APPENDICES

BIOLOGICAL ASSESSMENT
BRAC 2005 REALIGNMENT AND TRANSFORMATION ACTIONS – FORT BENNING, GA

April 2007

prepared for
Garrison, U.S. Army Infantry Center
Fort Benning, GA

prepared by
U.S. Army Corps of Engineers
Mobile District
P.O. Box 2288
Mobile, AL 36628

APPENDIX A

FORT BENNING TERRESTRIAL RESOURCES INVENTORY REPORT FOR THREATENED AND ENDANGERED SPECIES

Fort Benning Terrestrial Resources Inventory Report For Threatened and Endangered Species

Prepared by:

Jeffrey McDonald
Forest Service
Eatonton, Georgia
October, 2006

U.S. Department of Agriculture
Chattahoochee-Oconee National Forest
Gainesville, Georgia

Table of Contents

Page

Introduction…….…… **3**

Background…….. **4**

Survey Methods….……..…….... **5**

Identification of Targeted Species……..

Identification of Suitable Habitats

Survey Methods

Field Data Collection

Results…….. **18**

Discussion……..... **20**

Conclusion……..……. **23**

Literature Cited……..…… **26**

I. INTRODUCTION

The U.S. Forest Service (USFS) in an agreement with the U.S. Fish and Wildlife Service Conservation Branch (USFWSCB) conducted a Survey for Threatened and Endangered (T&E) Species and for Species of Management Concern (SMC). The survey was conducted on approximately 60,000 acres on the Ft Benning Military Reservation (Ft Benning) in the states of Georgia and Alabama. The surveys were conducted to evaluate the extent that expanding Ft Benning may have on the native flora and fauna. The surveys were also conducted to provide data to help managers assess restrictions/impacts of training activities in the proposed area. The survey areas were pre-determined by the USFWSCB based on areas that may be impacted by new construction and training activities associated with moving nearly 10,000 personnel to Fort Benning (further explained below).

The Defense Base Closure and Realignment (BRAC) Commissions were established by Public Law 101-510, the Defense Base Closure and Realignment Act of 1990 (BRAC Law), to recommend military installations for realignment and closure. The 2005 Commission's recommendations were included in a report which was presented to the President on September 8, 2005. The President approved and forwarded this report to Congress on September 16, 2005. Since a joint resolution to disapprove these recommendations did not occur within the statutorily provided time period, these

recommendations have become law and must be implemented in accordance with the requirements of the BRAC Law. (Davis 2005).

Fort Benning, Georgia. Fort Benning will receive the Armor Center and School from Fort Knox, Kentucky; 81st Regional Readiness Center from Fort Gillem, Georgia; and the U.S. Army Reserve Center from Columbus, Georgia (Davis 2005).

(1) Alternatives to be examined by the EIS may consist of alternative siting locations with Fort Benning for facility construction projects, new construction only, renovation and use of existing facilities, or a combination of both new construction and use of existing facilities, and usage of alternatives land locations within Fort Benning for training activities (Davis 2005).

(2) As a result of new construction and training activities associated with moving nearly 10,000 personnel to Fort Benning, the BRAC action has the potential to cause significant environmental impacts to threatened and endangered species such as the red-cockaded woodpecker, archeological sites, wetlands, soil erosion, and increased noise impacts to the surrounding public (Davis 2005)

II. BACKGROUND

Fort Benning is south of Columbus, Georgia on U.S. highway 27. It has an active duty population of 34,834. This includes both reserve components.

Fort Benning covers 73,533 hectares (181,626 acres) of land with 93 % in west central Georgia and the remaining 7 % in east central Alabama. Major portions of land lie in 3 counties: Muscogee and Chattahoochee counties Georgia and Russell County in Alabama. There are about 124 hectares of open water, including ponds, streams, and rivers. The Chattahoochee River divides Fort Benning between Georgia and Alabama (Pike 2005).

The natural and manmade features of Fort Benning reflect the quality and diversity of its military missions. Most of the reservation is undeveloped and is used for military training, weapons ranges, drop zones, and landing zones. Rolling, pine-covered hills are predominant, and grasslands are intermingled with forested areas (Pike 2005).

III. SURVEY METHODS

A. Identification of Targeted Species

The United States Fish and Wildlife Service Conservation Branch (USFWSCB) at Ft Benning provided the USFS with a list of species to be surveyed. The list included federally listed species identified by the United States Fish and Wildlife Service (USFWS). The list also included state listed threatened and endangered species identified by Georgia Department of Natural Resources (GDNR) and Alabama Department of Conservation and Natural Resources (ADCNR). Lastly, the list also included species of management concern identified by several state and federal agencies. ***This report will cover only the federally***

listed Threatened and Endangered species, the other species will be addressed in separate reports.

Table 1. Species List

Scientific Name	Common Name	Status Fed/GA/AL
Haliaeetus leucocephalus	Bald eagle	T/E/S
Mycteria americana	Wood stork	E/E/S
Picoides borealis	Red-cockaded woodpecker	E/E/S
Alligator mississippiensis	American alligator	T/-/-
Trillium reliquum	Relict trillium	E/E/S
Rhus michauxii	Michaux sumac	E/E/-

Legend:
- E- listed as an endangered species with a State or Federal agency
- R- listed as a rare species with a State agency
- S- listed as a species of concern with State agency
- T- listed as a threatened species with State or Federal agency
- SP- listed as a State protected species

Targeted species were categorized as:

Endangered: any species that is in danger of extinction throughout all or a significant portion of its range. (http://www.fws.gov/Endangered/esa.html)

Threatened: any species that is likely to become an endangered species within the foreseeable future throughout all or a significant portion of its range. (http://www.fws.gov/Endangered/esa.html)

Candidate: species for which the USFWS has on file enough substantial information on biological vulnerability and threat(s) to support proposals to list them as endangered or threatened. This category may include former and current candidate species.

Threatened and Endangered Species summary information

There are 96 species (four amphibians, eight birds, seven fishes, four mammals, four mussels, nine reptiles, and 60 plants) of conservation concern found on Fort Benning. There are six federally listed threatened and endangered terrestrial species that occur at Fort Benning. These include the Red-cockaded woodpecker (E), Wood stork (E), Bald eagle (T), American alligator (T [S/A], in which S/A = due to similar appearance), Relict trillium (E) and Michaux Sumac (E). Fort Benning has one of the largest Red-cockaded woodpecker populations in the southeastern United States, with 243 active manageable clusters and 28 known, active unmanageable clusters (U.S. Army, 2005)

B. Identification of Suitable Habitats

The United States Fish and Wildlife Service Conservation Branch (USFWSCB) at Ft Benning provided the USFS with areas to be surveyed. These areas were then assessed for suitable habitat for the species to be surveyed. Several data sources were used to assess suitable habitat including: Aerial photographs, Geographical Information Systems (GIS) data, Georgia Clearinghouse data and United States Geological Survey (USGS) map products. Suitable habitat was also determined by literature reviews, field experience, analysis of GIS coverages and correspondence with the Conservation Branch of Ft Benning.

Red-cockaded Woodpecker

Red-cockaded woodpeckers require open pine woodlands and savannahs with large old pines for nesting and roosting habitat (clusters). Large old pines are required as cavity trees because the cavities are excavated completely within inactive heartwood, so that the cavity interior remains free from resin that can entrap the birds. Also, old pines are preferred as cavity trees, because of the higher incidence of the heartwood decay that greatly facilitates cavity excavation. Cavity trees must be in open stands with little or no hardwood midstory and few or no overstory hardwoods. Hardwood encroachment resulting from fire suppression is a well-known cause of cluster abandonment. Red-cockaded woodpeckers also require abundant foraging habitat. Suitable foraging habitat consists of mature pines with an open canopy, low densities of small pines, little or no hardwood or pine midstory, few or no overstory hardwoods, and abundant native bunchgrass and forb groundcovers (http://www.fws.gov/rcwrecovery/finalrecoveryplan.pdf).

Survey sites for RCW were selected based on suitable foraging and nesting habitat. This included older pine dominated stands. Tree species composition was the criteria with some emphasis on age composition and stand densities and/or basal areas.

Bald Eagle

Breeding habitat most commonly includes areas close to (within 4km) coastal areas, bays, rivers, lakes, or other bodies of water that reflect the general availability of primary food sources including fish, waterfowl, and seabirds. The Bald eagle usually nests in tall trees or on cliffs near water. Nest trees include pines, spruce, firs, cottonwoods, oaks, populars, and beech. Identification of habitats for Bald eagle included areas within the

identified T&E Survey area (see associated shape files for T&E survey area) that had large open bodies of water with large mature trees within close proximity to those large lakes or rivers. The T&E survey area where these surveys occurred had a minimal amount of this habitat.

Wood Stork

Storks are birds of freshwater and estuarine wetlands, primarily nesting in cypress or mangrove swamps. They feed in freshwater marshes, narrow tidal creeks, or flooded tidal pools. Particularly attractive feeding sites are depressions in marshes or swamps where fish become concentrated during periods of falling water levels (Brooks, 2005). Identification of nesting habitats for Wood storks included areas within the identified T&E survey area (see associated shape files for T&E survey area) with freshwater wetlands, swamps or marshes.

Trillium

Relict trillium thrives best in mature, moist, undisturbed hardwood forests. Most sites are free from fire. The soils on which this plant occurs range from alluvial sands to rocky clays, but they all have a high organic content in their upper layer.

The survey area for Relict trillium was selected as a separate survey area from the RCW survey area. The trillium is found in hardwood forests. In the Coastal Plain, the Relict trillium is found often with boulders or ledges with soft limestone. In the Piedmont, it is found in deep loamy soils, in either rich ravines or adjacent alluvial terraces with numerous other spring-flowering herbs. Relict trillium habitats were selected based on tree species composition, soil types and proximity to stream corridors. Several indicators were used to

help determine suitable habitat, on the ground hardwood forest with an organic top layer were selected. Beech (Fagus grandiflora), Sycamore (Plantanus occidentalis), Red Maple (Acer rubrum), and Ash (Fraxinus pennsylvanica) were good indicators of were R. Trillium may occur. The occurrence of previous population were also used to identify habitat for this species.

Michaux Sumac

Found on the Piedmont Plateau in rocky, open woods, especially in soils high in magnesium, perhaps also on sandhills of the Inner Coastal Plain (http://georgiawildlife.dnr.state.ga.us/assets/documents/rhusmi.pdf). Apparently, this plant survives best in areas where some form of disturbance has provided an open area (http://www.fws.gov/Endangered/i/q/saq5t.html). Survey areas for Michaux sumac were identified using GIS layers including vegetative composition, stand age composition, soil types and geology. This allowed further definition of areas of higher probability for the occurrence of Michaux sumac within the T&E survey area. Habitat for this species within the T&E survey area was further defined by isolating forest tree species that grew on sandy soil types. This species also occurs with scrubby oaks with sparse ground cover in sandy soils. Habitat for this species was associated with upland pine habitats, scrub oaks habitat and pine hardwood habitats along with the tree species associated with sandy soil types.

American Alligator

The American alligator occurs in marshes, ponds, lakes, rivers, swamps, bayous, large spring runs. These areas were identified on the ground as possible alligator habitat within the T&E survey area (see associated shape files for T&E survey area).

C. Survey Methods

The survey method for the species mentioned above (see Table 1) varied by the species and habitat. Generally, survey methods included running parallel line transects through suitable habitat for a given species. The parallel line transects survey method was not feasible in some instances, based on landscape features or military facilities. When parallel line transects were not feasible, the survey team would run a sweep through suitable habitat using the aid of the Trimble XT or XH tracking feature. The tracking feature showed which areas were covered within the survey area.

Survey technique also involved visual observation of riverbanks, marshes, swamps, lakes and ponds. Observations of these habitats were done to locate any rookeries or nesting trees for species such as Woodstork or Bald eagle. These habitats were also observed for presence of alligator.

RCW

The Red-cockaded woodpecker (Picoides borealis) is a federally listed endangered species endemic to open, mature and old growth pine ecosystems in the southeastern

United States. Currently, there are an estimated 14,068 Red-cockaded woodpeckers living in 5,627 known active clusters across eleven states. This is less than 3 percent of estimated abundance at the time of European settlement. Red-cockaded woodpeckers were given federal protection with the passage of the Endangered Species Act in 1973. Despite this protection, all monitored populations (with one exception) declined in size throughout the 1970's and into the 1980's. In the 1990's, in response to intensive management based on a new understanding of population dynamics and new management tools, most populations were stabilized and many showed increases. Other populations remain in decline, and most have small population sizes. Our major challenge now is to bring about the widespread increases in population sizes necessary for recovery (U.S. Fish and Wildlife Service. 2003).

Terrestrial Surveys for RCW were conducted using parallel line transects. The width of the transects were determined based on the suitability of habitats and habitat features of the stand being surveyed. Proper spacing of transects varies with overstory density, midstory density and height, and terrain (http://www.fws.gov/rcwrecovery/finalrecoveryplan.pdf)

Potential nesting habitat was surveyed by running line transects through stands and visually inspecting all medium-sized and large pines for evidence of cavity excavation by Red-cockaded woodpeckers. Transects were spaced so that all trees are inspected. Necessary spacing varied with habitat structure and season (stand density) from a maximum of 91 m (100 yards) between transects in very open pine stands to 46 m (50yards) or less in areas with dense midstory (http://www.fws.gov/rcwrecovery/finalrecoveryplan.pdf)

When cavity trees were found, their location was recorded in the field using a GEOXH or GEOXT Trimble units. These units use a Global Positioning System (GPS) to

determine location. The activity status, cavity stage (start, advanced start, or complete cavity), and any entrance enlargement were assessed and recorded at this time into an associated data dictionary (http://www.fws.gov/rcwrecovery/finalrecoveryplan.pdf). Activity status of the cavity trees were determined by consensus of RCW experienced Biologist and Technicians. Any cavity trees or other evidence of Red-cockaded woodpecker activity is reported to the Fish and Wildlife Service, Conservation Branch at Ft Benning.

Relict Trillium

T. reliquum, a herbaceous member of the Lily family was not recognized as a distinct species until 1975 by Freeman. The general lifecycle is similar to that of most Trillium species and can be described as follows: The flowers appear in early spring and are greenish to brownish purple or occasionally pure yellow in color. The fruit is an oval-shaped, berry-like capsule which matures in early summer. T. reliquum is perennial from a tuberous rhizome, and like other members of the genus, it dies back to this rhizome after the fruit matures (Freeman 1975).

There is very little information on the reproductive biology of this species. The plant flowers from early March through the beginning of May. The peak flowering period is between late March and early April. In Alabama rove bettles (Staphylinidae) and a number of species of small flies of several families have been seen visiting Relict trillium (Folkerts, 1987). The reddish-brown color and fetid odor are typical of the sapromyophily syndrome in which pollination results from the visits of flies which oviposit in decaying organic material or fungi. The only reward which flower visitors can obtain is pollen, since the flowers produce no nectar. Visitors are most abundant in the flowers during the period of high

pollen availability.

The fruits of T. reliquum are not adapted for long distance dispersal and most likely fall a short distance from the parent plant. They could be washed downslope by water, or carried by small animals (insects), but have only remote chances of extrapopulation dispersal. However, this alone cannot explain its rarity, in that all of its more widespread relatives have virtually identical seed dispersal.

There are 21 known extant populations and one extirpated population. Alabama has four extant populations, Georgia has 14 extant populations and one extirpated population, and South Carolina has three populations (U.S. Dept. of the Interior, 1990).

Survey areas for Relict trillium were identified by the United States Fish and Wildlife Service Conservation Branch at Ft Benning (USFWSCB). These areas were surveyed running parallel line transects along stream banks, alluvial terraces and ravines in hardwood forest. The widths of the transects varied based on suitability of the habitat, density of the vegetation and terrain. Transects widths varied from approximately 20 feet in very suitable habitat to 50 feet in very marginal habitat. When parallel line transects were not feasible the survey areas were surveyed using the tracking feature of the GEOXH or GEOXT Trimble units. These units allowed surveyors to see areas that were covered and areas that had not been investigated for the presence of Relict trillium.

Michaux Sumac

Survey areas for Michaux sumac were identified using GIS layers including vegetative composition, stand age composition, soil types and geology (further explained in previous section). These areas were surveyed running parallel line transects primarily

through upland habitats with sandy soil types. These areas were on map coverages on Trimble units, which displayed the T&E survey area, your location within the area, and the areas of higher probability for the occurrence of Michaux sumac. The widths of the transects varied based on suitability of the habitat, density of the vegetation and terrain. When parallel line transects were not feasible the survey areas were surveyed using the tracking feature of the GEOXH or GEOXT Trimble units. These units allowed surveyors to see areas that were covered and areas that had not been investigated for the presence of Relict trillium.

Bald Eagle

Survey method used for Bald eagles and their associated nesting habitats were done by visual observation of large trees near large open bodies of water, within the T&E survey area. Bald eagle nesting population has continued to grow in Georgia, and there were 82 known occupied nests in 2005 when 61 successful nests fledged 94 young. The coastal region still has the greatest density of nesting eagles, but territories are now found throughout much of the state where there is sufficient open water habitat and large trees for nesting. Nesting has been observed on the Ft Benning military base, however nesting was not observed within the T@E survey area (see associated shape files for the T&E survey area).

Wood Stork

Survey method for Wood stork involved visual observation where habitat was suitable for the species, within the T&E survey area. The Wood stork is a highly colonial species usually nesting in large rookeries and feeding in flocks. Several of the species being surveyed for required transects through wetlands, including swamps, marshes, and stream

banks. Observations for wetland associated species including the Wood stork were done at this time. Spacing between transects varied based on landscape features. Generally transect spacing was determined by density of the vegetation, suitability of habitat, terrain and presence man-made obstacles. The T&E survey area had a limited amount of habitat suitable for Wood stork nesting.

American Alligator

Survey for alligator involved visual observation of larger swamps, marshes, ponds, lakes and rivers within the T&E survey area. Several of the species being surveyed for required transects through wetlands, observations for wetland associated species including the American alligator were done at this time. Lakes, ponds rivers and large streams were also observed for presence of alligator. Spacing between transects varied based on landscape features. Generally transect spacing was determined by density of the vegetation, suitability of habitat, terrain and presence man-made obstacles.

D. <u>Field Data Collection</u>

Data collection was done using Terrasync software on Trimble GeoXH or GeoXT models (Trimbles). Data was also stored in the separate data dictionaries for each of the T&E species. Trimbles had coverage area displayed on the screen along with your location on that coverage. The coverage area displayed the Ft Benning Military Base, the T&E coverage area and the coverage area for the species being surveyed for. In some instances,

the coverage area for the species being surveyed for was the entire T&E survey area. The spatial data is displayed on a shape file and point coverage associated with this document.

Data was taken at each RCW tree with a start hole or cavity. Trees with double white-bands were not taken per discussion with USFWSCB. The double white-banded trees were already catalogued by the USFWSCB. Besides the location of the RCW tree, data was also taken on tree height, tree species, the diameter of the tree and the basal area of the stand surrounding the tree or trees.

Data was gathered for Relict trillium in two separate ways. If an individual plant was discovered then data was gathered on GEOXH or GEOXT Trimble (Trimbles) just for that plant location. If plants were part of a larger population then a perimeter around the population was tracked using Trimble units. The perimeter was developed using the extent of the trillium population and the landscape features to develop a sufficient buffer to protect the plants from base expansion activities that would directly destroy plants. The FWS Conservation Branch may decide to increase this buffer further protecting this species. The Michaux sumac was not found within the T&E survey area however, data collection would be as decribed above for R. trillium.

Data collection for the American alligator was taken at the perimeter of the pond where the species were found. If other indices were seen they would be captured in the associated data dictionary for the alligator.

Bald eagle and Wood stork data collection would involve taking GPS location data at individual nesting sites. If rookeries were located where Wood storks were present, then a perimeter around the rookery would be recorded on Trimble units. This species was not found within the T&E survey area (see Results below).

IV. RESULTS

The USFWS Conservation Branch located at Ft Benning identified six terrestrial species that were federally listed as Threatened or Endangered (Threatened or Endangered freshwater mussel are addressed in a separate report). These species occurred on or near the Ft Benning Military Base. The species included the Red-cockaded Woodpecker (*Picoides borealis*), Woodstork *(Mycteria americana)* , Bald Eagle *(Haliaeetus leucocephalus)* American alligator *(Alligator mississippiensis)*, Relict Trillium *(Trillium reliquum)* and Michaux Sumac (*Rhus michauxii*), (USFWSCB, 2005).

It is important to note that surveys were only done within the T&E survey area. The T&E survey area is identified as those areas possibly impacted by the activities proposed at Ft Benning. The T&E survey area is defined with the associated shape files for this project.

The surveys for terrestrial T&E species with the exception of the RCW included sightings of the actual species. The Surveys for RCW were for locations of cavity trees or start holes, even if the species was not present. Survey results revealed 99 additional RCW start or cavity trees. Additional refers to RCW trees with cavities or start holes that were not already double white-banded from previous surveys. Ten populations of Relict trillium were confirmed and two isolated individual plants were found, these populations were found during previous surveys although number of plants and distribution within the population has changed. Two American alligators were located in Averetts pond. Survey results found no populations of Michaux sumac, Bald eagle, or Wood stork.

The observation of RCW cavities and start holes were generally seen in open mature pine stands with a low to moderate basal area. The plant understory density within the RCW survey area was generally low to moderate. The habitats were typically older pine stands with low to moderate Basal area (40-80). There were exceptions to the habitat in which RCW cavity and start holes were found. Some RCW start and cavity holes where found in dense stands, with a significant amount of hardwood encroachment. However as expected the presence of RCW in association with the cavity or start hole were typically seen when habitat were in good condition for RCW as described above.

Surveys for Relict trillium identified ten populations of the plant and two locations were individual plants were found. Several of the populations were already documented with associated spatial data. The R. Trillium was typically found along stream banks or on alluvial terraces and ravines in hardwood forest. The habitats for R. Trillium seem to be receiving a significant level of disturbance from hog rooting and from encroaching understory. There were healthy plants even within areas were there was heavy evidence of feral hogs.

Michaux sumac was not found in the T&E survey area. Upland habitats were surveyed, particularly those with sandy soils. Upland scrub oak and upland pine stands and woodlands with sparse understory were surveyed for the presence of Michaux sumac. Other species of sumac were present in many of the stand however, Michaux sumac was not found within the T&E survey area.

Two alligators were seen at the Averetts pond. The alligators were both less than six feet long. Surveys were not done specifically for alligators because of minimal habitat

within the T&E survey area, however swamps, marshes, large ponds, rivers, and lakes within the survey area were all observed for alligators or indices of alligators.

Bald eagles were not identified within the T&E survey area. Observations were made for Bald eagle nesting sites along large ponds lakes and rivers. Observations were also made for presence of the Bald eagles within these same habitats. There was a minimal amount of habitat within the T&E survey area for this species. There were some areas with open water with large trees for nesting. These areas were observed within the T&E survey area. These areas did not host the Bald eagle.

Wood storks were not identified within the T&E survey area. Observations were made for Wood stork nesting sites within wetlands, including swamps, marshes, and stream banks. Observations were also made for presence of the Wood storks within these same habitats. There was a minimal amount of habitat within the T&E survey area for this species. There were some wetlands within the T&E survey area that were observed for presence on Wood storks. Wood storks were not observed within the T&E survey area.

V. Discussion

The Threatened and Endangered species survey was conducted at Ft Benning to assess any impacts that base expansion may have on T&E species within the identified survey area. Threatened and Endangered freshwater mussels were part of the survey, results for these species are provided in a separate report. Species with special management

concerns were also part of the surveys performed, results for those species are also provided in a separate report.

The results of the Threatened and Endangered species surveys were 99 additional RCW cavities or start holes, 10 populations of Relict trillium, including two individual plant locations and two alligators located in one location. Michaux sumac, Bald Eagle and Wood stork were not found within the T&E survey area.

Red-cockaded woodpecker habitat is evident throughout the T@E Survey area. The RCW start and cavity holes are typically were you would expect them in regards to the natural history of the species. Open mature pine stand with a sparse understory is where the vast majority of the start and cavity holes occurred. The presence of birds engaged in nesting activities was also evident within these open mature pine stands. There were some start and cavity holes in locations were the understory had encroached, and the stand density was greater than typically host the RCW. The vast majority of these areas as expected did not have RCW present.

Relict trillium surveys were performed within a separate survey area developed by USFWSCB. The area was developed using several GIS coverages including, soil types, and tree species composition. The area was also developed using locations of previously found populations of Relict trillium. R. trillium was generally found adjacent to creeks or riverbanks in mesic soils. R. trillium was found between the transition zones of hardwoods with deep loamy soils to mesic hardwood sites with alluvial soils. Both sites had an apparent upper organic layer present. There were some plants found in wetter conditions, however this was infrequent. R. Trillium was growing with a suite of associated tree species that grow

in like habitat types, including Beech (Fagus grandiflora), Sycamore (Plantanus occidentalis), Red Maple (Acer rubrum), and Ash (Fraxinus pennsylvanica).

Michaux sumac was not found within the T&E survey area. There was habitat throughout the survey area for this species. There were also associated sumac species present within the T&E survey area including Smooth sumac (*Rhus Copallina*) and Dwarf sumac (*Rhus glabra*). Perhaps the most crucial factor endangering this species is its low reproductive capacity. Only two of the plant's 16 remaining populations have both male and female plants. The apparent low genetic variability of the species, caused by geographic isolation, complicates this situation (FWS 1989).

The American alligator was found in one location within the T@E survey area. Both alligators were found in a medium sized fishing pond (Averetts pond). Both alligators were less than 6 feet long. Several other ponds, lakes, rivers, marshes, and swamps within the T&E survey area were observed for presence of alligators however, they were not present. Both alligators seen surfaced with our presence, possibly because of food being offered to them by recreationist. The habitat directly adjacent to the pond was shrubby with a few scattered mature trees. The area outside the pond was a pine hardwood stand with moderate density. No other obvious indices of alligators were present around the pound.

The Bald eagle was not seen within the T&E survey area. The Bald Eagle has been located foraging and nesting at Ft Benning, however it was not found within the T&E survey area. The Bald eagle prefers large trees near open water for nesting and foraging. The survey team made visual observation of open water sites within the T&E survey area for any indications of Bald eagle nests, or the presence of the bird in those areas. The habitat for the

eagle was minimal within the survey area. There were no seen indications of Bald eagle nesting sites within the T@E survey area.

Wood stork do forage of the Ft Benning Military Base, however within the T&E survey area the habitat for Wood storks was minimal. The Wood stork prefers to nest in large cypress trees in wetlands, swamps or marshes along streams and riverbanks. The survey crew observed wetlands, swamps, marshes, stream banks, and riverbanks for presence of Wood storks. There were no seen indications of Wood stork nesting sites within the T@E survey area.

VI. CONCLUSION

The Ft Benning Military Base is the host of a great diversity of aquatic and terrestrial species. The diversity of habitats was very evident during the T&E surveys. The transition between upland and bottomland tree species, soil moisture gradients from mesic to xeric and soil transition from sandy loams to rich organics was often times very apparent. The habitat transitions and the associated species transitions were typically what was expected based on the natural history of the species being surveyed. RCW occurred were RCW should occur and Relict trillium occurred were R.trillium should occur. Michaux sumac was not present however habitat for the species occurred throughout the survey area. Other factors effecting Michaux sumac as described above, is apparently why this species was not located. The Wood stork and Bald eagle were not found primarily because of the lack of suitable habitat within the T&E survey area. There was also a small amount habitat for the American alligator, this species was located in one pond within the T&E survey area.

The USFS conducted the T&E survey on the Ft Benning Military facility to assess the impacts that range expansion may have on T&E species. The data collected should help decision makers at Ft Benning avoid negative impacts and enhance or maintain habitat for the T&E species hosted at Ft Benning.

Literature Cited

Addison D. Davis IV, 2005. http://a257.g.akamaitech.net/7/257/2422/01jan20051800/edocket.access.gpo.gov/2005/05-23162.htm

Alsop III. F.J. 2001. Birds of North America Eastern Region. DK Publishing, New York, New York 751 pp.

Bent, A.C. and Zimmerman W. 1992. Life History of North American Woodpeckers. Indiana University Press, Bloomington and Indianapolis. 262 pp.

Bill Brooks U.S. Fish and Wildlife Service, 2005. http://www.fws.gov/northflorida/Species-Accounts/PDFVersions/Wood-stork-2005.pdf

Bird Conservation Georgia Partners in Flight, 2003. http://georgiawildlife.dnr.state.ga.us/content/printversion.asp?txtDocument=80

Conant, R., and J. T. Collins. 1991. A Field Guide to Reptiles and Amphibians, Eastern and Central North America. Houghton Mifflin Company. New York, N. Y.

Conner, R.N., Rudolph D.C. and Walters, J.R. 2001. The Red-cockaded Woodpecker: Surviving in a Fire-maintained Ecosystem, University of Texas Press, Austin, Texas. 363 pp.

Department of the Interior. U.S. Fish and Wildlife Service. "Endangered and Threatened Wildlife and Plants: Determination of Endangered Status for *Rhus michauxii*". *Federal Register* Vol. 54, No. 187. September 28, 1989. Pp. 39853-39857.

Ehrlich, P. R., D. S. Dobkin and D. Wheye. 1988. The Birder=s Handbook. Simon and Schuster, New York.

Peterson, R. 1980. A Field Guide to the Birds. Fourth Edition. Houghton-Mifflin Co., Boston. 384 pp.

Pike, John, Global Security.Org, 2005. http://www.globalsecurity.org/military military /facility/fort-benning.htm

Radford, A.E., Ahles, H.E. and Bell, C.R. 1968. Manual of the Vascular Flora of the Carolinas. The University of North Carolina Press. Chapel Hill, NC1183 pp.

Stokes D. and Stokes L. 1996 Field Guide to Birds: Eastern Region. Little, Brown and Company New York. 471 pp.

US Army, Ft Benning, Ft Benning Boot Print, 2005.
http://www.envquest.com/Documents/fortbenning-baselines/bootprint.pdf

U.S. Department of Agriculture Forest Service. 1991. Agriculture Handbook 688, Forest Rangeland Birds of the United States Natural History and Habitat Use. U.S. Department of Agriculture Forest Service, Washington, D.C. 625 pp.

U.S. Fish and Wildlife Conservation Branch, 2005. SOW to Conduct Natural Resources PLS's-TES for BRAC.

U.S. Fish and Wildlife Service. 2003. Recovery plan for the red-cockaded woodpecker (*Picoides borealis*): second revision. U.S. Fish and Wildlife Service, Atlanta, GA. 296 pp.

U.S. Fish and Wildlife Service Division Of Endangered Species, Species Accounts, 1996.
http://www.fws.gov/endangered/i/b/sab5z.html

U.S. Fish and Wildlife Service Division Of Endangered Species, Species Accounts, 1991.
http://www.fws.gov/endangered/i/q/saq4r.html, 1991

United States Fish and Wildlife Service, 2003.
http://www.fws.gov/rcwrecovery/recovery_plan.htm

Wilson, L. A. 1995. Land Managers Guide to the Amphibians and Reptiles of the South. The Nature Conservancy, Southeastern Region. Chapel Hill, North Carolina, USA 360 pp.

APPENDIX B

MUSSEL SURVEY REPORT

FRESHWATER MUSSEL SURVEY ON 27 PRE-DETERMINED STREAM LOCATIONS, FORT BENNING, GEORGIA MAY-JUNE, 2006

Prepared by:

Sandy Abbott
Georgia Ecological Services
Ft. Benning, Georgia
June 2006

U.S. Fish and Wildlife Service
Southeast Region
Atlanta, Georgia

Table of Contents

	Page
Introduction	1
Background	1
Survey Methods	2
Results	3
Species Accounts	3
Discussion	5
Conclusion	6
Literature Cited	9

List of Tables

Number **Page**

1. GPS Coordinates and Map of Each Stream Location to be Surveyed..... 11

2. Site, Stream, Native, Non-Native, and Federally-Listed Species Occurrence..... 12

Introduction

The U.S. Fish and Wildlife Service (Service) was contracted by the U.S. Forest Service (USFS) to conduct freshwater mussel surveys in 27 pre-determined stream locations (Table 1) on the U.S. Army, Fort Benning Military Reservation (Fort Benning), Georgia. The pre-determined stream locations are future road crossing or existing road crossings that are planned to be modified in the near future.

The first recorded freshwater mussel survey was conducted on Fort Benning in 1997. No federally-listed freshwater mussel species were found during that survey. However, due to the constant changing dynamics of aquatic systems, the Service considers the results of a mussel survey to be valid for only two years. Therefore, the 1997 survey was considered invalid and a new survey was needed. Historical surveys show Fort Benning lies within the native range of approximately 18 species of freshwater mussels that could occur on Fort Benning. Four of these species are listed as federally-endangered and one is listed as federally-threatened. The species are the federally-endangered fat threeridge (*Amblema neislerii*), shinyrayed pocketbook (*Hamiota subangulata*), Gulf moccasinshell (*Medionidus penicillatus*), oval pigtoe (*Pleurobema pyriforme*) and the federally-threatened purple bankclimber (*Elliptoideus sloatianus*). This report contains the results of freshwater mussel surveys at the 27 pre-determined stream locations on Fort Benning.

Background

North America's freshwater mussel fauna is the richest in the world and historically probably numbered over 300 species (Stansbery 1971, Brim Box and

Williams 2000). Within North America, the southeastern United States has more freshwater species than any other region, about 80 percent of the fauna (Burch 1973, Brim Box and Williams 2000). Historically, over 50 species of unionids were reported from the Chattahoochee River system, with most species described from a single locality, the Chattahoochee River shoals near Columbus, Georgia (Brim Box and Williams 2000). By 1956, however, the Chattahoochee River was noted as being nearly barren of freshwater mussels (Clench and Turner 1956). At that time, the greatest source of freshwater mussel decline in the Chattahoochee was land erosion and the consequent silting of the river (Clench and Turner 1956). Other factors implicated in the demise of populations in the region include impoundments, channelization, floodplain gravel and sand mining, pollution by sewage, mine and industrial wastes, power dam development, unrestricted gathering for pearl button industry, and lack of riparian buffer protection (Federal Register 1994, Butler 1993, van der Schalie 1938).

Survey Methods

Freshwater mussel surveys were conducted in May and June of 2006 by Sandy Abbott of the U.S. Fish and Wildlife Service and Carson Stringfellow, Lisa Preister, and Dr. Jeff Zuiderveen of Columbus State University. Sites were surveyed following the Service's Freshwater Mussel Survey Protocol for the Southeastern Atlantic Slope and Northeastern Gulf Drainages in Florida and Georgia (Carlson *et. al* July 2005, in draft). Maps and GPS coordinates of survey sites were provided to the Service by Fort Benning's Conservation Branch.

Survey techniques included tactile and visual searches. Surveys were conducted during clear, low level water conditions to increase the probability of detecting mussel species present in the area. The presence and number of all native freshwater mussels encountered was recorded for each site. All live specimens were placed back into the stream with the exception of one live *Elliptio complanata* from Dozier Creek. This specimen is being used for on-going genetic work with the Elliptio genus.

Results

Only two native freshwater mussel species, *Elliptio complanata* and *Villosa lienosa*, were found during this survey, and mussels were only found in Dozier and Cox Creeks. *Corbicula fluminea* (Asian clam), an exotic species, was encountered at eight of the 27 sites surveyed (Table 2). No federally-listed mussel species were encountered during this survey.

Species Account

The following are descriptions of all freshwater mussels collected during this survey.

Corbicula fluminea (Asian clam) (Muller, 1974)

Corbicula fluminea is an introduced bivalve. It is common in most streams on Fort Benning even though is was absent at 19 of the 27 sites sampled during this survey. It was encountered in almost every type of substrate except for very soft mud and highly acidic water. *C. fluminea* has a shell that is rounded to slightly triangular and inflated.

Anterior and posterior margins are rounded. Umbos are high, centrally-located, and elevated above the hinge line. The periostracum is yellowish-brown to black with numberous concentric rows of elevated lines convering the surface of the shell. Young shells have a purple stripe on the umbo.

Elliptio complanata (Eastern elliptio) (Lightfoot, 1786)

Elliptio complanata is on the most common native mollusks found in the small streams and creeks of the eastern Gulf of Mexico drainages. Excluding polluted and silted environments, they can live in environments which are impossible for many other genera. The result is that local populations may show marked differences in size, color, thickness, and shape of shell, as a direct result of their environments. The specimens collected in this survey were found in different types of habitat including sandy-mud, clay, and sand. This species was found in Cox and Dozier Creeks, with 39 live-collected in Dozier Creek and five live-collected in Cox Creek. The 1997 mussel survey shows no mussels were found in Dozier Creek. This find should be recorded as a new mussel occurrence record for reference in future mussel surveys.

Villosa lienosa (little spectaclecase) (Conrad, 1834)

Villosa lienosa is widely distributed in the Apalachicola, Flint, and Chattahoochee river basins, particularly in smaller rivers and creeks. This species prefers sandy-mud substrates rich in plant detritus. Sexual dimorphism is well defined in this species. Females are inflated with the posterior margin subangulate dorsally and truncate below. Males are less inflated, and are regularly and narrowly rounded posteriorly. Cox Creek

was the only site where this species was found and only three live specimens were collected.

Discussion

Prior to the 1997 mussel survey, there were no known historical records of freshwater mussel surveys conducted on Fort Benning. The 1997 mussel survey resulted in the findings of eight native freshwater mussel species and one exotic mussel species. These included the Apalachicola floater (*Anodonta heardi*), eastern elliptio (*Elliptio complanata*), variable spike (*Elliptio icterina*), giant floater (*Pyganodon grandis*), paper pondshell (*Utterbackia imbecillis*), Florida floater (*Utterbackia peggyae*), little spectaclecase (*Villosa lienosa*), southern rainbow (*Villosa vibex*), and the exotic Asian clam (*Corbicula fluminea*). The 1997 survey selected sample sites based on habitat characterstics where the chance of encountering freshwater mussel species was greatest. This included sample sites in 10 streams, the Chattahoochee River, and Victory Pond and covered much more area than the 2006 survey. Mussel species found during the 1997 survey were recorded from Uchee, Cox, Shell, and Oswichee creeks, as well as the Chattahoochee River. Cox Creek was the only creek out of this group to be surveyed in 2006.

The 2006 survey sampled 27 sites in 11 different streams where road crossings exist or are planned to be constructed in the near future. Existing road crossing structures include bridges, culverts, and ford crossings. The types of structures that will be constructed for future road crossings have yet to be determined.

The one surprising find was in Dozier Creek where no mussels were found during the 1997 survey. As the field crew entered Dozier Creek, it was noted that the creek appeared to contain unsuitable habitat (unstable substrates). Upon further investigation, pockets of stable, sandy-clay substrate were discovered and searched in several locations in Dozier Creek. It is within these pockets of suitable habitat that the *Elliptio complanata* were found.

All streams sampled during this survey (with the exception of Pine Knot and Little Pine Knot Creeks) contain excess amounts of unstable, shifting sandy substrate. Where substrates are unstable, conditions are generally poor for mussel habitation (USFWS 2003). Specific biological impacts on mussels from excessive sediments include reduced feeding and respiratory efficiency from clogged gills, disrupted metabolic processes, reduced growth rates, increased substrata instability, limited burrowing activity, and physical smothering (Waters 1995). Streams sampled during this survey appeared to have little to no suitable mussel habitat due to the excessive sediment loads.

Conclusion

The absence of freshwater mussels can logically be an indication of environmental disruption only when and where their former presence can be demonstrated (Fuller 1974, Stringfellow 1997). Even though most streams on Fort Benning do not harbor native freshwater mussels, it is highly likely they once did. Historical records show the vast mussel diversity that once occurred here in the Columbus area within the Chattahoochee River. Past and present land practices (e.g.

agriculture, forestry, impoundments, inadequate erosion control measures, etc.) have heavily impacted the Chattahoochee River and its tributaries.

Only three tributaries in the Chattahoochee River basin are known to currently harbor federally-listed freshwater mussel species: Uchee Creek, Russel County, Alabama, Sawhatchee and Kirkland's creeks both in Early County, Georgia. A single purple bankclimber was discovered in 2000 and again in 2001 in the Chattahoochee River below Goat Rock Dam, Harris County, Georgia, and Lee County, Alabama. The Chattahoochee River still contains native freshwater mussel species, although not in the diversity and abundance historical records indicate.

There are some measures Fort Benning can take during construction of new road crossings or modification of existing structures to prevent further degradation of streams on Fort Benning. When culverts are installed, they should be sized and placed to allow natural accumulation of substrate and ensure connectivity for aquatic species between upstream and downstream reaches. The local channel slope, width and elevation will be affected by any existing culvert if the culvert is either perched or undersized. The bottom of the culvert should be placed below the natural channel thalweg elevation a minimum of 20 percent of the culvert diameter or 20 percent of the vertical rise depending upon the shape of the culvert. This measure will reduce the risk of the bed scouring from within the culvert and of future passage barriers caused by the downstream channel degrading.

The Service recommends no new pilings be placed in the creek and as few pilings as possible be placed in the floodplain for new bridges constructed or existing bridges that are planned to be modified. Pilings placed within the creek and floodplain can restrict water movement, especially during high flow events. If fill is placed in the

floodplain during bridge construction, culverts should be installed to allow connectivity of water flow within the floodplain during high flow events and as a passage for wildlife.

Fords are used throughout Fort Benning as stream crossings for vehicles, including military tanks. Fords are usually the least expensive stream crossing to construct but often have greater impacts on water quality than do other stream crossings. They also provide more opportunity for sediment-laden runoff to flow down road approaches and into the stream (Taylor et. al 1999). Approaches can be stabilized using an appropriate type of geotextile material covered with clean rock. In areas of high vehicular traffic, where ford stream crossings occur, properly installed culverts or bridges should be considered to reduce stream impacts on Fort Benning.

This report fulfills the interagency agreement between the Service and USFS.

Literature Cited

Brim Box, J., and J.D. Williams. 2000. Unionid mollusks of the Apalachicola Basin in Alabama, Florida, and Georgia. Bulletin of the Alabama Museum of Natural History No. 22. 143 pp.

Burch, J.B. 1973. Freshwater unionacean clams (Mollusca:Pelecypoda) of North America. Biota of Freshwater Ecosystems Identification Manual No. 11. U.S. Enviornmental Protection Agency, Washington, D.C.

Butler, R.S. 1993. Results of a status survey for eight freshwater mussels (Bibalvia: Unionidae) endemic to eastern gulf drainages of the Apalachicola region of southeast Alabama, southwest Georgia, and north Florida. Unpublished report U.S. Fish and Wildlife Service.

Carlson, Stacey, Alice Lawrence, Holly Blalock-Herod, Katie McCafferty, and Sandy Abbott. 2005. Freshwater Mussel Survey Protocol for the Southeastern Atlantic Slope and Northeastern Gulf Drainages in Florida and Georgia. U.S. Fish and Wildlife Service and Georgia Department of Transportation. July 2005, in draft. 41p.

Clench, W.J., and R.D. Turner. 1956. Freshwater Mollusks of Alabama, Georgia and Florida, from the Escambian to the Suwanee River. Bull. Florida St. Mus. Of Biological Sci. 1(3): 97-239.

Federal Register. 1994. Endangered and Threatened Wildlife and Plants; Proposed Endangered Status for Five Freshwater Mussels and Proposed Threatened Status for Two Freshwater Mussels from Eastern Gulf Slope Drainages of Alabama, Florida, and Georgia; 59(148).

Fuller, S.L.H. 1974. Clams and mussels (Mollusca: Bivalvia). Pages 215-273 *in*: C.W. Hart and S.L.H. Fuller, eds. Pollution ecology of freshwater invertebrates. Academic Press, New York.

Stansbery, D.H., and C.B. Stein. 1971. Stream channelization and the preservation of biological variability: why naiades (pearly freshwater mussels) should be preserved. Stream channelization (Part 4). Hearing before a subcommittee of the Committee on Government Operations, House of Representatives, 92nd Congress, 1st session, June 14, 1971:2177-2179.

Stringfellow, C. 1997. A Descriptive Survey of Freshwater Unionidae Bivalves in Five Creeks Located in West Central Georgia. Thesis. Columbus State University. 56 p.

Taylor, S.E., R.B. Rummer, K.H. Yoo, R.A. Welch, and J.D. Thompson. 1999. What We Know-and Don't Know-about Water Quality at Stream Crossings. Journal of Forestry: Vol. 97(8): 12-17.

U.S. Fish and Wildlife Service. 2003. Recovery Plan for Endangered Fat Threeridge (Amblema neislerii), Shinyrayed Pocketbook (Hamiota subangulata), Gulf Moccasinshell (Medionidus penicillatus), Ochlockonee Moccasinshell (Medionidus simpsonianus), and Oval Pigtoe (Pleurobema pyriforme); and Threatened Chipola Slabshell (Elliptio chipolaensis), and Purple Bankclimber (Elliptoideus sloatianus). Altanta, Georgia. 142 pp.

van der Schalie, H. 1938. Contributing factors in the depletion of naiades in eastern United States. Basteria 3(4):51-57.

Waters, T.F. 1995. Sediment in streams: sources, biological effects, and control. American Fisheries Society Monograph 7. 251 pp.

Table 1. GPS Coordinates and Map of Each Stream Location to be Surveyed.

BRAC Mussel Survey Road Crossing

Crossing	X	Y
01	708904.881	3603219.75
02	705891.759	3602423.89
03	705566.916	3602172.13
04	713444.366	3602659.40
05	713562.424	3602651.28
06	714800.586	3602342.68
07	716384.197	3601717.35
08	716319.229	3600296.16
09	718861.127	3600125.82
10	720599.039	3600141.86
11	719989.958	3591322.37
12	720079.289	3590022.99
13	719965.594	3590112.33
14	719210.334	3586717.71
15	716010.627	3586352.27
16	708679.360	3599468.80
17	707735.066	3597163.61
18	707526.765	3596858.26
19	706499.151	3596788.83
20	705943.884	3596497.05
21	705429.877	3597094.18
22	706207.531	3594844.54
23	711871.162	3583770.23
24	702761.293	3585660.16
25	702952.409	3586127.33
26	705033.451	3588293.31
27	706604.851	3589588.66

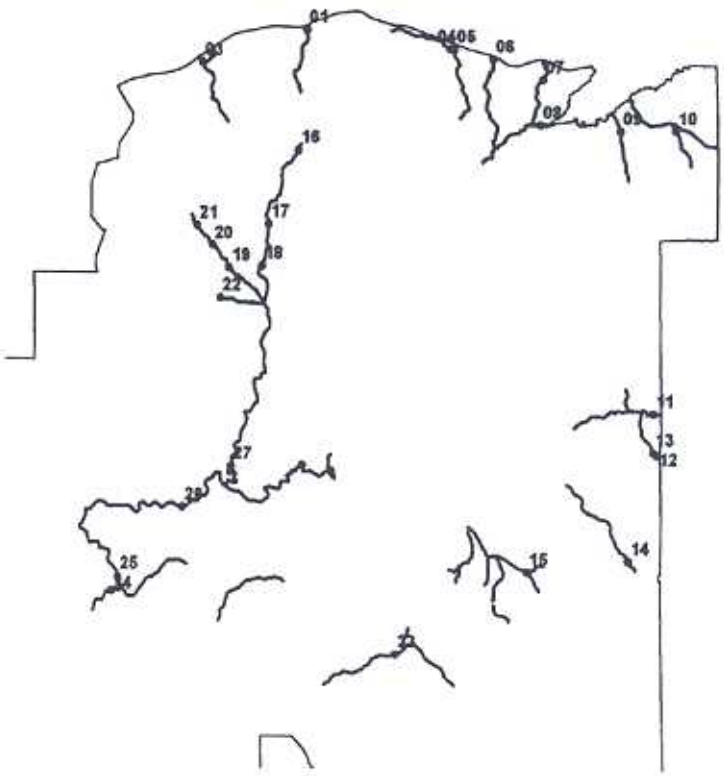

Table 2. Site, Stream, Native, Non-Native, and Federally-Listed Species Occurrence

SITE NUMBER	STREAM	NATIVE MUSSELS PRESENT	NON-NATIVE MUSSELS PRESENT	FEDERALLY LISTED SPECIES PRESENT
1	Randall Creek	No	Yes	No
2	Dozier Creek tributary	No	No	No
3	Dozier Creek	Yes	No	No
4	Cox Creek tributary	No	No	No
5	Cox Creek	Yes	Yes	No
6	Kendall Creek	No	Yes	No
7	Tar River	No	Yes	No
8	Upatoi Creek	No	Yes	No
9	Upatoi Creek tributary	No	No	No
10	Upatoi Creek tributary	No	No	No
11	Pine Knot Creek	No	No	No
12	Pine Knot Creek tributary	No	No	No
13	Pine Knot Creek tributary	No	No	No
14	Little Pine Knot Creek	No	No	No
15	Sally Branch	No	No	No
16	Randall Creek	No	Yes	No
17	Randall Creek	No	Yes	No
18	Randall Creek	No	Yes	No
19	Randall Creek tributary	No	No	No
20	Randall Creek tributary	No	No	No
21	Randall Creek tributary	No	No	No
22	Randall Creek tributary	No	No	No
23	Halloca Creek	No	No	No
24	Ochillee Creek tributary	No	No	No

SITE NUMBER	STREAM	NATIVE MUSSELS PRESENT	NON-NATIVE MUSSELS PRESENT	FEDERALLY LISTED SPECIES PRESENT
25	Ochillee Creek	No	No	No
26	Upatoi Creek	No	Yes	No
27	Randall Creek	No	No	No

APPENDIX C

CAVITY TREE DATA PER IMPACTED CLUSTERS

Appendix C. Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
A06-01	1022	INA	1	…	B
	1023	INA	1	…	
	2951	INA	1	…	
	2954	INA	1	…	
	2955	INA	1	…	
	4831	ACT	1	2006	
	5510	INA	2	…	
	3626A	INA	4	…	
	3627A	ACT	4	2006	
	3756A	ACT	4	…	
	3757A	INA	4	…	
A07-01	4880	ACT	1	2006	B
	5000	INA	1	…	
	2521	INA	1	…	
	3479A	INA	4	…	
	3480A	INA	4	…	
	3481A	INA	4	…	
	3482A	ACT	4	…	
A08-01	0290	INA	1	…	B
	0565	INA	1	…	
	0566	ACT	1	…	
	0567	INA	1	…	
	1224	INA	1	…	
	1644	INA	2	…	
	1645	ACT	1	200 - 2006	
	1841	INA	1	…	
	1842	INA	2	…	
	2164	INA	1	…	
	2498	INA	2	…	
	3950	ACT	1	…	
	4710	ACT	1	…	
A08-02a	1046	INA	1	…	B
	2444	ACT	1	…	
	3494	ACT	1	…	
	3988	ACT	2	…	
	4531	ACT	2	…	
	4532	ACT	1	2004 - 2006	
	4783	ACT	1	…	
	4784	ACT	1	…	
	4785	ACT	1	…	
	5070	ACT	2	…	

Activity Status

ACT	Active
INA	Inactive

Stage

1	Natural Cavity	3	Drilled Cavity	5	Drilled Start
2	Natural Start	4	Insert Cavity	N/A	Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
A09-03R	1532	INA	2	…	B
	1541	INA	1	…	
	4197	INA	1	…	
	4456	INA	2	…	
	4810	INA	1	…	
	4821	INA	2	…	
	4854	ACT	1	2006	
	4858	INA	2	…	
	4859	INA	2	…	
	4883	INA	1	…	
	4456	INA	2	…	
	2554A	INA	4	…	
	2563A	ACT	4	…	
	2564A	ACT	4	…	
A09-05	4855	INA	2	…	B
	4856	ACT	1	…	
	4857	ACT	1	2005 - 2006	
	5269	ACT	1	…	
	5267A	ACT	4	…	
	5268A	ACT	4	…	
A15-03	0833	ACT	1	…	A and B
	2399	ACT	1	2006	
	4108	ACT	1	…	
	4468	ACT	2	…	
	4707	INA	2	…	
	5532	ACT	1	…	
	3841A	ACT	4	…	
	3842A	ACT	4	…	
	4466A	INA	4	…	
	4467A	ACT	4	…	
A17-01	5618	ACT	1	…	A and B
	5619	ACT	1	…	
	5617A	INA	4	…	
	5616A	INA	4	…	
A17-02	0932	INA	1	…	A and B
	2452	ACT	1	…	
	3563	ACT	1	2006	
	4329	ACT	1	…	
	4846	ACT	1	…	
	4751A	ACT	4	…	
	4752A	INA	4	…	

Activity Status

ACT	Active
INA	Inactive

Stage

1	Natural Cavity	3	Drilled Cavity	5	Drilled Start
2	Natural Start	4	Insert Cavity	N/A	Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
A17-03	1247	INA	1	…	A and B
	1694	ACT	1	…	
	2192	INA	1	…	
	4243	ACT	1	…	
	4511	ACT	1	…	
	4716	INA	1		
	4853	ACT	1	2005 - 2006	
	5071	INA	2	…	
	5072	ACT	2	…	
	5389	INA	2	…	
	5390	INA	2	…	
A17-04	865	INA	N/A	…	A and B
	2429	INA	1	…	
	2468	ACT	1	…	
	2801	INA	1	…	
	4134	ACT	1	…	
	4196	ACT	1	…	
	4310	ACT	1	2005 - 2006	
	4311	ACT	2	…	
	4327	ACT	2	…	
	4328	ACT	2	…	
	5599	ACT	…	…	
A17-05	0921	INA	1	…	A and B
	0922	ACT	1	…	
	2768	INA	1	…	
	2948	ACT	1	…	
	2963	ACT	1	…	
	2964	ACT	1	…	
	3251	INA	1	…	
	3709	ACT	1	2003 - 2006	
	4365	ACT	1	…	
A17-07	2030	INA	1	…	A and B
	3686	INA	1	…	
	4330	ACT	1	…	
	4364	ACT	2	…	
	4726	ACT	1	…	
	4727	ACT	1	…	
	4728	ACT	2	…	
	4729	ACT	1	…	
	5169	ACT	1	…	
	5560	ACT	1	2006	
	4721	INA	1	…	

Activity Status

ACT	Active
INA	Inactive

Stage

1	Natural Cavity	3	Drilled Cavity	5	Drilled Start
2	Natural Start	4	Insert Cavity	N/A	Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
A17-08	2032	INA	1	…	A and B
	3949	ACT	1	…	
	4245	ACT	1	2004 - 2006	
	4933	ACT	1	…	
	5073	ACT	1	…	
	3692A	ACT	4	…	
A17-13	0939	INA	1	…	A and B
	3628	ACT	1	…	
	4234	ACT	1	…	
	4235	ACT	1	…	
	4860	ACT	2	…	
	5388	ACT	1	2006	
	3845A	INA	4	…	
	3846A	ACT	4	…	
	3847A	INA	4	…	
	4781A	INA	4	…	
A17-14	4246	INA	1	…	A and B
	4247	ACT	1	…	
	4248	ACT	1	2004 - 2006	
	4236	ACT	1	…	
	4251A	ACT	4	…	
	4252A	ACT	4	…	
	4253A	ACT	4	…	
A20-06	1727	INA	1	…	B
	3734	INA	2	…	
	3735	ACT	1	…	
	4217	INA	2	…	
	5394	ACT	1	2006	
	4453A	ACT	4	…	
	4454A	ACT	4	…	
	4455A	ACT	4	…	
BB03-01R	4830	INA	2	…	A and B
	4911	INA	2	…	
	5246	INA	2	…	
	5265	ACT	1	…	
	5492	ACT	2	…	
	4653A	INA	4	…	
	4654A	ACT	4	…	
	4655A	INA	4	…	
	4656A	ACT	4	…	
	5264A	ACT	4	…	

Activity Status

ACT	Active
INA	Inactive

Stage

1	Natural Cavity	3	Drilled Cavity	5	Drilled Start
2	Natural Start	4	Insert Cavity	N/A	Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
BB04-01R	4255	ACT	1	2006	A and B
	4256	ACT	1	…	
	4832	INA	2	…	
	5153	INA	2	…	
	3753A	INA	3	…	
	3754A	INA	3	…	
	3755A	ACT	2	…	
	4242A	INA	3	…	
BB05-O1R	5452	ACT	1	2006	A and B
	5509	INA	2	…	
	4628A	INA	4	…	
	4629A	ACT	4	…	
	4630A	ACT	4	…	
	4631A	INA	4	…	
	5266A	ACT	4	…	
C01-02	0591	INA	1	…	A
	1660	INA	1	…	
	1662	INA	1	…	
	2287	INA	1	…	
	2298	ACT	2	…	
	2299	INA	1	…	
	2855	INA	1	…	
	2977	INA	1	…	
	3818	INA	1	…	
	3940	ACT	1	…	
	4183	INA	1	…	
	4307	ACT	1	2004 - 2006	
	4308	ACT	2	…	
	4510	INA	2	…	
	4786	ACT	1	…	
	5535	ACT	1	…	

Activity Status

ACT	Active
INA	Inactive

Stage

1	Natural Cavity	3	Drilled Cavity	5	Drilled Start
2	Natural Start	4	Insert Cavity	N/A	Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
C01-03	0124	INA	1	…	A
	0587	ACT	2	…	
	0588	INA	1	…	
	1975	ACT	1	…	
	2151	INA	2	…	
	2856	INA	2	…	
	5382	ACT	1	2005 - 2006	
	4764A	ACT	4	…	A
	4765A	ACT	4	…	
C02-02	2499	INA	1	…	A
	2500	INA	2	…	
	2965	INA	1	…	
	3381	INA	1	…	
	3886	INA	1	…	
	4309	INA	1	…	
	4615	INA	1	…	
	4696	ACT	1	…	
	4793	ACT	1	2003 - 2006	
	5455	ACT	2	…	
D05-02R	4645A	ACT	4	2005 - 2006	A and B
	4646A	ACT	4	…	
	4648A	INA	4	…	
	5270A	INA	4	…	
D05-04R	5408A	INA	3	…	A and B
	5409A	INA	3	…	
	5410A	ACT	4	…	
	5411A	ACT	4	2006	
D06-01R	4521	INA	2	…	A and B
	4811	ACT	1	…	
	4864	INA	2	…	
	4068A	INA	4	…	
	4069A	INA	4	…	
	4070A	ACT	4	2006	
	4071A	ACT	4	…	
D08-01R	4897	INA	1	…	A and B
	5214	ACT	2	…	
	5215	INA	2	…	
	3150A	INA	4	…	
	3151A	ACT	4	…	
	4388A	INA	4	…	
	4389A	INA	4	…	
	5488A	INA	4	…	

Activity Status

ACT	Active
INA	Inactive

Stage

1	Natural Cavity	3	Drilled Cavity	5	Drilled Start
2	Natural Start	4	Insert Cavity	N/A	Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
D10-01	1941	INA	2	…	A and B
	2327	INA	1	…	
	2823	ACT	1	…	
	2868	INA	1	…	
	4004	INA	1	…	
	4826	INA	1	…	
	5163	INA	1	…	A and B
	5224	INA	2	…	
	5441	ACT	2	2006	
	5461A	ACT	4	2006	
D11-01	0469	INA	1	…	A and B
	1855	INA	1	…	
	2477	INA	1	…	
	3380	ACT	1	2004 - 2006	
	5464	INA	1	…	
	5591	ACT	1	…	
	3967A	INA	4	…	
	4237A	INA	4	…	
	4238A	ACT	4	…	
D11-02	4517	ACT	1	…	A and B
	4918	INA	1	…	
	5476	ACT	1	2006	
	3852A	INA	4	…	
	3853A	INA	4	…	
	4239A	INA	4	…	
	4240A	INA	4	…	
D15-01R	5274	INA	1	…	A and B
	5275	INA	2	…	
	5276	INA	2	…	
	3760A	ACT	4	2004 - 2006	
	3761A	ACT	4	…	
	3762A	INA	4	…	
	3763A	ACT	4	…	
D16-02	2418	INA	1	…	A and B
	2973	ACT	1	2004 - 2006	
	4574	INA	2	…	
	3450A	INA	4	…	
	3451A	INA	4	…	
	4575A	ACT	4	…	
	4576A	INA	4	…	

Activity Status

ACT	Active
INA	Inactive

Stage

1	Natural Cavity	3	Drilled Cavity	5	Drilled Start
2	Natural Start	4	Insert Cavity	N/A	Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
D17-04R	4523	INA	1	…	A and B
	5012	ACT	1	…	
	5272	ACT	1	…	
	5273	ACT	1	…	
	2637A	INA	4	…	
	2638A	INA	4	…	
	2639A	INA	5	…	
	2673A	ACT	1	2005 - 2006	
	2676A	ACT	4	…	
	4942A	INA	4	…	
	5605	ACT	1	…	
E02-01	1084	ACT	1	…	A and B
	2378	INA	1	…	
	4390	ACT	1	2006	
	4530	ACT	1	…	
	4598	ACT	1	…	
	5473A	ACT	4	…	
E03-01	1148	INA	1	…	A and B
	2805	INA	1	…	
	3538	INA	1	…	
	4750	ACT	1	…	
	5239	ACT	1	2005 - 2006	
	2537A	ACT	4	…	
	2538A	INA	4	…	
	2549A	ACT	4	…	
	2571A	ACT	4	…	
E04-01	0180	ACT	1	…	A and B
	2804	ACT	1	…	
	3957	ACT	1	2006	
	3958	INA	2	…	
	4459	ACT	1	…	
	5108	INA	2	…	
	5109	INA	1	…	
	5185	INA	2	…	
E08-05R	5120A	ACT	4	2005 - 2006	A and B
	5121A	ACT	4	…	
	5122A	ACT	4	…	
	5123A	ACT	4	…	
	5472A	ACT	4	…	

Activity Status

ACT	Active
INA	Inactive

Stage

1	Natural Cavity	3	Drilled Cavity	5	Drilled Start
2	Natural Start	4	Insert Cavity	N/A	Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
F01-02R	4632A	INA	4	…	A and B
	4633A	INA	4	…	
	4634A	INA	4	…	
	4635A	INA	4	…	
F02-01R	3465A	ACT	4	…	A and B
	3466A	INA	4	…	
	3467A	ACT	4	2006	
	4083A	INA	4	…	
HCC-03R	4995	ACT	1	…	A and B
	5155	INA	1	…	
	5429	ACT	1	2005 - 2006	
	5430	INA	2	…	
	4128A	INA	4	…	
	4129A	INA	4	…	
	4131A	INA	4	…	
	4272A	INA	3	…	
	4273A	INA	5	…	
HCC-08R	0430	INA	1	…	A and B
	1308	INA	1	…	
	4958A	ACT	4	…	
	4959A	ACT	4	…	
	4960A	ACT	4	…	
	4961A	INA	4	…	
HCC-10R	4429A	ACT	4	…	A and B
	4430A	INA	4	…	
	4431A	ACT	4	…	
	4432A	ACT	4	2001 - 2006	
HCC-11R	5384	ACT	1	…	A and B
	5385	ACT	1	2005 - 2006	
	5538	ACT	1	…	
	4058A	INA	4	…	
	4059A	INA	4	…	
	4060A	ACT	4	…	
	4061A	ACT	4	…	
J01-02R	3622A	ACT	4	2006	A
	3623A	ACT	4	…	
	3748A	INA	4	…	
	3803A	ACT	4	…	

Activity Status

ACT	Active
INA	Inactive

Stage

1	Natural Cavity	3	Drilled Cavity	5	Drilled Start
2	Natural Start	4	Insert Cavity	N/A	Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
J02-02R	5204	INA	2	…	A and B
	5489	ACT	1	…	
	5511	ACT	2	…	
	2681A	INA	5	…	
	2682A	INA	5	…	
	2683A	INA	5	…	
	2685A	ACT	4	2005 - 2006	
	2686A	ACT	4	…	
	2687A	INA	4	…	
	2688A	ACT	4	…	
J03-01	0184	INA	1	…	A and B
	0543	INA	1	…	
	1985	INA	2	…	
	2268	INA	2	…	
	4208	INA	2	…	
	4326	INA	1	…	
	4906	ACT	1	2006	
	4907	INA	2	…	
	4908	INA	1	…	
	5041	INA	2	…	
	4102A	INA	4	…	
	4983A	INA	4	…	
J04-01	1586	INA	1	…	A and B
	2302	INA	1	…	
	2765	INA	2	…	
	2818	INA	2	…	
	2820	INA	1	…	
	4550	ACT	1	2004 - 2006	
	4403A	ACT	4	…	
	4404A	ACT	4	…	
	5462A	INA	4	…	
	5463A	INA	4	…	
J05-01	0189	INA	1	…	A and B
	1958	INA	1	…	
	1959	INA	1	…	
	1982	INA	1	…	
	2266	INA	1	…	

Activity Status

ACT Active
INA Inactive

Stage

1 Natural Cavity
2 Natural Start
3 Drilled Cavity
4 Insert Cavity
5 Drilled Start
N/A Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
J05-01	3646	INA	1	…	A and B
	3652	ACT	1	…	
	4163	INA	2	…	
	4497	INA	2	…	
	4498	INA	1	…	
	5493	ACT	2	2006	
J06-01	2505	INA	1	…	A and B
	2506	INA	1	…	
	4566	INA	1	…	
	4569	INA	1	…	
	4664	INA	1	…	
	4916	INA	1	…	
	4917	INA	1	…	
	5187	INA	2	…	
	5202	INA	2	…	
	5241	INA	1	…	
	4951A	ACT	4	…	
	4952A	ACT	4	…	
	4953A	ACT	4	…	
J06-03	0013	INA	1	…	A and B
	0684	INA	1	…	
	0685	INA	1	…	
	2489	INA	1	…	
	2815	INA	1	…	
	3995	INA	2	…	
	4797A	ACT	4	…	
	4798A	ACT	4	2003 - 2006	
K02-01	1617	INA	1	…	A and B
	4773	INA	1	…	
	3900A	ACT	4	2002 - 2006	
	3901A	INA	4	…	
	4772A	ACT	4	…	
K08-03	5407	ACT	1	…	A and B
	5439	ACT	1	2006	
	5440	ACT	2	…	
	4967A	INA	4	…	
	4968A	ACT	4	…	
	4969A	INA	4	…	
K08-04	2937	INA	1	…	A and B
	2938	ACT	1	2005 - 2006	
	4258	ACT	1	…	
	4571	ACT	1	…	

Activity Status

ACT	Active
INA	Inactive

Stage

1	Natural Cavity	3	Drilled Cavity	5	Drilled Start
2	Natural Start	4	Insert Cavity	N/A	Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
K08-04	4561A	INA	4	…	A and B
	4562A	INA	4	…	
K09-01	1970	INA	1	…	A and B
	2463	INA	2	…	
	3341	INA	1	…	
	4936A	ACT	4	…	
	4937A	ACT	4	…	
	4987A	ACT	3	2005 - 2006	
	5083A	ACT	3	…	
K09-03R	5170	ACT	1	…	A and B
	4409A	ACT	4	…	
	4410A	ACT	4	2006	
	4411A	ACT	4	…	
	4412A	ACT	4	…	
K10-01R	3930A	ACT	4	2006	A and B
	3931A	INA	4		
	3932A	INA	4		
	3933A	INA	4		
	5517	ACT	1	2006	
K11-02	1064	ACT	1	…	A and B
	3656	INA	1	…	
	3688	INA	2	…	
	4852	INA	2	…	
	5284	INA	2	…	
	5434	ACT	1	2006	
	2595A	INA	4	…	
	5211	INA	2	…	
	2596A	INA	4	…	
	2620A	INA	4	…	
	2621A	INA	4	…	
	2737A	INA	4	…	
	3788A	INA	4	…	
K11-03	4214	ACT	1	2006	A and B
	4740	INA	1	…	
	5074	ACT	2	…	
	3124A	INA	4	…	
	3125A	INA	4	…	
	3126A	ACT	4	…	
	3127A	INA	4	…	
	3216A	INA	4	…	
	3217A	INA	5	…	

Activity Status

ACT Active
INA Inactive

Stage

1 Natural Cavity
2 Natural Start
3 Drilled Cavity
4 Insert Cavity
5 Drilled Start
N/A Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
K14-01R	5166	INA	2	…	A and B
	5282	ACT	2	…	
	5283	INA	2	…	
	5458	ACT	1	2006	
	4610A	INA	4	…	
	4611A	INA	4	…	
	4612A	ACT	4	…	
	4613A	ACT	4	…	
	5280A	INA	4	…	
	5281A	INA	4	…	
K17-01	1634	INA	2	…	A and B
	2288	INA	2	…	
	2848	INA	1	…	
	3541	INA	2	…	
	3542	INA	1	…	
	4700	INA	N/A	…	
	4777A	ACT	4	…	
	4979A	ACT	4	2006	
	4980A	INA	4	…	
	5474A	INA	4	…	
	5475A	INA	4	…	
K17-02	2847	INA	1	…	A and B
	4567	ACT	2	…	
	3804A	ACT	4	2006	
	3805A	ACT	2	…	
	3965A	ACT	4	…	
	5603A	INA	4	…	
K17-05R	4045A	INA	4	…	A and B
	4046A	ACT	4	2005 - 2006	
	4047A	ACT	4	…	
	4048A	INA	4	…	
K18-01	2895	ACT	1	…	A and B
	4231	INA	1	…	
	4232	ACT	1	2006	
	4689	ACT	1	…	
	4736	ACT	2	…	
	5158	ACT	1	…	
	5212	ACT	1	…	
	3659A	INA	4	…	
	3966A	ACT	4	…	
K18-02R	4739	ACT	2	…	A and B
	3890A	INA	4	…	
	3891A	ACT	4	2006	

Activity Status

ACT Active
INA Inactive

Stage

1 Natural Cavity
2 Natural Start
3 Drilled Cavity
4 Insert Cavity
5 Drilled Start
N/A Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
K18-02R	3892A	ACT	4	…	A and B
	3893A	ACT	4	…	
	4557A	ACT	4	…	
	4558A	INA	4	…	
K18-03R	5521A	INA	3	…	A and B
	5522A	INA	3	…	
	5523A	INA	3	…	
	5524A	INA	3	…	
K21-02R	5213	INA	2	…	A and B
	5456	ACT	2	2006	
	4399A	INA	4	…	
	4400A	INA	4	…	
	4401A	INA	4	…	
	4402A	ACT	4	…	
L02-01R	1292	INA	1	…	A and B
	3154A	INA	4	…	
	3155A	INA	4	…	
	3156A	INA	4	…	
	3157A	INA	4	…	
L02-02R	5133A	ACT	3	2006	A and B
	5134A	ACT	3	…	
	5135A	ACT	4	…	
	5136A	ACT	4	…	
L03-01	0478	ACT	1	…	A
	1947	ACT	2	…	
	1948	ACT	1	2006	
	1949	INA	1	…	
	2319	INA	2	…	
	3947	INA	2	…	
	5178	INA	1	…	
	5179	INA	2	…	
	5225	INA	2	…	
	5249	ACT	1	…	
M08-04R	5175	ACT	2	…	A
	4637A	INA	4	…	
	4638A	ACT	4	…	
	4639A	ACT	4	2006	
	4640A	ACT	4	…	
M08-05R	4505	INA	2	…	A
	4861	INA	1	…	
	5196	ACT	1	…	

Activity Status

ACT	Active
INA	Inactive

Stage

1	Natural Cavity	3	Drilled Cavity	5	Drilled Start
2	Natural Start	4	Insert Cavity	N/A	Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
M08-05R	3407A	ACT	4	…	A
	3408A	INA	4	…	
	3519A	ACT	4	…	
	3520A	ACT	4	2005 - 2006	
O01-01	2000	ACT	1	…	A
	2310	INA	1	…	
	2810	INA	1	…	
	2811	INA	1	…	
	3240	INA	1	…	
	3262	ACT	1	…	
	3928	ACT	1	2006	
	4842	INA	1	…	
	5448	ACT	1	…	
	5449	INA	1	…	
	5527	ACT	1	…	
	3801A	ACT	4	…	
	3802A	ACT	4	…	
O01-02	0787	INA	1	…	
	2923	INA	2	…	
	3392	INA	1	…	
	5427	ACT	1	…	
	5636	ACT	N/A		
	4086A	INA	4	…	
	4087A	ACT	4	…	
	4779A	ACT	4	2006	
	4780A	INA	4	…	
O01-03	0105	ACT	1	…	A
	4993	ACT	1	…	
	5028	INA	1	…	
	5098	ACT	1	…	
	5381	ACT	1	2006	
	3456A	INA	4	…	
	3457A	INA	4	…	
	4966A	INA	4	…	
O01-04R	4678	INA	2	…	A
	4840	ACT	2	…	
	3914A	ACT	4		
	3915A	INA	4	2004 - 2006	
	3916A	INA	4	…	
	3917A	ACT	4	…	

Activity Status

ACT	Active
INA	Inactive

Stage

1	Natural Cavity	3	Drilled Cavity	5	Drilled Start
2	Natural Start	4	Insert Cavity	N/A	Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
O02-01R	4838	ACT	1	2005 - 2006	A
	2539A	INA	4	…	
	2555A	INA	4	…	
	2556A	INA	4	…	
	2724A	INA	5	…	
	2726A	ACT	4	…	
	2727A	INA	4	…	
O03-01	0802	INA	1	…	A
	1741	INA	1	…	
	2307	INA	1	…	
	3716	INA	1	…	
	4030	INA	1	…	
	4997	INA	2	…	
	5106A	ACT	3	2005 - 2006	
	5107A	ACT	3	…	
	5520A	INA	3	…	
O03-02	0112	INA	1	…	A and B
	1592	INA	1	…	
	1744	INA	2	…	
	2249	ACT	1	…	
	3436A	INA	4	…	
	3437A	INA	4	…	
	5005A	ACT	3	…	
	5420A	ACT	3	2006	
O03-03	0115	INA	1	…	A
	0116	INA	1	…	
	1730	INA	1	…	
	2337	ACT	1	…	
	2903	ACT	2	…	
	3488	ACT	2	…	
	3943	ACT	1	…	
	4172	ACT	1	2006	
	4570	ACT	1	…	
	5078	INA	2	…	
O03-04	0768	ACT	1	…	A
	1193	ACT	1	…	
	2338	INA	2	…	
	3644	INA	2	…	
	2793A	ACT	4	…	
	2794A	ACT	4	…	
	2795A	ACT	4	…	

Activity Status

ACT Active
INA Inactive

Stage

1 Natural Cavity
2 Natural Start
3 Drilled Cavity
4 Insert Cavity
5 Drilled Start
N/A Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
O03-04	2796A	ACT	4	…	A
	2797A	ACT	3	2006	
	2798A	ACT	5	…	
	2799A	ACT	5	…	
	2800A	ACT	5	…	
O03-05	2242	INA	1	…	A
	2243	INA	1	…	
	2244	ACT	1	…	
	2508	ACT	1	…	
	4573	ACT	2	…	
	2590A	ACT	4	…	
	2591A	ACT	4	…	
	2608A	ACT	4	…	
	2720A	ACT	5	…	
	2723A	ACT	2	2006	
O03-06R	4755A	ACT	4	…	A
	4756A	INA	4	…	
	4757A	INA	4	…	
	4758A	ACT	4	2006	
O03-07	5451	ACT	1	2006	A
	5498A	INA	4	…	
	5499A	ACT	4	…	
	5500A	ACT	4	…	
O04-03	2111	ACT	1	…	
	4032	ACT	1	…	
	4596	INA	1	…	
	4702	ACT	1	2006	
	4927	ACT	1	…	
	4957	INA	2	…	
	5061	ACT	1	2006	
	5501	ACT	2	…	
	2558A	ACT	4	…	
	2559A	ACT	4	…	
	2560A	ACT	4	…	
	3315A	INA	5	…	
	3316A	ACT	2	…	
O05-01	0794	INA	1	…	A and B
	2247	INA	2	…	
	2867	INA	1	…	
	3328	INA	1	…	
	3377	ACT	1	…	

Activity Status

ACT Active
INA Inactive

Stage

1 Natural Cavity
2 Natural Start
3 Drilled Cavity
4 Insert Cavity
5 Drilled Start
N/A Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
O05-01	3676	INA	1	…	A and B
	4034	INA	2	…	
	4092	INA	2	…	
	4461	INA	1	…	
	4462	INA	2	…	
	4463	INA	1	…	
	4884	INA	1	…	
	4885	ACT	2	…	
	4892	ACT	1	2006	
	5143	ACT	1	…	
	5257	INA	1	…	
	5397	ACT	1	…	
	5453	ACT	1	…	
	5507	ACT	2	…	
	3318A	INA	4	…	
O05-02	0770	ACT	1	…	A and B
	1726	INA	1	…	
	2250	ACT	1	…	
	2262	ACT	1	2006	
	2263	INA	1	…	
	4913	INA	2	…	
	4395A	INA	4	…	
O05-03R	5467	ACT	2	…	A and B
	4421A	ACT	4	…	
	4422A	INA	4	…	
	4423A	ACT	4	…	
	4424A	ACT	4	2002 - 2006	
O07-03R	4391A	INA	4	…	A and B
	4392A	INA	4	…	
	4393A	ACT	4	…	
	4394A	INA	4	…	
O08-03R	4674	ACT	1	2005 - 2006	A and B
	5021	ACT	1	…	
	5059	INA	2	…	
	5526	ACT	1	…	
	4074A	INA	4	…	
	4075A	INA	4	…	
	4076A	ACT	4	…	
	4077A	INA	4	…	

Activity Status

ACT Active
INA Inactive

Stage

1 Natural Cavity
2 Natural Start
3 Drilled Cavity
4 Insert Cavity
5 Drilled Start
N/A Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
O09-02	1614	INA	4	…	A and B
	3232	ACT	2	…	
	3938	ACT	1	…	
	4670	INA	2	…	
	4836	ACT	1	…	
	3095A	INA	4	…	
	3096A	INA	4	…	
	3098A	ACT	4	2006	
	3099A	ACT	4	…	
O09-03R	3768A	ACT	4	…	A and B
	3769A	ACT	4	…	
	3770A	INA	4	…	
	3771A	INA	4	…	
O09-04R	4920	ACT	2	…	A and B
	4124A	ACT	4	2006	
	4125A	ACT	4	…	
	4126A	INA	4	…	
	4127A	INA	4	…	
	4276A	INA	4	…	
	4277A	INA	3	…	
O09-05R	5628	ACT	1		A and B
	4335A	INA	4	…	
	4336A	INA	4	…	
	4337A	ACT	4	2005 - 2006	
	4338A	ACT	4	…	
	5601A	INA	4	…	
O10-01	4524	ACT	1	…	
	5446	ACT	1	2006	
	5556	ACT	2	…	
	2588A	INA	4	…	A and B
	2589A	INA	4	…	
	2679A	ACT	4	…	
	3617A	ACT	4	…	
	3620A	INA	4	…	
	4525A	INA	4	…	
O11-01	0223	ACT	1	…	A
	0225	INA	1	…	
	0806	INA	1	…	
	0809	INA	1	…	
	0810	INA	1	…	
	1850	INA	1	…	
	1851	INA	1	…	
	3327	INA	2	…	

Activity Status

ACT Active
INA Inactive

Stage

1 Natural Cavity
2 Natural Start
3 Drilled Cavity
4 Insert Cavity
5 Drilled Start
N/A Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
O11-01	3532	ACT	1	…	A
	4228	ACT	1	…	
	4506	ACT	1	2001 - 2006	
	5142	INA	1	…	
	5425	ACT	1	…	
	5426	ACT	2	…	
O12-04R	5197	ACT	2	…	A
	3780A	INA	4	…	
	3781A	ACT	4	2006	
	3782A	INA	4	…	
	3783A	ACT	4	…	
O14-01	0312	INA	1	…	A
	2162	INA	2	…	
	2342	INA	2	…	
	2343	INA	1	…	
	2344	INA	1	…	
	2345	INA	2	…	
	2510	INA	1	…	
	2511	INA	1	…	
	2888	INA	2	…	
	4105	ACT	2	…	
	5529	ACT	1	2006	
	4762A	ACT	4	…	
	4763A	ACT	4	…	
O14-02	2320	INA	2	…	A
	3236	INA	1	…	
	3430	INA	2	…	
	3703	INA	1	…	
	3715	ACT	1	…	
	3970	ACT	1	…	
	4507	INA	2	…	
	4508	INA	2	…	
	4680	INA	2	…	
	4844	INA	2	…	
	5424	ACT	1	2005 - 2006	
	3446A	INA	4	…	
O14-03R	4827	ACT	1	2006	A
	4862	INA	2	…	
	5234	INA	2	…	
	5237	ACT	2	…	
	5423	INA	1	…	

Activity Status

ACT	Active
INA	Inactive

Stage

1	Natural Cavity	3	Drilled Cavity	5	Drilled Start
2	Natural Start	4	Insert Cavity	N/A	Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
O14-03R	4116A	INA	4	…	A
	4117A	INA	4	…	
	4118A	INA	4	…	
	4119A	INA	4	…	
	4274A	ACT	4	…	
	4275A	ACT	5	…	
	4759A	INA	4	…	
O15-01	1996	ACT	2	…	A
	1997	INA	2	…	
	4020	INA	2	…	
	4026	INA	2	…	
	5554	ACT	1	…	
	5555	ACT	2	…	
	5637	ACT	2	…	
	5638	ACT	1	…	
	5639	ACT	2	…	
	3615A	ACT	4	2005	
	3616A	ACT	4	…	
	4372A	INA	4	…	
	4373A	INA	4	…	
O15-02	0785	ACT	1	2001 - 2006	A
	0814	ACT	1	…	
	1568	INA	1	…	
	3530	ACT	1	…	
	4021	ACT	1	…	
	4677	INA	2	…	
	3614A	ACT	4	…	
015-03	0506	INA	1	…	A
	0509	INA	1	…	
	2004	INA	1	…	
	3382	INA	1	…	
	3706	INA	1	…	
	3731	ACT	1	…	
	4022	ACT	1	…	
	4262	INA	2	…	
	4996	ACT	1	…	
	5157	ACT	1	…	
	5528	ACT	1	2006	
	4396A	ACT	4	…	
O15-04	1724	INA	1	…	A
	4024	INA	2	…	
	4025	INA	1	…	
	4155	INA	2	…	
	4156	ACT	1	2006	

Activity Status

ACT Active
INA Inactive

Stage

1 Natural Cavity
2 Natural Start
3 Drilled Cavity
4 Insert Cavity
5 Drilled Start
N/A Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
O15-04	5141	INA	1	…	A
	3621A	ACT	4	…	
	5105A	ACT	3	…	
Q02-02	0378	INA	1	…	B
	0379	ACT	1	…	
	0380	INA	1	…	
	2158	INA	1	…	
	2515	ACT	1	…	
	2885	INA	1	…	
	3388	INA	2	…	
	4222	ACT	1	2004 - 2006	
	4223	INA	2	…	
	4224	INA	1	…	
	4257	INA	2	…	
	4843	INA	2	…	
	5244	ACT	1		
Q02-04R	5052	ACT	1	…	B
	5450	ACT	2	…	
	5622	ACT	2	…	
	4050A	ACT	4	…	
	4051A	INA	4	…	
	4052A	INA	4	…	
	4774A	ACT	1	2006	
Q02-05R	4405A	INA	4	…	A
	4406A	INA	4	…	
	4407A	INA	4	…	
	4408A	INA	4	…	
R01-01	2135	INA	1	…	B
	3227	INA	1	…	
	3360	INA	2	…	
	3992	INA	1	…	
	4103	INA	2	…	
	5491	INA	2	…	
	4681	ACT	1	2006	
	4682	INA	2	…	
	4661A	ACT	4	…	
	4662A	ACT	4	…	
	4975A	ACT	4	…	
	4976A	ACT	4	…	

Activity Status

ACT	Active
INA	Inactive

Stage

1	Natural Cavity	3	Drilled Cavity	5	Drilled Start
2	Natural Start	4	Insert Cavity	N/A	Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
R01-02R	2613A	INA	4	…	A and B
	2614A	INA	4	…	
	2632A	INA	4	…	
	2633A	INA	4	…	
	5609A	INA	4	…	
	5610A	INA	4	…	
	5611A	INA	4	…	
	5612A	INA	4	…	
R01-03R	4027	INA	1	…	B
	4206	INA	1	…	
	4691	ACT	1	…	
	4711	INA	1	…	
	4833	INA	1	…	
	4912	ACT	1	…	
	5054	INA	1	…	
	5151	ACT	1	2004 - 2006	
	2650A	INA	4	…	
	2652A	INA	5	…	
	2654A	INA	4	…	
	2655A	INA	5	…	
	2657A	INA	4	…	
	3902A	INA	4	…	
R02-01R	5055	INA	2	…	A and B
	5466	INA	2	…	
	4413A	INA	4	…	
	4414A	ACT	4	2004 - 2006	
	4415A	ACT	4	…	
	4416A	ACT	4	…	
S02-01R	4305	INA	2	…	
	4306	INA	1	…	
	4699	INA	1	…	
	4796	INA	1	…	
	4914	ACT	1	…	
	4921	ACT	1	…	
	5067	ACT	1	2006	
	5114	INA	2	…	
	2534A	INA	4	…	
	2634A	INA	4	…	
	2635A	INA	4	…	
	2636A	INA	4	…	
SHC-02	0354	INA	1	…	A and B
	0884	INA	1	…	
	0885	INA	1	…	
	1225	INA	1	…	
	1257	INA	1	…	
	1665	INA	1	…	
	1892	INA	1	…	

Activity Status

ACT Active
INA Inactive

Stage

1 Natural Cavity
2 Natural Start
3 Drilled Cavity
4 Insert Cavity
5 Drilled Start
N/A Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
SHC-02	1893	INA	1	…	A and B
	1895	INA	1	…	
	3378	INA	1	…	
	4894	INA	1	…	
	4898	INA	2	…	
	4929A	ACT	4	…	
	4932A	ACT	3	2006	
T01-01	0660	INA	1	…	A and B
	0661	ACT	1	…	
	0662	ACT	1	2006	
	3536	INA	2	…	
	3718	INA	2	…	
	4792	ACT	2	…	
	4834	ACT	2	…	
	5077	INA	2	…	
	3849A	INA	4	…	
	4053A	INA	4	…	
T02-01	5494A	INA	3	…	A and B
	5495A	INA	3	…	
	5496A	ACT	4	…	
	5497A	INA	3	…	
T02-02R	4787	ACT	1	2006	A and B
	5040	ACT	1	…	
	5075	INA	2	…	
	4443A	INA	4	…	
	4444A	INA	4	…	
	4445A	ACT	4	…	
	4446A	INA	4	…	
T03-02	0713	INA	1	…	A and B
	1136	INA	2	…	
	2095	ACT	1	…	
	2101	INA	1	…	
	2176	INA	1	…	
	3647	INA	2	…	
	4205	ACT	1	2004 - 2006	
	5242	INA	2	…	
	4982A	ACT	4	…	

Activity Status

ACT Active
INA Inactive

Stage

1 Natural Cavity
2 Natural Start
3 Drilled Cavity
4 Insert Cavity
5 Drilled Start
N/A Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
T03-03	1758	INA	1	…	A
	3352	INA	1	…	
	3440A	INA	4	…	
	3441A	INA	4	…	
T03-04R	5129A	ACT	4	2006	
	5130A	INA	3	…	
T03-04R	5129A	ACT	N/A	…	A and B
	5130A	INA	N/A	…	
	5131A	INA	4	…	
	5132A	ACT	3	…	
T04-01	2986	INA	2	…	A and B
	3999	ACT	1	…	
	4546	ACT	1	…	
	5183	ACT	1	2006	
	2541A	ACT	4	…	
	2542A	ACT	4	…	
	2543A	INA	4	…	
	2544A	INA	4	…	
	2708A	INA	5	…	
	2709A	ACT	1	…	
	2710A	INA	5	…	
	2711A	INA	5	…	
T04-03R	4301	INA	1	…	A
	4794	INA	2	…	
	5252	ACT	2	…	
	5253	ACT	2	…	
	3772A	ACT	4	2003 - 2006	
	3773A	ACT	4	…	
	3774A	INA	4	…	
	3775A	INA	4	…	
	4339A	INA	4	…	
	4340A	ACT	4	…	
T05-02	0749	INA	1	…	A and B
	2957	INA	1	…	
	3354	INA	1	…	
	3924	INA	2	…	
	4167	INA	2	…	
	4683	ACT	1	2005 - 2006	
	4684	INA	1	…	
	5110	INA	2	…	
	5184	INA	1	…	
	4800A	ACT	4	…	
	4801A	ACT	4	…	

Activity Status

ACT Active
INA Inactive

Stage

1 Natural Cavity
2 Natural Start
3 Drilled Cavity
4 Insert Cavity
5 Drilled Start
N/A Not Available

Appendix C (cont'd). Red-cockaded woodpecker (RCW) cavity trees associated with clusters impacted by 2007-2013 Alternatives A and B Transformation projects, Fort Benning Military Installation, Georgia.

Compartment - Cluster	Tag Number	Activity	Stage	Nest Tree History	Cluster Impacted by Alternative A and/ or B
U04-01	3255	INA	1	…	A and B
	3397A	INA	3	…	
	3398A	ACT	3	…	
	4084A	INA	4	…	
	4085A	INA	4	…	
	4668	ACT	1	…	
	5180	ACT	1	2005 - 2006	
	5236	ACT	1	…	

Activity Status

ACT	Active
INA	Inactive

Stage

1	Natural Cavity	3	Drilled Cavity	5	Drilled Start
2	Natural Start	4	Insert Cavity	N/A	Not Available

In the above table, when cavity trees had multiple cavites or starts, only the most suitable cavity or start with the highest activity was listed.

APPENDIX D

STANDARD FOR MANAGED STABILITY (SMS) AND RECOVERY STANDARD (RS) RED-COCKADED WOODPECKER (RCW) FORAGING ANALYSES TABLES – ALTERNATIVE A

Table D-1. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A06-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0613	153.92	56	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	1	153.92	7,080.32				
A0615	16.37	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	0					0.00	0.00
A0701	1.36	13	21	28.38	10.00	40.55	30.00	12.91	15.00	0.00	0.00	0.00	0.00	45.00	55.00	5	30	0	3	2	0					1.36	61.20
A0706	31.26	55	25	42.34	12.00	17.22	12.50	5.72	8.50	9.97	2.18	1.51	4.50	21.00	37.50	1	43	14	3	2	0					31.26	656.46
A0713	1.21	53	31	5.93	2.00	9.51	7.50	5.41	8.00	2.98	2.23	4.32	7.50	15.50	25.00	1	47	31	3	2	0					1.21	18.76
	204.12																					**153.92**	**7,080.32**	**0.00**	**0.00**	**33.83**	**736.42**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0613	2008	65439	Road Improvements	0.18	8.28				
			TOTAL REMOVALS	**0.18**	**8.28**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT	**2008**	
	Acres	**BA**
Suitable Habitat	**153.74**	**7,072.04**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**33.83**	**736.42**
TOTAL	**187.57**	**7,808.46**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
25 = Mixed Pine
31 = Loblolly Pine
NM = not managed

Table D-2. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A06-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0613	153.92	56	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	3.61	PS					153.92	7,080.32
A0615	16.37	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	1.90	NH					0.00	0.00
A0701	1.36	13	21	28.38	10.00	40.55	30.00	12.91	15.00	0.00	0.00	0.00	0.00	45.00	55.00	5	30	0	3	2	3.00	NH					1.36	61.20
A0706	31.26	55	25	42.34	12.00	17.22	12.50	5.72	8.50	9.97	2.18	1.51	4.50	21.00	37.50	1	43	14	3	2	3.44	PS					31.26	656.46
A0713	1.21	53	31	5.93	2.00	9.51	7.50	5.41	8.00	2.98	2.23	4.32	7.50	15.50	25.00	1	47	31	3	2	3.47	PS					1.21	18.76
	204.12																						**0.00**	**0.00**	**0.00**	**0.00**	**187.75**	**7,816.74**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0613	2008	65439	Road Improvements					0.18	8.28
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**0.18**	**8.28**

POST-PROJECT	**2008**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**187.57**	**7,808.46**
TOTAL	**187.57**	**7,808.46**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
25 = Mixed Pine
31 = Loblolly Pine
NM = not managed

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Table D-3. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A07-01**, Alternative A Transformation Projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0706	17.24	55	25	42.34	12.00	17.22	12.50	5.72	8.50	9.97	2.18	1.51	4.50	21.00	37.50	1	43	14	3	2	0					17.24	362.04
A0708	74.17	72	21	23.62	6.00	12.48	8.50	12.47	20.50	3.84	2.34	0.70	2.50	29.00	37.50	1	41	11	3	2	0					74.17	2,150.93
A0709	52.60	53	31	31.84	9.47	20.81	15.26	9.63	13.16	8.74	0.00	2.04	4.21	28.42	42.11	1	22	6	3	2	0					52.60	1,494.89
A0711	16.55	48	26	34.26	10.00	29.29	20.00	10.07	14.00	7.44	0.00	0.23	0.50	34.00	44.50	1	43	1	3	1	0	16.55	562.70				
A0713	6.77	53	31	5.93	2.00	9.51	7.50	5.41	8.00	2.98	2.23	4.32	7.50	15.50	25.00	1	47	31	3	2	0					6.77	104.94
A0715	2.01	90	21	30.53	11.00	29.41	21.00	18.01	25.00	8.35	2.15	3.62	6.50	46.00	63.50	1	27	11	3	2	1	2.01	92.46				
A0716	13.13	23	57*	16.77	4.00	4.19	3.00	0.00	0.00	31.20	9.94	4.57	12.00	3.00	19.00	1	24	78	3	2	0					0.00	0.00
A0717	1.90	74	21	17.40	5.00	18.37	13.50	13.11	19.00	9.41	0.00	1.38	3.00	32.50	40.50	1	19	4	3	2	0	1.90	61.75				
A0720	15.11	38	31	23.87	8.00	31.91	22.50	12.73	17.00	0.00	0.00	0.00	0.00	39.50	47.50	1	42	0	3	1	0	15.11	596.85				
	199.48																					**35.57**	**1,313.76**	**0.00**	**0.00**	**150.78**	**4,112.80**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0708	2008	65439	Construct Installation - Wide Roads Paved					0.04	1.16
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**0.04**	**1.16**

POST-PROJECT

	2008	
	Acres	**BA**
Suitable Habitat	**35.57**	**1,313.76**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**150.74**	**4,111.64**
TOTAL	**186.31**	**5,425.40**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57* = Scrub Oak (not managed)

Table D-4. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A07-01**, Alternative A Transformation Projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0706	17.24	55	25	42.34	12.00	17.22	12.50	5.72	8.50	9.97	2.18	1.51	4.50	21.00	37.50	1	43	14	3	2	3.44	PS					17.24	362.04
A0708	74.17	72	21	23.62	6.00	12.48	8.50	12.47	20.50	3.84	2.34	0.70	2.50	29.00	37.50	1	41	11	3	2	4.27	PS					74.17	2,150.93
A0709	52.60	53	31	31.84	9.47	20.81	15.26	9.63	13.16	8.74	0.00	2.04	4.21	28.42	42.11	1	22	6	3	2	3.63	PS					52.60	1,494.89
A0711	16.55	48	26	34.26	10.00	29.29	20.00	10.07	14.00	7.44	0.00	0.23	0.50	34.00	44.50	1	43	1	3	1	3.56	PS					16.55	562.70
A0713	6.77	53	31	5.93	2.00	9.51	7.50	5.41	8.00	2.98	2.23	4.32	7.50	15.50	25.00	1	47	31	3	2	3.47	PS					6.77	104.94
A0715	2.01	90	21	30.53	11.00	29.41	21.00	18.01	25.00	8.35	2.15	3.62	6.50	46.00	63.50	1	27	11	3	2	4.43	PS			2.01	92.46		
A0716	13.13	23	57*	16.77	4.00	4.19	3.00	0.00	0.00	31.20	9.94	4.57	12.00	3.00	19.00	1	24	78	3	2	2.56	NH					0.00	0.00
A0717	1.90	74	21	17.40	5.00	18.37	13.50	13.11	19.00	9.41	0.00	1.38	3.00	32.50	40.50	1	19	4	3	2	3.99	PS					1.90	61.75
A0720	15.11	38	31	23.87	8.00	31.91	22.50	12.73	17.00	0.00	0.00	0.00	0.00	39.50	47.50	1	42	0	3	1	3.61	PS					15.11	596.85
	199.48																						**0.00**	**0.00**	**2.01**	**92.46**	**184.34**	**5,334.10**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0708	2008	65439	Construct Installation - Wide Roads Paved					0.04	1.16
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**0.04**	**1.16**

POST-PROJECT

	2008	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**2.01**	**92.46**
Future Potential Habitat	**184.30**	**5,332.94**
TOTAL	**186.31**	**5,425.40**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57* = Scrub Oak (not managed)

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Table D-3. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1705	42.13	75	21	38.03	10.00	22.22	16.50	21.89	32.50	4.06	4.24	0.95	5.50	49.00	64.50	2	29	11	3	2	1	42.13	2,064.37				
A1706	20.63	41	31	68.89	19.50	31.04	21.50	11.87	17.00	9.25	4.51	1.93	6.00	38.50	64.00	5	29	13	3	2	0			20.63	794.26		
A1707	8.24	41	31	94.25	25.79	63.39	44.21	15.10	20.53	26.90	6.17	1.72	7.89	64.74	98.42	1	19	9	3	2	0			8.24	533.46		
A1709	4.43	41	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	0			4.43	234.79		
A1714	14.27	91	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	1	14.27	941.82				
A1716	28.25	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	28.25	1,469.00				
A1717	4.34	76	10	97.34	28.89	59.53	41.11	17.28	21.11	19.22	0.00	1.89	4.44	62.22	95.56	1	33	2	3	2	0			4.34	270.03		
	122.29																					**84.65**	**4,475.19**	**37.64**	**1,832.54**	**0.00**	**0.00**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1705	2011	67012	Qualification Training Range	1.13	55.37				
A1705	2011	67012	Beaten Area for Qualification Training Range	17.91	877.59				
A1706	2011	67012	Qualification Training Range			0.39	15.02		
A1706	2011	67012	Beaten Area for Qualification Training Range			15.31	589.44		
A1707	2011	67012	Qualification Training Range			0.11	7.12		
A1707	2011	67012	Beaten Area for Qualification Training Range			7.87	509.50		
A1709	2011	67012	Beaten Area for Qualification Training Range			4.43	234.79		
A1714	2011	67012	Beaten Area for Qualification Training Range	8.87	585.42				
A1716	2011	67012	Qualification Training Range	16.70	868.40				
A1716	2011	67012	Beaten Area for Qualification Training Range	10.58	550.16				
A1717	2011	67012	Qualification Training Range			3.61	224.61		
A1717	2011	67012	Beaten Area for Qualification Training Range			0.68	42.31		
			TOTAL REMOVALS	**55.19**	**2,936.94**	**32.40**	**1,622.79**	**0.00**	**0.00**

POST-PROJECT

	2011 Acres	2011 BA
Suitable Habitat	**29.46**	**1,538.25**
Potentially Suitable Habitat	**5.24**	**209.75**
Future Potential Habitat	**0.00**	**0.00**
SUB-TOTAL	**34.70**	**1,748.00**
non-contiguous habitat	**-2.33**	**-96.54**
TOTAL	**32.37**	**1,651.46**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Forest Type:
10 = Yellow Pine - Upland Hardwood
21 = Longleaf Pine
31 = Loblolly Pine

Stands A1706 and A1707 will be non-contiguous as a result of project impacts and cannot be counted towards the available habitat for the partition.

Table D-6. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1705	42.13	75	21	38.03	10.00	22.22	16.50	21.89	32.50	4.06	4.24	0.95	5.50	49.00	64.50	2	29	11	3	2	4.42	PS			42.13	2,064.37		
A1706	20.63	41	31	68.89	19.50	31.04	21.50	11.87	17.00	9.25	4.51	1.93	6.00	38.50	64.00	5	29	13	3	2	3.38	PS					20.63	794.26
A1707	8.24	41	31	94.25	25.79	63.39	44.21	15.10	20.53	26.90	6.17	1.72	7.89	64.74	98.42	1	19	9	3	2	3.79	PS					8.24	533.46
A1709	4.43	41	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	4.18	PS					4.43	234.79
A1714	14.27	91	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	4.31	PS			14.27	941.82		
A1716	28.25	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.43	PS			28.25	1,469.00		
A1717	4.34	76	10	97.34	28.89	59.53	41.11	17.28	21.11	19.22	0.00	1.89	4.44	62.22	95.56	1	33	2	3	2	4.27	PS					4.34	270.03
	122.29																						**0.00**	**0.00**	**84.65**	**4,475.19**	**37.64**	**1,832.54**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1705	2011	67012	Qualification Training Range			1.13	55.37		
A1705	2011	67012	Beaten Area for Qualification Training Range			17.91	877.59		
A1706	2011	67012	Qualification Training Range					0.39	15.02
A1706	2011	67012	Beaten Area for Qualification Training Range					15.31	589.44
A1707	2011	67012	Qualification Training Range					0.11	7.12
A1707	2011	67012	Beaten Area for Qualification Training Range					7.87	509.50
A1709	2011	67012	Beaten Area for Qualification Training Range					4.43	234.79
A1714	2011	67012	Beaten Area for Qualification Training Range			8.87	585.42		
A1716	2011	67012	Qualification Training Range			16.70	868.40		
A1716	2011	67012	Beaten Area for Qualification Training Range			10.58	550.16		
A1717	2011	67012	Qualification Training Range					3.61	224.61
A1717	2011	67012	Beaten Area for Qualification Training Range					0.68	42.31
			TOTAL REMOVALS	**0.00**	**0.00**	**55.19**	**2,936.94**	**32.40**	**1,622.79**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**29.46**	**1,538.25**
Future Potential Habitat	**5.24**	**209.75**
SUB-TOTAL	**34.70**	**1,748.00**
non-contiguous habitat	**-2.33**	**-96.54**
TOTAL	**32.37**	**1,651.46**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine - Upland Hardwood
21 = Longleaf Pine
31 = Loblolly Pine

Stands A1706 and A1707 will be non-contiguous as a result of project impacts and cannot be counted towards the available habitat for the partition.

Table D-7. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1705	49.37	75	21	38.03	10.00	22.22	16.50	21.89	32.50	4.06	4.24	0.95	5.50	49.00	64.50	2	29	11	3	2	1	49.37	2,419.13				
A1710	40.90	75	31	16.04	5.00	8.44	5.50	0.43	0.50	7.81	8.01	3.91	11.50	6.00	22.50	2	50	57	3	2	0					40.90	245.40
A1712	2.24	75	21	70.22	14.29	0.00	0.00	0.00	0.00	7.79	2.29	0.00	1.43	0.00	15.71	2	29	100	3	2	0					2.24	0.00
A1713	2.07	74	26	73.92	19.00	8.97	5.50	0.00	0.00	2.82	2.09	0.00	1.50	5.50	26.00	1	35	19	3	2	0					2.07	11.39
A1714	14.41	91	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	1	14.41	951.06				
A1821	0.70	108	21	50.03	12.22	20.57	15.56	8.31	10.56	2.27	4.30	1.16	4.44	26.11	42.78	1	16	16	3	2	0					0.70	18.28
A1823	18.59	75	10	50.53	14.50	13.26	9.00	0.89	1.00	18.99	5.76	2.91	9.50	10.00	34.00	1	30	38	3	2	0					18.59	185.90
	128.28																					**63.78**	**3,370.19**	**0.00**	**0.00**	**64.50**	**460.97**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1714	2011	67012	Beaten Area for Qualification Training Range	0.16	10.56				
			TOTAL REMOVALS	**0.16**	**10.56**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**63.62**	**3,359.63**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**64.50**	**460.97**
TOTAL	**128.12**	**3,820.60**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine - Upland Hardwood
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Table D-8. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1705	49.37	75	21	38.03	10.00	22.22	16.50	21.89	32.50	4.06	4.24	0.95	5.50	49.00	64.50	2	29	11	3	2	4.42	PS			49.37	2,419.13		
A1710	40.90	75	31	16.04	5.00	8.44	5.50	0.43	0.50	7.81	8.01	3.91	11.50	6.00	22.50	2	50	57	3	2	2.76	NH					40.90	245.40
A1712	2.24	75	21	70.22	14.29	0.00	0.00	0.00	0.00	7.79	2.29	0.00	1.43	0.00	15.71	2	29	100	3	2	2.48	NH					2.24	0.00
A1713	2.07	74	26	73.92	19.00	8.97	5.50	0.00	0.00	2.82	2.09	0.00	1.50	5.50	26.00	1	35	19	3	2	3.11	PS					2.07	11.39
A1714	14.41	91	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	4.31	PS			14.41	951.06		
A1821	0.70	108	21	50.03	12.22	20.57	15.56	8.31	10.56	2.27	4.30	1.16	4.44	26.11	42.78	1	16	16	3	2	3.42	PS					0.70	18.28
A1823	18.59	75	10	50.53	14.50	13.26	9.00	0.89	1.00	18.99	5.76	2.91	9.50	10.00	34.00	1	30	38	3	2	2.58	NH					18.59	185.90
	128.28																						**0.00**	**0.00**	**63.78**	**3,370.19**	**64.50**	**460.97**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1714	2011	67012	Beaten Area for Qualification Training Range			0.16	10.56		
			TOTAL REMOVALS	**0.00**	**0.00**	**0.16**	**10.56**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**63.62**	**3,359.63**
Future Potential Habitat	**64.50**	**460.97**
TOTAL	**128.12**	**3,820.60**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine - Upland Hardwood
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Table D-9. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-03**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1716	51.37	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	51.37	2,671.24				
A1719	25.47	87	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	7	3	2	1	25.47	1,439.06				
A1725	20.29	40	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	0			20.29	1,014.50		
A1726	20.29	81	26	51.05	17.00	43.07	31.00	15.77	21.50	3.21	2.15	1.72	4.50	52.50	74.00	1	37	6	3	2	1	20.29	1,065.23				
	117.42																					**97.13**	**5,175.53**	**20.29**	**1,014.50**	**0.00**	**0.00**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1716	2011	67012	Qualification Training Range	22.10	1,149.20				
A1716	2011	67012	Beaten Area for Qualification Training Range	26.46	1,375.92				
A1719	2011	67012	Qualification Training Range	25.47	1,439.06				
A1725	2011	67012	Qualification Training Range			11.17	558.50		
A1725	2011	67012	Beaten Area for Qualification Training Range			3.64	182.00		
A1726	2011	67012	Qualification Training Range	20.28	1,064.70				
			TOTAL REMOVALS	**94.31**	**5,028.88**	**14.81**	**740.50**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**2.82**	**146.65**
Potentially Suitable Habitat	**5.48**	**274.00**
Future Potential Habitat	**0.00**	**0.00**
SUB-TOTAL	**8.30**	**420.65**
non-contiguous habitat	**-2.81**	**-146.12**
TOTAL	**5.49**	**274.53**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Table D-10. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-03**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1716	51.37	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.43	PS			51.37	2,671.24		
A1719	25.47	87	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	7	3	2	3.90	PS					25.47	1,439.06
A1725	20.29	40	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	3.52	PS					20.29	1,014.50
A1726	20.29	81	26	51.05	17.00	43.07	31.00	15.77	21.50	3.21	2.15	1.72	4.50	52.50	74.00	1	37	6	3	2	4.33	PS					20.29	1,065.23
	117.42																						**0.00**	**0.00**	**51.37**	**2,671.24**	**66.05**	**3,518.79**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1716	2011	67012	Qualification Training Range			22.10	1,149.20		
A1716	2011	67012	Beaten Area for Qualification Training Range			26.46	1,375.92		
A1719	2011	67012	Qualification Training Range					25.47	1,439.06
A1725	2011	67012	Qualification Training Range					11.17	558.50
A1725	2011	67012	Beaten Area for Qualification Training Range					3.64	182.00
A1726	2011	67012	Qualification Training Range					20.28	1,064.70
			TOTAL REMOVALS	**0.00**	**0.00**	**48.56**	**2,525.12**	**60.56**	**3,244.26**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**2.81**	**146.12**
Future Potential Habitat	**5.49**	**274.53**
SUB-TOTAL	**8.30**	**420.65**
non-contiguous habitat	**-2.81**	**-146.12**
TOTAL	**5.49**	**274.53**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Table D-11. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-04**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1407	6.73	80	21	27.73	7.00	17.92	14.00	17.00	22.50	5.52	1.63	0.50	1.50	36.50	45.00	1	39	6	3	2	0	6.73	245.65				
A1409	0.04	23	31P	6.23	3.00	44.57	32.00	9.65	12.00	0.00	0.00	0.00	0.00	44.00	47.00	1	15	0	3	2	0					0.04	1.76
A1410	5.21	38	25	129.64	32.22	35.80	24.44	7.14	8.89	0.00	0.00	0.00	0.00	33.33	65.56	1	38	0	3	2	0			5.21	173.65		
A1412	13.41	39	31	77.66	21.50	46.76	33.00	9.59	11.50	5.01	1.64	0.82	2.00	44.50	68.00	1	36	4	3	2	0			13.41	596.75		
A1614	2.08	44	25	29.46	10.00	48.86	33.33	13.05	18.33	0.00	2.27	2.78	6.67	51.67	68.33	1	50	8	3	2	1	2.08	107.47				
A1716	43.79	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	43.79	2,277.08				
A1719	3.43	87	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	7	3	2	1	3.43	193.80				
A1725	10.46	40	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	0			10.46	523.00		
A1726	95.53	81	26	51.05	17.00	43.07	31.00	15.77	21.50	3.21	2.15	1.72	4.50	52.50	74.00	1	37	6	3	2	1	95.53	5,015.33				
A1728	42.48	51	21	69.42	21.00	27.77	21.50	29.91	43.00	0.00	1.77	1.34	3.00	64.50	88.50	2	38	5	3	2	0			42.48	2,739.96		
A1729	4.39	82	31	19.94	6.25	11.54	7.50	13.92	26.25	0.00	0.00	0.00	0.00	33.75	40.00	2	61	0	3	2	0	4.39	148.16				
pp659	3.65	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.65	0.00
	231.20																					**155.95**	**7,987.49**	**71.56**	**4,033.36**	**3.69**	**1.76**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1719	2011	67012	Qualification Training Range - QTR	3.09	174.59				
A1726	2011	67012	Qualification Training Range - QTR	13.23	694.58				
			TOTAL REMOVALS	**16.32**	**869.17**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT

	2011 Acres	2011 BA
Suitable Habitat	**139.63**	**7,118.32**
Potentially Suitable Habitat	**71.56**	**4,033.36**
Future Potential Habitat	**3.69**	**1.76**
TOTAL	**214.88**	**11,153.44**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-12. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-04**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1407	6.73	80	21	27.73	7.00	17.92	14.00	17.00	22.50	5.52	1.63	0.50	1.50	36.50	45.00	1	39	6	3	2	4.36	PS					6.73	245.65
A1409	0.04	23	31P	6.23	3.00	44.57	32.00	9.65	12.00	0.00	0.00	0.00	0.00	44.00	47.00	1	15	0	3	2	3.24	NH					0.04	1.76
A1410	5.21	38	25	129.64	32.22	35.80	24.44	7.14	8.89	0.00	0.00	0.00	0.00	33.33	65.56	1	38	0	3	2	3.09	PS					5.21	173.65
A1412	13.41	39	31	77.66	21.50	46.76	33.00	9.59	11.50	5.01	1.64	0.82	2.00	44.50	68.00	1	36	4	3	2	3.48	PS					13.41	596.75
A1614	2.08	44	25	29.46	10.00	48.86	33.33	13.05	18.33	0.00	2.27	2.78	6.67	51.67	68.33	1	50	8	3	2	4.07	PS					2.08	107.47
A1716	43.79	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.43	PS			43.79	2,277.08		
A1719	3.43	87	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	7	3	2	3.90	PS					3.43	193.80
A1725	10.46	40	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	3.52	PS					10.46	523.00
A1726	95.53	81	26	51.05	17.00	43.07	31.00	15.77	21.50	3.21	2.15	1.72	4.50	52.50	74.00	1	37	6	3	2	4.33	PS					95.53	5,015.33
A1728	42.48	51	21	69.42	21.00	27.77	21.50	29.91	43.00	0.00	1.77	1.34	3.00	64.50	88.50	2	38	5	3	2	4.34	PS					42.48	2,739.96
A1729	4.39	82	31	19.94	6.25	11.54	7.50	13.92	26.25	0.00	0.00	0.00	0.00	33.75	40.00	2	61	0	3	2	4.43	PS					4.39	148.16
pp659*	3.65	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.65	0.00
	231.20																						**0.00**	**0.00**	**43.79**	**2,277.08**	**187.41**	**9,745.53**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1719	2011	67012	Qualification Training Range - QTR			3.09	174.59		
A1726	2011	67012	Qualification Training Range - QTR					13.23	694.58
			TOTAL REMOVALS	**0.00**	**0.00**	**3.09**	**174.59**	**13.23**	**694.58**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**40.70**	**2,102.49**
Future Potential Habitat	**174.18**	**9,050.95**
TOTAL	**214.88**	**11,153.44**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-13. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-05**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable/ Potentially Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1502	13.08	74	31	22.05	5.50	12.34	9.00	13.04	23.50	5.92	1.71	1.53	3.50	32.50	41.50	1	44	11	3	1	0	13.08	425.10				
A1601	5.35	57	31	6.78	2.50	14.87	11.50	14.54	21.50	4.03	3.38	3.85	9.50	33.00	45.00	1	26	20	3	2	0	5.35	176.55				
A1602	4.15	29	32	56.60	17.00	9.06	6.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	23.00	1	54	0	3	2	0					4.15	24.90
A1704	83.96	82	26	39.00	11.50	21.65	14.50	18.67	30.50	10.36	3.68	0.67	3.50	45.00	60.00	1	47	10	3	2	1	83.96	3,778.20				
A1709	16.36	41	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	0			16.36	867.08		
	122.90																					**102.39**	**4,379.85**	**16.36**	**867.08**	**4.15**	**24.90**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1601	2011	67012	Beaten Area for Qualification Training Range - QTR	1.38	45.54				
			TOTAL REMOVALS	**1.38**	**45.54**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**101.01**	**4,334.31**
Potentially Suitable Habitat	**16.36**	**867.08**
Future Potential Habitat	**4.15**	**24.90**
TOTAL	**121.52**	**5,226.29**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
32 = Shortleaf Pine

Table D-14. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-05**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1502	13.08	74	31	22.05	5.50	12.34	9.00	13.04	23.50	5.92	1.71	1.53	3.50	32.50	41.50	1	44	11	3	1	4.27	PS					13.08	425.10
A1601	5.35	57	31	6.78	2.50	14.87	11.50	14.54	21.50	4.03	3.38	3.85	9.50	33.00	45.00	1	26	20	3	2	4.14	PS					5.35	176.55
A1602	4.15	29	32	56.60	17.00	9.06	6.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	23.00	1	54	0	3	2	2.66	NH					4.15	24.90
A1704	83.96	82	26	39.00	11.50	21.65	14.50	18.67	30.50	10.36	3.68	0.67	3.50	45.00	60.00	1	47	10	3	2	4.62	CS	83.96	3,778.20				
A1709	16.36	41	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	4.18	PS					16.36	867.08
	122.90																						**83.96**	**3,778.20**	**0.00**	**0.00**	**38.94**	**1,493.63**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1601	2011	67012	Beaten Area for Qualification Training Range - QTR					1.38	45.54
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**1.38**	**45.54**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**83.96**	**3,778.20**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**37.56**	**1,448.09**
TOTAL	**121.52**	**5,226.29**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
32 = Shortleaf Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Table D-15. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-07**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1704	71.64	82	26	39.00	11.50	21.65	14.50	18.67	30.50	10.36	3.68	0.67	3.50	45.00	60.00	1	47	10	3	2	1	71.64	3,223.80				
A1706	6.75	41	31	68.89	19.50	31.04	21.50	11.87	17.00	9.25	4.51	1.93	6.00	38.50	64.00	5	29	13	3	2	0			6.75	259.88		
A1707	4.87	41	31	94.25	25.79	63.39	44.21	15.10	20.53	26.90	6.17	1.72	7.89	64.74	98.42	1	19	9	3	2	0			4.87	315.28		
A1709	5.68	41	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	0			5.68	301.04		
	88.94																					**71.64**	**3,223.80**	**17.30**	**876.20**	**0.00**	**0.00**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1704	2011	67012	Beaten Area for Qualification Training Range - QTR	6.10	274.50				
A1707	2011	67012	Beaten Area for Qualification Training Range - QTR			3.10	200.69		
A1709	2011	67012	Beaten Area for Qualification Training Range - QTR			4.16	220.48		
			TOTAL REMOVALS	**6.10**	**274.50**	**7.26**	**421.17**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**65.54**	**2,949.30**
Potentially Suitable Habitat	**10.04**	**455.03**
Future Potential Habitat	**0.00**	**0.00**
TOTAL	**75.58**	**3,404.33**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Table D-16. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-07**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1704	71.64	82	26	39.00	11.50	21.65	14.50	18.67	30.50	10.36	3.68	0.67	3.50	45.00	60.00	1	47	10	3	2	4.62	CS	71.64	3,223.80				
A1706	6.75	41	31	68.89	19.50	31.04	21.50	11.87	17.00	9.25	4.51	1.93	6.00	38.50	64.00	5	29	13	3	2	3.38	PS					6.75	259.88
A1707	4.87	41	31	94.25	25.79	63.39	44.21	15.10	20.53	26.90	6.17	1.72	7.89	64.74	98.42	1	19	9	3	2	3.79	PS					4.87	315.28
A1709	5.68	41	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	4.18	PS					5.68	301.04
	88.94																						**71.64**	**3,223.80**	**0.00**	**0.00**	**17.30**	**876.20**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1704	2011	67012	Beaten Area for Qualification Training Range - QTR	6.10	274.50				
A1707	2011	67012	Beaten Area for Qualification Training Range - QTR					3.10	200.69
A1709	2011	67012	Beaten Area for Qualification Training Range - QTR					4.16	220.48
			TOTAL REMOVALS	**6.10**	**274.50**	**0.00**	**0.00**	**7.26**	**421.17**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**65.54**	**2,949.30**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**10.04**	**455.03**
TOTAL	**75.58**	**3,404.33**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Table D-17. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-08**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1710	5.69	75	31	16.04	5.00	8.44	5.50	0.43	0.50	7.81	8.01	3.91	11.50	6.00	22.50	2	50	57	3	2	0					5.69	34.14
A1713	12.07	74	26	73.92	19.00	8.97	5.50	0.00	0.00	2.82	2.09	0.00	1.50	5.50	26.00	1	35	19	3	2	0					12.07	66.39
A1714	78.70	91	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	1	78.70	5,194.20				
A1716	18.77	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	18.77	976.04				
A1723	14.46	80	21	36.38	12.50	34.06	25.00	29.27	41.00	2.69	0.71	0.19	1.00	66.00	79.50	2	33	1	3	2	1	14.46	954.36				
	129.69																					**111.93**	**7,124.60**	**0.00**	**0.00**	**17.76**	**100.53**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1716	2011	67012	Beaten Area for Qualification Training Range - QTR	1.23	63.96				
			TOTAL REMOVALS	**1.23**	**63.96**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**110.70**	**7,060.64**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**17.76**	**100.53**
TOTAL	**37.18**	**7,161.17**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

Table D-18. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-08**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1710	5.69	75	31	16.04	5.00	8.44	5.50	0.43	0.50	7.81	8.01	3.91	11.50	6.00	22.50	2	50	57	3	2	2.76	NH					5.69	34.14
A1713	12.07	74	26	73.92	19.00	8.97	5.50	0.00	0.00	2.82	2.09	0.00	1.50	5.50	26.00	1	35	19	3	2	3.11	PS					12.07	66.39
A1714	78.70	91	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	4.31	PS			78.70	5,194.20		
A1716	18.77	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.43	PS			18.77	976.04		
A1723	14.46	80	21	36.38	12.50	34.06	25.00	29.27	41.00	2.69	0.71	0.19	1.00	66.00	79.50	2	33	1	3	2	4.52	CS	14.46	954.36				
	129.69																						**14.46**	**954.36**	**97.47**	**6,170.24**	**17.76**	**100.53**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1716	2011	67012	Beaten Area for Qualification Training Range - QTR			1.23	63.96		
			TOTAL REMOVALS	**0.00**	**0.00**	**1.23**	**63.96**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**14.46**	**954.36**
Potentially Suitable Habitat	**96.24**	**6,106.28**
Future Potential Habitat	**17.76**	**100.53**
TOTAL	**37.18**	**7,161.17**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Table D-19. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-13**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1716	80.89	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	80.89	4,206.28				
A1725	24.45	40	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	0			24.45	1,222.50		
	105.34																					**80.89**	**4,206.28**	**24.45**	**1,222.50**	**0.00**	**0.00**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1716	2011	67012	Beaten Area for Qualification Training Range - QTR	2.92	151.84				
			TOTAL REMOVALS	**2.92**	**151.84**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**77.97**	**4,054.44**
Potentially Suitable Habitat	**24.45**	**1,222.50**
Future Potential Habitat	**0.00**	**0.00**
TOTAL	**102.42**	**5,276.94**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Forest Type:
21 = Longleaf Pine
31 = Loblolly Pine

Table D-20. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-13**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1716	80.89	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.43	PS			80.89	4,206.28		
A1725	24.45	40	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	3.52	PS					24.45	1,222.50
	105.34																						**0.00**	**0.00**	**80.89**	**4,206.28**	**24.45**	**1,222.50**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1716	2011	67012	Beaten Area for Qualification Training Range - QTR			2.92	151.84		
			TOTAL REMOVALS	**0.00**	**0.00**	**2.92**	**151.84**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**77.97**	**4,054.44**
Future Potential Habitat	**24.45**	**1,222.50**
TOTAL	**102.42**	**5,276.94**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Table D-21. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-14**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1601	4.82	57	31	6.78	2.50	14.87	11.50	14.54	21.50	4.03	3.38	3.85	9.50	33.00	45.00	1	26	20	3	2	0	4.82	159.06				
A1602	13.25	29	32	56.60	17.00	9.06	6.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	23.00	1	54	0	3	2	0					13.25	79.50
A1709	4.98	41	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	0			4.98	263.94		
A1716	6.62	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	6.62	344.24				
A1717	5.01	76	10	97.34	28.89	59.53	41.11	17.28	21.11	19.22	0.00	1.89	4.44	62.22	95.56	1	33	0	3	2	0			5.01	311.72		
A1719	102.72	87	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	0	3	2	1	102.72	5,803.68				
	137.40																					**114.16**	**6,306.98**	**9.99**	**575.66**	**13.25**	**79.50**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1601	2011	67012	Beaten Area	4.71	155.43				
A1602	2011	67012	Beaten Area					7.49	44.94
A1709	2011	67012	Qualification Training Range-QTR			2.79	147.87		
A1716	2011	67012	Qualification Training Range-QTR	6.62	344.24				
A1717	2011	67012	Qualification Training Range-QTR			2.04	126.93		
A1717	2011	67012	Beaten Area			2.94	182.93		
A1719	2011	67012	Qualification Training Range-QTR	74.70	4,220.55				
A1719	2011	67012	Beaten Area	21.03	1,188.20				
			TOTAL REMOVALS	**107.06**	**5,908.42**	**7.77**	**457.73**	**7.49**	**44.94**

POST-PROJECT

	2011	
	Acres	**BA**
Suitable Habitat	**7.10**	**398.56**
Potentially Suitable Habitat	**2.22**	**117.93**
Future Potential Habitat	**5.76**	**34.56**
SUB-TOTAL	**15.08**	**551.05**
non-contiguous habitat	**-3.77**	**-201.63**
GRAND TOTAL	**11.31**	**349.42**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
31 = Loblolly Pine
32 = Shortleaf Pine

Stands A1601, A1709 and A1719 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-22. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-14**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1601	4.82	57	31	6.78	2.50	14.87	11.50	14.54	21.50	4.03	3.38	3.85	9.50	33.00	45.00	1	26	20	3	2	4.14	PS					4.82	159.06
A1602	13.25	29	32	56.60	17.00	9.06	6.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	23.00	1	54	0	3	2	2.66	NH					13.25	79.50
A1709	4.98	41	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	4.18	PS					4.98	263.94
A1716	6.62	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.43	PS			6.62	344.24		
A1717	5.01	76	10	97.34	28.89	59.53	41.11	17.28	21.11	19.22	0.00	1.89	4.44	62.22	95.56	1	33	0	3	2	4.27	PS					5.01	311.72
A1719	102.72	87	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	0	3	2	3.90	PS					102.72	5,803.68
	137.40																						**0.00**	**0.00**	**6.62**	**344.24**	**130.78**	**6,617.90**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1601	2011	67012	Beaten Area					4.71	155.43
A1602	2011	67012	Beaten Area					7.49	44.94
A1709	2011	67012	Qualification Training Range-QTR					2.79	147.87
A1716	2011	67012	Qualification Training Range-QTR			6.62	344.24		
A1717	2011	67012	Qualification Training Range-QTR					2.04	126.93
A1717	2011	67012	Beaten Area					2.94	182.93
A1719	2011	67012	Qualification Training Range-QTR					74.70	4,220.55
A1719	2011	67012	Beaten Area					21.03	1,188.20
			TOTAL REMOVALS	**0.00**	**0.00**	**6.62**	**344.24**	**115.70**	**6,066.85**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**15.08**	**551.05**
SUB-TOTAL	**15.08**	**551.05**
non-contiguous habitat	**-3.77**	**-201.63**
GRAND TOTAL	**11.31**	**349.42**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
31 = Loblolly Pine
32 = Shortleaf Pine

Stands A1601, A1709 and A1719 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-23. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **BB03-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
BB0301	0.23	55	10	16.97	5.56	7.61	5.56	9.17	13.89	31.56	18.43	8.28	26.11	19.44	51.11	6	21	61	3	1	0					0.00	0.00
BB0307	1.13	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
BB0311	21.27	19	31P	87.02	26.50	6.96	4.00	0.47	0.50	6.88	0.71	0.00	0.50	4.50	31.50	4	30	9	3	1	0					21.27	95.72
BB0315	2.55	84	13	10.31	3.33	3.91	3.33	27.01	43.33	58.47	21.68	6.73	26.67	46.67	76.67	7	3	48	3	1	0			2.55	119.01		
BB0317	13.94	88	31	4.23	1.33	0.88	0.67	14.95	28.00	11.22	12.58	3.76	16.00	28.67	46.00	6	9	51	3	2	0					13.94	399.66
BB0318	24.91	78	13	4.59	1.00	3.19	2.00	13.38	27.00	34.84	10.96	7.03	20.00	29.00	50.00	2	8	52	3	1	0					24.91	722.39
BB0320	11.96	84	31	5.72	2.00	0.54	0.50	12.82	23.50	8.35	1.70	1.16	3.00	24.00	29.00	3	30	18	3	2	0					11.96	287.04
BB0321	19.03	88	21	6.13	2.50	16.85	12.50	15.77	22.00	3.61	0.00	0.40	1.00	34.50	38.00	1	20	1	3	2	0	19.03	656.54				
BB0323	10.04	63	66**	26.79	8.00	5.04	3.50	5.17	7.00	39.89	15.98	4.94	18.50	10.50	37.00	5	14	67	3	1	0					0.00	0.00
BB0327	11.46	63	31	26.66	7.50	22.77	17.00	8.52	10.00	6.71	0.00	0.61	1.00	27.00	35.50	5	38	2	3	2	0					11.46	309.42
BB0330	1.84	61	13	0.00	0.00	5.18	5.00	23.98	45.00	122.03	0.00	0.00	0.00	50.00	50.00	7	0	0	3	2	0			1.84	92.00		
BB0331	12.51	88	21	12.26	4.00	20.19	15.00	10.86	14.50	17.52	4.93	3.19	8.50	29.50	42.00	1	14	21	3	2	0					12.51	369.05
BB0333	9.09	65	26	43.21	13.33	18.63	12.22	7.87	10.00	8.36	7.60	7.40	15.56	22.22	51.11	1	39	36	3	2	0					9.09	201.98
BB0336	3.31	36	22U	14.41	5.00	16.17	10.50	0.94	1.00	0.00	0.00	0.00	0.00	11.50	16.50	1	40	0	3	2	0					3.31	38.07
BB0337	2.20	61	31	0.00	0.00	61.71	43.33	8.27	10.00	0.00	0.00	0.00	0.00	53.33	53.33	6	13	0	3	2	0			2.20	117.33		
BB0401	2.10	60	25	55.22	15.71	26.68	18.57	11.35	17.14	6.72	15.08	2.47	15.71	35.71	67.14	2	23	32	3	1	0	2.10	74.99				
BB0405	4.03	57	31	119.67	27.50	33.07	25.00	11.31	20.00	5.19	13.48	6.36	15.00	45.00	87.50	1	8	31	3	1	0			4.03	181.35		
BB0407	6.08	52	31	3.06	1.00	11.62	7.50	20.50	41.00	66.27	23.12	4.18	21.00	48.50	70.50	7	11	46	3	1	0			6.08	294.88		
BB0411	4.93	60	31	107.60	27.14	26.22	17.14	0.00	0.00	14.99	2.29	1.30	2.86	17.14	47.14	1	20	12	3	1	0					4.93	84.50
BB0419	1.15	57	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	0	1.15	45.39				
BB0422	0.86	60	21	44.10	11.50	18.46	12.50	13.12	18.50	22.91	4.61	1.73	5.00	31.00	47.50	1	25	17	3	1	0	0.86	26.66				
BB0424	4.48	67	26	42.00	13.00	22.44	16.00	21.17	32.50	6.39	2.96	1.83	4.50	48.50	66.00	2	15	10	3	1	1	4.48	217.28				
BB0425	2.44	48	22P	88.51	26.00	26.97	18.00	2.93	4.00	13.37	2.04	0.00	1.50	22.00	49.50	2	12	6	3	1	0					2.44	53.68
P0314	33.59	52	10	22.03	5.63	21.47	15.00	17.33	25.63	51.26	11.00	5.94	15.63	40.63	61.88	7	8	30	3	2	0			33.59	1,364.76		
P0317	0.20	19	31P	185.79	60.00	28.39	17.14	0.00	0.00	16.60	0.00	0.00	0.00	17.14	77.14	5	19	0	3	2	0					0.20	3.43
P0320	12.04	19	31P	201.40	53.00	8.36	5.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	58.00	1	16	0	3	2	0					12.04	60.20
pp532*	0.29	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.29	0.00
pp756*	0.24	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp757*	15.62	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					15.62	0.00
pp879*	8.67	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp880*	2.67	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
	244.86																					**27.62**	**1,020.86**	**50.29**	**2,169.33**	**143.97**	**2,625.14**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable/ Potentially Suitable Acreage Removed	Suitable/ Potentially Suitable BA Removed	Suitable/ Potentially Suitable Acreage Removed	Suitable/ Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
BB0327	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					5.02	135.54
BB0331	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					3.09	91.16
BB0333	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					8.44	187.54
			2007 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**16.55**	**414.24**
BB0331	2012	64790	Battle Command Training Center					1.20	35.40
			2012 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**1.20**	**35.40**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**17.75**	**449.64**

POST-PROJECT

	2007 Acres	2007 BA	2012 Acres	2012 BA
Suitable Habitat	**27.62**	**1,020.86**	**27.62**	**1,020.86**
Potentially Suitable Habitat	**50.29**	**2,169.33**	**16.70**	**804.57**
Future Potential Habitat	**127.42**	**2,210.90**	**106.89**	**1,923.55**
SUB-TOTAL	**205.33**	**5,401.09**	**151.21**	**3,748.98**
non-contiguous habitat	**-52.92**	**-1,616.71**	**-0.00**	**-0.00**
GRAND TOTAL	**152.41**	**3,784.38**	**151.21**	**3,748.98**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21p = Longleaf Pine Plantation
22P - Slash Pine Plantation
22U = Slash Pine Underplanted
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
66** = Oak-Hickory (managed for hardwoods)
NM - not managed

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stands BB0323, BB0327, BB0333, PO314, PO317 and P0320 will be non-contiguous as a result of project impacts because the stand that would connect them to the rest of the partition's foraging habitat is < 30 years old and is not considered habitat at this time. As a result, this habitat cannot be counted toward the available foraging habitat for the partition.

Table D-24. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **BB03-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
BB0301	0.23	55	10	16.97	5.56	7.61	5.56	9.17	13.89	31.56	18.43	8.28	26.11	19.44	51.11	6	21	61	3	1	3.03	PS					0.00	0.00
BB0307	1.13	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.00	0.00
BB0311	21.27	19	31P	87.02	26.50	6.96	4.00	0.47	0.50	6.88	0.71	0.00	0.50	4.50	31.50	4	30	9	3	1	2.27	NH					21.27	95.72
BB0315	2.55	84	13	10.31	3.33	3.91	3.33	27.01	43.33	58.47	21.68	6.73	26.67	46.67	76.67	7	3	48	3	1	3.79	PS			2.55	119.01		
BB0317	13.94	88	31	4.23	1.33	0.88	0.67	14.95	28.00	11.22	12.58	3.76	16.00	28.67	46.00	6	9	51	3	2	3.80	PS					13.94	399.66
BB0318	24.91	78	13	4.59	1.00	3.19	2.00	13.38	27.00	34.84	10.96	7.03	20.00	29.00	50.00	2	8	52	3	1	3.88	PS					24.91	722.39
BB0320	11.96	84	31	5.72	2.00	0.54	0.50	12.82	23.50	8.35	1.70	1.16	3.00	24.00	29.00	3	30	18	3	2	4.03	PS					11.96	287.04
BB0321	19.03	88	21	6.13	2.50	16.85	12.50	15.77	22.00	3.61	0.00	0.40	1.00	34.50	38.00	1	20	1	3	2	4.18	PS					19.03	656.54
BB0323	10.04	63	66**	26.79	8.00	5.04	3.50	5.17	7.00	39.89	15.98	4.94	18.50	10.50	37.00	5	14	67	3	1	2.90	PS					0.00	0.00
BB0327	11.46	63	31	26.66	7.50	22.77	17.00	8.52	10.00	6.71	0.00	0.61	1.00	27.00	35.50	5	38	2	3	2	3.49	PS					11.46	309.42
BB0330	1.84	61	13	0.00	0.00	5.18	5.00	23.98	45.00	122.03	0.00	0.00	0.00	50.00	50.00	7	0	0	3	2	3.94	PS			1.84	92.00		
BB0331	12.51	88	21	12.26	4.00	20.19	15.00	10.86	14.50	17.52	4.93	3.19	8.50	29.50	42.00	1	14	21	3	2	3.70	PS					12.51	369.05
BB0333	9.09	65	26	43.21	13.33	18.63	12.22	7.87	10.00	8.36	7.60	7.40	15.56	22.22	51.11	1	39	36	3	2	3.34	PS					9.09	201.98
BB0336	3.31	36	22U	14.41	5.00	16.17	10.50	0.94	1.00	0.00	0.00	0.00	0.00	11.50	16.50	1	40	0	3	2	2.80	PS					3.31	38.07
BB0337	2.20	61	31	0.00	0.00	61.71	43.33	8.27	10.00	0.00	0.00	0.00	0.00	53.33	53.33	6	13	0	3	2	3.10	PS					2.20	117.33
BB0401	2.10	60	25	55.22	15.71	26.68	18.57	11.35	17.14	6.72	15.08	2.47	15.71	35.71	67.14	2	23	32	3	1	3.76	PS					2.10	74.99
BB0405	4.03	57	31	119.67	27.50	33.07	25.00	11.31	20.00	5.19	13.48	6.36	15.00	45.00	87.50	1	8	31	3	1	3.56	PS					4.03	181.35
BB0407	6.08	52	31	3.06	1.00	11.62	7.50	20.50	41.00	66.27	23.12	4.18	21.00	48.50	70.50	7	11	46	3	1	3.75	PS					6.08	294.88
BB0411	4.93	60	31	107.60	27.14	26.22	17.14	0.00	0.00	14.99	2.29	1.30	2.86	17.14	47.14	1	20	12	3	1	2.84	PS					4.93	84.50
BB0419	1.15	57	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	3.56	PS					1.15	45.39
BB0422	0.86	60	21	44.10	11.50	18.46	12.50	13.12	18.50	22.91	4.61	1.73	5.00	31.00	47.50	1	25	17	3	1	3.86	PS					0.86	26.66
BB0424	4.48	67	26	42.00	13.00	22.44	16.00	21.17	32.50	6.39	2.96	1.83	4.50	48.50	66.00	2	15	10	3	1	4.15	PS			4.48	217.28		
BB0425	2.44	48	22P	88.51	26.00	26.97	18.00	2.93	4.00	13.37	2.04	0.00	1.50	22.00	49.50	2	12	6	3	1	2.51	PS					2.44	53.68
P0314	33.59	52	10	22.03	5.63	21.47	15.00	17.33	25.63	51.26	11.00	5.94	15.63	40.63	61.88	7	8	30	3	2	3.64	PS					33.59	1,364.76
P0317	0.20	19	31P	185.79	60.00	28.39	17.14	0.00	0.00	16.60	0.00	0.00	0.00	17.14	77.14	5	19	0	3	2	2.08	NH					0.20	3.43
P0320	12.04	19	31P	201.40	53.00	8.36	5.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	58.00	1	16	0	3	2	2.31	NH					12.04	60.20
pp5328	0.29	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.29	0.00
pp756*	0.24	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp757*	15.62	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					15.62	0.00
pp879*	8.67	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp880*	2.67	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
	244.86																						**0.00**	**0.00**	**8.87**	**428.29**	**213.01**	**5,387.04**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable/ Potentially Suitable Acreage Removed	Suitable/ Potentially Suitable BA Removed	Suitable/ Potentially Suitable Acreage Removed	Suitable/ Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
BB0327	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					5.02	135.54
BB0331	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					3.09	91.16
BB0333	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					8.44	187.54
			2007 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**16.55**	**414.24**
BB0331	2012	64790	Battle Command Training Center					1.20	35.40
			2012 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**1.20**	**35.40**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**17.75**	**449.64**

POST-PROJECT	**2007**		**2012**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**8.87**	**428.29**	**8.87**	**428.29**
Future Potential Habitat	**196.46**	**4,972.80**	**142.34**	**3,320.69**
SUB-TOTAL	**205.33**	**5,401.09**	**151.21**	**3,748.98**
non-contiguous habitat	**-52.92**	**-1,616.71**	**-0.00**	**-0.00**
GRAND TOTAL	**152.41**	**3,784.38**	**151.21**	**3,748.98**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21p = Longleaf Pine Plantation
22P - Slash Pine Plantation
22U = Slash Pine Underplanted
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
66** = Oak-Hickory (managed for hardwoods)
NM - not managed

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stands BB0323, BB0327, BB0333, PO314, PO317 and P0320 will be non-contiguous as a result of project impacts because the stand that would connect them to the rest of the partition's foraging habitat is < 30 years old and is not considered habitat at this time. As a result, this habitat cannot be counted toward the available foraging habitat for the partition.

Table D-25. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **BB04-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0613	21.03	56	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	1	21.03	967.38				
BB0336	3.40	36	22U	14.41	5.00	16.17	10.50	0.94	1.00	0.00	0.00	0.00	0.00	11.50	16.50	1	40	0	3	2	0					3.40	39.10
BB0337	0.03	61	31	0.00	0.00	61.71	43.33	8.27	10.00	0.00	0.00	0.00	0.00	53.33	53.33	6	13	0	3	2	0			0.03	1.60		
BB0407	1.36	52	31	3.06	1.00	11.62	7.50	20.50	41.00	66.27	23.12	4.18	21.00	48.50	70.50	7	11	46	3	1	0			1.36	65.96		
BB0411	2.15	60	31	107.60	27.14	26.22	17.14	0.00	0.00	14.99	2.29	1.30	2.86	17.14	47.14	1	20	12	3	1	0					2.15	36.85
BB0419	22.96	57	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	0	22.96	906.23				
BB0422	15.15	60	21	44.10	11.50	18.46	12.50	13.12	18.50	22.91	4.61	1.73	5.00	31.00	47.50	1	25	17	3	1	0	15.15	469.65				
BB0424	13.65	67	26	42.00	13.00	22.44	16.00	21.17	32.50	6.39	2.96	1.83	4.50	48.50	66.00	2	15	10	3	1	1	13.65	662.03				
BB0425	11.77	48	22P	88.51	26.00	26.97	18.00	2.93	4.00	13.37	2.04	0.00	1.50	22.00	49.50	2	12	6	3	1	0					11.77	258.94
BB0433	0.13	43	26	3.86	1.67	1.84	1.67	23.26	55.00	0.00	0.00	0.00	0.00	56.67	58.33	1	55	0	3	1	1	0.13	7.37				
BB0434	3.32	43	26P	71.25	15.00	71.90	52.50	34.21	50.00	17.85	0.00	0.00	0.00	102.50	117.50	1	15	0	3	1	0			3.32	340.30		
BB0435	6.72	43	10	116.62	35.00	23.49	16.67	6.82	10.00	21.54	2.31	1.98	5.00	26.67	66.67	5	10	12	3	1	0					6.72	179.22
BB0436	10.92	82	31	41.95	11.00	14.02	10.50	11.27	19.00	8.80	6.18	7.56	17.00	29.50	57.50	1	11	35	3	1	0					10.92	322.14
BB0437	10.85	82	21	10.48	2.50	7.20	5.50	23.02	37.00	4.49	2.44	0.83	2.50	42.50	47.50	1	26	10	3	1	1	10.85	461.13				
BB0439	10.88	67	26	24.41	7.00	18.76	12.50	18.21	27.00	17.27	4.23	3.31	8.00	39.50	54.50	1	20	17	3	1	0	10.88	429.76				
BB0441	5.11	43	25	81.84	26.00	94.35	68.00	36.61	52.00	0.00	0.00	0.00	0.00	120.00	146.00	1	14	0	3	1	0			5.11	613.20		
BB0442	29.25	58	26	40.10	11.50	22.87	16.50	13.42	19.50	6.01	0.58	3.50	7.00	36.00	54.50	1	13	10	3	1	0	29.25	1,053.00				
BB0443	2.45	58	22P	114.97	40.00	132.51	85.00	0.00	0.00	0.00	0.00	0.00	0.00	85.00	125.00	1	25	0	3	1	0			2.45	208.25		
HCC10	0.64	76	21	8.69	2.00	11.19	8.00	12.45	19.50	8.63	0.00	1.05	2.00	27.50	31.50	6	31	4	3	1	0					0.00	0.00
pp310*	10.76	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					10.76	0.00
pp533*	0.35	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.35	0.00
	182.88																					**123.90**	**4,956.55**	**12.27**	**1,229.31**	**46.07**	**836.25**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0613	2008	65439	Road Improvements	5.03	231.38				
BB0419	2008	65322	General Instruction Building Complex	3.08	121.57				
BB0422	2008	65322	General Instruction Building Complex	0.15	4.65				
BB0433	2008	65322	General Instruction Building Complex	0.13	7.37				
BB0434	2008	65322	General Instruction Building Complex			2.17	222.43		
BB0435	2008	65322	General Instruction Building Complex					2.57	68.54
BB0439	2008	65439	Road Improvements	0.08	3.16				
BB0441	2008	65322	General Instruction Building Complex			3.43	411.60		
BB0442	2008	65439	Road Improvements	2.27	81.72				
pp310*	2008	65322	General Instruction Building Complex					10.00	0.00
			TOTAL REMOVALS	**10.74**	**449.85**	**5.60**	**634.03**	**12.57**	**68.54**

POST-PROJECT	**2008**	
	Acres	**BA**
Suitable Habitat	**113.16**	**4,506.70**
Potentially Suitable Habitat	**6.67**	**595.29**
Future Potential Habitat	**33.50**	**767.71**
TOTAL	**153.33**	**5,869.69**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
22U = Slash Pine Underplanted
25 = Mixed Pine
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-26. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **BB04-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0613	21.03	56	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	3.61	PS					21.03	967.38
BB0336	3.40	36	22U	14.41	5.00	16.17	10.50	0.94	1.00	0.00	0.00	0.00	0.00	11.50	16.50	1	40	0	3	2	2.80	PS					3.40	39.10
BB0337	0.03	61	31	0.00	0.00	61.71	43.33	8.27	10.00	0.00	0.00	0.00	0.00	53.33	53.33	6	13	0	3	2	3.10	PS					0.03	1.60
BB0407	1.36	52	31	3.06	1.00	11.62	7.50	20.50	41.00	66.27	23.12	4.18	21.00	48.50	70.50	7	11	46	3	1	3.75	PS					1.36	65.96
BB0411	2.15	60	31	107.60	27.14	26.22	17.14	0.00	0.00	14.99	2.29	1.30	2.86	17.14	47.14	1	20	12	3	1	2.70	PS					2.15	36.85
BB0419	22.96	57	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	3.56	PS					22.96	906.23
BB0422	15.15	60	21	44.10	11.50	18.46	12.50	13.12	18.50	22.91	4.61	1.73	5.00	31.00	47.50	1	25	17	3	1	3.72	PS					15.15	469.65
BB0424	13.65	67	26	42.00	13.00	22.44	16.00	21.17	32.50	6.39	2.96	1.83	4.50	48.50	66.00	2	15	10	3	1	4.15	PS			13.65	662.03		
BB0425	11.77	48	22P	88.51	26.00	26.97	18.00	2.93	4.00	13.37	2.04	0.00	1.50	22.00	49.50	2	12	6	3	1	2.51	PS					11.77	258.94
BB0433	0.13	43	26	3.86	1.67	1.84	1.67	23.26	55.00	0.00	0.00	0.00	0.00	56.67	58.33	1	55	0	3	1	4.26	PS					0.13	7.37
BB0434	3.32	43	26P	71.25	15.00	71.90	52.50	34.21	50.00	17.85	0.00	0.00	0.00	102.50	117.50	1	15	0	3	1	3.76	PS					3.32	340.30
BB0435	6.72	43	10	116.62	35.00	23.49	16.67	6.82	10.00	21.54	2.31	1.98	5.00	26.67	66.67	5	10	12	3	1	2.69	PS					6.72	179.22
BB0436	10.92	82	31	41.95	11.00	14.02	10.50	11.27	19.00	8.80	6.18	7.56	17.00	29.50	57.50	1	11	35	3	1	3.61	PS					10.92	322.14
BB0437	10.85	82	21	10.48	2.50	7.20	5.50	23.02	37.00	4.49	2.44	0.83	2.50	42.50	47.50	1	26	10	3	1	4.33	PS			10.85	461.13		
BB0439	10.88	67	26	24.41	7.00	18.76	12.50	18.21	27.00	17.27	4.23	3.31	8.00	39.50	54.50	1	20	17	3	1	4.17	PS					10.88	429.76
BB0441	5.11	43	25	81.84	26.00	94.35	68.00	36.61	52.00	0.00	0.00	0.00	0.00	120.00	146.00	1	14	0	3	1	3.67	PS					5.11	613.20
BB0442	29.25	58	26	40.10	11.50	22.87	16.50	13.42	19.50	6.01	0.58	3.50	7.00	36.00	54.50	1	13	10	3	1	3.67	PS					29.25	1,053.00
BB0443	2.45	58	22P	114.97	40.00	132.51	85.00	0.00	0.00	0.00	0.00	0.00	0.00	85.00	125.00	1	25	0	3	1	2.72	PS					2.45	208.25
HCC10	0.64	76	21	8.69	2.00	11.19	8.00	12.45	19.50	8.63	0.00	1.05	2.00	27.50	31.50	6	31	4	3	1	3.66	PS					0.00	0.00
pp310*	10.76	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					10.76	0.00
pp533*	0.35	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.35	0.00
	182.88																						**0.00**	**0.00**	**24.50**	**1,123.16**	**157.74**	**5,898.95**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0613	2008	65439	Road Improvements					5.03	231.38
BB0419	2008	65322	General Instruction Building Complex					3.08	121.57
BB0422	2008	65322	General Instruction Building Complex					0.15	4.65
BB0433	2008	65322	General Instruction Building Complex					0.13	7.37
BB0434	2008	65322	General Instruction Building Complex					2.17	222.43
BB0435	2008	65322	General Instruction Building Complex					2.57	68.54
BB0439	2008	65439	Road Improvements					0.08	3.16
BB0441	2008	65322	General Instruction Building Complex					3.43	411.60
BB0442	2008	65439	Road Improvements					2.27	81.72
pp310*	2008	65322	General Instruction Building Complex					10.00	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**28.91**	**1,152.42**

POST-PROJECT	**2008**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**24.50**	**1,123.16**
Future Potential Habitat	**128.83**	**4,746.53**
TOTAL	**153.33**	**5,869.69**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
22U = Slash Pine Underplanted
25 = Mixed Pine
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-27. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **BB05-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0606	4.38	53	26	24.46	6.00	29.49	21.50	12.53	20.00	8.68	0.00	1.80	4.00	41.50	51.50	5	24	4	3	1	1	4.38	181.77				
A0608	0.05	45	21	122.80	27.50	22.97	17.00	10.20	14.00	0.00	0.00	0.44	0.50	31.00	59.00	1	31	1	3	1	0			0.05	1.55		
A0613	38.92	56	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	1	38.92	1,790.32				
BB0406	12.62	66	31	123.57	34.50	46.90	30.00	10.27	14.00	5.78	0.67	0.00	0.50	44.00	79.00	1	21	1	3	1	0			12.62	555.28		
BB0407	0.48	52	31	3.06	1.00	11.62	7.50	20.50	41.00	66.27	23.12	4.18	21.00	48.50	70.50	7	11	46	3	1	0			0.48	23.28		
BB0414	2.81	57	31	42.79	10.00	19.18	15.00	3.63	5.00	0.00	0.00	0.00	0.00	20.00	30.00	1	25	0	3	1	0					2.81	56.20
BB0416	3.22	66	25	174.50	50.00	64.75	45.00	1.66	2.50	25.22	10.21	4.38	15.00	47.50	112.50	1	7	18	3	1	0			3.22	152.95		
BB0417	8.18	66	26	116.53	32.50	56.87	37.50	5.51	7.50	0.00	2.25	0.00	1.25	45.00	78.75	1	9	3	3	1	0			8.18	368.10		
BB0419	1.76	57	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	0	1.76	69.47				
BB0426	6.85	43	26	31.52	8.33	30.07	23.33	21.26	30.00	0.00	0.00	0.00	0.00	53.33	61.67	1	28	0	3	1	1	6.85	365.31				
BB0433	6.38	43	26	3.86	1.67	1.84	1.67	23.26	55.00	0.00	0.00	0.00	0.00	56.67	58.33	1	55	0	3	1	1	6.38	361.55				
BB0434	0.27	43	26P	71.25	15.00	71.90	52.50	34.21	50.00	17.85	0.00	0.00	0.00	102.50	117.50	1	15	0	3	1	0	0.27	27.68				
BB0441	0.53	43	25	81.84	26.00	94.35	68.00	36.61	52.00	0.00	0.00	0.00	0.00	120.00	146.00	1	14	0	3	1	0			0.53	63.60		
BB0502	0.62	44	31	104.62	27.00	9.29	6.00	3.92	6.00	4.37	1.78	0.40	1.50	12.00	40.50	1	15	14	3	2	0					0.62	7.44
BB0504	3.07	49	31	104.49	32.50	61.30	40.00	18.79	22.50	0.00	0.00	0.00	0.00	62.50	95.00	7	10	0	3	2	0			3.07	191.88		
BB0509	7.40	44	31	17.18	4.00	10.53	7.50	11.50	17.50	20.44	8.17	5.51	13.00	25.00	42.00	5	19	38	3	2	0					7.40	185.00
BB0510	19.15	32	31	30.67	8.50	28.39	20.50	9.11	11.50	0.00	0.69	0.15	1.00	32.00	41.50	8	22	2	3	2	0			19.15	612.80		
BB0516	17.27	49	31	6.62	1.50	7.31	5.50	20.49	42.00	31.34	19.79	3.94	19.50	47.50	68.50	7	14	46	3	2	0			17.27	820.33		
BB0517	15.67	49	31	21.17	6.00	8.67	6.00	14.81	21.00	6.29	1.48	2.76	6.00	27.00	39.00	6	18	15	3	2	0					15.67	423.09
BB0518	9.81	32	26	75.74	21.11	23.52	16.67	8.13	11.11	0.00	1.15	1.71	3.33	27.78	52.22	6	12	8	3	2	0					9.81	272.52
BB0519	2.43	32	21	167.41	55.00	23.49	15.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	70.00	1	25	0	3	2	0					2.43	36.45
BB0522	16.03	43	42**	2.93	1.00	6.34	5.00	18.31	37.50	45.60	17.92	6.06	22.50	42.50	66.00	7	16	49	3	2	0					0.00	0.00
BB0523	17.24	49	21	25.33	7.50	22.48	16.50	10.51	14.00	9.87	2.61	1.87	5.00	30.50	43.00	1	29	12	3	2	0	17.24	525.82				
BB0524	25.94	49	26	5.07	2.00	11.79	9.00	17.97	25.50	1.33	1.93	1.23	3.50	34.50	40.00	1	13	10	3	2	0	25.94	894.93				
BB0525	11.51	49	26	39.55	10.50	28.77	20.00	15.13	22.50	1.06	0.00	0.00	0.00	42.50	53.00	1	35	0	3	2	1	11.51	489.18				
BB0527	26.28	43	31	36.37	9.50	21.79	16.50	11.76	16.50	2.38	0.80	2.22	4.00	33.00	46.50	8	17	8	3	2	0			26.28	867.24		
BB0528	3.33	47	21	22.88	6.67	19.48	13.33	6.53	10.00	0.00	4.17	0.00	3.33	23.33	33.33	1	20	14	3	2	0					3.33	77.69
BB0530	9.38	47	31	21.31	6.67	21.43	15.56	11.58	16.67	0.00	0.00	0.00	0.00	32.22	38.89	8	17	0	3	2	0			9.38	302.22		
BB0532	1.89	47	25	46.19	10.00	12.23	10.00	14.69	20.00	0.00	0.00	0.00	0.00	30.00	40.00	8	45	0	3	2	0			1.89	56.70		
BB0535	15.84	49	31	9.14	3.00	15.77	13.00	11.76	14.50	0.00	1.05	0.73	2.50	27.50	33.00	8	17	6	3	2	0					15.84	435.60
pp310*	0.57	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.57	0.00
pp595*	2.00	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.00	0.00
pp596*	3.14	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.14	0.00
	295.02																					**113.25**	**4,706.03**	**102.12**	**4,015.93**	**63.62**	**1,493.99**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0606	2008	65439	Infrastructure Support	2.74	113.71				
A0613	2008	65439	Road Improvements	0.80	36.80				
A0613	2008	65439	Infrastructure Support	5.22	240.12				
BB0406	2008	65439	Road Improvements			0.02	0.88		
BB0414	2008	65439	Road Improvements					2.32	46.40
BB0417	2008	65322	General Instruction Building Complex			3.09	139.05		
BB0419	2008	65322	General Instruction Building Complex	0.19	7.50				
BB0426	2008	65322	General Instruction Building Complex	5.94	316.78				
BB0426	2008	65439	Road Improvements	0.85	45.33				
BB0433	2008	65322	General Instruction Building Complex	5.59	316.79				
BB0433	2008	65439	Road Improvements	0.19	10.77				
BB0434	2008	65322	General Instruction Building Complex	0.22	22.55				
BB0510	2008	65439	Road Improvements			0.28	8.96		
BB0518	2008	65439	Road Improvements					0.76	21.11
BB0525	2008	65439	Road Improvements	0.57	24.23				
BB0527	2008	65439	Infrastructure Support			0.01	0.33		
BB0535	2008	65439	Infrastructure Support					1.30	35.75
pp310*	2008	65322	General Instruction Building Complex					0.57	0.00
pp596*	2008	65439	Infrastructure Support					0.02	0.00
			TOTAL REMOVALS	**22.31**	**1,134.58**	**3.40**	**149.22**	**4.97**	**103.26**

POST-PROJECT	**2008**	
	Acres	**BA**
Suitable Habitat	**90.94**	**3,571.45**
Potentially Suitable Habitat	**98.72**	**3,866.71**
Future Potential Habitat	**58.65**	**1,390.73**
TOTAL	**248.31**	**8,828.89**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc = herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21p = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

* No pine data collected for pine plantation stands less than 30 years old.

Table D-28. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **BB05-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable/ Potentially Suitable Acreage	Suitable/ Potentially Suitable BA	Suitable/ Potentially Suitable Acreage	Suitable/ Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0606	4.38	53	26	24.46	6.00	29.49	21.50	12.53	20.00	8.68	0.00	1.80	4.00	41.50	51.50	5	24	4	3	1	3.65	PS					4.38	181.77
A0608	0.05	45	21	122.80	27.50	22.97	17.00	10.20	14.00	0.00	0.00	0.44	0.50	31.00	59.00	1	31	1	3	1	3.34	PS					0.05	1.55
A0613	38.92	56	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	3.61	PS					38.92	1,790.32
BB0406	12.62	66	31	123.57	34.50	46.90	30.00	10.27	14.00	5.78	0.67	0.00	0.50	44.00	79.00	1	21	1	3	1	3.60	PS					12.62	555.28
BB0407	0.48	52	31	3.06	1.00	11.62	7.50	20.50	41.00	66.27	23.12	4.18	21.00	48.50	70.50	7	11	46	3	1	3.75	PS					0.48	23.28
BB0414	2.81	57	31	42.79	10.00	19.18	15.00	3.63	5.00	0.00	0.00	0.00	0.00	20.00	30.00	1	25	0	3	1	2.94	PS					2.81	56.20
BB0416	3.22	66	25	174.50	50.00	64.75	45.00	1.66	2.50	25.22	10.21	4.38	15.00	47.50	112.50	1	7	18	3	1	2.78	PS					3.22	152.95
BB0417	8.18	66	26	116.53	32.50	56.87	37.50	5.51	7.50	0.00	2.25	0.00	1.25	45.00	78.75	1	9	3	3	1	3.10	PS					8.18	368.10
BB0419	1.76	57	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	3.56	PS					1.76	69.47
BB0426	6.85	43	26	31.52	8.33	30.07	23.33	21.26	30.00	0.00	0.00	0.00	0.00	53.33	61.67	1	28	0	3	1	4.03	PS					6.85	365.31
BB0433	6.38	43	26	3.86	1.67	1.84	1.67	23.26	55.00	0.00	0.00	0.00	0.00	56.67	58.33	1	55	0	3	1	4.26	PS					6.38	361.55
BB0434	0.27	43	26P	71.25	15.00	71.90	52.50	34.21	50.00	17.85	0.00	0.00	0.00	102.50	117.50	1	15	0	3	1	3.76	PS					0.27	27.68
BB0441	0.53	43	25	81.84	26.00	94.35	68.00	36.61	52.00	0.00	0.00	0.00	0.00	120.00	146.00	1	14	0	3	1	3.67	PS					0.53	63.60
BB0502	0.62	44	31	104.62	27.00	9.29	6.00	3.92	6.00	4.37	1.78	0.40	1.50	12.00	40.50	1	15	14	3	2	2.75	PS					0.62	7.44
BB0504	3.07	49	31	104.49	32.50	61.30	40.00	18.79	22.50	0.00	0.00	0.00	0.00	62.50	95.00	7	10	0	3	2	3.61	PS					3.07	191.88
BB0509	7.40	44	31	17.18	4.00	10.53	7.50	11.50	17.50	20.44	8.17	5.51	13.00	25.00	42.00	5	19	38	3	2	3.28	PS					7.40	185.00
BB0510	19.15	32	31	30.67	8.50	28.39	20.50	9.11	11.50	0.00	0.69	0.15	1.00	32.00	41.50	8	22	2	3	2	3.01	PS					19.15	612.80
BB0516	17.27	49	31	6.62	1.50	7.31	5.50	20.49	42.00	31.34	19.79	3.94	19.50	47.50	68.50	7	14	46	3	2	3.76	PS					17.27	820.33
BB0517	15.67	49	31	21.17	6.00	8.67	6.00	14.81	21.00	6.29	1.48	2.76	6.00	27.00	39.00	6	18	15	3	2	3.61	PS					15.67	423.09
BB0518	9.81	32	26	75.74	21.11	23.52	16.67	8.13	11.11	0.00	1.15	1.71	3.33	27.78	52.22	6	12	8	3	2	2.80	PS					9.81	272.52
BB0519	2.43	32	21	167.41	55.00	23.49	15.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	70.00	1	25	0	3	2	2.55	PS					2.43	36.45
BB0522	16.03	43	42**	2.93	1.00	6.34	5.00	18.31	37.50	45.60	17.92	6.06	22.50	42.50	66.00	7	16	49	3	2	3.76	PS					0.00	0.00
BB0523	17.24	49	21	25.33	7.50	22.48	16.50	10.51	14.00	9.87	2.61	1.87	5.00	30.50	43.00	1	29	12	3	2	3.51	PS					17.24	525.82
BB0524	25.94	49	26	5.07	2.00	11.79	9.00	17.97	25.50	1.33	1.93	1.23	3.50	34.50	40.00	1	13	10	3	2	3.45	PS					25.94	894.93
BB0525	11.51	49	26	39.55	10.50	28.77	20.00	15.13	22.50	1.06	0.00	0.00	0.00	42.50	53.00	1	35	0	3	2	4.09	PS					11.51	489.18
BB0527	26.28	43	31	36.37	9.50	21.79	16.50	11.76	16.50	2.38	0.80	2.22	4.00	33.00	46.50	8	17	8	3	2	3.23	PS					26.28	867.24
BB0528	3.33	47	21	22.88	6.67	19.48	13.33	6.53	10.00	0.00	4.17	0.00	3.33	23.33	33.33	1	20	14	3	2	3.03	PS					3.33	77.69
BB0530	9.38	47	31	21.31	6.67	21.43	15.56	11.58	16.67	0.00	0.00	0.00	0.00	32.22	38.89	8	17	0	3	2	3.20	PS					9.38	302.22
BB0532	1.89	47	25	46.19	10.00	12.23	10.00	14.69	20.00	0.00	0.00	0.00	0.00	30.00	40.00	8	45	0	3	2	3.73	PS					1.89	56.70
BB0535	15.84	49	31	9.14	3.00	15.77	13.00	11.76	14.50	0.00	1.05	0.73	2.50	27.50	33.00	8	17	6	3	2	3.08	PS					15.84	435.60
pp310*	0.57	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.57	0.00
pp595*	2.00	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.00	0.00
pp596*	3.14	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.14	0.00
	295.02																						**0.00**	**0.00**	**0.00**	**0.00**	**278.99**	**10,215.95**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0606	2008	65439	Infrastructure Support					2.74	113.71
A0613	2008	65439	Road Improvements					0.80	36.80
A0613	2008	65439	Infrastructure Support					5.22	240.12
BB0406	2008	65439	Road Improvements					0.02	0.88
BB0414	2008	65439	Road Improvements					2.32	46.40
BB0417	2008	65322	General Instruction Building Complex					3.09	139.05
BB0419	2008	65322	General Instruction Building Complex					0.19	7.50
BB0426	2008	65322	General Instruction Building Complex					5.94	316.78
BB0426	2008	65439	Road Improvements					0.85	45.33
BB0433	2008	65322	General Instruction Building Complex					5.59	316.79
BB0433	2008	65439	Road Improvements					0.19	10.77
BB0434	2008	65322	General Instruction Building Complex					0.22	22.55
BB0510	2008	65439	Road Improvements					0.28	8.96
BB0518	2008	65439	Road Improvements					0.76	21.11
BB0525	2008	65439	Road Improvements					0.57	24.23
BB0527	2008	65439	Infrastructure Support					0.01	0.33
BB0535	2008	65439	Infrastructure Support					1.30	35.75
pp310*	2008	65322	General Instruction Building Complex					0.57	0.00
pp596*	2008	65439	Infrastructure Support					0.02	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**30.68**	**1,387.06**

POST-PROJECT	**2008**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**248.31**	**8,828.89**
TOTAL	**248.31**	**8,828.89**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc = herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21p = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* No pine data collected for pine plantation stands less than 30 years old.

Table D-29. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster C01-02, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
C0111	0.78	82	31	7.87	2.50	9.84	7.00	23.64	44.50	7.35	0.00	0.87	1.00	51.50	55.00	1	34	3	3	1	1	0.78	40.17				
C0113	0.18	23	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
C0116	46.75	79	26	12.94	3.50	6.38	4.50	21.11	39.50	3.40	0.53	0.75	2.00	44.00	49.50	8	30	4	3	1	0			46.75	2,057.00		
C0117	4.67	23	31P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					4.67	0.00
C0118	9.43	94	25	202.85	45.56	28.57	18.89	8.40	11.11	0.00	0.00	0.78	1.11	30.00	76.67	6	29	2	3	1	0			9.43	282.90		
C0120	16.31	94	25	29.38	9.50	14.79	10.00	23.19	40.00	29.60	11.46	5.52	15.50	50.00	75.00	7	11	31	3	1	0			16.31	815.50		
EE0225	57.91	93	31	75.01	20.50	21.53	14.50	14.25	22.00	5.24	4.31	1.67	6.00	36.50	63.00	6	25	14	3	1	0			57.91	2,113.72		
EE0233	7.81	51	31	43.93	14.00	26.87	20.00	18.45	24.00	13.93	1.93	0.41	1.50	44.00	59.50	6	28	5	3	1	0			7.81	343.64		
pp742*	2.30	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.30	0.00
pp986*	8.62	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					8.62	0.00
pp987	1.14	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.14	0.00
Q0203	3.69	56	31	46.04	15.00	38.80	27.50	19.32	25.00	19.76	2.18	0.00	1.50	52.50	69.00	6	50	4	3	1	0			3.69	193.73		
Q0204	16.72	56	31	59.33	17.37	26.80	18.42	9.92	15.26	30.67	2.70	0.00	1.58	33.68	52.63	6	32	7	3	1	0			16.72	563.13		
	176.30																					**0.78**	**40.17**	**158.62**	**6,369.62**	**16.73**	**0.00**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
C0116	2008	65440	AT/FP Access Control Point			4.91	216.04		
C0117	2008	65440	AT/FP Access Control Point					4.66	0.00
C0118	2008	65440	AT/FP Access Control Point			4.83	144.90		
C0120	2008	65440	AT/FP Access Control Point			10.27	513.50		
EE0225	2008	65440	AT/FP Access Control Point			56.81	2,073.57		
EE0233	2008	65440	AT/FP Access Control Point			7.81	343.64		
pp986*	2008	65440	AT/FP Access Control Point					5.36	0.00
Q0203	2008	65440	AT/FP Access Control Point			3.69	193.73		
Q0204	2008	65440	AT/FP Access Control Point			16.65	560.77		
				0.00	**0.00**	**104.97**	**4,046.15**	**10.02**	**0.00**

POST-PROJECT	**2008**	
	Acres	**BA**
Suitable Habitat	**0.78**	**40.17**
Potentially Suitable Habitat	**53.65**	**2,323.47**
Future Potential Habitat	**6.71**	**0.00**
SUB-TOTAL	**61.14**	**2,363.64**
non-contiguous habitat	**-1.17**	**-42.51**
GRAND TOTAL	**59.97**	**2,321.13**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Stand Score
0=Unsuitable
1=Suitable

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Stand EE0225 and Q0204 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-30. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **C01-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
C0111	0.78	82	31	7.87	2.50	9.84	7.00	23.64	44.50	7.35	0.00	0.87	1.00	51.50	55.00	1	34	3	3	1	4.43	PS			0.78	40.17		
C0113	0.18	23	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.00	0.00
C0116	46.75	79	26	12.94	3.50	6.38	4.50	21.11	39.50	3.40	0.53	0.75	2.00	44.00	49.50	8	30	4	3	1	3.99	PS			46.75	2,057.00		
C0117	4.67	23	31P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					4.67	0.00
C0118	9.43	94	25	202.85	45.56	28.57	18.89	8.40	11.11	0.00	0.00	0.78	1.11	30.00	76.67	6	29	2	3	1	3.12	PS					9.43	282.90
C0120	16.31	94	25	29.38	9.50	14.79	10.00	23.19	40.00	29.60	11.46	5.52	15.50	50.00	75.00	7	11	31	3	1	3.86	PS			16.31	815.50		
EE0225	57.91	93	31	75.01	20.50	21.53	14.50	14.25	22.00	5.24	4.31	1.67	6.00	36.50	63.00	6	25	14	3	1	3.80	PS					57.91	2113.72
EE0233	7.81	51	31	43.93	14.00	26.87	20.00	18.45	24.00	13.93	1.93	0.41	1.50	44.00	59.50	6	28	5	3	1	3.89	PS					7.81	343.64
pp742*	2.30	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.30	0.00
pp986*	8.62	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					8.62	0.00
pp987	1.14	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.14	0.00
Q0203	3.69	56	31	46.04	15.00	38.80	27.50	19.32	25.00	19.76	2.18	0.00	1.50	52.50	69.00	6	50	4	3	1	4.09	PS					3.69	193.73
Q0204	16.72	56	31	59.33	17.37	26.80	18.42	9.92	15.26	30.67	2.70	0.00	1.58	33.68	52.63	6	32	7	3	1	3.47	PS					16.72	563.13
	176.30																						**0.00**	**0.00**	**63.84**	**2,912.67**	**112.29**	**3,497.12**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
C0116	2008	65440	AT/FP Access Control Point			4.91	216.04		
C0117	2008	65440	AT/FP Access Control Point					4.66	0.00
C0118	2008	65440	AT/FP Access Control Point					4.83	144.90
C0120	2008	65440	AT/FP Access Control Point			10.27	513.50		
EE0225	2008	65440	AT/FP Access Control Point					56.81	2,073.57
EE0233	2008	65440	AT/FP Access Control Point					7.81	343.64
pp986*	2008	65440	AT/FP Access Control Point					5.36	0.00
Q0203	2008	65440	AT/FP Access Control Point					3.69	193.73
Q0204	2008	65440	AT/FP Access Control Point					16.65	560.77
				0.00	**0.00**	**15.18**	**729.54**	**99.81**	**3,316.61**

POST-PROJECT

	2008 Acres	2008 BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**48.66**	**2,183.13**
Future Potential Habitat	**12.48**	**180.51**
SUB-TOTAL	**61.14**	**2,363.64**
non-contiguous habitat	**-1.17**	**-42.51**
GRAND TOTAL	**59.97**	**2,321.13**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Stand EE0225 and Q0204 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-31. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **C01-03**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Potentially Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
C0105	2.91	71	31	9.85	3.00	9.37	6.50	19.28	36.50	13.87	4.72	1.42	6.00	43.00	52.00	6	31	18	3	1	0			2.91	125.13		
C0108	0.52	23	31P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.52	0.00
C0110	15.12	23	31	201.01	47.00	7.15	4.50	5.41	11.50	9.40	1.31	0.42	2.50	16.00	65.50	6	22	12	3	1	0					15.12	241.92
C0113	2.89	23	31P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
C0116	45.46	79	26	12.94	3.50	6.38	4.50	21.11	39.50	3.40	0.53	0.75	2.00	44.00	49.50	8	30	4	3	1	0			45.46	2,000.24		
C0117	8.18	23	31p	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					8.18	0.00
EE0213	11.28	72	31	9.37	3.50	9.06	6.50	13.39	26.50	7.86	7.79	2.80	10.00	33.00	46.50	8	25	32	3	1	0			11.28	372.24		
EE0223	8.02	51	31	9.83	3.75	18.82	15.00	14.17	22.50	20.08	5.70	3.09	7.50	37.50	48.75	1	14	21	3	1	0	8.02	300.75				
EE0225	28.83	93	31	75.01	20.50	21.53	14.50	14.25	22.00	5.24	4.31	1.67	6.00	36.50	63.00	6	25	14	3	1	0			28.83	1,052.30		
EE0233	0.13	51	31	43.93	14.00	26.87	20.00	18.45	24.00	13.93	1.93	0.41	1.50	44.00	59.50	6	28	5	3	1	0			0.13	5.72		
pp986*	6.19	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					6.19	0.00
pp987*	1.89	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.89	0.00
pp988*	0.56	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.56	0.00
S0303	14.04	61	31	17.93	4.50	8.57	6.50	12.82	20.50	0.00	1.25	0.73	2.00	27.00	33.50	2	31	8	3	1	0					14.04	379.08
	146.01																					**8.02**	**300.75**	**88.61**	**3,555.63**	**46.50**	**621.00**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
C0116	2008	65440	AT/FP Access Control Point			3.32	146.08		
C0117	2008	65440	AT/FP Access Control Point					1.95	0.00
EE0213	2008	65440	AT/FP Access Control Point			1.18	38.94		
EE0223	2008	65440	AT/FP Access Control Point	5.11	191.63				
EE0225	2008	65440	AT/FP Access Control Point			13.39	488.74		
EE0233	2008	65440	AT/FP Access Control Point			0.13	5.72		
S0303	2008	65440	AT/FP Access Control Point					0.68	18.36
				5.11	**191.63**	**18.02**	**679.48**	**2.63**	**18.36**

POST-PROJECT

	2008	
	Acres	**BA**
Suitable Habitat	**2.91**	**109.12**
Potentially Suitable Habitat	**70.59**	**2,876.15**
Future Potential Habitat	**43.87**	**602.64**
SUB-TOTAL	**117.37**	**3,587.91**
non-contiguous habitat	**-2.91**	**-109.12**
GRAND TOTAL	**114.46**	**3,478.79**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
ND = No data provided
NM = Not managed

*** Note: No pine data was collected for pine plantation stand less than 30 years old.**

Stand EE0223 will be non-contiguous as a result of project impacts and cannot be counted towards the available habitat for the partition.

Table D-32. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **C01-03**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
C0105	2.91	71	31	9.85	3.00	9.37	6.50	19.28	36.50	13.87	4.72	1.42	6.00	43.00	52.00	6	31	18	3	1	4.20	PS			2.91	125.13		
C0108	0.52	23	31P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.52	0.00
C0110	15.12	23	31	201.01	47.00	7.15	4.50	5.41	11.50	9.40	1.31	0.42	2.50	16.00	65.50	6	22	12	3	1	2.46	NH					15.12	241.92
C0113	2.89	23	31P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.00	0.00
C0116	45.46	79	26	12.94	3.50	6.38	4.50	21.11	39.50	3.40	0.53	0.75	2.00	44.00	49.50	8	30	4	3	1	3.99	PS			45.46	2,000.24		
C0117	8.18	23	31p	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					8.18	0.00
EE0213	11.28	72	31	9.37	3.50	9.06	6.50	13.39	26.50	7.86	7.79	2.80	10.00	33.00	46.50	8	25	32	3	1	3.79	PS					11.28	372.24
EE0223	8.02	51	31	9.83	3.75	18.82	15.00	14.17	22.50	20.08	5.70	3.09	7.50	37.50	48.75	1	14	21	3	1	3.89	PS					8.02	300.75
EE0225	28.83	93	31	75.01	20.50	21.53	14.50	14.25	22.00	5.24	4.31	1.67	6.00	36.50	63.00	6	25	14	3	1	3.80	PS					28.83	1,052.30
EE0233	0.13	51	31	43.93	14.00	26.87	20.00	18.45	24.00	13.93	1.93	0.41	1.50	44.00	59.50	6	28	5	3	1	3.89	PS					0.13	5.72
pp986	6.19	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					6.19	0.00
pp987	1.89	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.89	0.00
pp988	0.56	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.56	0.00
S0303	14.04	61	31	17.93	4.50	8.57	6.50	12.82	20.50	0.00	1.25	0.73	2.00	27.00	33.50	2	31	8	3	1	4.03	PS					14.04	379.08
	146.01																						**0.00**	**0.00**	**48.37**	**2,125.37**	**94.76**	**2,352.01**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
C0116	2008	65440	AT/FP Access Control Point			3.32	146.08		
C0117	2008	65440	AT/FP Access Control Point					1.95	0.00
EE0213	2008	65440	AT/FP Access Control Point					1.18	38.94
EE0223	2008	65440	AT/FP Access Control Point					5.11	191.63
EE0225	2008	65440	AT/FP Access Control Point					13.39	488.74
EE0233	2008	65440	AT/FP Access Control Point			0.13	5.72		
S0303	2008	65440	AT/FP Access Control Point					0.68	18.36
				0.00	**0.00**	**3.45**	**151.80**	**22.31**	**737.67**

POST-PROJECT

	2008 Acres	2008 BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**44.92**	**1,973.57**
Future Potential Habitat	**72.45**	**1,614.34**
SUB-TOTAL	**117.37**	**3,587.91**
non-contiguous habitat	**-2.91**	**-109.12**
GRAND TOTAL	**114.46**	**3,478.79**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
ND = No data provided
NM = Not managed

*** Note: No pine data was collected for pine plantation stand less than 30 years old.**

Stand EE0223 will be non-contiguous as a result of project impacts and cannot be counted towards the available habitat for the partition.

Table D-33. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **C02-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
C0120	0.21	94	25	29.38	9.50	14.79	10.00	23.19	40.00	29.60	11.46	5.52	15.50	50.00	75.00	7	11	31	3	1	0			0.00	0.00		
C0120	0.23	94	25	29.38	9.50	14.79	10.00	23.19	40.00	29.60	11.46	5.52	15.50	50.00	75.00	7	11	31	3	1	0			0.23	11.50		
C0225	40.63	88	31	25.70	7.37	26.64	19.47	16.56	22.11	22.92	0.96	0.20	1.05	41.58	50.00	6	36	3	3	2	0			40.63	1,689.40		
C0237	15.69	86	31	71.84	19.00	21.70	15.00	11.68	18.50	15.35	3.54	1.63	4.50	33.50	57.00	6	33	13	3	2	0			15.69	525.62		
C0238	8.04	86	31U	15.56	3.75	3.35	2.50	22.48	37.50	0.00	0.00	0.00	0.00	40.00	43.75	2	50	0	3	2	1	8.04	321.60				
C0245	8.56	86	31	70.10	18.50	42.49	29.50	9.87	14.50	12.32	2.69	0.48	2.50	44.00	65.00	1	26	6	3	2	1	8.56	376.64				
EE0225	3.13	93	31	75.01	20.50	21.53	14.50	14.25	22.00	5.24	4.31	1.67	6.00	36.50	63.00	6	25	14	3	1	0			3.13	114.25		
pp33*	10.19	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					10.19	0.00
Q0204	0.73	56	31	59.33	17.37	26.80	18.42	9.92	15.26	30.67	2.70	0.00	1.58	33.68	52.63	6	32	7	3	1	0			0.73	24.59		
Q0205	8.54	101	31	22.10	5.00	6.93	5.00	12.92	27.50	11.22	10.11	6.91	18.75	32.50	56.25	8	18	46	3	1	0			8.54	277.55		
Q0208	11.32	55	31	17.58	5.00	22.22	16.50	15.90	21.00	7.81	2.19	1.31	3.00	37.50	45.50	2	35	8	3	1	0	11.32	424.50				
Q0215	7.10	19	10	132.54	29.00	1.34	1.00	0.65	1.00	21.70	3.48	0.91	3.00	2.00	34.00	5	14	69	3	1	0					7.10	14.20
Q0217	22.57	53	31	17.06	4.50	20.83	15.50	14.73	19.50	9.90	2.08	0.00	1.50	35.00	41.00	2	33	6	3	1	0	22.57	789.95				
Q0218	7.25	19	25	58.68	17.14	14.71	10.00	0.90	1.43	30.20	6.38	1.16	5.71	11.43	34.29	4	17	33	3	1	0					7.25	82.87
Q0219	4.20	61	31	103.84	30.00	13.27	10.00	2.44	2.50	6.82	3.08	0.00	2.50	12.50	45.00	6	15	16	3	1	0					4.20	52.50
	148.38																					**50.49**	**1,912.69**	**68.95**	**2,642.91**	**28.74**	**149.57**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
C0120	2008	65440	AT/FP Access Control Point			0.12	6.00		
C0225	2008	65440	AT/FP Access Control Point			1.89	78.59		
C0237	2008	65440	AT/FP Access Control Point			1.05	35.18		
EE0225	2008	65440	AT/FP Access Control Point			3.13	114.25		
Q0204	2008	65440	AT/FP Access Control Point			0.59	19.87		
Q0205	2008	65440	AT/FP Access Control Point			4.55	147.88		
Q0217	2008	65440	AT/FP Access Control Point	0.40	14.00				
				0.40	**14.00**	**11.33**	**401.77**	**0.00**	**0.00**

POST-PROJECT	**2008**	
	Acres	**BA**
Suitable Habitat	**50.09**	**1,898.69**
Potentially Suitable Habitat	**57.62**	**2,241.14**
Future Potential Habitat	**28.74**	**149.57**
TOTAL	**136.45**	**4,289.40**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
31 U = Loblolly Pine Underplanted

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-34. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **C02-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
C0120	0.21	94	25	29.38	9.50	14.79	10.00	23.19	40.00	29.60	11.46	5.52	15.50	50.00	75.00	7	11	31	3	1	3.86	PS			0.00	0.00		
C0120	0.23	94	25	29.38	9.50	14.79	10.00	23.19	40.00	29.60	11.46	5.52	15.50	50.00	75.00	7	11	31	3	1	3.86	PS			0.23	11.50		
C0225	40.63	88	31	25.70	7.37	26.64	19.47	16.56	22.11	22.92	0.96	0.20	1.05	41.58	50.00	6	36	3	3	2	4.19	PS					40.63	1,689.40
C0237	15.69	86	31	71.84	19.00	21.70	15.00	11.68	18.50	15.35	3.54	1.63	4.50	33.50	57.00	6	33	13	3	2	3.76	PS					15.69	525.62
C0238	8.04	86	31U	15.56	3.75	3.35	2.50	22.48	37.50	0.00	0.00	0.00	0.00	40.00	43.75	2	50	0	3	2	4.69	CS	8.04	321.60				
C0245	8.56	86	31	70.10	18.50	42.49	29.50	9.87	14.50	12.32	2.69	0.48	2.50	44.00	65.00	1	26	6	3	2	3.80	PS					8.56	376.64
EE0225	3.13	93	31	75.01	20.50	21.53	14.50	14.25	22.00	5.24	4.31	1.67	6.00	36.50	63.00	6	25	14	3	1	3.80	PS					3.13	114.25
pp33*	10.19	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					10.19	0.00
Q0204	0.73	56	31	59.33	17.37	26.80	18.42	9.92	15.26	30.67	2.70	0.00	1.58	33.68	52.63	6	32	7	3	1	3.47	PS					0.73	24.59
Q0205	8.54	101	31	22.10	5.00	6.93	5.00	12.92	27.50	11.22	10.11	6.91	18.75	32.50	56.25	8	18	46	3	1	3.17	PS					8.54	277.55
Q0208	11.32	55	31	17.58	5.00	22.22	16.50	15.90	21.00	7.81	2.19	1.31	3.00	37.50	45.50	2	35	8	3	1	4.09	PS					11.32	424.50
Q0215	7.10	19	10	132.54	29.00	1.34	1.00	0.65	1.00	21.70	3.48	0.91	3.00	2.00	34.00	5	14	69	3	1	1.95	NH					7.10	14.20
Q0217	22.57	53	31	17.06	4.50	20.83	15.50	14.73	19.50	9.90	2.08	0.00	1.50	35.00	41.00	2	33	6	3	1	3.95	PS					22.57	789.95
Q0218	7.25	19	25	58.68	17.14	14.71	10.00	0.90	1.43	30.20	6.38	1.16	5.71	11.43	34.29	4	17	33	3	1	2.09	NH					7.25	82.87
Q0219	4.20	61	31	103.84	30.00	13.27	10.00	2.44	2.50	6.82	3.08	0.00	2.50	12.50	45.00	6	15	16	3	1	2.48	PS					4.20	52.50
	148.38																						**8.04**	**321.60**	**0.23**	**11.50**	**139.91**	**4,372.07**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
C0120	2008	65440	AT/FP Access Control Point			0.12	6.00		
C0225	2008	65440	AT/FP Access Control Point					1.89	78.59
C0237	2008	65440	AT/FP Access Control Point					1.05	35.18
EE0225	2008	65440	AT/FP Access Control Point					3.13	114.25
Q0204	2008	65440	AT/FP Access Control Point					0.59	19.87
Q0205	2008	65440	AT/FP Access Control Point					4.55	147.88
Q0217	2008	65440	AT/FP Access Control Point					0.40	14.00
				0.00	**0.00**	**0.12**	**6.00**	**11.61**	**409.77**

POST-PROJECT	**2008**	
	Acres	**BA**
Suitable Habitat	**8.04**	**321.60**
Potentially Suitable Habitat	**0.11**	**5.50**
Future Potential Habitat	**128.30**	**3,962.30**
TOTAL	**136.45**	**4,289.40**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
31 U = Loblolly Pine Underplanted

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-35. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D05-02R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0508	2.75	52	11	8.32	2.00	4.24	3.00	9.81	18.50	78.03	19.09	6.75	23.50	21.50	47.00	7	7	65	3	1	0					2.75	59.13
D0509	1.14	64	21	4.28	1.00	8.44	6.00	16.67	27.50	28.86	6.64	3.62	10.00	33.50	44.50	1	31	29	3	1	0	1.14	38.19				
D0510	17.89	44	31	16.97	4.00	16.52	12.50	17.68	28.00	6.41	1.11	3.20	7.50	40.50	52.00	1	34	11	3	1	1	17.89	724.55				
D0512	81.70	59	21	2.50	1.00	10.73	8.00	17.09	28.00	1.24	0.55	1.16	2.50	36.00	39.50	1	36	6	3	1	0	81.70	2,941.20				
D0513	22.07	58	25	18.35	4.50	33.22	24.00	19.71	27.50	2.28	3.53	0.91	4.00	51.50	60.00	1	35	8	3	1	1	22.07	1,136.61				
D0514	36.34	51	21	11.97	2.50	1.31	1.00	12.15	21.00	2.46	1.50	0.84	3.00	22.00	27.50	2	33	15	3	1	0					36.34	799.48
D0604	5.40	83	13	16.37	4.00	4.40	3.50	18.90	42.00	44.26	9.61	3.65	12.00	45.50	61.50	6	4	36	3	1	0			0.00	0.00		
pp226	0.60	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
	167.89																					**122.80**	**4,840.55**	**0.00**	**0.00**	**39.09**	**858.61**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0510	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	3.01	121.91				
D0513	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	0.01	0.52				
D0514	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					10.52	231.44
			TOTAL REMOVALS	**3.02**	**122.43**	**0.00**	**0.00**	**10.52**	**231.44**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**119.78**	**4,718.12**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**28.57**	**627.17**
TOTAL	**148.35**	**5,345.29**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
11 = Longleaf Pine-Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Indicates that the stand did not meet Managed Stability criteria, but was counted towards the suitable/potentially suitable acreage totals.

Table D-36. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D05-02R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0508	2.75	52	11	8.32	2.00	4.24	3.00	9.81	18.50	78.03	19.09	6.75	23.50	21.50	47.00	7	7	65	3	1	3.05	PS					2.75	59.13
D0509	1.14	64	21	4.28	1.00	8.44	6.00	16.67	27.50	28.86	6.64	3.62	10.00	33.50	44.50	1	31	29	3	1	4.23	PS					1.14	38.19
D0510	17.89	44	31	16.97	4.00	16.52	12.50	17.68	28.00	6.41	1.11	3.20	7.50	40.50	52.00	1	34	11	3	1	4.00	PS					17.89	724.55
D0512	81.70	59	21	2.50	1.00	10.73	8.00	17.09	28.00	1.24	0.55	1.16	2.50	36.00	39.50	1	36	6	3	1	4.09	PS					81.70	2,941.20
D0513	22.07	58	25	18.35	4.50	33.22	24.00	19.71	27.50	2.28	3.53	0.91	4.00	51.50	60.00	1	35	8	3	1	4.29	PS					22.07	1,136.61
D0514	36.34	51	21	11.97	2.50	1.31	1.00	12.15	21.00	2.46	1.50	0.84	3.00	22.00	27.50	2	33	15	3	1	3.84	PS					36.34	799.48
D0604	5.40	83	13	16.37	4.00	4.40	3.50	18.90	42.00	44.26	9.61	3.65	12.00	45.50	61.50	6	4	36	3	1	3.90	PS			0.00	0.00		
pp226*	0.60	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
	167.89																						**0.00**	**0.00**	**0.00**	**0.00**	**161.89**	**5,699.16**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0510	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.01	121.91
D0513	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.01	0.52
D0514	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					10.52	231.44
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**13.54**	**353.87**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**148.35**	**5,345.29**
TOTAL	**148.35**	**5,345.29**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
11 = Longleaf Pine-Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-37. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D05-04R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0410	10.46	48	31	18.68	7.50	40.08	29.50	14.40	20.50	0.00	0.92	0.00	0.50	50.00	58.00	1	30	2	3	2	1	10.46	523.00				
D0411	5.44	40	21	43.28	12.94	12.42	9.41	7.50	10.59	3.00	0.00	0.00	0.00	20.00	32.94	1	24	0	3	2	0					5.44	108.80
D0412	20.42	46	13	7.79	2.50	12.13	9.50	14.44	21.50	0.00	1.33	4.11	9.50	31.00	43.00	2	39	17	3	2	0	20.42	633.02				
D0413	47.31	75	31	11.37	3.50	20.39	15.50	15.70	24.00	1.11	0.00	0.69	2.00	39.50	45.00	1	21	2	3	2	0	47.31	1,868.75				
D0414	7.24	0	53*	6.16	1.50	0.52	0.50	2.71	5.00	13.18	6.92	6.90	17.00	5.50	24.00	2	17	81	3	2	0					0.00	0.00
D0415	48.27	49	31	15.43	4.50	19.88	14.50	19.02	27.50	0.00	0.58	0.67	1.50	42.00	48.00	1	41	3	3	2	1	48.27	2,027.34				
D0509	14.15	64	21	4.28	1.00	8.44	6.00	16.67	27.50	28.86	6.64	3.62	10.00	33.50	44.50	1	31	29	3	1	0	14.15	474.03				
D0510	66.31	44	31	16.97	4.00	16.52	12.50	17.68	28.00	6.41	1.11	3.20	7.50	40.50	52.00	1	34	11	3	1	1	66.31	2,685.56				
F0201	9.77	44	25	3.18	1.11	23.01	17.78	23.30	32.22	0.00	0.00	0.00	0.00	50.00	51.11	1	12	0	3	1	1	9.77	488.50				
F0202	6.80	52	22P	9.59	2.00	22.76	18.00	13.51	18.00	0.00	0.53	0.00	0.50	36.00	38.50	1	25	1	3	1	0	6.80	244.80				
F0203	0.71	52	10	5.81	2.00	6.52	4.50	9.23	14.50	8.64	3.28	3.75	9.00	19.00	30.00	1	24	31	3	1	0					0.71	13.49
K2102	0.14	62	21	24.21	5.79	18.01	13.16	17.01	25.79	13.37	6.43	2.47	7.89	38.95	52.63	1	12	20	3	1	0	0.14	5.45				
K2104	8.49	51	31	21.32	6.00	18.25	14.00	19.08	27.00	0.00	0.00	0.00	0.00	41.00	47.00	2	45	0	3	1	1	8.49	348.09				
K2106	3.43	57	21	7.08	1.67	18.46	14.44	16.16	25.56	5.48	0.00	0.73	1.11	40.00	42.78	2	36	2	3	1	1	3.43	137.20				
K2219	16.23	64	21	22.33	5.88	11.11	8.24	9.77	15.29	4.95	0.94	0.55	1.76	23.53	31.18	1	15	7	3	1	0					16.23	381.89
K2220	19.51	50	31	19.33	6.00	14.89	11.00	20.80	30.50	3.09	0.00	0.24	0.50	41.50	48.00	1	34	1	3	1	1	19.51	809.67				
pp970*	13.12	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					13.12	0.00
pp971*	3.23	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.23	0.00
pp972*	5.81	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.81	0.00
pp973*	3.73	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.73	0.00
	310.57																					**255.06**	**10,245.41**	**0.00**	**0.00**	**48.27**	**504.18**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0413	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	1.06	41.87				
D0415	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	20.22	849.24				
D0510	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	18.49	748.85				
F0201	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	9.52	476.00				
F0202	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	6.80	244.80				
F0203	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.71	13.49
K2102	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	0.14	5.45				
K2104	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	6.48	265.68				
K2106	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	0.31	12.40				
K2219	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					15.39	362.13
K2220	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	6.19	256.89				
pp972*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.31	0.00
pp973*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.23	0.00
			TOTAL REMOVALS	**69.21**	**2,901.18**	**0.00**	**0.00**	**21.64**	**375.62**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**185.85**	**7,344.23**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**26.63**	**128.56**
SUB-TOTAL	**212.48**	**7,472.79**
non-contiguous habitat	**-5.38**	**-219.71**
TOTAL	**207.10**	**7,253.08**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
22P = Slash Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
53* = White Oak-Red Oak-Hickory (managed for hardwoods)

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Stands F0201, K2104 and K2106 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from these stands were not considered.

Table D-38. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D05-04R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0410	10.46	48	31	18.68	7.50	40.08	29.50	14.40	20.50	0.00	0.92	0.00	0.50	50.00	58.00	1	30	2	3	2	4.15	PS					10.46	523.00
D0411	5.44	40	21	43.28	12.94	12.42	9.41	7.50	10.59	3.00	0.00	0.00	0.00	20.00	32.94	1	24	0	3	2	3.24	PS					5.44	108.80
D0412	20.42	46	13	7.79	2.50	12.13	9.50	14.44	21.50	0.00	1.33	4.11	9.50	31.00	43.00	2	39	17	3	2	4.05	PS					20.42	633.02
D0413	47.31	75	31	11.37	3.50	20.39	15.50	15.70	24.00	1.11	0.00	0.69	2.00	39.50	45.00	1	21	2	3	2	4.28	PS					47.31	1,868.75
D0414	7.24	0	53*	6.16	1.50	0.52	0.50	2.71	5.00	13.18	6.92	6.90	17.00	5.50	24.00	2	17	81	3	2	2.60	NH					0.00	0.00
D0415	48.27	49	31	15.43	4.50	19.88	14.50	19.02	27.50	0.00	0.58	0.67	1.50	42.00	48.00	1	41	3	3	2	4.41	PS					48.27	2,027.34
D0509	14.15	64	21	4.28	1.00	8.44	6.00	16.67	27.50	28.86	6.64	3.62	10.00	33.50	44.50	1	31	29	3	1	4.23	PS					14.15	474.03
D0510	66.31	44	31	16.97	4.00	16.52	12.50	17.68	28.00	6.41	1.11	3.20	7.50	40.50	52.00	1	34	11	3	1	4.00	PS					66.31	2,685.56
F0201	9.77	44	25	3.18	1.11	23.01	17.78	23.30	32.22	0.00	0.00	0.00	0.00	50.00	51.11	1	12	0	3	1	3.95	PS					9.77	488.50
F0202	6.80	52	22P	9.59	2.00	22.76	18.00	13.51	18.00	0.00	0.53	0.00	0.50	36.00	38.50	1	25	1	3	1	3.85	PS					6.80	244.80
F0203	0.71	52	10	5.81	2.00	6.52	4.50	9.23	14.50	8.64	3.28	3.75	9.00	19.00	30.00	1	24	31	3	1	3.41	PS					0.71	13.49
K2102	0.14	62	21	24.21	5.79	18.01	13.16	17.01	25.79	13.37	6.43	2.47	7.89	38.95	52.63	1	12	20	3	1	4.01	PS					0.14	5.45
K2104	8.49	51	31	21.32	6.00	18.25	14.00	19.08	27.00	0.00	0.00	0.00	0.00	41.00	47.00	2	45	0	3	1	4.38	PS					8.49	348.09
K2106	3.43	57	21	7.08	1.67	18.46	14.44	16.16	25.56	5.48	0.00	0.73	1.11	40.00	42.78	2	36	2	3	1	4.14	PS					3.43	137.20
K2219	16.23	64	21	22.33	5.88	11.11	8.24	9.77	15.29	4.95	0.94	0.55	1.76	23.53	31.18	1	15	7	3	1	3.62	PS					16.23	381.89
K2220	19.51	50	31	19.33	6.00	14.89	11.00	20.80	30.50	3.09	0.00	0.24	0.50	41.50	48.00	1	34	1	3	1	4.29	PS					19.51	809.67
pp970*	13.12	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	NH					13.12	0.00
pp971*	3.23	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	NH					3.23	0.00
pp972*	5.81	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	NH					5.81	0.00
pp973*	3.73	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	NH					3.73	0.00
	310.57																						**0.00**	**0.00**	**0.00**	**0.00**	**303.33**	**10,749.59**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0413	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.06	41.87
D0415	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					20.22	849.24
D0510	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					18.49	748.85
F0201	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					9.52	476.00
F0202	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					6.80	244.80
F0203	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.71	13.49
K2102	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.14	5.45
K2104	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					6.48	265.68
K2106	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.31	12.40
K2219	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					15.39	362.13
K2220	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					6.19	256.89
pp972*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.31	0.00
pp973*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.23	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**90.85**	**3,276.80**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**212.48**	**7,472.79**
SUB-TOTAL	**212.48**	**7,472.79**
non-contiguous habitat	**-5.38**	**-219.71**
TOTAL	**207.10**	**7,253.08**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
22P = Slash Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
53* = White Oak-Red Oak-Hickory (managed for hardwoods)

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Stands F0201, K2104 and K2106 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from these stands were not considered.

Table D-39. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D08-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0717	1.01	19	31P	311.72	98.00	37.62	22.00	0.00	0.00	9.32	0.00	0.00	0.00	22.00	120.00	1	11	0	3	1	0					0.00	0.00
D0719	6.68	50	10	45.10	13.33	10.86	7.78	5.94	9.44	10.65	9.20	5.95	15.00	17.22	45.56	6	27	47	3	1	0					0.00	0.00
D0721	0.52	35	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
D0805	30.68	92	66****	6.35	1.50	1.06	1.00	3.06	5.00	36.40	29.84	13.02	40.00	6.00	47.50	7	11	91	3	1	0					0.00	0.00
D0808	12.80	78	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					12.80	0.00
D0809	44.16	55	32	28.96	8.95	29.61	20.53	15.32	21.58	4.24	4.59	2.76	6.84	42.11	57.89	1	37	14	3	1	1	44.16	1,859.58				
D0811	17.95	99	31	11.97	3.00	2.23	2.00	7.34	12.00	2.03	4.53	1.79	7.00	14.00	24.00	2	26	40	3	1	0					17.95	251.30
D0813	8.92	90	42**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					8.92	0.00
D0815	14.57	90	32	17.46	4.50	13.81	9.00	3.16	5.00	27.37	9.27	1.20	8.00	14.00	26.50	1	32	38	3	1	0					14.57	203.98
D0818	42.44	83	32	23.72	6.32	16.83	12.63	11.94	18.42	8.98	3.43	0.87	4.21	31.05	41.58	1	29	13	3	1	0	42.44	1,317.76				
D0819	51.22	62	42**	3.00	1.05	3.35	2.11	7.35	12.11	36.18	25.41	10.51	34.21	14.21	49.47	2	22	77	3	1	0					0.00	0.00
D0820	0.39	105	57***	6.05	1.67	2.44	1.67	3.66	5.56	2.31	5.63	3.76	10.00	7.22	18.89	1	47	61	3	1	0					0.00	0.00
D0914	0.68	58	31U	2.85	1.05	6.12	4.74	18.10	30.00	9.51	0.91	0.67	1.58	34.74	37.37	2	23	6	3	1	0	0.68	23.62				
D0915	36.33	58	32	31.55	7.50	8.92	6.88	11.07	16.88	6.89	5.55	2.28	6.88	23.75	38.13	2	32	28	3	1	0					36.33	862.84
D0916	2.00	0	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					2.00	0.00
D0917	4.17	0	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					4.17	0.00
I0304	1.59	68	25U	7.74	3.33	11.06	8.33	19.86	35.00	20.16	2.44	2.30	6.67	43.33	53.33	1	18	13	3	1	1	1.59	68.89				
I0305	11.48	68	25	23.06	7.50	23.81	17.50	14.01	18.00	2.68	1.40	0.26	1.50	35.50	44.50	1	31	4	3	1	0	11.48	407.54				
I0312	0.12	60	25	74.91	21.50	24.15	16.00	6.08	8.50	14.02	0.90	0.00	0.50	24.50	46.50	1	20	3	3	1	0					0.12	2.94
I0402	12.74	40	25	21.76	5.00	12.22	9.50	15.30	24.00	2.31	0.79	0.65	2.00	33.50	40.50	1	46	5	3	1	0	12.74	426.79				
pp115*	5.85	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.85	0.00
pp116*	4.80	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.80	0.00
pp117*	16.49	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					16.49	0.00
pp233*	1.36	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp439*	3.48	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.48	0.00
pp440*	5.36	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.36	0.00
pp441*	6.64	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					6.64	0.00
	344.36																					**113.10**	**4,104.18**	**0.00**	**0.00**	**139.48**	**1,321.06**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0915	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.71	16.86
I0304	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.38	16.47				
I0305	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.71	25.21				
I0402	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.52	50.92				
			TOTAL REMOVALS	**2.61**	**92.60**	**0.00**	**0.00**	**0.71**	**16.86**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**110.49**	**4,011.58**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**138.77**	**1,304.20**
TOTAL	**249.25**	**5,315.78**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21P = Longleaf Pine Plantation
25 = Mixed Pine
25U = Mixed Pine Underplanted
31 = Loblolly Pine
31P = Loblolly Pine Plantation
31U = Loblolly Pine Underplanted
32 = Shortleaf Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
57*** = Scrub Oak (managed for hardwoods)
66**** = Oak-Hickory (managed for hardwoods)
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-40. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D08-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0717	1.01	19	31P	311.72	98.00	37.62	22.00	0.00	0.00	9.32	0.00	0.00	0.00	22.00	120.00	1	11	0	3	1	2.21	NH					0.00	0.00
D0719	6.68	50	10	45.10	13.33	10.86	7.78	5.94	9.44	10.65	9.20	5.95	15.00	17.22	45.56	6	27	47	3	1	2.67	PS					0.00	0.00
D0721	0.52	35	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.89	PS					0.00	0.00
D0805	30.68	92	66***	6.35	1.50	1.06	1.00	3.06	5.00	36.40	29.84	13.02	40.00	6.00	47.50	7	11	91	3	1	2.66	PS					0.00	0.00
D0808	12.80	78	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.31	PS					12.80	0.00
D0809	44.16	55	32	28.96	8.95	29.61	20.53	15.32	21.58	4.24	4.59	2.76	6.84	42.11	57.89	1	37	14	3	1	4.12	PS					44.16	1,859.58
D0811	17.95	99	31	11.97	3.00	2.23	2.00	7.34	12.00	2.03	4.53	1.79	7.00	14.00	24.00	2	26	40	3	1	3.39	PS					17.95	251.30
D0813	8.92	90	42**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.31	PS					8.92	0.00
D0815	14.57	90	32	17.46	4.50	13.81	9.00	3.16	5.00	27.37	9.27	1.20	8.00	14.00	26.50	1	32	38	3	1	3.20	PS					14.57	202.58
D0818	42.44	83	32	23.72	6.32	16.83	12.63	11.94	18.42	8.98	3.43	0.87	4.21	31.05	41.58	1	29	13	3	1	3.77	PS					42.44	1,314.66
D0819	51.22	62	42**	3.00	1.05	3.35	2.11	7.35	12.11	36.18	25.41	10.51	34.21	14.21	49.47	2	22	77	3	1	3.39	PS					0.00	0.00
D0820	0.39	105	57***	6.05	1.67	2.44	1.67	3.66	5.56	2.31	5.63	3.76	10.00	7.22	18.89	1	47	61	3	1	3.30	PS					0.00	0.00
D0914	0.68	58	31U	2.85	1.05	6.12	4.74	18.10	30.00	9.51	0.91	0.67	1.58	34.74	37.37	2	23	6	3	1	4.14	PS					0.68	23.62
D0915	36.33	58	32	31.55	7.50	8.92	6.88	11.07	16.88	6.89	5.55	2.28	6.88	23.75	38.13	2	32	28	3	1	3.67	PS					36.33	862.84
D0916	2.00	0	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					2.00	0.00
D0917	4.17	0	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					4.17	0.00
I0304	1.59	68	25U	7.74	3.33	11.06	8.33	19.86	35.00	20.16	2.44	2.30	6.67	43.33	53.33	1	18	13	3	1	4.23	PS			1.59	68.89		
I0305	11.48	68	25	23.06	7.50	23.81	17.50	14.01	18.00	2.68	1.40	0.26	1.50	35.50	44.50	1	31	4	3	1	4.08	PS					11.48	407.54
I0312	0.12	60	25	74.91	21.50	24.15	16.00	6.08	8.50	14.02	0.90	0.00	0.50	24.50	46.50	1	20	3	3	1	2.96	PS					0.12	2.94
I0402	12.74	40	25	21.76	5.00	12.22	9.50	15.30	24.00	2.31	0.79	0.65	2.00	33.50	40.50	1	46	5	3	1	3.90	PS					12.74	426.79
pp115*	5.85	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					5.85	0.00
pp116*	4.80	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.80	0.00
pp117*	16.49	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					16.49	0.00
pp233*	1.36	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp439*	3.48	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.48	0.00
pp440*	5.36	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					5.36	0.00
pp441*	6.64	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					6.64	0.00
	344.36																						**0.00**	**0.00**	**1.59**	**68.89**	**250.98**	**5,351.85**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0915	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.71	16.86
I0304	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.38	16.47		
I0305	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.71	25.21
I0402	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.52	50.92
			TOTAL REMOVALS	**0.00**	**0.00**	**0.38**	**16.47**	**2.94**	**92.99**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**1.21**	**52.42**
Future Potential Habitat	**248.04**	**5,258.86**
TOTAL	**249.25**	**5,315.78**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21P = Longleaf Pine Plantation
25 = Mixed Pine
25U = Mixed Pine Underplanted
31 = Loblolly Pine
31P = Loblolly Pine Plantation
31U = Loblolly Pine Underplanted
32 = Shortleaf Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
57*** = Scrub Oak (managed for hardwoods)
66**** = Oak-Hickory (managed for hardwoods)
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-41. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D10-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1001	0.28	46	62**	39.31	10.00	6.84	4.74	5.03	9.47	34.67	9.64	8.72	20.00	14.21	44.21	2	26	61	3	1	0					0.00	0.00
D1004	13.56	54	31U	9.59	2.50	22.94	17.50	13.17	17.50	5.16	1.77	2.10	4.50	35.00	42.00	4	59	10	3	1	0			0.00	0.00		
D1005	4.28	54	31	15.27	5.00	10.52	7.50	23.45	35.00	31.92	3.79	0.00	2.50	42.50	50.00	2	18	10	3	1	1	0.00	0.00				
D1006	3.29	12	31	237.54	47.50	0.00	0.00	0.00	0.00	18.75	4.41	2.18	5.00	0.00	52.50	1	3	100	3	1	0					0.00	0.00
D1016	2.48	84	13	9.97	2.50	2.21	1.50	8.97	17.50	14.38	12.87	8.22	26.00	19.00	47.50	5	22	65	3	1	0					0.00	0.00
D1112	3.04	90	26	27.98	6.50	9.87	7.50	15.59	23.50	26.72	7.36	6.09	13.50	31.00	51.00	1	33	35	3	1	0	0.00	0.00				
D1114	3.98	56	26	13.70	4.00	5.66	4.00	14.40	24.00	8.13	6.30	2.53	8.00	28.00	40.00	1	41	31	3	1	0					3.98	111.44
D1122	1.37	6	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
D1712	1.41	79	21	28.01	7.50	20.18	15.50	17.01	25.00	15.71	4.28	0.24	4.00	40.50	52.00	1	39	11	3	1	1	1.41	57.11				
D1716	0.91	85	25	45.18	11.00	7.34	5.50	15.81	27.00	8.10	0.54	0.00	0.50	32.50	44.00	1	41	2	3	1	0	0.91	29.58				
D1718	1.30	67	31	1.21	0.50	9.38	7.00	16.71	27.50	7.62	1.48	0.63	2.00	34.50	37.00	2	51	7	3	1	0	1.30	44.85				
D1720	6.54	92	66***	22.91	7.00	10.36	7.50	4.10	5.00	47.55	23.77	4.79	25.00	12.50	44.50	1	37	66	3	1	0					0.00	0.00
D1722	11.12	49	25	123.03	33.00	18.77	12.50	3.28	4.50	14.06	1.43	2.32	5.50	17.00	55.50	1	40	15	3	1	0					11.12	189.04
D1729	40.62	81	31	8.34	2.50	7.94	6.00	18.15	27.00	1.87	1.22	0.45	1.50	33.00	37.00	1	46	6	3	1	0	40.62	1,340.46				
D1730	14.04	78	32	47.81	13.50	14.11	9.50	10.14	17.00	1.02	4.08	3.42	8.50	26.50	48.50	1	37	24	3	1	0					14.04	372.06
D1733	5.67	72	31	16.19	4.50	14.50	10.00	12.57	19.00	7.27	4.84	2.20	7.50	29.00	41.00	2	23	21	3	1	0					0.00	0.00
pp259*	12.52	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					12.52	0.00
pp396*	0.37	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp514*	22.24	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					22.24	0.00
pp515*	0.06	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp728*	0.03	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp729*	6.15	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp730*	11.98	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp731*	2.70	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp806*	12.76	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					12.76	0.00
	182.70																					**44.24**	**1,472.00**	**0.00**	**0.00**	**76.66**	**672.54**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp259*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.35	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**1.35**	**0.00**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**44.24**	**1,472.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**75.31**	**672.54**
TOTAL	**119.55**	**2,144.54**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31U = Loblolly Pine Underplanted
32 = Shortleaf Pine
62** = Sweetgum-Water Oak-Willow Oak (managed for hardwoods)
66*** = Oak-Hickory (managed for hardwoods)
ND = No data provided

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-42. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D10-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1001	0.28	46	62**	39.31	10.00	6.84	4.74	5.03	9.47	34.67	9.64	8.72	20.00	14.21	44.21	2	26	61	3	1	2.91	PS					0.00	0.00
D1004	13.56	54	31U	9.59	2.50	22.94	17.50	13.17	17.50	5.16	1.77	2.10	4.50	35.00	42.00	4	59	10	3	1	3.94	PS					0.00	0.00
D1005	4.28	54	31	15.27	5.00	10.52	7.50	23.45	35.00	31.92	3.79	0.00	2.50	42.50	50.00	2	18	10	3	1	4.09	PS					0.00	0.00
D1006	3.29	12	31	237.54	47.50	0.00	0.00	0.00	0.00	18.75	4.41	2.18	5.00	0.00	52.50	1	3	100	3	1	2.05	NH					0.00	0.00
D1016	2.48	84	13	9.97	2.50	2.21	1.50	8.97	17.50	14.38	12.87	8.22	26.00	19.00	47.50	5	22	65	3	1	3.15	PS					0.00	0.00
D1112	3.04	90	26	27.98	6.50	9.87	7.50	15.59	23.50	26.72	7.36	6.09	13.50	31.00	51.00	1	33	35	3	1	4.15	PS					0.00	0.00
D1114	3.98	56	26	13.70	4.00	5.66	4.00	14.40	24.00	8.13	6.30	2.53	8.00	28.00	40.00	1	41	31	3	1	4.14	PS					3.98	111.44
D1122	1.37	6	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.00	0.00
D1712	1.41	79	21	28.01	7.50	20.18	15.50	17.01	25.00	15.71	4.28	0.24	4.00	40.50	52.00	1	39	11	3	1	4.25	PS					1.41	57.11
D1716	0.91	85	25	45.18	11.00	7.34	5.50	15.81	27.00	8.10	0.54	0.00	0.50	32.50	44.00	1	41	2	3	1	4.20	PS					0.91	29.58
D1718	1.30	67	31	1.21	0.50	9.38	7.00	16.71	27.50	7.62	1.48	0.63	2.00	34.50	37.00	2	51	7	3	1	4.33	PS					1.30	44.85
D1720	6.54	92	66***	22.91	7.00	10.36	7.50	4.10	5.00	47.55	23.77	4.79	25.00	12.50	44.50	1	37	66	3	1	3.19	PS					0.00	0.00
D1722	11.12	49	25	123.03	33.00	18.77	12.50	3.28	4.50	14.06	1.43	2.32	5.50	17.00	55.50	1	40	15	3	1	2.63	PS					11.12	189.04
D1729	40.62	81	31	8.34	2.50	7.94	6.00	18.15	27.00	1.87	1.22	0.45	1.50	33.00	37.00	1	46	6	3	1	4.48	PS					40.62	1,340.46
D1730	14.04	78	32	47.81	13.50	14.11	9.50	10.14	17.00	1.02	4.08	3.42	8.50	26.50	48.50	1	37	24	3	1	3.76	PS					14.04	372.06
D1733	5.67	72	31	16.19	4.50	14.50	10.00	12.57	19.00	7.27	4.84	2.20	7.50	29.00	41.00	2	23	21	3	1	3.79	PS					0.00	0.00
pp259*	12.52	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					12.52	0.00
pp396*	0.37	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp514*	22.24	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					22.24	0.00
pp515*	0.06	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp728*	0.03	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp729*	6.15	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp730*	11.98	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp731*	2.70	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp806*	12.76	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					12.76	0.00
	182.70																						**0.00**	**0.00**	**0.00**	**0.00**	**120.90**	**2,144.54**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp259*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.35	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**1.35**	**0.00**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**119.55**	**2,144.54**
TOTAL	**119.55**	**2,144.54**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31U = Loblolly Pine Underplanted
32 = Shortleaf Pine
62** = Sweetgum-Water Oak-Willow Oak (managed for hardwoods)
66*** = Oak-Hickory (managed for hardwoods)
ND = No data provided

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-43. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D11-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1102	2.42	87	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	0					2.42	62.92
D1103	0.41	87	21	10.52	2.50	12.22	9.50	27.54	41.00	3.61	0.68	0.78	1.50	50.50	54.50	1	21	4	3	1	1	0.41	20.71				
D1109	63.68	77	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	0	63.68	2,451.68				
D1110	0.92	6	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.92	0.00
D1112	7.17	90	26	27.98	6.50	9.87	7.50	15.59	23.50	26.72	7.36	6.09	13.50	31.00	51.00	1	33	35	3	1	0	7.17	222.27				
D1115	19.04	68	31U	16.31	4.00	9.15	7.00	19.10	29.50	5.16	2.20	2.18	5.50	36.50	46.00	1	40	13	3	1	0	19.04	694.96				
D1122	0.08	6	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
E0406	1.41	75	10	18.48	5.26	10.78	7.37	11.06	16.32	2.76	3.39	4.75	12.11	23.68	41.05	2	48	27	3	1	0					1.41	33.39
E0413	2.72	78	31	13.21	4.00	7.49	5.50	15.39	25.00	10.36	6.20	5.17	12.00	30.50	46.50	1	44	33	3	1	0	2.72	82.96				
pp515*	13.46	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					13.46	0.00
pp516*	26.19	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					26.19	0.00
pp539*	0.85	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.85	0.00
pp540*	2.34	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.34	0.00
pp731*	1.88	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.88	0.00
	142.57																					**93.02**	**3,472.58**	**0.00**	**0.00**	**49.47**	**96.31**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1109	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	27.61	1,062.99				
D1110	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.89	0.00
D1115	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	19.04	694.96				
E0406	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.32	31.26
E0413	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	2.58	78.69				
pp515*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					13.46	0.00
pp516*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					11.66	0.00
pp539*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.85	0.00
pp540*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.34	0.00
pp731*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.85	0.00
			TOTAL REMOVALS	**49.23**	**1,836.64**	**0.00**	**0.00**	**32.37**	**31.26**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**43.79**	**1,635.94**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**17.10**	**65.05**
TOTAL	**60.89**	**1,700.99**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
31U = Loblolly Pine Underplanted
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-44. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D11-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1102	2.42	87	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	3.44	PS					2.42	62.92
D1103	0.41	87	21	10.52	2.50	12.22	9.50	27.54	41.00	3.61	0.68	0.78	1.50	50.50	54.50	1	21	4	3	1	4.33	PS			0.41	20.71		
D1109	63.68	77	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	4.28	PS					63.68	2,451.68
D1110	0.92	6	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.92	0.00
D1112	7.17	90	26	27.98	6.50	9.87	7.50	15.59	23.50	26.72	7.36	6.09	13.50	31.00	51.00	1	33	35	3	1	4.15	PS					7.17	222.27
D1115	19.04	68	31U	16.31	4.00	9.15	7.00	19.10	29.50	5.16	2.20	2.18	5.50	36.50	46.00	1	40	13	3	1	4.38	PS					19.04	694.96
D1122	0.08	6	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.00	0.00
E0406	1.41	75	10	18.48	5.26	10.78	7.37	11.06	16.32	2.76	3.39	4.75	12.11	23.68	41.05	2	48	27	3	1	3.94	PS					1.41	33.39
E0413	2.72	78	31	13.21	4.00	7.49	5.50	15.39	25.00	10.36	6.20	5.17	12.00	30.50	46.50	1	44	33	3	1	4.28	PS					2.72	82.96
pp515*	13.46	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					13.46	0.00
pp516*	26.19	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					26.19	0.00
pp539*	0.85	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.85	0.00
pp540*	2.34	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.34	0.00
pp731*	1.88	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.88	0.00
	142.57																						**0.00**	**0.00**	**0.41**	**20.71**	**142.08**	**3,548.18**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1109	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					27.61	1,062.99
D1110	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.89	0.00
D1115	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					19.04	694.96
E0406	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.32	31.26
E0413	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.58	78.69
pp515*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					13.46	0.00
pp516*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					11.66	0.00
pp539*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.85	0.00
pp540*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.34	0.00
pp731*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.85	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**81.60**	**1,867.90**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.41**	**20.71**
Future Potential Habitat	**60.48**	**1,680.28**
TOTAL	**60.89**	**1,700.99**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
31U = Loblolly Pine Underplanted
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-45. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D11-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1102	16.14	87	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	0					16.14	419.64
D1103	0.49	87	21	10.52	2.50	12.22	9.50	27.54	41.00	3.61	0.68	0.78	1.50	50.50	54.50	1	21	4	3	1	1	0.49	24.75				
D1109	45.90	77	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	0	45.90	1,767.15				
D1115	0.15	68	31U	16.31	4.00	9.15	7.00	19.10	29.50	5.16	2.20	2.18	5.50	36.50	46.00	1	40	13	3	1	0	0.15	5.48				
D1243	5.76	43	25	6.66	2.50	14.75	11.00	10.30	14.50	23.82	2.23	0.39	2.00	25.50	30.00	1	24	9	3	1	0					5.76	146.88
E0402	21.34	75	25	17.25	3.50	11.65	8.50	17.22	27.50	10.48	2.82	2.73	7.00	36.00	46.50	1	31	16	3	1	0	21.34	768.24				
E0403	35.16	54	25	13.20	4.00	28.73	19.50	12.01	16.50	1.16	1.31	1.92	4.00	36.00	44.00	1	44	7	3	1	0	35.16	1,265.76				
E0406	31.21	75	10	18.48	5.26	10.78	7.37	11.06	16.32	2.76	3.39	4.75	12.11	23.68	41.05	2	48	27	3	1	0					31.21	739.05
E0413	5.36	78	31	13.21	4.00	7.49	5.50	15.39	25.00	10.36	6.20	5.17	12.00	30.50	46.50	1	44	33	3	1	0	5.36	163.48				
pp325*	2.70	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.70	0.00
	164.21																					**108.40**	**3,994.86**	**0.00**	**0.00**	**55.81**	**1,305.57**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1102	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.44	89.44
D1109	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	27.94	1,075.69				
D1115	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	0.15	5.48				
D1243	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.86	47.43
E0402	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	15.04	541.44				
E0403	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	21.63	778.68				
E0406	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					13.02	308.31
E0413	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	2.95	89.98				
pp325*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.75	0.00
			TOTAL REMOVALS	**67.71**	**2,491.27**	**0.00**	**0.00**	**19.07**	**445.18**

POST-PROJECT

	2009	
	Acres	**BA**
Suitable Habitat	**40.69**	**1,503.59**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**36.74**	**860.39**
SUB-TOTAL	**77.43**	**2,363.98**
non-contiguous habitat	**-42.38**	**-1,218.12**
TOTAL	**35.05**	**1,145.86**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31U = Loblolly Pine Underplanted

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands E0402, E0403, E0406, E0413 and pp325 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-46. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D11-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1102	16.14	87	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	3.44	PS					16.14	419.64
D1103	0.49	87	21	10.52	2.50	12.22	9.50	27.54	41.00	3.61	0.68	0.78	1.50	50.50	54.50	1	21	4	3	1	4.33	PS			0.49	24.75		
D1109	45.90	77	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	4.28	PS					45.90	1,767.15
D1115	0.15	68	31U	16.31	4.00	9.15	7.00	19.10	29.50	5.16	2.20	2.18	5.50	36.50	46.00	1	40	13	3	1	4.38	PS					0.15	5.48
D1243	5.76	43	25	6.66	2.50	14.75	11.00	10.30	14.50	23.82	2.23	0.39	2.00	25.50	30.00	1	24	9	3	1	3.32	PS					5.76	146.88
E0402	21.34	75	25	17.25	3.50	11.65	8.50	17.22	27.50	10.48	2.82	2.73	7.00	36.00	46.50	1	31	16	3	1	4.23	PS					21.34	768.24
E0403	35.16	54	25	13.20	4.00	28.73	19.50	12.01	16.50	1.16	1.31	1.92	4.00	36.00	44.00	1	44	7	3	1	3.90	PS					35.16	1,265.76
E0406	31.21	75	10	18.48	5.26	10.78	7.37	11.06	16.32	2.76	3.39	4.75	12.11	23.68	41.05	2	48	27	3	1	3.94	PS					31.21	739.05
E0413	5.36	78	31	13.21	4.00	7.49	5.50	15.39	25.00	10.36	6.20	5.17	12.00	30.50	46.50	1	44	33	3	1	4.28	PS					5.36	163.48
pp325*	2.70	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.70	0.00
	164.21																						**0.00**	**0.00**	**0.49**	**24.75**	**163.72**	**5,275.68**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1102	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.44	89.44
D1109	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					27.94	1,075.69
D1115	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.15	5.48
D1243	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.86	47.43
E0402	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					15.04	541.44
E0403	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					21.63	778.68
E0406	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					13.02	308.31
E0413	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.95	89.98
pp325*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.75	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**86.78**	**2,936.45**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.49**	**24.75**
Future Potential Habitat	**76.94**	**2,339.23**
SUB-TOTAL	**77.43**	**2,363.98**
non-contiguous habitat	**-42.38**	**-1,218.12**
TOTAL	**35.05**	**1,145.86**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31U = Loblolly Pine Underplanted

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands E0402, E0403, E0406, E0413 and pp325 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-47. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D15-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0204	52.78	50	31	36.77	12.50	22.49	16.50	17.14	24.50	12.14	2.91	2.01	5.00	41.00	58.50	1	21	11	3	2	1	52.78	2,163.98				
D1415	1.16	52	31	31.59	10.00	21.16	14.50	3.92	5.50	0.00	0.00	0.00	0.00	20.00	30.00	1	28	0	3	1	0					1.16	23.20
D1417	2.98	19	31	52.73	13.33	10.81	6.67	0.00	0.00	0.00	0.00	0.00	0.00	6.67	20.00	1	30	0	3	1	0					2.98	19.88
D1503	23.38	79	10	15.16	5.00	8.15	5.50	9.43	18.50	16.80	4.54	6.30	13.50	24.00	42.50	1	25	38	3	1	0					23.38	561.12
D1504	19.96	49	31	58.72	14.00	16.51	11.00	4.06	5.00	11.91	11.78	3.25	12.50	16.00	42.50	7	21	42	3	1	0					19.96	319.36
D1507	4.69	28	31	3.16	1.43	12.35	8.57	12.11	15.71	18.11	7.89	1.25	7.14	24.29	32.86	6	14	27	3	1	0					4.69	113.92
D1508	14.76	50	31	36.05	10.50	19.20	13.50	15.82	24.50	22.10	2.13	1.01	3.00	38.00	51.50	4	22	8	3	1	0			14.76	560.88		
D1510	37.32	49	21	39.29	10.00	27.01	19.50	19.98	31.50	15.31	5.66	2.10	6.50	51.00	67.50	1	16	14	3	1	1	37.32	1,903.32				
D1515	9.84	58	31	23.44	6.00	13.71	9.50	8.80	11.50	18.77	4.40	0.00	3.00	21.00	30.00	1	28	16	3	1	0					9.84	206.64
D1516	8.33	84	26	9.64	3.75	13.14	10.00	32.27	56.25	0.00	0.00	0.00	0.00	66.25	70.00	2	13	0	3	1	1	8.33	551.86				
D1519	8.40	47	21	27.60	6.50	15.79	11.00	12.22	17.50	10.17	2.54	1.26	4.00	28.50	39.00	2	11	12	3	1	0					8.40	239.40
D1523	46.95	84	26	14.44	4.00	16.29	12.00	14.83	25.00	4.91	3.68	0.76	4.00	37.00	45.00	1	36	12	3	1	0	46.95	1,737.15				
D1526	10.86	52	21P	20.19	6.32	29.04	22.11	14.43	19.47	1.44	2.17	1.41	3.16	41.58	51.05	1	22	8	3	1	1	10.86	451.56				
D1601	40.10	52	21	16.55	4.50	9.88	8.00	11.99	19.00	0.00	2.81	1.64	4.50	27.00	36.00	1	18	17	3	1	0					40.10	1,082.70
pp289*	0.60	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.60	0.00
	282.11																					**156.24**	**6,807.87**	**14.76**	**560.88**	**111.12**	**2,566.22**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1519	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.02	0.57
D1523	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	7.89	291.93				
D1601	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					14.03	378.81
			TOTAL REMOVALS	**7.89**	**291.93**	**0.00**	**0.00**	**14.05**	**379.38**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**148.35**	**6,515.94**
Potentially Suitable Habitat	**14.76**	**560.88**
Future Potential Habitat	**97.07**	**2,186.84**
TOTAL	**260.17**	**9,263.66**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-48. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D15-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0204	52.78	50	31	36.77	12.50	22.49	16.50	17.14	24.50	12.14	2.91	2.01	5.00	41.00	58.50	1	21	11	3	2	4.13	PS					52.78	2,163.98
D1415	1.16	52	31	31.59	10.00	21.16	14.50	3.92	5.50	0.00	0.00	0.00	0.00	20.00	30.00	1	28	0	3	1	2.96	PS					1.16	23.20
D1417	2.98	19	31	52.73	13.33	10.81	6.67	0.00	0.00	0.00	0.00	0.00	0.00	6.67	20.00	1	30	0	3	1	2.43	NH					2.98	19.88
D1503	23.38	79	10	15.16	5.00	8.15	5.50	9.43	18.50	16.80	4.54	6.30	13.50	24.00	42.50	1	25	38	3	1	3.74	PS					23.38	561.12
D1504	19.96	49	31	58.72	14.00	16.51	11.00	4.06	5.00	11.91	11.78	3.25	12.50	16.00	42.50	7	21	42	3	1	2.41	PS					19.96	319.36
D1507	4.69	28	31	3.16	1.43	12.35	8.57	12.11	15.71	18.11	7.89	1.25	7.14	24.29	32.86	6	14	27	3	1	2.85	NH					4.69	113.92
D1508	14.76	50	31	36.05	10.50	19.20	13.50	15.82	24.50	22.10	2.13	1.01	3.00	38.00	51.50	4	22	8	3	1	3.39	NH					14.76	560.88
D1510	37.32	49	21	39.29	10.00	27.01	19.50	19.98	31.50	15.31	5.66	2.10	6.50	51.00	67.50	1	16	14	3	1	3.89	PS					37.32	1,903.32
D1515	9.84	58	31	23.44	6.00	13.71	9.50	8.80	11.50	18.77	4.40	0.00	3.00	21.00	30.00	1	28	16	3	1	3.29	PS					9.84	206.64
D1516	8.33	84	26	9.64	3.75	13.14	10.00	32.27	56.25	0.00	0.00	0.00	0.00	66.25	70.00	2	13	0	3	1	4.23	PS			8.33	551.86		
D1519	8.40	47	21	27.60	6.50	15.79	11.00	12.22	17.50	10.17	2.54	1.26	4.00	28.50	39.00	2	11	12	3	1	3.38	PS					8.40	239.40
D1523	46.95	84	26	14.44	4.00	16.29	12.00	14.83	25.00	4.91	3.68	0.76	4.00	37.00	45.00	1	36	12	3	1	4.23	PS					46.95	1,737.15
D1526	10.86	52	21P	20.19	6.32	29.04	22.11	14.43	19.47	1.44	2.17	1.41	3.16	41.58	51.05	1	22	8	3	1	3.89	PS					10.86	451.56
D1601	40.10	52	21	16.55	4.50	9.88	8.00	11.99	19.00	0.00	2.81	1.64	4.50	27.00	36.00	1	18	17	3	1	3.55	PS					40.10	1,082.70
pp289*	0.60	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.60	0.00
	282.11																						**0.00**	**0.00**	**8.33**	**551.86**	**273.78**	**9,383.11**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1519	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.02	0.57
D1523	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					7.89	291.93
D1601	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					14.03	378.81
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**21.94**	**671.31**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**8.33**	**551.86**
Future Potential Habitat	**251.84**	**8,711.80**
TOTAL	**260.17**	**9,263.66**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-49. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D16-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0614	13.72	93	25	25.39	6.00	5.33	4.00	14.99	25.00	6.55	5.59	1.49	6.50	29.00	41.50	2	40	26	3	1	0					13.72	397.88
D0618	18.45	66	25	29.44	6.00	7.67	5.50	8.34	13.00	13.36	3.29	0.86	3.50	18.50	28.00	6	26	21	3	1	0					18.45	341.33
D0623	28.64	45	25	59.39	17.00	20.72	14.50	9.67	13.50	23.65	5.81	0.74	5.50	28.00	50.50	2	29	18	3	1	0					28.64	801.92
D0628	0.67	70	41**	10.27	2.50	2.75	2.00	10.45	18.00	21.11	18.56	23.89	59.50	20.00	82.00	7	15	76	3	1	0					0.00	0.00
D0634	11.54	36	31	56.38	13.00	7.63	5.00	4.47	5.50	31.33	2.74	4.22	9.00	10.50	32.50	6	24	37	3	1	0					11.54	121.17
D0704	16.01	41	25	68.39	18.50	16.04	11.50	4.49	5.50	2.48	0.00	0.37	1.00	17.00	36.50	1	35	2	3	1	0					16.01	272.17
D1012	0.94	19	31	61.60	16.67	5.77	5.00	1.41	1.67	18.82	0.00	0.00	0.00	6.67	23.33	1	35	0	3	1	0					0.94	6.27
D1020	4.36	62	25	7.14	1.58	10.21	8.42	16.55	23.68	7.65	3.82	1.86	5.26	32.11	38.95	1	36	17	3	1	0	4.36	140.00				
D1613	4.08	56	31	33.99	8.00	9.17	6.50	3.89	6.00	2.17	0.86	3.40	6.00	12.50	26.50	7	27	25	3	1	0					4.08	51.00
D1632	7.24	55	21	65.54	13.75	6.21	5.00	6.66	8.75	5.77	1.38	0.73	2.50	13.75	30.00	6	26	14	3	1	0					7.24	99.55
D1634	13.74	63	26	30.30	8.00	5.51	4.00	8.62	13.50	15.53	5.35	2.52	7.50	17.50	33.00	6	31	36	3	1	0					13.74	240.45
D1639	14.82	115	32	24.58	6.00	10.93	8.50	3.06	4.50	0.00	1.44	0.00	1.00	13.00	20.00	6	48	9	3	1	0					14.82	192.66
D1641	20.22	52	31	73.90	15.50	4.06	3.00	10.25	17.50	2.65	4.96	1.04	5.00	20.50	41.00	1	28	30	3	1	0					20.22	414.51
D1644	11.06	63	32	27.79	8.00	15.50	10.50	8.11	11.50	8.00	3.39	1.50	5.00	22.00	35.00	6	38	17	3	1	0					11.06	243.32
D1725	5.17	21	31	66.56	18.00	17.74	12.00	5.68	8.00	2.17	0.68	1.09	2.50	20.00	40.50	6	37	7	3	1	0					5.17	103.40
D1735	0.60	53	31	20.51	5.00	10.41	7.50	9.73	15.50	3.92	5.04	5.32	14.50	23.00	42.50	5	25	34	3	1	0					0.60	13.80
D1738	10.97	56	25	12.56	4.00	17.71	14.00	16.33	22.00	2.54	3.39	1.20	5.50	36.00	45.50	1	29	12	3	1	0	10.97	394.92				
pp137*	1.19	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.19	0.00
pp235*	1.95	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.95	0.00
pp292*	12.48	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					12.48	0.00
pp293*	4.59	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.59	0.00
pp294*	8.71	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					8.71	0.00
pp734*	2.05	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.05	0.00
pp735*	3.18	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.18	0.00
pp736*	0.15	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.15	0.00
	216.53																					**15.33**	**534.92**	**0.00**	**0.00**	**200.53**	**3,299.43**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0623	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					12.90	361.20
D0634	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					11.35	119.18
D0704	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					8.00	136.00
D1634	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.29	5.08
D1641	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.62	12.71
D1644	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					5.36	117.92
pp137*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.81	0.00
pp292*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					9.80	0.00
pp294*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					5.54	0.00
pp734*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.14	0.00
pp735*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.13	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**57.94**	**752.09**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**15.33**	**534.92**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**142.59**	**2,547.34**
SUB-TOTAL	**157.92**	**3,082.26**
non-contiguous habitat	**-67.36**	**-1,366.72**
TOTAL	**90.56**	**1,715.54**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
32 = Shortleaf Pine
41** = Cove Hardwood-Yellow Pine (managed for hardwoods)

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands D0628, D0634, D0704, D1012, D1020, D1613, D1632, D1641, D1644, D1725, D1735, D1738 and pp294 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-50. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D16-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0614	13.72	93	25	25.39	6.00	5.33	4.00	14.99	25.00	6.55	5.59	1.49	6.50	29.00	41.50	2	40	26	3	1	4.17	PS					13.72	397.88
D0618	18.45	66	25	29.44	6.00	7.67	5.50	8.34	13.00	13.36	3.29	0.86	3.50	18.50	28.00	6	26	21	3	1	3.14	PS					18.45	341.33
D0623	28.64	45	25	59.39	17.00	20.72	14.50	9.67	13.50	23.65	5.81	0.74	5.50	28.00	50.50	2	29	18	3	1	3.27	PS					28.64	801.92
D0628	0.67	70	41**	10.27	2.50	2.75	2.00	10.45	18.00	21.11	18.56	23.89	59.50	20.00	82.00	7	15	76	3	1	3.29	PS					0.00	0.00
D0634	11.54	36	31	56.38	13.00	7.63	5.00	4.47	5.50	31.33	2.74	4.22	9.00	10.50	32.50	6	24	37	3	1	2.38	PS					11.54	121.17
D0704	16.01	41	25	68.39	18.50	16.04	11.50	4.49	5.50	2.48	0.00	0.37	1.00	17.00	36.50	1	35	2	3	1	2.82	PS					16.01	272.17
D1012	0.94	19	31	61.60	16.67	5.77	5.00	1.41	1.67	18.82	0.00	0.00	0.00	6.67	23.33	1	35	0	3	1	2.41	NH					0.94	6.27
D1020	4.36	62	25	7.14	1.58	10.21	8.42	16.55	23.68	7.65	3.82	1.86	5.26	32.11	38.95	1	36	17	3	1	4.18	PS					4.36	140.00
D1613	4.08	56	31	33.99	8.00	9.17	6.50	3.89	6.00	2.17	0.86	3.40	6.00	12.50	26.50	7	27	25	3	1	2.58	PS					4.08	51.00
D1632	7.24	55	21	65.54	13.75	6.21	5.00	6.66	8.75	5.77	1.38	0.73	2.50	13.75	30.00	6	26	14	3	1	2.81	PS					7.24	99.55
D1634	13.74	63	26	30.30	8.00	5.51	4.00	8.62	13.50	15.53	5.35	2.52	7.50	17.50	33.00	6	31	36	3	1	3.24	PS					13.74	240.45
D1639	14.82	115	32	24.58	6.00	10.93	8.50	3.06	4.50	0.00	1.44	0.00	1.00	13.00	20.00	6	48	9	3	1	2.92	PS					14.82	192.66
D1641	20.22	52	31	73.90	15.50	4.06	3.00	10.25	17.50	2.65	4.96	1.04	5.00	20.50	41.00	1	28	30	3	1	3.52	PS					20.22	414.51
D1644	11.06	63	32	27.79	8.00	15.50	10.50	8.11	11.50	8.00	3.39	1.50	5.00	22.00	35.00	6	38	17	3	1	3.29	PS					11.06	243.32
D1725	5.17	21	31	66.56	18.00	17.74	12.00	5.68	8.00	2.17	0.68	1.09	2.50	20.00	40.50	6	37	7	3	1	2.52	NH					5.17	103.40
D1735	0.60	53	31	20.51	5.00	10.41	7.50	9.73	15.50	3.92	5.04	5.32	14.50	23.00	42.50	5	25	34	3	1	3.36	PS					0.60	13.80
D1738	10.97	56	25	12.56	4.00	17.71	14.00	16.33	22.00	2.54	3.39	1.20	5.50	36.00	45.50	1	29	12	3	1	3.99	PS					10.97	394.92
pp137*	1.19	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.19	0.00
pp235*	1.95	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.95	0.00
pp292*	12.48	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					12.48	0.00
pp293*	4.59	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.59	0.00
pp294*	8.71	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					8.71	0.00
pp734*	2.05	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.05	0.00
pp735*	3.18	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.18	0.00
pp736*	0.15	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.15	0.00
	216.53																						**0.00**	**0.00**	**0.00**	**0.00**	**215.86**	**3,834.35**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0623	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					12.90	361.20
D0634	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					11.35	119.18
D0704	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					8.00	136.00
D1634	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.29	5.08
D1641	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.62	12.71
D1644	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					5.36	117.92
pp137*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.81	0.00
pp292*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					9.80	0.00
pp294*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					5.54	0.00
pp734*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.14	0.00
pp735*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.13	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**57.94**	**752.09**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**157.92**	**3,082.26**
SUB-TOTAL	**157.92**	**3,082.26**
non-contiguous habitat	**-67.36**	**-1,366.72**
TOTAL	**90.56**	**1,715.54**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
32 = Shortleaf Pine
41** = Cove Hardwood-Yellow Pine (managed for hardwoods)

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands D0628, D0634, D0704, D1012, D1020, D1613, D1632, D1641, D1644, D1725, D1735, D1738 and pp294 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-51. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D17-04R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1237	10.88	62	31	32.52	6.50	5.54	4.50	8.74	15.50	2.17	0.67	0.99	2.00	20.00	28.50	1	44	10	3	1	0					10.88	217.60
D1241	12.29	56	26	7.30	2.00	13.36	9.50	12.06	19.00	18.20	4.44	3.53	8.00	28.50	38.50	1	38	24	3	1	0					12.29	350.27
D1613	9.31	56	31	33.99	8.00	9.17	6.50	3.89	6.00	2.17	0.86	3.40	6.00	12.50	26.50	7	27	25	3	1	0					9.31	116.38
D1702	15.62	61	21	16.46	5.00	8.74	6.50	10.32	16.00	5.57	13.06	4.26	14.50	22.50	42.00	1	24	48	3	1	0					15.62	351.45
D1704	10.63	61	21	13.24	5.00	18.04	13.00	16.90	24.50	13.62	4.99	2.59	8.00	37.50	50.50	1	20	18	3	1	0	10.63	398.63				
D1705	0.88	61	57**	15.59	4.00	2.61	1.50	3.17	4.50	3.65	6.40	3.69	10.00	6.00	20.00	1	28	64	3	1	0					0.00	0.00
D1706	29.78	62	21	18.27	4.50	15.77	11.00	19.87	31.50	3.73	1.80	0.43	2.50	42.50	49.50	1	23	6	3	1	1	29.78	1,265.65				
D1707	20.45	62	26	16.20	4.00	22.78	16.00	15.48	20.50	17.44	3.79	0.89	4.00	36.50	44.50	1	22	11	3	1	0	20.45	746.43				
D1709	25.35	69	31	30.88	7.00	9.47	7.50	12.89	20.50	0.00	4.12	0.58	3.50	28.00	38.50	2	40	17	3	1	0					25.35	709.80
D1711	10.97	61	26	64.28	17.50	22.44	15.50	10.48	17.00	3.64	2.65	1.56	4.00	32.50	54.00	1	31	11	3	1	0			10.97	356.53		
D1712	11.21	79	21	28.01	7.50	20.18	15.50	17.01	25.00	15.71	4.28	0.24	4.00	40.50	52.00	1	39	11	3	1	1	11.21	454.01				
D1713	5.14	79	26	9.21	3.00	12.16	9.50	10.25	15.00	1.47	0.90	1.02	3.00	24.50	30.50	1	49	8	3	1	0					5.14	125.93
D1714	4.74	79	21	15.27	5.00	26.21	18.50	18.46	27.50	1.04	1.15	1.47	3.50	46.00	54.50	1	28	6	3	1	1	4.74	218.04				
D1715	2.99	63	31	23.65	6.50	10.14	8.00	17.58	27.00	0.00	0.00	2.13	3.00	35.00	44.50	1	50	7	3	1	0	2.99	104.65				
pp134*	1.92	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.92	0.00
pp611*	20.90	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					20.90	0.00
	193.06																					**79.80**	**3,187.41**	**10.97**	**356.53**	**101.41**	**1,871.43**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1702	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.41	9.23
D1704	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	1.03	38.63				
D1709	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					10.45	292.60
			TOTAL REMOVALS	**1.03**	**38.63**	**0.00**	**0.00**	**10.86**	**301.83**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**78.77**	**3,148.78**
Potentially Suitable Habitat	**10.97**	**356.53**
Future Potential Habitat	**90.55**	**1,569.60**
TOTAL	**180.29**	**5,074.91**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57** = Scrub Oak (managed for hardwoods)

Stand Score
0=Unsuitable
1=Suitable

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-52. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D17-04R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1237	10.88	62	31	32.52	6.50	5.54	4.50	8.74	15.50	2.17	0.67	0.99	2.00	20.00	28.50	1	44	10	3	1	3.76	PS					10.88	217.60
D1241	12.29	56	26	7.30	2.00	13.36	9.50	12.06	19.00	18.20	4.44	3.53	8.00	28.50	38.50	1	38	24	3	1	3.75	PS					12.29	350.27
D1613	9.31	56	31	33.99	8.00	9.17	6.50	3.89	6.00	2.17	0.86	3.40	6.00	12.50	26.50	7	27	25	3	1	2.58	PS					9.31	116.38
D1702	15.62	61	21	16.46	5.00	8.74	6.50	10.32	16.00	5.57	13.06	4.26	14.50	22.50	42.00	1	24	48	3	1	3.74	PS					15.62	351.45
D1704	10.63	61	21	13.24	5.00	18.04	13.00	16.90	24.50	13.62	4.99	2.59	8.00	37.50	50.50	1	20	18	3	1	4.13	PS					10.63	398.63
D1705	0.88	61	57**	15.59	4.00	2.61	1.50	3.17	4.50	3.65	6.40	3.69	10.00	6.00	20.00	1	28	64	3	1	2.96	PS					0.00	0.00
D1706	29.78	62	21	18.27	4.50	15.77	11.00	19.87	31.50	3.73	1.80	0.43	2.50	42.50	49.50	1	23	6	3	1	4.33	PS			29.78	1,265.65		
D1707	20.45	62	26	16.20	4.00	22.78	16.00	15.48	20.50	17.44	3.79	0.89	4.00	36.50	44.50	1	22	11	3	1	4.13	PS					20.45	746.43
D1709	25.35	69	31	30.88	7.00	9.47	7.50	12.89	20.50	0.00	4.12	0.58	3.50	28.00	38.50	2	40	17	3	1	4.00	PS					25.35	709.80
D1711	10.97	61	26	64.28	17.50	22.44	15.50	10.48	17.00	3.64	2.65	1.56	4.00	32.50	54.00	1	31	11	3	1	3.79	PS					10.97	356.53
D1712	11.21	79	21	28.01	7.50	20.18	15.50	17.01	25.00	15.71	4.28	0.24	4.00	40.50	52.00	1	39	11	3	1	4.25	PS					11.21	454.01
D1713	5.14	79	26	9.21	3.00	12.16	9.50	10.25	15.00	1.47	0.90	1.02	3.00	24.50	30.50	1	49	8	3	1	3.94	PS					5.14	125.93
D1714	4.74	79	21	15.27	5.00	26.21	18.50	18.46	27.50	1.04	1.15	1.47	3.50	46.00	54.50	1	28	6	3	1	4.33	PS			4.74	218.04		
D1715	2.99	63	31	23.65	6.50	10.14	8.00	17.58	27.00	0.00	0.00	2.13	3.00	35.00	44.50	1	50	7	3	1	4.32	PS					2.99	104.65
pp134*	1.92	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.92	0.00
pp611*	20.90	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					20.90	0.00
	193.06																						**0.00**	**0.00**	**34.52**	**1,483.69**	**157.66**	**3,931.68**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1702	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.41	9.23
D1704	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.03	38.63
D1709	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					10.45	292.60
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**11.89**	**340.46**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**34.52**	**1,483.69**
Future Potential Habitat	**145.77**	**3,591.22**
TOTAL	**180.29**	**5,074.91**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57** = Scrub Oak (managed for hardwoods)

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-53. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **E02-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0201	79.52	61	21	18.78	5.50	13.14	9.50	13.64	21.50	0.00	1.92	3.75	7.00	31.00	43.50	2	39	17	3	1	0	79.52	2,465.12				
E0202	15.80	60	21	33.52	8.50	11.45	8.00	14.28	22.00	4.02	5.20	0.89	4.50	30.00	43.00	5	32	19	3	1	0			15.80	474.00		
E0204	9.37	50	25	26.40	7.00	15.88	11.50	12.86	23.00	10.53	2.72	3.20	7.50	34.50	49.00	2	22	17	3	1	0	9.37	323.27				
E0206	0.95	50	21	21.75	6.00	21.09	15.50	7.99	11.00	3.95	6.80	2.94	8.50	26.50	41.00	2	32	25	3	1	0					0.95	25.18
E0801	1.64	61	26	7.69	2.50	23.00	16.50	21.46	32.00	7.66	2.79	0.80	3.50	48.50	54.50	1	37	7	3	2	1	1.64	79.54				
pp342*	7.56	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					7.56	0.00
pp343*	18.62	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					18.62	0.00
pp468*	26.53	14	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					26.53	0.00
pp469*	8.02	14	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					8.02	0.00
pp637*	0.26	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.26	0.00
T0525	40.46	15	31P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					40.46	0.00
T0526	14.13	53	21	16.76	4.50	13.76	10.00	10.66	16.50	3.26	0.00	0.00	0.00	26.50	31.00	1	32	0	3	1	0					14.13	374.45
T0527	8.29	16	31P	304.15	62.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	1	42	0	3	1	0					8.29	0.00
T0714	1.29	41	31	40.22	11.67	16.70	12.22	13.79	20.00	4.17	1.61	1.20	2.78	32.22	46.67	5	32	8	0	0	0			1.29	41.56		
	232.44																					**90.53**	**2,867.93**	**17.09**	**515.56**	**124.82**	**399.63**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp342*	2009	62207	Combined Arms Collective Training Facility, Phase II					5.71	0.00
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**5.71**	**0.00**
E0201	2010	65557	Repair/ Upgrade Existing Training Area Roads	3.13	97.03				
T0525	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.66	0.00
T0526	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.28	7.42
T0527	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.15	0.00
			2010 SUB-TOTAL	**3.13**	**97.03**	**0.00**	**0.00**	**1.09**	**7.42**
			TOTAL REMOVALS	**3.13**	**97.03**	**0.00**	**0.00**	**6.80**	**7.42**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**90.53**	**2,867.93**	**87.40**	**2,770.90**
Potentially Suitable Habitat	**17.09**	**515.56**	**17.09**	**515.56**
Future Potential Habitat	**119.11**	**399.63**	**118.02**	**392.21**
SUB-TOTAL	**226.73**	**3,783.12**	**222.51**	**3,678.67**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-54. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **E02-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0201	79.52	61	21	18.78	5.50	13.14	9.50	13.64	21.50	0.00	1.92	3.75	7.00	31.00	43.50	2	39	17	3	1	4.18	PS					79.52	2,465.12
E0202	15.80	60	21	33.52	8.50	11.45	8.00	14.28	22.00	4.02	5.20	0.89	4.50	30.00	43.00	5	32	19	3	1	3.91	PS					15.80	474.00
E0204	9.37	50	25	26.40	7.00	15.88	11.50	12.86	23.00	10.53	2.72	3.20	7.50	34.50	49.00	2	22	17	3	1	3.81	PS					9.37	323.27
E0206	0.95	50	21	21.75	6.00	21.09	15.50	7.99	11.00	3.95	6.80	2.94	8.50	26.50	41.00	2	32	25	3	1	3.39	PS					0.95	25.18
E0801	1.64	61	26	7.69	2.50	23.00	16.50	21.46	32.00	7.66	2.79	0.80	3.50	48.50	54.50	1	37	7	3	2	4.58	CS	1.64	79.54				
pp342*	7.56	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					7.56	0.00
pp343*	18.62	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					18.62	0.00
pp468*	26.53	14	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					26.53	0.00
pp469*	8.02	14	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					8.02	0.00
pp637*	0.26	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.26	0.00
T0525	40.46	15	31P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	PS					40.46	0.00
T0526	14.13	53	21	16.76	4.50	13.76	10.00	10.66	16.50	3.26	0.00	0.00	0.00	26.50	31.00	1	32	0	3	1	3.70	PS					14.13	374.45
T0527	8.29	16	31P	304.15	62.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	1	42	0	3	1	2.46	NH					8.29	0.00
T0714	1.29	41	31	40.22	11.67	16.70	12.22	13.79	20.00	4.17	1.61	1.20	2.78	32.22	46.67	5	32	8	0	0	3.44	PS					1.29	41.56
	232.44																						**1.64**	**79.54**	**0.00**	**0.00**	**230.80**	**3,703.58**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp342*	2009	62207	Combined Arms Collective Training Facility, Phase II					5.71	0.00
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**5.71**	**0.00**
E0201	2010	65557	Repair/ Upgrade Existing Training Area Roads					3.13	97.03
T0525	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.66	0.00
T0526	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.28	7.42
T0527	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.15	0.00
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**4.22**	**104.45**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**9.93**	**104.45**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**1.64**	**79.54**	**1.64**	**79.54**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**225.09**	**3,703.58**	**220.87**	**3,599.13**
SUB-TOTAL	**226.73**	**3,783.12**	**222.51**	**3,678.67**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-55. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **E03-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0301	54.99	49	21	11.10	3.00	18.35	14.50	24.86	36.50	6.14	0.86	0.94	2.00	51.00	56.00	1	36	4	3	1	1	54.99	2,804.49				
E0303	39.85	18	31	25.56	7.50	30.17	21.50	18.91	26.50	11.32	3.52	3.07	7.50	48.00	63.00	1	29	12	3	1	0					39.85	1,912.80
E0304	0.71	18	31P	305.39	73.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.00	1	30	0	3	1	0					0.00	0.00
E0305	20.22	49	31	17.84	6.00	27.45	21.00	14.70	20.50	4.06	4.20	0.45	4.00	41.50	51.50	1	34	10	3	1	1	20.22	839.13				
E0306	16.71	45	21	46.62	14.50	32.97	23.00	9.45	13.50	13.76	2.63	6.85	13.50	36.50	64.50	1	14	18	3	1	0	16.71	609.92				
E0307	2.98	81	25	28.92	7.50	19.45	15.00	16.40	26.50	5.67	9.32	5.77	17.00	41.50	66.00	1	27	30	3	1	0	2.98	123.67				
E0309	3.18	57	26	13.02	3.00	10.74	8.00	11.44	17.00	18.48	9.39	4.58	12.50	25.00	40.50	1	25	39	3	1	0					0.00	0.00
E0803	9.61	49	31	14.68	4.50	32.98	24.50	18.72	25.50	0.00	0.00	0.23	0.50	50.00	55.00	1	40	0	3	2	1	9.61	480.50				
E0804	20.95	49	21	37.21	11.50	24.23	18.00	17.81	26.50	3.35	1.83	1.71	4.00	44.50	60.00	2	38	8	3	2	1	20.95	932.28				
E0805	7.20	82	31	25.71	8.57	43.75	28.57	3.24	4.29	0.00	1.76	0.00	1.43	32.86	42.86	1	46	4	3	2	0	7.20	236.59				
E0808	16.64	49	21	23.72	7.50	27.90	21.00	13.95	18.00	18.00	3.36	2.24	5.50	39.00	52.00	1	37	12	3	2	0	16.64	648.96				
pp87*	1.42	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.42	0.00
T0512	0.19	64	26	17.26	4.50	11.52	8.50	14.41	23.50	0.00	0.00	0.29	0.50	32.00	37.00	1	37	1	3	1	0	0.19	6.08				
T0519	11.59	67	21	15.32	4.50	13.85	10.00	15.22	21.50	14.62	4.05	1.21	5.00	31.50	41.00	1	31	15	3	1	0	11.59	365.09				
	206.24																					**161.08**	**7,046.71**	**0.00**	**0.00**	**41.27**	**1,912.80**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
E0301	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.87	95.37				
E0803	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.74	37.00				
T0512	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.10	3.20				
T0519	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.30	40.95				
			TOTAL REMOVALS	**4.01**	**176.52**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**157.07**	**6,870.19**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**41.27**	**1,912.80**
TOTAL	**198.34**	**8,782.99**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
ND = No data provided

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-56. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **E03-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0301	54.99	49	21	11.10	3.00	18.35	14.50	24.86	36.50	6.14	0.86	0.94	2.00	51.00	56.00	1	36	4	3	1	4.15	PS					54.99	2,804.49
E0303	39.85	18	31	25.56	7.50	30.17	21.50	18.91	26.50	11.32	3.52	3.07	7.50	48.00	63.00	1	29	12	3	1	3.76	NH					39.85	1,912.80
E0304	0.71	18	31P	305.39	73.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.00	1	30	0	3	1	2.36	NH					0.00	0.00
E0305	20.22	49	31	17.84	6.00	27.45	21.00	14.70	20.50	4.06	4.20	0.45	4.00	41.50	51.50	1	34	10	3	1	4.00	PS					20.22	839.13
E0306	16.71	45	21	46.62	14.50	32.97	23.00	9.45	13.50	13.76	2.63	6.85	13.50	36.50	64.50	1	14	18	3	1	3.24	PS					16.71	609.92
E0307	2.98	81	25	28.92	7.50	19.45	15.00	16.40	26.50	5.67	9.32	5.77	17.00	41.50	66.00	1	27	30	3	1	4.15	PS					2.98	123.67
E0309	3.18	57	26	13.02	3.00	10.74	8.00	11.44	17.00	18.48	9.39	4.58	12.50	25.00	40.50	1	25	39	3	1	3.60	PS					0.00	0.00
E0803	9.61	49	31	14.68	4.50	32.98	24.50	18.72	25.50	0.00	0.00	0.23	0.50	50.00	55.00	1	40	0	3	2	4.41	PS					9.61	480.50
E0804	20.95	49	21	37.21	11.50	24.23	18.00	17.81	26.50	3.35	1.83	1.71	4.00	44.50	60.00	2	38	8	3	2	4.09	PS					20.95	932.28
E0805	7.20	82	31	25.71	8.57	43.75	28.57	3.24	4.29	0.00	1.76	0.00	1.43	32.86	42.86	1	46	4	3	2	3.41	PS					7.20	236.59
E0808	16.64	49	21	23.72	7.50	27.90	21.00	13.95	18.00	18.00	3.36	2.24	5.50	39.00	52.00	1	37	12	3	2	3.95	PS					16.64	648.96
pp87*	1.42	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.42	0.00
T0512	0.19	64	26	17.26	4.50	11.52	8.50	14.41	23.50	0.00	0.00	0.29	0.50	32.00	37.00	1	37	1	3	1	4.18	PS					0.19	6.08
T0519	11.59	67	21	15.32	4.50	13.85	10.00	15.22	21.50	14.62	4.05	1.21	5.00	31.50	41.00	1	31	15	3	1	4.18	PS					11.59	365.09
	206.24																						**0.00**	**0.00**	**0.00**	**0.00**	**202.35**	**8,959.51**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
E0301	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.87	95.37
E0803	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.74	37.00
T0512	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.10	3.20
T0519	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.30	40.95
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**4.01**	**176.52**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**198.34**	**8,782.99**
TOTAL	**198.34**	**8,782.99**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
ND = No data provided

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-57. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **E04-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1102	0.40	87	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	0					0.40	10.40
D1109	4.39	77	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	0	4.39	169.02				
D1217	2.21	46	31	20.19	5.00	24.23	17.50	10.89	16.50	14.09	1.44	0.74	2.00	34.00	41.00	2	36	6	3	1	0	2.21	75.14				
D1242	25.51	45	31	5.85	2.00	18.42	13.50	11.02	17.00	11.57	4.52	3.81	8.00	30.50	40.50	1	22	22	3	1	0	25.51	778.06				
D1243	11.61	43	25	6.66	2.50	14.75	11.00	10.30	14.50	23.82	2.23	0.39	2.00	25.50	30.00	1	24	9	3	1	0					11.61	296.06
E0303	19.74	18	31	25.56	7.50	30.17	21.50	18.91	26.50	11.32	3.52	3.07	7.50	48.00	63.00	1	29	12	3	1	0					19.74	947.52
E0304	12.08	18	31P	305.39	73.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.00	1	30	0	3	1	0					12.08	0.00
E0401	6.06	75	21	23.02	5.00	4.72	3.33	45.69	91.67	0.00	0.00	1.58	1.67	95.00	101.67	1	20	3	3	1	1	6.06	575.70				
E0402	40.56	75	25	17.25	3.50	11.65	8.50	17.22	27.50	10.48	2.82	2.73	7.00	36.00	46.50	1	31	16	3	1	0	40.56	1,460.16				
E0407	1.48	52	26	36.30	12.22	23.76	17.22	10.17	13.33	3.61	1.89	1.11	3.33	30.56	46.11	1	33	8	3	1	0	1.48	45.23				
pp858*	7.70	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					7.70	0.00
T0407	0.73	69	21	10.40	3.00	7.19	5.50	16.36	24.00	17.69	9.18	1.51	9.00	29.50	41.50	1	28	31	3	1	0					0.73	21.54
T0416	13.80	54	25	10.77	3.00	22.08	15.00	14.46	21.50	8.25	4.54	3.25	7.50	36.50	47.00	1	28	18	3	1	0	13.80	503.70				
T0507	15.42	54	25	52.56	11.50	22.15	17.00	18.40	25.50	12.90	5.00	2.89	9.00	42.50	63.00	1	36	16	3	1	1	15.42	655.35				
T0520	5.39	67	21	7.25	2.00	9.30	7.50	25.10	37.50	3.49	0.56	0.53	1.50	45.00	48.50	1	41	3	3	1	1	5.39	242.55				
	167.08																					**114.82**	**4,504.91**	**0.00**	**0.00**	**52.26**	**1,275.52**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1102	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.40	10.40
D1109	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	4.39	169.02				
D1217	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	1.66	56.44				
D1242	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	25.49	777.45				
D1243	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					10.88	277.44
E0303	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					5.07	243.36
E0304	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.78	0.00
E0401	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	6.06	575.70				
E0402	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	29.55	1,063.80				
T0407	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.46	13.57
T0416	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	1.00	36.50				
T0507	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	1.40	59.50				
			2009 SUB-TOTAL	**69.55**	**2,738.41**	**0.00**	**0.00**	**17.59**	**544.77**
E0303	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.78	37.44
T0407	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.22	6.49
T0416	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.13	4.75				
T0520	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.18	8.10				
			2010 SUB-TOTAL	**0.31**	**12.85**	**0.00**	**0.00**	**1.00**	**43.93**
			TOTAL REMOVALS	**69.86**	**2751.26**	**0.00**	**0.00**	**18.59**	**588.70**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**45.27**	**1,766.50**	**44.41**	**1,734.95**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**34.67**	**730.75**	**32.94**	**668.20**
SUB-TOTAL	**79.94**	**2,497.25**	**77.35**	**2,403.15**
non-contiguous habitat	**-1.28**	**-37.32**	**0.00**	**0.00**
TOTAL	**78.66**	**2,459.93**	**77.35**	**2,403.15**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10U = Yellow Pine-Upland Hardwood Underplanted
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands D1217 and D1243 will be non-contiguous as a result of project impacts and cannot be counted towards the availabe foraging habitat for the partition.

Table D-58. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **E04-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1102	0.40	87	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	3.44	PS					0.40	10.40
D1109	4.39	77	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	4.28	PS					4.39	169.02
D1217	2.21	46	31	20.19	5.00	24.23	17.50	10.89	16.50	14.09	1.44	0.74	2.00	34.00	41.00	2	36	6	3	1	3.65	PS					2.21	75.14
D1242	25.51	45	31	5.85	2.00	18.42	13.50	11.02	17.00	11.57	4.52	3.81	8.00	30.50	40.50	1	22	22	3	1	3.51	PS					25.51	778.06
D1243	11.61	43	25	6.66	2.50	14.75	11.00	10.30	14.50	23.82	2.23	0.39	2.00	25.50	30.00	1	24	9	3	1	3.32	PS					11.61	296.06
E0303	19.74	18	31	25.56	7.50	30.17	21.50	18.91	26.50	11.32	3.52	3.07	7.50	48.00	63.00	1	29	12	3	1	3.76	NH					19.74	947.52
E0304	12.08	18	31P	305.39	73.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.00	1	30	0	3	1	2.36	NH					12.08	0.00
E0401	6.06	75	21	23.02	5.00	4.72	3.33	45.69	91.67	0.00	0.00	1.58	1.67	95.00	101.67	1	20	3	3	1	4.32	PS			6.06	575.70		
E0402	40.56	75	25	17.25	3.50	11.65	8.50	17.22	27.50	10.48	2.82	2.73	7.00	36.00	46.50	1	31	16	3	1	4.23	PS					40.56	1,460.16
E0407	1.48	52	26	36.30	12.22	23.76	17.22	10.17	13.33	3.61	1.89	1.11	3.33	30.56	46.11	1	33	8	3	1	3.55	PS					1.48	45.23
pp858*	7.70	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					7.70	0.00
T0407	0.73	69	21	10.40	3.00	7.19	5.50	16.36	24.00	17.69	9.18	1.51	9.00	29.50	41.50	1	28	31	3	1	4.08	PS					0.73	21.54
T0416	13.80	54	25	10.77	3.00	22.08	15.00	14.46	21.50	8.25	4.54	3.25	7.50	36.50	47.00	1	28	18	3	1	3.99	PS					13.80	503.70
T0507	15.42	54	25	52.56	11.50	22.15	17.00	18.40	25.50	12.90	5.00	2.89	9.00	42.50	63.00	1	36	16	3	1	4.22	PS					15.42	655.35
T0520	5.39	67	21	7.25	2.00	9.30	7.50	25.10	37.50	3.49	0.56	0.53	1.50	45.00	48.50	1	41	3	3	1	4.53	CS	5.39	242.55				
	167.08																						**5.39**	**242.55**	**6.06**	**575.70**	**155.63**	**4,962.18**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1102	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.40	10.40
D1109	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					4.39	169.02
D1217	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.66	56.44
D1242	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					25.49	777.45
D1243	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					10.88	277.44
E0303	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					5.07	243.36
E0304	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.78	0.00
E0401	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			6.06	575.70		
E0402	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					29.55	1,063.80
T0407	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.46	13.57
T0416	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.00	36.50
T0507	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.40	59.50
			2009 SUB-TOTAL	**0.00**	**0.00**	**6.06**	**575.70**	**81.08**	**2,707.48**
E0303	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.78	37.44
T0407	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.22	6.49
T0416	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.13	4.75
T0520	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.18	8.10				
			2010 SUB-TOTAL	**0.18**	**8.10**	**0.00**	**0.00**	**1.13**	**48.68**
			TOTAL REMOVALS	**0.18**	**8.10**	**6.06**	**575.70**	**82.21**	**2,756.16**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**5.39**	**242.55**	**3.93**	**197.13**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**74.55**	**2,254.70**	**73.42**	**2,206.02**
SUB-TOTAL	**79.94**	**2,497.25**	**77.35**	**2,403.15**
non-contiguous habitat	**-1.28**	**-37.32**	**0.00**	**0.00**
TOTAL	**78.66**	**2,459.93**	**77.35**	**2,403.15**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10U = Yellow Pine-Upland Hardwood Underplanted
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands D1217 and D1243 will be non-contiguous as a result of project impacts and cannot be counted towards the availabe foraging habitat for the partition.

Table D-59. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **E08-05R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0201	1.36	61	21	18.78	5.50	13.14	9.50	13.64	21.50	0.00	1.92	3.75	7.00	31.00	43.50	2	39	17	3	1	0	1.36	42.16				
E0801	49.40	61	26	7.69	2.50	23.00	16.50	21.46	32.00	7.66	2.79	0.80	3.50	48.50	54.50	1	37	7	3	2	1	49.40	2,395.90				
E0802	25.39	61	21	6.11	2.00	16.38	11.00	19.91	32.50	6.80	5.02	4.81	11.00	43.50	56.50	2	20	21	3	2	0	25.39	1,104.47				
E0804	11.88	49	21	37.21	11.50	24.23	18.00	17.81	26.50	3.35	1.83	1.71	4.00	44.50	60.00	2	38	8	3	2	1	11.88	528.66				
E0806	5.62	60	21	10.58	3.33	7.13	5.00	8.10	13.33	19.44	12.58	11.44	26.67	18.33	48.33	5	27	61	3	2	0					5.62	103.01
E0808	0.86	49	21	23.72	7.50	27.90	21.00	13.95	18.00	18.00	3.36	2.24	5.50	39.00	52.00	1	37	12	3	2	0	0.86	33.54				
E0809	5.45	61	21	32.65	8.00	24.58	19.00	22.06	32.50	5.63	2.54	2.50	6.00	51.50	65.50	1	31	10	3	2	1	5.45	280.68				
E0811	0.36	50	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	0					0.36	0.00
E0821	10.03	50	31	32.56	12.00	41.28	28.00	12.46	17.50	3.91	2.08	1.80	3.50	45.50	61.00	1	45	7	3	2	1	10.03	456.37				
pp637*	0.58	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
T0512	0.34	64	26	17.26	4.50	11.52	8.50	14.41	23.50	0.00	0.00	0.29	0.50	32.00	37.00	1	37	1	3	1	0	0.34	10.88				
T0527	64.76	16	31P	304.15	62.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	1	42	0	3	1	0					64.76	0.00
	176.03																					**104.71**	**4,852.66**	**0.00**	**0.00**	**70.74**	**103.01**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
E0201	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.16	4.96				
E0801	2010	65557	Repair/ Upgrade Existing Training Area Roads	2.45	118.83				
E0802	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.53	23.06				
E0804	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.12	5.34				
T0512	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.11	3.52				
T0527	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.27	0.00
			TOTAL REMOVALS	**3.37**	**155.71**	**0.00**	**0.00**	**1.27**	**0.00**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**101.34**	**4,696.95**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**69.47**	**103.01**
TOTAL	**170.81**	**4,799.96**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31P = Loblolly Pine Plantation
ND = No data collected, area unaccessible

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-60. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **E08-05R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0201	1.36	61	21	18.78	5.50	13.14	9.50	13.64	21.50	0.00	1.92	3.75	7.00	31.00	43.50	2	39	17	3	1	4.18	PS					1.36	42.16
E0801	49.40	61	26	7.69	2.50	23.00	16.50	21.46	32.00	7.66	2.79	0.80	3.50	48.50	54.50	1	37	7	3	2	4.58	CS	49.40	2,395.90				
E0802	25.39	61	21	6.11	2.00	16.38	11.00	19.91	32.50	6.80	5.02	4.81	11.00	43.50	56.50	2	20	21	3	2	4.48	PS			25.39	1,104.47		
E0804	11.88	49	21	37.21	11.50	24.23	18.00	17.81	26.50	3.35	1.83	1.71	4.00	44.50	60.00	2	38	8	3	2	4.09	PS					11.88	528.66
E0806	5.62	60	21	10.58	3.33	7.13	5.00	8.10	13.33	19.44	12.58	11.44	26.67	18.33	48.33	5	27	61	3	2	3.32	PS					5.62	103.01
E0808	0.86	49	21	23.72	7.50	27.90	21.00	13.95	18.00	18.00	3.36	2.24	5.50	39.00	52.00	1	37	12	3	2	3.95	PS					0.86	33.54
E0809	5.45	61	21	32.65	8.00	24.58	19.00	22.06	32.50	5.63	2.54	2.50	6.00	51.50	65.50	1	31	10	3	2	4.56	CS	5.45	280.68				
E0811	0.36	50	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	2.32	PS					0.36	0.00
E0821	10.03	50	31	32.56	12.00	41.28	28.00	12.46	17.50	3.91	2.08	1.80	3.50	45.50	61.00	1	45	7	3	2	4.05	PS					10.03	456.37
pp637*	0.58	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
T0512	0.34	64	26	17.26	4.50	11.52	8.50	14.41	23.50	0.00	0.00	0.29	0.50	32.00	37.00	1	37	1	3	1	4.18	PS					0.34	10.88
T0527	64.76	16	31P	304.15	62.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	1	42	0	3	1	2.46	NH					64.76	0.00
	176.03																						**54.85**	**2,676.58**	**25.39**	**1,104.47**	**95.20**	**1,174.62**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
E0201	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.16	4.96
E0801	2010	65557	Repair/ Upgrade Existing Training Area Roads	2.45	118.83				
E0802	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.53	23.06		
E0804	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.12	5.34
T0512	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.11	3.52
T0527	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.27	0.00
			TOTAL REMOVALS	**2.45**	**118.83**	**0.53**	**23.06**	**1.66**	**13.82**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**52.40**	**2,557.75**
Potentially Suitable Habitat	**24.86**	**1,081.41**
Future Potential Habitat	**93.54**	**1,160.80**
TOTAL	**170.81**	**4,799.96**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31P = Loblolly Pine Plantation
ND = No data collected, area unaccessible

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-61. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **F02-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0510	5.30	44	31	16.97	4.00	16.52	12.50	17.68	28.00	6.41	1.11	3.20	7.50	40.50	52.00	1	34	11	3	1	1	5.30	214.65				
D0514	22.11	51	21	11.97	2.50	1.31	1.00	12.15	21.00	2.46	1.50	0.84	3.00	22.00	27.50	2	33	15	3	1	0					22.11	486.42
F0102	1.84	17	31P	392.52	124.00	51.67	30.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	154.00	1	2	0	3	1	0					0.00	0.00
F0202	0.30	52	22P	9.59	2.00	22.76	18.00	13.51	18.00	0.00	0.53	0.00	0.50	36.00	38.50	1	25	1	3	1	0	0.30	10.80				
F0203	11.22	52	10	5.81	2.00	6.52	4.50	9.23	14.50	8.64	3.28	3.75	9.00	19.00	30.00	1	24	31	3	1	0					11.22	213.18
F0205	7.94	63	13	2.90	1.43	10.34	7.14	18.39	30.00	9.04	0.00	1.83	2.86	37.14	41.43	2	9	6	3	1	0	7.94	294.89				
F0206	17.88	69	21	6.55	2.00	14.04	10.50	21.02	33.50	5.37	0.00	1.82	3.00	44.00	49.00	1	19	5	3	1	1	17.88	786.72				
F0208	33.84	87	26	12.91	3.33	5.37	4.44	11.94	19.44	0.00	0.00	0.35	1.11	23.89	28.33	2	19	2	3	1	0					33.84	808.44
F0209	52.34	66	31	2.42	1.18	4.96	3.53	11.27	17.06	1.39	0.00	0.17	0.59	20.59	22.35	2	22	1	3	1	0					52.34	1,077.68
F0210	9.34	79	21	2.57	1.11	10.88	8.89	24.46	36.67	2.63	4.70	3.39	10.00	45.56	56.67	2	22	19	3	1	1	9.34	425.53				
F0211	8.05	58	99**	0.00	0.00	3.76	3.33	5.31	8.33	0.00	0.00	0.00	0.00	11.67	11.67	3	15	0	3	1	0					0.00	0.00
F0216	6.34	75	99**	31.92	5.00	0.00	0.00	0.63	1.67	0.00	0.00	0.00	0.00	1.67	6.67	2	52	0	3	1	0					0.00	0.00
F0218	0.06	62	31	17.21	3.50	9.06	7.00	7.23	10.00	4.23	0.86	0.44	1.50	17.00	22.00	2	24	7	3	1	0					0.00	0.00
F0220	2.70	104	31P	278.11	70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.00	3	10	0	3	1	0					0.00	0.00
F0224	6.57	57	10	17.36	4.50	6.88	4.50	10.68	15.50	23.86	9.33	8.14	19.00	20.00	43.50	3	31	50	3	1	0					0.00	0.00
K2106	1.17	57	21	7.08	1.67	18.46	14.44	16.16	25.56	5.48	0.00	0.73	1.11	40.00	42.78	2	36	2	3	1	1	1.17	46.80				
K2108	43.31	61	31	10.27	2.11	16.79	12.63	21.05	32.63	12.26	4.37	2.35	6.84	45.26	54.21	1	15	15	3	1	1	43.31	1,960.21				
pp226	0.91	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
pp365	3.00	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.00	0.00
pp366	1.64	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp367	4.14	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp65	1.90	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp67	2.28	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.28	0.00
pp68	5.62	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp69	9.47	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
	259.27																					**85.24**	**3,739.60**	**0.00**	**0.00**	**124.79**	**2,585.72**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0510	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	5.21	211.01				
D0514	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					19.10	420.20
F0202	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	0.30	10.80				
F0203	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					11.22	213.18
F0205	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	3.90	144.85				
F0206	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	10.37	456.28				
F0208	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					12.32	294.32
K2108	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	0.06	2.72				
pp365*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.00	0.00
pp67*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.07	0.00
			2009 SUB-TOTAL	**19.84**	**825.66**	**0.00**	**0.00**	**45.71**	**927.70**
D0510	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.07	2.84				
D0514	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.27	5.94
F0206	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.23	10.12				
F0208	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.13	3.11
			2010 SUB-TOTAL	**0.30**	**12.96**	**0.00**	**0.00**	**0.40**	**9.05**
			TOTAL REMOVALS	**20.14**	**838.62**	**0.00**	**0.00**	**46.11**	**936.75**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**65.40**	**2,913.94**	**65.10**	**2,900.99**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**79.08**	**1,658.02**	**73.46**	**1,582.75**
SUB-TOTAL	**144.48**	**4,571.96**	**138.56**	**4,483.73**
non-contiguous habitat	**-5.22**	**-66.22**	**0.00**	**0.00**
TOTAL	**139.26**	**4,505.74**	**138.56**	**4,483.73**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
99** = Brush Species (managed for hardwoods)

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stand pp67 and a portion of stand D0514 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-62. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **F02-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0510	5.30	5.30	31	16.97	4.00	16.52	12.50	17.68	28.00	6.41	1.11	3.20	7.50	40.50	52.00	1	34	11	3	1	4.00	PS					5.30	214.65
D0514	22.11	22.11	21	11.97	2.50	1.31	1.00	12.15	21.00	2.46	1.50	0.84	3.00	22.00	27.50	2	33	15	3	1	3.84	PS					22.11	486.42
F0102	1.84	1.84	31P	392.52	124.00	51.67	30.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	154.00	1	2	0	3	1	2.16	NH					0.00	0.00
F0202	0.30	0.30	22P	9.59	2.00	22.76	18.00	13.51	18.00	0.00	0.53	0.00	0.50	36.00	38.50	1	25	1	3	1	3.85	PS					0.30	10.80
F0203	11.22	11.22	10	5.81	2.00	6.52	4.50	9.23	14.50	8.64	3.28	3.75	9.00	19.00	30.00	1	24	31	3	1	3.41	PS					11.22	213.18
F0205	7.94	7.94	13	2.90	1.43	10.34	7.14	18.39	30.00	9.04	0.00	1.83	2.86	37.14	41.43	2	9	6	3	1	4.08	PS					7.94	294.89
F0206	17.88	17.88	21	6.55	2.00	14.04	10.50	21.02	33.50	5.37	0.00	1.82	3.00	44.00	49.00	1	19	5	3	1	4.23	PS			17.88	786.72		
F0208	33.84	33.84	26	12.91	3.33	5.37	4.44	11.94	19.44	0.00	0.00	0.35	1.11	23.89	28.33	2	19	2	3	1	3.63	PS					33.84	808.44
F0209	52.34	52.34	31	2.42	1.18	4.96	3.53	11.27	17.06	1.39	0.00	0.17	0.59	20.59	22.35	2	22	1	3	1	3.74	PS					52.34	1,077.68
F0210	9.34	9.34	21	2.57	1.11	10.88	8.89	24.46	36.67	2.63	4.70	3.39	10.00	45.56	56.67	2	22	19	3	1	4.33	PS			9.34	425.53		
F0211	8.05	8.05	99**	0.00	0.00	3.76	3.33	5.31	8.33	0.00	0.00	0.00	0.00	11.67	11.67	3	15	0	3	1	3.01	PS					0.00	0.00
F0216	6.34	6.34	99**	31.92	5.00	0.00	0.00	0.63	1.67	0.00	0.00	0.00	0.00	1.67	6.67	2	52	0	3	1	3.14	PS					0.00	0.00
F0218	0.06	0.06	31	17.21	3.50	9.06	7.00	7.23	10.00	4.23	0.86	0.44	1.50	17.00	22.00	2	24	7	3	1	3.39	PS					0.00	0.00
F0220	2.70	2.70	31P	278.11	70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.00	3	10	0	3	1	2.71	PS					0.00	0.00
F0224	6.57	6.56	10	17.36	4.50	6.88	4.50	10.68	15.50	23.86	9.33	8.14	19.00	20.00	43.50	3	31	50	3	1	3.70	PS					0.00	0.00
K2106	1.17	1.17	21	7.08	1.67	18.46	14.44	16.16	25.56	5.48	0.00	0.73	1.11	40.00	42.78	2	36	2	3	1	4.14	PS					1.17	46.80
K2108	43.31	43.31	31	10.27	2.11	16.79	12.63	21.05	32.63	12.26	4.37	2.35	6.84	45.26	54.21	1	15	15	3	1	4.23	PS			43.31	1,960.21		
pp226*	0.91	0.91	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp365*	3.00	3.10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.00	0.00
pp366*	1.64	1.65	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp367*	4.14	4.24	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp65*	1.90	1.92	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp67*	2.28	2.32	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.28	0.00
pp68*	5.62	5.75	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp69*	9.47	9.67	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
	259.27																						**0.00**	**0.00**	**70.53**	**3,172.46**	**139.50**	**3,152.86**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0510	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					5.21	211.01
D0514	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					19.10	420.20
F0202	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.30	10.80
F0203	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					11.22	213.18
F0205	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.90	144.85
F0206	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			10.37	456.28		
F0208	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					12.32	294.32
K2108	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			0.06	2.72		
pp365*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.00	0.00
pp67*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.07	0.00
			2009 SUB-TOTAL	**0.00**	**0.00**	**10.43**	**459.00**	**55.12**	**1,294.36**
D0510	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.07	2.84
D0514	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.27	5.94
F0206	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.23	10.12
F0208	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.13	3.11
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**0.70**	**22.01**
			TOTAL REMOVALS	**0.00**	**0.00**	**10.43**	**459.00**	**55.82**	**1,316.37**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**60.10**	**2,713.46**	**60.10**	**2,713.46**
Future Potential Habitat	**84.38**	**1,858.50**	**78.46**	**1,770.27**
SUB-TOTAL	**144.48**	**4,571.96**	**138.56**	**4,483.73**
non-contiguous habitat	**-5.22**	**-66.22**	**0.00**	**0.00**
TOTAL	**139.26**	**4,505.74**	**138.56**	**4,483.73**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
99** = Brush Species (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stand pp67 and a portion of stand D0514 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-63. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **HCC-03R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
AOB18	0.42	63	31	22.84	5.50	12.08	8.50	3.96	5.50	0.00	0.51	0.36	1.00	14.00	20.50	1	12	5	3	1	0					0.00	0.00
pp531*	2.44	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.44	0.00
pp635*	1.91	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.91	0.00
R0237	1.21	80	13	24.14	7.37	7.34	5.26	11.92	20.53	23.15	12.35	3.22	15.26	25.79	48.42	2	17	45	3	1	0					1.21	31.21
R0238	4.06	87	31	24.91	7.00	10.16	7.50	14.48	25.50	33.08	12.16	7.36	21.00	33.00	61.00	2	14	44	3	1	0	4.06	133.98				
R0240	4.52	75	31	78.22	24.00	15.31	12.00	10.89	20.00	0.00	6.05	1.35	6.00	32.00	62.00	1	28	22	3	1	0			4.52	144.64		
S0104	16.33	52	21	18.25	5.00	2.28	1.50	11.94	24.00	2.24	1.15	1.29	4.50	25.50	35.00	1	31	15	3	1	0					16.33	416.42
S0105	28.49	70	31	8.01	3.00	7.53	5.50	16.50	27.50	4.86	1.33	2.52	5.00	33.00	41.00	2	23	14	3	1	0	28.49	940.17				
S0106	8.26	26	31	25.61	6.25	3.26	2.50	0.71	1.25	0.00	0.00	0.00	0.00	3.75	10.00	1	58	0	3	1	0					8.26	30.98
S0108	19.79	71	31	18.61	5.50	17.90	13.00	16.73	30.50	5.67	3.45	1.83	5.50	43.50	54.50	1	25	13	3	1	1	19.79	860.87				
S0113	13.84	91	21	11.13	2.50	12.46	9.50	22.68	37.00	3.89	0.72	4.92	10.00	46.50	59.00	1	9	14	3	1	1	13.84	643.56				
S0117	22.45	93	21	3.61	1.50	6.07	4.50	24.16	47.00	5.25	0.86	1.88	4.00	51.50	57.00	2	18	8	3	1	1	22.45	1,156.18				
S0118	24.91	44	31	33.28	10.00	23.68	17.00	14.83	23.00	48.56	22.09	7.79	27.00	40.00	77.00	5	6	44	3	1	0			24.91	996.40		
S0120	20.99	67	31	4.04	1.50	22.82	16.50	16.06	25.00	7.15	1.19	0.45	2.00	41.50	45.00	2	16	4	3	1	1	20.99	871.09				
S0122	56.24	63	31	21.44	6.00	23.00	16.50	14.40	21.00	6.81	1.09	0.83	2.50	37.50	46.00	1	26	5	3	1	0	56.24	2,109.00				
	225.86																					**165.86**	**6,714.85**	**29.43**	**1,141.04**	**30.15**	**478.61**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp531*	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)					2.44	0.00
S0113	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)	8.73	405.95				
S0120	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)	3.49	144.84				
			2007 SUB-TOTAL	**12.22**	**550.79**	**0.00**	**0.00**	**2.44**	**0.00**
R0237	2008	65439	Road Improvements					0.35	9.03
S0104	2008	65439	Road Improvements					0.10	2.55
S0105	2008	65251	Unit Maintenance Activity Facility	3.70	122.10				
S0106	2008	65439	Road Improvements					0.24	0.90
S0108	2008	65439	Road Improvements	0.40	17.40				
			2008 SUB-TOTAL	**4.10**	**139.50**	**0.00**	**0.00**	**0.69**	**12.48**
R0240	2009	65252/48644	Centralized Wash Facility with Soaking Capability			0.01	0.32		
S0104	2009	65252/48644	Centralized Wash Facility with Soaking Capability					0.27	6.89
S0105	2009	65252/48644	Centralized Wash Facility with Soaking Capability	20.05	661.65				
S0105	2009	65438	Vehicle Maintenance Instruction Facility	0.39	12.87				
S0105	2009	65061	Museum Operations Support Building	0.32	10.56				
S0106	2009	65252/48644	Centralized Wash Facility with Soaking Capability					0.27	1.01
S0108	2009	65252/48644	Centralized Wash Facility with Soaking Capability	1.31	56.99				
S0113	2009	65252/48644	Centralized Wash Facility with Soaking Capability	4.65	216.23				
S0113	2009	65438	Vehicle Maintenance Instruction Facility	0.46	21.39				
S0117	2009	65252/48644	Centralized Wash Facility with Soaking Capability	9.83	506.25				
S0120	2009	65252/48644	Centralized Wash Facility with Soaking Capability	3.88	161.02				
S0122	2009	65252/48644	Centralized Wash Facility with Soaking Capability	29.73	1,114.88				
			2009 SUB-TOTAL	**70.62**	**2,761.84**	**0.01**	**0.32**	**0.54**	**7.90**
pp635*	2011	63799	3 ID BCT (Heavy) Complex					1.11	0.00
S0104	2011	63799	3 ID BCT (Heavy) Complex					13.25	337.88
S0105	2011	63799	3 ID BCT (Heavy) Complex	4.00	132.00				
S0106	2011	63799	3 ID BCT (Heavy) Complex					4.90	18.38
S0108	2011	63799	3 ID BCT (Heavy) Complex	1.03	44.81				
S0117	2011	63799	3 ID BCT (Heavy) Complex	8.79	452.69				
			2011 SUB-TOTAL	**13.82**	**629.50**	**0.00**	**0.00**	**19.26**	**356.26**
			TOTAL REMOVALS	**100.76**	**4,081.63**	**0.01**	**0.32**	**22.93**	**376.64**

POST-PROJECT	**2007**		**2008**		**2009**		**2011**	
	Acres	**BA**	**Acres**	**BA**	**Acres**	**BA**	**Acres**	**BA**
Suitable Habitat	**153.64**	**6,164.06**	**149.54**	**6,024.56**	**78.92**	**3,262.72**	**65.10**	**2,633.22**
Potentially Suitable Habitat	**29.43**	**1,141.04**	**29.43**	**1,141.04**	**29.42**	**1,140.72**	**29.42**	**1,140.72**
Future Potential Habitat	**27.71**	**478.61**	**27.02**	**466.13**	**26.48**	**458.23**	**7.22**	**101.97**
TOTAL	**210.78**	**7,783.71**	**205.99**	**7,631.73**	**134.82**	**4,861.67**	**101.74**	**3,875.91**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partitition.

Table D-64. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **HCC-03R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
AOB18	0.42	63	31	22.84	5.50	12.08	8.50	3.96	5.50	0.00	0.51	0.36	1.00	14.00	20.50	1	12	5	3	1	2.99	PS					0.00	0.00
pp531*	2.44	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.44	0.00
pp635*	1.91	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.91	0.00
R0237	1.21	80	13	24.14	7.37	7.34	5.26	11.92	20.53	23.15	12.35	3.22	15.26	25.79	48.42	2	17	45	3	1	3.76	PS					1.21	31.21
R0238	4.06	87	31	24.91	7.00	10.16	7.50	14.48	25.50	33.08	12.16	7.36	21.00	33.00	61.00	2	14	44	3	1	4.01	PS					4.06	133.98
R0240	4.52	75	31	78.22	24.00	15.31	12.00	10.89	20.00	0.00	6.05	1.35	6.00	32.00	62.00	1	28	22	3	1	3.80	PS					4.52	144.64
S0104	16.33	52	21	18.25	5.00	2.28	1.50	11.94	24.00	2.24	1.15	1.29	4.50	25.50	35.00	1	31	15	3	1	3.84	PS					16.33	416.42
S0105	28.49	70	31	8.01	3.00	7.53	5.50	16.50	27.50	4.86	1.33	2.52	5.00	33.00	41.00	2	23	14	3	1	4.13	PS					28.49	940.17
S0106	8.26	26	31	25.61	6.25	3.26	2.50	0.71	1.25	0.00	0.00	0.00	0.00	3.75	10.00	1	58	0	3	1	2.60	NH					8.26	30.98
S0108	19.79	71	31	18.61	5.50	17.90	13.00	16.73	30.50	5.67	3.45	1.83	5.50	43.50	54.50	1	25	13	3	1	4.18	PS					19.79	860.87
S0113	13.84	91	21	11.13	2.50	12.46	9.50	22.68	37.00	3.89	0.72	4.92	10.00	46.50	59.00	1	9	14	3	1	4.13	PS			13.84	643.56		
S0117	22.45	93	21	3.61	1.50	6.07	4.50	24.16	47.00	5.25	0.86	1.88	4.00	51.50	57.00	2	18	8	3	1	4.23	PS			22.45	1,156.18		
S0118	24.91	44	31	33.28	10.00	23.68	17.00	14.83	23.00	48.56	22.09	7.79	27.00	40.00	77.00	5	6	44	3	1	3.41	PS					24.91	996.40
S0120	20.99	67	31	4.04	1.50	22.82	16.50	16.06	25.00	7.15	1.19	0.45	2.00	41.50	45.00	2	16	4	3	1	4.08	PS					20.99	871.09
S0122	56.24	63	31	21.44	6.00	23.00	16.50	14.40	21.00	6.81	1.09	0.83	2.50	37.50	46.00	1	26	5	3	1	4.12	PS					56.24	2,109.00
	225.86																						**0.00**	**0.00**	**36.29**	**1,799.74**	**189.15**	**6,534.76**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp531*	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)					2.44	0.00
S0113	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)			8.73	405.95		
S0120	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)					3.49	144.84
			2007 SUB-TOTAL	**0.00**	**0.00**	**8.73**	**405.95**	**5.93**	**144.84**
R0237	2008	65439	Road Improvements					0.35	9.03
S0104	2008	65439	Road Improvements					0.10	2.55
S0105	2008	65251	Unit Maintenance Activity Facility					3.70	122.10
S0106	2008	65439	Road Improvements					0.24	0.90
S0108	2008	65439	Road Improvements					0.40	17.40
			2008 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**4.79**	**151.98**
R0240	2009	65252/48644	Centralized Wash Facility with Soaking Capability					0.01	0.32
S0104	2009	65252/48644	Centralized Wash Facility with Soaking Capability					0.27	6.89
S0105	2009	65252/48644	Centralized Wash Facility with Soaking Capability					20.05	661.65
S0105	2009	65438	Vehicle Maintenance Instruction Facility					0.39	12.87
S0105	2009	65061	Museum Operations Support Building					0.32	10.56
S0106	2009	65252/48644	Centralized Wash Facility with Soaking Capability					0.27	1.01
S0108	2009	65252/48644	Centralized Wash Facility with Soaking Capability					1.31	56.99
S0113	2009	65252/48644	Centralized Wash Facility with Soaking Capability			4.65	216.23		
S0113	2009	65438	Vehicle Maintenance Instruction Facility			0.46	21.39		
S0117	2009	65252/48644	Centralized Wash Facility with Soaking Capability			9.83	506.25		
S0120	2009	65252/48644	Centralized Wash Facility with Soaking Capability					3.88	161.02
S0122	2009	65252/48644	Centralized Wash Facility with Soaking Capability					29.73	1,114.88
			2009 SUB-TOTAL	**0.00**	**0.00**	**14.94**	**743.87**	**56.23**	**2,026.19**
pp635*	2011	63799	3 ID BCT (Heavy) Complex					1.11	0.00
S0104	2011	63799	3 ID BCT (Heavy) Complex					13.25	337.88
S0105	2011	63799	3 ID BCT (Heavy) Complex					4.00	132.00
S0106	2011	63799	3 ID BCT (Heavy) Complex					4.90	18.38
S0108	2011	63799	3 ID BCT (Heavy) Complex					1.03	44.81
S0117	2011	63799	3 ID BCT (Heavy) Complex			8.79	452.69		
			2011 SUB-TOTAL	**0.00**	**0.00**	**8.79**	**452.69**	**24.29**	**533.07**
			TOTAL REMOVALS	**0.00**	**0.00**	**32.46**	**1,602.51**	**91.24**	**2,856.08**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

POST-PROJECT	**2007**		**2008**		**2009**		**2011**	
	Acres	**BA**	**Acres**	**BA**	**Acres**	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**27.56**	**1,393.79**	**27.56**	**1,393.79**	**12.62**	**649.92**	**3.83**	**197.23**
Future Potential Habitat	**183.22**	**6,389.92**	**178.43**	**6,237.94**	**122.20**	**4,211.75**	**97.91**	**3,678.68**
TOTAL	**210.46**	**7,783.71**	**205.67**	**7,631.73**	**134.82**	**4,861.67**	**101.74**	**3,875.91**

Table D-65. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **HCC-08R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
EE0111	1.64	107	31	31.80	8.50	17.52	12.50	11.69	21.50	34.09	5.01	1.85	6.50	34.00	49.00	2	7	19	3	1	0	1.64	55.76				
EE0116	21.02	85	31	32.99	8.50	13.05	9.00	14.11	26.50	0.00	0.00	0.10	0.50	35.50	44.50	2	23	0	3	1	0	21.02	746.21				
EE0201	19.04	84	31	3.98	1.00	5.95	4.00	11.54	26.50	5.18	1.20	0.45	1.50	30.50	33.00	1	36	9	3	1	0	19.04	580.72				
EE0202	15.30	63	31	94.21	22.22	14.48	10.56	14.25	21.67	3.49	0.00	0.17	0.56	32.22	55.00	6	26	1	3	1	0			15.30	492.97		
EE0203	6.27	84	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					6.27	0.00
EE0206	13.67	103	31	0.00	0.00	6.08	4.71	12.61	27.06	1.49	1.38	3.02	7.06	31.76	38.82	1	54	19	3	1	0	13.67	434.16				
EE0207	34.05	56	31	26.85	7.50	12.26	9.00	11.66	22.00	25.81	8.50	4.56	13.50	31.00	52.00	7	9	35	3	1	0			34.05	1,055.55		
EE0208	2.62	56	31	2.83	1.05	7.49	5.79	13.97	21.58	3.65	5.99	2.30	8.95	27.37	37.37	9	20	28	3	1	0					0.00	0.00
EE0212	72.56	105	31	105.86	24.74	20.39	14.21	8.99	14.74	6.39	1.00	0.00	0.53	28.95	54.21	1	29	3	3	1	0					72.56	2,100.61
EE0213	2.62	72	31	9.37	3.50	9.06	6.50	13.39	26.50	7.86	7.79	2.80	10.00	33.00	46.50	8	25	32	3	1	0			2.62	86.46		
EE0215	18.77	80	31	18.88	6.00	11.86	8.50	10.15	15.50	2.86	5.42	5.08	13.00	24.00	43.00	8	23	32	3	1	0					18.77	450.48
EE0221	3.38	80	13	19.74	5.50	7.11	5.50	19.91	37.50	16.61	6.04	4.72	12.00	43.00	60.50	1	17	28	3	1	0	3.38	145.34				
pp122*	0.16	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.16	0.00
	211.10																					**58.75**	**1,962.19**	**51.97**	**1,634.98**	**97.76**	**2,551.09**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
EE0111	2010	65405	Equipment Concentration Site (ECS)	0.88	29.92				
EE0116	2010	65405	Equipment Concentration Site (ECS)	7.81	277.26				
EE0201	2010	65405	Equipment Concentration Site (ECS)	0.05	1.53				
pp122*	2010	65405	Equipment Concentration Site (ECS)					0.16	0.00
				8.74	**308.71**	**0.00**	**0.00**	**0.16**	**0.00**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**50.01**	**1,653.48**
Potentially Suitable Habitat	**51.97**	**1,634.98**
Future Potential Habitat	**97.60**	**2,551.09**
TOTAL	**199.58**	**5,839.55**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Forest Type:
13 = Loblolly Pine-Hardwood
21P = Longleaf Pine Plantation
31 = Loblolly Pine
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-66. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **HCC-08R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
EE0111	1.64	107	31	31.80	8.50	17.52	12.50	11.69	21.50	34.09	5.01	1.85	6.50	34.00	49.00	2	7	19	3	1	3.75	PS					1.64	55.76
EE0116	21.02	85	31	32.99	8.50	13.05	9.00	14.11	26.50	0.00	0.00	0.10	0.50	35.50	44.50	2	23	0	3	1	4.08	PS					21.02	746.21
EE0201	19.04	84	31	3.98	1.00	5.95	4.00	11.54	26.50	5.18	1.20	0.45	1.50	30.50	33.00	1	36	9	3	1	4.03	PS					19.04	580.72
EE0202	15.30	63	31	94.21	22.22	14.48	10.56	14.25	21.67	3.49	0.00	0.17	0.56	32.22	55.00	6	26	1	3	1	3.75	PS					15.30	492.97
EE0203	6.27	84	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.31	PS					6.27	0.00
EE0206	13.67	103	31	0.00	0.00	6.08	4.71	12.61	27.06	1.49	1.38	3.02	7.06	31.76	38.82	1	54	19	3	1	4.13	PS					13.67	434.16
EE0207	34.05	56	31	26.85	7.50	12.26	9.00	11.66	22.00	25.81	8.50	4.56	13.50	31.00	52.00	7	9	35	3	1	3.22	PS					34.05	1,055.55
EE0208	2.62	56	31	2.83	1.05	7.49	5.79	13.97	21.58	3.65	5.99	2.30	8.95	27.37	37.37	9	20	28	3	1	3.48	PS					0.00	0.00
EE0212	72.56	105	31	105.86	24.74	20.39	14.21	8.99	14.74	6.39	1.00	0.00	0.53	28.95	54.21	1	29	3	3	1	3.22	PS					72.56	2,100.61
EE0213	2.62	72	31	9.37	3.50	9.06	6.50	13.39	26.50	7.86	7.79	2.80	10.00	33.00	46.50	8	25	32	3	1	3.79	PS					2.62	86.46
EE0215	18.77	80	31	18.88	6.00	11.86	8.50	10.15	15.50	2.86	5.42	5.08	13.00	24.00	43.00	8	23	32	3	1	3.39	PS					18.77	450.48
EE0221	3.38	80	13	19.74	5.50	7.11	5.50	19.91	37.50	16.61	6.04	4.72	12.00	43.00	60.50	1	17	28	3	1	4.23	PS			3.38	145.34		
pp122*	0.16	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.16	0.00
	211.10																						**0.00**	**0.00**	**3.38**	**145.34**	**205.10**	**6,002.92**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
EE0111	2010	65405	Equipment Concentration Site (ECS)					0.88	29.92
EE0116	2010	65405	Equipment Concentration Site (ECS)					7.81	277.26
EE0201	2010	65405	Equipment Concentration Site (ECS)					0.05	1.53
pp122*	2010	65405	Equipment Concentration Site (ECS)					0.16	0.00
				0.00	**0.00**	**0.00**	**0.00**	**8.90**	**308.71**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**3.38**	**145.34**
Future Potential Habitat	**196.20**	**5,694.21**
TOTAL	**199.58**	**5,839.55**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
13 = Loblolly Pine-Hardwood
21P = Longleaf Pine Plantation
31 = Loblolly Pine
ND = No data provided

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-67. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **HCC-10R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0711	0.74	48	26	34.26	10.00	29.29	20.00	10.07	14.00	7.44	0.00	0.23	0.50	34.00	44.50	1	43	1	3	1	0	0.74	25.16				
A0725	0.52	49	31	8.28	2.50	16.40	12.50	16.80	28.50	3.67	2.58	1.65	4.50	41.00	48.00	2	34	11	3	1	1	0.52	21.32				
A0804	3.26	56	21	31.74	9.00	15.09	10.50	17.29	24.50	5.29	1.09	1.41	3.50	35.00	47.50	1	30	7	3	1	0	3.26	114.10				
EE0105	20.47	72	21	17.61	4.50	14.72	11.00	8.62	11.00	23.98	3.38	0.33	3.00	22.00	29.50	1	14	14	3	1	0					20.47	450.34
EE0107	24.82	72	21	9.00	2.50	8.87	6.50	15.65	23.50	0.00	1.31	0.29	2.00	30.00	34.50	8	30	6	3	1	0			24.82	744.60		
EE0110	88.40	59	31	21.70	6.00	16.99	13.00	18.59	33.50	5.45	4.27	0.83	4.50	46.50	57.00	6	13	13	3	1	0			88.40	4,110.60		
EE0111	57.81	107	31	31.80	8.50	17.52	12.50	11.69	21.50	34.09	5.01	1.85	6.50	34.00	49.00	2	7	19	3	1	0	57.81	1,965.54				
EE0112	18.66	97	21	2.85	1.00	7.63	5.50	14.19	22.50	1.06	0.00	2.04	3.00	28.00	32.00	6	30	9	3	1	0					18.66	522.48
EE0113	14.47	85	21	27.76	5.50	5.10	3.50	8.82	15.50	0.00	0.00	0.11	0.50	19.00	25.00	9	27	1	3	1	0					14.47	274.93
EE0116	16.20	85	31	32.99	8.50	13.05	9.00	14.11	26.50	0.00	0.00	0.10	0.50	35.50	44.50	2	23	0	3	1	0	16.20	575.10				
EE0117	10.74	82	21	17.08	5.00	13.92	10.50	23.21	32.50	1.18	0.94	0.79	2.00	43.00	50.00	8	12	4	3	1	0			10.74	461.82		
EE0119	0.11	56	31	31.37	7.00	8.09	6.00	10.64	19.00	3.70	0.00	0.00	0.00	25.00	32.00	7	29	0	3	1	0					0.00	0.00
pp122*	19.00	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					19.00	0.00
S0110	2.31	67	26	35.42	7.78	3.49	3.33	3.12	7.78	0.00	0.00	1.74	2.22	11.11	21.11	2	47	21	3	1	0					2.31	25.66
S0120	17.16	67	31	4.04	1.50	22.82	16.50	16.06	25.00	7.15	1.19	0.45	2.00	41.50	45.00	2	16	4	3	1	1	17.16	712.14				
S0125	0.15	85	31	22.78	6.19	16.22	11.90	13.73	26.67	2.20	1.26	0.00	0.95	38.57	45.71	3	20	4	3	1	0	0.15	5.79				
	294.82																					**95.84**	**3,419.15**	**123.96**	**5,317.02**	**74.91**	**1,273.41**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0711	2007	64370/65040	Trainee Barracks Complex 1	0.24	8.16				
EE0105	2007	64370/65040	Trainee Barracks Complex 2					19.96	439.12
EE0107	2007	64370/65040	Trainee Barracks Complex 3			12.37	371.10		
EE0110	2007	64370/65040	Trainee Barracks Complex 4			44.05	2,048.33		
EE0112	2007	64370/65040	Trainee Barracks Complex 5					5.26	147.28
S0110	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)					1.03	11.44
S0120	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)	6.82	283.03				
			2007 SUB-TOTAL	**7.06**	**291.19**	**56.42**	**2,419.43**	**26.25**	**597.84**
EE0107	2008	65439	Road Improvements			0.87	26.10		
EE0110	2008	65439	Road Improvements			1.54	71.61		
EE0111	2008	65439	Road Improvements	1.76	59.84				
			2008 SUB-TOTAL	**1.76**	**59.84**	**2.41**	**97.71**	**0.00**	**0.00**
S0120	2009	65252	Centralized Wash Facility with Soaking Capability	1.11	46.07				
			2009 SUB-TOTAL	**1.11**	**46.07**	**0.00**	**0.00**	**0.00**	**0.00**
EE0110	2010	65405	Equipment Concentration Site (ECS)			3.27	152.06		
EE0111	2010	65405	Equipment Concentration Site (ECS)	2.61	88.74				
EE0113	2010	65405	Equipment Concentration Site (ECS)					4.18	79.42
EE0116	2010	65405	Equipment Concentration Site (ECS)	12.78	453.69				
pp122*	2010	65405	Equipment Concentration Site (ECS)					18.89	0.00
			2010 SUB-TOTAL	**15.39**	**542.43**	**3.27**	**152.06**	**23.07**	**79.42**
EE0107	2012	65065	Chapel			0.56	16.80		
			2012 SUB-TOTAL	**0.00**	**0.00**	**0.56**	**16.80**	**0.00**	**0.00**
			TOTAL REMOVALS	**25.32**	**939.53**	**62.66**	**2,686.00**	**49.32**	**677.26**

POST-PROJECT	**2007**		**2008**		**2009**		**2010**		**2012**	
	Acres	**BA**	**Acres**	**BA**	**Acres**	**BA**	**Acres**	**BA**	**Acres**	**BA**
Suitable Habitat	**88.78**	**3,127.96**	**87.02**	**3,068.12**	**85.91**	**3,022.05**	**70.52**	**2,479.62**	**70.52**	**2,479.62**
Potentially Suitable Habitat	**67.54**	**2,897.59**	**65.13**	**2,799.88**	**65.13**	**2,799.88**	**61.86**	**2,647.82**	**61.30**	**2,631.02**
Future Potential Habitat	**48.66**	**675.57**	**48.66**	**675.57**	**48.66**	**675.57**	**25.59**	**596.15**	**25.59**	**596.15**
TOTAL	**204.98**	**6,701.12**	**200.81**	**6,543.57**	**199.70**	**6,497.50**	**157.97**	**5,723.59**	**157.41**	**5,706.79**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-68. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **HCC-10R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0711	0.74	48	26	34.26	10.00	29.29	20.00	10.07	14.00	7.44	0.00	0.23	0.50	34.00	44.50	1	43	1	3	1	3.56	PS					0.74	25.16
A0725	0.52	49	31	8.28	2.50	16.40	12.50	16.80	28.50	3.67	2.58	1.65	4.50	41.00	48.00	2	34	11	3	1	4.00	PS					0.52	21.32
A0804	3.26	56	21	31.74	9.00	15.09	10.50	17.29	24.50	5.29	1.09	1.41	3.50	35.00	47.50	1	30	7	3	1	4.06	PS					3.26	114.10
EE0105	20.47	72	21	17.61	4.50	14.72	11.00	8.62	11.00	23.98	3.38	0.33	3.00	22.00	29.50	1	14	14	3	1	3.34	PS					20.47	450.34
EE0107	24.82	72	21	9.00	2.50	8.87	6.50	15.65	23.50	0.00	1.31	0.29	2.00	30.00	34.50	8	30	6	3	1	3.74	PS					24.82	744.60
EE0110	88.40	59	31	21.70	6.00	16.99	13.00	18.59	33.50	5.45	4.27	0.83	4.50	46.50	57.00	6	13	13	3	1	3.85	PS			88.40	4,110.60		
EE0111	57.81	107	31	31.80	8.50	17.52	12.50	11.69	21.50	34.09	5.01	1.85	6.50	34.00	49.00	2	7	19	3	1	3.75	PS					57.81	1,965.54
EE0112	18.66	97	21	2.85	1.00	7.63	5.50	14.19	22.50	1.06	0.00	2.04	3.00	28.00	32.00	6	30	9	3	1	3.85	PS					18.66	522.48
EE0113	14.47	85	21	27.76	5.50	5.10	3.50	8.82	15.50	0.00	0.00	0.11	0.50	19.00	25.00	9	27	1	3	1	3.05	PS					14.47	274.93
EE0116	16.20	85	31	32.99	8.50	13.05	9.00	14.11	26.50	0.00	0.00	0.10	0.50	35.50	44.50	2	23	0	3	1	4.08	PS					16.20	575.10
EE0117	10.74	82	21	17.08	5.00	13.92	10.50	23.21	32.50	1.18	0.94	0.79	2.00	43.00	50.00	8	12	4	3	1	3.89	PS			10.74	461.82		
EE0119	0.11	56	31	31.37	7.00	8.09	6.00	10.64	19.00	3.70	0.00	0.00	0.00	25.00	32.00	7	29	0	3	1	3.23	PS					0.00	0.00
pp122*	19.00	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					19.00	0.00
S0110	2.31	67	26	35.42	7.78	3.49	3.33	3.12	7.78	0.00	0.00	1.74	2.22	11.11	21.11	2	47	21	3	1	3.27	PS					2.31	25.66
S0120	17.16	67	31	4.04	1.50	22.82	16.50	16.06	25.00	7.15	1.19	0.45	2.00	41.50	45.00	2	16	4	3	1	4.08	PS					17.16	712.14
S0125	0.15	85	31	22.78	6.19	16.22	11.90	13.73	26.67	2.20	1.26	0.00	0.95	38.57	45.71	3	20	4	3	1	4.01	PS					0.15	5.79
	294.82																						**0.00**	**0.00**	**99.14**	**4,572.42**	**195.57**	**5,437.16**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0711	2007	64370/65040	Trainee Barracks Complex 1					0.24	8.16
EE0105	2007	64370/65040	Trainee Barracks Complex 2					19.96	439.12
EE0107	2007	64370/65040	Trainee Barracks Complex 3					12.37	371.10
EE0110	2007	64370/65040	Trainee Barracks Complex 4			44.05	2,048.33		
EE0112	2007	64370/65040	Trainee Barracks Complex 5					5.26	147.28
S0110	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)					1.03	11.44
S0120	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)					6.82	283.03
			2007 SUB-TOTAL	**0.00**	**0.00**	**44.05**	**2,048.33**	**45.68**	**1,260.13**
EE0107	2008	65439	Road Improvements					0.87	26.10
EE0110	2008	65439	Road Improvements			1.54	71.61		
EE0111	2008	65439	Road Improvements					1.76	59.84
			2008 SUB-TOTAL	**0.00**	**0.00**	**1.54**	**71.61**	**2.63**	**85.94**
S0120	2009	65252	Centralized Wash Facility with Soaking Capability					1.11	46.07
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**1.11**	**46.07**
EE0110	2010	65405	Equipment Concentration Site (ECS)			3.27	152.06		
EE0111	2010	65405	Equipment Concentration Site (ECS)					2.61	88.74
EE0113	2010	65405	Equipment Concentration Site (ECS)					4.18	79.42
EE0116	2010	65405	Equipment Concentration Site (ECS)					12.78	453.69
pp122*	2010	65405	Equipment Concentration Site (ECS)					18.89	0.00
			2010 SUB-TOTAL	**0.00**	**0.00**	**3.27**	**152.06**	**38.46**	**621.85**
EE0107	2012	65065	Chapel					0.56	16.80
			2012 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**0.56**	**16.80**
			TOTAL REMOVALS	**0.00**	**0.00**	**48.86**	**2,272.00**	**88.44**	**2,030.79**

POST-PROJECT	**2007**		**2008**		**2009**		**2010**		**2012**	
	Acres	**BA**	**Acres**	**BA**	**Acres**	**BA**	**Acres**	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**55.09**	**2,524.09**	**53.55**	**2,452.48**	**53.55**	**2,452.48**	**50.28**	**2,300.42**	**50.28**	**2,300.42**
Future Potential Habitat	**149.89**	**4,177.03**	**147.26**	**4,091.09**	**146.15**	**4,045.02**	**107.69**	**3,423.17**	**107.13**	**3,406.37**
TOTAL	**204.98**	**6,701.12**	**200.81**	**6,543.57**	**199.70**	**6,497.50**	**157.97**	**5,723.59**	**157.41**	**5,706.79**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-69. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **HCC-11R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0704	15.45	59	31	9.05	3.50	12.21	8.00	2.92	3.50	1.08	1.51	0.66	2.00	11.50	17.00	8	20	13	3	1	0					15.45	177.68
A0708	7.01	72	21	23.62	6.00	12.48	8.50	12.47	20.50	3.84	2.34	0.70	2.50	29.00	37.50	1	41	11	3	2	0					7.01	203.29
A0709	37.59	53	31	31.84	9.47	20.81	15.26	9.63	13.16	8.74	0.00	2.04	4.21	28.42	42.11	1	22	6	3	2	0					37.59	1,068.31
BB0336	11.24	36	22U	14.41	5.00	16.17	10.50	0.94	1.00	0.00	0.00	0.00	0.00	11.50	16.50	1	40	0	3	2	0					11.24	129.26
BB0337	1.15	61	31	0.00	0.00	61.71	43.33	8.27	10.00	0.00	0.00	0.00	0.00	53.33	53.33	6	13	0	3	2	0			0.00	0.00		
BB0339	10.12	55	26	8.00	2.50	27.67	19.00	8.43	12.50	13.98	7.84	4.14	11.50	31.50	45.50	1	22	25	3	2	0	10.12	318.78				
BB0343	4.29	55	26	10.87	5.00	8.20	7.50	9.63	17.50	14.11	13.61	6.98	20.00	25.00	50.00	5	8	54	3	2	0					4.29	107.25
BB0425	0.28	48	22P	88.51	26.00	26.97	18.00	2.93	4.00	13.37	2.04	0.00	1.50	22.00	49.50	2	12	6	3	1	0					0.28	6.16
BB0439	1.61	67	26	24.41	7.00	18.76	12.50	18.21	27.00	17.27	4.23	3.31	8.00	39.50	54.50	1	20	17	3	1	0	1.61	63.60				
BB0442	0.10	58	26	40.10	11.50	22.87	16.50	13.42	19.50	6.01	0.58	3.50	7.00	36.00	54.50	1	13	10	3	1	0	0.10	3.60				
HCC10	122.10	76	21	8.69	2.00	11.19	8.00	12.45	19.50	8.63	0.00	1.05	2.00	27.50	31.50	6	31	4	3	1	0					122.10	3,357.75
HCC13	20.49	68	21	5.87	1.50	5.69	4.50	9.34	16.00	0.00	0.52	0.64	2.00	20.50	24.00	8	15	7	3	1	0					20.49	420.05
pp247*	13.83	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					13.83	0.00
pp492*	0.52	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.52	0.00
pp525*	3.73	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.73	0.00
pp530*	4.71	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.71	0.00
	254.22																					**11.83**	**385.98**	**0.00**	**0.00**	**241.24**	**5,469.75**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	SuitableAcreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
BB0336	2007	65056	IET Brigade Headquarters Building					4.09	47.04
BB0343	2007	65056	IET Brigade Headquarters Building					1.93	48.25
HCC10	2007	65056	IET Brigade Headquarters Building					0.16	4.40
HCC10	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					2.32	63.80
HCC13	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					6.94	142.27
pp247*	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					12.47	0.00
			2007 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**27.91**	**305.76**
A0704	2008	65439	Road Improvements					2.64	30.36
A0708	2008	65439	Road Improvements					2.00	58.00
A0709	2008	65439	Road Improvements					1.81	51.44
BB0439	2008	65439	Road Improvements	0.65	25.68				
BB0442	2008	65439	Road Improvements	0.10	3.60				
HCC10	2008	65439	Road Improvements					8.45	232.38
HCC13	2008	65439	Road Improvements					1.41	28.91
			2008 SUB-TOTAL	**0.75**	**29.28**	**0.00**	**0.00**	**16.31**	**401.09**
			TOTAL REMOVALS	**0.75**	**29.28**	**0.00**	**0.00**	**44.22**	**706.85**

POST-PROJECT	**2007**		**2008**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**11.83**	**385.98**	**11.08**	**356.70**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**213.33**	**5,163.99**	**194.70**	**4,715.34**
SUB-TOTAL	**225.16**	**5,549.97**	**205.78**	**5,072.04**
non-contiguous habitat	**-2.32**	**-47.56**	**0.00**	**0.00**
TOTAL	**222.84**	**5,502.41**	**205.78**	**5,072.04**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
22U = Slash Pine Underplanted
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

A portion of stand HCC13 will be non-contiguous as a result of project removals and cannot be counted towards the available foraging habitat for the parititon.

Table D-70. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **HCC-11R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0704	15.45	59	31	9.05	3.50	12.21	8.00	2.92	3.50	1.08	1.51	0.66	2.00	11.50	17.00	8	20	13	3	1	2.48	PS					15.45	177.68
A0708	7.01	72	21	23.62	6.00	12.48	8.50	12.47	20.50	3.84	2.34	0.70	2.50	29.00	37.50	1	41	11	3	2	4.27	PS					7.01	203.29
A0709	37.59	53	31	31.84	9.47	20.81	15.26	9.63	13.16	8.74	0.00	2.04	4.21	28.42	42.11	1	22	6	3	2	3.63	PS					37.59	1,068.31
BB0336	11.24	36	22U	14.41	5.00	16.17	10.50	0.94	1.00	0.00	0.00	0.00	0.00	11.50	16.50	1	40	0	3	2	2.80	PS					11.24	129.26
BB0337	1.15	61	31	0.00	0.00	61.71	43.33	8.27	10.00	0.00	0.00	0.00	0.00	53.33	53.33	6	13	0	3	2	3.10	PS					0.00	0.00
BB0339	10.12	55	26	8.00	2.50	27.67	19.00	8.43	12.50	13.98	7.84	4.14	11.50	31.50	45.50	1	22	25	3	2	3.51	PS					10.12	318.78
BB0343	4.29	55	26	10.87	5.00	8.20	7.50	9.63	17.50	14.11	13.61	6.98	20.00	25.00	50.00	5	8	54	3	2	3.32	PS					4.29	107.25
BB0425	0.28	48	22P	88.51	26.00	26.97	18.00	2.93	4.00	13.37	2.04	0.00	1.50	22.00	49.50	2	12	6	3	1	2.51	PS					0.28	6.16
BB0439	1.61	67	26	24.41	7.00	18.76	12.50	18.21	27.00	17.27	4.23	3.31	8.00	39.50	54.50	1	20	17	3	1	4.17	PS					1.61	63.60
BB0442	0.10	58	26	40.10	11.50	22.87	16.50	13.42	19.50	6.01	0.58	3.50	7.00	36.00	54.50	1	13	10	3	1	3.67	PS					0.10	3.60
HCC10	122.10	76	21	8.69	2.00	11.19	8.00	12.45	19.50	8.63	0.00	1.05	2.00	27.50	31.50	6	31	4	3	1	3.66	PS					122.10	3,357.75
HCC13	20.49	68	21	5.87	1.50	5.69	4.50	9.34	16.00	0.00	0.52	0.64	2.00	20.50	24.00	8	15	7	3	1	3.29	PS					20.49	420.05
pp247*	13.83	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					13.83	0.00
pp525*	0.52	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.52	0.00
pp530*	3.73	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.73	0.00
pp881*	4.71	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.71	0.00
	254.22																						**0.00**	**0.00**	**0.00**	**0.00**	**253.07**	**5,855.73**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
BB0336	2007	65056	IET Brigade Headquarters Building					4.09	47.04
BB0343	2007	65056	IET Brigade Headquarters Building					1.93	48.25
HCC10	2007	65056	IET Brigade Headquarters Building					0.16	4.40
HCC10	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					2.32	63.80
HCC13	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					6.94	142.27
pp247*	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					12.47	0.00
			2007 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**27.91**	**305.76**
A0704	2008	65439	Road Improvements					2.64	30.36
A0708	2008	65439	Road Improvements					2.00	58.00
A0709	2008	65439	Road Improvements					1.81	51.44
BB0439	2008	65439	Road Improvements					0.65	25.68
BB0442	2008	65439	Road Improvements					0.10	3.60
HCC10	2008	65439	Road Improvements					8.45	232.38
HCC13	2008	65439	Road Improvements					1.41	28.91
			2008 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**17.06**	**430.37**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**44.97**	**736.13**

POST-PROJECT	**2007**		**2008**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**225.16**	**5,549.97**	**205.78**	**5,072.04**
TOTAL	**225.16**	**5,549.97**	**205.78**	**5,072.04**
non-contiguous habitat	**-2.32**	**-47.56**	**0.00**	**0.00**
TOTAL	**222.84**	**5,502.41**	**205.78**	**5,072.04**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
22U = Slash Pine Underplanted
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

A portion of stand HCC13 will be non-contiguous as a result of project removals and cannot be counted towards the available foraging habitat for the parititon.

Table D-71. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J01-02R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0111	0.01	23	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	0					0.01	0.00
J0119	1.55	24	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	0					1.55	0.00
J0120	33.67	112	13	2.94	1.00	2.54	1.50	8.10	17.50	31.06	12.62	6.48	20.50	19.00	40.50	2	18	64	3	2	0					33.67	639.73
J0121	10.48	61	32	18.95	6.50	16.81	13.00	18.32	32.00	1.08	4.46	2.21	7.00	45.00	58.50	2	26	16	3	2	1	10.48	471.60				
J0122	3.47	24	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	0					3.47	0.00
J0126	3.12	120	26	0.00	0.00	6.53	4.29	10.89	20.00	13.71	8.10	3.75	11.43	24.29	35.71	2	24	40	3	2	0					3.12	75.78
J0211	8.57	127	21	4.33	0.71	0.00	0.00	19.07	41.43	0.00	2.34	3.05	7.14	41.43	49.29	2	14	22	3	1	1	8.57	355.06				
J0212	36.81	85	21	8.84	2.50	18.90	14.50	15.44	25.00	0.00	0.00	1.44	3.00	39.50	45.00	1	23	4	3	1	0	36.81	1,454.00				
J0218	22.67	39	31	18.17	5.50	14.66	9.50	11.84	17.50	5.56	1.15	2.11	5.50	27.00	38.00	1	17	11	3	1	0					22.67	612.09
J0312	29.64	88	26	14.29	4.00	1.80	1.50	18.97	32.50	20.83	11.02	1.48	9.50	34.00	47.50	6	14	38	3	1	0			0.00	0.00		
J0319	3.62	88	26	33.16	10.00	21.29	20.00	38.61	60.00	0.00	0.00	0.00	0.00	80.00	90.00	2	13	0	3	1	1	3.62	289.60				
J0326	0.94	95	25	59.37	15.00	24.78	16.00	13.63	20.50	22.64	5.28	2.64	8.50	36.50	60.00	1	18	17	3	1	0	0.00	0.00				
J0329	0.73	45	25	47.54	15.00	30.67	21.00	9.80	15.50	11.95	1.46	0.39	2.00	36.50	53.50	2	40	4	3	1	0	0.00	0.00				
pp208	0.29	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp52*	4.92	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.92	0.00
pp53*	6.54	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					6.54	0.00
pp54*	4.81	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.81	0.00
pp56*	0.81	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp619*	22.25	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					22.25	0.00
pp685*	2.12	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.12	0.00
pp686*	8.52	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					8.52	0.00
pp917*	5.88	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.88	0.00
pp937*	29.39	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					29.39	0.00
pp983*	27.77	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					27.77	0.00
	268.58																					**59.48**	**2,570.26**	**0.00**	**0.00**	**176.70**	**1,327.60**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp937*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					4.95	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**4.95**	**0.00**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**59.48**	**2,570.26**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**171.75**	**1,327.60**
TOTAL	**231.22**	**3,897.86**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
32 = Shortleaf Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-72. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J01-02R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0111	0.01	23	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	1.90	NH					0.01	0.00
J0119	1.55	24	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	1.90	NH					1.55	0.00
J0120	33.67	112	13	2.94	1.00	2.54	1.50	8.10	17.50	31.06	12.62	6.48	20.50	19.00	40.50	2	18	64	3	2	3.58	PS					33.67	639.73
J0121	10.48	61	32	18.95	6.50	16.81	13.00	18.32	32.00	1.08	4.46	2.21	7.00	45.00	58.50	2	26	16	3	2	4.48	PS			10.48	471.60		
J0122	3.47	24	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	1.90	NH					3.47	0.00
J0126	3.12	120	26	0.00	0.00	6.53	4.29	10.89	20.00	13.71	8.10	3.75	11.43	24.29	35.71	2	24	40	3	2	3.47	PS					3.12	75.78
J0211	8.57	127	21	4.33	0.71	0.00	0.00	19.07	41.43	0.00	2.34	3.05	7.14	41.43	49.29	2	14	22	3	1	4.23	PS			8.57	355.06		
J0212	36.81	85	21	8.84	2.50	18.90	14.50	15.44	25.00	0.00	0.00	1.44	3.00	39.50	45.00	1	23	4	3	1	4.13	PS					36.81	1,454.00
J0218	22.67	39	31	18.17	5.50	14.66	9.50	11.84	17.50	5.56	1.15	2.11	5.50	27.00	38.00	1	17	11	3	1	3.27	PS					22.67	612.09
J0312	29.64	88	26	14.29	4.00	1.80	1.50	18.97	32.50	20.83	11.02	1.48	9.50	34.00	47.50	6	14	38	3	1	3.95	PS					0.00	0.00
J0319	3.62	88	26	33.16	10.00	21.29	20.00	38.61	60.00	0.00	0.00	0.00	0.00	80.00	90.00	2	13	0	3	1	4.09	PS			3.62	289.60		
J0326	0.94	95	25	59.37	15.00	24.78	16.00	13.63	20.50	22.64	5.28	2.64	8.50	36.50	60.00	1	18	17	3	1	3.95	PS					0.00	0.00
J0329	0.73	45	25	47.54	15.00	30.67	21.00	9.80	15.50	11.95	1.46	0.39	2.00	36.50	53.50	2	40	4	3	1	3.58	PS					0.00	0.00
pp208	0.29	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp52*	4.92	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.92	0.00
pp53*	6.54	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					6.54	0.00
pp54*	4.81	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.81	0.00
pp56*	0.81	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp619*	22.25	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					22.25	0.00
pp685*	2.12	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.12	0.00
pp686*	8.52	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					8.52	0.00
pp917*	5.88	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					5.88	0.00
pp937*	29.39	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					29.39	0.00
pp983*	27.77	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					27.77	0.00
	268.58																						**0.00**	**0.00**	**22.67**	**1,116.26**	**213.50**	**2,781.60**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp937*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					4.95	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**4.95**	**0.00**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**22.67**	**1,116.26**
Future Potential Habitat	**208.55**	**2,781.60**
TOTAL	**231.22**	**3,897.86**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
32 = Shortleaf Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-73. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J03-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0311	10.36	88	25	7.04	1.50	9.82	7.00	11.57	19.50	19.29	4.83	1.12	5.50	26.50	33.50	7	15	22	3	1	0					10.36	274.54
J0313	22.82	88	66***	10.12	3.50	4.08	2.50	3.56	5.50	69.01	27.23	6.49	28.00	8.00	39.50	1	23	82	3	1	0					0.00	0.00
J0314	20.36	77	21	55.69	16.00	22.93	15.50	10.17	14.00	40.71	16.31	3.31	15.50	29.50	61.00	7	18	37	3	1	0					20.36	600.62
J0318	6.61	94	26	26.34	9.00	11.13	8.00	15.13	22.50	23.77	9.70	4.83	14.50	30.50	54.00	3	5	36	3	1	0	6.61	201.61				
J0323	70.05	77	26	35.38	9.50	16.78	12.00	19.41	29.00	9.55	6.60	2.40	8.00	41.00	58.50	1	28	20	3	1	1	70.05	2,872.05				
J0326	9.16	95	25	59.37	15.00	24.78	16.00	13.63	20.50	22.64	5.28	2.64	8.50	36.50	60.00	1	18	17	3	1	0	9.16	334.34				
J0409	12.18	89	21	27.29	7.37	15.75	11.05	19.41	30.53	23.17	8.89	4.50	12.11	41.58	61.05	1	18	28	3	1	0	12.18	506.44				
J0411	7.52	55	10	37.41	12.73	34.49	24.55	9.37	11.82	54.00	8.90	4.59	11.82	36.36	60.91	7	2	24	3	1	0			0.00	0.00		
J0413	7.16	89	21	22.26	7.14	24.79	20.00	12.79	17.14	0.00	0.00	0.00	0.00	37.14	44.29	1	43	0	3	1	0	7.16	265.92				
J0414	22.01	53	42**	5.27	2.00	10.84	7.50	9.45	13.00	10.28	5.97	1.50	7.00	20.50	29.50	1	31	27	3	1	0					0.00	0.00
J0416	2.39	57	26	6.57	2.00	12.14	8.50	11.84	18.00	14.69	5.47	1.79	6.50	26.50	35.00	1	34	23	3	1	0					2.39	63.34
pp207*	2.67	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0						
pp210*	2.68	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.68	0.00
pp211*	4.72	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.72	0.00
pp212*	0.14	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.14	0.00
pp938*	21.16	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					21.16	0.00
T0302	15.41	52	25	59.93	14.00	8.76	7.00	8.50	13.50	12.76	5.40	4.07	10.00	20.50	44.50	1	24	35	3	1	0					15.41	315.91
T0307	0.09	83	21	23.21	7.00	15.84	12.00	18.09	26.50	1.27	0.59	0.26	1.00	38.50	46.50	1	35	2	3	1	0	0.09	3.47				
	237.49																					**105.25**	**4,183.83**	**0.00**	**0.00**	**77.22**	**1,254.41**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0314	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					8.46	249.57
J0323	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	49.88	2,045.08				
J0326	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	2.28	83.22				
J0409	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	6.84	284.41				
J0413	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	5.82	216.15				
J0416	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.39	63.34
pp211*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					4.72	0.00
T0302	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					15.41	315.91
T0307	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	0.09	3.47				
			TOTAL REMOVALS	**64.91**	**2,632.33**	**0.00**	**0.00**	**30.98**	**628.82**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**40.34**	**1,551.50**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**46.24**	**625.59**
SUB-TOTAL	**86.58**	**2,177.09**
non-contiguous habitat	**-7.62**	**-283.37**
TOTAL	**78.96**	**1,893.72**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
66*** = Oak-Hickory (managed for hardwoods)

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stand J0326 and a portion of stand J0409 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-74. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J03-01**, and Chattahoochee Counties, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0311	10.36	88	25	7.04	1.50	9.82	7.00	11.57	19.50	19.29	4.83	1.12	5.50	26.50	33.50	7	15	22	3	1	3.29	PS					10.36	274.54
J0313	22.82	88	66***	10.12	3.50	4.08	2.50	3.56	5.50	69.01	27.23	6.49	28.00	8.00	39.50	1	23	82	3	1	3.10	PS					0.00	0.00
J0314	20.36	77	21	55.69	16.00	22.93	15.50	10.17	14.00	40.71	16.31	3.31	15.50	29.50	61.00	7	18	37	3	1	3.10	PS					20.36	600.62
J0318	6.61	94	26	26.34	9.00	11.13	8.00	15.13	22.50	23.77	9.70	4.83	14.50	30.50	54.00	3	5	36	3	1	3.85	PS					6.61	201.61
J0323	70.05	77	26	35.38	9.50	16.78	12.00	19.41	29.00	9.55	6.60	2.40	8.00	41.00	58.50	1	28	20	3	1	4.29	PS			70.05	2,872.05		
J0326	9.16	95	25	59.37	15.00	24.78	16.00	13.63	20.50	22.64	5.28	2.64	8.50	36.50	60.00	1	18	17	3	1	3.95	PS					9.16	334.34
J0409	12.18	89	21	27.29	7.37	15.75	11.05	19.41	30.53	23.17	8.89	4.50	12.11	41.58	61.05	1	18	28	3	1	4.20	PS			12.18	506.44		
J0411	7.52	55	10	37.41	12.73	34.49	24.55	9.37	11.82	54.00	8.90	4.59	11.82	36.36	60.91	7	2	24	3	1	2.95	PS					0.00	0.00
J0413	7.16	89	21	22.26	7.14	24.79	20.00	12.79	17.14	0.00	0.00	0.00	0.00	37.14	44.29	1	43	0	3	1	4.03	PS					7.16	265.92
J0414	22.01	53	42**	5.27	2.00	10.84	7.50	9.45	13.00	10.28	5.97	1.50	7.00	20.50	29.50	1	31	27	3	1	3.56	PS					0.00	0.00
J0416	2.39	57	26	6.57	2.00	12.14	8.50	11.84	18.00	14.69	5.47	1.79	6.50	26.50	35.00	1	34	23	3	1	3.70	PS					2.39	63.34
pp207*	2.67	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH						
pp210*	2.68	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.68	0.00
pp211*	4.72	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.72	0.00
pp212*	0.14	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.14	0.00
pp938*	21.16	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					21.16	0.00
T0302	15.41	52	25	59.93	14.00	8.76	7.00	8.50	13.50	12.76	5.40	4.07	10.00	20.50	44.50	1	24	35	3	1	3.23	PS					15.41	315.91
T0307	0.09	83	21	23.21	7.00	15.84	12.00	18.09	26.50	1.27	0.59	0.26	1.00	38.50	46.50	1	35	2	3	1	4.37	PS					0.09	3.47
	237.49																						**0.00**	**0.00**	**82.23**	**3,378.49**	**100.24**	**2,059.75**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0314	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					8.46	249.57
J0323	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			49.88	2,045.08		
J0326	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.28	83.22
J0409	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			6.84	284.41		
J0413	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					5.82	216.15
J0416	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.39	63.34
pp211*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					4.72	0.00
T0302	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					15.41	315.91
T0307	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.09	3.47
			TOTAL REMOVALS	**0.00**	**0.00**	**56.72**	**2,329.49**	**39.17**	**931.66**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**25.51**	**1,049.00**
Future Potential Habitat	**61.07**	**1,128.09**
SUB-TOTAL	**86.58**	**2,177.09**
non-contiguous habitat	**-7.62**	**-283.37**
TOTAL	**78.96**	**1,893.72**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
66*** = Oak-Hickory (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stand J0326 and a portion of stand J0409 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-75. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J04-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0411	7.63	55	10	37.41	12.73	34.49	24.55	9.37	11.82	54.00	8.90	4.59	11.82	36.36	60.91	7	2	24	3	1	0			7.63	273.43		
J0416	2.03	57	26	6.57	2.00	12.14	8.50	11.84	18.00	14.69	5.47	1.79	6.50	26.50	35.00	1	34	23	3	1	0					2.03	53.80
J0514	0.64	74	26	5.43	1.50	8.69	6.50	12.47	18.00	17.54	5.79	2.07	7.00	24.50	33.00	1	7	27	3	1	0					0.64	15.68
J0524	53.36	60	31	7.78	1.50	13.51	10.00	17.17	24.00	4.97	0.97	1.59	2.50	34.00	38.00	1	47	8	3	1	0	53.36	1,814.24				
J0525	52.86	111	21	46.24	10.53	2.43	1.58	7.99	15.26	7.56	5.20	1.36	5.79	16.84	33.16	1	24	39	3	1	0					52.86	890.16
J0526	20.80	103	26	30.12	8.00	11.81	8.00	10.35	16.50	3.19	4.42	0.00	3.00	24.50	35.50	1	32	17	3	1	0					20.80	509.60
pp760*	5.48	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.48	0.00
pp939*	2.23	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.23	0.00
T0304	3.78	66	31	36.84	9.00	14.29	10.50	18.67	31.50	4.63	0.72	0.35	2.00	42.00	53.00	4	27	3	3	1	1			3.78	158.76		
T0402	11.21	65	31	60.36	18.50	41.05	29.00	10.30	13.50	14.95	0.00	0.16	0.50	42.50	61.50	1	30	0	3	1	1	11.21	476.43				
T0403	14.33	37	31	54.72	14.50	12.91	9.00	7.14	9.50	5.48	8.86	3.24	12.00	18.50	45.00	4	16	38	3	1	0					14.33	265.11
T0404	18.48	34	26P	6.00	2.50	21.55	17.00	20.37	25.50	1.08	0.00	0.00	0.00	42.50	45.00	1	32	0	3	1	1	18.48	785.40				
T0405	2.85	40	31	43.85	13.50	36.59	27.00	8.19	12.00	2.40	2.27	1.87	4.50	39.00	57.00	1	29	8	3	1	0	2.85	111.15				
	195.68																					**85.90**	**3,187.22**	**11.41**	**432.19**	**98.37**	**1,734.35**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0411	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			6.03	219.25		
J0416	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.03	53.80
J0524	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	35.48	1,206.32				
J0525	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					46.96	790.81
J0526	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.86	70.07
pp760*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.67	0.00
T0304	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			1.82	76.44		
T0402	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	6.74	286.45				
T0403	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					13.67	252.90
T0404	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	18.48	785.40				
T0405	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	2.85	111.15				
			2009 SUB-TOTAL	**63.55**	**2,389.32**	**7.85**	**295.69**	**66.19**	**1,167.58**
J0524	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.31	10.54				
T0304	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.06	2.52		
T0403	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.08	1.48
			2010 SUB-TOTAL	**0.31**	**10.54**	**0.06**	**2.52**	**0.08**	**1.48**
			TOTAL REMOVALS	**63.86**	**2,399.86**	**7.91**	**298.21**	**66.27**	**1,169.06**

POST-PROJECT

	2009		2010	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**22.35**	**797.90**	**22.04**	**787.36**
Potentially Suitable Habitat	**3.56**	**136.50**	**3.50**	**133.98**
Future Potential Habitat	**32.18**	**566.77**	**8.78**	**67.81**
SUB-TOTAL	**58.09**	**1,501.17**	**34.32**	**989.15**
non-contiguous habitat	**-23.32**	**-497.48**	**0.00**	**0.00**
TOTAL	**34.77**	**1,003.69**	**34.32**	**989.15**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

A portion of stand J0525 and stands J0514, J0526 and pp939 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-76. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J04-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0411	7.63	55	10	37.41	12.73	34.49	24.55	9.37	11.82	54.00	8.90	4.59	11.82	36.36	60.91	7	2	24	3	1	2.95	PS					7.63	273.43
J0416	2.03	57	26	6.57	2.00	12.14	8.50	11.84	18.00	14.69	5.47	1.79	6.50	26.50	35.00	1	34	23	3	1	3.70	PS					2.03	53.80
J0514	0.64	74	26	5.43	1.50	8.69	6.50	12.47	18.00	17.54	5.79	2.07	7.00	24.50	33.00	1	7	27	3	1	3.53	PS					0.64	15.68
J0524	53.36	60	31	7.78	1.50	13.51	10.00	17.17	24.00	4.97	0.97	1.59	2.50	34.00	38.00	1	47	8	3	1	4.33	PS					53.36	1,814.24
J0525	52.86	111	21	46.24	10.53	2.43	1.58	7.99	15.26	7.56	5.20	1.36	5.79	16.84	33.16	1	24	39	3	1	3.46	PS					52.86	890.16
J0526	20.80	103	26	30.12	8.00	11.81	8.00	10.35	16.50	3.19	4.42	0.00	3.00	24.50	35.50	1	32	17	3	1	3.81	PS					20.80	509.60
pp760*	5.48	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					5.48	0.00
pp939*	2.23	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.23	0.00
T0304	3.78	66	31	36.84	9.00	14.29	10.50	18.67	31.50	4.63	0.72	0.35	2.00	42.00	53.00	4	27	3	3	1	4.18	PS			3.78	158.76		
T0402	11.21	65	31	60.36	18.50	41.05	29.00	10.30	13.50	14.95	0.00	0.16	0.50	42.50	61.50	1	30	0	3	1	3.75	PS					11.21	476.43
T0403	14.33	37	31	54.72	14.50	12.91	9.00	7.14	9.50	5.48	8.86	3.24	12.00	18.50	45.00	4	16	38	3	1	2.55	PS					14.33	265.11
T0404	18.48	34	26P	6.00	2.50	21.55	17.00	20.37	25.50	1.08	0.00	0.00	0.00	42.50	45.00	1	32	0	3	1	4.02	PS					18.48	785.40
T0405	2.85	40	31	43.85	13.50	36.59	27.00	8.19	12.00	2.40	2.27	1.87	4.50	39.00	57.00	1	29	8	3	1	3.19	PS					2.85	111.15
	195.68																						**0.00**	**0.00**	**3.78**	**158.76**	**191.90**	**5,195.00**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0411	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					6.03	219.25
J0416	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.03	53.80
J0524	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					35.48	1,206.32
J0525	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					46.96	790.81
J0526	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.86	70.07
pp760*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.67	0.00
T0304	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			1.82	76.44		
T0402	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					6.74	286.45
T0403	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					13.67	252.90
T0404	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					18.48	785.40
T0405	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.85	111.15
			2009 SUB-TOTAL	**0.00**	**0.00**	**1.82**	**76.44**	**135.77**	**3,776.15**
J0524	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.31	10.54
T0304	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.06	2.52		
T0403	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.08	1.48
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.06**	**2.52**	**0.39**	**12.02**
			TOTAL REMOVALS	**0.00**	**0.00**	**1.88**	**78.96**	**136.16**	**3,788.17**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	0.00	**0.00**
Potentially Suitable Habitat	**1.96**	**82.32**	**1.90**	**79.80**
Future Potential Habitat	**56.13**	**1,418.85**	**32.42**	**909.35**
SUB-TOTAL	**58.09**	**1,501.17**	**34.32**	**989.15**
non-contiguous habitat	**-23.32**	**-497.48**	**0.00**	**0.00**
TOTAL	**34.77**	**1,003.69**	**34.32**	**989.15**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

A portion of stand J0525 and stands J0514, J0526 and pp939 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-77. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J05-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0514	0.48	74	26	5.43	1.50	8.69	6.50	12.47	18.00	17.54	5.79	2.07	7.00	24.50	33.00	1	7	27	3	1	0					0.00	0.00
J0522	8.89	75	21	2.28	1.00	9.19	7.50	13.70	20.50	21.10	6.64	1.89	7.50	28.00	36.50	1	12	27	3	1	0					8.89	248.92
J0526	59.74	103	26	30.12	8.00	11.81	8.00	10.35	16.50	3.19	4.42	0.00	3.00	24.50	35.50	1	32	17	3	1	0					59.74	1,463.63
J0629	1.77	88	31	1.36	0.50	3.56	2.50	24.21	39.00	4.58	0.53	1.93	4.00	41.50	46.00	2	20	8	3	1	1	0.00	0.00				
J0632	19.78	75	10	75.86	19.50	14.90	10.50	6.41	8.00	35.74	13.81	4.55	15.50	18.50	53.50	5	11	46	3	1	0					19.78	365.93
J0637	41.04	84	31	18.20	5.79	11.66	8.42	15.52	22.63	5.19	2.23	1.29	3.68	31.05	40.53	8	11	11	3	1	0			41.04	1,274.29		
J0638	20.76	92	53**	9.98	3.50	6.11	4.50	5.80	8.50	32.61	20.33	9.17	28.50	13.00	45.00	4	11	71	3	1	0					0.00	0.00
J0639	0.59	92	26	23.19	7.00	7.79	5.50	13.20	20.00	12.28	6.69	0.78	5.50	25.50	38.00	1	25	26	3	1	0					0.00	0.00
J0640	2.60	66	21	18.79	5.50	17.63	13.00	13.75	22.00	5.60	3.35	3.15	7.00	35.00	47.50	2	24	17	3	1	0	0.00	0.00				
pp614*	9.62	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					9.62	0.00
pp939*	10.02	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					10.02	0.00
T0404	1.62	34	26P	6.00	2.50	21.55	17.00	20.37	25.50	1.08	0.00	0.00	0.00	42.50	45.00	1	32	0	3	1	1	1.62	68.85				
T0405	31.91	40	31	43.85	13.50	36.59	27.00	8.19	12.00	2.40	2.27	1.87	4.50	39.00	57.00	1	29	8	3	1	0	31.91	1,244.49				
T0406	49.23	51	26	23.02	6.50	20.08	14.50	16.88	22.00	4.77	2.00	1.31	3.50	36.50	46.50	1	30	8	3	1	0	49.23	1,796.90				
T0414	4.91	59	21	75.02	23.00	54.80	36.00	6.77	8.50	15.43	2.77	0.62	3.00	44.50	70.50	1	14	5	3	1	0			4.91	218.50		
	262.85																					**82.76**	**3,110.24**	**45.95**	**1,492.79**	**108.05**	**2,078.48**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0526	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					50.39	1,234.56
J0632	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					4.26	78.81
J0637	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			39.96	1,240.76		
J0639	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.07	1.79
pp939*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.13	0.00
T0404	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	1.62	68.85				
T0405	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	31.91	1,244.49				
T0406	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	42.19	1,539.94				
T0414	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			4.91	218.50		
			TOTAL REMOVALS	**75.72**	**2,853.28**	**44.87**	**1,459.26**	**54.85**	**1,315.16**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**7.04**	**256.96**
Potentially Suitable Habitat	**1.08**	**33.53**
Future Potential Habitat	**53.20**	**763.32**
SUB-TOTAL	**61.32**	**1,053.81**
non-contiguous habitat	**-16.39**	**-486.03**
TOTAL	**44.93**	**567.78**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
276P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
53** = White Oak-Red Oak-Hickory (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

A portion of stand J0526 and stand T0406 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-78. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J05-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0514	0.48	74	26	5.43	1.50	8.69	6.50	12.47	18.00	17.54	5.79	2.07	7.00	24.50	33.00	1	7	27	3	1	3.53	PS					0.00	0.00
J0522	8.89	75	21	2.28	1.00	9.19	7.50	13.70	20.50	21.10	6.64	1.89	7.50	28.00	36.50	1	12	27	3	1	3.98	PS					8.89	248.92
J0526	59.74	103	26	30.12	8.00	11.81	8.00	10.35	16.50	3.19	4.42	0.00	3.00	24.50	35.50	1	32	17	3	1	3.81	PS					59.74	1,463.63
J0629	1.77	88	31	1.36	0.50	3.56	2.50	24.21	39.00	4.58	0.53	1.93	4.00	41.50	46.00	2	20	8	3	1	4.33	PS			0.00	0.00		
J0632	19.78	75	10	75.86	19.50	14.90	10.50	6.41	8.00	35.74	13.81	4.55	15.50	18.50	53.50	5	11	46	3	1	2.82	PS					19.78	365.93
J0637	41.04	84	31	18.20	5.79	11.66	8.42	15.52	22.63	5.19	2.23	1.29	3.68	31.05	40.53	8	11	11	3	1	3.63	PS					41.04	1,274.29
J0638	20.76	92	53**	9.98	3.50	6.11	4.50	5.80	8.50	32.61	20.33	9.17	28.50	13.00	45.00	4	11	71	3	1	3.04	PS					0.00	0.00
J0639	0.59	92	26	23.19	7.00	7.79	5.50	13.20	20.00	12.28	6.69	0.78	5.50	25.50	38.00	1	25	26	3	1	4.01	PS					0.00	0.00
J0640	2.60	66	21	18.79	5.50	17.63	13.00	13.75	22.00	5.60	3.35	3.15	7.00	35.00	47.50	2	24	17	3	1	4.13	PS					0.00	0.00
pp614*	9.62	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					9.62	0.00
pp939*	10.02	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					10.02	0.00
T0404	1.62	34	26P	6.00	2.50	21.55	17.00	20.37	25.50	1.08	0.00	0.00	0.00	42.50	45.00	1	32	0	3	1	4.02	PS					1.62	68.85
T0405	31.91	40	31	43.85	13.50	36.59	27.00	8.19	12.00	2.40	2.27	1.87	4.50	39.00	57.00	1	29	8	3	1	3.19	PS					31.91	1,244.49
T0406	49.23	51	26	23.02	6.50	20.08	14.50	16.88	22.00	4.77	2.00	1.31	3.50	36.50	46.50	1	30	8	3	1	4.08	PS					49.23	1,796.90
T0414	4.91	59	21	75.02	23.00	54.80	36.00	6.77	8.50	15.43	2.77	0.62	3.00	44.50	70.50	1	14	5	3	1	3.09	PS					4.91	218.50
	262.85																						**0.00**	**0.00**	**0.00**	**0.00**	**236.76**	**6,681.51**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0526	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					50.39	1,234.56
J0632	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					4.26	78.81
J0637	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					39.96	1,240.76
J0639	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.07	1.79
pp939*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.13	0.00
T0404	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.62	68.85
T0405	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					31.91	1,244.49
T0406	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					42.19	1,539.94
T0414	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					4.91	218.50
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**175.44**	**5,627.70**

POST-PROJECT **2009**

	Acres	BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**61.32**	**1,053.81**
SUB-TOTAL	**61.32**	**1,053.81**
non-contiguous habitat	**-16.39**	**-486.03**
TOTAL	**44.93**	**567.78**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
276P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
53** = White Oak-Red Oak-Hickory (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

A portion of stand J0526 and stand T0406 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-79. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J06-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1202	1.33	60	31	33.98	9.00	29.77	20.50	15.84	25.00	3.17	2.49	0.91	3.50	45.50	58.00	2	31	7	3	1	1	1.33	60.52				
D1318	2.49	60	31	88.06	24.74	22.34	14.74	3.06	3.68	0.00	0.00	0.21	0.53	18.42	43.68	2	41	1	3	2	0					2.49	45.87
J0611	0.29	73	31	6.19	2.00	12.18	8.50	14.81	22.50	4.02	1.35	0.20	1.50	31.00	34.50	2	27	5	3	1	0	0.29	8.99				
J0618	0.50	73	13	1.20	0.56	6.71	5.56	12.72	18.33	2.08	1.40	3.88	7.78	23.89	32.22	8	26	21	3	1	0					0.50	11.95
J0619	11.54	31	21P	54.50	16.00	21.55	14.50	2.23	3.00	1.43	0.00	0.46	0.50	17.50	34.00	1	31	2	3	1	0					11.54	201.95
J0620	10.99	56	31	11.89	4.50	8.02	6.00	11.57	16.00	4.32	2.67	1.54	4.00	22.00	30.50	2	22	18	3	1	0					10.99	241.78
J0623	0.14	90	13	3.28	1.00	4.98	3.50	10.21	20.00	26.09	12.08	6.81	18.00	24.50	51.00	5	20	55	3	1	0					0.00	0.00
J0627	26.84	86	26	0.00	0.00	10.09	7.50	15.93	24.50	0.00	2.98	1.64	5.00	32.00	37.00	2	25	15	3	1	0	26.84	858.88				
J0628	61.16	81	21	14.23	4.00	7.96	6.50	21.40	31.00	1.98	2.19	1.00	3.00	37.50	44.50	2	28	10	3	1	0	61.16	2,293.50				
J0629	16.84	88	31	1.36	0.50	3.56	2.50	24.21	39.00	4.58	0.53	1.93	4.00	41.50	46.00	2	20	8	3	1	1	0.00	0.00				
J0630	12.55	66	42**	3.39	1.00	2.07	1.50	14.75	29.00	27.89	9.27	4.90	15.00	30.50	46.50	5	25	46	3	1	0					0.00	0.00
J0633	14.33	73	21	7.97	2.50	19.77	14.50	11.68	16.50	3.80	2.25	0.31	2.00	31.00	35.50	2	20	8	3	1	0	14.33	444.23				
J0634	11.01	68	66***	20.41	5.50	7.26	5.50	6.67	9.00	35.01	20.48	7.40	23.50	14.50	43.50	7	22	67	3	1	0					0.00	0.00
J0635	0.27	58	31	12.83	2.50	9.52	7.00	17.57	25.00	1.33	0.59	0.00	0.50	32.00	35.00	3	30	2	3	1	0	0.27	8.64				
pp513*	31.59	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					31.59	0.00
	201.87																					**104.22**	**3,674.76**	**0.00**	**0.00**	**57.10**	**501.55**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1202	2010	65554	Construct Installation-Wide Roads, Paved	0.57	25.94				
D1318	2010	65554	Construct Installation-Wide Roads, Paved					1.69	31.13
J0628	2010	65554	Construct Installation-Wide Roads, Paved	1.04	39.00				
J0635	2010	65554	Construct Installation-Wide Roads, Paved	0.08	2.56				
			TOTAL REMOVALS	**1.69**	**67.50**	**0.00**	**0.00**	**1.69**	**31.13**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**102.53**	**3,607.26**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**55.41**	**470.42**
TOTAL	**157.95**	**4,077.68**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
66*** = Oak-Hickory (managed for hardwoods)

Stand Score
0=Unsuitable
1=Suitable

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-80. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J06-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1202	1.33	60	31	33.98	9.00	29.77	20.50	15.84	25.00	3.17	2.49	0.91	3.50	45.50	58.00	2	31	7	3	1	4.24	PS					1.33	60.52
D1318	2.49	60	31	88.06	24.74	22.34	14.74	3.06	3.68	0.00	0.00	0.21	0.53	18.42	43.68	2	41	1	3	2	3.19	PS					2.49	45.87
J0611	0.29	73	31	6.19	2.00	12.18	8.50	14.81	22.50	4.02	1.35	0.20	1.50	31.00	34.50	2	27	5	3	1	4.08	PS					0.29	8.99
J0618	0.50	73	13	1.20	0.56	6.71	5.56	12.72	18.33	2.08	1.40	3.88	7.78	23.89	32.22	8	26	21	3	1	3.39	PS					0.50	11.95
J0619	11.54	31	21P	54.50	16.00	21.55	14.50	2.23	3.00	1.43	0.00	0.46	0.50	17.50	34.00	1	31	2	3	1	2.55	PS					11.54	201.95
J0620	10.99	56	31	11.89	4.50	8.02	6.00	11.57	16.00	4.32	2.67	1.54	4.00	22.00	30.50	2	22	18	3	1	3.60	PS					10.99	241.78
J0623	0.14	90	13	3.28	1.00	4.98	3.50	10.21	20.00	26.09	12.08	6.81	18.00	24.50	51.00	5	20	55	3	1	2.31	PS					0.00	0.00
J0627	26.84	86	26	0.00	0.00	10.09	7.50	15.93	24.50	0.00	2.98	1.64	5.00	32.00	37.00	2	25	15	3	1	4.08	PS					26.84	858.88
J0628	61.16	81	21	14.23	4.00	7.96	6.50	21.40	31.00	1.98	2.19	1.00	3.00	37.50	44.50	2	28	10	3	1	4.28	PS					61.16	2,293.50
J0629	16.84	88	31	1.36	0.50	3.56	2.50	24.21	39.00	4.58	0.53	1.93	4.00	41.50	46.00	2	20	8	3	1	4.33	PS			0.00	0.00		
J0630	12.55	66	42**	3.39	1.00	2.07	1.50	14.75	29.00	27.89	9.27	4.90	15.00	30.50	46.50	5	25	46	3	1	3.85	PS					0.00	0.00
J0633	14.33	73	21	7.97	2.50	19.77	14.50	11.68	16.50	3.80	2.25	0.31	2.00	31.00	35.50	2	20	8	3	1	3.69	PS					14.33	444.23
J0634	11.01	68	66***	20.41	5.50	7.26	5.50	6.67	9.00	35.01	20.48	7.40	23.50	14.50	43.50	7	22	67	3	1	2.90	PS					0.00	0.00
J0635	0.27	58	31	12.83	2.50	9.52	7.00	17.57	25.00	1.33	0.59	0.00	0.50	32.00	35.00	3	30	2	3	1	3.94	PS					0.27	8.64
pp513*	31.59	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					31.59	0.00
	201.87																						**0.00**	**0.00**	**0.00**	**0.00**	**161.33**	**4,176.31**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1202	2010	65554	Construct Installation-Wide Roads, Paved					0.57	25.94
D1318	2010	65554	Construct Installation-Wide Roads, Paved					1.69	31.13
J0628	2010	65554	Construct Installation-Wide Roads, Paved					1.04	39.00
J0635	2010	65554	Construct Installation-Wide Roads, Paved					0.08	2.56
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**3.38**	**98.63**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**157.95**	**4,077.68**
TOTAL	**157.95**	**4,077.68**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
66*** = Oak-Hickory (managed for hardwoods)

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-81. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J06-03**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1202	29.59	60	31	33.98	9.00	29.77	20.50	15.84	25.00	3.17	2.49	0.91	3.50	45.50	58.00	2	31	7	3	1	1	29.59	1,346.35				
D1205	0.02	74	26	46.21	14.00	19.05	12.50	11.62	17.00	17.21	5.91	2.00	7.50	29.50	51.00	1	20	21	3	1	0					0.02	0.59
D1217	33.11	46	31	20.19	5.00	24.23	17.50	10.89	16.50	14.09	1.44	0.74	2.00	34.00	41.00	2	36	6	3	1	0	33.11	1,125.74				
D1218	2.94	46	31	27.56	9.00	37.12	25.50	8.42	12.00	21.03	1.22	1.28	3.00	37.50	49.50	1	26	5	3	1	0	2.94	110.25				
D1225	11.68	45	10U	3.54	1.00	24.76	18.50	14.50	20.00	9.09	3.97	0.33	3.00	38.50	42.50	1	33	10	3	1	0	11.68	449.68				
D1227	0.55	50	21	19.17	4.29	11.97	10.00	27.07	37.14	3.23	6.48	2.09	7.14	47.14	58.57	2	20	18	3	1	1	0.55	25.93				
D1242	0.81	45	31	5.85	2.00	18.42	13.50	11.02	17.00	11.57	4.52	3.81	8.00	30.50	40.50	1	22	22	3	1	0	0.81	24.71				
J0633	32.35	73	21	7.97	2.50	19.77	14.50	11.68	16.50	3.80	2.25	0.31	2.00	31.00	35.50	2	20	8	3	1	0	32.35	1,002.85				
J0634	6.21	68	66***	20.41	5.50	7.26	5.50	6.67	9.00	35.01	20.48	7.40	23.50	14.50	43.50	7	22	67	3	1	0					0.00	0.00
J0635	13.27	58	31	12.83	2.50	9.52	7.00	17.57	25.00	1.33	0.59	0.00	0.50	32.00	35.00	3	30	2	3	1	0	13.27	424.64				
J0637	0.25	84	31	18.20	5.79	11.66	8.42	15.52	22.63	5.19	2.23	1.29	3.68	31.05	40.53	8	11	11	3	1	0			0.25	7.76		
J0638	1.47	92	53**	9.98	3.50	6.11	4.50	5.80	8.50	32.61	20.33	9.17	28.50	13.00	45.00	4	11	71	3	1	0					0.00	0.00
J0639	37.18	92	26	23.19	7.00	7.79	5.50	13.20	20.00	12.28	6.69	0.78	5.50	25.50	38.00	1	25	26	3	1	0					37.18	948.09
J0640	52.52	66	21	18.79	5.50	17.63	13.00	13.75	22.00	5.60	3.35	3.15	7.00	35.00	47.50	2	24	17	3	1	0	52.52	1,838.20				
T0406	28.26	51	26	23.02	6.50	20.08	14.50	16.88	22.00	4.77	2.00	1.31	3.50	36.50	46.50	1	30	8	3	1	0	28.26	1,031.49				
T0407	36.45	69	21	10.40	3.00	7.19	5.50	16.36	24.00	17.69	9.18	1.51	9.00	29.50	41.50	1	28	31	3	1	0					36.45	1,075.28
T0416	6.87	54	25	10.77	3.00	22.08	15.00	14.46	21.50	8.25	4.54	3.25	7.50	36.50	47.00	1	28	18	3	1	0	6.87	250.76				
	293.53																					**211.95**	**7,630.60**	**0.25**	**7.76**	**73.65**	**2,023.96**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1217	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	4.40	149.60				
D1225	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	6.23	239.86				
D1242	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	0.81	24.71				
J0637	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			0.25	7.76		
J0639	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					7.91	201.71
T0406	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	8.11	296.02				
T0407	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					10.87	320.67
			2009 SUB-TOTAL	**19.55**	**710.19**	**0.25**	**7.76**	**18.78**	**522.38**
D1202	2010	65554	Construct Installation-Wide Roads	3.08	140.14				
D1217	2010	65554	Construct Installation-Wide Roads	0.44	14.96				
D1225	2010	65554	Construct Installation-Wide Roads	1.69	65.07				
J0635	2010	65554	Construct Installation-Wide Roads	1.79	57.28				
J0640	2010	65554	Construct Installation-Wide Roads	0.76	26.60				
T0406	2010	65557	Repair/ Upgrade Existing Training Area Roads	2.54	92.71				
T0407	2010	65554	Construct Installation-Wide Roads					2.37	69.92
T0407	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.92	27.14
T0416	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.76	27.74				
			2010 SUB-TOTAL	**11.06**	**424.50**	**0.00**	**0.00**	**3.29**	**97.06**
			TOTAL REMOVALS	**30.61**	**1,134.69**	**0.25**	**7.76**	**22.07**	**619.44**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**192.40**	**6,920.41**	**181.34**	**6,495.91**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**54.87**	**1,501.58**	**51.58**	**1,404.52**
SUB-TOTAL	**247.27**	**8,421.99**	**232.92**	**7,900.43**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Forest Type:
10U = Yellow Pine-Upland Hardwood Underplanted
21 = Longleaf Pine
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
53** = White Oak-Red Oak-Hickory (managed for hardwoods)
66*** = Oak-Hickory (managed for hardwoods)

Table D-82. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J06-03**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1202	29.59	60	31	33.98	9.00	29.77	20.50	15.84	25.00	3.17	2.49	0.91	3.50	45.50	58.00	2	31	7	3	1	4.24	PS					29.59	1,346.35
D1205	0.02	74	26	46.21	14.00	19.05	12.50	11.62	17.00	17.21	5.91	2.00	7.50	29.50	51.00	1	20	21	3	1	3.61	PS					0.02	0.59
D1217	33.11	46	31	20.19	5.00	24.23	17.50	10.89	16.50	14.09	1.44	0.74	2.00	34.00	41.00	2	36	6	3	1	3.65	PS					33.11	1,125.74
D1218	2.94	46	31	27.56	9.00	37.12	25.50	8.42	12.00	21.03	1.22	1.28	3.00	37.50	49.50	1	26	5	3	1	3.24	PS					2.94	110.25
D1225	11.68	45	10U	3.54	1.00	24.76	18.50	14.50	20.00	9.09	3.97	0.33	3.00	38.50	42.50	1	33	10	3	1	3.95	PS					11.68	449.68
D1227	0.55	50	21	19.17	4.29	11.97	10.00	27.07	37.14	3.23	6.48	2.09	7.14	47.14	58.57	2	20	18	3	1	4.19	PS					0.55	25.93
D1242	0.81	45	31	5.85	2.00	18.42	13.50	11.02	17.00	11.57	4.52	3.81	8.00	30.50	40.50	1	22	22	3	1	3.51	PS					0.81	24.71
J0633	32.35	73	21	7.97	2.50	19.77	14.50	11.68	16.50	3.80	2.25	0.31	2.00	31.00	35.50	2	20	8	3	1	3.69	PS					32.35	1,002.85
J0634	6.21	68	66***	20.41	5.50	7.26	5.50	6.67	9.00	35.01	20.48	7.40	23.50	14.50	43.50	7	22	67	3	1	2.90	PS					0.00	0.00
J0635	13.27	58	31	12.83	2.50	9.52	7.00	17.57	25.00	1.33	0.59	0.00	0.50	32.00	35.00	3	30	2	3	1	3.94	PS					13.27	424.64
J0637	0.25	84	31	18.20	5.79	11.66	8.42	15.52	22.63	5.19	2.23	1.29	3.68	31.05	40.53	8	11	11	3	1	3.63	PS					0.25	7.76
J0638	1.47	92	53**	9.98	3.50	6.11	4.50	5.80	8.50	32.61	20.33	9.17	28.50	13.00	45.00	4	11	71	3	1	3.04	PS					0.00	0.00
J0639	37.18	92	26	23.19	7.00	7.79	5.50	13.20	20.00	12.28	6.69	0.78	5.50	25.50	38.00	1	25	26	3	1	4.01	PS					37.18	948.09
J0640	52.52	66	21	18.79	5.50	17.63	13.00	13.75	22.00	5.60	3.35	3.15	7.00	35.00	47.50	2	24	17	3	1	4.13	PS					52.52	1,838.20
T0406	28.26	51	26	23.02	6.50	20.08	14.50	16.88	22.00	4.77	2.00	1.31	3.50	36.50	46.50	1	30	8	3	1	4.08	PS					28.26	1,031.49
T0407	36.45	69	21	10.40	3.00	7.19	5.50	16.36	24.00	17.69	9.18	1.51	9.00	29.50	41.50	1	28	31	3	1	4.08	PS					36.45	1,075.28
T0416	6.87	54	25	10.77	3.00	22.08	15.00	14.46	21.50	8.25	4.54	3.25	7.50	36.50	47.00	1	28	18	3	1	3.99	PS					6.87	250.76
	293.53																						**0.00**	**0.00**	**0.00**	**0.00**	**285.85**	**9,662.32**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1217	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					4.40	149.60
D1225	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					6.23	239.86
D1242	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.81	24.71
J0637	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.25	7.76
J0639	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					7.91	201.71
T0406	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					8.11	296.02
T0407	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					10.87	320.67
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**38.58**	**1,240.33**
D1202	2010	65554	Construct Installation-Wide Roads					3.08	140.14
D1217	2010	65554	Construct Installation-Wide Roads					0.44	14.96
D1225	2010	65554	Construct Installation-Wide Roads					1.69	65.07
J0635	2010	65554	Construct Installation-Wide Roads					1.79	57.28
J0640	2010	65554	Construct Installation-Wide Roads					0.76	26.60
T0406	2010	65557	Repair/ Upgrade Existing Training Area Roads					2.54	92.71
T0407	2010	65554	Construct Installation-Wide Roads					2.37	69.92
T0407	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.92	27.14
T0416	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.76	27.74
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**14.35**	**521.56**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**52.93**	**1,761.89**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**247.27**	**8,421.99**	**232.92**	**7,900.43**
SUB-TOTAL	**247.27**	**8,421.99**	**232.92**	**7,900.43**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
10U = Yellow Pine-Upland Hardwood Underplanted
21 = Longleaf Pine
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
53** = White Oak-Red Oak-Hickory (managed for hardwoods)
66*** = Oak-Hickory (managed for hardwoods)

Table D-83. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K02-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0918	6.00	64	21	27.41	7.65	14.93	10.59	12.05	18.24	16.03	3.96	4.89	9.41	28.82	45.88	6	25	25	3	1	0					6.00	172.92
O0928	7.21	62	31	81.35	24.74	31.37	21.58	6.96	10.00	22.27	5.83	3.93	10.53	31.58	66.84	9	7	20	3	1	0			7.21	227.69		
O0929	28.72	62	21	16.06	4.50	10.84	8.00	11.70	17.50	4.32	1.65	0.00	1.00	25.50	31.00	2	29	7	3	1	0					28.72	732.36
O0931	46.15	97	26	37.01	11.50	25.65	17.50	6.14	8.00	18.33	5.62	2.00	6.50	25.50	43.50	2	47	19	3	1	0					46.15	1,176.83
O0935	81.17	72	21	55.34	15.50	18.58	14.00	11.57	15.00	10.60	5.16	2.81	8.00	29.00	52.50	1	25	21	3	1	0					81.17	2,353.93
O0936	33.67	102	22P	74.41	22.38	16.57	10.95	2.35	3.33	4.52	0.00	0.00	0.00	14.29	36.67	2	19	0	3	1	0					33.67	481.14
O0940	1.68	57	22P	71.70	23.33	20.22	13.33	5.76	6.67	43.63	0.00	0.00	0.00	20.00	43.33	4	30	0	3	1	0					1.68	33.60
O0942	52.11	89	11	22.89	7.50	10.68	7.50	6.63	10.00	16.34	4.77	4.78	11.00	17.50	36.00	7	15	36	3	1	0					52.11	911.93
O0944	4.43	39	22P	225.43	55.00	21.01	13.33	2.36	3.33	23.97	0.00	0.00	0.00	16.67	71.67	2	18	0	3	1	0					4.43	73.85
O0950	2.82	79	31	61.89	16.50	14.34	11.00	12.41	20.00	18.86	7.18	2.86	9.00	31.00	56.50	7	29	27	3	1	0			2.82	87.42		
	263.96																					**0.00**	**0.00**	**10.03**	**315.11**	**253.93**	**5,936.56**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0918	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					1.24	35.74
O0918	2009	65383	Beaten Area					0.05	1.44
O0929	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					8.09	206.30
O0929	2009	65383	Beaten Area					0.16	4.08
O0931	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					42.92	1,094.46
O0931	2009	65383	Beaten Area					1.09	27.80
O0935	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					9.48	274.92
O0935	2009	65383	Beaten Area					42.70	1,238.30
O0936	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					33.65	480.86
O0940	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					1.68	33.60
O0942	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					41.15	720.13
O0942	2009	65383	Beaten Area					2.28	39.90
O0944	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					4.43	73.85
O0950	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)			2.78	86.18		
			TOTAL REMOVALS	**0.00**	**0.00**	**2.78**	**86.18**	**188.92**	**4,231.38**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**7.25**	**228.93**
Future Potential Habitat	**65.01**	**1,705.18**
SUB-TOTAL	**72.26**	**1,934.11**
non-contiguous habitat	**-8.68**	**-151.90**
TOTAL	**63.58**	**1,782.21**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Stand O0942 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-84. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K02-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0918	6.00	64	21	27.41	7.65	14.93	10.59	12.05	18.24	16.03	3.96	4.89	9.41	28.82	45.88	6	25	25	3	1	3.53	PS					6.00	172.92
O0928	7.21	62	31	81.35	24.74	31.37	21.58	6.96	10.00	22.27	5.83	3.93	10.53	31.58	66.84	9	7	20	3	1	2.43	PS					7.21	227.69
O0929	28.72	62	21	16.06	4.50	10.84	8.00	11.70	17.50	4.32	1.65	0.00	1.00	25.50	31.00	2	29	7	3	1	3.74	PS					28.72	732.36
O0931	46.15	97	26	37.01	11.50	25.65	17.50	6.14	8.00	18.33	5.62	2.00	6.50	25.50	43.50	2	47	19	3	1	3.44	PS					46.15	1,176.83
O0935	81.17	72	21	55.34	15.50	18.58	14.00	11.57	15.00	10.60	5.16	2.81	8.00	29.00	52.50	1	25	21	3	1	3.71	PS					81.17	2,353.93
O0936	33.67	102	22P	74.41	22.38	16.57	10.95	2.35	3.33	4.52	0.00	0.00	0.00	14.29	36.67	2	19	0	3	1	2.76	PS					33.67	481.14
O0940	1.68	57	22P	71.70	23.33	20.22	13.33	5.76	6.67	43.63	0.00	0.00	0.00	20.00	43.33	4	30	0	3	1	2.56	NH					1.68	33.60
O0942	52.11	89	11	22.89	7.50	10.68	7.50	6.63	10.00	16.34	4.77	4.78	11.00	17.50	36.00	7	15	36	3	1	2.94	PS					52.11	911.93
O0944	4.43	39	22P	225.43	55.00	21.01	13.33	2.36	3.33	23.97	0.00	0.00	0.00	16.67	71.67	2	18	0	3	1	2.29	PS					4.43	73.85
O0950	2.82	79	31	61.89	16.50	14.34	11.00	12.41	20.00	18.86	7.18	2.86	9.00	31.00	56.50	7	29	27	3	1	3.48	PS					2.82	87.42
	263.96																						**0.00**	**0.00**	**0.00**	**0.00**	**263.96**	**6,251.67**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0918	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					1.24	35.74
O0928	2009	65383	Beaten Area					0.05	1.44
O0929	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					8.09	206.30
O0929	2009	65383	Beaten Area					0.16	4.08
O0931	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					42.92	1,094.46
O0931	2009	65383	Beaten Area					1.09	27.80
O0935	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					9.48	274.92
O0935	2009	65383	Beaten Area					42.70	1,238.30
O0936	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					33.65	480.86
O0940	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					1.68	33.60
O0942	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					41.15	720.13
O0942	2009	65383	Beaten Area					2.28	39.90
O0944	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					4.43	73.85
O0950	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					2.78	86.18
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**191.70**	**4,317.56**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	0.00	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**72.26**	**1,934.11**
SUB-TOTAL	**72.26**	**1,934.11**
non-contiguous habitat	**-8.68**	**-151.90**
TOTAL	**63.58**	**1,782.21**

Key:

BA= basal area

dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Stand O0942 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-85. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K08-03**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0807	62.66	72	21	18.82	5.50	8.63	6.50	17.45	26.00	23.05	11.84	1.50	10.00	32.50	48.00	2	28	34	3	1	0	62.66	2,036.45				
K0820	35.65	72	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	1	35.65	1,515.13				
pp706*	28.49	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					28.49	0.00
pp707*	0.53	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.53	0.00
	127.33																					**98.31**	**3,551.58**	**0.00**	**0.00**	**29.02**	**0.00**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0807	2010	65554	Construct Intallation-Wide Roads, Paved	3.13	101.73				
K0820	2010	65554	Construct Intallation-Wide Roads, Paved	3.13	133.03				
pp706*	2010	65554	Construct Intallation-Wide Roads, Paved					0.59	0.00
			TOTAL REMOVALS	**6.26**	**234.76**	**0.00**	**0.00**	**0.59**	**0.00**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**92.05**	**3,316.82**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**28.43**	**0.00**
TOTAL	**120.48**	**3,316.82**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

*** Note:** No pine data provided for stands less than 30 years of age.

Table D-86. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K08-03**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0807	62.66	71	21	18.82	5.50	8.63	6.50	17.45	26.00	23.05	11.84	1.50	10.00	32.50	48.00	2	28	34	3	1	4.08	PS					62.66	2,036.45
K0820	35.65	71	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	4.53	CS	35.65	1,515.13				
pp706*	28.49	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					28.49	0.00
pp707*	0.53	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.53	0.00
	127.33																						**35.65**	**1,515.13**	**0.00**	**0.00**	**91.68**	**2,036.45**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0807	2010	65554	Construct Installation-Wide Roads, Paved					3.13	101.73
K0820	2010	65554	Construct Installation-Wide Roads, Paved	3.13	133.03				
pp706*	2010	65554	Construct Installation-Wide Roads, Paved					0.59	0.00
			TOTAL REMOVALS	**3.13**	**133.03**	**0.00**	**0.00**	**3.72**	**101.73**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**32.52**	**1,382.10**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**87.96**	**1,934.72**
TOTAL	**120.48**	**3,316.82**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*** Note:** No pine data provided for stands less than 30 years of age.

Table D-87. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K08-04**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0807	47.63	72	21	18.82	5.50	8.63	6.50	17.45	26.00	23.05	11.84	1.50	10.00	32.50	48.00	2	28	34	3	1	0	47.63	1,547.98				
K0810	70.08	72	31	13.84	4.00	18.31	14.00	17.01	26.00	7.31	3.82	1.26	4.50	40.00	48.50	1	33	13	3	1	1	70.08	2,803.20				
K0820	23.51	72	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	1	23.51	999.18				
K0902	6.45	17	31P	328.62	84.00	16.09	10.00	0.98	1.00	0.00	0.00	0.00	0.00	11.00	95.00	2	21	0	3	1	0			6.45	70.95		
K0909	30.51	89	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	0	30.51	996.76				
K0912	1.35	90	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	0					1.35	39.83
K0915	5.45	81	26	21.08	6.50	11.02	8.50	18.25	29.50	24.11	17.43	3.66	17.50	38.00	62.00	1	19	42	3	2	0	5.45	207.10				
pp707*	3.07	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.07	0.00
	188.05																					**177.18**	**6,554.22**	**6.45**	**70.95**	**4.42**	**39.83**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0807	2010	65554	Construct Installation-Wide Roads, Paved	1.97	64.03				
K0810	2010	65554	Construct Installation-Wide Roads, Paved	4.13	165.20				
K0820	2010	65554	Construct Installation-Wide Roads, Paved	3.21	136.43				
K0909	2010	65554	Construct Installation-Wide Roads, Paved	1.39	45.41				
K0912	2010	65554	Construct Installation-Wide Roads, Paved					0.47	13.87
K0915	2010	65554	Construct Installation-Wide Roads, Paved	2.50	95.00				
			TOTAL REMOVALS	**13.20**	**506.07**	**0.00**	**0.00**	**0.47**	**13.87**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**163.98**	**6,048.15**
Potentially Suitable Habitat	**6.45**	**70.95**
Future Potential Habitat	**3.95**	**25.97**
TOTAL	**174.38**	**6,145.06**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Stand Score
0=Unsuitable
1=Suitable

*** Note:** No pine data was provided for pine plantation stands less then 30 years old.

Table D-88. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K08-04**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0807	47.63	72	21	18.82	5.50	8.63	6.50	17.45	26.00	23.05	11.84	1.50	10.00	32.50	48.00	2	28	34	3	1	4.08	PS					47.63	1,547.98
K0810	70.08	72	31	13.84	4.00	18.31	14.00	17.01	26.00	7.31	3.82	1.26	4.50	40.00	48.50	1	33	13	3	1	4.28	PS					70.08	2,803.20
K0820	23.51	72	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	4.53	CS	23.51	999.18				
K0902	6.45	17	31P	328.62	84.00	16.09	10.00	0.98	1.00	0.00	0.00	0.00	0.00	11.00	95.00	2	21	0	3	1	2.26	NH					6.45	70.95
K0909	30.51	89	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	4.18	PS					30.51	996.76
K0912	1.35	90	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	3.98	PS					1.35	39.83
K0915	5.45	81	26	21.08	6.50	11.02	8.50	18.25	29.50	24.11	17.43	3.66	17.50	38.00	62.00	1	19	42	3	2	4.32	PS					5.45	207.10
pp707*	3.07	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.07	0.00
	188.05																						**23.51**	**999.18**	**0.00**	**0.00**	**164.54**	**5,665.82**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0807	2010	65554	Construct Installation-Wide Roads, Paved					1.97	64.03
K0810	2010	65554	Construct Installation-Wide Roads, Paved					4.13	165.20
K0820	2010	65554	Construct Installation-Wide Roads, Paved	3.21	136.43				
K0909	2010	65554	Construct Installation-Wide Roads, Paved					1.39	45.41
K0912	2010	65554	Construct Installation-Wide Roads, Paved					0.47	13.87
K0915	2010	65554	Construct Installation-Wide Roads, Paved					2.50	95.00
			TOTAL REMOVALS	**3.21**	**136.43**	**0.00**	**0.00**	**10.46**	**383.51**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**20.30**	**862.75**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**154.08**	**5,282.31**
TOTAL	**174.38**	**6,145.06**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*** Note: No pine data was provided for pine plantation stands less then 30 years old.**

Table D-89. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K09-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0820	1.58	72	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	1	1.58	67.15				
K0909	0.57	89	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	0	0.57	18.62				
K0912	41.03	90	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	0					41.03	1,210.39
K0913	18.43	79	21S	24.77	7.89	11.62	8.95	10.48	16.84	28.37	8.68	0.78	6.84	25.79	40.53	7	17	30	3	2	0					18.43	475.31
K0914	0.51	78	21	29.97	9.50	13.48	10.00	25.29	40.00	4.75	3.26	2.11	5.00	50.00	64.50	5	29	12	3	2	1			0.51	25.50		
K0915	26.66	81	26	21.08	6.50	11.02	8.50	18.25	29.50	24.11	17.43	3.66	17.50	38.00	62.00	1	19	42	3	2	0	26.66	1,013.08				
K0916	46.85	90	21	13.63	3.50	18.06	14.00	19.60	31.50	4.34	0.94	0.91	2.00	45.50	51.00	1	33	5	3	2	1	46.85	2,131.68				
K0917	13.91	49	26	12.17	4.00	13.69	10.50	20.53	30.00	19.40	7.00	3.85	10.50	40.50	55.00	1	24	24	3	2	0	13.91	563.36				
K0921	32.73	60	66**	21.55	6.32	6.07	4.74	7.21	10.53	18.27	9.63	4.38	13.68	15.26	35.26	2	22	51	3	2	0					0.00	0.00
	182.27																					**89.57**	**3,793.89**	**0.51**	**25.50**	**59.46**	**1,685.70**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0909	2010	65554	Construct Installation-Wide Roads, Paved	0.52	16.99				
K0912	2010	65554	Construct Installation-Wide Roads, Paved					0.71	20.95
			TOTAL REMOVALS	**0.52**	**16.99**	**0.00**	**0.00**	**0.71**	**20.95**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**89.05**	**3,776.90**
Potentially Suitable Habitat	**0.51**	**25.50**
Future Potential Habitat	**58.75**	**1,664.75**
TOTAL	**148.31**	**5,467.15**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21S = Longleaf Pine Scrub Oak
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
66** = Oak-Hickory (managed for hardwoods)

Table D-90. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K09-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0820	1.58	72	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	4.53	CS	1.58	67.15				
K0909	0.57	89	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	4.18	PS					0.57	18.62
K0912	41.03	90	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	3.98	PS					41.03	1,210.39
K0913	18.43	79	21S	24.77	7.89	11.62	8.95	10.48	16.84	28.37	8.68	0.78	6.84	25.79	40.53	7	17	30	3	2	3.43	PS					18.43	475.31
K0914	0.51	78	21	29.97	9.50	13.48	10.00	25.29	40.00	4.75	3.26	2.11	5.00	50.00	64.50	5	29	12	3	2	4.23	PS			0.51	25.50		
K0915	26.66	81	26	21.08	6.50	11.02	8.50	18.25	29.50	24.11	17.43	3.66	17.50	38.00	62.00	1	19	42	3	2	4.32	PS					26.66	1,013.08
K0916	46.85	90	21	13.63	3.50	18.06	14.00	19.60	31.50	4.34	0.94	0.91	2.00	45.50	51.00	1	33	5	3	2	4.58	CS	46.85	2,131.68				
K0917	13.91	49	26	12.17	4.00	13.69	10.50	20.53	30.00	19.40	7.00	3.85	10.50	40.50	55.00	1	24	24	3	2	4.21	PS					13.91	563.36
K0921	32.73	60	66**	21.55	6.32	6.07	4.74	7.21	10.53	18.27	9.63	4.38	13.68	15.26	35.26	2	22	51	3	2	3.53	PS					0.00	0.00
	182.27																						**48.43**	**2,198.83**	**0.51**	**25.50**	**100.60**	**3,280.76**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0909	2010	65554	Construct Installation-Wide Roads, Paved					0.52	16.99
K0912	2010	65554	Construct Installation-Wide Roads, Paved					0.71	20.95
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**1.23**	**37.94**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**48.43**	**2,198.83**
Potentially Suitable Habitat	**0.51**	**25.50**
Future Potential Habitat	**99.37**	**3,242.82**
TOTAL	**148.31**	**5,467.15**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
21 = Longleaf Pine
21S = Longleaf Pine Scrub Oak
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
66** = Oak-Hickory (managed for hardwoods)

Table D-91. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K09-03R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0903	18.37	17	31P	281.45	67.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.00	1	36	0	3	1	0					18.37	0.00
K0905	97.59	49	31	27.08	7.22	7.50	5.56	18.94	28.89	21.67	8.49	1.15	7.78	34.44	49.44	2	19	27	3	1	0	97.59	3,361.00				
K0909	15.00	89	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	0	15.00	490.05				
K0910	4.05	78	31P	277.83	65.00	4.97	2.50	0.00	0.00	12.73	0.00	0.00	0.00	2.50	67.50	1	33	0	3	1	0					4.05	10.13
K0911	55.07	70	31	61.06	15.50	13.82	9.50	16.96	26.00	8.86	2.54	0.83	3.00	35.50	54.00	1	29	10	3	1	0	0.00	0.00				
K0912	0.97	90	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	0					0.97	28.62
K0913	24.16	79	21S	24.77	7.89	11.62	8.95	10.48	16.84	28.37	8.68	0.78	6.84	25.79	40.53	7	17	30	3	2	0					24.16	623.09
K0914	44.48	78	21	29.97	9.50	13.48	10.00	25.29	40.00	4.75	3.26	2.11	5.00	50.00	64.50	5	29	12	3	2	1			44.48	2,224.00		
K0917	34.44	49	26	12.17	4.00	13.69	10.50	20.53	30.00	19.40	7.00	3.85	10.50	40.50	55.00	1	24	24	3	2	0	34.44	1,394.82				
K0919	0.21	70	31	16.93	5.79	17.96	13.68	22.72	34.74	18.32	11.19	2.28	11.58	48.42	65.79	1	17	25	3	1	0	0.00	0.00				
k1104	0.35	52	22P	109.43	33.00	40.66	25.50	1.95	2.50	3.60	2.64	0.85	3.50	28.00	64.50	1	39	0	3	1	0					0.00	0.00
k1108	9.79	56	31	17.63	5.50	12.46	9.00	16.38	24.50	0.00	0.74	0.00	0.50	33.50	39.50	2	52	0	3	1	0	0.00	0.00				
k1113	1.13	56	10	44.97	11.50	11.71	7.50	9.33	14.00	23.60	2.17	1.00	3.00	21.50	36.00	5	24	0	3	1	0					0.00	0.00
pp708*	12.07	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					12.07	0.00
pp709*	3.16	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
	320.84																					**147.03**	**5,245.87**	**44.48**	**2,224.00**	**59.62**	**661.84**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0905	2010	65554	Construct Installation-Wide Roads, Paved	3.49	120.20				
K0909	2010	65554	Construct Installation-Wide Roads, Paved	1.59	51.95				
K0910	2010	65554	Construct Installation-Wide Roads, Paved					2.44	6.10
K0912	2010	65554	Construct Installation-Wide Roads, Paved					0.54	15.93
K0913	2010	65554	Construct Installation-Wide Roads, Paved					0.57	14.70
K0914	2010	65554	Construct Installation-Wide Roads, Paved			0.22	11.00		
pp708*	2010	65554	Construct Installation-Wide Roads, Paved					1.14	0.00
			TOTAL REMOVALS	**5.08**	**172.15**	**0.22**	**11.00**	**4.69**	**36.73**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**141.95**	**5,073.72**
Potentially Suitable Habitat	**44.26**	**2,213.00**
Future Potential Habitat	**54.93**	**625.11**
TOTAL	**241.14**	**7,911.83**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21S = Longleaf Pine Scrub Oak
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Stand Score
0=Unsuitable
1=Suitable

*** Note:** No pine data provided for pine plantation stand less than 30 years old

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-92. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K09-03R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0903	18.37	17	31P	281.45	67.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.00	1	36	0	3	1	2.36	NH					18.37	0.00
K0905	97.59	49	31	27.08	7.22	7.50	5.56	18.94	28.89	21.67	8.49	1.15	7.78	34.44	49.44	2	19	27	3	1	3.88	PS					97.59	3,361.00
K0909	15.00	89	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	4.18	PS					15.00	490.05
K0910	4.05	78	31P	277.83	65.00	4.97	2.50	0.00	0.00	12.73	0.00	0.00	0.00	2.50	67.50	1	33	0	3	1	2.91	PS					4.05	10.13
K0911	55.07	70	31	61.06	15.50	13.82	9.50	16.96	26.00	8.86	2.54	0.83	3.00	35.50	54.00	1	29	10	3	1	4.05	PS					0.00	0.00
K0912	0.97	90	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	3.98	PS					0.97	28.62
K0913	24.16	79	21S	24.77	7.89	11.62	8.95	10.48	16.84	28.37	8.68	0.78	6.84	25.79	40.53	7	17	30	3	2	3.43	PS					24.16	623.09
K0914	44.48	78	21	29.97	9.50	13.48	10.00	25.29	40.00	4.75	3.26	2.11	5.00	50.00	64.50	5	29	12	3	2	4.23	PS			44.48	2,224.00		
K0917	34.44	49	26	12.17	4.00	13.69	10.50	20.53	30.00	19.40	7.00	3.85	10.50	40.50	55.00	1	24	24	3	2	4.21	PS					34.44	1,394.82
K0919	0.21	70	31	16.93	5.79	17.96	13.68	22.72	34.74	18.32	11.19	2.28	11.58	48.42	65.79	1	17	25	3	1	4.23	PS			0.00	0.00		
k1104	0.35	52	22P	109.43	33.00	40.66	25.50	1.95	2.50	3.60	2.64	0.85	3.50	28.00	64.50	1	39	0	3	1	2.88	PS					0.00	0.00
k1108	9.79	56	31	17.63	5.50	12.46	9.00	16.38	24.50	0.00	0.74	0.00	0.50	33.50	39.50	2	52	0	3	1	4.19	PS					0.00	0.00
k1113	1.13	56	10	44.97	11.50	11.71	7.50	9.33	14.00	23.60	2.17	1.00	3.00	21.50	36.00	5	24	0	3	1	3.15	PS					0.00	0.00
pp708*	12.07	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					12.07	0.00
pp709*	3.16	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
	320.84																						**0.00**	**0.00**	**44.48**	**2,224.00**	**206.65**	**5,907.71**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0905	2010	65554	Construct Installation-Wide Roads, Paved					3.49	120.20
K0909	2010	65554	Construct Installation-Wide Roads, Paved					1.59	51.95
K0910	2010	65554	Construct Installation-Wide Roads, Paved					2.44	6.10
K0912	2010	65554	Construct Installation-Wide Roads, Paved					0.54	15.93
K0913	2010	65554	Construct Installation-Wide Roads, Paved					0.57	14.70
K0914	2010	65554	Construct Installation-Wide Roads, Paved			0.22	11.00		
K0917	2010	65554	Construct Installation-Wide Roads, Paved						
pp708*	2010	65554	Construct Installation-Wide Roads, Paved					1.14	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.22**	**11.00**	**9.77**	**208.88**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**44.26**	**2,213.00**
Future Potential Habitat	**196.88**	**5,698.83**
TOTAL	**241.14**	**7,911.83**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21S = Longleaf Pine Scrub Oak
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

*** Note:** No pine data provided for pine plantation stand less than 30 years old

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-93. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K11-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1035	5.12	40	31	50.23	14.00	31.93	21.00	7.60	13.00	25.14	2.35	0.81	2.50	34.00	50.50	6	22	7	3	2	0			5.12	174.08		
K1106	22.17	65	13	10.62	3.50	7.45	5.00	12.01	20.00	43.95	8.56	3.60	10.50	25.00	39.00	7	25	38	3	1	0					22.17	554.25
K1115	43.27	63	31	15.93	4.00	9.93	7.50	19.00	33.00	4.65	0.86	0.90	2.00	40.50	46.50	2	29	6	3	1	1	43.27	1,752.44				
K1117	40.92	80	26	9.74	2.00	6.14	4.50	22.72	39.00	18.08	7.37	1.65	6.50	43.50	52.00	2	24	24	3	1	1	40.92	1,780.02				
K1119	12.94	58	10	16.53	4.00	11.06	9.00	9.82	15.50	26.58	17.78	5.78	21.00	24.50	49.50	7	23	53	3	1	0					0.00	0.00
K1120	50.32	78	13	32.48	9.47	15.23	10.53	15.08	26.32	32.59	19.30	5.71	20.53	36.84	66.84	1	13	45	3	1	0	50.32	1,853.79				
K1121	67.40	78	21	17.06	5.00	11.72	9.00	16.04	26.00	12.29	6.32	2.16	7.50	35.00	47.50	1	29	23	3	1	0	67.40	2,359.00				
K1122	37.97	81	21	27.11	8.00	15.02	11.50	14.89	24.00	10.92	7.57	5.91	14.50	35.50	58.00	1	22	31	3	1	0	37.97	1,347.94				
K1125	9.34	89	21	27.36	8.00	13.22	10.00	5.39	7.50	14.31	3.26	1.29	4.00	17.50	29.50	2	36	20	3	1	0					9.34	163.45
K1127	0.03	79	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.03	0.00
pp109*	39.92	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					39.92	0.00
pp112*	2.03	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp710*	5.19	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.19	0.00
pp713*	0.57	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.57	0.00
	337.19																					**239.88**	**9,093.19**	**5.12**	**174.08**	**77.22**	**717.70**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1035	2010	65554	Construct Installation-Wide Roads, Paved			1.72	58.48		
K1122	2010	65554	Construct Installation-Wide Roads, Paved	0.55	19.53				
pp713*	2010	65554	Construct Installation-Wide Roads, Paved					0.31	0.00
			TOTAL REMOVALS	**0.55**	**19.53**	**1.72**	**58.48**	**0.31**	**0.00**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**239.33**	**9,073.66**
Potentially Suitable Habitat	**3.40**	**115.60**
Future Potential Habitat	**76.91**	**717.70**
TOTAL	**319.64**	**9,906.96**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-94. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K11-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1035	5.12	40	31	50.23	14.00	31.93	21.00	7.60	13.00	25.14	2.35	0.81	2.50	34.00	50.50	6	22	7	3	2	3.12	PS					5.12	174.08
K1106	22.17	65	13	10.62	3.50	7.45	5.00	12.01	20.00	43.95	8.56	3.60	10.50	25.00	39.00	7	25	38	3	1	3.53	PS					22.17	554.25
K1115	43.27	63	31	15.93	4.00	9.93	7.50	19.00	33.00	4.65	0.86	0.90	2.00	40.50	46.50	2	29	6	3	1	4.33	PS			43.27	1,752.44		
K1117	40.92	80	26	9.74	2.00	6.14	4.50	22.72	39.00	18.08	7.37	1.65	6.50	43.50	52.00	2	24	24	3	1	4.33	PS			40.92	1,780.02		
K1119	12.94	58	10	16.53	4.00	11.06	9.00	9.82	15.50	26.58	17.78	5.78	21.00	24.50	49.50	7	23	53	3	1	3.25	PS					0.00	0.00
K1120	50.32	78	13	32.48	9.47	15.23	10.53	15.08	26.32	32.59	19.30	5.71	20.53	36.84	66.84	1	13	45	3	1	4.00	PS					50.32	1,853.79
K1121	67.40	78	21	17.06	5.00	11.72	9.00	16.04	26.00	12.29	6.32	2.16	7.50	35.00	47.50	1	29	23	3	1	4.13	PS					67.40	2,359.00
K1122	37.97	81	21	27.11	8.00	15.02	11.50	14.89	24.00	10.92	7.57	5.91	14.50	35.50	58.00	1	22	31	3	1	4.10	PS					37.97	1,347.94
K1125	9.34	89	21	27.36	8.00	13.22	10.00	5.39	7.50	14.31	3.26	1.29	4.00	17.50	29.50	2	36	20	3	1	3.33	PS					9.34	163.45
K1127	0.03	79	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.31	PS					0.03	0.00
pp109*	39.92	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					39.92	0.00
pp112*	2.03	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp710*	5.19	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	NH					5.19	0.00
pp713*	0.57	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.57	0.00
	337.19																						**0.00**	**0.00**	**84.19**	**3,532.46**	**238.03**	**6,452.51**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1035	2010	65554	Construct Installation-Wide Roads, Paved					1.72	58.48
k1122	2010	65554	Construct Installation-Wide Roads, Paved					0.55	19.53
pp713*	2010	65554	Construct Installation-Wide Roads, Paved					0.31	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**2.58**	**78.01**

POST-PROJECT **2010**

	Acres	BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**84.19**	**3,532.46**
Future Potential Habitat	**235.45**	**6,374.50**
TOTAL	**319.64**	**9,906.96**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
ND = No data provided

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-95. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K11-03**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1035	2.16	41	31	50.23	14.00	31.93	21.00	7.60	13.00	25.14	2.35	0.81	2.50	34.00	50.50	6	22	7	3	2	0			2.16	73.44		
K1038	0.04	65	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	0					0.00	0.00
K1039	89.48	69	31	28.15	7.00	9.11	6.00	13.06	21.00	14.19	4.04	1.12	4.00	27.00	38.00	7	31	19	3	2	0					89.48	2,415.96
K1041	10.66	82	21U	15.68	4.00	9.75	6.50	2.00	3.00	13.72	0.90	0.00	0.50	9.50	14.00	4	21	7	3	2	0					10.66	101.27
k1122	40.17	82	21	27.11	8.00	15.02	11.50	14.89	24.00	10.92	7.57	5.91	14.50	35.50	58.00	1	22	31	3	1	0	40.17	1,426.04				
pp105*	11.49	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					11.49	0.00
	154.00																					**40.17**	**1,426.04**	**2.16**	**73.44**	**111.63**	**2,517.23**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1035	2010	65554	Construct Installation-Wide Roads, Paved			0.07	2.38		
K1039	2010	65554	Construct Installation-Wide Roads, Paved					2.61	70.47
K1041	2010	65554	Construct Installation-Wide Roads, Paved					1.28	12.16
k1122	2010	65554	Construct Installation-Wide Roads, Paved	2.55	90.53				
pp105*	2010	65554	Construct Installation-Wide Roads, Paved					1.88	0.00
			TOTAL REMOVALS	**2.55**	**90.53**	**0.07**	**2.38**	**5.77**	**82.63**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**37.62**	**1,335.51**
Potentially Suitable Habitat	**2.09**	**71.06**
Future Potential Habitat	**105.86**	**2,434.60**
TOTAL	**145.57**	**3,841.17**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21U = Longleaf Pine Underplanted
31 = Loblolly Pine
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-96. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K11-03**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1035	2.16	41	31	50.23	14.00	31.93	21.00	7.60	13.00	25.14	2.35	0.81	2.50	34.00	50.50	6	22	7	3	2	3.12	PS					2.16	73.44
K1038	0.04	65	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	2.46	PS					0.00	0.00
K1039	89.48	69	31	28.15	7.00	9.11	6.00	13.06	21.00	14.19	4.04	1.12	4.00	27.00	38.00	7	31	19	3	2	3.96	PS					89.48	2,415.96
K1041	10.66	82	21U	15.68	4.00	9.75	6.50	2.00	3.00	13.72	0.90	0.00	0.50	9.50	14.00	4	21	7	3	2	3.00	PS					10.66	101.27
k1122	40.17	82	21	27.11	8.00	15.02	11.50	14.89	24.00	10.92	7.57	5.91	14.50	35.50	58.00	1	22	31	3	1	4.10	PS					40.17	1,426.04
pp105*	11.49	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					11.49	0.00
	154.00																						**0.00**	**0.00**	**0.00**	**0.00**	**153.96**	**4,016.71**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1035	2010	65554	Construct Installation-Wide Roads, Paved					0.07	2.38
K1039	2010	65554	Construct Installation-Wide Roads, Paved					2.61	70.47
K1041	2010	65554	Construct Installation-Wide Roads, Paved					1.28	12.16
k1122	2010	65554	Construct Installation-Wide Roads, Paved					2.55	90.53
pp105*	2010	65554	Construct Installation-Wide Roads, Paved					1.88	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**8.39**	**175.54**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**145.57**	**3,841.17**
TOTAL	**145.57**	**3,841.17**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21U = Longleaf Pine Underplanted
31 = Loblolly Pine
ND = No data provided

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-97. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K14-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1210	2.40	42	22P	45.91	14.50	15.91	10.50	2.90	4.50	0.00	0.76	0.00	0.50	15.00	30.00	1	33	4	0	0	0					2.40	36.00
K1402	14.18	36	22U	6.75	2.00	6.33	4.50	6.67	10.50	2.17	0.69	0.30	1.00	15.00	18.00	1	42	7	3	1	0					14.18	212.70
K1403	39.25	79	26P	45.46	16.50	51.40	35.50	13.77	17.00	1.43	0.00	0.00	0.00	52.50	69.00	1	22	0	3	1	1	39.25	2,060.63				
K1404	4.64	55	26	9.51	2.50	6.16	5.00	6.73	9.50	3.04	2.20	0.68	2.50	14.50	19.50	1	33	18	3	1	0					4.64	67.28
K1405	31.58	79	21	20.41	5.00	4.99	4.00	9.05	14.50	8.57	0.00	0.00	0.00	18.50	23.50	1	30	0	3	1	0					31.58	584.23
K1406	43.69	79	32	33.13	8.50	17.51	13.00	8.01	12.50	1.93	3.76	0.28	3.00	25.50	37.00	1	29	14	3	1	0					43.69	1,114.10
K1410	26.77	55	26	18.95	5.50	34.57	25.00	10.64	14.00	0.00	0.00	0.00	0.00	39.00	44.50	1	44	0	3	1	0	26.77	1,044.03				
pp808*	49.38	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					49.38	0.00
	211.89																					**66.02**	**3,104.66**	**0.00**	**0.00**	**145.86**	**2,014.31**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1210	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.24	3.60
K1403	2010	65557	Repair/ Upgrade Existing Training Area Roads	2.82	148.05				
K1405	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.97	17.95
K1406	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.65	16.58
K1410	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.27	10.53				
			TOTAL REMOVALS	**3.09**	**158.58**	**0.00**	**0.00**	**1.86**	**38.13**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**62.93**	**2,946.08**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**144.00**	**1,976.18**
TOTAL	**206.94**	**4,922.26**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
22U = Slash Pine Underplatned
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
32 = Shortleaf Pine

* Note: No pine data collected for pine plantation stands less then 30 years old.

Table D-98. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K14-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1210	2.40	42	22P	45.91	14.50	15.91	10.50	2.90	4.50	0.00	0.76	0.00	0.50	15.00	30.00	1	33	4	0	0	2.28	NH					2.40	36.00
K1402	14.18	36	22U	6.75	2.00	6.33	4.50	6.67	10.50	2.17	0.69	0.30	1.00	15.00	18.00	1	42	7	3	1	1.89	PS					14.18	212.70
K1403	39.25	79	26P	45.46	16.50	51.40	35.50	13.77	17.00	1.43	0.00	0.00	0.00	52.50	69.00	1	22	0	3	1	2.31	PS					39.25	2,060.63
K1404	4.64	55	26	9.51	2.50	6.16	5.00	6.73	9.50	3.04	2.20	0.68	2.50	14.50	19.50	1	33	18	3	1	2.17	PS					4.64	67.28
K1405	31.58	79	21	20.41	5.00	4.99	4.00	9.05	14.50	8.57	0.00	0.00	0.00	18.50	23.50	1	30	0	3	1	2.31	PS					31.58	584.23
K1406	43.69	79	32	33.13	8.50	17.51	13.00	8.01	12.50	1.93	3.76	0.28	3.00	25.50	37.00	1	29	14	3	1	2.31	PS					43.69	1,114.10
K1410	26.77	55	26	18.95	5.50	34.57	25.00	10.64	14.00	0.00	0.00	0.00	0.00	39.00	44.50	1	44	0	3	1	2.17	PS					26.77	1,044.03
pp808*	49.38	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					49.38	0.00
	211.89																						**0.00**	**0.00**	**0.00**	**0.00**	**211.89**	**5,118.97**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1210	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.24	3.60
K1403	2010	65557	Repair/ Upgrade Existing Training Area Roads					2.82	148.05
K1405	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.97	17.95
K1406	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.65	16.58
K1410	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.27	10.53
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**4.95**	**196.71**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**206.94**	**4,922.26**
TOTAL	**206.94**	**4,922.26**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
22U = Slash Pine Underplatned
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
32 = Shortleaf Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data collected for pine plantation stands less then 30 years old.

Table D-99. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K17-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1712	70.67	44	21	31.13	8.50	17.19	13.50	21.40	31.00	0.00	0.00	0.00	0.00	44.50	53.00	1	30	0	3	1	1	70.67	3,144.82				
K1731	3.34	66	57**	14.27	4.50	2.81	2.00	8.30	12.00	43.89	7.74	1.75	7.50	14.00	26.00	5	12	46	3	1	0					0.00	0.00
K1732	47.71	59	21	21.15	7.00	27.15	20.00	28.72	42.00	2.73	0.97	0.36	1.00	62.00	70.00	1	30	2	3	1	1	47.71	2,958.02				
K1733	21.89	59	22P	31.22	9.50	17.02	12.50	10.06	16.00	52.13	11.85	2.83	12.00	28.50	50.00	1	13	35	3	1	0					21.89	623.87
pp332*	2.51	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.51	0.00
pp521*	17.43	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					17.43	0.00
pp606*	3.63	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.63	0.00
	167.18																					**118.38**	**6,102.84**	**0.00**	**0.00**	**45.47**	**623.87**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1712	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.90	40.05				
K1732	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.46	28.52				
K1733	2010	65557	Repair/ Upgrade Existing Training Area Roads					2.09	59.57
pp521*	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.08	0.00
pp606*	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.10	0.00
			TOTAL REMOVALS	**1.36**	**68.57**	**0.00**	**0.00**	**3.27**	**59.57**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**117.02**	**6,034.27**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**42.20**	**564.30**
TOTAL	**159.21**	**6,598.57**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
57** = Scrub Oak (managed for hardwoods)

*** Note:** No pine data was collected for pine plantation stands less than 30 years old.

Table D-100. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K17-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1712	70.67	44	21	31.13	8.50	17.19	13.50	21.40	31.00	0.00	0.00	0.00	0.00	44.50	53.00	1	30	0	3	1	4.13	PS					70.67	3,144.82
K1731	3.34	66	57**	14.27	4.50	2.81	2.00	8.30	12.00	43.89	7.74	1.75	7.50	14.00	26.00	5	12	46	3	1	3.06	PS					0.00	0.00
K1732	47.71	59	21	21.15	7.00	27.15	20.00	28.72	42.00	2.73	0.97	0.36	1.00	62.00	70.00	1	30	2	3	1	4.28	PS					47.71	2,958.02
K1733	21.89	59	22P	31.22	9.50	17.02	12.50	10.06	16.00	52.13	11.85	2.83	12.00	28.50	50.00	1	13	35	3	1	3.52	PS					21.89	623.87
pp332*	2.51	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.51	0.00
pp521*	17.43	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					17.43	0.00
pp606*	3.63	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.63	0.00
	167.18																						**0.00**	**0.00**	**0.00**	**0.00**	**163.84**	**6,726.71**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1712	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.90	40.05
K1732	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.46	28.52
K1733	2010	65557	Repair/ Upgrade Existing Training Area Roads					2.09	59.57
pp521*	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.08	0.00
pp606*	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.10	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**4.63**	**128.14**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**159.21**	**6,598.57**
TOTAL	**159.21**	**6,598.57**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
57** = Scrub Oak (managed for hardwoods)

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*** Note:** No pine data was collected for pine plantation stands less than 30 years old.

Table D-101. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K17-05R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1709	32.82	48	31	10.64	4.00	26.86	20.50	23.61	31.50	1.72	0.00	0.80	1.00	52.00	57.00	1	30	2	3	1	1	32.82	1,706.64				
K1712	111.28	44	21	31.13	8.50	17.19	13.50	21.40	31.00	0.00	0.00	0.00	0.00	44.50	53.00	1	30	0	3	1	1	111.28	4,951.96				
K1718	7.81	22	31S	0.00	0.00	7.86	4.29	4.53	7.14	15.08	3.13	0.00	2.86	11.43	14.29	5	16	20	3	1	0					7.81	89.27
pp332*	26.35	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					26.35	0.00
pp333*	24.81	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					24.81	0.00
pp334*	19.08	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					19.08	0.00
pp520*	8.11	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					8.11	0.00
pp606*	21.33	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					21.33	0.00
pp607*	22.88	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					22.88	0.00
	274.47																					**144.10**	**6,658.60**	**0.00**	**0.00**	**130.37**	**89.27**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1712	2010	65557	Repair Existing Training Area Roads	0.24	10.68				
pp606*	2010	65557	Repair Existing Training Area Roads					0.72	0.00
			TOTAL REMOVALS	**0.24**	**10.68**	**0.00**	**0.00**	**0.72**	**0.00**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**143.86**	**6,647.92**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**129.65**	**89.27**
TOTAL	**273.51**	**6,737.19**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine
31S = Loblolly Pine Scrub Oak

*** Note:** No pine data was collected for pine plantation stands less than 30 years old.

Table D-102. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K17-05R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1709	32.82	48	31	10.64	4.00	26.86	20.50	23.61	31.50	1.72	0.00	0.80	1.00	52.00	57.00	1	30	2	3	1	4.15	PS					32.82	1,706.64
K1712	111.28	44	21	31.13	8.50	17.19	13.50	21.40	31.00	0.00	0.00	0.00	0.00	44.50	53.00	1	30	0	3	1	4.13	PS					111.28	4,951.96
K1718	7.81	22	31S	0.00	0.00	7.86	4.29	4.53	7.14	15.08	3.13	0.00	2.86	11.43	14.29	5	16	20	3	1	2.22	NH					7.81	89.27
pp332*	26.35	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					26.35	0.00
pp333*	24.81	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					24.81	0.00
pp334*	19.08	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					19.08	0.00
pp520*	8.11	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					8.11	0.00
pp606*	21.33	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					21.33	0.00
pp607	22.88	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					22.88	0.00
	274.47																						**0.00**	**0.00**	**0.00**	**0.00**	**274.47**	**6,747.87**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1712	2010	65557	Repair Existing Training Area Roads					0.24	10.68
pp606*	2010	65557	Repair Existing Training Area Roads					0.72	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**0.96**	**10.68**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**273.51**	**6,737.19**
TOTAL	**273.51**	**6,737.19**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine
31S = Loblolly Pine Scrub Oak

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*** Note:** No pine data was collected for pine plantation stands less than 30 years old.

Table D-103. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K18-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1807	1.95	68	31	6.23	2.00	10.32	8.00	23.62	35.50	3.13	0.00	1.14	2.00	43.50	47.50	1	27	3	3	1	1	1.95	84.83				
K1810	10.58	77	21	14.72	3.50	8.91	6.00	13.90	21.00	4.74	0.00	1.20	2.00	27.00	32.50	1	40	5	3	1	0					10.58	285.66
K1811	75.06	77	21	6.76	2.11	19.07	12.63	6.62	8.95	4.11	2.49	1.40	3.68	21.58	27.37	1	35	13	3	1	0					75.06	1,619.79
K1905	21.54	45	42**	6.10	2.00	9.56	7.50	18.27	31.50	32.80	23.87	7.10	27.00	39.00	68.00	5	7	53	3	1	0					0.00	0.00
K1906	20.40	45	13	5.53	2.14	11.86	9.29	26.98	57.14	53.64	17.12	9.93	25.71	66.43	94.29	7	0	41	3	1	0			20.40	1,355.17		
K1908	7.22	61	31	11.32	2.86	8.53	7.14	27.83	40.00	0.00	0.00	0.00	0.00	47.14	50.00	1	30	0	3	1	1	7.22	340.35				
K1909	112.54	80	21	10.41	3.50	12.92	10.50	27.50	39.50	16.94	3.23	1.43	4.00	50.00	57.50	1	19	10	3	1	1	112.54	5,627.00				
K1911	4.42	75	25	8.45	1.76	15.72	12.94	18.28	28.82	9.76	6.07	1.91	7.06	41.76	50.59	6	14	19	3	1	0			4.42	184.58		
pp608*	14.75	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					14.75	0.00
	268.46																					**121.71**	**6,052.18**	**24.82**	**1,539.75**	**100.39**	**1,905.45**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1807	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.25	10.88				
K1810	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.10	2.70
K1811	2010	65557	Repair/ Upgrade Existing Training Area Roads					3.30	71.21
K1908	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.83	39.13				
K1909	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.90	95.00				
K1911	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.42	17.54		
pp608*	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.14	0.00
			TOTAL REMOVALS	**2.98**	**145.00**	**0.42**	**17.54**	**3.54**	**73.91**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**118.73**	**5,907.18**
Potentially Suitable Habitat	**24.40**	**1,522.21**
Future Potential Habitat	**96.85**	**1,831.54**
TOTAL	**239.98**	**9,260.92**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
42**= Upland Hardwood-Yellow Pine (managed for hardwoods)

Stand Score
0=Unsuitable
1=Suitable

*** Note:** No data was collected for pine plantation stands less then 30 years old.

Table D-104. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K18-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1807	1.95	68	31	6.23	2.00	10.32	8.00	23.62	35.50	3.13	0.00	1.14	2.00	43.50	47.50	1	27	3	3	1	4.33	PS			1.95	84.83		
K1810	10.58	77	21	14.72	3.50	8.91	6.00	13.90	21.00	4.74	0.00	1.20	2.00	27.00	32.50	1	40	5	3	1	4.28	PS					10.58	285.66
K1811	75.06	77	21	6.76	2.11	19.07	12.63	6.62	8.95	4.11	2.49	1.40	3.68	21.58	27.37	1	35	13	3	1	3.41	PS					75.06	1,619.79
K1905	21.54	45	42**	6.10	2.00	9.56	7.50	18.27	31.50	32.80	23.87	7.10	27.00	39.00	68.00	5	7	53	3	1	3.57	PS					0.00	0.00
K1906	20.40	45	13	5.53	2.14	11.86	9.29	26.98	57.14	53.64	17.12	9.93	25.71	66.43	94.29	7	0	41	3	1	3.51	PS					20.40	1,355.17
K1908	7.22	61	31	11.32	2.86	8.53	7.14	27.83	40.00	0.00	0.00	0.00	0.00	47.14	50.00	1	30	0	3	1	4.43	PS			7.22	340.35		
K1909	112.54	80	21	10.41	3.50	12.92	10.50	27.50	39.50	16.94	3.23	1.43	4.00	50.00	57.50	1	19	10	3	1	4.23	PS			112.54	5,627.00		
K1911	4.42	75	25	8.45	1.76	15.72	12.94	18.28	28.82	9.76	6.07	1.91	7.06	41.76	50.59	6	14	19	3	1	4.00	PS			4.42	184.58		
pp608*	14.75	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					14.75	0.00
	268.46																						**0.00**	**0.00**	**126.13**	**6,236.76**	**120.79**	**3,260.62**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1807	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.25	10.88		
K1810	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.10	2.70
K1811	2010	65557	Repair/ Upgrade Existing Training Area Roads					3.30	71.21
K1908	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.83	39.13		
K1909	2010	65557	Repair/ Upgrade Existing Training Area Roads			1.90	95.00		
K1911	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.42	17.54		
pp608*	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.14	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**3.40**	**162.55**	**3.54**	**73.91**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**122.73**	**6,074.21**
Future Potential Habitat	**117.25**	**3,186.71**
TOTAL	**239.98**	**9,260.92**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

*** Note:** No data was collected for pine plantation stands less then 30 years old.

Table D-105. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K18-02R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1802	23.22	52	26	38.09	12.50	24.96	17.00	5.05	7.00	6.74	2.54	0.00	1.50	24.00	38.00	5	17	8	3	1	0					0.00	0.00
K1803	4.15	56	31	22.67	7.00	20.70	15.00	17.25	26.00	16.73	3.66	0.00	2.50	41.00	50.50	7	28	9	3	1	0			4.15	170.15		
K1804	8.66	42	42**	13.35	3.50	12.98	9.00	6.77	12.00	19.59	7.19	3.39	10.00	21.00	34.50	5	29	35	3	1	0					0.00	0.00
K1806	67.29	47	26	12.52	3.68	18.37	12.63	15.31	21.05	8.14	5.08	0.98	5.26	33.68	42.63	1	23	15	3	1	0	67.29	2,266.33				
K1807	70.86	68	31	6.23	2.00	10.32	8.00	23.62	35.50	3.13	0.00	1.14	2.00	43.50	47.50	1	27	3	3	1	1	70.86	3,082.41				
K1808	57.02	47	26	49.23	15.50	34.42	23.50	9.15	12.00	6.89	4.76	0.78	5.00	35.50	56.00	1	35	11	3	1	0	0.00	0.00				
K1810	35.18	77	21	14.72	3.50	8.91	6.00	13.90	21.00	4.74	0.00	1.20	2.00	27.00	32.50	1	40	5	3	1	0					35.18	949.86
K1811	2.95	77	21	6.76	2.11	19.07	12.63	6.62	8.95	4.11	2.49	1.40	3.68	21.58	27.37	1	35	13	3	1	0					2.95	63.66
K1902	12.54	107	31	22.29	6.00	13.76	10.00	15.81	29.50	18.22	10.70	5.95	16.50	39.50	62.00	5	14	36	3	1	0			12.54	495.33		
K1908	0.18	61	31	11.32	2.86	8.53	7.14	27.83	40.00	0.00	0.00	0.00	0.00	47.14	50.00	1	30	0	3	1	1	0.18	8.49				
pp608*	7.53	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					7.53	0.00
	289.58																					**138.32**	**5,357.23**	**16.69**	**665.48**	**45.67**	**1,013.52**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1806	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.58	19.53				
K1807	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.28	55.68				
K1902	2010	65557	Repair/ Upgrade Existing Training Area Roads			1.22	48.19		
K1908	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.08	3.77				
			TOTAL REMOVALS	**1.94**	**78.98**	**1.22**	**48.19**	**0.00**	**0.00**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**136.38**	**5,278.25**
Potentially Suitable Habitat	**15.47**	**617.29**
Future Potential Habitat	**45.67**	**1,013.52**
TOTAL	**197.52**	**6,909.06**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

*** Note:** No data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-106. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K18-02R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1802	23.22	52	26	38.09	12.50	24.96	17.00	5.05	7.00	6.74	2.54	0.00	1.50	24.00	38.00	5	17	8	3	1	2.77	PS					0.00	0.00
K1803	4.15	56	31	22.67	7.00	20.70	15.00	17.25	26.00	16.73	3.66	0.00	2.50	41.00	50.50	7	28	9	3	1	3.69	PS					4.15	170.15
K1804	8.66	42	42**	13.35	3.50	12.98	9.00	6.77	12.00	19.59	7.19	3.39	10.00	21.00	34.50	5	29	35	3	1	2.94	PS					0.00	0.00
K1806	67.29	47	26	12.52	3.68	18.37	12.63	15.31	21.05	8.14	5.08	0.98	5.26	33.68	42.63	1	23	15	3	1	3.85	PS					67.29	2,266.33
K1807	70.86	68	31	6.23	2.00	10.32	8.00	23.62	35.50	3.13	0.00	1.14	2.00	43.50	47.50	1	27	3	3	1	4.33	PS			70.86	3,082.41		
K1808	57.02	47	26	49.23	15.50	34.42	23.50	9.15	12.00	6.89	4.76	0.78	5.00	35.50	56.00	1	35	11	3	1	3.44	PS					0.00	0.00
K1810	35.18	77	21	14.72	3.50	8.91	6.00	13.90	21.00	4.74	0.00	1.20	2.00	27.00	32.50	1	40	5	3	1	4.28	PS					35.18	949.86
K1811	2.95	77	21	6.76	2.11	19.07	12.63	6.62	8.95	4.11	2.49	1.40	3.68	21.58	27.37	1	35	13	3	1	3.41	PS					2.95	63.66
K1902	12.54	107	31	22.29	6.00	13.76	10.00	15.81	29.50	18.22	10.70	5.95	16.50	39.50	62.00	5	14	36	3	1	3.79	PS					12.54	495.33
K1908	0.18	61	31	11.32	2.86	8.53	7.14	27.83	40.00	0.00	0.00	0.00	0.00	47.14	50.00	1	30	0	3	1	4.43	PS			0.18	8.49		
pp608*	7.53	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					7.53	0.00
	289.58																						**0.00**	**0.00**	**71.04**	**3,090.90**	**129.64**	**3,945.33**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1806	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.58	19.53
K1807	2010	65557	Repair/ Upgrade Existing Training Area Roads			1.28	55.68		
K1902	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.22	48.19
K1908	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.08	3.77		
			TOTAL REMOVALS	**0.00**	**0.00**	**1.36**	**59.45**	**1.80**	**67.72**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**69.68**	**3,031.45**
Future Potential Habitat	**127.84**	**3,877.61**
TOTAL	**197.52**	**6,909.06**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

*** Note:** No data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-107. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K18-03R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1821	0.12	41	21	52.71	11.00	11.46	8.50	2.35	3.00	6.11	5.42	3.23	8.00	11.50	30.50	1	25	39	3	1	0					0.12	1.38
K1822	89.40	59	31	35.69	8.50	18.08	12.50	5.47	8.50	0.00	0.54	1.81	3.00	21.00	32.50	1	22	9	3	1	0					89.40	1,877.40
K1823	44.46	69	31	38.49	10.00	11.51	7.50	9.46	18.00	2.48	2.61	1.06	4.00	25.50	39.50	1	24	15	3	1	0					44.46	1,133.73
K1826	33.04	78	26	7.67	2.00	6.33	5.00	10.20	17.50	0.00	0.00	0.97	2.50	22.50	27.00	2	10	6	3	1	0					33.04	743.40
K1913	0.01	81	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.01	0.00
K2001	19.05	96	26	7.90	2.50	14.71	11.00	18.86	29.50	2.31	1.29	1.55	4.00	40.50	47.00	8	35	8	3	1	0			19.05	771.53		
K2005	19.46	81	26	22.04	6.50	4.56	3.50	11.69	17.50	3.53	2.91	5.61	12.00	21.00	39.50	1	23	34	3	1	0					0.00	0.00
K2112	27.94	85	31	7.28	2.11	3.54	2.11	19.44	31.58	11.38	2.10	2.14	5.26	33.68	41.05	2	9	16	3	1	0	0.00	0.00				
K2114	2.55	71	21	3.47	1.00	13.57	10.50	20.06	31.50	1.47	0.00	0.18	0.50	42.00	43.50	1	29	1	3	1	1	0.00	0.00				
K2118	2.03	49	21	10.64	3.50	11.66	8.50	9.29	13.50	7.57	2.96	3.10	6.50	22.00	32.00	2	22	22	3	1	0					0.00	0.00
	238.06																					**0.00**	**0.00**	**19.05**	**771.53**	**167.03**	**3,755.91**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1822	2010	65557	Repair Existing Training Area Roads					1.09	22.89
K1823	2010	65557	Repair Existing Training Area Roads					0.08	2.04
K1826	2010	65557	Repair Existing Training Area Roads					0.72	16.20
K1913	2010	65557	Repair Existing Training Area Roads					0.01	0.00
K2001	2010	65557	Repair Existing Training Area Roads			1.72	69.66		
			TOTAL REMOVALS	**0.00**	**0.00**	**1.72**	**69.66**	**1.90**	**41.13**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**17.33**	**701.87**
Future Potential Habitat	**165.13**	**3,714.78**
TOTAL	**182.46**	**4,416.65**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
ND = No data provided

Stand Score
0=Unsuitable
1=Suitable

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-108. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K18-03R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1821	0.12	41	21	52.71	11.00	11.46	8.50	2.35	3.00	6.11	5.42	3.23	8.00	11.50	30.50	1	25	39	3	1	2.61	PS					0.12	1.38
K1822	89.40	59	31	35.69	8.50	18.08	12.50	5.47	8.50	0.00	0.54	1.81	3.00	21.00	32.50	1	22	9	3	1	3.13	PS					89.40	1,877.40
K1823	44.46	69	31	38.49	10.00	11.51	7.50	9.46	18.00	2.48	2.61	1.06	4.00	25.50	39.50	1	24	15	3	1	3.67	PS					44.46	1,133.73
K1826	33.04	78	26	7.67	2.00	6.33	5.00	10.20	17.50	0.00	0.00	0.97	2.50	22.50	27.00	2	10	6	3	1	3.53	PS					33.04	743.40
K1913	0.01	81	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.31	PS					0.01	0.00
K2001	19.05	96	26	7.90	2.50	14.71	11.00	18.86	29.50	2.31	1.29	1.55	4.00	40.50	47.00	8	35	8	3	1	2.31	PS			19.05	771.53		
K2005	19.46	81	26	22.04	6.50	4.56	3.50	11.69	17.50	3.53	2.91	5.61	12.00	21.00	39.50	1	23	34	3	1	2.31	PS					0.00	0.00
K2112	27.94	85	31	7.28	2.11	3.54	2.11	19.44	31.58	11.38	2.10	2.14	5.26	33.68	41.05	2	9	16	3	1	4.08	PS					0.00	0.00
K2114	2.55	71	21	3.47	1.00	13.57	10.50	20.06	31.50	1.47	0.00	0.18	0.50	42.00	43.50	1	29	1	3	1	4.33	PS			0.00	0.00		
K2118	2.03	49	21	10.64	3.50	11.66	8.50	9.29	13.50	7.57	2.96	3.10	6.50	22.00	32.00	2	22	22	3	1	3.32	PS					0.00	0.00
	238.06																						**0.00**	**0.00**	**19.05**	**771.53**	**167.03**	**3,755.91**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1822	2010	65557	Repair Existing Training Area Roads					1.09	22.89
K1823	2010	65557	Repair Existing Training Area Roads					0.08	2.04
K1826	2010	65557	Repair Existing Training Area Roads					0.72	16.20
K1913	2010	65557	Repair Existing Training Area Roads					0.01	0.00
K2001	2010	65557	Repair Existing Training Area Roads			1.72	69.66		
			TOTAL REMOVALS	**0.00**	**0.00**	**1.72**	**69.66**	**1.90**	**41.13**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**17.33**	**701.87**
Future Potential Habitat	**165.13**	**3,714.78**
TOTAL	**182.46**	**4,416.65**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
ND = No data provided

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-109. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K21-02R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1819	76.50	41	31	19.17	6.00	12.52	9.00	7.99	10.00	10.92	0.85	0.50	1.00	19.00	26.00	1	37	6	3	1	0					0.00	0.00
K1820	6.73	50	21	36.36	12.00	31.91	22.00	6.83	9.50	4.51	0.00	0.00	0.00	31.50	43.50	1	29	0	3	1	0	0.00	0.00				
K2102	97.16	62	21	24.21	5.79	18.01	13.16	17.01	25.79	13.37	6.43	2.47	7.89	38.95	52.63	1	12	20	3	1	0	97.16	3,784.38				
K2103	51.25	86	21	17.50	4.50	13.19	10.00	25.81	41.50	0.00	0.00	0.72	2.00	51.50	58.00	1	30	2	3	1	1	51.25	2,639.38				
K2104	25.19	51	31	21.32	6.00	18.25	14.00	19.08	27.00	0.00	0.00	0.00	0.00	41.00	47.00	2	45	0	3	1	1	25.19	1,032.79				
K2106	20.72	57	21	7.08	1.67	18.46	14.44	16.16	25.56	5.48	0.00	0.73	1.11	40.00	42.78	2	36	2	3	1	1	20.72	828.80				
K2214	0.01	39	31	65.42	17.50	34.64	23.50	10.13	14.00	17.30	3.80	1.37	4.50	37.50	59.50	1	23	10	3	1	0	0.00	0.00				
K2219	33.15	64	21	22.33	5.88	11.11	8.24	9.77	15.29	4.95	0.94	0.55	1.76	23.53	31.18	1	15	7	3	1	0					33.15	780.02
	310.71																					**194.32**	**8,285.35**	**0.00**	**0.00**	**33.15**	**780.02**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K2102	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	6.58	256.29				
K2104	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	3.69	151.29				
K2219	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					4.27	100.47
			TOTAL REMOVALS	**10.27**	**407.58**	**0.00**	**0.00**	**4.27**	**100.47**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**184.05**	**7,877.77**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**28.88**	**679.55**
SUB-TOTAL	**212.93**	**8,557.32**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
31 = Loblolly Pine

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-110. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K21-02R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1819	76.50	41	31	19.17	6.00	12.52	9.00	7.99	10.00	10.92	0.85	0.50	1.00	19.00	26.00	1	37	6	3	1	3.22	PS					0.00	0.00
K1820	6.73	50	21	36.36	12.00	31.91	22.00	6.83	9.50	4.51	0.00	0.00	0.00	31.50	43.50	1	29	0	3	1	3.15	PS					0.00	0.00
K2102	97.16	62	21	24.21	5.79	18.01	13.16	17.01	25.79	13.37	6.43	2.47	7.89	38.95	52.63	1	12	20	3	1	4.01	PS					97.16	3,784.38
K2103	51.25	86	21	17.50	4.50	13.19	10.00	25.81	41.50	0.00	0.00	0.72	2.00	51.50	58.00	1	30	2	3	1	4.33	PS			51.25	2,639.38		
K2104	25.19	51	31	21.32	6.00	18.25	14.00	19.08	27.00	0.00	0.00	0.00	0.00	41.00	47.00	2	45	0	3	1	4.38	PS					25.19	1,032.79
K2106	20.72	57	21	7.08	1.67	18.46	14.44	16.16	25.56	5.48	0.00	0.73	1.11	40.00	42.78	2	36	2	3	1	4.14	PS					20.72	828.80
K2214	0.01	39	31	65.42	17.50	34.64	23.50	10.13	14.00	17.30	3.80	1.37	4.50	37.50	59.50	1	23	10	3	1	3.18	PS					0.00	0.00
K2219	33.15	64	21	22.33	5.88	11.11	8.24	9.77	15.29	4.95	0.94	0.55	1.76	23.53	31.18	1	15	7	3	1	3.62	PS					33.15	780.02
	310.71																						**0.00**	**0.00**	**51.25**	**2,639.38**	**176.22**	**6,425.99**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K2102	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					6.58	256.29
K2104	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.69	151.29
K2219	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					4.27	100.47
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**14.54**	**508.05**

POST-PROJECT

	2009	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**51.25**	**2,639.38**
Future Potential Habitat	**161.68**	**5,917.94**
SUB-TOTAL	**212.93**	**8,557.32**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-111. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **L02-02R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
L0104	12.86	60	31	48.50	12.78	33.02	22.22	13.87	20.00	15.08	0.65	1.97	2.78	42.22	57.78	1	34	5	3	1	1	12.86	542.95				
L0118	19.45	52	22P	167.71	48.00	22.20	14.00	0.42	0.50	3.61	2.55	0.86	3.00	14.50	65.50	1	19	13	3	1	0					19.45	282.03
L0120	2.78	39	31	53.26	16.00	24.71	17.00	6.89	10.00	21.52	5.71	2.35	7.00	27.00	50.00	2	17	20	3	1	0					2.78	75.06
L0201	9.23	86	31	59.50	20.00	18.22	13.33	6.47	16.67	7.86	0.00	1.34	2.22	30.00	52.22	8	28	5	3	1	0			9.23	276.90		
L0202	4.86	86	21	34.08	7.50	17.25	12.50	29.31	50.00	0.00	0.00	2.09	2.50	62.50	72.50	1	15	4	3	1	1	4.86	303.75				
L0203	7.39	86	31	45.22	11.43	27.69	20.00	13.87	18.57	0.00	0.00	0.00	0.00	38.57	50.00	1	34	0	3	1	0	7.39	285.03				
L0204	94.19	86	21	7.01	2.35	9.13	7.06	19.00	30.59	4.06	1.74	2.31	5.88	37.65	45.88	1	21	13	3	1	0	94.19	3,546.25				
L0205	25.06	86	31	31.93	10.00	12.40	8.46	6.35	10.77	15.21	5.68	0.72	4.62	19.23	33.85	8	18	25	3	1	0					25.06	481.90
L0208	0.69	44	13	17.08	6.67	14.08	10.00	3.26	3.33	37.54	4.46	0.00	3.33	13.33	23.33	5	10	20	3	1	0					0.69	9.20
L0305	12.02	43	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	0					12.02	336.56
L0305	2.26	43	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	0					0.00	0.00
L0310	14.95	82	31	7.16	2.50	17.35	13.13	20.94	38.75	7.98	6.70	1.66	6.88	51.88	61.25	8	26	18	3	1	0			0.00	0.00		
L0312	1.78	60	42**	16.14	4.50	7.35	5.50	9.49	20.00	19.77	10.59	5.89	18.00	25.50	48.00	7	22	49	3	1	0					0.00	0.00
L0315	21.52	82	13	16.01	5.00	5.42	3.89	10.99	19.44	9.97	9.00	8.39	17.22	23.33	45.56	2	21	51	3	1	0					0.00	0.00
L0401	0.35	44	31S	59.75	15.00	22.36	15.00	5.53	7.50	16.51	0.00	0.00	0.00	22.50	37.50	1	20	0	3	1	0					0.35	7.88
O1237	2.03	49	31	16.19	4.50	8.36	6.00	10.79	17.50	5.76	1.59	0.30	1.50	23.50	29.50	1	28	9	3	1	0					2.03	47.71
O1339	5.94	49	31	25.03	6.67	10.56	7.22	9.15	14.44	6.91	0.72	1.56	3.33	21.67	31.67	1	36	10	3	1	0					5.94	128.72
pp104*	6.82	7	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp690*	1.27	4	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.27	0.00
	245.45																					**119.30**	**4,677.98**	**9.23**	**276.90**	**69.59**	**1,369.06**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
L0104	2009	64797	Drivers Training Course	0.04	1.69				
L0201	2009	64797	Drivers Training Course			5.87	176.10		
L0202	2009	64797	Drivers Training Course	3.55	221.88				
L0203	2009	64797	Drivers Training Course	7.09	273.46				
L0204	2009	64797	Drivers Training Course	92.60	3,486.39				
L0205	2009	64797	Drivers Training Course					24.90	478.83
L0208	2009	64797	Drivers Training Course					0.69	9.20
L0401	2009	64797	Drivers Training Course					0.35	7.88
pp690*	2009	64797	Drivers Training Course					1.27	0.00
			TOTAL REMOVALS	**103.28**	**3,983.42**	**5.87**	**176.10**	**27.21**	**495.91**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**16.02**	**694.56**
Potentially Suitable Habitat	**3.36**	**100.80**
Future Potential Habitat	**42.38**	**873.15**
SUB-TOTAL	**61.76**	**1,668.51**
non-contiguous habitat	**-4.75**	**-179.20**
TOTAL	**57.01**	**1,489.31**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
22P = Slash Pine Plantation
31 = Loblolly Pine
31S = Loblolly Pine Scrub Oak
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stands L0120, L0202, L0204 and L0205 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-112. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **L02-02R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
L0104	12.86	60	31	48.50	12.78	33.02	22.22	13.87	20.00	15.08	0.65	1.97	2.78	42.22	57.78	1	34	5	3	1	3.65	PS					12.86	542.95
L0118	19.45	52	22P	167.71	48.00	22.20	14.00	0.42	0.50	3.61	2.55	0.86	3.00	14.50	65.50	1	19	13	3	1	2.57	PS					19.45	282.03
L0120	2.78	39	31	53.26	16.00	24.71	17.00	6.89	10.00	21.52	5.71	2.35	7.00	27.00	50.00	2	17	20	3	1	2.88	PS					2.78	75.06
L0201	9.23	86	31	59.50	20.00	18.22	13.33	6.47	16.67	7.86	0.00	1.34	2.22	30.00	52.22	8	28	5	3	1	3.19	PS					9.23	276.90
L0202	4.86	86	21	34.08	7.50	17.25	12.50	29.31	50.00	0.00	0.00	2.09	2.50	62.50	72.50	1	15	4	3	1	4.19	PS			4.86	303.75		
L0203	7.39	86	31	45.22	11.43	27.69	20.00	13.87	18.57	0.00	0.00	0.00	0.00	38.57	50.00	1	34	0	3	1	4.01	PS					7.39	285.03
L0204	94.19	86	21	7.01	2.35	9.13	7.06	19.00	30.59	4.06	1.74	2.31	5.88	37.65	45.88	1	21	13	3	1	4.28	PS					94.19	3,546.25
L0205	25.06	86	31	31.93	10.00	12.40	8.46	6.35	10.77	15.21	5.68	0.72	4.62	19.23	33.85	8	18	25	3	1	2.90	PS					25.06	481.90
L0208	0.69	44	13	17.08	6.67	14.08	10.00	3.26	3.33	37.54	4.46	0.00	3.33	13.33	23.33	5	10	20	3	1	2.36	PS					0.69	9.20
L0305	12.02	43	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	2.70	PS					12.02	336.56
L0305	2.26	43	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	2.70	PS					0.00	0.00
L0310	14.95	82	31	7.16	2.50	17.35	13.13	20.94	38.75	7.98	6.70	1.66	6.88	51.88	61.25	8	26	18	3	1	3.99	PS			0.00	0.00		
L0312	1.78	60	42**	16.14	4.50	7.35	5.50	9.49	20.00	19.77	10.59	5.89	18.00	25.50	48.00	7	22	49	3	1	3.53	PS					0.00	0.00
L0315	21.52	82	13	16.01	5.00	5.42	3.89	10.99	19.44	9.97	9.00	8.39	17.22	23.33	45.56	2	21	51	3	1	3.74	PS					0.00	0.00
L0401	0.35	44	31S	59.75	15.00	22.36	15.00	5.53	7.50	16.51	0.00	0.00	0.00	22.50	37.50	1	20	0	3	1	2.95	PS					0.35	7.88
O1237	2.03	49	31	16.19	4.50	8.36	6.00	10.79	17.50	5.76	1.59	0.30	1.50	23.50	29.50	1	28	9	3	1	3.46	PS					2.03	47.71
O1339	5.94	49	31	25.03	6.67	10.56	7.22	9.15	14.44	6.91	0.72	1.56	3.33	21.67	31.67	1	36	10	3	1	3.41	PS					5.94	128.72
pp104*	6.82	7	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	PS					0.00	0.00
pp690*	1.27	4	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.27	0.00
	245.45																						**0.00**	**0.00**	**4.86**	**303.75**	**193.26**	**6,020.19**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
L0104	2009	64797	Drivers Training Course					0.04	1.69
L0201	2009	64797	Drivers Training Course					5.87	176.10
L0202	2009	64797	Drivers Training Course			3.55	221.88		
L0203	2009	64797	Drivers Training Course					7.09	273.46
L0204	2009	64797	Drivers Training Course					92.60	3,486.39
L0205	2009	64797	Drivers Training Course					24.90	478.83
L0208	2009	64797	Drivers Training Course					0.69	9.20
L0401	2009	64797	Drivers Training Course					0.35	7.88
pp690*	2009	64797	Drivers Training Course					1.27	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**3.55**	**221.88**	**132.81**	**4,433.55**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**1.31**	**81.87**
Future Potential Habitat	**60.45**	**1,586.64**
SUB-TOTAL	**61.76**	**1,668.51**
non-contiguous habitat	**-4.75**	**-179.20**
TOTAL	**57.01**	**1,489.31**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
22P = Slash Pine Plantation
31 = Loblolly Pine
31S = Loblolly Pine Scrub Oak
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

* Note: No pine data collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stands L0120, L0202, L0204 and L0205 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-113. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **L03-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
L0303	10.86	82	31	14.82	4.50	12.23	9.00	13.81	21.00	1.77	2.02	1.78	3.50	30.00	38.00	1	40	13	3	1	0	10.86	325.80				
L0305	13.35	42	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	0					13.35	373.80
L0307	27.28	82	31U	0.00	0.00	0.00	0.00	23.94	54.00	0.00	0.00	1.42	4.00	54.00	58.00	1	39	6	3	1	1	27.28	1,473.12				
L0310	4.62	81	31	7.16	2.50	17.35	13.13	20.94	38.75	7.98	6.70	1.66	6.88	51.88	61.25	8	26	18	3	1	0			4.62	239.69		
L0312	54.18	59	42**	16.14	4.50	7.35	5.50	9.49	20.00	19.77	10.59	5.89	18.00	25.50	48.00	7	22	49	3	1	0					0.00	0.00
O1237	4.23	48	31	16.19	4.50	8.36	6.00	10.79	17.50	5.76	1.59	0.30	1.50	23.50	29.50	1	28	9	3	1	0					4.23	99.41
O1238	2.73	93	31	47.23	10.00	37.04	28.33	14.80	20.00	0.00	0.00	3.78	6.67	48.33	65.00	3	25	7	3	1	1	2.73	131.94				
O1241	4.31	93	31	76.43	17.50	39.44	27.50	7.32	10.00	22.52	12.70	2.44	10.00	37.50	65.00	7	20	24	3	1	0			4.31	161.63		
pp236*	5.22	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.22	0.00
pp624*	0.71	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.71	0.00
	127.49																					**40.87**	**1,930.86**	**8.93**	**401.32**	**23.51**	**473.21**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1237	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.85	43.48
O1238	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.10	4.83				
O1241	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.07	2.63		
			TOTAL REMOVALS	**0.10**	**4.83**	**0.07**	**2.63**	**1.85**	**43.48**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**40.77**	**1,926.03**
Potentially Suitable Habitat	**8.86**	**398.69**
Future Potential Habitat	**21.66**	**429.74**
TOTAL	**71.29**	**2,754.45**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21P = Longleaf Pine Plantation
31 = Loblolly Pine
31U = Loblolly Pine Underplanted
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation less than 30 years old.

Table D-114. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **L03-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
L0303	10.86	82	31	14.82	4.50	12.23	9.00	13.81	21.00	1.77	2.02	1.78	3.50	30.00	38.00	1	40	13	3	1	2.31	PS					10.86	325.80
L0305	13.35	42	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	2.70	PS					13.35	373.80
L0307	27.28	82	31U	0.00	0.00	0.00	0.00	23.94	54.00	0.00	0.00	1.42	4.00	54.00	58.00	1	39	6	3	1	2.31	PS			27.28	1,473.12		
L0310	4.62	81	31	7.16	2.50	17.35	13.13	20.94	38.75	7.98	6.70	1.66	6.88	51.88	61.25	8	26	18	3	1	3.99	PS			4.62	239.69		
L0312	54.18	59	42**	16.14	4.50	7.35	5.50	9.49	20.00	19.77	10.59	5.89	18.00	25.50	48.00	7	22	49	3	1	3.39	PS					0.00	0.00
O1237	4.23	48	31	16.19	4.50	8.36	6.00	10.79	17.50	5.76	1.59	0.30	1.50	23.50	29.50	1	28	9	3	1	3.46	PS					4.23	99.41
O1238	2.73	93	31	47.23	10.00	37.04	28.33	14.80	20.00	0.00	0.00	3.78	6.67	48.33	65.00	3	25	7	3	1	2.31	PS					2.73	131.94
O1241	4.31	93	31	76.43	17.50	39.44	27.50	7.32	10.00	22.52	12.70	2.44	10.00	37.50	65.00	7	20	24	3	1	2.31	PS					4.31	161.63
pp236*	5.22	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					5.22	0.00
pp624*	0.71	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.71	0.00
	127.49																						**0.00**	**0.00**	**31.90**	**1,712.81**	**41.41**	**1,092.58**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1237	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.85	43.48
O1238	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.10	4.83
O1241	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.07	2.63
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**2.02**	**50.94**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**31.90**	**1,712.81**
Future Potential Habitat	**39.39**	**1,041.64**
TOTAL	**71.29**	**2,754.45**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
21P = Longleaf Pine Plantation
31 = Loblolly Pine
31U = Loblolly Pine Underplanted
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

* Note: No pine data was collected for pine plantation less than 30 years old.

Table D-115. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **M08-04R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0629	7.36	64	31	32.94	10.00	20.88	14.50	12.29	18.00	9.51	4.26	1.59	5.00	32.50	47.50	2	21	15	0	0	0	7.36	239.20				
M0637	20.92	60	21	29.26	7.50	11.40	8.50	10.74	17.50	13.95	3.14	2.64	6.00	26.00	39.50	2	23	21	0	0	0					20.92	543.92
M0839	2.51	53	31	32.38	11.00	28.15	20.50	16.08	24.50	23.88	6.81	4.86	11.50	45.00	67.50	1	23	21	3	2	0	0.00	0.00				
M0847	11.78	53	31	53.41	16.00	30.89	22.50	9.85	12.50	22.31	12.62	2.46	12.50	35.00	63.50	2	20	27	3	2	0	0.00	0.00				
M0848	66.43	60	31	84.10	23.00	23.23	16.00	4.90	6.50	17.92	3.13	1.25	4.00	22.50	49.50	1	22	13	3	2	0					66.43	1,494.68
M0853	42.28	54	31	31.69	9.50	28.57	20.50	8.87	12.00	11.54	15.91	5.14	18.00	32.50	60.00	7	13	36	3	2	0			42.28	1,374.10		
M0854	15.09	77	21	21.33	6.00	31.55	22.50	10.85	14.50	6.95	1.81	0.50	1.50	37.00	44.50	1	13	5	3	2	0	15.09	558.33				
M0855	16.22	77	31	22.89	8.00	28.72	20.00	14.62	20.50	1.02	3.48	2.37	6.50	40.50	55.00	1	20	12	3	2	1	16.22	656.91				
O1405	5.50	84	10	32.84	11.00	15.71	10.50	3.87	5.00	34.38	8.04	1.57	7.50	15.50	34.00	1	25	33	3	1	0					5.50	85.25
O1415	0.04	61	21	2.67	1.00	9.17	7.00	8.17	13.00	14.26	2.85	1.76	4.50	20.00	25.50	1	21	21	3	1	0					0.04	0.80
O1416	0.52	64	26	35.65	9.00	14.82	10.50	7.33	10.50	5.15	1.61	1.20	3.50	21.00	33.50	7	22	11	3	1	0					0.52	10.92
O1417	13.31	65	31	29.64	8.00	17.15	12.50	12.89	19.00	14.72	6.46	3.00	9.50	31.50	49.00	2	20	24	3	1	0	13.31	419.27				
O1423	2.21	86	42**	11.70	3.50	12.76	9.50	9.76	14.50	26.77	19.26	3.01	18.00	24.00	45.50	7	24	50	3	1	0					0.00	0.00
pp341*	5.68	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.68	0.00
pp747*	0.31	14	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.31	0.00
	210.16																					**51.98**	**1,873.71**	**42.28**	**1,374.10**	**99.40**	**2,135.57**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1405	2009	n/a	Heavy Manuever Area - North (Maneuver Heavy Use Area)					1.96	30.38
O1415	2009	n/a	Heavy Manuever Area - North (Maneuver Heavy Use Area)					0.04	0.80
O1416	2009	n/a	Heavy Manuever Area - North (Maneuver Heavy Use Area)					0.52	10.92
O1417	2009	n/a	Heavy Manuever Area - North (Maneuver Heavy Use Area)	2.57	80.96				
pp341*	2009	n/a	Heavy Manuever Area - North (Maneuver Heavy Use Area)					4.85	0.00
			2009 SUB-TOTAL	**2.57**	**80.96**	**0.00**	**0.00**	**7.37**	**42.10**
M0848	2010	65557	Repair/Upgrade Existing Training Area Roads					1.18	26.55
M0855	2010	65557	Repair/Upgrade Existing Training Area Roads	0.33	13.37				
O1405	2010	65557	Repair/Upgrade Existing Training Area Roads					0.93	14.42
O1417	2010	65557	Repair/Upgrade Existing Training Area Roads	0.13	4.10				
			2010 SUB-TOTAL	**0.46**	**17.47**	**0.00**	**0.00**	**2.11**	**40.97**
			TOTAL REMOVALS	**3.03**	**98.43**	**0.00**	**0.00**	**9.48**	**83.07**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**49.41**	**1,792.75**	**48.95**	**1,775.28**
Potentially Suitable Habitat	**42.28**	**1,374.10**	**42.28**	**1,374.10**
Future Potential Habitat	**92.03**	**2,093.47**	**89.92**	**2,052.50**
SUB-TOTAL	**183.72**	**5,260.32**	**181.15**	**5,201.88**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-116. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **M08-04R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0629	7.36	64	31	32.94	10.00	20.88	14.50	12.29	18.00	9.51	4.26	1.59	5.00	32.50	47.50	2	21	15	0	0	3.56	PS					7.36	239.20
M0637	20.92	60	21	29.26	7.50	11.40	8.50	10.74	17.50	13.95	3.14	2.64	6.00	26.00	39.50	2	23	21	0	0	3.56	PS					20.92	543.92
M0839	2.51	53	31	32.38	11.00	28.15	20.50	16.08	24.50	23.88	6.81	4.86	11.50	45.00	67.50	1	23	21	3	2	4.14	PS					0.00	0.00
M0847	11.78	53	31	53.41	16.00	30.89	22.50	9.85	12.50	22.31	12.62	2.46	12.50	35.00	63.50	2	20	27	3	2	3.51	PS					0.00	0.00
M0848	66.43	60	31	84.10	23.00	23.23	16.00	4.90	6.50	17.92	3.13	1.25	4.00	22.50	49.50	1	22	13	3	2	3.18	PS					66.43	1,494.68
M0853	42.28	54	31	31.69	9.50	28.57	20.50	8.87	12.00	11.54	15.91	5.14	18.00	32.50	60.00	7	13	36	3	2	3.04	PS					42.28	1,374.10
M0854	15.09	77	21	21.33	6.00	31.55	22.50	10.85	14.50	6.95	1.81	0.50	1.50	37.00	44.50	1	13	5	3	2	3.74	PS					15.09	558.33
M0855	16.22	77	31	22.89	8.00	28.72	20.00	14.62	20.50	1.02	3.48	2.37	6.50	40.50	55.00	1	20	12	3	2	4.22	PS					16.22	656.91
O1405	5.50	84	10	32.84	11.00	15.71	10.50	3.87	5.00	34.38	8.04	1.57	7.50	15.50	34.00	1	25	33	3	1	3.05	PS					5.50	85.25
O1415	0.04	61	21	2.67	1.00	9.17	7.00	8.17	13.00	14.26	2.85	1.76	4.50	20.00	25.50	1	21	21	3	1	3.44	PS					0.04	0.80
O1416	0.52	64	26	35.65	9.00	14.82	10.50	7.33	10.50	5.15	1.61	1.20	3.50	21.00	33.50	7	22	11	3	1	3.06	PS					0.52	10.92
O1417	13.31	65	31	29.64	8.00	17.15	12.50	12.89	19.00	14.72	6.46	3.00	9.50	31.50	49.00	2	20	24	3	1	3.76	PS					13.31	419.27
O1423	2.21	86	42**	11.70	3.50	12.76	9.50	9.76	14.50	26.77	19.26	3.01	18.00	24.00	45.50	7	24	50	3	1	3.25	PS					0.00	0.00
pp341*	5.68	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					5.68	0.00
pp747*	0.31	14	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.31	0.00
	210.16																						**0.00**	**0.00**	**0.00**	**0.00**	**193.66**	**5,383.38**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1405	2009	n/a	Heavy Manuever Area - North (Maneuver Heavy Use Area)					1.96	30.38
O1415	2009	n/a	Heavy Manuever Area - North (Maneuver Heavy Use Area)					0.04	0.80
O1416	2009	n/a	Heavy Manuever Area - North (Maneuver Heavy Use Area)					0.52	10.92
O1417	2009	n/a	Heavy Manuever Area - North (Maneuver Heavy Use Area)					2.57	80.96
pp341*	2009	n/a	Heavy Manuever Area - North (Maneuver Heavy Use Area)					4.85	0.00
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**9.94**	**123.06**
M0848	2010	65557	Repair/Upgrade Existing Training Area Roads					1.18	26.55
M0855	2010	65557	Repair/Upgrade Existing Training Area Roads					0.33	13.37
O1405	2010	65557	Repair/Upgrade Existing Training Area Roads					0.93	14.42
O1417	2010	65557	Repair/Upgrade Existing Training Area Roads					0.13	4.10
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**2.57**	**58.44**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**12.51**	**181.50**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**183.72**	**5,260.32**	**181.15**	**5,201.88**
SUB-TOTAL	**183.72**	**5,260.32**	**181.15**	**5,201.88**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-117. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **M08-05R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0817	0.46	62	21	56.08	13.75	28.51	20.00	3.25	3.75	16.90	3.66	7.91	12.50	23.75	50.00	1	34	27	3	2	0					0.46	10.93
M0818	0.57	53	31	43.07	11.67	29.20	20.00	16.15	23.33	5.29	2.16	0.00	1.67	43.33	56.67	1	23	5	3	2	1	0.57	24.70				
M0825	2.40	47	26	27.09	8.00	32.12	24.00	15.55	20.50	24.91	4.32	3.44	8.00	44.50	60.50	1	25	14	3	2	1	2.40	106.80				
M0826	23.17	44	21	111.85	32.00	49.10	33.00	8.18	10.50	20.63	6.10	4.43	10.50	43.50	86.00	1	21	16	3	2	0			23.17	1,007.90		
M0827	11.89	44	22P	127.64	40.00	50.58	33.50	6.85	7.50	12.18	4.35	2.30	6.00	41.00	87.00	1	5	10	3	2	0			11.89	487.49		
M0828	15.54	41	26	102.18	31.00	45.91	32.00	7.69	9.50	10.86	7.84	5.85	13.00	41.50	85.50	5	13	20	3	2	0			15.54	644.91		
M0829	15.98	94	21	8.36	2.50	7.79	5.50	34.93	58.00	5.56	2.86	1.02	4.50	63.50	70.50	6	12	8	3	2	0			15.98	1,014.73		
M0830	13.43	49	13	54.90	16.00	33.01	22.50	5.78	8.50	42.10	11.72	3.98	14.00	31.00	61.00	5	13	29	3	2	0			13.43	416.33		
M0834	55.35	50	13	41.80	14.00	31.87	23.00	14.95	22.50	27.25	5.62	2.98	8.50	45.50	68.00	1	12	16	3	1	1	55.35	2,518.43				
M0835	0.03	23	31P	171.40	44.29	18.42	11.43	5.00	7.14	14.55	2.42	1.36	2.86	18.57	65.71	6	14	14	3	1	0					0.03	0.56
M0836	8.46	69	31	43.27	12.00	28.99	21.50	12.05	18.00	19.71	13.28	5.74	17.00	39.50	68.50	1	19	32	3	2	0	8.46	334.17				
M0838	10.04	38	31	72.95	19.50	28.61	19.00	9.02	11.50	28.39	5.96	1.60	7.00	30.50	57.00	4	14	17	3	2	0			10.04	306.22		
M0839	28.28	53	31	32.38	11.00	28.15	20.50	16.08	24.50	23.88	6.81	4.86	11.50	45.00	67.50	1	23	21	3	2	0	28.28	1,272.60				
M0840	39.14	48	31	73.36	21.50	20.60	13.50	7.56	10.00	31.00	11.41	4.50	13.50	23.50	58.50	1	14	36	3	2	0					39.14	919.79
O0104	0.44	41	21	12.29	4.50	12.76	9.50	8.78	12.00	8.79	2.69	0.88	4.00	21.50	30.00	1	21	14	3	1	0					0.44	9.46
O0106	0.02	94	22P	59.79	21.00	40.23	26.50	9.52	14.00	13.01	4.99	2.44	6.00	40.50	67.50	2	8	13	3	1	0			0.02	0.81		
O0111	10.81	83	31	29.84	7.37	3.76	3.16	4.92	8.95	8.06	6.77	2.63	9.47	12.11	28.95	2	26	52	3	1	0					10.81	130.91
O0117	0.76	0	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.76	0.00
O0121	1.76	45	31	118.84	34.00	36.81	25.00	2.77	3.50	2.76	6.05	2.04	7.00	28.50	69.50	1	16	17	3	1	0					1.76	50.16
O0124	0.28	39	31	50.76	15.00	27.06	19.50	12.69	17.50	15.71	2.65	0.57	2.50	37.00	54.50	1	26	7	3	1	0	0.28	10.36				
pp941*	13.58	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					13.58	0.00
pp963*	0.50	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.50	0.00
pp964*	3.88	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.88	0.00
	256.77																					**95.34**	**4,267.06**	**90.07**	**3,878.39**	**71.36**	**1,121.81**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
M0830	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)			0.26	8.06		
M0840	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)					0.28	6.58
O0104	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)					0.41	8.82
O0106	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)			0.02	0.81		
O0111	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)					7.18	86.95
O0117	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)					0.06	0.00
O0124	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)	0.28	10.36				
pp963*	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)					0.38	0.00
pp964*	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)					0.17	0.00
			2009 SUB-TOTAL	**0.28**	**10.36**	**0.28**	**8.87**	**8.48**	**102.35**
M0830	2010	65554	Construct Installation-Wide Roads, Paved			0.14	4.34		
M0830	2010	65557	Repair Existing Training Area Roads			0.39	12.09		
M0840	2010	65557	Repair Existing Training Area Roads					0.75	17.63
O0104	2010	65557	Repair Existing Training Area Roads					0.03	0.64
O0111	2010	65557	Repair Existing Training Area Roads					0.07	0.85
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.53**	**16.43**	**0.85**	**19.12**
			TOTAL REMOVALS	**0.28**	**10.36**	**0.81**	**25.30**	**9.33**	**121.47**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**95.06**	**4,256.70**	**95.06**	**4,256.70**
Potentially Suitable Habitat	**89.79**	**3,869.52**	**89.26**	**3,853.09**
Future Potential Habitat	**62.88**	**1,019.46**	**62.03**	**1,000.34**
TOTAL	**247.73**	**9,145.68**	**245.21**	**9,110.13**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
ND = No data provided

Stand Score
0=Unsuitable
1=Suitable

*Note: No pine data collected for pine plantation stands less than 30 years old.
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-118. Red-cockaded woodpecker foraging habitat totals and project removals using the Recovery Standard (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **M08-05R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0817	0.46	62	21	56.08	13.75	28.51	20.00	3.25	3.75	16.90	3.66	7.91	12.50	23.75	50.00	1	34	27	3	2	3.19	PS					0.46	10.93
M0818	0.57	53	31	43.07	11.67	29.20	20.00	16.15	23.33	5.29	2.16	0.00	1.67	43.33	56.67	1	23	5	3	2	4.12	PS					0.57	24.70
M0825	2.40	47	26	27.09	8.00	32.12	24.00	15.55	20.50	24.91	4.32	3.44	8.00	44.50	60.50	1	25	14	3	2	4.03	PS					2.40	106.80
M0826	23.17	44	21	111.85	32.00	49.10	33.00	8.18	10.50	20.63	6.10	4.43	10.50	43.50	86.00	1	21	16	3	2	3.32	PS					23.17	1,007.90
M0827	11.89	44	22P	127.64	40.00	50.58	33.50	6.85	7.50	12.18	4.35	2.30	6.00	41.00	87.00	1	5	10	3	2	2.98	PS					11.89	487.49
M0828	15.54	41	26	102.18	31.00	45.91	32.00	7.69	9.50	10.86	7.84	5.85	13.00	41.50	85.50	5	13	20	3	2	2.85	PS					15.54	644.91
M0829	15.98	94	21	8.36	2.50	7.79	5.50	34.93	58.00	5.56	2.86	1.02	4.50	63.50	70.50	6	12	8	3	2	4.15	PS			15.98	1,014.73		
M0830	13.43	49	13	54.90	16.00	33.01	22.50	5.78	8.50	42.10	11.72	3.98	14.00	31.00	61.00	5	13	29	3	2	2.80	PS					13.43	416.33
M0834	55.35	50	13	41.80	14.00	31.87	23.00	14.95	22.50	27.25	5.62	2.98	8.50	45.50	68.00	1	12	16	3	1	3.86	PS					55.35	2,518.43
M0835	0.03	23	31P	171.40	44.29	18.42	11.43	5.00	7.14	14.55	2.42	1.36	2.86	18.57	65.71	6	14	14	3	1	2.07	NH					0.03	0.56
M0836	8.46	69	31	43.27	12.00	28.99	21.50	12.05	18.00	19.71	13.28	5.74	17.00	39.50	68.50	1	19	32	3	2	3.81	PS					8.46	334.17
M0838	10.04	38	31	72.95	19.50	28.61	19.00	9.02	11.50	28.39	5.96	1.60	7.00	30.50	57.00	4	14	17	3	2	3.07	PS					10.04	306.22
M0839	28.28	53	31	32.38	11.00	28.15	20.50	16.08	24.50	23.88	6.81	4.86	11.50	45.00	67.50	1	23	21	3	2	4.14	PS					28.28	1,272.60
M0840	39.14	48	31	73.36	21.50	20.60	13.50	7.56	10.00	31.00	11.41	4.50	13.50	23.50	58.50	1	14	36	3	2	3.12	PS					39.14	919.79
O0104	0.44	41	21	12.29	4.50	12.76	9.50	8.78	12.00	8.79	2.69	0.88	4.00	21.50	30.00	1	21	14	3	1	3.17	PS					0.44	9.46
O0106	0.02	94	22P	59.79	21.00	40.23	26.50	9.52	14.00	13.01	4.99	2.44	6.00	40.50	67.50	2	8	13	3	1	3.45	PS					0.02	0.81
O0111	10.81	83	31	29.84	7.37	3.76	3.16	4.92	8.95	8.06	6.77	2.63	9.47	12.11	28.95	2	26	52	3	1	3.08	PS					10.81	130.91
O0117	0.76	0	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.76	0.00
O0121	1.76	45	31	118.84	34.00	36.81	25.00	2.77	3.50	2.76	6.05	2.04	7.00	28.50	69.50	1	16	17	3	1	2.53	PS					1.76	50.16
O0124	0.28	39	31	50.76	15.00	27.06	19.50	12.69	17.50	15.71	2.65	0.57	2.50	37.00	54.50	1	26	7	3	1	3.34	PS					0.28	10.36
pp941*	13.58	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					13.58	0.00
pp963	0.50	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.50	0.00
pp964	3.88	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.88	0.00
	256.77																						**0.00**	**0.00**	**15.98**	**1,014.73**	**240.79**	**8,252.53**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
M0830	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)					0.26	8.06
M0840	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)					0.28	6.58
O0104	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)					0.41	8.82
O0106	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)					0.02	0.81
O0111	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)					7.18	86.95
O0117	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)					0.06	0.00
O0124	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)					0.28	10.36
pp963*	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)					0.38	0.00
pp964*	2009	n/a	Heavy Maneuver Area - North (Maneuver Heavy Use Area)					0.17	0.00
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**9.04**	**121.58**
M0830	2010	65554	Construct Installation-Wide Roads, Paved					0.14	4.34
M0830	2010	65557	Repair Existing Training Area Roads					0.39	12.09
M0840	2010	65557	Repair Existing Training Area Roads					0.75	17.63
O0104	2010	65557	Repair Existing Training Area Roads					0.03	0.64
O0111	2010	65557	Repair Existing Training Area Roads					0.07	0.85
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**1.38**	**35.55**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**10.42**	**157.13**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**15.98**	**1,014.73**	**15.98**	**1,014.73**
Future Potential Habitat	**231.75**	**8,130.95**	**230.37**	**8,095.40**
TOTAL	**247.73**	**9,145.68**	**245.21**	**9,110.13**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
ND = No data provided

*Note: No pine data collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-119. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O01-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0107	0.26	58	21	13.09	4.00	30.59	23.00	13.52	17.50	4.77	3.36	1.81	5.50	40.50	50.00	1	25	10	3	1	1	0.00	0.00				
O0109	1.88	58	31	17.62	5.50	18.71	13.00	15.97	22.00	6.10	5.31	2.75	8.00	35.00	48.50	3	21	19	3	1	0	0.00	0.00				
O0109	0.39	58	31	17.62	5.50	18.71	13.00	15.97	22.00	6.10	5.31	2.75	8.00	35.00	48.50	3	21	19	3	1	0	0.39	13.65				
O0110	1.19	22	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
O0114	28.63	41	22P	77.71	26.00	44.34	28.00	3.82	5.00	1.43	1.59	1.44	2.50	33.00	61.50	2	25	6	3	1	0			28.63	944.79		
O0116	18.70	60	31	6.68	2.00	9.18	7.00	15.59	24.50	4.22	0.00	0.28	1.00	31.50	34.50	1	37	1	3	1	0	18.70	589.05				
O0122	34.43	80	26	12.83	4.00	17.01	12.50	14.63	22.00	7.94	6.55	2.78	8.50	34.50	47.00	2	28	23	3	1	0	34.43	1,187.84				
O0123	23.01	85	31	7.65	2.50	12.49	9.00	21.91	38.00	4.56	2.44	1.17	3.00	47.00	52.50	1	21	9	3	1	1	23.01	1,081.47				
O0127	1.33	44	31	37.95	12.50	44.49	27.50	0.00	0.00	0.00	0.00	0.00	0.00	27.50	40.00	2	20	0	3	1	0					1.33	36.58
O1402	9.78	80	21	3.60	1.00	6.57	5.00	21.15	31.00	11.40	3.05	3.10	7.00	36.00	44.00	1	20	18	3	1	0	9.78	352.08				
O1506	25.17	84	31	14.39	4.21	14.27	10.53	14.00	25.79	29.01	10.99	6.75	17.89	36.32	58.42	2	4	39	3	1	0	25.17	914.17				
O1510	0.55	74	21	17.79	5.00	9.59	7.00	16.57	28.50	1.63	4.66	4.07	9.00	35.50	49.50	1	15	25	3	1	0	0.55	19.53				
pp375*	5.59	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.59	0.00
pp962*	12.56	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					12.56	0.00
	163.46																					**112.03**	**4,157.79**	**28.63**	**944.79**	**19.48**	**36.58**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0109	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	0.39	13.65				
O0114	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			5.76	190.08		
O0116	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	1.92	60.48				
O0122	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	14.93	515.09				
O0123	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	8.48	398.56				
O0127	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.77	21.18
O1402	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	0.91	32.76				
O1506	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	2.47	89.71				
pp375*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					2.97	0.00
			2009 SUB-TOTAL	**29.10**	**1,110.25**	**5.76**	**190.08**	**3.74**	**21.18**
O0122	2010	65554	Construct Installation-Wide Roads, Paved	0.13	4.49				
O0123	2010	65554	Construct Installation-Wide Roads, Paved	0.12	5.64				
O1402	2010	65554	Construct Installation-Wide Roads, Paved	0.02	0.72				
O1506	2010	65554	Construct Installation-Wide Roads, Paved	1.33	48.31				
			2010 SUB-TOTAL	**1.60**	**59.15**	**0.00**	**0.00**	**0.00**	**0.00**
			TOTAL REMOVALS	**30.70**	**1,169.40**	**5.76**	**190.08**	**3.74**	**21.18**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**82.93**	**3,047.54**	**81.33**	**2,988.39**
Potentially Suitable Habitat	**22.87**	**754.71**	**22.87**	**754.71**
Future Potential Habitat	**15.74**	**15.40**	**15.74**	**15.40**
TOTAL	**121.54**	**3,817.65**	**119.94**	**3,758.50**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
ND = No data provided

* Note: No pine data collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-120. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O01-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0107	0.26	58	21	13.09	4.00	30.59	23.00	13.52	17.50	4.77	3.36	1.81	5.50	40.50	50.00	1	25	10	3	1	3.90	PS					0.00	0.00
O0109	1.88	58	31	17.62	5.50	18.71	13.00	15.97	22.00	6.10	5.31	2.75	8.00	35.00	48.50	3	21	19	3	1	3.99	PS					0.00	0.00
O0109	0.39	58	31	17.62	5.50	18.71	13.00	15.97	22.00	6.10	5.31	2.75	8.00	35.00	48.50	3	21	19	3	1	3.99	PS					0.39	13.65
O0110	1.19	22	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.00	0.00
O0114	28.63	41	22P	77.71	26.00	44.34	28.00	3.82	5.00	1.43	1.59	1.44	2.50	33.00	61.50	2	25	6	3	1	2.85	PS					28.63	944.79
O0116	18.70	60	31	6.68	2.00	9.18	7.00	15.59	24.50	4.22	0.00	0.28	1.00	31.50	34.50	1	37	1	3	1	4.18	PS					18.70	589.05
O0122	34.43	80	26	12.83	4.00	17.01	12.50	14.63	22.00	7.94	6.55	2.78	8.50	34.50	47.00	2	28	23	3	1	4.13	PS					34.43	1,187.84
O0123	23.01	85	31	7.65	2.50	12.49	9.00	21.91	38.00	4.56	2.44	1.17	3.00	47.00	52.50	1	21	9	3	1	4.33	PS			23.01	1,081.47		
O0127	1.33	44	31	37.95	12.50	44.49	27.50	0.00	0.00	0.00	0.00	0.00	0.00	27.50	40.00	2	20	0	3	1	2.72	PS					1.33	36.58
O1402	9.78	80	21	3.60	1.00	6.57	5.00	21.15	31.00	11.40	3.05	3.10	7.00	36.00	44.00	1	20	18	3	1	4.28	PS					9.78	352.08
O1506	25.17	84	31	14.39	4.21	14.27	10.53	14.00	25.79	29.01	10.99	6.75	17.89	36.32	58.42	2	4	39	3	1	3.93	PS					25.17	914.17
O1510	0.55	74	21	17.79	5.00	9.59	7.00	16.57	28.50	1.63	4.66	4.07	9.00	35.50	49.50	1	15	25	3	1	4.03	PS					0.55	19.53
pp375*	5.59	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					5.59	0.00
pp962*	12.56	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					12.56	0.00
	163.46																						**0.00**	**0.00**	**23.01**	**1,081.47**	**137.13**	**4,057.69**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0109	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.39	13.65
O0114	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					5.76	190.08
O0116	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					1.92	60.48
O0122	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					14.93	515.09
O0123	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			8.48	398.56		
O0127	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.77	21.18
O1402	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.91	32.76
O1506	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					2.47	89.71
pp375*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					2.97	0.00
			2009 SUB-TOTAL	**0.00**	**0.00**	**8.48**	**398.56**	**30.12**	**922.95**
O0122	2010	65554	Construct Installation-Wide Roads, Paved					0.13	4.49
O0123	2010	65554	Construct Installation-Wide Roads, Paved			0.12	5.64		
O1402	2010	65554	Construct Installation-Wide Roads, Paved					0.02	0.72
O1506	2010	65554	Construct Installation-Wide Roads, Paved					1.33	48.31
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.12**	**5.64**	**1.48**	**53.51**
			TOTAL REMOVALS	**0.00**	**0.00**	**8.60**	**404.20**	**31.60**	**976.46**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**14.53**	**682.91**	**14.41**	**677.27**
Future Potential Habitat	**107.01**	**3,134.74**	**105.53**	**3,081.23**
TOTAL	**121.54**	**3,817.65**	**119.94**	**3,758.50**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
ND = No data provided

* Note: No pine data collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-121. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O01-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0840	27.63	48	31	73.36	21.50	20.60	13.50	7.56	10.00	31.00	11.41	4.50	13.50	23.50	58.50	1	14	36	3	2	0					27.63	649.31
M0848	22.48	60	31	84.10	23.00	23.23	16.00	4.90	6.50	17.92	3.13	1.25	4.00	22.50	49.50	1	22	13	3	2	0					22.48	505.80
O0114	0.00	41	22P	77.71	26.00	44.34	28.00	3.82	5.00	1.43	1.59	1.44	2.50	33.00	61.50	2	25	6	3	1	0			0.00	0.00		
O0117	0.54	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
O0121	12.35	45	31	118.84	34.00	36.81	25.00	2.77	3.50	2.76	6.05	2.04	7.00	28.50	69.50	1	16	17	3	1	0					12.35	351.98
O0122	4.92	80	26	12.83	4.00	17.01	12.50	14.63	22.00	7.94	6.55	2.78	8.50	34.50	47.00	2	28	23	3	1	0	4.92	169.74				
O0124	17.73	39	31	50.76	15.00	27.06	19.50	12.69	17.50	15.71	2.65	0.57	2.50	37.00	54.50	1	26	7	3	1	0	17.73	656.01				
O0125	33.01	81	42*	19.25	7.00	20.22	14.00	8.74	13.50	12.41	11.09	4.19	13.50	27.50	48.00	2	25	35	3	1	0					0.00	0.00
O0126	12.21	82	31	33.82	9.50	17.96	13.00	18.34	28.00	22.55	12.49	3.17	12.50	41.00	63.00	7	23	30	3	1	0			12.21	500.61		
O0127	3.24	44	31	37.95	12.50	44.49	27.50	0.00	0.00	0.00	0.00	0.00	0.00	27.50	40.00	2	20	0	3	1	0					3.24	89.10
O1401	10.70	44	31	47.92	13.16	25.49	17.37	7.10	8.42	7.79	1.64	0.00	1.05	25.79	40.00	1	29	5	3	1	0					10.70	275.95
O1402	3.09	80	21	3.60	1.00	6.57	5.00	21.15	31.00	11.40	3.05	3.10	7.00	36.00	44.00	1	20	18	3	1	0	3.09	111.24				
O1404	8.27	18	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					8.27	0.00
O1405	26.87	84	10	32.84	11.00	15.71	10.50	3.87	5.00	34.38	8.04	1.57	7.50	15.50	34.00	1	25	33	3	1	0					26.87	416.49
O1415	0.98	61	21	2.67	1.00	9.17	7.00	8.17	13.00	14.26	2.85	1.76	4.50	20.00	25.50	1	21	21	3	1	0					0.00	0.00
pp964	1.86	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp967	4.02	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.02	0.00
pp968	12.49	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					12.49	0.00
	202.39																					**25.74**	**936.99**	**12.21**	**500.61**	**128.05**	**2,288.63**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0124	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	14.57	539.09				
O0126	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			1.79	73.39		
O0127	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					2.98	81.95
O1401	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					6.10	157.32
O1402	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	0.24	8.64				
O1405	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					1.11	17.21
			2009 SUB-TOTAL	**14.81**	**547.73**	**1.79**	**73.39**	**10.19**	**256.48**
M0840	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.34	31.49
M0848	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.43	32.18
O0124	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.35	12.95				
O1401	2010	65554	Construct Installation-Wide Roads, Paved					0.22	5.67
O1405	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.84	13.02
pp968	2010	65554	Construct Installation-Wide Roads, Paved					0.34	0.00
			2010 SUB-TOTAL	**0.35**	**12.95**	**0.00**	**0.00**	**4.17**	**82.36**
			TOTAL REMOVALS	**15.16**	**560.68**	**1.79**	**73.39**	**14.36**	**338.84**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**10.93**	**389.26**	**2.50**	**89.65**
Potentially Suitable Habitat	**10.42**	**427.22**	**0.00**	**0.00**
Future Potential Habitat	**117.86**	**2,032.15**	**101.08**	**1,590.66**
SUB-TOTAL	**139.21**	**2,848.63**	**103.58**	**1,680.31**
non-contiguous habitat	**-31.11**	**-1,073.01**	**0.00**	**0.00**
TOTAL	**108.10**	**1,775.62**	**103.58**	**1,680.31**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
22P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42* = Upland Hardwood-Yellow Pine (managed for hardwoods)
NM = Not managed

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

A portion of stand O0124 and stands O0114, O0121, O0122, O0125, O0126 and O0127 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-122. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O01-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0840	27.63	48	31	73.36	21.50	20.60	13.50	7.56	10.00	31.00	11.41	4.50	13.50	23.50	58.50	1	14	36	3	2	3.12	PS					27.63	649.31
M0848	22.48	60	31	84.10	23.00	23.23	16.00	4.90	6.50	17.92	3.13	1.25	4.00	22.50	49.50	1	22	13	3	2	3.18	PS					22.48	505.80
O0114	0.00	41	22P	77.71	26.00	44.34	28.00	3.82	5.00	1.43	1.59	1.44	2.50	33.00	61.50	2	25	6	3	1	2.85	PS					0.00	0.00
O0117	0.54	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.00	0.00
O0121	12.35	45	31	118.84	34.00	36.81	25.00	2.77	3.50	2.76	6.05	2.04	7.00	28.50	69.50	1	16	17	3	1	2.53	PS					12.35	351.98
O0122	4.92	80	26	12.83	4.00	17.01	12.50	14.63	22.00	7.94	6.55	2.78	8.50	34.50	47.00	2	28	23	3	1	4.13	PS					4.92	169.74
O0124	17.73	39	31	50.76	15.00	27.06	19.50	12.69	17.50	15.71	2.65	0.57	2.50	37.00	54.50	1	26	7	3	1	3.34	PS					17.73	656.01
O0125	33.01	81	42*	19.25	7.00	20.22	14.00	8.74	13.50	12.41	11.09	4.19	13.50	27.50	48.00	2	25	35	3	1	3.50	PS					0.00	0.00
O0126	12.21	82	31	33.82	9.50	17.96	13.00	18.34	28.00	22.55	12.49	3.17	12.50	41.00	63.00	7	23	30	3	1	3.95	PS			12.21	500.61		
O0127	3.24	44	31	37.95	12.50	44.49	27.50	0.00	0.00	0.00	0.00	0.00	0.00	27.50	40.00	2	20	0	3	1	2.72	PS					3.24	89.10
O1401	10.70	44	31	47.92	13.16	25.49	17.37	7.10	8.42	7.79	1.64	0.00	1.05	25.79	40.00	1	29	5	3	1	2.95	PS					10.70	275.95
O1402	3.09	80	21	3.60	1.00	6.57	5.00	21.15	31.00	11.40	3.05	3.10	7.00	36.00	44.00	1	20	18	3	1	4.28	PS					3.09	111.24
O1404	8.27	18	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					8.27	0.00
O1405	26.87	84	10	32.84	11.00	15.71	10.50	3.87	5.00	34.38	8.04	1.57	7.50	15.50	34.00	1	25	33	3	1	3.05	PS					26.87	416.49
O1415	0.98	61	21	2.67	1.00	9.17	7.00	8.17	13.00	14.26	2.85	1.76	4.50	20.00	25.50	1	21	21	3	1	3.44	PS					0.00	0.00
pp964	1.86	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp967	4.02	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.02	0.00
pp968	12.49	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					12.49	0.00
	202.39																						**0.00**	**0.00**	**12.21**	**500.61**	**153.79**	**3,225.62**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0124	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					14.57	539.09
O0126	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			1.79	73.39		
O0127	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					2.98	81.95
O1401	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					6.10	157.32
O1402	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.24	8.64
O1405	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					1.11	17.21
			2009 SUB-TOTAL	**0.00**	**0.00**	**1.79**	**73.39**	**25.00**	**804.21**
M0840	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.34	31.49
M0848	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.43	32.18
O0124	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.35	12.95
O1401	2010	65554	Construct Installation-Wide Roads, Paved					0.22	5.67
O1405	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.84	13.02
pp968	2010	65554	Construct Installation-Wide Roads, Paved					0.34	0.00
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**4.52**	**95.31**
			TOTAL REMOVALS	**0.00**	**0.00**	**1.79**	**73.39**	**29.52**	**899.52**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**10.42**	**427.22**	**0.00**	**0.00**
Future Potential Habitat	**128.79**	**2,421.41**	**103.58**	**1,680.31**
SUB-TOTAL	**139.21**	**2,848.63**	**103.58**	**1,680.31**
***non-contiguous habitat**	**-31.11**	**-1,073.01**	**0.00**	**0.00**
TOTAL	**108.10**	**1,775.62**	**103.58**	**1,680.31**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
22P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42* = Upland Hardwood-Yellow Pine (managed for hardwoods)
NM = Not managed

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

A portion of stand O0124 and stands O0114, O0121, O0122, O0125, O0126 and O0127 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-123. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O01-03**, Alternative A Transformatio projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0805	4.68	42	26	28.21	8.89	24.43	17.78	12.62	18.89	11.19	2.21	1.38	3.33	36.67	48.89	1	26	9	3	2	0	4.68	171.62				
M0806	8.40	42	22P	97.82	33.75	65.86	43.75	3.08	3.75	7.38	4.30	0.99	3.75	47.50	85.00	1	30	7	3	2	0			8.40	399.00		
M0807	5.64	42	26	98.22	22.00	3.26	2.00	1.49	2.00	0.00	0.00	0.00	0.00	4.00	26.00	1	18	0	3	2	0					5.64	22.56
M0808	0.08	75	21	11.31	3.75	40.06	28.75	33.96	47.50	0.00	0.00	0.78	1.25	76.25	81.25	1	18	1	3	2	1	0.08	6.10				
M0809	4.10	42	11	3.47	1.50	11.32	7.50	6.43	9.50	25.62	3.75	0.40	3.00	17.00	21.50	1	47	19	3	2	0					4.10	69.70
M0810	0.79	42	22P	170.11	51.25	55.75	36.25	4.01	5.00	9.63	3.61	1.91	5.00	41.25	97.50	1	11	8	3	2	0			0.79	32.59		
M0811	0.94	53	31	15.10	5.00	47.25	35.00	40.36	65.00	11.19	2.84	1.96	5.00	100.00	110.00	1	3	5	3	2	1	0.94	94.00				
O0101	23.22	55	10	22.34	6.84	12.43	10.00	20.97	30.00	12.97	5.02	1.51	6.32	40.00	53.16	2	24	16	3	1	0	23.22	928.80				
O0103	18.91	38	31	18.87	6.00	21.13	15.00	6.22	9.00	1.11	2.89	1.74	4.50	24.00	34.50	2	29	14	3	1	0					18.91	453.84
O0104	6.05	41	21	12.29	4.50	12.76	9.50	8.78	12.00	8.79	2.69	0.88	4.00	21.50	30.00	1	21	14	3	1	0					6.05	130.08
O0219	7.82	31	31P	81.41	20.00	11.43	7.50	5.47	8.00	2.85	0.00	0.00	0.00	15.50	35.50	6	25	0	3	1	0					7.82	121.21
O0220	5.17	72	21	13.10	3.68	26.75	19.47	19.23	27.37	10.86	2.42	0.67	3.16	46.84	53.68	1	19	6	3	1	1	5.17	242.16				
O0315	0.09	38	31	42.88	12.50	25.77	18.50	14.20	19.50	0.00	0.00	0.45	0.50	38.00	51.00	1	43	1	3	1	0	0.09	3.42				
O0333	53.33	41	31	55.21	17.78	43.16	30.00	11.80	15.00	19.12	2.30	1.62	3.89	45.00	66.67	2	29	7	3	1	1	53.33	2,399.85				
O0334	0.01	18	31P	267.23	52.00	0.00	0.00	0.00	0.00	3.85	0.00	0.00	0.00	0.00	52.00	1	35	0	3	1	0					0.01	0.00
O0340	13.65	41	22	26.17	9.00	46.44	33.00	10.22	12.00	5.10	0.55	1.24	2.50	45.00	56.50	4	30	3	3	1	1			13.65	614.25		
pp630*	1.79	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.79	0.00
	154.67																					**87.51**	**3,845.95**	**22.84**	**1,045.84**	**44.32**	**797.39**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0101	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	0.15	6.00				
O0103	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					13.09	314.16
O0219	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.38	5.89
O0333	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	30.99	1,394.55				
O0334	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.01	0.00
O0340	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			9.97	448.65		
			2009 SUB-TOTAL	**31.14**	**1,400.55**	**9.97**	**448.65**	**13.48**	**320.05**
M0806	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.19	9.03		
M0807	2010	65554	Construct Installation-Wide Roads, Paved					0.02	0.08
M0807	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.79	3.16
M0811	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.21	21.00				
O0101	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.17	6.80				
O0103	2010	65554	Construct Installation-Wide Roads, Paved					0.01	0.24
O0103	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.15	3.60
O0104	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.47	10.11
O0219	2010	65554	Construct Installation-Wide Roads, Paved					0.10	1.55
O0219	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.50	7.75
O0333	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.17	7.65				
			2010 SUB-TOTAL	**0.55**	**35.45**	**0.19**	**9.03**	**2.04**	**26.49**
			TOTAL REMOVALS	**31.69**	**1,436.00**	**10.16**	**457.68**	**15.52**	**346.54**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**56.37**	**2,445.40**	**54.67**	**2,358.20**
Potentially Suitable Habitat	**12.87**	**597.19**	**9.00**	**422.56**
Future Potential Habitat	**30.84**	**477.34**	**28.80**	**450.85**
SUB-TOTAL	**100.08**	**3,519.93**	**92.47**	**3,231.61**
non-contiguous habitat	**-4.83**	**-217.35**	**0.00**	**0.00**
TOTAL	**95.25**	**3,302.58**	**92.47**	**3,231.61**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22 = Slash Pine
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Portions of stands O0333 and O0340 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from stand O0340 were not considered.

Table D-124. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O01-03**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0805	4.68	42	26	28.21	8.89	24.43	17.78	12.62	18.89	11.19	2.21	1.38	3.33	36.67	48.89	1	26	9	3	2	3.69	PS					4.68	171.62
M0806	8.40	42	22P	97.82	33.75	65.86	43.75	3.08	3.75	7.38	4.30	0.99	3.75	47.50	85.00	1	30	7	3	2	2.95	PS					8.40	399.00
M0807	5.64	42	26	98.22	22.00	3.26	2.00	1.49	2.00	0.00	0.00	0.00	0.00	4.00	26.00	1	18	0	3	2	2.63	PS					5.64	22.56
M0808	0.08	75	21	11.31	3.75	40.06	28.75	33.96	47.50	0.00	0.00	0.78	1.25	76.25	81.25	1	18	1	3	2	4.38	PS			0.08	6.10		
M0809	4.10	42	11	3.47	1.50	11.32	7.50	6.43	9.50	25.62	3.75	0.40	3.00	17.00	21.50	1	47	19	3	2	3.33	PS					4.10	69.70
M0810	0.79	42	22P	170.11	51.25	55.75	36.25	4.01	5.00	9.63	3.61	1.91	5.00	41.25	97.50	1	11	8	3	2	2.93	PS					0.79	32.59
M0811	0.94	53	31	15.10	5.00	47.25	35.00	40.36	65.00	11.19	2.84	1.96	5.00	100.00	110.00	1	3	5	3	2	4.14	PS					0.94	94.00
O0101	23.22	55	10	22.34	6.84	12.43	10.00	20.97	30.00	12.97	5.02	1.51	6.32	40.00	53.16	2	24	16	3	1	4.18	PS					23.22	928.80
O0103	18.91	38	31	18.87	6.00	21.13	15.00	6.22	9.00	1.11	2.89	1.74	4.50	24.00	34.50	2	29	14	3	1	2.89	PS					18.91	453.84
O0104	6.05	41	21	12.29	4.50	12.76	9.50	8.78	12.00	8.79	2.69	0.88	4.00	21.50	30.00	1	21	14	3	1	3.17	PS					6.05	130.08
O0219	7.82	31	31P	81.41	20.00	11.43	7.50	5.47	8.00	2.85	0.00	0.00	0.00	15.50	35.50	6	25	0	3	1	2.51	PS					7.82	121.21
O0220	5.17	72	21	13.10	3.68	26.75	19.47	19.23	27.37	10.86	2.42	0.67	3.16	46.84	53.68	1	19	6	3	1	4.23	PS			5.17	242.16		
O0315	0.09	38	31	42.88	12.50	25.77	18.50	14.20	19.50	0.00	0.00	0.45	0.50	38.00	51.00	1	43	1	3	1	3.70	PS					0.09	3.42
O0333	53.33	41	31	55.21	17.78	43.16	30.00	11.80	15.00	19.12	2.30	1.62	3.89	45.00	66.67	2	29	7	3	1	3.09	PS					53.33	2,399.85
O0334	0.01	18	31P	267.23	52.00	0.00	0.00	0.00	0.00	3.85	0.00	0.00	0.00	0.00	52.00	1	35	0	3	1	2.36	NH					0.01	0.00
O0340	13.65	41	22	26.17	9.00	46.44	33.00	10.22	12.00	5.10	0.55	1.24	2.50	45.00	56.50	4	30	3	3	1	3.33	PS					13.65	614.25
pp630*	1.79	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.79	0.00
	154.67																						**0.00**	**0.00**	**5.25**	**248.26**	**149.42**	**5,440.92**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0101	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.15	6.00
O0103	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					13.09	314.16
O0219	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.38	5.89
O0333	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					30.99	1,394.55
O0334	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.01	0.00
O0340	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					9.97	448.65
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**54.59**	**2,169.25**
M0806	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.19	9.03
M0807	2010	65554	Construct Installation-Wide Roads, Paved					0.02	0.08
M0807	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.79	3.16
M0811	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.21	21.00
O0101	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.17	6.80
O0103	2010	65554	Construct Installation-Wide Roads, Paved					0.01	0.24
O0103	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.15	3.60
O0104	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.47	10.11
O0219	2010	65554	Construct Installation-Wide Roads, Paved					0.10	1.55
O0219	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.50	7.75
O0333	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.17	7.65
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**2.78**	**70.97**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**57.37**	**2,240.22**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**5.25**	**248.26**	**5.25**	**248.26**
Future Potential Habitat	**94.83**	**3,271.67**	**87.22**	**2,983.35**
SUB-TOTAL	**100.08**	**3,519.93**	**92.47**	**3,231.61**
non-contiguous habitat	**-4.83**	**-217.35**	**0.00**	**0.00**
TOTAL	**95.25**	**3,302.58**	**92.47**	**3,231.61**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22 = Slash Pine
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Portions of stands O0333 and O0340 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from stand O0340 were not considered.

Table D-125. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O01-04R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0808	0.45	75	21	11.31	3.75	40.06	28.75	33.96	47.50	0.00	0.00	0.78	1.25	76.25	81.25	1	18	1	3	2	1	0.45	34.31				
M0809	0.96	42	11	3.47	1.50	11.32	7.50	6.43	9.50	25.62	3.75	0.40	3.00	17.00	21.50	1	47	19	3	2	0					0.96	16.32
M0810	7.71	42	22P	170.11	51.25	55.75	36.25	4.01	5.00	9.63	3.61	1.91	5.00	41.25	97.50	1	11	8	3	2	0			7.71	318.04		
M0811	3.52	53	31	15.10	5.00	47.25	35.00	40.36	65.00	11.19	2.84	1.96	5.00	100.00	110.00	1	3	5	3	2	1	3.52	352.00				
M0817	5.17	62	21	56.08	13.75	28.51	20.00	3.25	3.75	16.90	3.66	7.91	12.50	23.75	50.00	1	34	27	3	2	0					5.17	122.79
M0818	4.98	53	31	43.07	11.67	29.20	20.00	16.15	23.33	5.29	2.16	0.00	1.67	43.33	56.67	1	23	5	3	2	1	4.98	215.78				
M0819	13.74	44	22	98.96	27.00	51.93	34.00	3.43	4.00	15.24	1.87	0.44	1.50	38.00	66.50	6	26	4	3	2	0			13.74	522.12		
M0827	12.11	44	22P	127.64	40.00	50.58	33.50	6.85	7.50	12.18	4.35	2.30	6.00	41.00	87.00	1	5	10	3	2	0			12.11	496.51		
O0101	8.14	55	10	22.34	6.84	12.43	10.00	20.97	30.00	12.97	5.02	1.51	6.32	40.00	53.16	2	24	16	3	1	0	8.14	325.60				
O0104	26.86	41	21	12.29	4.50	12.76	9.50	8.78	12.00	8.79	2.69	0.88	4.00	21.50	30.00	1	21	14	3	1	0					26.86	577.49
O0106	38.68	94	22P	59.79	21.00	40.23	26.50	9.52	14.00	13.01	4.99	2.44	6.00	40.50	67.50	2	8	13	3	1	0			38.68	1,566.54		
O0107	3.91	58	21	13.09	4.00	30.59	23.00	13.52	17.50	4.77	3.36	1.81	5.50	40.50	50.00	1	25	10	3	1	1	3.91	158.36				
O0109	30.72	58	31	17.62	5.50	18.71	13.00	15.97	22.00	6.10	5.31	2.75	8.00	35.00	48.50	3	21	19	3	1	0	30.72	1,075.20				
O0110	0.27	22	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.27	0.00
O0113	6.18	41	22P	61.47	18.33	31.27	20.00	2.81	3.33	0.00	0.00	0.00	0.00	23.33	41.67	1	27	0	3	1	0					6.18	144.18
O0114	0.73	41	22P	77.71	26.00	44.34	28.00	3.82	5.00	1.43	1.59	1.44	2.50	33.00	61.50	2	25	6	3	1	0			0.73	24.09		
pp632*	8.32	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					8.32	0.00
pp962	0.05	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.05	0.00
pp963	1.59	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.59	0.00
	174.09																					**51.72**	**2,161.25**	**72.97**	**2,927.30**	**49.40**	**860.78**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0104	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					8.30	178.45
O0106	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			10.34	418.77		
O0107	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	0.52	21.06				
O0109	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	6.95	243.25				
O0110	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.26	0.00
O0113	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					4.85	113.15
O0114	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			0.25	8.25		
pp632*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					7.44	0.00
pp962	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.05	0.00
pp963	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.11	0.00
			2009 SUB-TOTAL	**7.47**	**264.31**	**10.59**	**427.02**	**21.01**	**291.60**
M0811	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.08	8.00				
M0819	2010	65557	Repair/ Upgrade Existing Training Area Roads			2.09	79.42		
M0827	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.38	15.58		
O0104	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.74	37.41
O0109	2010	65554	Construct Installation-Wide Roads, Paved	0.71	24.85				
			2010 SUB-TOTAL	**0.79**	**32.85**	**2.47**	**95.00**	**1.74**	**37.41**
			TOTAL REMOVALS	**8.26**	**297.16**	**13.06**	**522.02**	**22.75**	**329.01**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**44.25**	**1,896.94**	**43.46**	**1,864.09**
Potentially Suitable Habitat	**62.38**	**2,500.28**	**59.43**	**2,389.44**
Future Potential Habitat	**28.39**	**569.18**	**23.84**	**500.74**
SUB-TOTAL	**135.02**	**4,966.40**	**126.73**	**4,754.27**
non-contiguous habitat	**-3.29**	**-46.87**	**0.00**	**0.00**
TOTAL	**131.73**	**4,919.53**	**126.73**	**4,754.27**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22 = Slash Pine
22P = Longleaf Pine Plantation
31 = Loblolly Pine
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands O0113, O0114 and pp963 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from these stands were not considered.

Table D-126. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O01-04R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0808	0.45	75	21	11.31	3.75	40.06	28.75	33.96	47.50	0.00	0.00	0.78	1.25	76.25	81.25	1	18	1	3	2	4.38	PS			0.45	34.31		
M0809	0.96	42	11	3.47	1.50	11.32	7.50	6.43	9.50	25.62	3.75	0.40	3.00	17.00	21.50	1	47	19	3	2	3.33	PS					0.96	16.32
M0810	7.71	42	22P	170.11	51.25	55.75	36.25	4.01	5.00	9.63	3.61	1.91	5.00	41.25	97.50	1	11	8	3	2	2.93	PS					7.71	318.04
M0811	3.52	53	31	15.10	5.00	47.25	35.00	40.36	65.00	11.19	2.84	1.96	5.00	100.00	110.00	1	3	5	3	2	4.14	PS					3.52	352.00
M0817	5.17	62	21	56.08	13.75	28.51	20.00	3.25	3.75	16.90	3.66	7.91	12.50	23.75	50.00	1	34	27	3	2	3.19	PS					5.17	122.79
M0818	4.98	53	31	43.07	11.67	29.20	20.00	16.15	23.33	5.29	2.16	0.00	1.67	43.33	56.67	1	23	5	3	2	4.12	PS					4.98	215.78
M0819	13.74	44	22	98.96	27.00	51.93	34.00	3.43	4.00	15.24	1.87	0.44	1.50	38.00	66.50	6	26	4	3	2	2.64	PS					13.74	522.12
M0827	12.11	44	22P	127.64	40.00	50.58	33.50	6.85	7.50	12.18	4.35	2.30	6.00	41.00	87.00	1	5	10	3	2	2.98	PS					12.11	496.51
O0101	8.14	55	10	22.34	6.84	12.43	10.00	20.97	30.00	12.97	5.02	1.51	6.32	40.00	53.16	2	24	16	3	1	4.18	PS					8.14	325.60
O0104	26.86	41	21	12.29	4.50	12.76	9.50	8.78	12.00	8.79	2.69	0.88	4.00	21.50	30.00	1	21	14	3	1	3.17	PS					26.86	577.49
O0106	38.68	94	22P	59.79	21.00	40.23	26.50	9.52	14.00	13.01	4.99	2.44	6.00	40.50	67.50	2	8	13	3	1	3.45	PS					38.68	1,566.54
O0107	3.91	58	21	13.09	4.00	30.59	23.00	13.52	17.50	4.77	3.36	1.81	5.50	40.50	50.00	1	25	10	3	1	3.90	PS					3.91	158.36
O0109	30.72	58	31	17.62	5.50	18.71	13.00	15.97	22.00	6.10	5.31	2.75	8.00	35.00	48.50	3	21	19	3	1	3.99	PS					30.72	1,075.20
O0110	0.27	22	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.27	0.00
O0113	6.18	41	22P	61.47	18.33	31.27	20.00	2.81	3.33	0.00	0.00	0.00	0.00	23.33	41.67	1	27	0	3	1	2.63	PS					6.18	144.18
O0114	0.73	41	22P	77.71	26.00	44.34	28.00	3.82	5.00	1.43	1.59	1.44	2.50	33.00	61.50	2	25	6	3	1	2.85	PS					0.73	24.09
pp632*	8.32	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					8.32	0.00
pp962	0.05	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	NH					0.05	0.00
pp963	1.59	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	NH					1.59	0.00
	174.09																						**0.00**	**0.00**	**0.45**	**34.31**	**173.64**	**5,915.02**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0104	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					8.30	178.45
O0106	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					10.34	418.77
O0107	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.52	21.06
O0109	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					6.95	243.25
O0110	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.26	0.00
O0113	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					4.85	113.15
O0114	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.25	8.25
pp632*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					7.44	0.00
pp962	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.05	0.00
pp963	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.11	0.00
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**39.07**	**982.93**
M0811	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.08	8.00
M0819	2010	65557	Repair/ Upgrade Existing Training Area Roads					2.09	79.42
M0827	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.38	15.58
O0104	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.74	37.41
O0109	2010	65554	Construct Installation-Wide Roads, Paved					0.71	24.85
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**5.00**	**165.26**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**44.07**	**1,148.19**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**0.45**	**34.31**	**0.45**	**34.31**
Future Potential Habitat	**134.57**	**4,932.09**	**126.28**	**4,719.96**
SUB-TOTAL	**135.02**	**4,966.40**	**126.73**	**4,754.27**
non-contiguous habitat	**-3.29**	**-46.87**	**0.00**	**0.00**
TOTAL	**131.73**	**4,919.53**	**126.73**	**4,754.27**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22 = Slash Pine
22P = Longleaf Pine Plantation
31 = Loblolly Pine
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands O0113, O0114 and pp963 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from these stands were not considered.

Table D-127. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O02-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
N0137	4.78	44	31	31.26	9.52	8.94	6.19	15.83	28.10	3.53	9.36	3.46	10.95	34.29	54.76	1	33	34	3	1	0	4.78	163.91				
N0141	2.96	68	21	2.63	0.50	5.35	4.00	19.26	36.00	10.87	5.89	1.92	6.50	40.00	47.00	1	25	24	3	1	1	2.96	118.40				
O0209	4.07	38	66**	15.70	3.68	10.08	7.37	5.86	10.53	12.66	13.24	2.13	11.58	17.89	33.16	2	25	49	3	1	0					0.00	0.00
O0210	60.78	49	31	17.16	5.00	18.22	13.00	9.77	16.00	10.92	2.29	0.34	2.00	29.00	36.00	2	27	9	3	1	0					60.78	1,762.62
O0214	56.85	91	21	5.53	2.00	18.10	12.00	20.25	30.50	13.15	1.31	0.29	1.50	42.50	46.00	6	18	4	3	1	0			56.85	2,416.13		
O0215	4.56	34	13	34.04	10.00	34.52	22.50	8.18	10.00	0.00	0.00	1.88	2.50	32.50	45.00	8	33	4	3	1	0			4.56	148.20		
O0219	10.19	31	31P	81.41	20.00	11.43	7.50	5.47	8.00	2.85	0.00	0.00	0.00	15.50	35.50	6	25	0	3	1	0					10.19	157.95
O0220	41.62	72	21	13.10	3.68	26.75	19.47	19.23	27.37	10.86	2.42	0.67	3.16	46.84	53.68	1	19	6	3	1	1	41.62	1,949.48				
O0223	0.15	72	31	13.02	3.50	12.63	9.00	21.56	34.50	20.50	3.89	2.46	6.00	43.50	53.00	2	21	16	3	1	1	0.15	6.53				
O0315	5.14	38	31	42.88	12.50	25.77	18.50	14.20	19.50	0.00	0.00	0.45	0.50	38.00	51.00	1	43	1	3	1	0	5.14	195.32				
O0333	5.69	41	31	55.21	17.78	43.16	30.00	11.80	15.00	19.12	2.30	1.62	3.89	45.00	66.67	2	29	7	3	1	1	5.69	256.05				
pp534*	1.53	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.53	0.00
pp628*	2.27	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.27	0.00
pp629*	5.76	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.76	0.00
pp630*	0.08	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.08	0.00
pp752*	18.66	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					18.66	0.00
pp753*	3.63	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.63	0.00
	228.72																					**60.34**	**2,689.69**	**61.41**	**2,564.33**	**102.90**	**1,920.57**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0215	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			0.08	2.60		
O0315	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	2.26	85.88				
O0333	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	0.02	0.90				
pp752*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.12	0.00
			2009 SUB-TOTAL	**2.28**	**86.78**	**0.08**	**2.60**	**0.12**	**0.00**
O0215	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.23	7.48		
O0333	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.71	31.95				
pp752*	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.04	0.00
			2010 SUB-TOTAL	**0.71**	**31.95**	**0.23**	**7.48**	**1.04**	**0.00**
			TOTAL REMOVALS	**2.99**	**118.73**	**0.31**	**10.08**	**1.16**	**0.00**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**58.06**	**2,602.91**	**57.35**	**2,570.96**
Potentially Suitable Habitat	**61.33**	**2,561.73**	**61.10**	**2,554.25**
Future Potential Habitat	**102.78**	**1,920.57**	**101.74**	**1,920.57**
TOTAL	**222.17**	**7,085.21**	**220.19**	**7,045.78**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation
66** = Oak-Hickory (managed for hardwoods)

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-128. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O02-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
N0137	4.78	44	31	31.26	9.52	8.94	6.19	15.83	28.10	3.53	9.36	3.46	10.95	34.29	54.76	1	33	34	3	1	3.93	PS					4.78	163.91
N0141	2.96	68	21	2.63	0.50	5.35	4.00	19.26	36.00	10.87	5.89	1.92	6.50	40.00	47.00	1	25	24	3	1	4.33	PS			2.96	118.40		
O0209	4.07	38	66**	15.70	3.68	10.08	7.37	5.86	10.53	12.66	13.24	2.13	11.58	17.89	33.16	2	25	49	3	1	2.98	PS					0.00	0.00
O0210	60.78	49	31	17.16	5.00	18.22	13.00	9.77	16.00	10.92	2.29	0.34	2.00	29.00	36.00	2	27	9	3	1	3.51	PS					60.78	1,762.62
O0214	56.85	91	21	5.53	2.00	18.10	12.00	20.25	30.50	13.15	1.31	0.29	1.50	42.50	46.00	6	18	4	3	1	4.00	PS			56.85	2,416.13		
O0215	4.56	34	13	34.04	10.00	34.52	22.50	8.18	10.00	0.00	0.00	1.88	2.50	32.50	45.00	8	33	4	3	1	2.77	PS					4.56	148.20
O0219	10.19	31	31P	81.41	20.00	11.43	7.50	5.47	8.00	2.85	0.00	0.00	0.00	15.50	35.50	6	25	0	3	1	2.51	PS					10.19	157.95
O0220	41.62	72	21	13.10	3.68	26.75	19.47	19.23	27.37	10.86	2.42	0.67	3.16	46.84	53.68	1	19	6	3	1	4.23	PS			41.62	1,949.48		
O0223	0.15	72	31	13.02	3.50	12.63	9.00	21.56	34.50	20.50	3.89	2.46	6.00	43.50	53.00	2	21	16	3	1	4.33	PS			0.15	6.53		
O0315	5.14	38	31	42.88	12.50	25.77	18.50	14.20	19.50	0.00	0.00	0.45	0.50	38.00	51.00	1	43	1	3	1	3.70	PS					5.14	195.32
O0333	5.69	41	31	55.21	17.78	43.16	30.00	11.80	15.00	19.12	2.30	1.62	3.89	45.00	66.67	2	29	7	3	1	3.09	PS					5.69	256.05
pp534*	1.53	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.53	0.00
pp628*	2.27	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.27	0.00
pp629*	5.76	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					5.76	0.00
pp630*	0.08	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.08	0.00
pp752*	18.66	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					18.66	0.00
pp753*	3.63	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.63	0.00
	228.72																						**0.00**	**0.00**	**101.58**	**4,490.54**	**123.07**	**2,684.05**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0215	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.08	2.60
O0315	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					2.26	85.88
O0333	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.02	0.90
pp752*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.12	0.00
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**2.48**	**89.38**
O0215	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.23	7.48
O0333	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.71	31.95
pp752*	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.04	0.00
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**1.98**	**39.43**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**4.46**	**128.81**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**101.58**	**4,490.54**	**101.58**	**4,490.54**
Future Potential Habitat	**120.59**	**2,594.67**	**118.61**	**2,555.24**
TOTAL	**222.17**	**7,085.21**	**220.19**	**7,045.78**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation
66* = Oak-Hickory (managed for hardwoods)

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-129. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O03-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0101	16.37	55	10	22.34	6.84	12.43	10.00	20.97	30.00	12.97	5.02	1.51	6.32	40.00	53.16	2	24	16	3	1	0	16.37	654.80				
O0102	41.06	78	21	9.49	3.50	14.09	10.50	12.03	17.00	20.54	4.12	1.60	5.50	27.50	36.50	1	21	18	3	1	0					41.06	1,129.15
O0103	11.54	38	31	18.87	6.00	21.13	15.00	6.22	9.00	1.11	2.89	1.74	4.50	24.00	34.50	2	29	14	3	1	0					11.54	276.96
O0107	31.38	58	21	13.09	4.00	30.59	23.00	13.52	17.50	4.77	3.36	1.81	5.50	40.50	50.00	1	25	10	3	1	1	31.38	1,270.89				
O0109	0.63	58	31	17.62	5.50	18.71	13.00	15.97	22.00	6.10	5.31	2.75	8.00	35.00	48.50	3	21	19	3	1	0	0.63	22.05				
O0315	0.15	38	31	42.88	12.50	25.77	18.50	14.20	19.50	0.00	0.00	0.45	0.50	38.00	51.00	1	43	1	3	1	0	0.00	0.00				
O0326	18.00	39	10	31.81	9.00	19.49	13.00	8.12	12.50	26.74	5.21	1.88	6.00	25.50	40.50	6	19	20	3	1	0					0.00	0.00
O0333	9.08	41	31	55.21	17.78	43.16	30.00	11.80	15.00	19.12	2.30	1.62	3.89	45.00	66.67	2	29	7	3	1	1	0.00	0.00				
O0334	28.62	18	31P	267.23	52.00	0.00	0.00	0.00	0.00	3.85	0.00	0.00	0.00	0.00	52.00	1	35	0	3	1	0					0.00	0.00
O0340	4.44	41	22	26.17	9.00	46.44	33.00	10.22	12.00	5.10	0.55	1.24	2.50	45.00	56.50	4	30	3	3	1	1			4.44	199.80		
O0342	28.75	85	21	10.10	3.00	8.21	6.00	19.84	29.00	14.41	5.03	3.66	9.50	35.00	47.50	7	25	24	3	1	0			28.75	1,006.25		
O1501	0.76	49	10	99.81	25.00	21.42	15.00	3.82	5.00	24.18	9.22	10.08	21.67	20.00	66.67	1	10	43	3	1	0					0.76	15.20
O1503	1.20	69	31	12.18	4.50	26.55	20.00	19.68	28.00	2.57	1.99	0.42	2.50	48.00	55.00	1	37	5	3	1	1	1.20	57.60				
pp631*	5.16	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.16	0.00
	197.14																					**49.58**	**2,005.34**	**33.19**	**1,206.05**	**58.52**	**1,421.31**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0101	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	4.78	191.20				
O0102	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					28.62	787.05
O0103	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					6.62	158.88
O0107	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	15.48	626.94				
O0109	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	0.30	10.50				
O0340	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			0.54	24.30		
O0342	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			27.51	962.85		
pp631*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.95	0.00
			2009 SUB-TOTAL	**20.56**	**828.64**	**28.05**	**987.15**	**36.19**	**945.93**
O0107	2010	65554	Construct Installation - Wide Roads, Paved	1.06	42.93				
O1503	2010	65554	Construct Installation - Wide Roads, Paved	0.53	25.44				
			2010 SUB-TOTAL	**1.59**	**68.37**	**0.00**	**0.00**	**0.00**	**0.00**
			TOTAL REMOVALS	**22.15**	**897.01**	**28.05**	**987.15**	**36.19**	**945.93**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**29.02**	**1,176.70**	**23.53**	**932.83**
Potentially Suitable Habitat	**5.14**	**218.90**	**3.90**	**175.50**
Future Potential Habitat	**22.33**	**475.38**	**5.68**	**133.28**
SUB-TOTAL	**56.49**	**1,870.98**	**33.11**	**1,241.61**
non-contiguous habitat	**-21.79**	**-561.00**	**0.00**	**0.00**
TOTAL	**34.70**	**1,309.98**	**33.11**	**1,241.61**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22 = Slash Pine
31 = Loblolly Pine
31P = Loblolly Pine Plantation

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

A portion of stand O0342 and stands O0102, O0340 and pp631 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-130. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O03-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0101	16.37	55	10	22.34	6.84	12.43	10.00	20.97	30.00	12.97	5.02	1.51	6.32	40.00	53.16	2	24	16	3	1	4.18	PS					16.37	654.80
O0102	41.06	78	21	9.49	3.50	14.09	10.50	12.03	17.00	20.54	4.12	1.60	5.50	27.50	36.50	1	21	18	3	1	3.79	PS					41.06	1,129.15
O0103	11.54	38	31	18.87	6.00	21.13	15.00	6.22	9.00	1.11	2.89	1.74	4.50	24.00	34.50	2	29	14	3	1	2.89	PS					11.54	276.96
O0107	31.38	58	21	13.09	4.00	30.59	23.00	13.52	17.50	4.77	3.36	1.81	5.50	40.50	50.00	1	25	10	3	1	3.90	PS					31.38	1,270.89
O0109	0.63	58	31	17.62	5.50	18.71	13.00	15.97	22.00	6.10	5.31	2.75	8.00	35.00	48.50	3	21	19	3	1	3.99	PS					0.63	22.05
O0315	0.15	38	31	42.88	12.50	25.77	18.50	14.20	19.50	0.00	0.00	0.45	0.50	38.00	51.00	1	43	1	3	1	3.70	PS					0.00	0.00
O0326	18.00	39	10	31.81	9.00	19.49	13.00	8.12	12.50	26.74	5.21	1.88	6.00	25.50	40.50	6	19	20	3	1	2.67	PS					0.00	0.00
O0333	9.08	41	31	55.21	17.78	43.16	30.00	11.80	15.00	19.12	2.30	1.62	3.89	45.00	66.67	2	29	7	3	1	3.09	PS					0.00	0.00
O0334	28.62	18	31P	267.23	52.00	0.00	0.00	0.00	0.00	3.85	0.00	0.00	0.00	0.00	52.00	1	35	0	3	1	2.36	NH					0.00	0.00
O0340	4.44	41	22	26.17	9.00	46.44	33.00	10.22	12.00	5.10	0.55	1.24	2.50	45.00	56.50	4	30	3	3	1	3.33	PS					4.44	199.80
O0342	28.75	85	21	10.10	3.00	8.21	6.00	19.84	29.00	14.41	5.03	3.66	9.50	35.00	47.50	7	25	24	3	1	3.94	PS					28.75	1,006.25
O1501	0.76	49	10	99.81	25.00	21.42	15.00	3.82	5.00	24.18	9.22	10.08	21.67	20.00	66.67	1	10	43	3	1	2.65	NH					0.76	15.20
O1503	1.20	69	31	12.18	4.50	26.55	20.00	19.68	28.00	2.57	1.99	0.42	2.50	48.00	55.00	1	37	5	3	1	4.43	PS			1.20	57.60		
pp631*	5.16	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					5.16	0.00
	197.14																						**0.00**	**0.00**	**1.20**	**57.60**	**140.09**	**4,575.10**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0101	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					4.78	191.20
O0102	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					28.62	787.05
O0103	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					6.62	158.88
O0107	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					15.48	626.94
O0109	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.30	10.50
O0340	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.54	24.30
O0342	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					27.51	962.85
pp631*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.95	0.00
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**84.80**	**2,761.72**
O0107	2010	65554	Construct Installation - Wide Roads, Paved					1.06	42.93
O1503	2010	65554	Construct Installation - Wide Roads, Paved			0.53	25.44		
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.53**	**25.44**	**1.06**	**42.93**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.53**	**25.44**	**85.86**	**2,804.65**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	0.00	**0.00**	0.00	**0.00**
Potentially Suitable Habitat	**1.20**	**57.60**	**0.67**	**32.16**
Future Potential Habitat	**55.29**	**1,813.38**	**32.44**	**1,209.45**
SUB-TOTAL	**56.49**	**1,870.98**	**33.11**	**1,241.61**
non-contiguous habitat	**-21.79**	**-561.00**	0.00	0.00
TOTAL	**34.70**	**1,309.98**	**33.11**	**1,241.61**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22 = Slash Pine
31 = Loblolly Pine
31P = Loblolly Pine Plantation

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

A portion of stand O0342 and stands O0102, O0340 and pp631 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-131. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O03-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
N0101	5.17	74	21	9.55	3.50	8.65	6.00	13.65	23.50	1.43	1.27	0.78	2.00	29.50	35.00	5	28	8	3	1	0					5.17	152.52
N0107	2.04	62	21	13.22	4.44	14.33	11.11	11.60	22.22	5.47	2.08	1.60	4.44	33.33	42.22	2	39	12	3	1	0	2.04	67.99				
N0109	8.03	62	22P	2.63	1.11	31.35	22.22	12.58	17.78	2.36	5.16	0.00	3.33	40.00	44.44	2	41	11	3	1	0	8.03	321.20				
O0301	44.47	79	26	7.97	2.00	12.80	9.50	20.61	30.00	2.82	0.00	0.45	0.50	39.50	42.00	1	33	1	3	1	0	44.47	1,756.57				
O0301	0.01	79	26	7.97	2.00	12.80	9.50	20.61	30.00	2.82	0.00	0.45	0.50	39.50	42.00	1	33	1	3	1	0	0.01	0.40				
O0303	40.58	93	21	14.69	4.50	12.74	9.50	16.77	26.50	10.95	0.00	0.00	0.00	36.00	40.50	1	35	0	3	1	0	40.58	1,460.88				
O0305	0.75	45	31	32.21	9.00	26.95	19.50	17.47	26.00	17.14	2.81	0.77	3.50	45.50	58.00	1	28	7	3	1	1	0.75	34.13				
O0306	11.72	46	22P	43.22	14.50	24.51	17.00	9.91	12.50	5.94	0.00	0.00	0.00	29.50	44.00	5	30	0	3	1	0					11.72	345.74
O0306	0.01	46	22P	43.22	14.50	24.51	17.00	9.91	12.50	5.94	0.00	0.00	0.00	29.50	44.00	5	30	0	3	1	0					0.01	0.30
O0513	4.44	65	31	45.34	14.00	31.36	21.00	20.67	30.50	9.77	0.00	0.83	1.00	51.50	66.50	1	22	2	3	1	1	4.44	228.66				
O0527	10.73	65	31	29.99	7.50	4.99	3.50	4.63	8.00	5.02	1.83	1.06	2.50	11.50	21.50	1	27	23	3	1	0					10.73	123.40
O0529	15.24	65	21	8.87	2.63	21.83	14.74	20.40	34.74	1.51	1.75	0.32	1.58	49.47	53.68	2	33	5	3	1	1	15.24	753.92				
O0530	0.02	54	21	10.21	2.00	12.76	9.50	17.25	27.50	1.93	0.00	0.00	0.00	37.00	39.00	1	29	0	3	1	0	0.02	0.74				
pp345*	1.75	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.75	0.00
pp376*	6.05	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					6.05	0.00
pp697*	0.30	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.30	0.00
pp810*	4.27	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.27	0.00
pp811*	0.60	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.60	0.00
	156.18																					**115.58**	**4,624.49**	**0.00**	**0.00**	**40.60**	**621.96**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
N0109	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.04	1.60				
O0301	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.51	20.15				
O0301	2010	65554	Construct Installation-Wide Roads, Paved	4.38	173.01				
O0303	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.99	35.64				
O0306	2010	65554	Construct Installation-Wide Roads, Paved					1.97	58.12
O0527	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.76	8.74
O0529	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.93	46.01				
O0529	2010	65554	Construct Installation-Wide Roads, Paved	1.06	52.44				
O0530	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.02	0.74				
pp811*	2010	65554	Construct Installation-Wide Roads, Paved					0.10	0.00
			TOTAL REMOVALS	**7.93**	**329.59**	**0.00**	**0.00**	**2.83**	**66.86**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**107.65**	**4,294.90**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**37.77**	**555.10**
TOTAL	**145.42**	**4,850.00**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-132. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O03-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
N0101	5.17	74	21	9.55	3.50	8.65	6.00	13.65	23.50	1.43	1.27	0.78	2.00	29.50	35.00	5	28	8	3	1	3.85	PS					5.17	152.52
N0107	2.04	62	21	13.22	4.44	14.33	11.11	11.60	22.22	5.47	2.08	1.60	4.44	33.33	42.22	2	39	12	3	1	4.08	PS					2.04	67.99
N0109	8.03	62	22P	2.63	1.11	31.35	22.22	12.58	17.78	2.36	5.16	0.00	3.33	40.00	44.44	2	41	11	3	1	4.09	PS					8.03	321.20
O0301	44.47	79	26	7.97	2.00	12.80	9.50	20.61	30.00	2.82	0.00	0.45	0.50	39.50	42.00	1	33	1	3	1	4.38	PS					44.47	1,756.57
O0301	0.01	79	26	7.97	2.00	12.80	9.50	20.61	30.00	2.82	0.00	0.45	0.50	39.50	42.00	1	33	1	3	1	4.38	PS					0.01	0.40
O0303	40.58	93	21	14.69	4.50	12.74	9.50	16.77	26.50	10.95	0.00	0.00	0.00	36.00	40.50	1	35	0	3	1	4.23	PS					40.58	1,460.88
O0305	0.75	45	31	32.21	9.00	26.95	19.50	17.47	26.00	17.14	2.81	0.77	3.50	45.50	58.00	1	28	7	3	1	3.88	PS					0.75	34.13
O0306	11.72	46	22P	43.22	14.50	24.51	17.00	9.91	12.50	5.94	0.00	0.00	0.00	29.50	44.00	5	30	0	3	1	3.17	PS					11.72	345.74
O0306	0.01	46	22P	43.22	14.50	24.51	17.00	9.91	12.50	5.94	0.00	0.00	0.00	29.50	44.00	5	30	0	3	1	3.17	PS					0.01	0.30
O0513	4.44	65	31	45.34	14.00	31.36	21.00	20.67	30.50	9.77	0.00	0.83	1.00	51.50	66.50	1	22	2	3	1	4.25	PS			4.44	228.66		
O0527	10.73	65	31	29.99	7.50	4.99	3.50	4.63	8.00	5.02	1.83	1.06	2.50	11.50	21.50	1	27	23	3	1	3.08	PS					10.73	123.40
O0529	15.24	65	21	8.87	2.63	21.83	14.74	20.40	34.74	1.51	1.75	0.32	1.58	49.47	53.68	2	33	5	3	1	4.43	PS			15.24	753.92		
O0530	0.02	54	21	10.21	2.00	12.76	9.50	17.25	27.50	1.93	0.00	0.00	0.00	37.00	39.00	1	29	0	3	1	3.99	PS					0.02	0.74
pp345*	1.75	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.75	0.00
pp376*	6.05	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					6.05	0.00
pp697*	0.30	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.30	0.00
pp810*	4.28	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.28	0.00
pp811*	0.60	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.60	0.00
	156.18																						**0.00**	**0.00**	**19.68**	**982.58**	**136.50**	**4,263.87**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
N0109	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.04	1.60		
O0301	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.51	20.15
O0301	2010	65554	Construct Installation-Wide Roads, Paved					4.38	173.01
O0303	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.99	35.64
O0306	2010	65554	Construct Installation-Wide Roads, Paved					1.97	58.12
O0527	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.76	8.74
O0529	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.93	46.01		
O0529	2010	65554	Construct Installation-Wide Roads, Paved			1.06	52.44		
O0530	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.02	0.74
pp811*	2010	65554	Construct Installation-Wide Roads, Paved					0.10	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**2.03**	**100.05**	**8.73**	**296.40**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**17.65**	**882.53**
Future Potential Habitat	**127.77**	**3,967.47**
TOTAL	**145.42**	**4,850.00**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-133. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O03-03**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0314	7.84	41	22P	25.52	9.50	29.95	20.50	8.34	10.50	3.91	0.00	0.28	0.50	31.00	41.00	1	32	1	3	1	0	0.00	0.00				
O0327	7.46	44	31	26.57	7.00	19.70	15.50	18.48	25.50	2.10	1.33	0.46	1.50	41.00	49.50	2	32	4	3	1	1	0.00	0.00				
O0332	22.59	75	31	3.71	1.50	22.98	17.50	23.89	34.50	2.55	0.94	0.00	0.50	52.00	54.00	3	27	2	3	1	1	22.59	1,174.68				
O0336	15.03	19	21	23.90	6.50	22.37	17.00	16.40	22.50	3.59	1.36	1.58	3.00	39.50	49.00	2	39	7	3	1	0					15.03	593.69
O0338	8.30	81	21	14.70	4.50	13.42	10.00	16.75	26.50	3.75	4.51	0.25	3.50	36.50	44.50	2	35	14	3	1	0	8.30	302.95				
O0409	19.44	41	26	22.84	7.50	17.97	13.00	6.54	8.50	2.34	1.64	1.63	3.50	21.50	32.50	1	29	12	3	1	0					19.44	417.96
O0416	5.00	48	31	22.04	7.50	40.50	29.50	16.25	20.00	1.24	5.31	2.28	7.00	49.50	64.00	1	20	12	3	1	1	5.00	247.50				
O0417	0.35	48	21	26.93	6.50	15.45	11.00	11.58	17.00	11.69	0.00	1.63	2.00	28.00	36.50	5	24	6	3	1	0					0.35	9.80
O0421	10.44	62	21	23.69	5.71	17.07	12.38	14.24	21.43	0.00	0.00	0.46	0.48	33.81	40.00	1	36	1	3	1	0	10.44	352.98				
O0426	13.72	10	21P	16.81	4.00	10.83	8.00	3.55	5.00	10.37	3.69	3.42	8.00	13.00	25.00	4	28	33	3	1	0					13.72	178.36
O0428	1.02	55	25	12.64	4.50	28.99	20.50	5.61	6.50	2.55	0.00	0.00	0.00	27.00	31.50	1	36	0	3	1	0					1.02	27.54
O0429	0.02	61	26P	30.91	9.50	16.50	12.50	11.19	15.00	13.49	1.96	0.50	2.50	27.50	39.50	1	28	8	3	1	0					0.02	0.55
pp432*	1.56	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.56	0.00
pp461*	26.78	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					26.78	0.00
pp489*	27.34	18	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					27.34	0.00
pp490*	24.22	18	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					24.22	0.00
pp813*	0.64	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.64	0.00
	191.75																					**46.33**	**2,078.11**	**0.00**	**0.00**	**130.12**	**1,227.90**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0332	2010	65554	Construct Installation-Wide Roads, Paved	1.23	63.96				
O0332	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.59	30.68				
O0336	2010	65554	Construct Installation-Wide Roads, Paved					0.21	8.30
O0338	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.33	48.55				
O0409	2010	65554	Construct Installation-Wide Roads, Paved					0.13	2.80
O0409	2010	65557	Repair/ Upgrade Existing Training Area Roads					2.05	44.08
O0426	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.05	13.65
pp432*	2010	65554	Construct Installation-Wide Roads, Paved					0.49	0.00
pp461*	2010	65554	Construct Installation-Wide Roads, Paved					4.20	0.00
pp461*	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.36	0.00
pp813*	2010	65554	Construct Installation-Wide Roads, Paved					0.12	0.00
			TOTAL REMOVALS	**3.15**	**143.19**	**0.00**	**0.00**	**9.61**	**68.83**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**43.18**	**1,934.92**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**120.51**	**1,159.07**
TOTAL	**163.69**	**3,093.99**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-134. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O03-03**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0314	7.84	41	22P	25.52	9.50	29.95	20.50	8.34	10.50	3.91	0.00	0.28	0.50	31.00	41.00	1	32	1	3	1	3.31	PS					0.00	0.00
O0327	7.46	44	31	26.57	7.00	19.70	15.50	18.48	25.50	2.10	1.33	0.46	1.50	41.00	49.50	2	32	4	3	1	4.13	PS					0.00	0.00
O0332	22.59	75	31	3.71	1.50	22.98	17.50	23.89	34.50	2.55	0.94	0.00	0.50	52.00	54.00	3	27	2	3	1	4.33	PS			22.59	1,174.68		
O0336	15.03	19	21	23.90	6.50	22.37	17.00	16.40	22.50	3.59	1.36	1.58	3.00	39.50	49.00	2	39	7	3	1	3.66	NH					15.03	593.69
O0338	8.30	81	21	14.70	4.50	13.42	10.00	16.75	26.50	3.75	4.51	0.25	3.50	36.50	44.50	2	35	14	3	1	4.23	PS					8.30	302.95
O0409	19.44	41	26	22.84	7.50	17.97	13.00	6.54	8.50	2.34	1.64	1.63	3.50	21.50	32.50	1	29	12	3	1	3.01	PS					19.44	417.96
O0416	5.00	48	31	22.04	7.50	40.50	29.50	16.25	20.00	1.24	5.31	2.28	7.00	49.50	64.00	1	20	12	3	1	3.79	PS					5.00	247.50
O0417	0.35	48	21	26.93	6.50	15.45	11.00	11.58	17.00	11.69	0.00	1.63	2.00	28.00	36.50	5	24	6	3	1	3.25	PS					0.35	9.80
O0421	10.44	62	21	23.69	5.71	17.07	12.38	14.24	21.43	0.00	0.00	0.46	0.48	33.81	40.00	1	36	1	3	1	4.22	PS					10.44	352.98
O0426	13.72	10	21P	16.81	4.00	10.83	8.00	3.55	5.00	10.37	3.69	3.42	8.00	13.00	25.00	4	28	33	3	1	2.43	NH					13.72	178.36
O0428	1.02	55	25	12.64	4.50	28.99	20.50	5.61	6.50	2.55	0.00	0.00	0.00	27.00	31.50	1	36	0	3	1	3.32	PS					1.02	27.54
O0429	0.02	61	26P	30.91	9.50	16.50	12.50	11.19	15.00	13.49	1.96	0.50	2.50	27.50	39.50	1	28	8	3	1	3.76	PS					0.02	0.55
pp432*	1.56	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.56	0.00
pp461*	26.78	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					26.78	0.00
pp489*	27.34	18	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					27.34	0.00
pp490*	24.22	18	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					24.22	0.00
pp813*	0.64	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.64	0.00
	191.75																						**0.00**	**0.00**	**22.59**	**1,174.68**	**153.86**	**2,131.33**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0332	2010	65554	Construct Installation-Wide Roads, Paved			1.23	63.96		
O0332	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.59	30.68		
O0336	2010	65554	Construct Installation-Wide Roads, Paved					0.21	8.30
O0338	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.33	48.55
O0409	2010	65554	Construct Installation-Wide Roads, Paved					0.13	2.80
O0409	2010	65557	Repair/ Upgrade Existing Training Area Roads					2.05	44.08
O0426	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.05	13.65
pp432*	2010	65554	Construct Installation-Wide Roads, Paved					0.49	0.00
pp461*	2010	65554	Construct Installation-Wide Roads, Paved					4.20	0.00
pp461*	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.36	0.00
pp813*	2010	65554	Construct Installation-Wide Roads, Paved					0.12	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**1.82**	**94.64**	**10.94**	**117.38**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**20.77**	**1,080.04**
Future Potential Habitat	**142.92**	**2,013.95**
TOTAL	**163.69**	**3,093.99**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine

* Note: No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-135. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O03-04**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0102	0.03	78	21	9.49	3.50	14.09	10.50	12.03	17.00	20.54	4.12	1.60	5.50	27.50	36.50	1	21	18	3	1	0					0.00	0.00
O0327	1.96	44	31	26.57	7.00	19.70	15.50	18.48	25.50	2.10	1.33	0.46	1.50	41.00	49.50	2	32	4	3	1	1	0.00	0.00				
O0336	18.42	19	21	23.90	6.50	22.37	17.00	16.40	22.50	3.59	1.36	1.58	3.00	39.50	49.00	2	39	7	3	1	0					18.42	727.59
O0338	15.78	81	21	14.70	4.50	13.42	10.00	16.75	26.50	3.75	4.51	0.25	3.50	36.50	44.50	2	35	14	3	1	0	15.78	575.97				
O0342	0.14	85	21	10.10	3.00	8.21	6.00	19.84	29.00	14.41	5.03	3.66	9.50	35.00	47.50	7	25	24	3	1	0			0.00	0.00		
O0343	2.48	66	31P	535.57	115.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	115.00	1	40	0	3	1	0					0.00	0.00
O0344	12.62	19	31P	56.26	16.84	10.14	7.37	12.37	18.42	0.00	0.00	0.00	0.00	25.79	42.63	6	17	0	3	1	0					12.62	325.47
O0426	0.19	10	21P	16.81	4.00	10.83	8.00	3.55	5.00	10.37	3.69	3.42	8.00	13.00	25.00	4	28	33	3	1	0					0.19	2.47
O0428	0.89	55	25	12.64	4.50	28.99	20.50	5.61	6.50	2.55	0.00	0.00	0.00	27.00	31.50	1	36	0	3	1	0					0.89	24.03
O0429	0.06	61	26P	30.91	9.50	16.50	12.50	11.19	15.00	13.49	1.96	0.50	2.50	27.50	39.50	1	28	8	3	1	0					0.06	1.65
O0430	6.80	55	31	20.19	7.50	16.97	12.00	9.67	16.00	4.06	4.49	0.37	3.50	28.00	39.00	1	37	15	3	1	0					6.80	190.40
O1102	8.40	63	21	66.69	16.25	21.34	15.00	12.50	17.50	5.77	5.63	4.21	10.00	32.50	58.75	2	18	23	3	1	0	8.40	273.00				
O1103	6.77	51	31	97.61	30.00	39.25	28.33	10.05	11.67	12.62	4.35	2.68	6.67	40.00	76.67	1	18	12	3	1	0			6.77	270.80		
O1105	36.76	24	31	165.94	46.00	34.25	21.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00	67.00	1	27	0	3	1	0					36.76	771.96
O1107	6.78	50	31	34.78	10.50	21.21	14.50	10.87	18.50	18.12	5.11	1.15	5.00	33.00	48.50	1	38	16	3	1	0	6.78	223.74				
O1114	5.79	64	66**	13.86	3.50	1.14	1.00	5.33	8.00	28.53	17.15	4.29	16.50	9.00	29.00	6	23	77	3	1	0					0.00	0.00
O1115	0.01	73	31	71.97	20.53	28.95	20.00	10.59	14.21	20.28	8.07	1.42	7.37	34.21	62.11	1	21	19	3	1	0			0.00	0.00		
O1501	5.23	49	10	99.81	25.00	21.42	15.00	3.82	5.00	24.18	9.22	10.08	21.67	20.00	66.67	1	10	43	3	1	0					0.00	0.00
O1503	6.10	69	31	12.18	4.50	26.55	20.00	19.68	28.00	2.57	1.99	0.42	2.50	48.00	55.00	1	37	5	3	1	1	0.00	0.00				
pp383	2.36	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp385	8.06	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					8.06	0.00
pp432	2.41	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp488	53.04	18	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					53.04	0.00
pp489	2.73	18	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp633	3.03	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp634	8.10	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
	214.94																					**30.96**	**1,072.71**	**6.77**	**270.80**	**136.84**	**2,043.57**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0336	2010	65554	Construct Installation-Wide Roads, Paved					1.21	47.80
O0338	2010	65554	Construct Installation-Wide Roads, Paved	0.59	21.54				
O0338	2010	65557	Repair Existing Training Area Roads	0.54	19.71				
O0344	2010	65554	Construct Installation-Wide Roads, Paved					3.45	88.98
O0426	2010	65557	Repair Existing Training Area Roads					0.07	0.91
O0428	2010	65557	Repair Existing Training Area Roads					0.12	3.24
O0430	2010	65554	Construct Installation-Wide Roads, Paved					0.01	0.28
O0430	2010	65557	Repair Existing Training Area Roads					0.80	22.40
O1102	2010	65554	Construct Installation-Wide Roads, Paved	0.42	13.65				
O1105	2010	65554	Construct Installation-Wide Roads, Paved					0.26	5.46
O1107	2010	65554	Construct Installation-Wide Roads, Paved	0.52	17.16				
pp385*	2010	65554	Construct Installation-Wide Roads, Paved					1.87	0.00
pp385*	2010	65557	Repair Existing Training Area Roads					0.30	0.00
pp488*	2010	65554	Construct Installation-Wide Roads, Paved					6.05	0.00
			TOTAL REMOVALS	**2.07**	**72.06**	**0.00**	**0.00**	**14.14**	**169.07**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**28.89**	**1,000.65**
Potentially Suitable Habitat	**6.77**	**270.80**
Future Potential Habitat	**122.70**	**1,874.50**
TOTAL	**158.36**	**3,145.95**

Key:

BA= basal area
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
2=growing season

Stand Score
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation
66** = Oak-Hickdory (managed for hardwoods)

* Note: No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-136. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O03-04**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0102	0.03	78	21	9.49	3.50	14.09	10.50	12.03	17.00	20.54	4.12	1.60	5.50	27.50	36.50	1	21	18	3	1	3.79	PS					0.00	0.00
O0327	1.96	44	31	26.57	7.00	19.70	15.50	18.48	25.50	2.10	1.33	0.46	1.50	41.00	49.50	2	32	4	3	1	4.13	PS					0.00	0.00
O0336	18.42	19	21	23.90	6.50	22.37	17.00	16.40	22.50	3.59	1.36	1.58	3.00	39.50	49.00	2	39	7	3	1	3.66	NH					18.42	727.59
O0338	15.78	81	21	14.70	4.50	13.42	10.00	16.75	26.50	3.75	4.51	0.25	3.50	36.50	44.50	2	35	14	3	1	4.23	PS					15.78	575.97
O0342	0.14	85	21	10.10	3.00	8.21	6.00	19.84	29.00	14.41	5.03	3.66	9.50	35.00	47.50	7	25	24	3	1	3.94	PS					0.00	0.00
O0343	2.48	66	31P	535.57	115.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	115.00	1	40	0	3	1	3.01	PS					0.00	0.00
O0344	12.62	19	31P	56.26	16.84	10.14	7.37	12.37	18.42	0.00	0.00	0.00	0.00	25.79	42.63	6	17	0	3	1	2.75	NH					12.62	325.47
O0426	0.19	10	21P	16.81	4.00	10.83	8.00	3.55	5.00	10.37	3.69	3.42	8.00	13.00	25.00	4	28	33	3	1	2.43	NH					0.19	2.47
O0428	0.89	55	25	12.64	4.50	28.99	20.50	5.61	6.50	2.55	0.00	0.00	0.00	27.00	31.50	1	36	0	3	1	3.32	PS					0.89	24.03
O0429	0.06	61	26P	30.91	9.50	16.50	12.50	11.19	15.00	13.49	1.96	0.50	2.50	27.50	39.50	1	28	8	3	1	3.76	PS					0.06	1.65
O0430	6.80	55	31	20.19	7.50	16.97	12.00	9.67	16.00	4.06	4.49	0.37	3.50	28.00	39.00	1	37	15	3	1	3.74	PS					6.80	190.40
O1102	8.40	63	21	66.69	16.25	21.34	15.00	12.50	17.50	5.77	5.63	4.21	10.00	32.50	58.75	2	18	23	3	1	3.58	PS					8.40	273.00
O1103	6.77	51	31	97.61	30.00	39.25	28.33	10.05	11.67	12.62	4.35	2.68	6.67	40.00	76.67	1	18	12	3	1	3.36	PS					6.77	270.80
O1105	36.76	24	31	165.94	46.00	34.25	21.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00	67.00	1	27	0	3	1	2.31	NH					36.76	771.96
O1107	6.78	50	31	34.78	10.50	21.21	14.50	10.87	18.50	18.12	5.11	1.15	5.00	33.00	48.50	1	38	16	3	1	3.74	PS					6.78	223.74
O1114	5.79	64	66**	13.86	3.50	1.14	1.00	5.33	8.00	28.53	17.15	4.29	16.50	9.00	29.00	6	23	77	3	1	3.03	PS					0.00	0.00
O1115	0.01	73	31	71.97	20.53	28.95	20.00	10.59	14.21	20.28	8.07	1.42	7.37	34.21	62.11	1	21	19	3	1	3.60	PS					0.00	0.00
O1501	5.23	49	10	99.81	25.00	21.42	15.00	3.82	5.00	24.18	9.22	10.08	21.67	20.00	66.67	1	10	43	3	1	2.65	PS					0.00	0.00
O1503	6.10	69	31	12.18	4.50	26.55	20.00	19.68	28.00	2.57	1.99	0.42	2.50	48.00	55.00	1	37	5	3	1	4.43	PS			0.00	0.00		
pp383	2.36	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp385	8.06	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					8.06	0.00
pp432	2.41	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp488	53.04	18	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					53.04	0.00
pp489	2.73	18	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp633	3.03	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp634	8.10	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
	214.94																						**0.00**	**0.00**	**0.00**	**0.00**	**174.57**	**3,387.08**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0336	2010	65554	Construct Installation-Wide Roads, Paved					1.21	47.80
O0338	2010	65554	Construct Installation-Wide Roads, Paved					0.59	21.54
O0338	2010	65557	Repair Existing Training Area Roads					0.54	19.71
O0344	2010	65554	Construct Installation-Wide Roads, Paved					3.45	88.98
O0426	2010	65557	Repair Existing Training Area Roads					0.07	0.91
O0428	2010	65557	Repair Existing Training Area Roads					0.12	3.24
O0430	2010	65554	Construct Installation-Wide Roads, Paved					0.01	0.28
O0430	2010	65557	Repair Existing Training Area Roads					0.80	22.40
O1102	2010	65554	Construct Installation-Wide Roads, Paved					0.42	13.65
O1105	2010	65554	Construct Installation-Wide Roads, Paved					0.26	5.46
O1107	2010	65554	Construct Installation-Wide Roads, Paved					0.52	17.16
pp385*	2010	65554	Construct Installation-Wide Roads, Paved					1.87	0.00
pp385*	2010	65557	Repair Existing Training Area Roads					0.30	0.00
pp488*	2010	65554	Construct Installation-Wide Roads, Paved					6.05	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**16.21**	**241.13**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**158.36**	**3,145.95**
TOTAL	**158.36**	**3,145.95**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation
66** = Oak-Hickdory (managed for hardwoods)

* Note: No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-137. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O03-05**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
N0101	1.06	74	21	9.55	3.50	8.65	6.00	13.65	23.50	1.43	1.27	0.78	2.00	29.50	35.00	5	28	8	3	1	0					1.06	31.27
N0105	12.75	53	21	22.19	8.00	14.38	10.50	14.67	21.50	4.53	1.28	0.88	2.50	32.00	42.50	2	37	7	3	1	0	12.75	408.00				
N0107	7.70	62	21	13.22	4.44	14.33	11.11	11.60	22.22	5.47	2.08	1.60	4.44	33.33	42.22	2	39	12	3	1	0	7.70	256.64				
N0109	0.99	62	22P	2.63	1.11	31.35	22.22	12.58	17.78	2.36	5.16	0.00	3.33	40.00	44.44	2	41	11	3	1	0	0.99	39.60				
N0110	27.25	78	21	10.97	4.00	11.58	9.00	28.47	46.50	3.95	2.04	0.45	2.50	55.50	62.00	2	43	6	3	1	1	27.25	1,512.38				
N0114	19.19	84	31	63.02	21.00	35.03	23.00	10.29	16.50	6.74	8.05	0.48	5.50	39.50	66.00	5	27	16	3	1	0			19.19	758.01		
N0121	3.20	42	22P	45.49	15.50	50.49	34.50	3.66	4.50	0.00	0.00	0.00	0.00	39.00	54.50	2	38	0	3	1	0	3.20	124.80				
O0201	27.57	70	21	19.03	4.50	5.90	5.00	21.49	34.00	1.36	0.50	0.00	0.50	39.00	44.00	1	18	2	3	1	0	27.57	1,075.23				
O0202	6.57	70	21	64.72	16.25	17.19	11.25	6.10	8.75	18.24	1.30	1.49	3.75	20.00	40.00	2	26	11	3	1	0					6.57	131.40
O0204	7.07	70	31	17.20	4.50	14.29	10.00	12.50	24.50	6.00	0.76	0.97	3.00	34.50	42.00	7	27	6	3	1	0			7.07	243.92		
O0206	8.04	38	31	5.76	2.00	28.35	20.00	3.71	5.00	8.11	4.86	0.00	3.00	25.00	30.00	2	38	13	3	1	0					8.04	201.00
O0208	18.19	55	26	21.54	6.00	15.86	12.00	16.66	27.00	5.58	2.30	1.39	4.00	39.00	49.00	7	30	10	3	1	0			18.19	709.41		
O0209	1.94	38	66**	15.70	3.68	10.08	7.37	5.86	10.53	12.66	13.24	2.13	11.58	17.89	33.16	2	25	49	3	1	0					0.00	0.00
O0301	14.94	79	26	7.97	2.00	12.80	9.50	20.61	30.00	2.82	0.00	0.45	0.50	39.50	42.00	1	33	1	3	1	0	14.94	590.13				
O0305	43.13	45	31	32.21	9.00	26.95	19.50	17.47	26.00	17.14	2.81	0.77	3.50	45.50	58.00	1	28	7	3	1	1	43.13	1,962.42				
O0306	9.12	46	22P	43.22	14.50	24.51	17.00	9.91	12.50	5.94	0.00	0.00	0.00	29.50	44.00	5	30	0	3	1	0					9.12	269.04
O0310	17.65	38	31	12.73	4.00	24.12	17.50	10.70	15.00	10.48	2.47	1.40	3.50	32.50	40.00	1	40	10	3	1	0	17.65	573.63				
O0315	0.55	38	31	42.88	12.50	25.77	18.50	14.20	19.50	0.00	0.00	0.45	0.50	38.00	51.00	1	43	1	3	1	0	0.55	20.90				
pp698*	4.05	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.05	0.00
pp699*	9.26	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					9.26	0.00
pp700*	2.33	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.33	0.00
pp751*	12.72	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					12.72	0.00
pp811*	9.42	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					9.42	0.00
pp812*	11.61	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					11.61	0.00
	276.30																					**155.72**	**6,563.73**	**44.45**	**1,711.34**	**74.19**	**632.71**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0201	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.63	24.57				
O0206	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.66	16.50
O0305	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.08	49.14				
O0310	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.18	38.35				
O0315	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.04	1.52				
pp751*	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.65	0.00
pp811*	2010	65554	Construct Installation-Wide Roads, Paved					0.02	0.00
			TOTAL REMOVALS	**2.93**	**113.58**	**0.00**	**0.00**	**1.33**	**16.50**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**152.79**	**6,450.15**
Potentially Suitable Habitat	**44.45**	**1,711.34**
Future Potential Habitat	**72.86**	**616.21**
TOTAL	**270.10**	**8,777.70**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
66** = Oak-Hickory (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-138. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O03-05**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
N0101	1.06	74	21	9.55	3.50	8.65	6.00	13.65	23.50	1.43	1.27	0.78	2.00	29.50	35.00	5	28	8	3	1	3.85	PS					1.06	31.27
N0105	12.75	53	21	22.19	8.00	14.38	10.50	14.67	21.50	4.53	1.28	0.88	2.50	32.00	42.50	2	37	7	3	1	4.03	PS					12.75	408.00
N0107	7.70	62	21	13.22	4.44	14.33	11.11	11.60	22.22	5.47	2.08	1.60	4.44	33.33	42.22	2	39	12	3	1	4.08	PS					7.70	256.64
N0109	0.99	62	22P	2.63	1.11	31.35	22.22	12.58	17.78	2.36	5.16	0.00	3.33	40.00	44.44	2	41	11	3	1	4.09	PS					0.99	39.60
N0110	27.25	78	21	10.97	4.00	11.58	9.00	28.47	46.50	3.95	2.04	0.45	2.50	55.50	62.00	2	43	6	3	1	4.53	CS	27.25	1,512.38				
N0114	19.19	84	31	63.02	21.00	35.03	23.00	10.29	16.50	6.74	8.05	0.48	5.50	39.50	66.00	5	27	16	3	1	3.51	PS					19.19	758.01
N0121	3.20	42	22P	45.49	15.50	50.49	34.50	3.66	4.50	0.00	0.00	0.00	0.00	39.00	54.50	2	38	0	3	1	2.86	PS					3.20	124.80
O0201	27.57	70	21	19.03	4.50	5.90	5.00	21.49	34.00	1.36	0.50	0.00	0.50	39.00	44.00	1	18	2	3	1	4.18	PS					27.57	1,075.23
O0202	6.57	70	21	64.72	16.25	17.19	11.25	6.10	8.75	18.24	1.30	1.49	3.75	20.00	40.00	2	26	11	3	1	3.20	PS					6.57	131.40
O0204	7.07	70	31	17.20	4.50	14.29	10.00	12.50	24.50	6.00	0.76	0.97	3.00	34.50	42.00	7	27	6	3	1	3.63	PS					7.07	243.92
O0206	8.04	38	31	5.76	2.00	28.35	20.00	3.71	5.00	8.11	4.86	0.00	3.00	25.00	30.00	2	38	13	3	1	2.84	PS					8.04	201.00
O0208	18.19	55	26	21.54	6.00	15.86	12.00	16.66	27.00	5.58	2.30	1.39	4.00	39.00	49.00	7	30	10	3	1	3.74	PS					18.19	709.41
O0209	1.94	38	66**	15.70	3.68	10.08	7.37	5.86	10.53	12.66	13.24	2.13	11.58	17.89	33.16	2	25	49	3	1	2.98	PS					0.00	0.00
O0301	14.94	79	26	7.97	2.00	12.80	9.50	20.61	30.00	2.82	0.00	0.45	0.50	39.50	42.00	1	33	1	3	1	4.38	PS					14.94	590.13
O0305	43.13	45	31	32.21	9.00	26.95	19.50	17.47	26.00	17.14	2.81	0.77	3.50	45.50	58.00	1	28	7	3	1	3.88	PS					43.13	1,962.42
O0306	9.12	46	22P	43.22	14.50	24.51	17.00	9.91	12.50	5.94	0.00	0.00	0.00	29.50	44.00	5	30	0	3	1	3.17	PS					9.12	269.04
O0310	17.65	38	31	12.73	4.00	24.12	17.50	10.70	15.00	10.48	2.47	1.40	3.50	32.50	40.00	1	40	10	3	1	3.47	PS					17.65	573.63
O0315	0.55	38	31	42.88	12.50	25.77	18.50	14.20	19.50	0.00	0.00	0.45	0.50	38.00	51.00	1	43	1	3	1	3.70	PS					0.55	20.90
pp698*	4.05	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.05	0.00
pp699*	9.26	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					9.26	0.00
pp700*	2.33	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.33	0.00
pp751*	12.72	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					12.72	0.00
pp811*	9.42	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					9.42	0.00
pp812*	11.61	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					11.61	0.00
	276.30																						**27.25**	**1,512.38**	**0.00**	**0.00**	**247.11**	**7,395.40**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0201	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.63	24.57
O0206	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.66	16.50
O0305	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.08	49.14
O0310	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.18	38.35
O0315	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.04	1.52
pp751*	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.65	0.00
pp811*	2010	65554	Construct Installation-Wide Roads, Paved					0.02	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**4.26**	**130.08**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**27.25**	**1,512.38**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**242.85**	**7,265.32**
TOTAL	**270.10**	**8,777.70**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
66** = Oak-Hickory (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-139. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O03-06R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0306	28.93	46	22P	43.22	14.50	24.51	17.00	9.91	12.50	5.94	0.00	0.00	0.00	29.50	44.00	5	30	0	3	1	0					28.93	853.44
O0308	4.28	42	22P	11.13	3.50	20.00	14.00	5.09	6.00	16.52	1.78	0.45	1.50	20.00	25.00	1	36	8	3	1	0					4.28	85.60
O0310	13.02	38	31	12.73	4.00	24.12	17.50	10.70	15.00	10.48	2.47	1.40	3.50	32.50	40.00	1	40	10	3	1	0	13.02	423.15				
O0311	32.17	40	26	29.45	8.50	23.75	15.50	6.81	9.00	6.49	1.19	0.00	1.00	24.50	34.00	1	30	4	3	1	0					32.17	788.17
O0312	13.70	40	22P	114.62	33.00	19.44	13.00	2.79	4.00	6.36	1.65	0.95	2.50	17.00	52.50	2	26	10	3	1	0					13.70	232.90
O0313	6.54	54	10	19.35	7.00	17.52	12.00	12.88	18.00	24.43	8.31	1.62	8.00	30.00	45.00	1	23	25	3	1	0	6.54	196.20				
O0314	42.58	41	22P	25.52	9.50	29.95	20.50	8.34	10.50	3.91	0.00	0.28	0.50	31.00	41.00	1	32	1	3	1	0	42.58	1,319.98				
O0315	44.14	38	31	42.88	12.50	25.77	18.50	14.20	19.50	0.00	0.00	0.45	0.50	38.00	51.00	1	43	1	3	1	0	0.00	0.00				
O0320	7.31	39	31	22.66	8.57	24.05	17.14	13.06	18.57	7.04	2.62	1.38	2.86	35.71	47.14	2	41	10	3	1	0	0.00	0.00				
O0321	34.42	41	21	27.92	7.50	11.34	9.00	10.43	14.00	6.57	1.54	0.89	2.50	23.00	33.00	1	39	10	3	1	0					34.42	791.66
O0322	13.54	41	22P	42.20	14.50	29.33	19.50	5.72	7.50	0.00	0.00	0.40	0.50	27.00	42.00	1	35	1	3	1	0					13.54	365.58
O0326	15.04	39	10	31.81	9.00	19.49	13.00	8.12	12.50	26.74	5.21	1.88	6.00	25.50	40.50	6	19	20	3	1	0					0.00	0.00
O0327	14.32	44	31	26.57	7.00	19.70	15.50	18.48	25.50	2.10	1.33	0.46	1.50	41.00	49.50	2	32	4	3	1	1	14.32	587.12				
pp379*	1.23	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp381*	1.52	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
	272.74																					**76.46**	**2,526.45**	**0.00**	**0.00**	**127.04**	**3,117.35**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0306	2010	65554	Construct Installation-Wide Roads, Paved					5.35	157.83
O0314	2010	65554	Construct Installation-Wide Roads, Paved	6.31	195.61				
O0327	2010	65554	Construct Installation-Wide Roads, Paved	2.88	118.08				
			TOTAL REMOVALS	**9.19**	**313.69**	**0.00**	**0.00**	**5.35**	**157.83**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**67.27**	**2,212.76**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**121.69**	**2,959.52**
TOTAL	**188.96**	**5,172.28**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-140. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O03-06R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0306	28.93	46	22P	43.22	14.50	24.51	17.00	9.91	12.50	5.94	0.00	0.00	0.00	29.50	44.00	5	30	0	3	1	3.17	PS					28.93	853.44
O0308	4.28	42	22P	11.13	3.50	20.00	14.00	5.09	6.00	16.52	1.78	0.45	1.50	20.00	25.00	1	36	8	3	1	3.13	PS					4.28	85.60
O0310	13.02	38	31	12.73	4.00	24.12	17.50	10.70	15.00	10.48	2.47	1.40	3.50	32.50	40.00	1	40	10	3	1	3.47	PS					13.02	423.15
O0311	32.17	40	26	29.45	8.50	23.75	15.50	6.81	9.00	6.49	1.19	0.00	1.00	24.50	34.00	1	30	4	3	1	3.10	PS					32.17	788.17
O0312	13.70	40	22P	114.62	33.00	19.44	13.00	2.79	4.00	6.36	1.65	0.95	2.50	17.00	52.50	2	26	10	3	1	2.53	PS					13.70	232.90
O0313	6.54	54	10	19.35	7.00	17.52	12.00	12.88	18.00	24.43	8.31	1.62	8.00	30.00	45.00	1	23	25	3	1	3.65	PS					6.54	196.20
O0314	42.58	41	22P	25.52	9.50	29.95	20.50	8.34	10.50	3.91	0.00	0.28	0.50	31.00	41.00	1	32	1	3	1	3.31	PS					42.58	1,319.98
O0315	44.14	38	31	42.88	12.50	25.77	18.50	14.20	19.50	0.00	0.00	0.45	0.50	38.00	51.00	1	43	1	3	1	3.70	PS					0.00	0.00
O0320	7.31	39	31	22.66	8.57	24.05	17.14	13.06	18.57	7.04	2.62	1.38	2.86	35.71	47.14	2	41	10	3	1	3.76	PS					0.00	0.00
O0321	34.42	41	21	27.92	7.50	11.34	9.00	10.43	14.00	6.57	1.54	0.89	2.50	23.00	33.00	1	39	10	3	1	3.39	PS					34.42	791.66
O0322	13.54	41	22P	42.20	14.50	29.33	19.50	5.72	7.50	0.00	0.00	0.40	0.50	27.00	42.00	1	35	1	3	1	3.10	PS					13.54	365.58
O0326	15.04	39	10	31.81	9.00	19.49	13.00	8.12	12.50	26.74	5.21	1.88	6.00	25.50	40.50	6	19	20	3	1	2.67	PS					0.00	0.00
O0327	14.32	44	31	26.57	7.00	19.70	15.50	18.48	25.50	2.10	1.33	0.46	1.50	41.00	49.50	2	32	4	3	1	4.13	PS					14.32	587.12
pp379*	1.23	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp381*	1.52	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
	272.74																						**0.00**	**0.00**	**0.00**	**0.00**	**203.50**	**5,643.80**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0306	2010	65554	Construct Installation-Wide Roads, Paved					5.35	157.83
O0314	2010	65554	Construct Installation-Wide Roads, Paved					6.31	195.61
O0327	2010	65554	Construct Installation-Wide Roads, Paved					2.88	118.08
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**14.54**	**471.52**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**188.96**	**5,172.28**
TOTAL	**188.96**	**5,172.28**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-141. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O03-07**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0303	0.31	93	21	14.69	4.50	12.74	9.50	16.77	26.50	10.95	0.00	0.00	0.00	36.00	40.50	1	35	0	3	1	0	0.31	11.16				
O0307	52.18	42	31	37.70	10.50	40.11	29.00	14.93	19.50	0.00	0.00	0.69	1.00	48.50	60.00	1	35	1	3	1	1	52.18	2,530.73				
O0308	12.72	42	22P	11.13	3.50	20.00	14.00	5.09	6.00	16.52	1.78	0.45	1.50	20.00	25.00	1	36	8	3	1	0					12.72	254.40
O0312	1.25	40	22P	114.62	33.00	19.44	13.00	2.79	4.00	6.36	1.65	0.95	2.50	17.00	52.50	2	26	10	3	1	0					1.25	21.25
O0313	12.08	54	10	19.35	7.00	17.52	12.00	12.88	18.00	24.43	8.31	1.62	8.00	30.00	45.00	1	23	25	3	1	0	12.08	362.40				
O0314	19.20	41	22P	25.52	9.50	29.95	20.50	8.34	10.50	3.91	0.00	0.28	0.50	31.00	41.00	1	32	1	3	1	0	19.20	595.20				
O0401	0.75	38	26	27.42	7.50	18.00	12.50	8.02	10.50	8.69	2.60	0.26	2.50	23.00	33.00	1	26	10	3	1	0					0.75	17.25
O0403	3.55	63	21	10.93	3.00	10.11	7.50	5.44	8.00	9.52	5.75	2.32	6.50	15.50	25.00	5	30	34	3	1	0					3.55	55.03
O0404	12.28	42	22P	52.45	14.50	18.41	12.50	4.22	5.50	3.27	2.16	0.00	1.50	18.00	34.00	1	24	9	3	1	0					12.28	221.04
O0534	7.33	54	21	37.49	10.00	23.10	16.50	14.04	19.50	1.30	2.14	0.41	2.00	36.00	48.00	1	30	6	3	1	0	7.33	263.88				
O0537	25.06	52	21	19.39	5.50	23.85	17.50	15.40	20.00	4.88	0.00	1.27	2.00	37.50	45.00	1	31	3	3	1	0	25.06	939.75				
O0538	8.50	52	31	38.18	12.50	64.35	46.25	4.60	5.00	0.00	0.00	0.00	0.00	51.25	63.75	2	16	0	3	1	1	8.50	435.63				
pp339*	3.91	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.91	0.00
pp377*	2.46	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.46	0.00
pp378*	1.14	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.14	0.00
pp462*	23.23	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					23.23	0.00
	185.95																					**124.66**	**5,138.75**	**0.00**	**0.00**	**61.29**	**568.97**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0307	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.72	83.42				
O0314	2010	65554	Construct Installation-Wide Roads, Paved	1.88	58.28				
O0314	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.33	41.23				
O0534	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.40	14.40				
O0537	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.14	42.75				
pp339*	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.16	0.00
pp339*	2010	65554	Construct Installation-Wide Roads, Paved					0.01	0.00
			TOTAL REMOVALS	**6.47**	**240.08**	**0.00**	**0.00**	**0.17**	**0.00**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**118.19**	**4,898.67**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**61.12**	**568.97**
TOTAL	**179.31**	**5,467.64**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-142. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O03-07**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0303	0.31	93	21	14.69	4.50	12.74	9.50	16.77	26.50	10.95	0.00	0.00	0.00	36.00	40.50	1	35	0	3	1	4.23	PS					0.31	11.16
O0307	52.18	42	31	37.70	10.50	40.11	29.00	14.93	19.50	0.00	0.00	0.69	1.00	48.50	60.00	1	35	1	3	1	3.80	PS					52.18	2,530.73
O0308	12.72	42	22P	11.13	3.50	20.00	14.00	5.09	6.00	16.52	1.78	0.45	1.50	20.00	25.00	1	36	8	3	1	3.13	PS					12.72	254.40
O0312	1.25	40	22P	114.62	33.00	19.44	13.00	2.79	4.00	6.36	1.65	0.95	2.50	17.00	52.50	2	26	10	3	1	2.53	PS					1.25	21.25
O0313	12.08	54	10	19.35	7.00	17.52	12.00	12.88	18.00	24.43	8.31	1.62	8.00	30.00	45.00	1	23	25	3	1	3.65	PS					12.08	362.40
O0314	19.20	41	22P	25.52	9.50	29.95	20.50	8.34	10.50	3.91	0.00	0.28	0.50	31.00	41.00	1	32	1	3	1	3.31	PS					19.20	595.20
O0401	0.75	38	26	27.42	7.50	18.00	12.50	8.02	10.50	8.69	2.60	0.26	2.50	23.00	33.00	1	26	10	3	1	3.00	PS					0.75	17.25
O0403	3.55	63	21	10.93	3.00	10.11	7.50	5.44	8.00	9.52	5.75	2.32	6.50	15.50	25.00	5	30	34	3	1	3.03	PS					3.55	55.03
O0404	12.28	42	22P	52.45	14.50	18.41	12.50	4.22	5.50	3.27	2.16	0.00	1.50	18.00	34.00	1	24	9	3	1	2.75	PS					12.28	221.04
O0534	7.33	54	21	37.49	10.00	23.10	16.50	14.04	19.50	1.30	2.14	0.41	2.00	36.00	48.00	1	30	6	3	1	3.89	PS					7.33	263.88
O0537	25.06	52	21	19.39	5.50	23.85	17.50	15.40	20.00	4.88	0.00	1.27	2.00	37.50	45.00	1	31	3	3	1	4.09	PS					25.06	939.75
O0538	8.50	52	31	38.18	12.50	64.35	46.25	4.60	5.00	0.00	0.00	0.00	0.00	51.25	63.75	2	16	0	3	1	2.93	PS					8.50	435.63
pp339*	3.91	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.91	0.00
pp377*	2.46	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.46	0.00
pp378*	1.14	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.14	0.00
pp462*	23.23	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					23.23	0.00
	185.95																						**0.00**	**0.00**	**0.00**	**0.00**	**185.95**	**5,707.72**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0307	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.72	83.42
O0314	2010	65554	Construct Installation-Wide Roads, Paved					1.88	58.28
O0314	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.33	41.23
O0534	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.40	14.40
O0537	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.14	42.75
pp339*	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.16	0.00
pp339*	2010	65554	Construct Installation-Wide Roads, Paved					0.01	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**6.64**	**240.08**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**179.31**	**5,467.64**
TOTAL	**179.31**	**5,467.64**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-143. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O04-03**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0314	11.06	41	22P	25.52	9.50	29.95	20.50	8.34	10.50	3.91	0.00	0.28	0.50	31.00	41.00	1	32	1	3	1	0	0.00	0.00				
O0325	0.98	0	26P	156.28	50.00	17.97	10.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	60.00	5	10	0	3	1	0					0.98	9.80
O0401	12.52	38	26	27.42	7.50	18.00	12.50	8.02	10.50	8.69	2.60	0.26	2.50	23.00	33.00	1	26	10	3	1	0					0.00	0.00
O0403	25.11	63	21	10.93	3.00	10.11	7.50	5.44	8.00	9.52	5.75	2.32	6.50	15.50	25.00	5	30	34	3	1	0					0.00	0.00
O0404	14.90	42	22P	52.45	14.50	18.41	12.50	4.22	5.50	3.27	2.16	0.00	1.50	18.00	34.00	1	24	9	3	1	0					0.00	0.00
O0405	47.68	49	21	35.86	10.00	11.71	8.24	6.14	8.82	11.69	5.05	0.00	3.53	17.06	30.59	5	38	22	3	1	0					47.68	813.42
O0406	7.00	41	31	26.17	9.00	23.00	16.50	8.93	12.00	4.60	0.99	0.89	1.50	28.50	39.00	1	29	6	3	1	0					7.00	199.50
O0409	12.34	41	26	22.84	7.50	17.97	13.00	6.54	8.50	2.34	1.64	1.63	3.50	21.50	32.50	1	29	12	3	1	0					12.34	265.31
O0410	13.35	83	21	5.96	1.50	9.16	7.00	24.45	40.00	5.53	0.66	1.68	3.00	47.00	51.50	1	21	6	3	1	1	13.35	627.45				
O0411	15.18	94	26	12.91	3.50	5.90	4.50	11.30	17.00	9.70	3.03	0.72	3.00	21.50	28.00	5	21	18	3	1	0					15.18	326.37
O0416	9.62	48	31	22.04	7.50	40.50	29.50	16.25	20.00	1.24	5.31	2.28	7.00	49.50	64.00	1	20	12	3	1	1	9.62	476.19				
O0417	12.06	48	21	26.93	6.50	15.45	11.00	11.58	17.00	11.69	0.00	1.63	2.00	28.00	36.50	5	24	6	3	1	0					12.06	337.68
O0541	11.17	48	31	65.91	16.50	19.50	13.50	9.18	14.00	8.61	3.40	0.00	2.00	27.50	46.00	1	24	11	3	1	0					0.00	0.00
pp339*	11.62	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp461*	0.28	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.28	0.00
pp462*	2.08	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp490*	2.13	18	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.13	0.00
	209.10																					**22.97**	**1,103.64**	**0.00**	**0.00**	**97.65**	**1,952.08**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0325	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.23	2.30
O0409	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.78	16.77
pp461*	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.12	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**1.13**	**19.07**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**22.97**	**1,103.64**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**96.52**	**1,933.01**
TOTAL	**119.49**	**3,036.65**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-144. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O04-03**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0314	11.06	41	22P	25.52	9.50	29.95	20.50	8.34	10.50	3.91	0.00	0.28	0.50	80.00	41.00	1	32	1	3	1	3.31	PS					0.00	0.00
O0325	0.98	0	26P	156.28	50.00	17.97	10.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	60.00	5	10	0	3	1	1.93	NH					0.98	9.80
O0401	12.52	38	26	27.42	7.50	18.00	12.50	8.02	10.50	8.69	2.60	0.26	2.50	23.00	33.00	1	26	10	3	1	3.00	PS					0.00	0.00
O0403	25.11	63	21	10.93	3.00	10.11	7.50	5.44	8.00	9.52	5.75	2.32	6.50	15.50	25.00	5	30	34	3	1	3.03	PS					0.00	0.00
O0404	14.90	42	22P	52.45	14.50	18.41	12.50	4.22	5.50	3.27	2.16	0.00	1.50	18.00	34.00	1	24	9	3	1	2.75	PS					0.00	0.00
O0405	47.68	49	21	35.86	10.00	11.71	8.24	6.14	8.82	11.69	5.05	0.00	3.53	17.06	30.59	5	38	22	3	1	2.79	PS					47.68	813.42
O0406	7.00	41	31	26.17	9.00	23.00	16.50	8.93	12.00	4.60	0.99	0.89	1.50	28.50	39.00	1	29	6	3	1	3.04	PS					7.00	199.50
O0409	12.34	41	26	22.84	7.50	17.97	13.00	6.54	8.50	2.34	1.64	1.63	3.50	21.50	32.50	1	29	12	3	1	3.01	PS					12.34	265.31
O0410	13.35	83	21	5.96	1.50	9.16	7.00	24.45	40.00	5.53	0.66	1.68	3.00	47.00	51.50	1	21	6	3	1	4.33	PS			13.35	627.45		
O0411	15.18	94	26	12.91	3.50	5.90	4.50	11.30	17.00	9.70	3.03	0.72	3.00	21.50	28.00	5	21	18	3	1	3.51	PS					15.18	326.37
O0416	9.62	48	31	22.04	7.50	40.50	29.50	16.25	20.00	1.24	5.31	2.28	7.00	49.50	64.00	1	20	12	3	1	3.79	PS					9.62	476.19
O0417	12.06	48	21	26.93	6.50	15.45	11.00	11.58	17.00	11.69	0.00	1.63	2.00	28.00	36.50	5	24	6	3	1	3.25	PS					12.06	337.68
O0541	11.17	48	31	65.91	16.50	19.50	13.50	9.18	14.00	8.61	3.40	0.00	2.00	27.50	46.00	1	24	11	3	1	3.27	PS					0.00	0.00
pp339*	11.62	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp461*	0.28	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.28	0.00
pp462*	2.08	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp490*	2.13	18	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.13	0.00
	209.08																						**0.00**	**0.00**	**13.35**	**627.45**	**107.27**	**2,428.27**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0325	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.23	2.30
O0409	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.78	16.77
pp461*	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.12	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**1.13**	**19.07**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**13.35**	**627.45**
Future Potential Habitat	**106.14**	**2,409.20**
TOTAL	**119.49**	**3,036.65**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-145. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O05-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
N0101	13.89	74	21	9.55	3.50	8.65	6.00	13.65	23.50	1.43	1.27	0.78	2.00	29.50	35.00	5	28	8	3	1	0					13.89	409.76
N0102	0.76	42	21U	5.79	2.50	0.00	0.00	7.16	12.50	24.81	0.00	0.00	0.00	12.50	15.00	4	30	0	3	1	0					0.00	0.00
O0501	44.88	72	31	30.49	10.00	29.91	21.00	18.06	29.00	7.16	0.95	3.43	6.00	50.00	66.00	1	28	8	3	1	1	44.88	2,244.00				
O0505	28.55	48	31	25.96	6.50	15.83	11.50	26.33	44.00	5.22	0.53	0.69	1.50	55.50	63.50	2	42	3	3	1	1	28.55	1,584.53				
O0513	83.05	65	31	45.34	14.00	31.36	21.00	20.67	30.50	9.77	0.00	0.83	1.00	51.50	66.50	1	22	2	3	1	1	83.05	4,277.08				
O0514	45.00	48	21	13.30	4.29	31.87	24.29	17.51	23.33	0.00	0.58	0.00	0.48	47.62	52.38	1	37	1	3	1	1	45.00	2,142.90				
O0515	6.29	48	22P	123.62	35.00	79.19	53.75	13.33	17.50	0.00	0.00	1.15	1.25	71.25	107.50	1	29	1	3	1	0			6.29	448.16		
O0516	3.95	25	31P	61.78	17.65	42.53	30.59	16.52	20.59	2.42	0.76	0.00	0.59	51.18	69.41	1	25	1	3	1	0					3.95	202.16
O0519	2.05	52	31	205.40	58.00	56.10	40.00	33.74	54.00	0.00	0.00	0.00	0.00	94.00	152.00	1	28	0	3	1	0			2.05	192.70		
O0529	16.98	65	21	8.87	2.63	21.83	14.74	20.40	34.74	1.51	1.75	0.32	1.58	49.47	53.68	2	33	5	3	1	1	16.98	840.00				
pp344*	2.92	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.92	0.00
pp697*	2.76	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.76	0.00
pp810*	13.59	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					13.59	0.00
pp960*	6.87	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					6.87	0.00
	271.54																					**218.46**	**11,088.51**	**8.34**	**640.86**	**43.98**	**611.92**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0514	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2	11.54	549.53				
O0519	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2			0.88	82.72		
			2008 SUB-TOTAL	**11.54**	**549.53**	**0.88**	**82.72**	**0.00**	**0.00**
O0514	2010	65554	Construct Installation-Wide Roads, Paved	3.37	160.48				
O0515	2010	65554	Construct Installation-Wide Roads, Paved			0.67	47.74		
O0516	2010	65554	Construct Installation-Wide Roads, Paved					0.03	1.54
			2010 SUB-TOTAL	**3.37**	**160.48**	**0.67**	**47.74**	**0.03**	**1.54**
			TOTAL REMOVALS	**14.91**	**710.01**	**1.55**	**130.46**	**0.03**	**1.54**

POST-PROJECT	**2008**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**206.92**	**10,538.98**	**203.55**	**10,378.50**
Potentially Suitable Habitat	**7.46**	**558.14**	**6.79**	**510.40**
Future Potential Habitat	**43.98**	**611.92**	**43.95**	**610.38**
TOTAL	**258.36**	**11,709.04**	**254.29**	**11,499.28**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21U = Longleaf Pine Underplanted
22P = Slash Pine Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-146. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O05-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
N0101	13.89	74	21	9.55	3.50	8.65	6.00	13.65	23.50	1.43	1.27	0.78	2.00	29.50	35.00	5	28	8	3	1	3.85	PS					13.89	409.76
N0102	0.76	42	21U	5.79	2.50	0.00	0.00	7.16	12.50	24.81	0.00	0.00	0.00	12.50	15.00	4	30	0	3	1	2.03	PS					0.00	0.00
O0501	44.88	72	31	30.49	10.00	29.91	21.00	18.06	29.00	7.16	0.95	3.43	6.00	50.00	66.00	1	28	8	3	1	4.28	PS			44.88	2,244.00		
O0505	28.55	48	31	25.96	6.50	15.83	11.50	26.33	44.00	5.22	0.53	0.69	1.50	55.50	63.50	2	42	3	3	1	4.20	PS					28.55	1,584.53
O0513	83.05	65	31	45.34	14.00	31.36	21.00	20.67	30.50	9.77	0.00	0.83	1.00	51.50	66.50	1	22	2	3	1	4.25	PS			83.05	4,277.08		
O0514	45.00	48	21	13.30	4.29	31.87	24.29	17.51	23.33	0.00	0.58	0.00	0.48	47.62	52.38	1	37	1	3	1	4.00	PS					45.00	2,142.90
O0515	6.29	48	22P	123.62	35.00	79.19	53.75	13.33	17.50	0.00	0.00	1.15	1.25	71.25	107.50	1	29	1	3	1	2.03	PS					6.29	448.16
O0516	3.95	25	31P	61.78	17.65	42.53	30.59	16.52	20.59	2.42	0.76	0.00	0.59	51.18	69.41	1	25	1	3	1	3.52	NH					3.95	202.16
O0519	2.05	52	31	205.40	58.00	56.10	40.00	33.74	54.00	0.00	0.00	0.00	0.00	94.00	152.00	1	28	0	3	1	4.04	PS					2.05	192.70
O0529	16.98	65	21	8.87	2.63	21.83	14.74	20.40	34.74	1.51	1.75	0.32	1.58	49.47	53.68	2	33	5	3	1	4.43	PS			16.98	840.00		
pp344*	2.92	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.92	0.00
pp697*	2.76	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.76	0.00
pp810*	13.59	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					13.59	0.00
pp960*	6.87	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0						6.87	0.00
	271.54																						**0.00**	**0.00**	**144.91**	**7,361.08**	**125.87**	**4,980.21**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0514	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					11.54	549.53
O0519	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					0.88	82.72
			2008 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**12.42**	**632.25**
O0514	2010	65554	Construct Installation-Wide Roads, Paved					3.37	160.48
O0515	2010	65554	Construct Installation-Wide Roads, Paved					0.67	47.74
O0516	2010	65554	Construct Installation-Wide Roads, Paved					0.03	1.54
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**4.07**	**209.76**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**16.49**	**842.01**

POST-PROJECT	**2008**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**144.91**	**7,361.08**	**144.91**	**7,361.08**
Future Potential Habitat	**113.45**	**4,347.96**	**109.38**	**4,138.20**
TOTAL	**258.36**	**11,709.04**	**254.29**	**11,499.28**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21U = Longleaf Pine Underplanted
22P = Slash Pine Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-147. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O05-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0303	10.39	93	21	14.69	4.50	12.74	9.50	16.77	26.50	10.95	0.00	0.00	0.00	36.00	40.50	1	35	0	3	1	0	10.39	374.04				
O0307	3.12	42	31	37.70	10.50	40.11	29.00	14.93	19.50	0.00	0.00	0.69	1.00	48.50	60.00	1	35	1	3	1	1	3.12	151.32				
O0514	32.96	48	21	13.30	4.29	31.87	24.29	17.51	23.33	0.00	0.58	0.00	0.48	47.62	52.38	1	37	1	3	1	1	32.96	1,569.56				
O0516	11.32	25	31P	61.78	17.65	42.53	30.59	16.52	20.59	2.42	0.76	0.00	0.59	51.18	69.41	1	25	1	3	1	0					11.32	579.36
O0519	1.73	52	31	205.40	58.00	56.10	40.00	33.74	54.00	0.00	0.00	0.00	0.00	94.00	152.00	1	28	0	3	1	0			1.73	162.62		
O0520	10.59	52	31P	97.66	30.00	29.56	19.00	5.05	6.00	0.00	0.00	0.00	0.00	25.00	55.00	1	40	0	3	1	0					10.59	264.75
O0526	8.47	49	21	88.37	27.89	37.94	25.26	6.62	9.47	0.00	0.00	1.34	2.11	34.74	64.74	1	29	3	3	1	0			8.47	294.25		
O0529	12.98	65	21	8.87	2.63	21.83	14.74	20.40	34.74	1.51	1.75	0.32	1.58	49.47	53.68	2	33	5	3	1	1	12.98	642.12				
O0530	16.76	54	21	10.21	2.00	12.76	9.50	17.25	27.50	1.93	0.00	0.00	0.00	37.00	39.00	1	29	0	3	1	0	16.76	620.12				
O0532	6.99	54	26	5.58	1.67	10.77	8.33	21.40	30.00	0.00	0.00	0.00	0.00	38.33	40.00	1	42	0	3	1	0	6.99	267.93				
O0533	4.56	51	21S	38.21	8.75	5.49	3.75	10.51	16.25	19.66	4.87	1.15	3.75	20.00	32.50	4	20	27	3	1	0					4.56	91.20
O0534	15.25	54	21	37.49	10.00	23.10	16.50	14.04	19.50	1.30	2.14	0.41	2.00	36.00	48.00	1	30	6	3	1	0	15.25	549.00				
O0538	0.34	52	31	38.18	12.50	64.35	46.25	4.60	5.00	0.00	0.00	0.00	0.00	51.25	63.75	2	16	0	3	1	1	0.34	17.43				
pp462*	3.60	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.60	0.00
pp537*	0.64	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.64	0.00
pp538*	0.99	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.99	0.00
	140.69																					**98.79**	**4,191.52**	**10.20**	**456.87**	**31.70**	**935.31**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0514	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2	4.87	231.91				
O0514	2008	65036	Rifle/Machinegun Zero Range-Z2	0.07	3.33				
O0516	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					10.75	550.19
O0516	2008	65036	Rifle/Machinegun Zero Range-Z2					0.04	2.05
O0519	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2			1.68	157.92		
O0520	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					4.75	118.75
O0520	2008	65036	Rifle/Machinegun Zero Range-Z2					0.23	5.75
pp538*	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					0.99	0.00
			2008 SUB-TOTAL	**4.94**	**235.24**	**1.68**	**157.92**	**16.76**	**676.74**
O0303	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.26	45.36				
O0307	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.43	20.86				
O0514	2010	65554	Construct Installation-Wide Roads, Paved	1.49	70.95				
O0529	2010	65554	Construct Installation-Wide Roads, Paved	1.02	50.46				
O0530	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.17	43.29				
O0534	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.04	1.44				
			2010 SUB-TOTAL	**5.41**	**232.36**	**0.00**	**0.00**	**0.00**	**0.00**
			TOTAL REMOVALS	**10.35**	**467.60**	**1.68**	**157.92**	**16.76**	**676.74**

POST-PROJECT	**2008**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**93.85**	**3,956.28**	**88.44**	**3,723.92**
Potentially Suitable Habitat	**8.52**	**298.95**	**8.47**	**294.25**
Future Potential Habitat	**14.94**	**258.57**	**14.41**	**231.45**
SUB-TOTAL	**117.31**	**4,513.80**	**111.32**	**4,249.62**
non-contiguous habitat	**-0.58**	**-31.82**	**0.00**	**0.00**
TOTAL	**116.73**	**4,481.98**	**111.32**	**4,249.62**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21S = Longleaf Pine Scrub Oak
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands O0516 and O0519 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-148. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O05-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0303	10.39	93	21	14.69	4.50	12.74	9.50	16.77	26.50	10.95	0.00	0.00	0.00	36.00	40.50	1	35	0	3	1	4.23	PS					10.39	374.04
O0307	3.12	42	31	37.70	10.50	40.11	29.00	14.93	19.50	0.00	0.00	0.69	1.00	48.50	60.00	1	35	1	3	1	3.80	PS					3.12	151.32
O0514	32.96	48	21	13.30	4.29	31.87	24.29	17.51	23.33	0.00	0.58	0.00	0.48	47.62	52.38	1	37	1	3	1	4.00	PS					32.96	1,569.56
O0516	11.32	25	31P	61.78	17.65	42.53	30.59	16.52	20.59	2.42	0.76	0.00	0.59	51.18	69.41	1	25	1	3	1	3.52	NH					11.32	579.36
O0519	1.73	52	31	205.40	58.00	56.10	40.00	33.74	54.00	0.00	0.00	0.00	0.00	94.00	152.00	1	28	0	3	1	4.04	PS					1.73	162.62
O0520	10.59	52	31P	97.66	30.00	29.56	19.00	5.05	6.00	0.00	0.00	0.00	0.00	25.00	55.00	1	40	0	3	1	3.22	PS					10.59	264.75
O0526	8.47	49	21	88.37	27.89	37.94	25.26	6.62	9.47	0.00	0.00	1.34	2.11	34.74	64.74	1	29	3	3	1	3.00	PS					8.47	294.25
O0529	12.98	65	21	8.87	2.63	21.83	14.74	20.40	34.74	1.51	1.75	0.32	1.58	49.47	53.68	2	33	5	3	1	4.43	PS			12.98	642.12		
O0530	16.76	54	21	10.21	2.00	12.76	9.50	17.25	27.50	1.93	0.00	0.00	0.00	37.00	39.00	1	29	0	3	1	3.99	PS					16.76	620.12
O0532	6.99	54	26	5.58	1.67	10.77	8.33	21.40	30.00	0.00	0.00	0.00	0.00	38.33	40.00	1	42	0	3	1	4.34	PS					6.99	267.93
O0533	4.56	51	21S	38.21	8.75	5.49	3.75	10.51	16.25	19.66	4.87	1.15	3.75	20.00	32.50	4	20	27	3	1	3.44	PS					4.56	91.20
O0534	15.25	54	21	37.49	10.00	23.10	16.50	14.04	19.50	1.30	2.14	0.41	2.00	36.00	48.00	1	30	6	3	1	3.89	PS					15.25	549.00
O0538	0.34	52	31	38.18	12.50	64.35	46.25	4.60	5.00	0.00	0.00	0.00	0.00	51.25	63.75	2	16	0	3	1	2.93	PS					0.34	17.43
pp462*	3.60	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.60	0.00
pp537*	0.64	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.64	0.00
pp538*	0.99	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.99	0.00
	140.69																						**0.00**	**0.00**	**12.98**	**642.12**	**127.71**	**4,941.58**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0514	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					4.87	231.91
O0514	2008	65036	Rifle/Machinegun Zero Range-Z2					0.07	3.33
O0516	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					10.75	550.19
O0516	2008	65036	Rifle/Machinegun Zero Range-Z2					0.04	2.05
O0519	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					1.68	157.92
O0520	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					4.75	118.75
O0520	2008	65036	Rifle/Machinegun Zero Range-Z2					0.23	5.75
pp538*	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					0.99	0.00
			2008 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**23.38**	**1,069.90**
O0303	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.26	45.36
O0307	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.43	20.86
O0514	2010	65554	Construct Installation-Wide Roads, Paved					1.49	70.95
O0529	2010	65554	Construct Installation-Wide Roads, Paved			1.02	50.46		
O0530	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.17	43.29
O0534	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.04	1.44
			2010 SUB-TOTAL	**0.00**	**0.00**	**1.02**	**50.46**	**4.39**	**181.90**
			TOTAL REMOVALS	**0.00**	**0.00**	**1.02**	**50.46**	**27.77**	**1,251.79**

POST-PROJECT	**2008**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**12.98**	**642.12**	**11.96**	**591.66**
Future Potential Habitat	**104.33**	**3,871.68**	**99.36**	**3,657.96**
SUB-TOTAL	**117.31**	**4,513.80**	**111.32**	**4,249.62**
non-contiguous habitat	**-0.58**	**-31.82**	**0.00**	**0.00**
TOTAL	**116.73**	**4,481.98**	**111.32**	**4,249.62**

Key:

BA= basal area

hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21S = Longleaf Pine Scrub Oak
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Suitability
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands O0516 and O0519 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-149. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O05-03R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0511	6.95	51	10	30.95	8.89	30.71	22.78	8.80	11.67	19.45	6.78	1.26	6.67	34.44	50.00	3	13	17	3	1	0	6.95	239.36				
O0516	5.26	25	31P	61.78	17.65	42.53	30.59	16.52	20.59	2.42	0.76	0.00	0.59	51.18	69.41	1	25	1	3	1	0					0.00	0.00
O0517	5.22	31	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					5.22	0.00
O0518	43.33	45	31	11.97	4.00	25.04	19.00	16.30	22.50	22.74	1.59	0.84	2.00	41.50	47.50	1	17	6	3	1	1	43.33	1,798.20				
O0523	2.87	81	31	204.92	50.00	51.33	40.00	10.14	15.00	0.00	0.00	0.00	0.00	55.00	105.00	1	15	0	3	1	0			2.87	157.85		
O0524	22.50	81	22P	8.99	3.50	15.26	11.50	13.52	18.00	20.96	3.08	0.92	3.50	29.50	36.50	1	29	12	3	1	0					22.50	663.75
O0525	74.08	81	25	15.63	6.00	19.61	14.50	22.61	33.50	4.05	3.35	0.29	3.00	48.00	57.00	1	39	8	3	1	1	74.08	3,555.84				
O0526	8.53	49	21	88.37	27.89	37.94	25.26	6.62	9.47	0.00	0.00	1.34	2.11	34.74	64.74	1	29	3	3	1	0			8.53	296.33		
O0533	4.40	51	21S	38.21	8.75	5.49	3.75	10.51	16.25	19.66	4.87	1.15	3.75	20.00	32.50	4	20	27	3	1	0					4.40	88.00
O0536	39.81	42	21	26.40	8.50	35.63	27.00	9.89	13.00	4.23	2.75	1.07	3.50	40.00	52.00	1	36	8	3	1	1	39.81	1,592.40				
O0539	16.14	42	21	29.39	9.00	15.43	11.50	13.62	19.50	13.46	5.50	0.95	5.00	31.00	45.00	1	28	18	3	1	0	16.14	500.34				
O0546	2.60	51	31	85.09	27.00	29.98	20.50	3.79	5.00	2.24	3.17	0.46	3.00	25.50	55.50	5	24	10	3	1	0					2.60	66.30
O0612	0.03	68	31	0.00	0.00	11.37	10.00	9.99	20.00	0.00	0.00	0.00	0.00	30.00	30.00	1	50	0	3	1	0	0.00	0.00				
O0636	0.89	57	25	26.58	6.50	10.16	7.00	10.79	16.00	56.55	10.26	5.97	16.00	23.00	45.50	6	14	44	3	1	0					0.00	0.00
pp462	5.43	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.43	0.00
pp538	0.13	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp627	4.74	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp957	3.77	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.77	0.00
	246.68																					**180.31**	**7,686.14**	**11.40**	**454.18**	**43.92**	**818.05**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0511	2007	65032	Fire and Movement Range (FM1)	0.94	32.37				
O0511	2007	65032	Beaten Area for Fire and Movement Range (FM1)	0.80	27.55				
O0518	2007	65032	Beaten Area for Fire and Movement Range (FM1)	9.48	393.42				
O0525	2007	65032	Beaten Area for Fire and Movement Range (FM1)	0.08	3.84				
O0546	2007	65032	Fire and Movement Range (FM1)					0.01	0.25
O0546	2007	65032	Beaten Area for Fire and Movement Range (FM1)					2.59	66.05
			2007 SUB-TOTAL	**11.30**	**457.18**	**0.00**	**0.00**	**2.60**	**66.30**
O0511	2008	65035	Beaten Area for Rifle/Machinegun Zero Range-Z1	4.74	163.25				
O0518	2008	65035	Beaten Area for Rifle/Machinegun Zero Range-Z1	7.73	320.80				
O0524	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					0.14	4.13
O0525	2008	65035	Beaten Area for Rifle/Machinegun Zero Range-Z1	1.81	86.88				
O0526	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2			1.84	63.92		
			2008 SUB-TOTAL	**14.28**	**570.93**	**1.84**	**63.92**	**0.14**	**4.13**
			TOTAL REMOVALS	**25.58**	**1,028.11**	**1.84**	**63.92**	**2.74**	**70.43**

POST-PROJECT	**2007**		**2008**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**169.01**	**7,228.96**	**154.73**	**6,658.03**
Potentially Suitable Habitat	**11.40**	**454.18**	**9.56**	**390.26**
Future Potential Habitat	**41.32**	**751.75**	**41.18**	**747.62**
TOTAL	**221.73**	**8,434.89**	**205.47**	**7,795.91**

Key:

dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

1=non-growing season
2=growing season

0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21S = Longleaf Pine Scrub Oak
22P = Slash Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
31P = Loblolly Pine Plantation
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-150. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O05-03R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0511	6.95	51	10	30.95	8.89	30.71	22.78	8.80	11.67	19.45	6.78	1.26	6.67	34.44	50.00	3	13	17	3	1	3.28	PS					6.95	239.36
O0516	5.26	25	31P	61.78	17.65	42.53	30.59	16.52	20.59	2.42	0.76	0.00	0.59	51.18	69.41	1	25	1	3	1	3.52	NH					0.00	0.00
O0517	5.22	31	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.89	PS					5.22	0.00
O0518	43.33	45	31	11.97	4.00	25.04	19.00	16.30	22.50	22.74	1.59	0.84	2.00	41.50	47.50	1	17	6	3	1	3.80	PS					43.33	1,798.20
O0523	2.87	81	31	204.92	50.00	51.33	40.00	10.14	15.00	0.00	0.00	0.00	0.00	55.00	105.00	1	15	0	3	1	3.64	PS					2.87	157.85
O0524	22.50	81	22P	8.99	3.50	15.26	11.50	13.52	18.00	20.96	3.08	0.92	3.50	29.50	36.50	1	29	12	3	1	3.94	PS					22.50	663.75
O0525	74.08	81	25	15.63	6.00	19.61	14.50	22.61	33.50	4.05	3.35	0.29	3.00	48.00	57.00	1	39	8	3	1	4.43	PS			74.08	3,555.84		
O0526	8.53	49	21	88.37	27.89	37.94	25.26	6.62	9.47	0.00	0.00	1.34	2.11	34.74	64.74	1	29	3	3	1	3.00	PS					8.53	296.33
O0533	4.40	51	21S	38.21	8.75	5.49	3.75	10.51	16.25	19.66	4.87	1.15	3.75	20.00	32.50	4	20	27	3	1	3.44	PS					4.40	88.00
O0536	39.81	42	21	26.40	8.50	35.63	27.00	9.89	13.00	4.23	2.75	1.07	3.50	40.00	52.00	1	36	8	3	1	3.55	PS					39.81	1,592.40
O0539	16.14	42	21	29.39	9.00	15.43	11.50	13.62	19.50	13.46	5.50	0.95	5.00	31.00	45.00	1	28	18	3	1	3.63	PS					16.14	500.34
O0546	2.60	51	31	85.09	27.00	29.98	20.50	3.79	5.00	2.24	3.17	0.46	3.00	25.50	55.50	5	24	10	3	1	2.66	PS					2.60	66.30
O0612	0.03	68	31	0.00	0.00	11.37	10.00	9.99	20.00	0.00	0.00	0.00	0.00	30.00	30.00	1	50	0	3	1	4.13	PS					0.00	0.00
O0636	0.89	57	25	26.58	6.50	10.16	7.00	10.79	16.00	56.55	10.26	5.97	16.00	23.00	45.50	6	14	44	3	1	3.24	PS					0.00	0.00
pp462	5.43	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					5.43	0.00
pp538	0.13	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp627	4.74	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp957	3.77	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.77	0.00
	246.68																						**0.00**	**0.00**	**74.08**	**3,555.84**	**161.55**	**5,402.53**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0511	2007	65032	Fire and Movement Range (FM1)					0.94	32.37
O0511	2007	65032	Beaten Area for Fire and Movement Range (FM1)					0.80	27.55
O0518	2007	65032	Beaten Area for Fire and Movement Range (FM1)					9.48	393.42
O0525	2007	65032	Beaten Area for Fire and Movement Range (FM1)			0.08	3.84		
O0546	2007	65032	Fire and Movement Range (FM1)					0.01	0.25
O0546	2007	65032	Beaten Area for Fire and Movement Range (FM1)					2.59	66.05
			2007 SUB-TOTAL	**0.00**	**0.00**	**0.08**	**3.84**	**13.82**	**519.64**
O0511	2008	65035	Beaten Area for Rifle/Machinegun Zero Range-Z1					4.74	163.25
O0518	2008	65035	Beaten Area for Rifle/Machinegun Zero Range-Z1					7.73	320.80
O0524	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					0.14	4.13
O0525	2008	65035	Beaten Area for Rifle/Machinegun Zero Range-Z1			1.81	86.88		
O0526	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					1.84	63.92
			2008 SUB-TOTAL	**0.00**	**0.00**	**1.81**	**86.88**	**14.45**	**552.10**
			TOTAL REMOVALS	**0.00**	**0.00**	**1.89**	**90.72**	**28.27**	**1071.74**

POST-PROJECT	**2007**		**2008**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**74.00**	**3,552.00**	**72.19**	**3,465.12**
Future Potential Habitat	**147.73**	**4,882.89**	**133.28**	**4,330.79**
TOTAL	**221.73**	**8,434.89**	**205.47**	**7,795.91**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21S = Longleaf Pine Scrub Oak
22P = Slash Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
31P = Loblolly Pine Plantation
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-151. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O07-03R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0304	0.47	43	22P	18.24	7.00	53.86	38.50	14.51	19.00	2.69	1.19	0.69	2.00	57.50	66.50	1	27	3	3	1	1	0.47	27.03				
K0401	7.41	58	21	18.49	5.00	7.40	5.00	9.46	15.50	1.11	9.44	4.64	12.50	20.50	38.00	1	21	46	3	1	0					7.41	151.91
K0407	27.98	44	31	36.69	11.50	23.54	15.50	13.56	20.50	1.36	1.71	0.00	1.00	36.00	48.50	2	24	4	3	1	0	27.98	1,007.28				
K0409	0.32	43	31	100.72	29.47	53.88	36.84	9.95	11.58	1.86	0.55	0.47	1.05	48.42	78.95	1	32	2	3	1	0			0.32	15.49		
K0411	0.48	44	26S	19.27	6.50	16.93	12.00	4.87	6.00	49.86	6.22	1.31	6.50	18.00	31.00	7	10	26	3	1	0					0.48	8.64
O0734	2.30	20	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					2.30	0.00
O0742	16.02	61	25	24.90	10.00	18.38	12.86	10.35	14.76	5.48	2.76	2.26	5.24	27.62	42.86	6	18	15	3	1	0					16.02	442.47
O0743	59.13	63	31	16.60	5.00	19.94	14.50	12.81	18.50	3.82	6.66	0.45	5.00	33.00	43.00	6	23	18	3	1	0			59.13	1,951.29		
O0744	23.97	58	31	11.74	4.00	17.52	11.50	9.10	15.00	5.97	3.00	2.77	6.50	26.50	37.00	2	35	18	3	1	0					23.97	635.21
O0748	40.05	48	31	20.36	6.50	25.05	17.50	8.69	12.00	13.50	2.61	0.34	2.00	29.50	38.00	6	19	8	3	1	0					40.05	1,181.48
O0753	3.44	71	31	6.79	2.50	6.11	5.00	14.67	25.63	3.94	4.14	1.98	5.63	30.63	38.75	8	34	23	3	1	0			3.44	105.37		
O0754	23.99	52	31	10.13	4.00	32.60	22.50	10.28	13.50	2.47	0.66	0.00	0.50	36.00	40.50	2	41	2	3	1	0	23.99	863.64				
O0756	15.35	48	31P	20.12	6.00	20.49	16.50	27.44	37.50	1.27	0.97	0.00	0.50	54.00	60.50	1	30	2	3	1	1	15.35	828.90				
O0761	7.02	68	31	9.56	3.16	7.30	5.26	12.04	20.00	4.07	1.68	3.38	6.32	25.26	34.74	8	40	21	3	1	0					7.02	177.33
O0763	5.95	46	31	45.66	12.00	12.89	8.00	12.05	20.00	0.00	3.82	0.00	2.00	28.00	42.00	1	38	13	3	1	0					5.95	166.60
O0906	2.85	50	31	40.34	13.53	31.51	21.18	8.96	12.35	4.30	3.06	1.10	4.12	33.53	51.18	1	22	9	3	1	0	2.85	95.56				
pp274*	0.60	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.60	0.00
pp355*	4.12	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.12	0.00
pp356*	0.16	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.16	0.00
pp748*	7.89	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					7.89	0.00
pp955*	3.22	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.22	0.00
	252.72																					**70.64**	**2,822.41**	**62.89**	**2,072.15**	**119.19**	**2,763.64**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0411	2011	65070	Multi-Purpose Machine Gun Range-MPMG3					0.48	8.64
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**0.48**	**8.64**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	70.64	**2,822.41**
Potentially Suitable Habitat	**62.89**	**2,072.15**
Future Potential Habitat	**118.71**	**2,755.00**
SUB-TOTAL	**252.24**	**7,649.56**
TOTAL		

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
25 = Mixed Pine
26S = Mixed Pine-Longleaf Scrub Oak
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Stand Score
0=Unsuitable
1=Suitable

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Table D-152. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster O07-03R, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0304	0.47	43	22P	18.24	7.00	53.86	38.50	14.51	19.00	2.69	1.19	0.69	2.00	57.50	66.50	1	27	3	3	1	3.76	PS					0.47	27.03
K0401	7.41	58	21	18.49	5.00	7.40	5.00	9.46	15.50	1.11	9.44	4.64	12.50	20.50	38.00	1	21	46	3	1	3.60	PS					7.41	151.91
K0407	27.98	44	31	36.69	11.50	23.54	15.50	13.56	20.50	1.36	1.71	0.00	1.00	36.00	48.50	2	24	4	3	1	3.79	PS					27.98	1,007.28
K0409	0.32	43	31	100.72	29.47	53.88	36.84	9.95	11.58	1.86	0.55	0.47	1.05	48.42	78.95	1	32	2	3	1	3.45	PS					0.32	15.49
K0411	0.48	44	26S	19.27	6.50	16.93	12.00	4.87	6.00	49.86	6.22	1.31	6.50	18.00	31.00	7	10	26	3	1	2.38	PS					0.48	8.64
O0734	2.30	20	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					2.30	0.00
O0742	16.02	61	25	24.90	10.00	18.38	12.86	10.35	14.76	5.48	2.76	2.26	5.24	27.62	42.86	6	18	15	3	1	3.21	PS					16.02	442.47
O0743	59.13	63	31	16.60	5.00	19.94	14.50	12.81	18.50	3.82	6.66	0.45	5.00	33.00	43.00	6	23	18	3	1	3.61	PS					59.13	1,951.29
O0744	23.97	58	31	11.74	4.00	17.52	11.50	9.10	15.00	5.97	3.00	2.77	6.50	26.50	37.00	2	35	18	3	1	3.70	PS					23.97	635.21
O0748	40.05	48	31	20.36	6.50	25.05	17.50	8.69	12.00	13.50	2.61	0.34	2.00	29.50	38.00	6	19	8	3	1	2.88	PS					40.05	1,181.48
O0753	3.44	71	31	6.79	2.50	6.11	5.00	14.67	25.63	3.94	4.14	1.98	5.63	30.63	38.75	8	34	23	3	1	3.84	PS					3.44	105.37
O0754	23.99	52	31	10.13	4.00	32.60	22.50	10.28	13.50	2.47	0.66	0.00	0.50	36.00	40.50	2	41	2	3	1	3.76	PS					23.99	863.64
O0756	15.35	48	31P	20.12	6.00	20.49	16.50	27.44	37.50	1.27	0.97	0.00	0.50	54.00	60.50	1	30	2	3	1	4.14	PS					15.35	828.90
O0761	7.02	68	31	9.56	3.16	7.30	5.26	12.04	20.00	4.07	1.68	3.38	6.32	25.26	34.74	8	40	21	3	1	3.73	PS					7.02	177.33
O0763	5.95	46	31	45.66	12.00	12.89	8.00	12.05	20.00	0.00	3.82	0.00	2.00	28.00	42.00	1	38	13	3	1	3.67	PS					5.95	166.60
O0906	2.85	50	31	40.34	13.53	31.51	21.18	8.96	12.35	4.30	3.06	1.10	4.12	33.53	51.18	1	22	9	3	1	3.18	PS					2.85	95.56
pp274*	0.60	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.60	0.00
pp355*	4.12	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.12	0.00
pp356*	0.16	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.16	0.00
pp748*	7.89	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					7.89	0.00
pp955*	3.22	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.22	0.00
	252.72																						**0.00**	**0.00**	**0.00**	**0.00**	**252.72**	**7,658.20**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0411	2011	65070	Multi-Purpose Machine Gun Range-MPMG3					0.48	8.64
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**0.48**	**8.64**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	0.00	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**252.24**	**7,649.56**
SUB-TOTAL	**252.24**	**7,649.56**
TOTAL		

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
25 = Mixed Pine
26S = Mixed Pine-Longleaf Scrub Oak
31 = Loblolly Pine
31P = Loblolly Pine Plantation

* **Note:** No pine data was taken for pine plantation stands less than 30 years old.

Table D-153. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O08-03R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0743	5.75	63	31	16.60	5.00	19.94	14.50	12.81	18.50	3.82	6.66	0.45	5.00	33.00	43.00	6	23	18	3	1	0			0.00	0.00		
O0749	1.67	85	31	22.29	6.36	11.47	9.09	4.98	9.09	7.88	1.35	1.38	3.64	18.18	28.18	7	35	14	3	1	0					0.00	0.00
O0752	50.51	71	21	8.80	3.00	9.69	6.50	11.85	18.50	6.36	0.00	0.00	0.00	25.00	28.00	2	40	0	3	1	0					50.51	1,262.75
O0753	7.83	71	31	6.79	2.50	6.11	5.00	14.67	25.63	3.94	4.14	1.98	5.63	30.63	38.75	8	34	23	3	1	0			7.83	239.83		
O0760	19.46	50	31	31.15	8.00	14.48	10.00	12.15	16.50	12.07	0.63	2.13	4.50	26.50	39.00	1	35	9	3	1	0					19.46	515.69
O0761	24.31	68	31	9.56	3.16	7.30	5.26	12.04	20.00	4.07	1.68	3.38	6.32	25.26	34.74	8	40	21	3	1	0					24.31	614.07
O0901	7.24	46	31	56.65	16.00	26.28	18.00	8.53	11.50	6.05	5.73	1.65	6.50	29.50	52.00	6	29	17	3	1	0					7.24	213.58
O0904	12.36	47	31	54.00	17.00	19.96	14.00	8.68	11.50	12.99	7.55	0.93	7.00	25.50	49.50	7	27	23	3	1	0					12.36	315.18
O0909	1.31	41	31	101.29	26.00	29.87	20.00	7.49	10.00	15.30	2.02	0.76	2.50	30.00	58.50	2	23	7	3	1	0			1.31	39.30		
pp356*	19.98	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					19.98	0.00
pp749*	1.96	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp923*	3.83	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.83	0.00
	156.21																					**0.00**	**0.00**	**9.14**	**279.13**	**137.69**	**2,921.27**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0760	2007	65382	Beaten Area					1.01	26.77
O0901	2007	65382	Beaten Area					5.16	152.22
O0904	2007	65382	Beaten Area					9.29	236.90
O0909	2007	65382	Beaten Area			1.31	39.30		
pp356*	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					0.05	0.00
pp356*	2007	65382	Beaten Area					2.20	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**1.31**	**39.30**	**17.71**	**415.89**

POST-PROJECT	**2007**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**7.83**	**239.83**
Future Potential Habitat	**119.98**	**2,505.38**
TOTAL	**127.81**	**2,745.21**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21P = Longleaf Pine Plantation
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-154. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O08-03R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0743	5.75	63	31	16.60	5.00	19.94	14.50	12.81	18.50	3.82	6.66	0.45	5.00	33.00	43.00	6	23	18	3	1	3.61	PS					0.00	0.00
O0749	1.67	85	31	22.29	6.36	11.47	9.09	4.98	9.09	7.88	1.35	1.38	3.64	18.18	28.18	7	35	14	3	1	2.85	PS					0.00	0.00
O0752	50.51	71	21	8.80	3.00	9.69	6.50	11.85	18.50	6.36	0.00	0.00	0.00	25.00	28.00	2	40	0	3	1	3.94	PS					50.51	1,262.75
O0753	7.83	71	31	6.79	2.50	6.11	5.00	14.67	25.63	3.94	4.14	1.98	5.63	30.63	38.75	8	34	23	3	1	3.84	PS					7.83	239.83
O0760	19.46	50	31	31.15	8.00	14.48	10.00	12.15	16.50	12.07	0.63	2.13	4.50	26.50	39.00	1	35	9	3	1	3.67	PS					19.46	515.69
O0761	24.31	68	31	9.56	3.16	7.30	5.26	12.04	20.00	4.07	1.68	3.38	6.32	25.26	34.74	8	40	21	3	1	3.73	PS					24.31	614.07
O0901	7.24	46	31	56.65	16.00	26.28	18.00	8.53	11.50	6.05	5.73	1.65	6.50	29.50	52.00	6	29	17	3	1	2.89	PS					7.24	213.58
O0904	12.36	47	31	54.00	17.00	19.96	14.00	8.68	11.50	12.99	7.55	0.93	7.00	25.50	49.50	7	27	23	3	1	2.72	PS					12.36	315.18
O0909	1.31	41	31	101.29	26.00	29.87	20.00	7.49	10.00	15.30	2.02	0.76	2.50	30.00	58.50	2	23	7	3	1	3.09	PS					1.31	39.30
pp356*	19.98	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					19.98	0.00
pp749*	1.96	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp923*	3.83	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.83	0.00
	156.21																						**0.00**	**0.00**	**0.00**	**0.00**	**146.83**	**3,200.40**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0760	2007	65382	Beaten Area					1.01	26.77
O0901	2007	65382	Beaten Area					5.16	152.22
O0904	2007	65382	Beaten Area					9.29	236.90
O0909	2007	65382	Beaten Area					1.31	39.30
pp356*	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					0.05	0.00
pp356*	2007	65382	Beaten Area					2.20	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**19.02**	**455.19**

POST-PROJECT	**2007**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**127.81**	**2,745.21**
TOTAL	**127.81**	**2,745.21**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21P = Longleaf Pine Plantation
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-155. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O09-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0911	39.75	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
O0914	32.76	49	31	64.78	18.13	28.46	19.38	12.79	16.25	18.50	6.38	2.80	7.50	35.63	61.25	2	30	18	3	1	0	32.76	1,167.24				
O0915	1.36	34	57**	51.04	12.00	6.21	4.00	0.37	0.50	24.49	1.83	0.00	1.00	4.50	17.50	1	20	22	3	1	0					0.00	0.00
O0918	36.85	63	21	27.41	7.65	14.93	10.59	12.05	18.24	16.03	3.96	4.89	9.41	28.82	45.88	6	25	25	3	1	0					36.85	1,062.02
O0919	44.39	94	21	28.41	8.50	23.88	16.50	20.05	32.00	0.00	5.59	0.60	5.50	48.50	62.50	2	35	12	3	1	1	44.39	2,152.92				
O0925	28.52	93	21S	17.27	4.50	6.18	5.00	11.05	14.00	11.48	2.26	0.00	1.50	19.00	25.00	6	30	12	3	1	0					28.52	541.88
O0929	6.99	61	21	16.06	4.50	10.84	8.00	11.70	17.50	4.32	1.65	0.00	1.00	25.50	31.00	2	29	7	3	1	0					6.99	178.25
O0931	43.75	96	26	37.01	11.50	25.65	17.50	6.14	8.00	18.33	5.62	2.00	6.50	25.50	43.50	2	47	19	3	1	0					43.75	1,115.63
	234.37																					**77.15**	**3,320.16**	**0.00**	**0.00**	**116.11**	**2,897.78**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0931	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					6.30	160.65
O0931	2009	65383	Beaten Area					6.98	177.99
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**13.28**	**338.64**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	77.15	**3,320.16**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**102.83**	**2,559.14**
TOTAL	**179.98**	**5,879.30**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21S = Longleaf Pine Scrub Oak
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57 **= Scrub Oak (managed for hardwoods)
NM- not managed

Table D-156. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O09-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0911	39.75	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.00	0.00
O0914	32.76	50	31	64.78	18.13	28.46	19.38	12.79	16.25	18.50	6.38	2.80	7.50	35.63	61.25	2	30	18	3	1	3.70	PS					32.76	1,167.24
O0915	1.36	35	57**	51.04	12.00	6.21	4.00	0.37	0.50	24.49	1.83	0.00	1.00	4.50	17.50	1	20	22	3	1	2.37	PS					0.00	0.00
O0918	36.85	64	21	27.41	7.65	14.93	10.59	12.05	18.24	16.03	3.96	4.89	9.41	28.82	45.88	6	25	25	3	1	3.53	PS					36.85	1,062.02
O0919	44.39	95	21	28.41	8.50	23.88	16.50	20.05	32.00	0.00	5.59	0.60	5.50	48.50	62.50	2	35	12	3	1	4.41	PS			44.39	2,152.92		
O0925	28.52	94	21S	17.27	4.50	6.18	5.00	11.05	14.00	11.48	2.26	0.00	1.50	19.00	25.00	6	30	12	3	1	3.42	PS					28.52	541.88
O0929	6.99	62	21	16.06	4.50	10.84	8.00	11.70	17.50	4.32	1.65	0.00	1.00	25.50	31.00	2	29	7	3	1	3.74	PS					6.99	178.25
O0931	43.75	97	26	37.01	11.50	25.65	17.50	6.14	8.00	18.33	5.62	2.00	6.50	25.50	43.50	2	47	19	3	1	3.44	PS					43.75	1,115.63
	234.37																						**0.00**	**0.00**	**44.39**	**2,152.92**	**148.87**	**4,065.02**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0931	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					6.30	160.65
O0931	2009	65383	Beaten Area					6.98	177.99
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**13.28**	**338.64**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	0.00	**0.00**
Potentially Suitable Habitat	**44.39**	**2,152.92**
Future Potential Habitat	**135.59**	**3,726.38**
TOTAL	**179.98**	**5,879.30**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
21 = Longleaf Pine
21S = Longleaf Pine Scrub Oak
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57 **= Scrub Oak (managed for hardwoods)
NM - not managed

Table D-157. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O09-04R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0304	4.62	43	22P	18.24	7.00	53.86	38.50	14.51	19.00	2.69	1.19	0.69	2.00	57.50	66.50	1	27	3	3	1	1	4.62	265.65				
O0904	0.05	47	31	54.00	17.00	19.96	14.00	8.68	11.50	12.99	7.55	0.93	7.00	25.50	49.50	7	27	23	3	1	0					0.05	1.28
O0906	26.43	50	31	40.34	13.53	31.51	21.18	8.96	12.35	4.30	3.06	1.10	4.12	33.53	51.18	1	22	9	3	1	0	26.43	886.20				
O0907	14.27	45	31	35.13	11.00	20.00	15.00	14.08	19.50	3.67	0.65	0.37	1.50	34.50	47.00	5	29	3	3	1	0			14.27	492.32		
O0909	39.42	41	31	101.29	26.00	29.87	20.00	7.49	10.00	15.30	2.02	0.76	2.50	30.00	58.50	2	23	7	3	1	0			39.42	1,182.60		
O0910	80.30	94	21	11.45	3.50	6.87	5.00	22.85	35.00	19.02	3.71	1.99	6.00	40.00	49.50	1	33	16	3	1	1	80.30	3,212.00				
O0911	10.62	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					10.62	0.00
O0912	5.67	45	22P	3.43	1.50	24.34	19.00	29.00	38.00	0.00	0.00	0.00	0.00	57.00	58.50	1	50	0	3	1	1	5.67	323.19				
O0914	0.23	50	31	64.78	18.13	28.46	19.38	12.79	16.25	18.50	6.38	2.80	7.50	35.63	61.25	2	30	18	3	1	0	0.23	8.19				
O0915	16.32	35	57**	51.04	12.00	6.21	4.00	0.37	0.50	24.49	1.83	0.00	1.00	4.50	17.50	1	20	22	3	1	0					0.00	0.00
O0917	1.12	71	26	43.56	11.50	29.53	21.50	18.48	28.00	13.92	3.20	1.68	4.50	49.50	65.50	1	21	9	3	1	1	1.12	55.44				
pp356*	25.08	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					25.08	0.00
pp460*	16.77	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					16.77	0.00
	240.90																					**118.37**	**4,750.67**	**53.69**	**1,674.92**	**52.52**	**1.28**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0906	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)	3.71	124.40				
O0906	2007	65382	Beaten Area	2.55	85.50				
O0907	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)			3.00	103.50		
O0907	2007	65382	Beaten Area			1.11	38.30		
O0909	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)			26.07	782.10		
O0909	2007	65382	Beaten Area			11.58	347.40		
O0910	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)	68.80	2,752.00				
O0910	2007	65382	Beaten Area	2.19	87.60				
O0914	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)	0.01	0.36				
O0914	2007	65382	Beaten Area	0.06	2.14				
O0917	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)	1.12	55.44				
pp356*	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					7.57	0.00
pp356*	2007	65382	Beaten Area					1.46	0.00
pp460*	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					16.77	0.00
			TOTAL REMOVALS	**78.44**	**3,107.44**	**41.76**	**1,271.30**	**25.80**	**0.00**

POST-PROJECT	**2007**	
	Acres	**BA**
Suitable Habitat	**39.93**	**1,643.23**
Potentially Suitable Habitat	**11.93**	**403.62**
Future Potential Habitat	**26.72**	**1.28**
SUB-TOTAL	**78.58**	**2,048.13**
non-contiguous habitat	**-17.98**	**-58.79**
GRAND TOTAL	**60.60**	**1,989.34**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22 = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57** = Scrub Oak (managed for hardwoods)
NM - not managed

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands O0909, O0914 and pp356 will be non-contiguous as a result of project impacts and cannot be counted toward the available foraging habitat for the partition.

Table D-158. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O09-04R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0304	4.62	43	22P	18.24	7.00	53.86	38.50	14.51	19.00	2.69	1.19	0.69	2.00	57.50	66.50	1	27	3	3	1	3.76	PS					4.62	265.65
O0904	0.05	47	31	54.00	17.00	19.96	14.00	8.68	11.50	12.99	7.55	0.93	7.00	25.50	49.50	7	27	23	3	1	2.72	PS					0.05	1.28
O0906	26.43	50	31	40.34	13.53	31.51	21.18	8.96	12.35	4.30	3.06	1.10	4.12	33.53	51.18	1	22	9	3	1	3.18	PS					26.43	886.20
O0907	14.27	45	31	35.13	11.00	20.00	15.00	14.08	19.50	3.67	0.65	0.37	1.50	34.50	47.00	5	29	3	3	1	3.42	PS					14.27	492.32
O0909	39.42	41	31	101.29	26.00	29.87	20.00	7.49	10.00	15.30	2.02	0.76	2.50	30.00	58.50	2	23	7	3	1	3.09	PS					39.42	1,182.60
O0910	80.30	94	21	11.45	3.50	6.87	5.00	22.85	35.00	19.02	3.71	1.99	6.00	40.00	49.50	1	33	16	3	1	4.43	PS			80.30	3,212.00		
O0911	10.62	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					10.62	0.00
O0912	5.67	45	22P	3.43	1.50	24.34	19.00	29.00	38.00	0.00	0.00	0.00	0.00	57.00	58.50	1	50	0	3	1	4.26	PS					5.67	323.19
O0914	0.23	50	31	64.78	18.13	28.46	19.38	12.79	16.25	18.50	6.38	2.80	7.50	35.63	61.25	2	30	18	3	1	3.70	PS					0.23	8.19
O0915	16.32	35	57**	51.04	12.00	6.21	4.00	0.37	0.50	24.49	1.83	0.00	1.00	4.50	17.50	1	20	22	3	1	2.37	PS					0.00	0.00
O0917	1.12	71	26	43.56	11.50	29.53	21.50	18.48	28.00	13.92	3.20	1.68	4.50	49.50	65.50	1	21	9	3	1	4.25	PS			1.12	55.44		
pp356*	25.08	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					25.08	0.00
pp460*	16.77	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					16.77	0.00
	240.90																						**0.00**	**0.00**	**81.42**	**3,267.44**	**143.16**	**3,159.43**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0906	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					3.71	124.40
O0906	2007	65382	Beaten Area					2.55	85.50
O0907	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					3.00	103.50
O0907	2007	65382	Beaten Area					1.11	38.30
O0909	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					26.07	782.10
O0909	2007	65382	Beaten Area					11.58	347.40
O0910	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)			68.80	2,752.00		
O0910	2007	65382	Beaten Area			2.19	87.60		
O0914	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					0.01	0.36
O0914	2007	65382	Beaten Area					0.06	2.14
O0917	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)			1.12	55.44		
pp356*	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					7.57	0.00
pp356*	2007	65382	Beaten Area					1.46	0.00
pp460*	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					16.77	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**72.11**	**2,895.04**	**73.89**	**1,483.70**

POST-PROJECT	**2007**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**9.31**	**372.40**
Future Potential Habitat	**69.27**	**1,675.73**
SUB-TOTAL	**78.58**	**2,048.13**
non-contiguous habitat	**-17.98**	**-58.79**
GRAND TOTAL	**60.60**	**1,989.34**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22 = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57** = Scrub Oak (managed for hardwoods)
NM - not managed

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands O0909, O0914 and pp356 will be non-contiguous as a result of project impacts and cannot be counted toward the available foraging habitat for the partition.

Table D-159. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O09-05R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0304	41.96	43	22P	18.24	7.00	53.86	38.50	14.51	19.00	2.69	1.19	0.69	2.00	57.50	66.50	1	27	3	3	1	1	41.96	2,412.70				
K0309	3.90	66	31	21.15	6.50	31.54	22.50	12.57	20.50	5.42	3.06	0.42	2.50	43.00	52.00	1	28	7	3	1	1	3.90	167.70				
K0313	28.55	38	31	40.62	11.58	40.52	29.47	20.74	27.37	5.07	3.45	1.80	4.74	56.84	73.16	1	19	8	3	1	1	28.55	1,622.78				
K0314	26.86	38	31	11.59	2.86	8.26	5.71	9.45	15.71	3.16	5.36	0.90	4.29	21.43	28.57	5	7	26	3	1	0					26.86	575.61
K0315	2.04	42	31	25.61	9.52	21.31	15.71	13.19	18.10	1.36	7.97	1.75	8.57	33.81	51.90	1	23	22	3	1	0	2.04	68.97				
O0907	57.63	45	31	35.13	11.00	20.00	15.00	14.08	19.50	3.67	0.65	0.37	1.50	34.50	47.00	5	29	3	3	1	0			57.63	1,988.24		
O0910	9.13	94	21	11.45	3.50	6.87	5.00	22.85	35.00	19.02	3.71	1.99	6.00	40.00	49.50	1	33	16	3	1	1	9.13	365.20				
O0911	4.37	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
O0912	10.27	45	22P	3.43	1.50	24.34	19.00	29.00	38.00	0.00	0.00	0.00	0.00	57.00	58.50	1	50	0	3	1	1	10.27	585.39				
O0915	18.64	35	57**	51.04	12.00	6.21	4.00	0.37	0.50	24.49	1.83	0.00	1.00	4.50	17.50	1	20	22	3	1	0					0.00	0.00
O0917	40.81	71	26	43.56	11.50	29.53	21.50	18.48	28.00	13.92	3.20	1.68	4.50	49.50	65.50	1	21	9	3	1	1	40.81	2,020.10				
O0924	46.79	100	21	19.30	5.00	10.85	7.50	19.01	26.50	16.75	4.59	1.99	5.50	34.00	44.50	2	34	18	3	1	0	46.79	1,590.86				
O0925	0.08	94	21S	17.27	4.50	6.18	5.00	11.05	14.00	11.48	2.26	0.00	1.50	19.00	25.00	6	30	12	3	1	0					0.08	1.52
O0927	6.85	54	31	62.50	16.19	26.61	19.05	5.78	8.57	12.30	8.16	3.41	10.95	27.62	54.76	1	31	26	3	1	0					6.85	189.20
pp460*	10.31	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					10.31	0.00
	308.19																					**183.45**	**8,833.70**	**57.63**	**1,988.24**	**44.10**	**766.33**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0304	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)	1.64	94.30				
K0304	2007	65382	Beaten Area	7.42	426.65				
K0313	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)	17.41	989.58				
K0313	2007	65382	Beaten Area	10.95	622.40				
K0314	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					26.86	575.61
K0315	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)	2.04	68.97				
O0907	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)			52.43	1,808.84		
O0907	2007	65382	Beaten Area			4.73	163.19		
O0910	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)	9.13	365.20				
O0912	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)	0.14	7.98				
O0912	2007	65382	Beaten Area	3.59	204.63				
O0917	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)	40.60	2,009.70				
O0917	2007	65382	Beaten Area	0.21	10.40				
O0924	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)	40.79	1,386.86				
O0924	2007	65382	Beaten Area	5.95	202.30				
O0927	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)	5.60	154.67				
O0927	2007	65382	Beaten Area					1.25	34.53
pp460*	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					10.31	0.00
			TOTAL REMOVALS	**145.47**	**6,543.64**	**57.16**	**1,972.03**	**38.42**	**610.14**

POST-PROJECT	**2007**	
	Acres	**BA**
Suitable Habitat	**37.98**	**2,290.06**
Potentially Suitable Habitat	**0.47**	**16.21**
Future Potential Habitat	**5.68**	**156.19**
SUB-TOTAL	**44.13**	**2,462.46**
non-contiguous habitat	**-0.13**	**-3.22**
GRAND TOTAL	**44.00**	**2,459.24**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57** = Scrub Oak (managed for hardwoods)
NM = Not managed

* Note: No pine data collected for pine plantation stands less than 30 years old.

Stands O0911, O0924 and O0925 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-160. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O09-05R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0304	41.96	43	22P	18.24	7.00	53.86	38.50	14.51	19.00	2.69	1.19	0.69	2.00	57.50	66.50	1	27	3	3	1	3.76	PS					41.96	2,412.70
K0309	3.90	66	31	21.15	6.50	31.54	22.50	12.57	20.50	5.42	3.06	0.42	2.50	43.00	52.00	1	28	7	3	1	4.01	PS					3.90	167.70
K0313	28.55	38	31	40.62	11.58	40.52	29.47	20.74	27.37	5.07	3.45	1.80	4.74	56.84	73.16	1	19	8	3	1	3.74	PS					28.55	1,622.78
K0314	26.86	38	31	11.59	2.86	8.26	5.71	9.45	15.71	3.16	5.36	0.90	4.29	21.43	28.57	5	7	26	3	1	2.89	PS					26.86	575.61
K0315	2.04	42	31	25.61	9.52	21.31	15.71	13.19	18.10	1.36	7.97	1.75	8.57	33.81	51.90	1	23	22	3	1	3.70	PS					2.04	68.97
O0907	57.63	45	31	35.13	11.00	20.00	15.00	14.08	19.50	3.67	0.65	0.37	1.50	34.50	47.00	5	29	3	3	1	3.42	PS					57.63	1,988.24
O0910	9.13	94	21	11.45	3.50	6.87	5.00	22.85	35.00	19.02	3.71	1.99	6.00	40.00	49.50	1	33	16	3	1	4.43	PS			9.13	365.20		
O0911	4.37	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.00	0.00
O0912	10.27	45	22P	3.43	1.50	24.34	19.00	29.00	38.00	0.00	0.00	0.00	0.00	57.00	58.50	1	50	0	3	1	4.26	PS					10.27	585.39
O0915	18.64	35	57**	51.04	12.00	6.21	4.00	0.37	0.50	24.49	1.83	0.00	1.00	4.50	17.50	1	20	22	3	1	2.37	PS					0.00	0.00
O0917	40.81	71	26	43.56	11.50	29.53	21.50	18.48	28.00	13.92	3.20	1.68	4.50	49.50	65.50	1	21	9	3	1	4.25	PS			40.81	2,020.10		
O0924	46.79	100	21	19.30	5.00	10.85	7.50	19.01	26.50	16.75	4.59	1.99	5.50	34.00	44.50	2	34	18	3	1	4.38	PS					46.79	1,590.86
O0925	0.08	94	21S	17.27	4.50	6.18	5.00	11.05	14.00	11.48	2.26	0.00	1.50	19.00	25.00	6	30	12	3	1	3.42	PS					0.08	1.52
O0927	6.85	54	31	62.50	16.19	26.61	19.05	5.78	8.57	12.30	8.16	3.41	10.95	27.62	54.76	1	31	26	3	1	3.22	PS					6.85	189.20
pp460*	10.31	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					10.31	0.00
	308.19																						**0.00**	**0.00**	**49.94**	**2,385.30**	**235.24**	**9,202.97**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0304	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					1.64	94.30
K0304	2007	65382	Beaten Area					7.42	426.65
K0313	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					17.41	989.58
K0313	2007	65382	Beaten Area					10.95	622.40
K0314	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					26.86	575.61
K0315	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					2.04	68.97
O0907	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					52.43	1,808.84
O0907	2007	65382	Beaten Area					4.73	163.19
O0910	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)			9.13	365.20		
O0912	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					0.14	7.98
O0912	2007	65382	Beaten Area					3.59	204.63
O0917	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)			40.60	2,009.70		
O0917	2007	65382	Beaten Area			0.21	10.40		
O0924	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					40.79	1,386.86
O0924	2007	65382	Beaten Area					5.95	202.30
O0927	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					5.60	154.67
O0927	2007	65382	Beaten Area					1.25	34.53
pp460*	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					10.31	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**49.94**	**2,385.30**	**191.11**	**6,740.51**

POST-PROJECT	**2007**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**44.13**	**2,462.46**
TOTAL	**44.13**	**2,462.46**
non-contiguous habitat	**-0.13**	**-3.22**
GRAND TOTAL	**44.00**	**2,459.24**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57** = Scrub Oak (managed for hardwoods)
NM = not managed

* Note: No pine data collected for pine plantation stands less than 30 years old.

Stands O0911, O0924 and O0925 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table D-161. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O10-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0935	0.86	72	21	55.34	15.50	18.58	14.00	11.57	15.00	10.60	5.16	2.81	8.00	29.00	52.50	1	25	21	3	1	0					0.86	24.94
O0942	14.97	89	11	22.89	7.50	10.68	7.50	6.63	10.00	16.34	4.77	4.78	11.00	17.50	36.00	7	15	36	3	1	0					14.97	261.98
O0946	14.95	42	31P	91.89	26.50	49.19	35.00	10.31	13.50	12.71	3.10	2.73	6.50	48.50	81.50	4	8	9	3	1	0			14.95	725.08		
O1010	19.69	53	31	33.66	9.50	10.46	7.50	15.61	25.50	20.67	5.06	2.34	7.00	33.00	49.50	6	27	22	3	1	0			19.69	649.77		
O1012	10.56	22	31P	356.97	94.00	26.74	16.00	0.00	0.00	4.34	0.00	0.00	0.00	16.00	110.00	1	14	0	3	1	0					10.56	168.96
O1018	8.57	22	31P	198.50	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	2	23	0	3	1	0					8.57	0.00
O1019	17.54	61	31	27.01	7.37	15.17	11.05	16.20	25.79	55.15	3.24	3.68	7.89	36.84	52.11	8	12	18	3	1	0			17.54	646.17		
O1020	43.42	86	31	49.52	12.50	15.10	10.50	15.49	22.00	2.78	4.42	2.26	5.50	32.50	50.50	1	30	18	3	1	0	43.42	1,411.15				
O1023	16.37	74	31	164.35	41.50	24.15	15.00	1.54	2.00	17.97	2.81	0.00	2.00	17.00	60.50	2	21	10	3	1	0					16.37	278.29
O1024	12.40	22	21	34.95	11.58	25.30	16.84	7.41	10.53	2.77	2.33	0.41	2.11	27.37	41.05	1	27	8	3	1	0					12.40	339.39
O1027	0.28	76	31	92.30	22.94	29.80	20.00	9.88	13.53	1.69	10.06	2.99	11.18	33.53	67.65	6	26	25	3	1	0			0.28	9.39		
O1301	16.72	76	31	36.42	9.50	8.87	6.50	17.75	27.00	19.29	14.31	3.38	14.50	33.50	57.50	7	21	40	3	1	0			16.72	560.12		
O1305	4.66	81	21	14.31	5.00	10.82	7.00	14.44	19.00	21.90	4.98	1.63	5.50	26.00	36.50	1	22	21	3	1	0					4.66	121.16
pp428*	13.17	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					13.17	0.00
pp429*	6.66	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					6.66	0.00
pp694*	25.30	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					25.30	0.00
pp695*	1.18	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.18	0.00
	227.30																					**43.42**	**1,411.15**	**69.18**	**2,590.53**	**114.70**	**1,194.72**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0942	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					1.06	18.55
O0946	2009	65383	Beaten Area			0.57	27.65		
			TOTAL REMOVALS	**0.00**	**0.00**	**0.57**	**27.65**	**1.06**	**18.55**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**43.42**	**1,411.15**
Potentially Suitable Habitat	**68.61**	**2,562.89**
Future Potential Habitat	**113.64**	**1,176.17**
TOTAL	**225.67**	**5,150.21**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-162. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O10-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0935	0.86	72	21	55.34	15.50	18.58	14.00	11.57	15.00	10.60	5.16	2.81	8.00	29.00	52.50	1	25	21	3	1	3.71	PS					0.86	24.94
O0942	14.97	89	11	22.89	7.50	10.68	7.50	6.63	10.00	16.34	4.77	4.78	11.00	17.50	36.00	7	15	36	3	1	2.94	PS					14.97	261.98
O0946	14.95	42	31P	91.89	26.50	49.19	35.00	10.31	13.50	12.71	3.10	2.73	6.50	48.50	81.50	4	8	9	3	1	3.03	PS					14.95	725.08
O1010	19.69	53	31	33.66	9.50	10.46	7.50	15.61	25.50	20.67	5.06	2.34	7.00	33.00	49.50	6	27	22	3	1	3.72	PS					19.69	649.77
O1012	10.56	22	31P	356.97	94.00	26.74	16.00	0.00	0.00	4.34	0.00	0.00	0.00	16.00	110.00	1	14	0	3	1	2.15	NH					10.56	168.96
O1018	8.57	22	31P	198.50	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	2	23	0	3	1	2.26	NH					8.57	0.00
O1019	17.54	61	31	27.01	7.37	15.17	11.05	16.20	25.79	55.15	3.24	3.68	7.89	36.84	52.11	8	12	18	3	1	3.66	PS					17.54	646.17
O1020	43.42	86	31	49.52	12.50	15.10	10.50	15.49	22.00	2.78	4.42	2.26	5.50	32.50	50.50	1	30	18	3	1	4.10	PS					43.42	1,411.15
O1023	16.37	74	31	164.35	41.50	24.15	15.00	1.54	2.00	17.97	2.81	0.00	2.00	17.00	60.50	2	21	10	3	1	2.81	PS					16.37	278.29
O1024	12.40	22	21	34.95	11.58	25.30	16.84	7.41	10.53	2.77	2.33	0.41	2.11	27.37	41.05	1	27	8	3	1	2.88	NH					12.40	339.39
O1027	0.28	76	31	92.30	22.94	29.80	20.00	9.88	13.53	1.69	10.06	2.99	11.18	33.53	67.65	6	26	25	3	1	3.32	PS					0.28	9.39
O1301	16.72	76	31	36.42	9.50	8.87	6.50	17.75	27.00	19.29	14.31	3.38	14.50	33.50	57.50	7	21	40	3	1	3.75	PS					16.72	560.12
O1305	4.66	81	21	14.31	5.00	10.82	7.00	14.44	19.00	21.90	4.98	1.63	5.50	26.00	36.50	1	22	21	3	1	3.89	PS					4.66	121.16
pp428*	13.17	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					13.17	0.00
pp429*	6.66	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					6.66	0.00
pp694*	25.30	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					25.30	0.00
pp695*	1.18	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.18	0.00
	227.30																						**0.00**	**0.00**	**0.00**	**0.00**	**227.30**	**5,196.40**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0942	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					1.06	18.55
O0946	2009	65383	Beaten Area					0.57	27.65
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**1.63**	**46.20**

POST-PROJECT

	2009	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**225.67**	**5,150.21**
TOTAL	**225.67**	**5,150.21**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-163. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O11-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0429	15.92	61	26P	30.91	9.50	16.50	12.50	11.19	15.00	13.49	1.96	0.50	2.50	27.50	39.50	1	28	8	3	1	0					15.92	437.80
O0430	26.92	55	31	20.19	7.50	16.97	12.00	9.67	16.00	4.06	4.49	0.37	3.50	28.00	39.00	1	37	15	3	1	0					26.92	753.76
O1107	9.27	50	31	34.78	10.50	21.21	14.50	10.87	18.50	18.12	5.11	1.15	5.00	33.00	48.50	1	38	16	3	1	0	9.27	305.91				
O1108	9.11	59	31	37.56	12.22	30.82	23.33	30.64	43.33	0.00	1.62	0.00	1.11	66.67	80.00	1	51	3	3	1	1	9.11	607.36				
O1109	4.52	52	13	20.34	8.00	15.97	12.00	0.00	0.00	41.97	2.20	1.90	4.00	12.00	24.00	5	15	20	3	1	0					4.52	54.24
O1110	12.10	81	26	25.60	8.00	23.88	16.50	17.85	27.00	11.83	3.34	0.80	3.50	43.50	55.00	1	29	9	3	1	1	12.10	526.35				
O1111	10.57	42	13	37.92	12.00	24.60	17.50	12.35	17.00	50.31	3.81	0.75	3.50	34.50	50.00	7	11	11	3	1	0			10.57	364.67		
O1114	4.55	64	66**	13.86	3.50	1.14	1.00	5.33	8.00	28.53	17.15	4.29	16.50	9.00	29.00	6	23	77	3	1	0					0.00	0.00
O1115	6.41	73	31	71.97	20.53	28.95	20.00	10.59	14.21	20.28	8.07	1.42	7.37	34.21	62.11	1	21	19	3	1	0			6.41	219.29		
O1119	19.63	97	21	0.00	0.00	7.29	6.00	53.17	78.00	0.00	1.17	0.97	2.50	84.00	86.50	1	28	3	3	1	1	19.63	1,648.92				
O1122	10.93	53	31	11.27	3.50	16.55	12.50	19.50	32.00	13.07	8.61	3.28	11.00	44.50	59.00	1	23	25	3	1	0	10.93	486.39				
O1130	7.50	81	21	47.33	15.71	41.06	27.14	6.76	11.43	8.68	0.00	0.00	0.00	38.57	54.29	1	19	0	3	1	0	7.50	289.28				
O1131	7.06	21	10	24.35	7.14	0.00	0.00	11.32	18.57	20.35	10.72	0.92	8.57	18.57	34.29	2	20	51	3	1	0					0.00	0.00
O1132	5.45	79	31	109.12	32.00	56.21	42.00	9.19	12.00	4.53	0.00	0.00	0.00	54.00	86.00	2	22	0	3	1	0			5.45	294.30		
pp336*	1.93	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.93	0.00
pp385*	0.04	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.04	0.00
pp702*	2.47	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.47	0.00
pp703*	20.02	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					20.02	0.00
	174.40																					**68.54**	**3,864.21**	**22.43**	**878.26**	**71.82**	**1,245.80**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1107	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	0.18	5.94				
O1115	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			1.64	56.10		
O1122	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	3.17	141.07				
O1132	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			1.17	63.18		
pp702*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					1.96	0.00
pp703*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					18.09	0.00
			2009 SUB-TOTAL	**3.35**	**147.01**	**2.81**	**119.28**	**20.05**	**0.00**
O0430	2010	65554	Construct Installation-Wide Roads, Paved					0.15	4.20
O1107	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.14	37.62				
O1107	2010	65554	Construct Installation-Wide Roads, Paved	0.03	0.99				
O1108	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.57	38.00				
O1122	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.20	8.90				
O1132	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.04	2.16		
pp385*	2010	65554	Construct Installation-Wide Roads, Paved					0.04	0.00
			2010 SUB-TOTAL	**1.94**	**85.51**	**0.04**	**2.16**	**0.19**	**4.20**
			TOTAL REMOVALS	**5.29**	**232.52**	**2.85**	**121.44**	**20.24**	**4.20**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**65.19**	**3,717.20**	**63.25**	**3,631.69**
Potentially Suitable Habitat	**19.62**	**758.98**	**19.58**	**756.82**
Future Potential Habitat	**51.77**	**1,245.80**	**51.58**	**1,241.60**
TOTAL	**136.58**	**5,721.98**	**134.41**	**5,630.11**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
66** = Oak-Hickory (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-164. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O11-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0429	15.92	61	26P	30.91	9.50	16.50	12.50	11.19	15.00	13.49	1.96	0.50	2.50	27.50	39.50	1	28	8	3	1	3.76	PS					15.92	437.80
O0430	26.92	55	31	20.19	7.50	16.97	12.00	9.67	16.00	4.06	4.49	0.37	3.50	28.00	39.00	1	37	15	3	1	3.74	PS					26.92	753.76
O1107	9.27	50	31	34.78	10.50	21.21	14.50	10.87	18.50	18.12	5.11	1.15	5.00	33.00	48.50	1	38	16	3	1	3.74	PS					9.27	305.91
O1108	9.11	59	31	37.56	12.22	30.82	23.33	30.64	43.33	0.00	1.62	0.00	1.11	66.67	80.00	1	51	3	3	1	4.33	PS					9.11	607.36
O1109	4.52	52	13	20.34	8.00	15.97	12.00	0.00	0.00	41.97	2.20	1.90	4.00	12.00	24.00	5	15	20	3	1	2.48	PS					4.52	54.24
O1110	12.10	81	26	25.60	8.00	23.88	16.50	17.85	27.00	11.83	3.34	0.80	3.50	43.50	55.00	1	29	9	3	1	4.17	PS					12.10	526.35
O1111	10.57	42	13	37.92	12.00	24.60	17.50	12.35	17.00	50.31	3.81	0.75	3.50	34.50	50.00	7	11	11	3	1	3.05	PS					10.57	364.67
O1114	4.55	64	66**	13.86	3.50	1.14	1.00	5.33	8.00	28.53	17.15	4.29	16.50	9.00	29.00	6	23	77	3	1	3.03	PS					0.00	0.00
O1115	6.41	73	31	71.97	20.53	28.95	20.00	10.59	14.21	20.28	8.07	1.42	7.37	34.21	62.11	1	21	19	3	1	3.60	PS					6.41	219.29
O1119	19.63	97	21	0.00	0.00	7.29	6.00	53.17	78.00	0.00	1.17	0.97	2.50	84.00	86.50	1	28	3	3	1	4.33	PS			19.63	1,648.92		
O1122	10.93	53	31	11.27	3.50	16.55	12.50	19.50	32.00	13.07	8.61	3.28	11.00	44.50	59.00	1	23	25	3	1	4.19	PS					10.93	486.39
O1130	7.50	81	21	47.33	15.71	41.06	27.14	6.76	11.43	8.68	0.00	0.00	0.00	38.57	54.29	1	19	0	3	1	3.37	PS					7.50	289.28
O1131	7.06	21	10	24.35	7.14	0.00	0.00	11.32	18.57	20.35	10.72	0.92	8.57	18.57	34.29	2	20	51	3	1	3.12	NH					0.00	0.00
O1132	5.45	79	31	109.12	32.00	56.21	42.00	9.19	12.00	4.53	0.00	0.00	0.00	54.00	86.00	2	22	0	3	1	3.56	PS					5.45	294.30
pp336*	1.93	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.93	0.00
pp385*	0.04	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.04	0.00
pp702*	2.47	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.47	0.00
pp703*	20.02	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					20.02	0.00
	174.40																						**0.00**	**0.00**	**19.63**	**1,648.92**	**143.16**	**4,339.35**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1107	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.18	5.94
O1115	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					1.64	56.10
O1122	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					3.17	141.07
O1132	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					1.17	63.18
pp702*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					1.96	0.00
pp703*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					18.09	0.00
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**26.21**	**266.29**
O0430	2010	65554	Construct Installation-Wide Roads, Paved					0.15	4.20
O1107	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.14	37.62
O1107	2010	65554	Construct Installation-Wide Roads, Paved					0.03	0.99
O1108	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.57	38.00
O1122	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.20	8.90
O1132	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.04	2.16
pp385*	2010	65554	Construct Installation-Wide Roads, Paved					0.04	0.00
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**2.17**	**91.87**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**28.38**	**358.16**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**19.63**	**1,648.92**	**19.63**	**1,648.92**
Future Potential Habitat	**116.95**	**4,073.06**	**114.78**	**3,981.19**
TOTAL	**136.58**	**5,721.98**	**134.41**	**5,630.11**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
66** = Oak-Hickory (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-165. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O12-04R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
L0303	0.04	83	31	14.82	4.50	12.23	9.00	13.81	21.00	1.77	2.02	1.78	3.50	30.00	38.00	1	40	13	3	1	0	0.04	1.20				
L0305	2.64	43	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	0					2.64	73.92
O1226	8.62	52	31	33.85	11.00	25.14	18.00	10.82	14.50	7.73	1.89	0.96	2.50	32.50	46.00	1	27	7	3	1	0	8.62	280.15				
O1230	7.97	49	26	7.63	2.50	8.77	6.50	12.49	19.50	14.20	5.45	2.55	7.50	26.00	36.00	7	22	27	3	1	0					7.97	207.22
O1233	74.76	72	21	9.48	3.00	11.64	8.50	8.63	12.50	10.66	4.06	0.88	4.00	21.00	28.00	6	27	20	3	1	0					74.76	1,569.96
O1236	11.45	94	31	17.59	5.50	8.36	6.00	5.84	7.50	49.36	12.90	5.98	18.00	13.50	37.00	7	11	57	3	1	0					11.45	154.58
O1237	17.75	49	31	16.19	4.50	8.36	6.00	10.79	17.50	5.76	1.59	0.30	1.50	23.50	29.50	1	28	9	3	1	0					17.75	417.13
O1238	1.27	94	31	47.23	10.00	37.04	28.33	14.80	20.00	0.00	0.00	3.78	6.67	48.33	65.00	3	25	7	3	1	1	0.00	0.00				
O1339	5.24	49	31	25.03	6.67	10.56	7.22	9.15	14.44	6.91	0.72	1.56	3.33	21.67	31.67	1	36	10	3	1	0					5.24	113.55
pp364*	4.45	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.45	0.00
pp484*	15.81	17	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					15.81	0.00
pp624*	0.55	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.55	0.00
	150.55																					**8.66**	**281.35**	**0.00**	**0.00**	**140.62**	**2,536.36**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1237	2010	65557	Repair/ Upgrade Existing Training Area Roads					4.89	114.92
O1339	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.55	11.92
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**5.44**	**126.84**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**8.66**	**281.35**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**135.18**	**2,409.52**
TOTAL	**143.84**	**2,690.87**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-166. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O12-04R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
L0303	0.04	83	31	14.82	4.50	12.23	9.00	13.81	21.00	1.77	2.02	1.78	3.50	30.00	38.00	1	40	13	3	1	4.28	PS					0.04	1.20
L0305	2.64	43	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	2.70	PS					2.64	73.92
O1226	8.62	52	31	33.85	11.00	25.14	18.00	10.82	14.50	7.73	1.89	0.96	2.50	32.50	46.00	1	27	7	3	1	3.44	PS					8.62	280.15
O1230	7.97	49	26	7.63	2.50	8.77	6.50	12.49	19.50	14.20	5.45	2.55	7.50	26.00	36.00	7	22	27	3	1	3.12	PS					7.97	207.22
O1233	74.76	72	21	9.48	3.00	11.64	8.50	8.63	12.50	10.66	4.06	0.88	4.00	21.00	28.00	6	27	20	3	1	3.22	PS					74.76	1,569.96
O1236	11.45	94	31	17.59	5.50	8.36	6.00	5.84	7.50	49.36	12.90	5.98	18.00	13.50	37.00	7	11	57	3	1	2.81	PS					11.45	154.58
O1237	17.75	49	31	16.19	4.50	8.36	6.00	10.79	17.50	5.76	1.59	0.30	1.50	23.50	29.50	1	28	9	3	1	3.46	PS					17.75	417.13
O1238	1.27	94	31	47.23	10.00	37.04	28.33	14.80	20.00	0.00	0.00	3.78	6.67	48.33	65.00	3	25	7	3	1	3.47	PS					0.00	0.00
O1339	5.24	49	31	25.03	6.67	10.56	7.22	9.15	14.44	6.91	0.72	1.56	3.33	21.67	31.67	1	36	10	3	1	3.41	PS					5.24	113.55
pp364*	4.45	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.45	0.00
pp484*	15.81	17	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					15.81	0.00
pp624*	0.55	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.55	0.00
	150.55																						**0.00**	**0.00**	**0.00**	**0.00**	**149.28**	**2,817.71**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1237	2010	65557	Repair/ Upgrade Existing Training Area Roads					4.89	114.92
O1339	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.55	11.92
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**5.44**	**126.84**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**143.84**	**2,690.87**
TOTAL	**143.84**	**2,690.87**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-167. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O14-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O1405	0.34	84	10	32.84	11.00	15.71	10.50	3.87	5.00	34.38	8.04	1.57	7.50	15.50	34.00	1	25	33	3	1	0					0.34	5.27
O1407	31.84	63	31	40.81	12.50	9.94	7.00	12.07	20.50	25.79	2.21	2.86	6.00	27.50	46.00	1	20	19	3	1	0					31.84	875.60
O1408	29.02	48	31	18.29	5.29	15.36	11.18	17.95	28.82	5.95	1.61	0.33	1.76	40.00	47.06	1	20	6	3	1	1	29.02	1,160.80				
O1415	14.52	61	21	2.67	1.00	9.17	7.00	8.17	13.00	14.26	2.85	1.76	4.50	20.00	25.50	1	21	21	3	1	0					14.52	290.40
O1416	59.46	64	26	35.65	9.00	14.82	10.50	7.33	10.50	5.15	1.61	1.20	3.50	21.00	33.50	7	22	11	3	1	0					59.46	1,248.66
O1417	17.52	65	31	29.64	8.00	17.15	12.50	12.89	19.00	14.72	6.46	3.00	9.50	31.50	49.00	2	20	24	3	1	0	17.52	551.88				
O1418	60.14	93	21	10.78	3.50	10.89	8.50	18.45	27.00	10.30	2.30	0.28	2.00	35.50	41.00	2	31	8	3	1	0	60.14	2,134.97				
O1420	13.61	48	31	38.74	10.50	38.39	28.50	11.58	15.00	1.59	0.00	0.00	0.00	43.50	54.00	2	51	0	3	1	1	13.61	592.04				
O1423	0.48	86	42**	11.70	3.50	12.76	9.50	9.76	14.50	26.77	19.26	3.01	18.00	24.00	45.50	7	24	50	3	1	0					0.00	0.00
O1431	12.32	77	21	62.86	16.50	18.56	12.50	9.28	14.00	7.33	1.12	2.78	5.50	26.50	48.50	6	15	12	3	1	0					12.32	326.48
pp754*	10.31	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					10.31	0.00
pp966*	0.01	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
	249.58																					**120.29**	**4,439.69**	**0.00**	**0.00**	**128.79**	**2,746.41**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1405	2008	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.34	5.27
O1408	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	8.02	320.80				
O1415	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					14.04	280.80
O1416	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					35.02	735.42
O1417	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	2.29	72.14				
O1418	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	10.51	373.11				
O1420	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	11.32	492.42				
pp754*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					8.44	0.00
			TOTAL REMOVALS	**32.14**	**1,258.47**	**0.00**	**0.00**	**57.84**	**1,021.49**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**88.15**	**3,181.22**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**70.95**	**1,724.92**
SUB-TOTAL	**159.10**	**4,906.14**
non-contiguous habitat	**-95.28**	**-2,817.80**
TOTAL	**63.82**	**2,088.34**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands O1407, O1408, O1415, O1416, O1417 and O1420 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from this stand were not considered.

Table D-168. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O14-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O1405	0.34	84	10	32.84	11.00	15.71	10.50	3.87	5.00	34.38	8.04	1.57	7.50	15.50	34.00	1	25	33	3	1	3.05	PS					0.34	5.27
O1407	31.84	63	31	40.81	12.50	9.94	7.00	12.07	20.50	25.79	2.21	2.86	6.00	27.50	46.00	1	20	19	3	1	3.75	PS					31.84	875.60
O1408	29.02	48	31	18.29	5.29	15.36	11.18	17.95	28.82	5.95	1.61	0.33	1.76	40.00	47.06	1	20	6	3	1	3.45	PS					29.02	1,160.80
O1415	14.52	61	21	2.67	1.00	9.17	7.00	8.17	13.00	14.26	2.85	1.76	4.50	20.00	25.50	1	21	21	3	1	3.44	PS					14.52	290.40
O1416	59.46	64	26	35.65	9.00	14.82	10.50	7.33	10.50	5.15	1.61	1.20	3.50	21.00	33.50	7	22	11	3	1	3.06	PS					59.46	1,248.66
O1417	17.52	65	31	29.64	8.00	17.15	12.50	12.89	19.00	14.72	6.46	3.00	9.50	31.50	49.00	2	20	24	3	1	3.76	PS					17.52	551.88
O1418	60.14	93	21	10.78	3.50	10.89	8.50	18.45	27.00	10.30	2.30	0.28	2.00	35.50	41.00	2	31	8	3	1	4.38	PS					60.14	2,134.97
O1420	13.61	48	31	38.74	10.50	38.39	28.50	11.58	15.00	1.59	0.00	0.00	0.00	43.50	54.00	2	51	0	3	1	3.75	PS					13.61	592.04
O1423	0.48	86	42**	11.70	3.50	12.76	9.50	9.76	14.50	26.77	19.26	3.01	18.00	24.00	45.50	7	24	50	3	1	3.25	PS					0.00	0.00
O1431	12.32	77	21	62.86	16.50	18.56	12.50	9.28	14.00	7.33	1.12	2.78	5.50	26.50	48.50	6	15	12	3	1	3.17	PS					12.32	326.48
pp754*	10.31	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					10.31	0.00
pp966	0.01	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
	249.58																						**0.00**	**0.00**	**0.00**	**0.00**	**249.08**	**7,186.10**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1405	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.34	5.27
O1408	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					8.02	320.80
O1415	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					14.04	280.80
O1416	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					35.02	735.42
O1417	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					2.29	72.14
O1418	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					10.51	373.11
O1420	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					11.32	492.42
pp754*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					8.44	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**89.98**	**2,279.96**

POST-PROJECT

	2009	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**159.10**	**4,906.14**
SUB-TOTAL	**159.10**	**4,906.14**
non-contiguous habitat	**-95.28**	**-2,817.80**
TOTAL	**63.82**	**2,088.34**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands O1407, O1408, O1415, O1416, O1417 and O1420 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from this stand were not considered.

Table D-169. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O14-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O1309	1.11	81	31	6.12	2.00	6.06	5.00	8.84	13.00	25.47	14.17	3.82	15.00	18.00	35.00	1	21	55	3	1	0					0.00	0.00
O1318	0.19	54	31	10.66	2.50	15.06	11.00	12.06	17.00	9.85	7.63	2.89	11.00	28.00	41.50	1	23	28	3	1	0					0.00	0.00
O1408	0.92	48	31	18.29	5.29	15.36	11.18	17.95	28.82	5.95	1.61	0.33	1.76	40.00	47.06	1	20	6	3	1	1	0.92	36.80				
O1409	8.14	38	31	20.40	5.50	10.63	7.50	18.26	27.50	26.22	11.86	1.62	10.50	35.00	51.00	1	20	32	3	1	0	8.14	284.90				
O1413	22.86	92	31U	0.00	0.00	1.10	1.00	14.76	27.50	2.55	0.00	0.25	0.50	28.50	29.00	1	23	2	3	1	0					22.86	651.51
O1420	0.87	48	31	38.74	10.50	38.39	28.50	11.58	15.00	1.59	0.00	0.00	0.00	43.50	54.00	2	51	0	3	1	1	0.00	0.00				
O1421	25.28	45	31	24.26	7.78	14.70	10.56	11.23	17.22	9.49	2.56	1.10	3.89	27.78	39.44	8	13	12	3	1	0					25.28	702.28
O1422	35.81	83	21	33.94	10.50	11.39	9.00	25.59	43.00	1.11	3.80	0.69	3.50	52.00	66.00	2	28	11	3	1	1	35.81	1,862.12				
O1515	9.85	62	21P	6.36	2.50	10.34	8.50	8.02	12.00	7.05	4.65	2.87	8.50	20.50	31.50	1	14	29	3	1	0					0.00	0.00
O1517	10.38	25	31P	268.81	76.67	5.76	3.33	0.00	0.00	0.00	0.00	0.00	0.00	3.33	80.00	6	10	0	3	1	0					0.00	0.00
pp340*	11.59	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					11.59	0.00
pp920*	3.42	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp921*	0.22	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.22	0.00
pp922*	7.00	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					7.00	0.00
	137.64																					**44.87**	**2,183.82**	**0.00**	**0.00**	**66.95**	**1,353.79**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1408	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	0.71	28.40				
O1409	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	6.76	236.60				
O1413	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					4.73	134.81
O1421	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					7.75	215.30
O1422	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	20.25	1,053.00				
pp340*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					10.75	0.00
pp921*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.01	0.00
pp922*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					6.90	0.00
			TOTAL REMOVALS	**27.72**	**1,318.00**	**0.00**	**0.00**	**30.14**	**350.11**

POST-PROJECT

	2009	
	Acres	**BA**
Suitable Habitat	**17.15**	**865.82**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**36.81**	**1,003.68**
SUB-TOTAL	**53.96**	**1,869.50**
non-contiguous habitat	**-1.59**	**-56.70**
TOTAL	**52.37**	**1,812.80**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine
31U = Loblolly Pine Underplanted

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stands O1408 and O1409 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from these stands were not considered.

Table D-170. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O14-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O1309	1.11	81	31	6.12	2.00	6.06	5.00	8.84	13.00	25.47	14.17	3.82	15.00	18.00	35.00	1	21	55	3	1	3.39	PS					0.00	0.00
O1318	0.19	54	31	10.66	2.50	15.06	11.00	12.06	17.00	9.85	7.63	2.89	11.00	28.00	41.50	1	23	28	3	1	3.65	PS					0.00	0.00
O1408	0.92	48	31	18.29	5.29	15.36	11.18	17.95	28.82	5.95	1.61	0.33	1.76	40.00	47.06	1	20	6	3	1	3.45	PS					0.92	36.80
O1409	8.14	38	31	20.40	5.50	10.63	7.50	18.26	27.50	26.22	11.86	1.62	10.50	35.00	51.00	1	20	32	3	1	3.75	PS					8.14	284.90
O1413	22.86	92	31U	0.00	0.00	1.10	1.00	14.76	27.50	2.55	0.00	0.25	0.50	28.50	29.00	1	23	2	3	1	4.08	PS					22.86	651.51
O1420	0.87	48	31	38.74	10.50	38.39	28.50	11.58	15.00	1.59	0.00	0.00	0.00	43.50	54.00	2	51	0	3	1	3.75	PS					0.00	0.00
O1421	25.28	45	31	24.26	7.78	14.70	10.56	11.23	17.22	9.49	2.56	1.10	3.89	27.78	39.44	8	13	12	3	1	3.05	PS					25.28	702.28
O1422	35.81	83	21	33.94	10.50	11.39	9.00	25.59	43.00	1.11	3.80	0.69	3.50	52.00	66.00	2	28	11	3	1	4.27	PS			35.81	1,862.12		
O1515	9.85	62	21P	6.36	2.50	10.34	8.50	8.02	12.00	7.05	4.65	2.87	8.50	20.50	31.50	1	14	29	3	1	3.34	PS					0.00	0.00
O1517	10.38	25	31P	268.81	76.67	5.76	3.33	0.00	0.00	0.00	0.00	0.00	0.00	3.33	80.00	6	10	0	3	1	1.93	NH					0.00	0.00
pp340*	11.59	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					11.59	0.00
pp920*	3.42	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp921*	0.22	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.22	0.00
pp922*	7.00	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					7.00	0.00
	137.64																						**0.00**	**0.00**	**35.81**	**1,862.12**	**76.01**	**1,675.49**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1408	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.71	28.40
O1409	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					6.76	236.60
O1413	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					4.73	134.81
O1421	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					7.75	215.30
O1422	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			20.25	1,053.00		
pp340*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					10.75	0.00
pp921*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.01	0.00
pp922*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					6.90	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**20.25**	**1,053.00**	**37.61**	**615.11**

POST-PROJECT **2009**

	Acres	BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**15.56**	**809.12**
Future Potential Habitat	**38.40**	**1,060.38**
SUB-TOTAL	**53.96**	**1,869.50**
non-contiguous habitat	**-1.59**	**-56.70**
TOTAL	**52.37**	**1,812.80**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine
31U = Loblolly Pine Underplanted

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stands O1408 and O1409 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from these stands were not considered.

Table D-171. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O14-03R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0103	11.15	62	31	46.03	13.50	24.64	17.50	16.79	28.00	14.35	9.33	4.40	12.00	45.50	71.00	1	19	25	3	2	0	11.15	507.33				
M0106	11.25	85	13	31.40	9.50	15.56	10.50	9.79	15.50	30.94	14.12	5.15	18.50	26.00	54.00	1	11	43	3	2	0					0.00	0.00
M0202	8.48	54	31	13.65	5.00	40.83	30.00	8.33	11.25	0.00	1.57	1.17	2.50	41.25	48.75	1	29	5	3	2	1	8.48	349.80				
M0207	1.19	67	31	37.21	13.00	23.70	15.50	10.35	16.50	5.29	1.99	1.78	4.00	32.00	49.00	1	32	10	3	2	0	0.00	0.00				
O1418	4.82	93	21	10.78	3.50	10.89	8.50	18.45	27.00	10.30	2.30	0.28	2.00	35.50	41.00	2	31	8	3	1	0	4.82	171.11				
O1420	41.04	48	31	38.74	10.50	38.39	28.50	11.58	15.00	1.59	0.00	0.00	0.00	43.50	54.00	2	51	0	3	1	1	41.04	1,785.24				
O1421	26.39	45	31	24.26	7.78	14.70	10.56	11.23	17.22	9.49	2.56	1.10	3.89	27.78	39.44	8	13	12	3	1	0					26.39	733.11
O1427	10.40	64	31	45.32	12.00	28.41	21.00	25.58	36.50	4.73	1.97	0.30	1.50	57.50	71.00	2	26	4	3	1	1	10.40	598.00				
O1428	37.15	46	31	27.23	8.42	22.76	16.32	13.72	19.47	16.78	6.22	1.45	5.79	35.79	50.00	1	24	17	3	1	0	37.15	1,329.60				
O1431	7.74	77	21	62.86	16.50	18.56	12.50	9.28	14.00	7.33	1.12	2.78	5.50	26.50	48.50	6	15	12	3	1	0					7.74	205.11
O1432	28.32	62	31	18.83	5.50	11.50	8.00	20.25	33.50	24.94	5.21	2.21	7.00	41.50	54.00	2	23	19	3	1	1	28.32	1,175.28				
O1434	21.03	62	31	10.59	2.78	19.07	14.44	22.26	33.33	2.65	0.68	1.74	3.33	47.78	53.89	1	24	6	3	1	1	21.03	1,004.81				
pp149*	3.77	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.77	0.00
pp746*	1.47	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.47	0.00
pp754*	9.62	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					9.62	0.00
pp818*	12.65	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					12.65	0.00
pp819*	22.77	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					22.77	0.00
	259.24																					**162.39**	**6,921.17**	**0.00**	**0.00**	**84.41**	**938.22**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1420	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	39.77	1,730.00				
O1421	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					20.13	559.21
O1427	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	10.40	598.00				
O1428	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	35.28	1,262.67				
O1432	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	27.71	1,149.97				
O1434	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	18.49	883.45				
pp149*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					2.65	0.00
pp746*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					1.47	0.00
pp754*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					1.87	0.00
pp818*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					11.20	0.00
			TOTAL REMOVALS	**131.65**	**5,624.09**	**0.00**	**0.00**	**37.32**	**559.21**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**30.74**	**1,297.08**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**47.09**	**379.01**
SUB-TOTAL	**77.83**	**1,676.09**
non-contiguous habitat	**-27.09**	**-588.54**
TOTAL	**50.74**	**1,087.55**

Key:

BA= basal area

dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21P = Longleaf Pine Plantation
31 = Loblolly Pine

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stands O1418, O1420, O1421, O1428, O1434, pp149, pp754, pp818 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from these stands were not considered.

Table D-172. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O14-03R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0103	11.15	62	31	46.03	13.50	24.64	17.50	16.79	28.00	14.35	9.33	4.40	12.00	45.50	71.00	1	19	25	3	2	4.15	PS					11.15	507.33
M0106	11.25	85	13	31.40	9.50	15.56	10.50	9.79	15.50	30.94	14.12	5.15	18.50	26.00	54.00	1	11	43	3	2	3.76	PS					0.00	0.00
M0202	8.48	54	31	13.65	5.00	40.83	30.00	8.33	11.25	0.00	1.57	1.17	2.50	41.25	48.75	1	29	5	3	2	3.61	PS					8.48	349.80
M0207	1.19	67	31	37.21	13.00	23.70	15.50	10.35	16.50	5.29	1.99	1.78	4.00	32.00	49.00	1	32	10	3	2	3.98	PS					0.00	0.00
O1418	4.82	93	21	10.78	3.50	10.89	8.50	18.45	27.00	10.30	2.30	0.28	2.00	35.50	41.00	2	31	8	3	1	4.38	PS					4.82	171.11
O1420	41.04	48	31	38.74	10.50	38.39	28.50	11.58	15.00	1.59	0.00	0.00	0.00	43.50	54.00	2	51	0	3	1	3.75	PS					41.04	1,785.24
O1421	26.39	45	31	24.26	7.78	14.70	10.56	11.23	17.22	9.49	2.56	1.10	3.89	27.78	39.44	8	13	12	3	1	3.05	PS					26.39	733.11
O1427	10.40	64	31	45.32	12.00	28.41	21.00	25.58	36.50	4.73	1.97	0.30	1.50	57.50	71.00	2	26	4	3	1	4.25	PS			10.40	598.00		
O1428	37.15	46	31	27.23	8.42	22.76	16.32	13.72	19.47	16.78	6.22	1.45	5.79	35.79	50.00	1	24	17	3	1	3.69	PS					37.15	1,329.60
O1431	7.74	77	21	62.86	16.50	18.56	12.50	9.28	14.00	7.33	1.12	2.78	5.50	26.50	48.50	6	15	12	3	1	3.17	PS					7.74	205.11
O1432	28.32	62	31	18.83	5.50	11.50	8.00	20.25	33.50	24.94	5.21	2.21	7.00	41.50	54.00	2	23	19	3	1	4.33	PS			28.32	1,175.28		
O1434	21.03	62	31	10.59	2.78	19.07	14.44	22.26	33.33	2.65	0.68	1.74	3.33	47.78	53.89	1	24	6	3	1	4.33	PS			21.03	1,004.81		
pp149*	3.77	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.77	0.00
pp746*	1.47	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.47	0.00
pp754*	9.62	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					9.62	0.00
pp818*	12.65	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					12.65	0.00
pp819*	22.77	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					22.77	0.00
	259.24																						**0.00**	**0.00**	**59.75**	**2,778.09**	**187.05**	**5,081.30**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1420	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					39.77	1,730.00
O1421	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					20.13	559.21
O1427	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			10.40	598.00		
O1428	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					35.28	1,262.67
O1432	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			27.71	1,149.97		
O1434	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			18.49	883.45		
pp149*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					2.65	0.00
pp746*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					1.47	0.00
pp754*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					1.87	0.00
pp818*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					11.20	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**56.60**	**2,631.42**	**112.37**	**3,551.88**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**3.15**	**146.67**
Future Potential Habitat	**74.68**	**1,529.42**
SUB-TOTAL	**77.83**	**1,676.09**
non-contiguous habitat	**-27.09**	**-588.54**
TOTAL	**50.74**	**1,087.55**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21P = Longleaf Pine Plantation
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stands O1418, O1420, O1421, O1428, O1434, pp149, pp754, pp818 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from these stands were not considered.

Table D-173. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O15-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O1127	23.60	23	31P	151.64	50.00	45.56	26.00	0.00	0.00	12.44	0.00	0.00	0.00	26.00	76.00	1	15	0	3	1	0					0.00	0.00
O1408	10.02	48	31	18.29	5.29	15.36	11.18	17.95	28.82	5.95	1.61	0.33	1.76	40.00	47.06	1	20	6	3	1	1	10.02	400.80				
O1409	23.67	38	31	20.40	5.50	10.63	7.50	18.26	27.50	26.22	11.86	1.62	10.50	35.00	51.00	1	20	32	3	1	0	23.67	828.45				
O1416	1.95	64	26	35.65	9.00	14.82	10.50	7.33	10.50	5.15	1.61	1.20	3.50	21.00	33.50	7	22	11	3	1	0					1.95	40.95
O1511	2.53	49	31	15.11	3.00	5.34	4.00	9.50	15.00	3.09	0.00	0.30	1.00	19.00	23.00	1	38	2	3	1	0					2.53	48.07
O1512	24.54	74	31	21.83	5.50	14.65	10.50	10.68	16.50	2.29	6.24	2.70	8.00	27.00	40.50	1	35	26	3	1	0					24.54	662.58
O1515	35.50	62	21P	6.36	2.50	10.34	8.50	8.02	12.00	7.05	4.65	2.87	8.50	20.50	31.50	1	14	29	3	1	0					35.50	727.75
O1517	1.03	25	31P	268.81	76.67	5.76	3.33	0.00	0.00	0.00	0.00	0.00	0.00	3.33	80.00	6	10	0	3	1	0					1.03	3.43
pp430*	7.31	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp920*	16.42	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					16.42	0.00
	146.57																					**33.69**	**1,229.25**	**0.00**	**0.00**	**81.97**	**1,482.78**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1409	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	2.11	73.85				
O1511	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.84	15.96
O1512	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					1.27	34.29
O1515	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					22.96	470.68
pp920*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.52	0.00
			2009 SUB-TOTAL	**2.11**	**73.85**	**0.00**	**0.00**	**25.59**	**520.93**
O1408	2010	65554	Construct Installation-Wide Roads, Paved	0.22	8.80				
O1409	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.59	20.65				
O1416	2010	65554	Construct Installation-Wide Roads, Paved					0.91	19.11
O1511	2010	65554	Construct Installation-Wide Roads, Paved					0.67	12.73
O1512	2010	65554	Construct Installation-Wide Roads, Paved					0.34	9.18
			2010 SUB-TOTAL	**0.81**	**29.45**	**0.00**	**0.00**	**1.92**	**41.02**
			TOTAL REMOVALS	**2.92**	**103.30**	**0.00**	**0.00**	**27.51**	**561.95**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**31.58**	**1,155.40**	**30.77**	**1,125.95**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**56.38**	**961.85**	**54.46**	**920.83**
TOTAL	**87.96**	**2,117.25**	**85.23**	**2,046.78**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-174. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O15-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O1127	23.60	23	31P	151.64	50.00	45.56	26.00	0.00	0.00	12.44	0.00	0.00	0.00	26.00	76.00	1	15	0	3	1	2.21	NH					0.00	0.00
O1408	10.02	48	31	18.29	5.29	15.36	11.18	17.95	28.82	5.95	1.61	0.33	1.76	40.00	47.06	1	20	6	3	1	3.45	PS					10.02	400.80
O1409	23.67	38	31	20.40	5.50	10.63	7.50	18.26	27.50	26.22	11.86	1.62	10.50	35.00	51.00	1	20	32	3	1	3.75	PS					23.67	828.45
O1416	1.95	64	26	35.65	9.00	14.82	10.50	7.33	10.50	5.15	1.61	1.20	3.50	21.00	33.50	7	22	11	3	1	3.06	PS					1.95	40.95
O1511	2.53	49	31	15.11	3.00	5.34	4.00	9.50	15.00	3.09	0.00	0.30	1.00	19.00	23.00	1	38	2	3	1	3.51	PS					2.53	48.07
O1512	24.54	74	31	21.83	5.50	14.65	10.50	10.68	16.50	2.29	6.24	2.70	8.00	27.00	40.50	1	35	26	3	1	3.87	PS					24.54	662.58
O1515	35.50	62	21P	6.36	2.50	10.34	8.50	8.02	12.00	7.05	4.65	2.87	8.50	20.50	31.50	1	14	29	3	1	3.34	PS					35.50	727.75
O1517	1.03	25	31P	268.81	76.67	5.76	3.33	0.00	0.00	0.00	0.00	0.00	0.00	3.33	80.00	6	10	0	3	1	1.93	NH					1.03	3.43
pp430*	7.31	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp920*	16.42	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					16.42	0.00
	146.57																						**0.00**	**0.00**	**0.00**	**0.00**	**115.66**	**2,712.03**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1409	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					2.11	73.85
O1511	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.84	15.96
O1512	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					1.27	34.29
O1515	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					22.96	470.68
pp920*	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.52	0.00
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**27.70**	**594.78**
O1408	2010	65557	Construct Installation-Wide Roads, Paved					0.22	8.80
O1409	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.59	20.65
O1416	2010	65554	Construct Installation-Wide Roads, Paved					0.91	19.11
O1511	2010	65554	Construct Installation-Wide Roads, Paved					0.67	12.73
O1512	2010	65554	Construct Installation-Wide Roads, Paved					0.34	9.18
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**2.73**	**70.47**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**30.43**	**665.25**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**87.96**	**2,117.25**	**85.23**	**2,046.78**
TOTAL	**87.96**	**2,117.25**	**85.23**	**2,046.78**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-175. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O15-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O1402	14.84	79	21	3.60	1.00	6.57	5.00	21.15	31.00	11.40	3.05	3.10	7.00	36.00	44.00	1	20	18	3	1	0	14.84	534.24				
O1404	0.08	17	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
O1407	16.36	62	31	40.81	12.50	9.94	7.00	12.07	20.50	25.79	2.21	2.86	6.00	27.50	46.00	1	20	19	3	1	0					16.36	449.90
O1416	11.77	63	26	35.65	9.00	14.82	10.50	7.33	10.50	5.15	1.61	1.20	3.50	21.00	33.50	7	22	11	3	1	0					11.77	247.17
O1505	0.53	78	31	4.21	1.00	16.16	12.50	15.84	25.50	10.31	6.73	2.85	9.50	38.00	48.50	1	29	23	3	1	0	0.53	20.14				
O1508	3.67	62	31	35.13	9.00	16.67	12.50	16.77	23.00	2.55	0.00	0.65	1.00	35.50	45.50	1	30	2	3	1	0	3.67	130.29				
O1510	53.62	73	21	17.79	5.00	9.59	7.00	16.57	28.50	1.63	4.66	4.07	9.00	35.50	49.50	1	15	25	3	1	0	53.62	1,903.51				
O1511	7.31	48	31	15.11	3.00	5.34	4.00	9.50	15.00	3.09	0.00	0.30	1.00	19.00	23.00	1	38	2	3	1	0					7.31	138.89
O1512	31.89	73	31	21.83	5.50	14.65	10.50	10.68	16.50	2.29	6.24	2.70	8.00	27.00	40.50	1	35	26	3	1	0					31.89	861.03
pp968*	0.37	18	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
	140.44																					**72.66**	**2,588.18**	**0.00**	**0.00**	**67.33**	**1,696.99**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1407	2010	65554	Construct Installation-Wide Roads, Paved					2.36	64.90
O1416	2010	65554	Construct Installation-Wide Roads, Paved					0.83	17.43
O1505	2010	65554	Construct Installation-Wide Roads, Paved	0.37	14.06				
O1508	2010	65554	Construct Installation-Wide Roads, Paved	1.35	47.93				
O1510	2010	65554	Construct Installation-Wide Roads, Paved	1.07	37.99				
O1511	2010	65554	Construct Installation-Wide Roads, Paved					2.44	46.36
O1512	2010	65554	Construct Installation-Wide Roads, Paved					0.53	14.31
			TOTAL REMOVALS	**2.79**	**99.98**	**0.00**	**0.00**	**6.16**	**143.00**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**69.87**	**2,488.20**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**61.17**	**1,553.99**
TOTAL	**131.04**	**4,042.19**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-176. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O15-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O1402	14.84	79	21	3.60	1.00	6.57	5.00	21.15	31.00	11.40	3.05	3.10	7.00	36.00	44.00	1	20	18	3	1	4.28	PS					14.84	534.24
O1404	0.08	17	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.00	0.00
O1407	16.36	62	31	40.81	12.50	9.94	7.00	12.07	20.50	25.79	2.21	2.86	6.00	27.50	46.00	1	20	19	3	1	3.75	PS					16.36	449.90
O1416	11.77	63	26	35.65	9.00	14.82	10.50	7.33	10.50	5.15	1.61	1.20	3.50	21.00	33.50	7	22	11	3	1	3.06	PS					11.77	247.17
O1505	0.53	78	31	4.21	1.00	16.16	12.50	15.84	25.50	10.31	6.73	2.85	9.50	38.00	48.50	1	29	23	3	1	4.13	PS					0.53	20.14
O1508	3.67	62	31	35.13	9.00	16.67	12.50	16.77	23.00	2.55	0.00	0.65	1.00	35.50	45.50	1	30	2	3	1	4.09	PS					3.67	130.29
O1510	53.62	73	21	17.79	5.00	9.59	7.00	16.57	28.50	1.63	4.66	4.07	9.00	35.50	49.50	1	15	25	3	1	4.03	PS					53.62	1,903.51
O1511	7.31	48	31	15.11	3.00	5.34	4.00	9.50	15.00	3.09	0.00	0.30	1.00	19.00	23.00	1	38	2	3	1	3.51	PS					7.31	138.89
O1512	31.89	73	31	21.83	5.50	14.65	10.50	10.68	16.50	2.29	6.24	2.70	8.00	27.00	40.50	1	35	26	3	1	3.87	PS					31.89	861.03
pp968*	0.37	18	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
	140.44																						**0.00**	**0.00**	**0.00**	**0.00**	**139.99**	**4,285.17**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O1407	2010	65554	Construct Installation-Wide Roads, Paved					2.36	64.90
O1416	2010	65554	Construct Installation-Wide Roads, Paved					0.83	17.43
O1505	2010	65554	Construct Installation-Wide Roads, Paved					0.37	14.06
O1508	2010	65554	Construct Installation-Wide Roads, Paved					1.35	47.93
O1510	2010	65554	Construct Installation-Wide Roads, Paved					1.07	37.99
O1511	2010	65554	Construct Installation-Wide Roads, Paved					2.44	46.36
O1512	2010	65554	Construct Installation-Wide Roads, Paved					0.53	14.31
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**8.95**	**242.98**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**131.04**	**4,042.19**
TOTAL	**131.04**	**4,042.19**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-177. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O15-03**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0107	5.99	58	21	13.09	4.00	30.59	23.00	13.52	17.50	4.77	3.36	1.81	5.50	40.50	50.00	1	25	10	3	1	1	5.99	242.60				
O0110	0.06	22	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
O0116	13.08	60	31	6.68	2.00	9.18	7.00	15.59	24.50	4.22	0.00	0.28	1.00	31.50	34.50	1	37	1	3	1	0	13.08	412.02				
O0123	0.82	85	31	7.65	2.50	12.49	9.00	21.91	38.00	4.56	2.44	1.17	3.00	47.00	52.50	1	21	9	3	1	1	0.82	38.54				
O1503	16.72	69	31	12.18	4.50	26.55	20.00	19.68	28.00	2.57	1.99	0.42	2.50	48.00	55.00	1	37	5	3	1	1	16.72	802.56				
O1504	17.30	79	31	11.64	2.50	5.12	4.00	13.04	21.50	0.00	2.14	1.88	5.00	25.50	33.00	1	33	18	3	1	0					17.30	441.15
O1505	35.51	79	31	4.21	1.00	16.16	12.50	15.84	25.50	10.31	6.73	2.85	9.50	38.00	48.50	1	29	23	3	1	0	35.51	1,349.38				
O1506	3.09	84	31	14.39	4.21	14.27	10.53	14.00	25.79	29.01	10.99	6.75	17.89	36.32	58.42	2	4	39	3	1	0	3.09	112.23				
O1510	7.99	74	21	17.79	5.00	9.59	7.00	16.57	28.50	1.63	4.66	4.07	9.00	35.50	49.50	1	15	25	3	1	0	7.99	283.65				
pp634*	4.61	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp962*	0.03	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp965*	20.31	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					20.31	0.00
	125.51																					**83.20**	**3,240.98**	**0.00**	**0.00**	**37.61**	**441.15**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0107	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	5.61	227.21				
O0116	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	2.53	79.70				
O0123	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	0.63	29.61				
O1503	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	0.57	27.36				
O1504	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					1.80	45.90
O1506	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)	0.13	4.72				
			2009 SUB-TOTAL	**9.47**	**368.60**	**0.00**	**0.00**	**1.80**	**45.90**
O0107	2010	65554	Construct Installation-Wide Roads, Paved	0.21	8.51				
O0116	2010	65554	Construct Installation-Wide Roads, Paved	0.25	7.88				
O0123	2010	65554	Construct Installation-Wide Roads, Paved	0.05	2.35				
O1503	2010	65554	Construct Installation-Wide Roads, Paved	0.52	24.96				
O1504	2010	65554	Construct Installation-Wide Roads, Paved					0.47	11.99
O1505	2010	65554	Construct Installation-Wide Roads, Paved	1.70	64.60				
O1506	2010	65554	Construct Installation-Wide Roads, Paved	0.59	21.43				
O1510	2010	65554	Construct Installation-Wide Roads, Paved	0.47	16.69				
			2010 SUB-TOTAL	**3.79**	**146.42**	**0.00**	**0.00**	**0.47**	**11.99**
			TOTAL REMOVALS	**13.26**	**515.02**	**0.00**	**0.00**	**2.27**	**57.89**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**73.73**	**2,872.38**	**69.94**	**2,725.96**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**35.81**	**395.25**	**35.34**	**383.26**
TOTAL	**109.54**	**3,267.63**	**105.28**	**3,109.22**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-178. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O15-03**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0107	5.99	58	21	13.09	4.00	30.59	23.00	13.52	17.50	4.77	3.36	1.81	5.50	40.50	50.00	1	25	10	3	1	3.90	PS					5.99	242.60
O0110	0.06	22	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.00	0.00
O0116	13.08	60	31	6.68	2.00	9.18	7.00	15.59	24.50	4.22	0.00	0.28	1.00	31.50	34.50	1	37	1	3	1	4.18	PS					13.08	412.02
O0123	0.82	85	31	7.65	2.50	12.49	9.00	21.91	38.00	4.56	2.44	1.17	3.00	47.00	52.50	1	21	9	3	1	4.33	PS			0.82	38.54		
O1503	16.72	69	31	12.18	4.50	26.55	20.00	19.68	28.00	2.57	1.99	0.42	2.50	48.00	55.00	1	37	5	3	1	4.43	PS			16.72	802.56		
O1504	17.30	79	31	11.64	2.50	5.12	4.00	13.04	21.50	0.00	2.14	1.88	5.00	25.50	33.00	1	33	18	3	1	4.13	PS					17.30	441.15
O1505	35.51	79	31	4.21	1.00	16.16	12.50	15.84	25.50	10.31	6.73	2.85	9.50	38.00	48.50	1	29	23	3	1	4.13	PS					35.51	1,349.38
O1506	3.09	84	31	14.39	4.21	14.27	10.53	14.00	25.79	29.01	10.99	6.75	17.89	36.32	58.42	2	4	39	3	1	3.93	PS					3.09	112.23
O1510	7.99	74	21	17.79	5.00	9.59	7.00	16.57	28.50	1.63	4.66	4.07	9.00	35.50	49.50	1	15	25	3	1	4.03	PS					7.99	283.65
pp634*	4.61	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp962*	0.03	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp965*	20.31	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					20.31	0.00
	125.51																						**0.00**	**0.00**	**17.54**	**841.10**	**103.27**	**2,841.03**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0107	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					5.61	227.21
O0116	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					2.53	79.70
O0123	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			0.63	29.61		
O1503	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)			0.57	27.36		
O1504	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					1.80	45.90
O1506	2009	n/a	Heavy Maneuver Area -North (Maneuver Heavy Use Area)					0.13	4.72
			2009 SUB-TOTAL	**0.00**	**0.00**	**1.20**	**56.97**	**10.07**	**357.53**
O0107	2010	65554	Construct Installation-Wide Roads, Paved					0.21	8.51
O0116	2010	65554	Construct Installation-Wide Roads, Paved					0.25	7.88
O0123	2010	65554	Construct Installation-Wide Roads, Paved			0.05	2.35		
O1503	2010	65554	Construct Installation-Wide Roads, Paved			0.52	24.96		
O1504	2010	65554	Construct Installation-Wide Roads, Paved					0.47	11.99
O1505	2010	65554	Construct Installation-Wide Roads, Paved					1.70	64.60
O1506	2010	65554	Construct Installation-Wide Roads, Paved					0.59	21.43
O1510	2010	65554	Construct Installation-Wide Roads, Paved					0.47	16.69
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.57**	**27.31**	**3.69**	**131.10**
			TOTAL REMOVALS	**0.00**	**0.00**	**1.77**	**84.28**	**13.76**	**488.63**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**16.34**	**784.13**	**15.77**	**756.82**
Future Potential Habitat	**93.20**	**2,483.50**	**89.51**	**2,352.40**
TOTAL	**109.54**	**3,267.63**	**105.28**	**3,109.22**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-179. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **R02-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
AOB10	18.98	58	10	37.23	13.00	20.63	14.00	8.74	12.50	8.32	6.29	6.21	15.00	26.50	54.50	3	15	30	3	1	0					18.98	502.97
AOB17	9.02	58	13	6.46	2.22	20.92	15.56	20.18	30.00	24.58	11.86	6.01	16.67	45.56	64.44	1	7	30	3	1	0	9.02	410.95				
AOB18	12.44	63	31	22.84	5.50	12.08	8.50	3.96	5.50	0.00	0.51	0.36	1.00	14.00	20.50	1	12	5	3	1	0					12.44	174.16
pp458*	3.14	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
R0127	0.01	87	31	14.32	5.00	46.31	30.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	35.00	2	15	0	3	1	0	0.01	0.30				
R0130	1.80	78	13	97.78	27.50	85.35	57.50	9.94	12.50	27.25	7.53	2.04	7.50	70.00	105.00	1	0	9	3	1	0			1.80	126.00		
R0131	11.48	39	26	46.84	12.50	21.18	15.00	11.71	16.00	13.55	0.00	1.71	2.00	31.00	45.50	1	24	5	3	1	0	11.48	355.88				
R0133	6.09	87	21	23.73	5.50	8.51	6.50	22.10	34.00	14.47	6.50	2.21	7.00	40.50	53.00	2	19	22	3	1	1	6.09	246.65				
R0211	16.00	67	31	9.10	3.16	3.58	2.63	16.40	32.11	20.40	17.55	9.45	26.32	34.74	64.21	6	3	57	3	1	0					0.00	0.00
R0212	31.90	64	42**	13.57	4.50	15.79	11.50	13.50	27.50	20.71	11.45	8.20	22.00	39.00	65.50	2	7	40	3	1	0					0.00	0.00
R0218	11.58	88	26	44.95	13.53	9.18	6.47	14.04	26.47	4.15	1.30	0.81	2.35	32.94	48.82	2	15	8	3	1	0	11.58	381.45				
R0219	9.20	88	26	43.79	13.16	17.03	11.58	17.60	28.95	15.84	8.35	5.97	15.26	40.53	68.95	1	6	29	3	1	0	9.20	372.88				
R0223	0.94	82	13	0.00	0.00	11.17	8.75	20.24	33.75	8.42	6.06	8.11	18.75	42.50	61.25	1	1	31	3	1	0	0.94	39.95				
R0226	15.73	75	26	10.40	2.50	9.09	6.50	28.63	51.00	11.97	2.86	1.89	5.00	57.50	65.00	1	17	11	3	1	1	15.73	904.48				
R0227	4.59	21	31	59.41	15.00	8.99	5.00	0.00	0.00	23.54	0.00	0.00	0.00	5.00	20.00	7	3	0	3	1	0					4.59	22.95
R0228	9.93	88	10	2.26	1.11	6.03	4.44	9.53	16.67	24.42	9.43	7.32	16.67	21.11	38.89	6	10	52	3	1	0					9.93	209.62
R0229	7.95	87	31	60.09	18.75	26.34	20.00	5.00	6.25	17.52	2.44	0.00	1.25	26.25	46.25	2	21	7	3	1	0					7.95	208.69
R0230	15.11	87	10	38.00	9.50	9.62	6.50	6.97	11.50	41.45	14.23	2.58	13.50	18.00	41.00	2	13	50	3	1	0					15.11	271.98
R0231	3.16	82	10	6.03	1.58	2.62	2.11	20.22	36.84	8.15	10.02	10.66	23.16	38.95	63.68	2	3	48	3	1	0	3.16	123.08				
R0235	9.53	75	25	31.19	5.56	13.69	10.00	37.72	65.56	4.16	0.00	1.02	2.22	75.56	83.33	6	16	2	3	1	0			9.53	720.09		
R0237	25.98	80	13	24.14	7.37	7.34	5.26	11.92	20.53	23.15	12.35	3.22	15.26	25.79	48.42	2	17	45	3	1	0					25.98	670.02
R0238	13.66	87	31	24.91	7.00	10.16	7.50	14.48	25.50	33.08	12.16	7.36	21.00	33.00	61.00	2	14	44	3	1	0	13.66	450.78				
R0242	0.19	92	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.19	0.00
S0104	1.31	52	21	18.25	5.00	2.28	1.50	11.94	24.00	2.24	1.15	1.29	4.50	25.50	35.00	1	31	15	3	1	0					1.31	33.41
	239.72																					**80.87**	**3,286.40**	**11.33**	**846.09**	**96.48**	**2,093.80**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
AOB17	2008	65322	General Instruction Building Complex	1.25	56.95				
AOB18	2008	65322	General Instruction Building Complex					10.95	153.30
AOB18	2008	65439	Road Improvements					0.44	6.16
R0237	2008	65439	Road Improvements					0.29	7.48
S0104	2008	65439	Road Improvements					0.64	16.32
			2008 SUB-TOTAL	**1.25**	**56.95**	**0.00**	**0.00**	**12.32**	**183.26**
AOB10	2011	65248	Physical Fitness Center with Pool					6.57	174.11
S0104	2011	63799	3 ID BCT (Heavy) Complex					0.67	17.09
			2011 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**7.24**	**191.20**
AOB17	2012	64460	DS/GS Vehicle Maintenance Facility	5.42	246.94				
AOB18	2012	64460	DS/GS Vehicle Maintenance Facility					0.92	12.88
			2012 SUB-TOTAL	**5.42**	**246.94**	**0.00**	**0.00**	**0.92**	**12.88**
			TOTAL REMOVALS	**6.67**	**303.89**	**0.00**	**0.00**	**20.48**	**387.34**

POST-PROJECT	**2008**		**2011**		**2012**	
	Acres	**BA**	**Acres**	**BA**	**Acres**	**BA**
Suitable Habitat	**79.62**	**3,229.45**	**79.62**	**3,229.45**	**74.20**	**2,982.51**
Potentially Suitable Habitat	**11.33**	**846.09**	**11.33**	**846.09**	**11.33**	**846.09**
Future Potential Habitat	**84.16**	**1,910.54**	**76.92**	**1,719.34**	**76.00**	**1,706.46**
TOTAL	**175.11**	**5,986.08**	**167.87**	**5,794.88**	**161.53**	**5,535.06**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
ND = No data provided

* Note: No pine data collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-180. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **R02-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
AOB10	18.98	58	10	37.23	13.00	20.63	14.00	8.74	12.50	8.32	6.29	6.21	15.00	26.50	54.50	3	15	30	3	1	3.14	PS					18.98	502.97
AOB17	9.02	58	13	6.46	2.22	20.92	15.56	20.18	30.00	24.58	11.86	6.01	16.67	45.56	64.44	1	7	30	3	1	3.99	PS					9.02	410.95
AOB18	12.44	63	31	22.84	5.50	12.08	8.50	3.96	5.50	0.00	0.51	0.36	1.00	14.00	20.50	1	12	5	3	1	2.99	PS					12.44	174.16
pp458*	3.14	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
R0127	0.01	87	31	14.32	5.00	46.31	30.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	35.00	2	15	0	3	1	2.96	PS					0.01	0.30
R0130	1.80	78	13	97.78	27.50	85.35	57.50	9.94	12.50	27.25	7.53	2.04	7.50	70.00	105.00	1	0	9	3	1	3.27	PS					1.80	126.00
R0131	11.48	39	26	46.84	12.50	21.18	15.00	11.71	16.00	13.55	0.00	1.71	2.00	31.00	45.50	1	24	5	3	1	3.29	PS					11.48	355.88
R0133	6.09	87	21	23.73	5.50	8.51	6.50	22.10	34.00	14.47	6.50	2.21	7.00	40.50	53.00	2	19	22	3	1	4.22	PS			6.09	246.65		
R0211	16.00	67	31	9.10	3.16	3.58	2.63	16.40	32.11	20.40	17.55	9.45	26.32	34.74	64.21	6	3	57	3	1	3.70	PS					0.00	0.00
R0212	31.90	64	42**	13.57	4.50	15.79	11.50	13.50	27.50	20.71	11.45	8.20	22.00	39.00	65.50	2	7	40	3	1	3.93	PS					0.00	0.00
R0218	11.58	88	26	44.95	13.53	9.18	6.47	14.04	26.47	4.15	1.30	0.81	2.35	32.94	48.82	2	15	8	3	1	3.80	PS					11.58	381.45
R0219	9.20	88	26	43.79	13.16	17.03	11.58	17.60	28.95	15.84	8.35	5.97	15.26	40.53	68.95	1	6	29	3	1	3.90	PS					9.20	372.88
R0223	0.94	82	13	0.00	0.00	11.17	8.75	20.24	33.75	8.42	6.06	8.11	18.75	42.50	61.25	1	1	31	3	1	4.13	PS			0.94	39.95		
R0226	15.73	75	26	10.40	2.50	9.09	6.50	28.63	51.00	11.97	2.86	1.89	5.00	57.50	65.00	1	17	11	3	1	4.23	PS			15.73	904.48		
R0227	4.59	21	31	59.41	15.00	8.99	5.00	0.00	0.00	23.54	0.00	0.00	0.00	5.00	20.00	7	3	0	3	1	1.79	NH					4.59	22.95
R0228	9.93	88	10	2.26	1.11	6.03	4.44	9.53	16.67	24.42	9.43	7.32	16.67	21.11	38.89	6	10	52	3	1	3.41	PS					9.93	209.62
R0229	7.95	87	31	60.09	18.75	26.34	20.00	5.00	6.25	17.52	2.44	0.00	1.25	26.25	46.25	2	21	7	3	1	3.05	PS					7.95	208.69
R0230	15.11	87	10	38.00	9.50	9.62	6.50	6.97	11.50	41.45	14.23	2.58	13.50	18.00	41.00	2	13	50	3	1	3.25	PS					15.11	271.98
R0231	3.16	82	10	6.03	1.58	2.62	2.11	20.22	36.84	8.15	10.02	10.66	23.16	38.95	63.68	2	3	48	3	1	4.08	PS					3.16	123.08
R0235	9.53	75	25	31.19	5.56	13.69	10.00	37.72	65.56	4.16	0.00	1.02	2.22	75.56	83.33	6	16	2	3	1	3.98	PS			9.53	720.09		
R0237	25.98	80	13	24.14	7.37	7.34	5.26	11.92	20.53	23.15	12.35	3.22	15.26	25.79	48.42	2	17	45	3	1	3.76	PS					25.98	670.02
R0238	13.66	87	31	24.91	7.00	10.16	7.50	14.48	25.50	33.08	12.16	7.36	21.00	33.00	61.00	2	14	44	3	1	4.01	PS					13.66	450.78
R0242	0.19	92	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.31	PS					0.19	0.00
S0104	1.31	52	21	18.25	5.00	2.28	1.50	11.94	24.00	2.24	1.15	1.29	4.50	25.50	35.00	1	31	15	3	1	3.84	PS					1.31	33.41
	239.72																						**0.00**	**0.00**	**32.29**	**1,911.17**	**156.39**	**4,315.12**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
AOB17	2008	65322	General Instruction Building Complex					1.25	56.95
AOB18	2008	65322	General Instruction Building Complex					10.95	153.30
AOB18	2008	65439	Road Improvements					0.44	6.16
R0237	2008	65439	Road Improvements					0.29	7.48
S0104	2008	65439	Road Improvements					0.64	16.32
			2008 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**13.57**	**240.21**
AOB10	2011	65248	Physical Fitness Center with Pool					6.57	174.11
S0104	2011	63799	3 ID BCT (Heavy) Complex					0.67	17.09
			2011 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**7.24**	**191.20**
AOB17	2012	64460	DS/GS Vehicle Maintenance Facility					5.42	246.94
AOB18	2012	64460	DS/GS Vehicle Maintenance Facility					0.92	12.88
			2012 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**6.34**	**259.82**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**27.15**	**691.23**

POST-PROJECT	**2008**		**2011**		**2012**	
	Acres	**BA**	**Acres**	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**32.29**	**1,911.17**	**32.29**	**1,911.17**	**32.29**	**1,911.17**
Future Potential Habitat	**142.82**	**4,074.91**	**135.58**	**3,883.71**	**129.24**	**3,623.89**
TOTAL	**175.11**	**5,986.08**	**167.87**	**5,794.88**	**161.53**	**5,535.06**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
ND = No data provided

* Note: No pine data collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-181. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **SHC-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
SHC10	15.39	75	31	25.77	5.50	4.95	4.00	12.00	23.50	15.49	13.07	6.34	20.00	27.50	53.00	7	19	53	3	1	0					15.39	423.23
SHC11	11.03	75	26	28.07	6.50	11.19	8.00	15.52	30.00	7.83	2.57	1.68	4.50	38.00	49.00	2	19	14	3	1	0	11.03	419.14				
SHC12	0.95	49	13	39.10	15.56	77.90	53.33	18.88	24.44	8.70	13.69	3.01	13.33	77.78	106.67	7	26	15	3	1	0			0.95	73.89		
SHC25	38.35	79	10	22.48	6.00	9.22	6.00	16.98	34.00	37.13	9.90	7.58	19.50	40.00	65.50	7	17	40	0	0	0			38.35	1,534.00		
SHC26	34.10	50	31	24.88	6.92	9.63	6.92	22.95	41.54	13.54	5.02	2.12	8.46	48.46	63.85	8	25	18	3	1	0			34.10	1,652.49		
SHC27	36.51	82	26	31.65	9.50	10.32	8.00	19.48	35.00	2.65	1.75	0.35	2.50	43.00	55.00	5	27	7	3	1	1			36.51	1,569.93		
SHC29	1.57	49	13	34.39	12.00	16.45	12.00	9.98	14.00	0.00	0.00	1.61	2.00	26.00	40.00	7	22	6	3	1	0					1.57	40.82
SHC40	15.97	95	31	37.45	13.00	45.25	30.50	10.24	14.00	8.95	0.53	0.72	2.00	44.50	59.50	1	30	2	3	1	1	15.97	710.67				
SHC41	26.41	91	31	50.97	14.38	4.43	3.13	9.88	21.25	5.95	1.96	2.17	5.63	24.38	44.38	6	11	22	3	1	0					26.41	643.88
SHC52	4.19	10	31	194.74	47.50	28.14	17.50	0.00	0.00	26.12	9.56	3.52	10.00	17.50	75.00	5	3	32	3	1	0					4.19	73.33
SHC55	14.49	85	21	38.42	8.95	4.68	3.16	8.86	20.53	0.00	0.00	0.00	0.00	23.68	32.63	1	62	0	3	1	0					14.49	343.12
SHC66	45.82	98	13	12.13	4.62	12.52	9.23	12.76	22.31	9.24	7.88	4.24	13.08	31.54	49.23	6	8	32	0	0	0			45.82	1,445.16		
	244.78																					**27.00**	**1,129.81**	**155.73**	**6,275.47**	**62.06**	**1,524.38**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
SHC10	2008	65439	Infrastructure Support (Utility Corridor)					0.68	18.70
SHC11	2008	65439	Infrastructure Support (Utility Corridor)	0.23	8.74				
SHC25	2008	64462/51256/67419	Reception Station Barracks & Processing Center			21.84	873.60		
SHC25	2008	65439	Infrastructure Support (Utility Corridor)			0.16	6.40		
SHC26	2008	65439	Infrastructure Support (Utility Corridor)			0.21	10.18		
SHC27	2008	65439	Infrastructure Support (Utility Corridor)			0.10	4.30		
SHC52	2008	64462/51256/67419	Reception Station Barracks & Processing Center					0.01	0.18
SHC55	2008	62956	Health Clinic Expansion - Winder					0.39	9.24
SHC66	2008	64462/51256/67419	Reception Station Barracks & Processing Center			3.01	94.94		
			TOTAL REMOVALS	**0.23**	**8.74**	**25.32**	**989.42**	**1.08**	**28.12**

POST-PROJECT	**2008**	
	Acres	**BA**
Suitable Habitat	**26.77**	**1,121.07**
Potentially Suitable Habitat	**130.41**	**5,286.05**
Future Potential Habitat	**60.98**	**1,496.26**
TOTAL	**218.15**	**7,903.38**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Table D-182. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **SHC-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Burn Type	Number of years since last burn	Matrix Stand Score	Matrix Suitability	Suitable Acreage	Potentially Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
SHC10	15.39	75	31	25.77	5.50	4.95	4.00	12.00	23.50	15.49	13.07	6.34	20.00	27.50	53.00	7	19	53	3	1	3.47	PS					15.39	423.23
SHC11	11.03	75	26	28.07	6.50	11.19	8.00	15.52	30.00	7.83	2.57	1.68	4.50	38.00	49.00	2	19	14	3	1	4.00	PS					11.03	419.14
SHC12	0.95	49	13	39.10	15.56	77.90	53.33	18.88	24.44	8.70	13.69	3.01	13.33	77.78	106.67	7	26	15	3	1	3.53	PS					0.95	73.89
SHC25	38.35	79	10	22.48	6.00	9.22	6.00	16.98	34.00	37.13	9.90	7.58	19.50	40.00	65.50	7	17	40	0	0	3.57	PS					38.35	1,534.00
SHC26	34.10	50	31	24.88	6.92	9.63	6.92	22.95	41.54	13.54	5.02	2.12	8.46	48.46	63.85	8	25	18	3	1	3.84	PS					34.10	1,652.49
SHC27	36.51	82	26	31.65	9.50	10.32	8.00	19.48	35.00	2.65	1.75	0.35	2.50	43.00	55.00	5	27	7	3	1	4.08	PS			36.51	1,569.93		
SHC29	1.57	49	13	34.39	12.00	16.45	12.00	9.98	14.00	0.00	0.00	1.61	2.00	26.00	40.00	7	22	6	3	1	2.91	PS					1.57	40.82
SHC40	15.97	95	31	37.45	13.00	45.25	30.50	10.24	14.00	8.95	0.53	0.72	2.00	44.50	59.50	1	30	2	3	1	3.69	PS					15.97	710.67
SHC41	26.41	91	31	50.97	14.38	4.43	3.13	9.88	21.25	5.95	1.96	2.17	5.63	24.38	44.38	6	11	22	3	1	3.47	PS					26.41	643.88
SHC52	4.19	10	31	194.74	47.50	28.14	17.50	0.00	0.00	26.12	9.56	3.52	10.00	17.50	75.00	5	3	32	3	1	1.83	NH					4.19	73.33
SHC55	14.49	85	21	38.42	8.95	4.68	3.16	8.86	20.53	0.00	0.00	0.00	0.00	23.68	32.63	1	62	0	3	1	3.89	PS					14.49	343.12
SHC66	45.82	98	13	12.13	4.62	12.52	9.23	12.76	22.31	9.24	7.88	4.24	13.08	31.54	49.23	6	8	32	0	0	3.34	PS					45.82	1,445.16
	244.78																						**0.00**	**0.00**	**36.51**	**1,569.93**	**208.27**	**7,359.73**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
SHC10	2008	65439	Infrastructure Support (Utility Corridor)					0.68	18.70
SHC11	2008	65439	Infrastructure Support (Utility Corridor)					0.23	8.74
SHC25	2008	64462/51256/67419	Reception Station Barracks & Processing Center					21.84	873.60
SHC25	2008	65439	Infrastructure Support (Utility Corridor)					0.16	6.40
SHC26	2008	65439	Infrastructure Support (Utility Corridor)					0.21	10.18
SHC27	2008	65439	Infrastructure Support (Utility Corridor)			0.10	4.30		
SHC52	2008	64462/51256/67419	Reception Station Barracks & Processing Center					0.01	0.18
SHC55	2008	62956	Health Clinic Expansion - Winder					0.39	9.24
SHC66	2008	64462/51256/67419	Reception Station Barracks & Processing Center					3.01	94.94
			TOTAL REMOVALS	**0.00**	**0.00**	**0.10**	**4.30**	**26.53**	**1,021.98**

POST-PROJECT	**2008**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**36.41**	**1,565.63**
Future Potential Habitat	**181.74**	**6,337.75**
TOTAL	**218.15**	**7,903.38**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
10 = Yellow Pine-Upland Hardwood

Table D-183. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T01-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
pp459*	0.14	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.14	0.00
T0101	9.80	65	31	28.33	8.89	24.20	16.67	8.51	14.44	3.10	1.85	0.00	1.11	31.11	41.11	2	38	5	3	1	0	9.80	304.88				
T0102	5.88	68	21	15.63	4.00	14.40	11.00	17.89	26.00	9.94	2.47	1.46	5.00	37.00	46.00	2	32	11	3	1	0	5.88	217.56				
T0209	1.41	62	21	38.25	10.50	21.12	14.00	5.08	7.00	3.67	2.28	2.55	6.00	21.00	37.50	2	28	16	3	1	0					1.41	29.61
T0210	12.65	55	21	36.26	9.50	16.50	11.50	7.63	12.00	9.09	5.87	2.05	7.50	23.50	40.50	1	31	25	3	1	0					12.65	297.28
T0218	27.57	66	21	29.02	8.00	17.87	12.00	6.58	10.50	20.59	3.41	5.44	12.50	22.50	43.00	3	26	27	3	2	0					27.57	620.33
T0219	42.89	65	21	15.21	4.50	20.07	14.00	11.31	17.50	7.45	1.95	1.53	4.00	31.50	40.00	2	36	10	3	2	0	42.89	1,351.04				
T0227	18.87	74	21	16.48	5.50	17.90	13.50	12.24	17.50	17.04	3.38	3.56	8.00	31.00	44.50	5	33	19	3	2	0			18.87	584.97		
T0231	0.95	52	26	17.35	4.50	14.73	10.50	21.34	31.00	1.30	0.00	0.39	1.00	41.50	47.00	2	32	1	3	2	1	0.95	39.43				
T0301	0.48	90	21	6.07	1.00	8.52	6.50	21.90	32.50	3.60	1.61	2.83	5.50	39.00	45.50	1	23	13	3	1	0	0.48	18.72				
T0307	10.98	83	21	23.21	7.00	15.84	12.00	18.09	26.50	1.27	0.59	0.26	1.00	38.50	46.50	1	35	2	3	1	0	10.98	422.73				
T0309	13.55	70	21	15.22	4.00	9.50	7.50	17.78	28.50	5.76	6.44	0.55	5.50	36.00	45.50	1	33	20	3	1	0	13.55	487.80				
	145.17																					**84.53**	**2,842.16**	**18.87**	**584.97**	**41.77**	**947.22**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp459*	2009	62207	Combined Arms Collective Training Facility, Phase II					0.14	0.00
T0101	2009	62207	Combined Arms Collective Training Facility, Phase II	1.63	50.71				
T0209	2009	62207	Combined Arms Collective Training Facility, Phase II					0.05	1.05
T0210	2009	62207	Combined Arms Collective Training Facility, Phase II					0.53	12.46
T0218	2009	62207	Combined Arms Collective Training Facility, Phase II					0.06	1.35
T0219	2009	62207	Combined Arms Collective Training Facility, Phase II	0.24	7.56				
			TOTAL REMOVALS	**1.87**	**58.27**	**0.00**	**0.00**	**0.78**	**14.86**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**82.66**	**2,783.89**
Potentially Suitable Habitat	**18.87**	**584.97**
Future Potential Habitat	**40.99**	**932.36**
TOTAL	**142.52**	**4,301.22**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-184. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T01-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
pp459*	0.14	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.14	0.00
T0101	9.80	65	31	28.33	8.89	24.20	16.67	8.51	14.44	3.10	1.85	0.00	1.11	31.11	41.11	2	38	5	3	1	3.57	PS					9.80	304.88
T0102	5.88	68	21	15.63	4.00	14.40	11.00	17.89	26.00	9.94	2.47	1.46	5.00	37.00	46.00	2	32	11	3	1	4.23	PS					5.88	217.56
T0209	1.41	62	21	38.25	10.50	21.12	14.00	5.08	7.00	3.67	2.28	2.55	6.00	21.00	37.50	2	28	16	3	1	3.24	PS					1.41	29.61
T0210	12.65	55	21	36.26	9.50	16.50	11.50	7.63	12.00	9.09	5.87	2.05	7.50	23.50	40.50	1	31	25	3	1	3.37	PS					12.65	297.28
T0218	27.57	66	21	29.02	8.00	17.87	12.00	6.58	10.50	20.59	3.41	5.44	12.50	22.50	43.00	3	26	27	3	2	3.57	PS					27.57	620.33
T0219	42.89	65	21	15.21	4.50	20.07	14.00	11.31	17.50	7.45	1.95	1.53	4.00	31.50	40.00	2	36	10	3	2	4.04	PS					42.89	1,351.04
T0227	18.87	74	21	16.48	5.50	17.90	13.50	12.24	17.50	17.04	3.38	3.56	8.00	31.00	44.50	5	33	19	3	2	3.81	PS					18.87	584.97
T0231	0.95	52	26	17.35	4.50	14.73	10.50	21.34	31.00	1.30	0.00	0.39	1.00	41.50	47.00	2	32	1	3	2	4.45	PS					0.95	39.43
T0301	0.48	90	21	6.07	1.00	8.52	6.50	21.90	32.50	3.60	1.61	2.83	5.50	39.00	45.50	1	23	13	3	1	4.28	PS					0.48	18.72
T0307	10.98	83	21	23.21	7.00	15.84	12.00	18.09	26.50	1.27	0.59	0.26	1.00	38.50	46.50	1	35	2	3	1	4.37	PS					10.98	422.73
T0309	13.55	70	21	15.22	4.00	9.50	7.50	17.78	28.50	5.76	6.44	0.55	5.50	36.00	45.50	1	33	20	3	1	4.23	PS					13.55	487.80
	145.17																						**0.00**	**0.00**	**0.00**	**0.00**	**145.17**	**4,374.35**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp459*	2009	62207	Combined Arms Collective Training Facility, Phase II					0.14	0.00
T0101	2009	62207	Combined Arms Collective Training Facility, Phase II					1.63	50.71
T0209	2009	62207	Combined Arms Collective Training Facility, Phase II					0.05	1.05
T0210	2009	62207	Combined Arms Collective Training Facility, Phase II					0.53	12.46
T0218	2009	62207	Combined Arms Collective Training Facility, Phase II					0.06	1.35
T0219	2009	62207	Combined Arms Collective Training Facility, Phase II					0.24	7.56
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**2.65**	**73.13**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**142.52**	**4,301.22**
TOTAL	**142.52**	**4,301.22**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-185. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T02-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0218	13.79	39	31	18.17	5.50	14.66	9.50	11.84	17.50	5.56	1.15	2.11	5.50	27.00	38.00	1	17	11	3	1	0					13.79	372.33
J0326	0.35	95	25	59.37	15.00	24.78	16.00	13.63	20.50	22.64	5.28	2.64	8.50	36.50	60.00	1	18	17	3	1	0	0.35	12.78				
J0329	28.16	45	25	47.54	15.00	30.67	21.00	9.80	15.50	11.95	1.46	0.39	2.00	36.50	53.50	2	40	4	3	1	0	28.16	1,027.84				
pp242*	6.20	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					6.20	0.00
pp459*	10.30	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					10.30	0.00
pp685*	0.76	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.76	0.00
pp937*	0.62	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.62	0.00
T0204	0.87	95	10	4.77	2.00	10.94	7.00	10.04	21.50	27.16	22.17	13.12	37.50	28.50	68.00	7	17	63	3	1	0					0.87	24.80
T0206	7.05	84	31	6.06	2.86	8.29	5.71	2.31	2.86	0.00	6.05	2.63	8.57	8.57	20.00	2	17	45	3	1	0					7.05	60.42
T0209	4.39	62	21	38.25	10.50	21.12	14.00	5.08	7.00	3.67	2.28	2.55	6.00	21.00	37.50	2	28	16	3	1	0					4.39	92.19
T0210	58.28	55	21	36.26	9.50	16.50	11.50	7.63	12.00	9.09	5.87	2.05	7.50	23.50	40.50	1	31	25	3	1	0					58.28	1,369.58
T0214	8.62	72	21	23.38	6.00	2.72	2.00	5.69	10.00	21.45	6.89	5.72	14.50	12.00	32.50	5	24	60	3	1	0					8.62	103.44
T0216	11.06	66	21	54.42	14.00	19.87	13.50	8.28	12.00	11.74	1.77	0.49	2.50	25.50	42.00	1	28	7	3	1	0					11.06	282.03
T0218	27.72	66	21	29.02	8.00	17.87	12.00	6.58	10.50	20.59	3.41	5.44	12.50	22.50	43.00	3	26	27	3	2	0					27.72	623.70
T0226	5.51	61	11	39.38	11.50	14.62	9.50	5.11	7.00	20.54	6.13	4.01	11.00	16.50	39.00	5	29	34	3	2	0					5.51	90.92
	183.68																					**28.51**	**1,040.62**	**0.00**	**0.00**	**155.17**	**3,019.41**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0329	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	2.76	100.74				
pp459*	2009	62207	Combined Arms Collective Training Facility, Phase II					10.30	0.00
T0210	2009	62207	Combined Arms Collective Training Facility, Phase II					1.70	39.95
			TOTAL REMOVALS	**2.76**	**100.74**	**0.00**	**0.00**	**12.00**	**39.95**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**25.75**	**939.88**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**143.17**	**2,979.46**
TOTAL	**168.92**	**3,919.34**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-186. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T02-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0218	13.79	39	31	18.17	5.50	14.66	9.50	11.84	17.50	5.56	1.15	2.11	5.50	27.00	38.00	1	17	11	3	1	3.27	PS					13.79	372.33
J0326	0.35	95	25	59.37	15.00	24.78	16.00	13.63	20.50	22.64	5.28	2.64	8.50	36.50	60.00	1	18	17	3	1	3.95	PS					0.35	12.78
J0329	28.16	45	25	47.54	15.00	30.67	21.00	9.80	15.50	11.95	1.46	0.39	2.00	36.50	53.50	2	40	4	3	1	3.58	PS					28.16	1,027.84
pp242*	6.20	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					6.20	0.00
pp459*	10.30	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					10.30	0.00
pp685*	0.76	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.76	0.00
pp937*	0.62	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.62	0.00
T0204	0.87	95	10	4.77	2.00	10.94	7.00	10.04	21.50	27.16	22.17	13.12	37.50	28.50	68.00	7	17	63	3	1	3.48	PS					0.87	24.80
T0206	7.05	84	31	6.06	2.86	8.29	5.71	2.31	2.86	0.00	6.05	2.63	8.57	8.57	20.00	2	17	45	3	1	2.86	PS					7.05	60.42
T0209	4.39	62	21	38.25	10.50	21.12	14.00	5.08	7.00	3.67	2.28	2.55	6.00	21.00	37.50	2	28	16	3	1	3.24	PS					4.39	92.19
T0210	58.28	55	21	36.26	9.50	16.50	11.50	7.63	12.00	9.09	5.87	2.05	7.50	23.50	40.50	1	31	25	3	1	3.37	PS					58.28	1,369.58
T0214	8.62	72	21	23.38	6.00	2.72	2.00	5.69	10.00	21.45	6.89	5.72	14.50	12.00	32.50	5	24	60	3	1	3.15	PS					8.62	103.44
T0216	11.06	66	21	54.42	14.00	19.87	13.50	8.28	12.00	11.74	1.77	0.49	2.50	25.50	42.00	1	28	7	3	1	3.37	PS					11.06	282.03
T0218	27.72	66	21	29.02	8.00	17.87	12.00	6.58	10.50	20.59	3.41	5.44	12.50	22.50	43.00	3	26	27	3	2	3.57	PS					27.72	623.70
T0226	5.51	61	11	39.38	11.50	14.62	9.50	5.11	7.00	20.54	6.13	4.01	11.00	16.50	39.00	5	29	34	3	2	3.11	PS					5.51	90.92
	183.68																						**0.00**	**0.00**	**0.00**	**0.00**	**183.68**	**4,060.03**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0329	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.76	100.74
pp459*	2009	62207	Combined Arms Collective Training Facility, Phase II					10.30	0.00
T0210	2009	62207	Combined Arms Collective Training Facility, Phase II					1.70	39.95
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**14.76**	**140.69**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**168.92**	**3,919.34**
SUB-TOTAL	**168.92**	**3,919.34**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-187. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T03-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0414	1.98	53	42**	5.27	2.00	10.84	7.50	9.45	13.00	10.28	5.97	1.50	7.00	20.50	29.50	1	31	27	3	1	0					0.00	0.00
J0416	23.06	57	26	6.57	2.00	12.14	8.50	11.84	18.00	14.69	5.47	1.79	6.50	26.50	35.00	1	34	23	3	1	0					23.06	611.09
J0524	2.46	60	31	7.78	1.50	13.51	10.00	17.17	24.00	4.97	0.97	1.59	2.50	34.00	38.00	1	47	8	3	1	0	2.46	83.64				
pp211*	0.18	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.18	0.00
T0302	11.21	52	25	59.93	14.00	8.76	7.00	8.50	13.50	12.76	5.40	4.07	10.00	20.50	44.50	1	24	35	3	1	0					11.21	229.81
T0303	55.96	77	21	50.03	14.00	15.20	12.00	14.77	21.00	16.44	1.28	0.61	2.00	33.00	49.00	1	39	6	3	1	0	55.96	1,846.68				
T0304	16.43	66	31	36.84	9.00	14.29	10.50	18.67	31.50	4.63	0.72	0.35	2.00	42.00	53.00	4	27	3	3	1	1			16.43	690.06		
T0307	39.32	83	21	23.21	7.00	15.84	12.00	18.09	26.50	1.27	0.59	0.26	1.00	38.50	46.50	1	35	2	3	1	0	39.32	1,513.82				
T0308	51.86	89	21	11.35	3.00	10.53	8.00	19.70	34.00	10.17	0.00	0.83	1.50	42.00	46.50	1	30	3	3	1	1	51.86	2,178.12				
T0410	2.85	48	21	34.06	10.50	11.52	8.00	15.04	23.50	20.26	5.01	2.17	6.50	31.50	48.50	1	33	21	3	1	0	0.00	0.00				
	205.31																					**149.60**	**5,622.26**	**16.43**	**690.06**	**34.45**	**840.90**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0416	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					23.06	611.09
J0524	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	2.46	83.64				
pp211*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.18	0.00
T0302	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					11.21	229.81
T0303	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	8.21	270.93				
T0304	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			6.57	275.94		
T0307	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	31.77	1,223.15				
T0308	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	10.68	448.56				
			TOTAL REMOVALS	**53.12**	**2,026.28**	**6.57**	**275.94**	**34.45**	**840.90**

POST-PROJECT

	2009	
	Acres	**BA**
Suitable Habitat	**96.48**	**3,595.98**
Potentially Suitable Habitat	**9.86**	**414.12**
Future Potential Habitat	**0.00**	**0.00**
TOTAL	**106.34**	**4,010.10**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-188. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T03-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0414	1.98	53	42**	5.27	2.00	10.84	7.50	9.45	13.00	10.28	5.97	1.50	7.00	20.50	29.50	1	31	27	3	1	3.56	PS					0.00	0.00
J0416	23.06	57	26	6.57	2.00	12.14	8.50	11.84	18.00	14.69	5.47	1.79	6.50	26.50	35.00	1	34	23	3	1	3.70	PS					23.06	611.09
J0524	2.46	60	31	7.78	1.50	13.51	10.00	17.17	24.00	4.97	0.97	1.59	2.50	34.00	38.00	1	47	8	3	1	4.33	PS					2.46	83.64
pp211	0.18	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.18	0.00
T0302	11.21	52	25	59.93	14.00	8.76	7.00	8.50	13.50	12.76	5.40	4.07	10.00	20.50	44.50	1	24	35	3	1	3.23	PS					11.21	229.81
T0303	55.96	77	21	50.03	14.00	15.20	12.00	14.77	21.00	16.44	1.28	0.61	2.00	33.00	49.00	1	39	6	3	1	4.15	PS					55.96	1,846.68
T0304	16.43	66	31	36.84	9.00	14.29	10.50	18.67	31.50	4.63	0.72	0.35	2.00	42.00	53.00	4	27	3	3	1	4.18	PS			16.43	690.06		
T0307	39.32	83	21	23.21	7.00	15.84	12.00	18.09	26.50	1.27	0.59	0.26	1.00	38.50	46.50	1	35	2	3	1	4.37	PS					39.32	1,513.82
T0308	51.86	89	21	11.35	3.00	10.53	8.00	19.70	34.00	10.17	0.00	0.83	1.50	42.00	46.50	1	30	3	3	1	4.33	PS			51.86	2,178.12		
T0410	2.85	48	21	34.06	10.50	11.52	8.00	15.04	23.50	20.26	5.01	2.17	6.50	31.50	48.50	1	33	21	3	1	3.84	PS					0.00	0.00
	205.31																						**0.00**	**0.00**	**68.29**	**2,868.18**	**132.19**	**4,285.04**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0416	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					23.06	611.09
J0524	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.46	83.64
pp211*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.18	0.00
T0302	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					11.21	229.81
T0303	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					8.21	270.93
T0304	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			6.57	275.94		
T0307	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					31.77	1,223.15
T0308	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			10.68	448.56		
			TOTAL REMOVALS	**0.00**	**0.00**	**17.25**	**724.50**	**76.89**	**2,418.62**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**51.04**	**2,143.68**
Future Potential Habitat	**55.30**	**1,866.42**
TOTAL	**106.34**	**4,010.10**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-189. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T03-04R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0323	2.46	77	26	35.38	9.50	16.78	12.00	19.41	29.00	9.55	6.60	2.40	8.00	41.00	58.50	1	28	20	3	1	1	2.46	100.86				
J0326	43.45	95	25	59.37	15.00	24.78	16.00	13.63	20.50	22.64	5.28	2.64	8.50	36.50	60.00	1	18	17	3	1	0	43.45	1,585.93				
J0329	4.66	45	25	47.54	15.00	30.67	21.00	9.80	15.50	11.95	1.46	0.39	2.00	36.50	53.50	2	40	4	3	1	0	4.66	170.09				
pp208*	7.33	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					7.33	0.00
pp209*	2.47	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.47	0.00
pp459*	1.00	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.00	0.00
pp937*	0.41	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.41	0.00
T0209	16.40	62	21	38.25	10.50	21.12	14.00	5.08	7.00	3.67	2.28	2.55	6.00	21.00	37.50	2	28	16	3	1	0					16.40	344.40
T0210	14.48	55	21	36.26	9.50	16.50	11.50	7.63	12.00	9.09	5.87	2.05	7.50	23.50	40.50	1	31	25	3	1	0					14.48	340.28
T0301	31.55	90	21	6.07	1.00	8.52	6.50	21.90	32.50	3.60	1.61	2.83	5.50	39.00	45.50	1	23	13	3	1	0	31.55	1,230.45				
T0302	15.95	52	25	59.93	14.00	8.76	7.00	8.50	13.50	12.76	5.40	4.07	10.00	20.50	44.50	1	24	35	3	1	0					15.95	326.98
T0307	34.40	83	21	23.21	7.00	15.84	12.00	18.09	26.50	1.27	0.59	0.26	1.00	38.50	46.50	1	35	2	3	1	0	34.40	1,324.40				
T0309	2.35	70	21	15.22	4.00	9.50	7.50	17.78	28.50	5.76	6.44	0.55	5.50	36.00	45.50	1	33	20	3	1	0	2.35	84.60				
	176.91																					**118.87**	**4,496.33**	**0.00**	**0.00**	**58.04**	**1,011.66**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0323	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	2.46	100.86				
J0326	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	42.74	1,560.01				
J0329	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	1.09	39.79				
pp208*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					7.33	0.00
pp209*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.47	0.00
pp459*	2009	62207	Combined Arms Collective Training Facility, Phase II (CACTF)					1.00	0.00
pp937*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.41	0.00
T0209	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.18	24.78
T0209	2009	62207	Combined Arms Collective Training Facility, Phase II (CACTF)					0.13	2.73
T0210	2009	62207	Combined Arms Collective Training Facility, Phase II (CACTF)					4.37	102.70
T0301	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	30.29	1,181.31				
T0302	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					15.95	326.98
T0307	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	21.97	845.85				
			2009 SUB-TOTAL	**98.55**	**3,727.82**	**0.00**	**0.00**	**32.84**	**457.19**
J0329	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.01	0.37
T0209	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.35	7.35
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**0.36**	**7.72**
			TOTAL REMOVALS	**98.55**	**3,727.82**	**0.00**	**0.00**	**33.20**	**464.91**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**		
Suitable Habitat	**20.32**	**768.51**	19.61	**742.59**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**25.20**	**554.47**	**24.84**	**546.75**
SUB-TOTAL	**45.52**	**1,322.98**	**44.45**	**1,289.34**
non-contiguous	**-0.71**	**-25.92**	**0.00**	**0.00**
TOTAL	**44.81**	**1,297.06**	44.45	**1,289.34**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Stand J0326 will will be non-contiguous as a result of project impacts and cannot be counted towards the availabe foraging habitat for the partition.

Table D-190. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T03-04R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0323	2.46	77	26	35.38	9.50	16.78	12.00	19.41	29.00	9.55	6.60	2.40	8.00	41.00	58.50	1	28	20	3	1					2.46	100.86		
J0326	43.45	95	25	59.37	15.00	24.78	16.00	13.63	20.50	22.64	5.28	2.64	8.50	36.50	60.00	1	18	17	3	1							43.45	1,585.93
J0329	4.66	45	25	47.54	15.00	30.67	21.00	9.80	15.50	11.95	1.46	0.39	2.00	36.50	53.50	2	40	4	3	1							4.66	170.09
pp208*	7.33	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0							7.33	0.00
pp209*	2.47	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0							2.47	0.00
pp459*	1.00	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0							1.00	0.00
pp937*	0.41	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0							0.41	0.00
T0209	16.40	62	21	38.25	10.50	21.12	14.00	5.08	7.00	3.67	2.28	2.55	6.00	21.00	37.50	2	28	16	3	1							16.40	344.40
T0210	14.48	55	21	36.26	9.50	16.50	11.50	7.63	12.00	9.09	5.87	2.05	7.50	23.50	40.50	1	31	25	3	1							14.48	340.28
T0301	31.55	90	21	6.07	1.00	8.52	6.50	21.90	32.50	3.60	1.61	2.83	5.50	39.00	45.50	1	23	13	3	1							31.55	1,230.45
T0302	15.95	52	25	59.93	14.00	8.76	7.00	8.50	13.50	12.76	5.40	4.07	10.00	20.50	44.50	1	24	35	3	1							15.95	326.98
T0307	34.40	83	21	23.21	7.00	15.84	12.00	18.09	26.50	1.27	0.59	0.26	1.00	38.50	46.50	1	35	2	3	1							34.40	1,324.40
T0309	2.35	70	21	15.22	4.00	9.50	7.50	17.78	28.50	5.76	6.44	0.55	5.50	36.00	45.50	1	33	20	3	1			**0.00**	**0.00**	**2.46**	**100.86**	**174.45**	**5,407.13**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0323	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			2.46	100.86		
J0326	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					42.74	1,560.01
J0329	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.09	39.79
pp208*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					7.33	0.00
pp209*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.47	0.00
pp459*	2009	62207	Combined Arms Collective Training Facility, Phase II (CACTF)					1.00	0.00
pp937*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.41	0.00
T0209	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.18	24.78
T0209	2009	62207	Combined Arms Collective Training Facility, Phase II (CACTF)					0.13	2.73
T0210	2009	62207	Combined Arms Collective Training Facility, Phase II (CACTF)					4.37	102.70
T0301	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					30.29	1,181.31
T0302	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					15.95	326.98
T0307	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					21.97	845.85
			2009 SUB-TOTAL	**0.00**	**0.00**	**2.46**	**100.86**	**128.93**	**4,084.15**
J0329	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.01	0.37
T0209	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.35	7.35
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**0.36**	**7.72**
			TOTAL REMOVALS	**0.00**	**0.00**	**2.46**	**100.86**	**129.29**	**4,091.87**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**		
Suitable Habitat	**0.00**	**0.00**	0.00	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**45.52**	**1,322.98**	**44.45**	**1,289.35**
SUB-TOTAL	**45.52**	**1,322.98**	**44.45**	**1,289.35**
non-contiguous	**-0.71**	**-25.92**	**0.00**	**0.00**
TOTAL	**44.81**	**1,297.06**	44.45	**1,289.35**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Stand J0326 will will be non-contiguous as a result of project impacts and cannot be counted towards the availabe foraging habitat for the partition.

Table D-191. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T04-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0301	2.76	49	21	11.10	3.00	18.35	14.50	24.86	36.50	6.14	0.86	0.94	2.00	51.00	56.00	1	36	4	3	1	1	2.76	140.76				
E0303	0.42	18	31	25.56	7.50	30.17	21.50	18.91	26.50	11.32	3.52	3.07	7.50	48.00	63.00	1	29	12	3	1	0					0.42	20.16
pp485*	17.57	17	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					17.57	0.00
T0415	3.12	59	21	16.73	4.50	32.24	21.00	13.05	17.00	5.91	2.58	0.67	3.00	38.00	45.50	1	25	7	3	1	0	3.12	118.56				
T0416	23.18	54	25	10.77	3.00	22.08	15.00	14.46	21.50	8.25	4.54	3.25	7.50	36.50	47.00	1	28	18	3	1	0	23.18	846.07				
T0505	5.89	17	26P	123.09	31.11	11.60	7.78	1.09	1.11	11.20	3.64	0.00	3.33	8.89	43.33	5	31	22	3	1	0					5.89	52.36
T0506	32.20	59	21	14.47	4.50	10.92	8.50	17.38	26.00	18.66	2.20	0.60	2.50	34.50	41.50	1	29	9	3	1	0	32.20	1,110.90				
T0507	23.62	54	25	52.56	11.50	22.15	17.00	18.40	25.50	12.90	5.00	2.89	9.00	42.50	63.00	1	36	16	3	1	1	23.62	1,003.85				
T0516	18.58	97	21	14.38	4.00	17.86	12.50	15.90	21.50	6.56	4.02	0.68	4.00	34.00	42.00	1	28	12	3	1	0	18.58	631.72				
T0519	16.49	67	21	15.32	4.50	13.85	10.00	15.22	21.50	14.62	4.05	1.21	5.00	31.50	41.00	1	31	15	3	1	0	16.49	519.44				
T0520	9.88	67	21	7.25	2.00	9.30	7.50	25.10	37.50	3.49	0.56	0.53	1.50	45.00	48.50	1	41	3	3	1	1	9.88	444.60				
	153.71																					**129.83**	**4,815.90**	**0.00**	**0.00**	**23.88**	**72.52**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
E0301	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.97	49.47				
E0303	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.14	6.72
T0516	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.15	5.10				
T0519	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.02	0.63				
T0520	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.33	14.85				
			TOTAL REMOVALS	**1.47**	**70.05**	**0.00**	**0.00**	**0.14**	**6.72**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**128.36**	**4,745.85**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**23.74**	**65.80**
TOTAL	**152.10**	**4,811.65**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-192. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T04-01**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0301	2.76	49	21	11.10	3.00	18.35	14.50	24.86	36.50	6.14	0.86	0.94	2.00	51.00	56.00	1	36	4	3	1	4.15	PS					2.76	140.76
E0303	0.42	18	31	25.56	7.50	30.17	21.50	18.91	26.50	11.32	3.52	3.07	7.50	48.00	63.00	1	29	12	3	1	3.76	NH					0.42	20.16
pp485*	17.57	17	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					17.57	0.00
T0415	3.12	59	21	16.73	4.50	32.24	21.00	13.05	17.00	5.91	2.58	0.67	3.00	38.00	45.50	1	25	7	3	1	3.85	PS					3.12	118.56
T0416	23.18	54	25	10.77	3.00	22.08	15.00	14.46	21.50	8.25	4.54	3.25	7.50	36.50	47.00	1	28	18	3	1	3.99	PS					23.18	846.07
T0505	5.89	17	26P	123.09	31.11	11.60	7.78	1.09	1.11	11.20	3.64	0.00	3.33	8.89	43.33	5	31	22	3	1	2.13	NH					5.89	52.36
T0506	32.20	59	21	14.47	4.50	10.92	8.50	17.38	26.00	18.66	2.20	0.60	2.50	34.50	41.50	1	29	9	3	1	3.99	PS					32.20	1,110.90
T0507	23.62	54	25	52.56	11.50	22.15	17.00	18.40	25.50	12.90	5.00	2.89	9.00	42.50	63.00	1	36	16	3	1	4.22	PS					23.62	1,003.85
T0516	18.58	97	21	14.38	4.00	17.86	12.50	15.90	21.50	6.56	4.02	0.68	4.00	34.00	42.00	1	28	12	3	1	4.13	PS					18.58	631.72
T0519	16.49	67	21	15.32	4.50	13.85	10.00	15.22	21.50	14.62	4.05	1.21	5.00	31.50	41.00	1	31	15	3	1	4.18	PS					16.49	519.44
T0520	9.88	67	21	7.25	2.00	9.30	7.50	25.10	37.50	3.49	0.56	0.53	1.50	45.00	48.50	1	41	3	3	1	4.53	CS	9.88	444.60				
	153.71																						**9.88**	**444.60**	**0.00**	**0.00**	**143.83**	**4,443.82**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
E0301	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.97	49.47
E0303	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.14	6.72
T0516	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.15	5.10
T0519	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.02	0.63
T0520	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.33	14.85				
			TOTAL REMOVALS	**0.33**	**14.85**	**0.00**	**0.00**	**1.28**	**61.92**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**9.55**	**429.75**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**142.55**	**4,381.90**
TOTAL	**152.10**	**4,811.65**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-193. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T04-03R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
pp472*	57.93	16	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp637*	0.41	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
T0402	2.51	65	31	60.36	18.50	41.05	29.00	10.30	13.50	14.95	0.00	0.16	0.50	42.50	61.50	1	30	0	3	1	1	2.51	106.68				
T0404	7.07	34	26P	6.00	2.50	21.55	17.00	20.37	25.50	1.08	0.00	0.00	0.00	42.50	45.00	1	32	0	3	1	1	7.07	300.48				
T0405	13.14	40	31	43.85	13.50	36.59	27.00	8.19	12.00	2.40	2.27	1.87	4.50	39.00	57.00	1	29	8	3	1	0	13.14	512.46				
T0409	16.96	78	31	67.39	17.50	32.17	22.50	10.19	13.50	5.50	1.80	1.05	2.50	36.00	56.00	1	23	6	3	1	0	16.96	610.56				
T0410	30.43	48	21	34.06	10.50	11.52	8.00	15.04	23.50	20.26	5.01	2.17	6.50	31.50	48.50	1	33	21	3	1	0	30.43	958.55				
T0411	17.81	78	21	53.49	15.00	20.52	15.00	18.71	30.50	1.67	0.80	0.42	1.00	45.50	61.50	1	42	3	3	1	1	17.81	810.36				
T0412	11.20	50	26	41.69	11.00	25.86	17.00	12.55	18.00	8.63	2.25	1.75	4.50	35.00	50.50	1	13	9	3	1	0	11.20	392.00				
T0414	0.67	59	21	75.02	23.00	54.80	36.00	6.77	8.50	15.43	2.77	0.62	3.00	44.50	70.50	1	14	5	3	1	0			0.00	0.00		
T0509	20.67	72	21	16.31	4.50	10.07	6.50	13.93	21.50	5.33	2.72	2.16	5.00	28.00	37.50	1	23	17	3	1	0					0.00	0.00
T0512	9.23	64	26	17.26	4.50	11.52	8.50	14.41	23.50	0.00	0.00	0.29	0.50	32.00	37.00	1	37	1	3	1	0	0.00	0.00				
T0527	8.39	16	31P	304.15	62.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	1	42	0	3	1	0					0.00	0.00
	196.42																					**99.12**	**3,691.09**	**0.00**	**0.00**	**0.00**	**0.00**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
T0402	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	2.29	97.33				
T0404	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	7.07	300.48				
T0405	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	13.14	512.46				
T0409	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	12.42	447.12				
T0410	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	5.83	183.65				
T0411	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	5.72	260.26				
T0412	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	9.91	346.85				
			TOTAL REMOVALS	**56.38**	**2,148.15**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**42.74**	**1,542.94**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**0.00**	**0.00**
TOTAL	**42.74**	**1,542.94**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-194. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T04-03R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
pp472*	57.93	16	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp637*	0.41	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
T0402	2.51	65	31	60.36	18.50	41.05	29.00	10.30	13.50	14.95	0.00	0.16	0.50	42.50	61.50	1	30	0	3	1	3.75	PS					2.51	106.68
T0404	7.07	34	26P	6.00	2.50	21.55	17.00	20.37	25.50	1.08	0.00	0.00	0.00	42.50	45.00	1	32	0	3	1	4.02	PS					7.07	300.48
T0405	13.14	40	31	43.85	13.50	36.59	27.00	8.19	12.00	2.40	2.27	1.87	4.50	39.00	57.00	1	29	8	3	1	3.19	PS					13.14	512.46
T0409	16.96	78	31	67.39	17.50	32.17	22.50	10.19	13.50	5.50	1.80	1.05	2.50	36.00	56.00	1	23	6	3	1	3.60	PS					16.96	610.56
T0410	30.43	48	21	34.06	10.50	11.52	8.00	15.04	23.50	20.26	5.01	2.17	6.50	31.50	48.50	1	33	21	3	1	3.84	PS					30.43	958.55
T0411	17.81	78	21	53.49	15.00	20.52	15.00	18.71	30.50	1.67	0.80	0.42	1.00	45.50	61.50	1	42	3	3	1	4.46	PS			17.81	810.36		
T0412	11.20	50	26	41.69	11.00	25.86	17.00	12.55	18.00	8.63	2.25	1.75	4.50	35.00	50.50	1	13	9	3	1	3.52	PS					11.20	392.00
T0414	0.67	59	21	75.02	23.00	54.80	36.00	6.77	8.50	15.43	2.77	0.62	3.00	44.50	70.50	1	14	5	3	1	3.09	PS					0.00	
T0509	20.67	72	21	16.31	4.50	10.07	6.50	13.93	21.50	5.33	2.72	2.16	5.00	28.00	37.50	1	23	17	3	1	4.08	PS					0.00	0.00
T0512	9.23	64	26	17.26	4.50	11.52	8.50	14.41	23.50	0.00	0.00	0.29	0.50	32.00	37.00	1	37	1	3	1	4.18	PS					0.00	0.00
T0527	8.39	16	31P	304.15	62.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	1	42	0	3	1	2.46	NH					0.00	0.00
	196.42																						**0.00**	**0.00**	**17.81**	**810.36**	**81.31**	**2,880.73**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
T0402	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.29	97.33
T0404	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					7.07	300.48
T0405	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					13.14	512.46
T0409	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					12.42	447.12
T0410	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					5.83	183.65
T0411	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			5.72	260.26		
T0412	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					9.91	346.85
			TOTAL REMOVALS	**0.00**	**0.00**	**5.72**	**260.26**	**50.66**	**1,887.89**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**12.09**	**550.10**
Future Potential Habitat	**30.65**	**992.84**
TOTAL	**42.74**	**1,542.94**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-195. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T05-02**, Alternative A Transformation project, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0803	0.47	49	31	14.68	4.50	32.98	24.50	18.72	25.50	0.00	0.00	0.23	0.50	50.00	55.00	1	40	0	3	2	1	0.47	23.50				
E0804	1.31	49	21	37.21	11.50	24.23	18.00	17.81	26.50	3.35	1.83	1.71	4.00	44.50	60.00	2	38	8	3	2	1	1.31	58.30				
pp472*	33.13	16	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					33.13	0.00
pp485*	9.01	17	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					9.01	0.00
pp637*	1.95	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.95	0.00
T0405	0.10	40	31	43.85	13.50	36.59	27.00	8.19	12.00	2.40	2.27	1.87	4.50	39.00	57.00	1	29	8	3	1	0	0.10	3.90				
T0406	4.08	51	26	23.02	6.50	20.08	14.50	16.88	22.00	4.77	2.00	1.31	3.50	36.50	46.50	1	30	8	3	1	0	4.08	148.92				
T0414	8.86	59	21	75.02	23.00	54.80	36.00	6.77	8.50	15.43	2.77	0.62	3.00	44.50	70.50	1	14	5	3	1	0			8.86	394.27		
T0415	8.30	59	21	16.73	4.50	32.24	21.00	13.05	17.00	5.91	2.58	0.67	3.00	38.00	45.50	1	25	7	3	1	0	8.30	315.40				
T0418	2.14	59	21	46.60	10.00	25.32	20.00	15.64	25.00	0.00	0.00	0.00	0.00	45.00	55.00	1	15	0	3	1	1	2.14	96.30				
T0505	3.13	17	26P	123.09	31.11	11.60	7.78	1.09	1.11	11.20	3.64	0.00	3.33	8.89	43.33	5	31	22	3	1	0					3.13	27.83
T0506	0.80	59	21	14.47	4.50	10.92	8.50	17.38	26.00	18.66	2.20	0.60	2.50	34.50	41.50	1	29	9	3	1	0	0.80	27.60				
T0512	32.21	64	26	17.26	4.50	11.52	8.50	14.41	23.50	0.00	0.00	0.29	0.50	32.00	37.00	1	37	1	3	1	0	32.21	1,030.72				
T0513	26.31	67	21	16.43	5.50	15.62	10.50	9.03	13.50	14.41	1.63	2.98	5.50	24.00	35.00	1	16	16	3	1	0					26.31	631.44
T0514	5.71	17	53**	19.59	6.67	6.91	5.00	0.00	0.00	24.73	14.46	0.71	11.67	5.00	23.33	6	13	69	3	1	0					0.00	0.00
T0519	13.20	67	21	15.32	4.50	13.85	10.00	15.22	21.50	14.62	4.05	1.21	5.00	31.50	41.00	1	31	15	3	1	0	13.20	415.80				
T0527	37.29	16	31P	304.15	62.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	1	42	0	3	1	0					37.29	0.00
	188.00																					**62.61**	**2,120.44**	**8.86**	**394.27**	**110.82**	**659.27**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
T0405	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	0.10	3.90				
T0406	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	2.05	74.83				
T0414	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			4.64	206.48		
			2009 SUB-TOTAL	**2.15**	**78.73**	**4.64**	**206.48**	**0.00**	**0.00**
E0803	2010	65557	Repair Existing Training Area Roads	0.29	14.50				
E0804	2010	65557	Repair Existing Training Area Roads	0.52	23.14				
T0512	2010	65557	Repair Existing Training Area Roads	0.41	13.12				
			2010 SUB-TOTAL	**1.22**	**50.76**	**0.00**	**0.00**	**0.00**	**0.00**
			TOTAL REMOVALS	**3.37**	**129.49**	**4.64**	**206.48**	**0.00**	**0.00**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**60.46**	**2,041.71**	**59.24**	**1,990.95**
Potentially Suitable Habitat	**4.22**	**187.79**	**4.22**	**187.79**
Future Potential Habitat	**110.82**	**659.27**	**110.82**	**659.27**
TOTAL	**175.50**	**2,888.77**	**174.28**	**2,838.01**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation
53** = White Oak-Red Oak-Hickory (managed for hardwoods)

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-196. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T05-02**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0803	0.47	49	31	14.68	4.50	32.98	24.50	18.72	25.50	0.00	0.00	0.23	0.50	50.00	55.00	1	40	0	3	2	4.41	PS					0.47	23.50
E0804	1.31	49	21	37.21	11.50	24.23	18.00	17.81	26.50	3.35	1.83	1.71	4.00	44.50	60.00	2	38	8	3	2	4.09	PS					1.31	58.30
pp472*	33.13	16	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					33.13	0.00
pp485*	9.01	17	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					9.01	0.00
pp637*	1.95	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.95	0.00
T0405	0.10	40	31	43.85	13.50	36.59	27.00	8.19	12.00	2.40	2.27	1.87	4.50	39.00	57.00	1	29	8	3	1	3.19	PS					0.10	3.90
T0406	4.08	51	26	23.02	6.50	20.08	14.50	16.88	22.00	4.77	2.00	1.31	3.50	36.50	46.50	1	30	8	3	1	4.08	PS					4.08	148.92
T0414	8.86	59	21	75.02	23.00	54.80	36.00	6.77	8.50	15.43	2.77	0.62	3.00	44.50	70.50	1	14	5	3	1	3.09	PS					8.86	394.27
T0415	8.30	59	21	16.73	4.50	32.24	21.00	13.05	17.00	5.91	2.58	0.67	3.00	38.00	45.50	1	25	7	3	1	3.85	PS					8.30	315.40
T0418	2.14	59	21	46.60	10.00	25.32	20.00	15.64	25.00	0.00	0.00	0.00	0.00	45.00	55.00	1	15	0	3	1	3.86	PS					2.14	96.30
T0505	3.13	17	26P	123.09	31.11	11.60	7.78	1.09	1.11	11.20	3.64	0.00	3.33	8.89	43.33	5	31	22	3	1	2.13	NH					3.13	27.83
T0506	0.80	59	21	14.47	4.50	10.92	8.50	17.38	26.00	18.66	2.20	0.60	2.50	34.50	41.50	1	29	9	3	1	3.99	PS					0.80	27.60
T0512	32.21	64	26	17.26	4.50	11.52	8.50	14.41	23.50	0.00	0.00	0.29	0.50	32.00	37.00	1	37	1	3	1	4.18	PS					32.21	1,030.72
T0513	26.31	67	21	16.43	5.50	15.62	10.50	9.03	13.50	14.41	1.63	2.98	5.50	24.00	35.00	1	16	16	3	1	3.50	PS					26.31	631.44
T0514	5.71	17	53	19.59	6.67	6.91	5.00	0.00	0.00	24.73	14.46	0.71	11.67	5.00	23.33	6	13	69	3	1	2.08	NH					0.00	0.00
T0519	13.20	67	21	15.32	4.50	13.85	10.00	15.22	21.50	14.62	4.05	1.21	5.00	31.50	41.00	1	31	15	3	1	4.18	PS					13.20	415.80
T0527	37.29	16	31P	304.15	62.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	1	42	0	3	1	2.46	NH					37.29	0.00
	188.00																						**0.00**	**0.00**	**0.00**	**0.00**	**182.29**	**3,173.98**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
T0405	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.10	3.90
T0406	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.05	74.83
T0414	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					4.64	206.48
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**6.79**	**285.21**
E0803	2010	65557	Repair Existing Training Area Roads					0.29	14.50
E0804	2010	65557	Repair Existing Training Area Roads					0.52	23.14
T0512	2010	65557	Repair Existing Training Area Roads					0.41	13.12
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**1.22**	**50.76**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**8.01**	**335.97**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**175.50**	**2,888.77**	**174.28**	**2,838.01**
TOTAL	**175.50**	**2,888.77**	**174.28**	**2,838.01**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation
53** = White Oak-Red Oak-Hickory (managed for hardwoods)

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table D-197. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **U04-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0694	0.64	64	31	75.07	22.22	15.11	9.44	6.59	11.11	16.51	11.88	4.83	15.56	20.56	58.33	1	15	44	0	0	0					0.64	13.16
M0697	0.87	73	31	123.41	34.50	14.42	10.00	8.77	12.00	6.83	2.24	1.02	3.00	22.00	59.50	1	21	12	0	0	0					0.00	0.00
pp200*	15.99	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					15.99	0.00
SHC33	1.01	68	13	0.00	0.00	0.00	0.00	14.69	31.43	13.78	9.42	5.62	18.57	31.43	50.00	6	19	51	0	0	0			0.00	0.00		
U0403	15.03	40	26	47.20	13.50	12.65	8.50	6.21	9.50	36.63	7.06	1.97	8.50	18.00	40.00	1	13	32	3	1	0					15.03	270.54
U0404	1.56	47	31	97.89	31.67	56.70	38.33	13.65	21.67	24.32	5.00	0.67	5.00	60.00	96.67	1	13	7	3	1	0			1.56	93.60		
U0405	4.57	75	09	32.46	7.50	28.04	20.00	9.36	15.00	55.86	8.43	5.48	12.50	35.00	55.00	7	0	27	3	1	0			4.57	159.95		
U0406	13.84	75	21	15.52	4.50	11.68	8.00	27.88	46.00	16.71	4.56	2.00	6.00	54.00	64.50	1	22	14	3	1	1	13.84	747.36				
U0409	12.08	68	41**	3.88	1.50	11.13	8.50	16.81	29.50	56.22	25.84	14.41	38.50	38.00	78.00	7	6	59	3	1	0					0.00	0.00
U0410	15.62	75	31	22.97	6.50	17.59	12.50	20.45	31.00	38.88	13.31	4.18	16.50	43.50	66.50	1	10	31	3	1	0	15.62	679.47				
U0412	8.29	75	21	30.69	8.75	17.45	12.50	27.92	45.00	0.00	0.00	0.00	0.00	57.50	66.25	1	33	0	3	1	1	8.29	476.68				
U0413	8.76	75	13	15.69	3.75	20.05	13.75	12.59	21.25	36.38	1.62	1.12	2.50	35.00	41.25	7	5	8	3	1	0			8.76	306.60		
U0416	12.95	75	21	66.05	16.67	9.50	6.67	15.76	23.33	4.33	4.62	0.00	3.33	30.00	50.00	1	24	15	3	1	0	12.95	388.50				
U0420	7.94	40	21	18.89	5.71	16.38	12.86	29.68	47.14	0.00	0.00	0.00	0.00	60.00	65.71	2	20	0	3	1	1	7.94	476.40				
U0421	12.54	68	10	1.11	0.50	6.00	5.00	21.17	45.50	13.46	11.41	7.52	23.00	50.50	74.00	1	18	41	3	1	0	12.54	633.27				
U0422	14.43	75	31	58.77	17.50	16.89	11.50	8.63	12.00	31.71	9.24	5.12	14.50	23.50	55.50	1	9	36	3	1	0					14.43	339.11
U0423	1.29	85	42***	0.00	0.00	0.00	0.00	16.48	40.00	25.98	29.74	25.71	60.00	40.00	100.00	9	0	77	3	1	0					0.00	0.00
U0514	0.52	21	31P	241.28	63.00	5.62	3.00	0.00	0.00	3.74	0.00	0.00	0.00	3.00	66.00	6	35	0	3	1	0					0.00	0.00
	147.93																					**71.18**	**3,401.68**	**14.89**	**560.15**	**46.09**	**622.81**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
U0410	2007	65068-B	Trainee Barracks Complex 2	0.13	5.66				
U0416	2007	65068-B	Trainee Barracks Complex 2	10.21	306.30				
U0420	2007	65068-B	Trainee Barracks Complex 2	3.47	208.20				
U0421	2007	65068-B	Trainee Barracks Complex 2	11.78	594.89				
U0422	2007	65068-B	Trainee Barracks Complex 2					14.43	339.11
				25.59	**1,115.05**	**0.00**	**0.00**	**14.43**	**339.11**

POST-PROJECT

	2007 Acres	2007 BA
Suitable Habitat	**45.59**	**2,286.63**
Potentially Suitable Habitat	**14.89**	**560.15**
Future Potential Habitat	**31.66**	**283.70**
TOTAL	**92.14**	**3,130.48**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
9 = Yellow Pine-Cove Hardwood
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21p = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
41** = Cove Hardwood-Yellow Pine (managed for hardwoods)
42*** = Upland Hardwood-Yellow Pine (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table D-198. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **U04-01R**, Alternative A Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0694	0.64	64	31	75.07	22.22	15.11	9.44	6.59	11.11	16.51	11.88	4.83	15.56	20.56	58.33	1	15	44	0	0	3.09	PS					0.64	13.16
M0697	0.87	73	31	123.41	34.50	14.42	10.00	8.77	12.00	6.83	2.24	1.02	3.00	22.00	59.50	1	21	12	0	0	3.14	PS					0.00	0.00
pp200*	15.99	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					15.99	0.00
SHC33	1.01	68	13	0.00	0.00	0.00	0.00	14.69	31.43	13.78	9.42	5.62	18.57	31.43	50.00	6	19	51	0	0	3.60	PS					0.00	0.00
U0403	15.03	40	26	47.20	13.50	12.65	8.50	6.21	9.50	36.63	7.06	1.97	8.50	18.00	40.00	1	13	32	3	1	2.80	PS					15.03	270.54
U0404	1.56	47	31	97.89	31.67	56.70	38.33	13.65	21.67	24.32	5.00	0.67	5.00	60.00	96.67	1	13	7	3	1	3.65	PS					1.56	93.60
U0405	4.57	75	09	32.46	7.50	28.04	20.00	9.36	15.00	55.86	8.43	5.48	12.50	35.00	55.00	7	0	27	3	1	3.27	PS					4.57	159.95
U0406	13.84	75	21	15.52	4.50	11.68	8.00	27.88	46.00	16.71	4.56	2.00	6.00	54.00	64.50	1	22	14	3	1	4.33	PS			13.84	747.36		
U0409	12.08	68	41**	3.88	1.50	11.13	8.50	16.81	29.50	56.22	25.84	14.41	38.50	38.00	78.00	7	6	59	3	1	3.58	PS					0.00	0.00
U0410	15.62	75	31	22.97	6.50	17.59	12.50	20.45	31.00	38.88	13.31	4.18	16.50	43.50	66.50	1	10	31	3	1	4.12	PS			15.62	679.47		
U0412	8.29	75	21	30.69	8.75	17.45	12.50	27.92	45.00	0.00	0.00	0.00	0.00	57.50	66.25	1	33	0	3	1	4.41	PS			8.29	476.68		
U0413	8.76	75	13	15.69	3.75	20.05	13.75	12.59	21.25	36.38	1.62	1.12	2.50	35.00	41.25	7	5	8	3	1	3.43	PS					8.76	306.60
U0416	12.95	75	21	66.05	16.67	9.50	6.67	15.76	23.33	4.33	4.62	0.00	3.33	30.00	50.00	1	24	15	3	1	3.98	PS					12.95	388.50
U0420	7.94	40	21	18.89	5.71	16.38	12.86	29.68	47.14	0.00	0.00	0.00	0.00	60.00	65.71	2	20	0	3	1	4.05	PS					7.94	476.40
U0421	12.54	68	10	1.11	0.50	6.00	5.00	21.17	45.50	13.46	11.41	7.52	23.00	50.50	74.00	1	18	41	3	1	4.23	PS			12.54	633.27		
U0422	14.43	75	31	58.77	17.50	16.89	11.50	8.63	12.00	31.71	9.24	5.12	14.50	23.50	55.50	1	9	36	3	1	3.14	PS					14.43	339.11
U0423	1.29	85	42***	0.00	0.00	0.00	0.00	16.48	40.00	25.98	29.74	25.71	60.00	40.00	100.00	9	0	77	3	1	3.52	PS					0.00	0.00
U0514	0.52	21	31P	241.28	63.00	5.62	3.00	0.00	0.00	3.74	0.00	0.00	0.00	3.00	66.00	6	35	0	3	1	2.13	NH					0.00	0.00
	147.93																						**0.00**	**0.00**	**50.29**	**2,536.78**	**81.87**	**2,047.86**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
U0410	2007	65068-B	Trainee Barracks Complex 6			0.13	5.66		
U0416	2007	65068-B	Trainee Barracks Complex 6					10.21	306.30
U0420	2007	65068-B	Trainee Barracks Complex 6					3.47	208.20
U0421	2007	65068-B	Trainee Barracks Complex 6			11.78	594.89		
U0422	2007	65068-B	Trainee Barracks Complex 6					14.43	339.11
				0.00	**0.00**	**11.91**	**600.55**	**28.11**	**853.61**

POST-PROJECT

	2007 Acres	2007 BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**38.38**	**1,936.23**
Future Potential Habitat	**53.76**	**1,194.25**
TOTAL	**92.14**	**3,130.48**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
9 = Yellow Pine-Cove Hardwood
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21p = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
41** = Cove Hardwood-Yellow Pine
42*** = Upland Hardwood-Yellow Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

APPENDIX E

FIGURES FOR THE STANDARD FOR MANAGED STABILITY (SMS) AND RECOVERY STANDARDS (RS) RED-COCKADED WOODPECKER (RCW) FORAGING PARTITIONS – ALTERNATIVE A

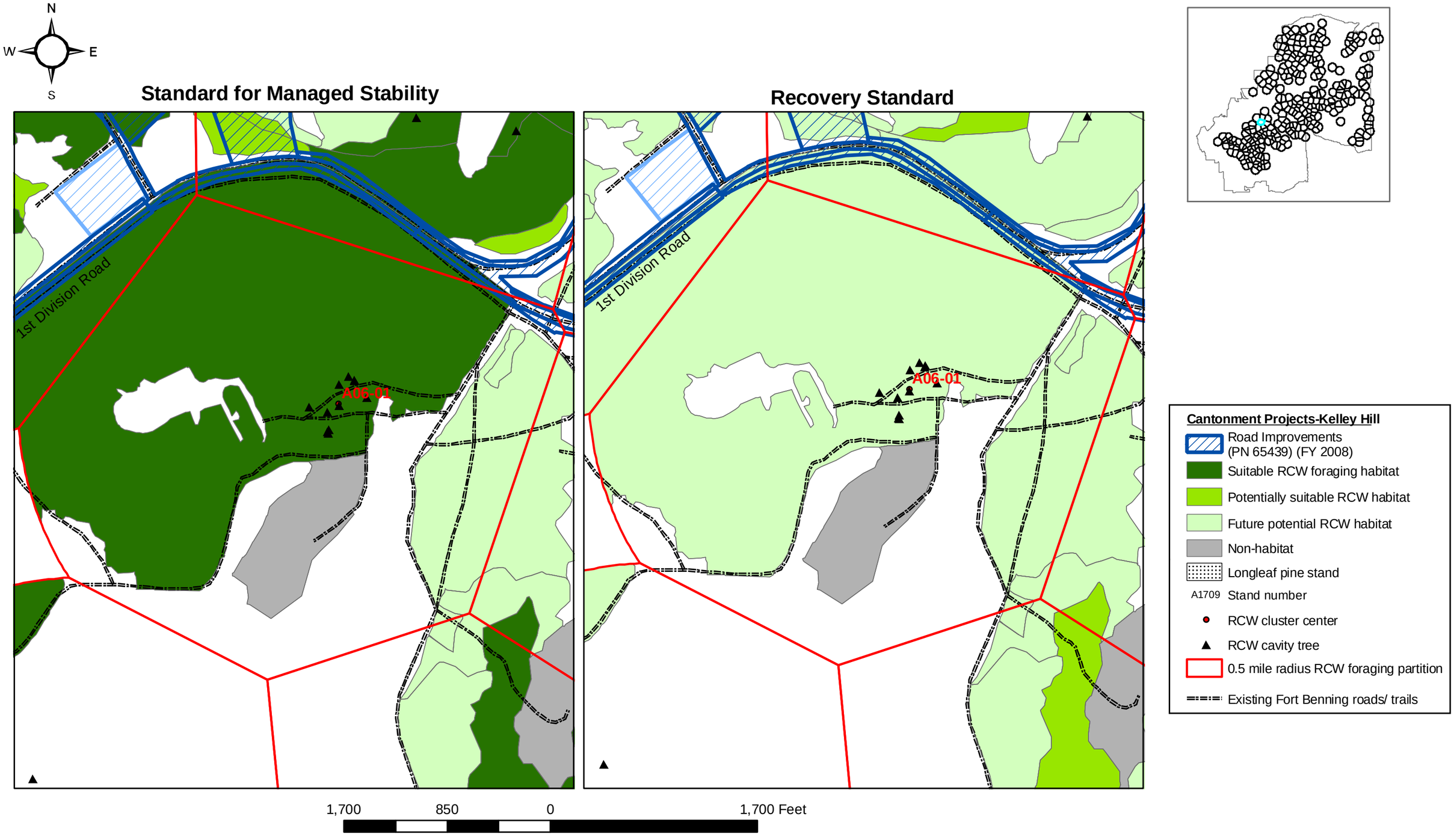

Figure E-1. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A06-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

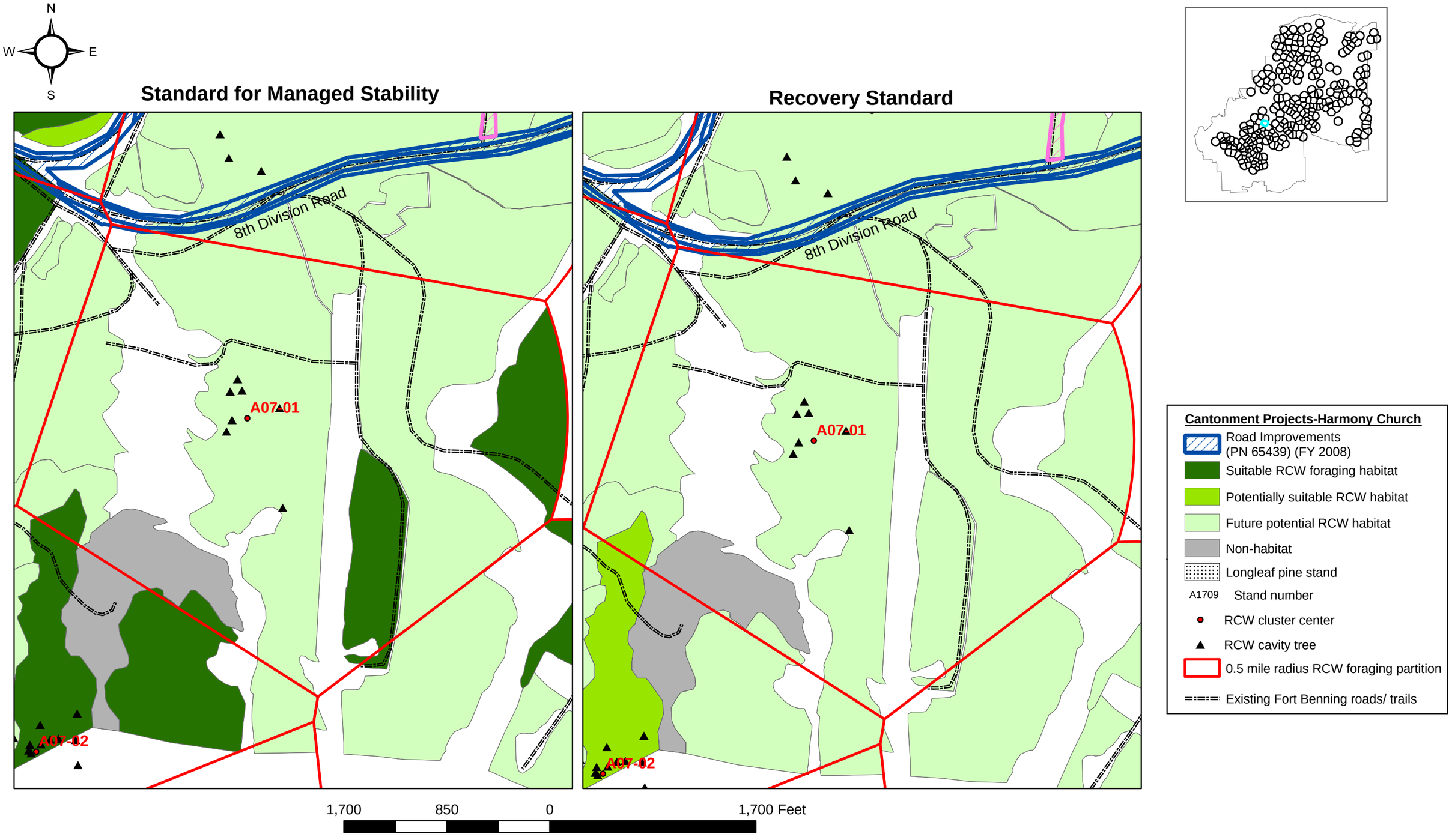

Figure E-2. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A07-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

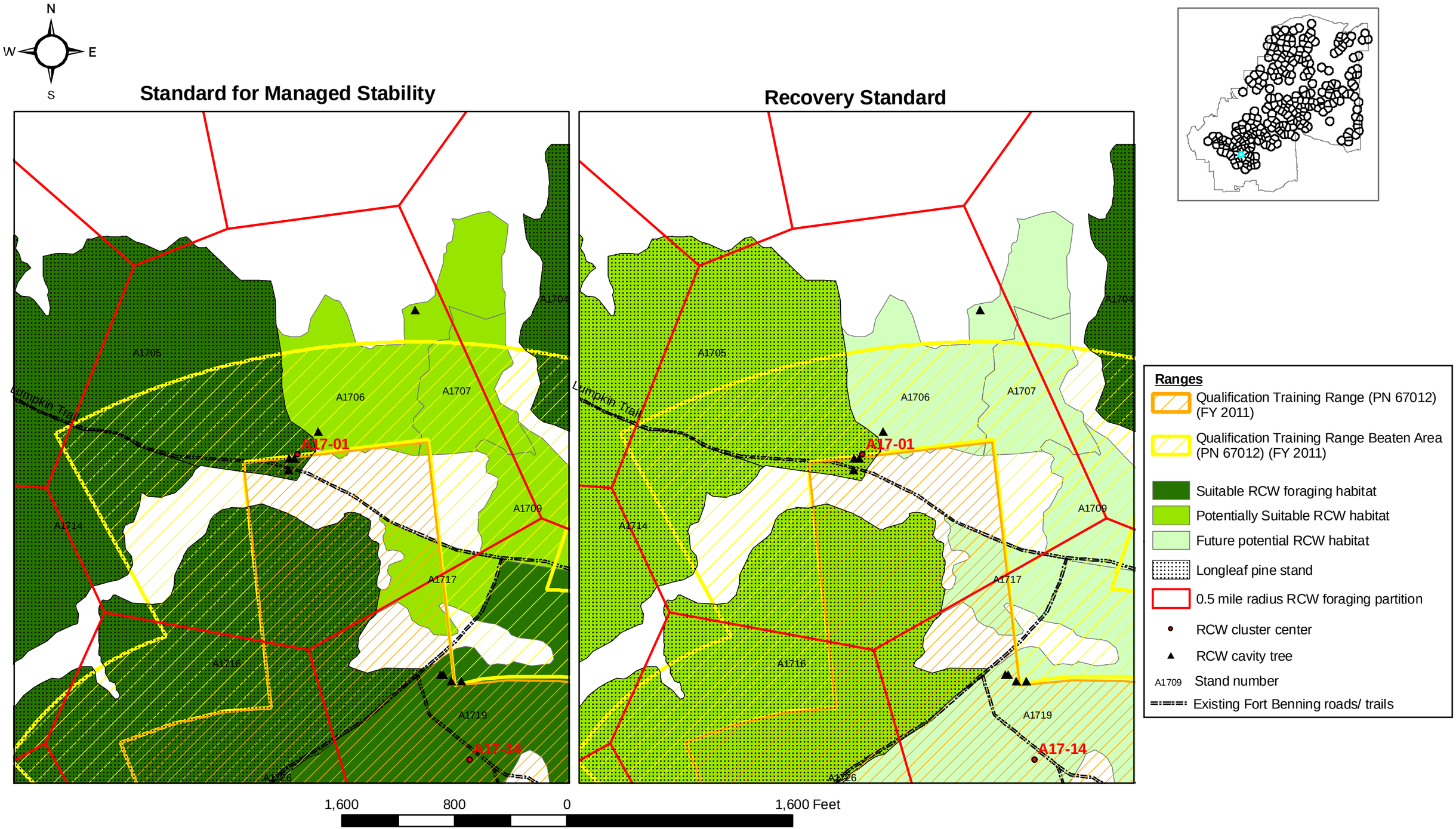

Figure E-3. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

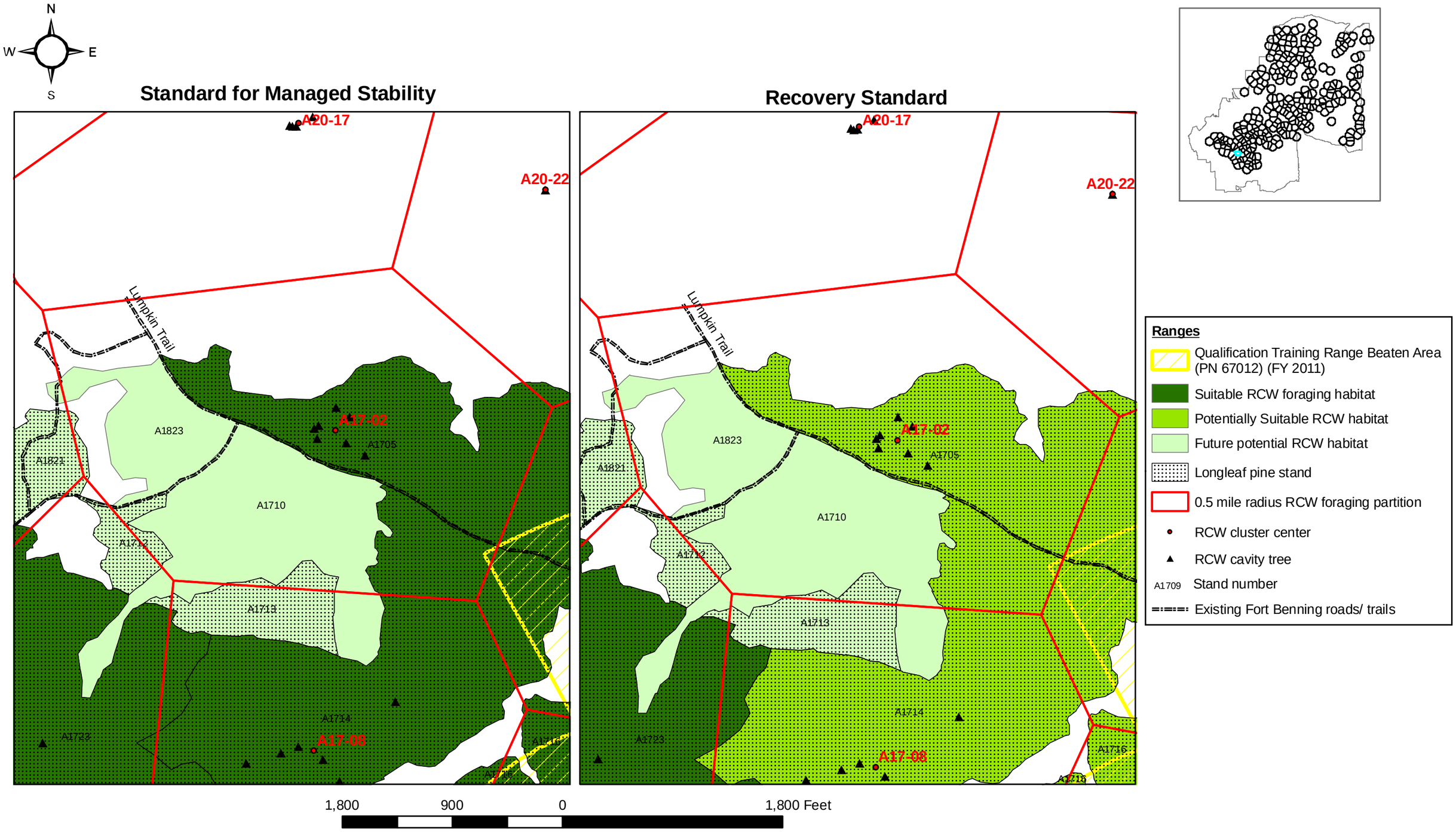

Figure E-4. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alterntaive A Transformation projects, Fort Benning, Georgia.

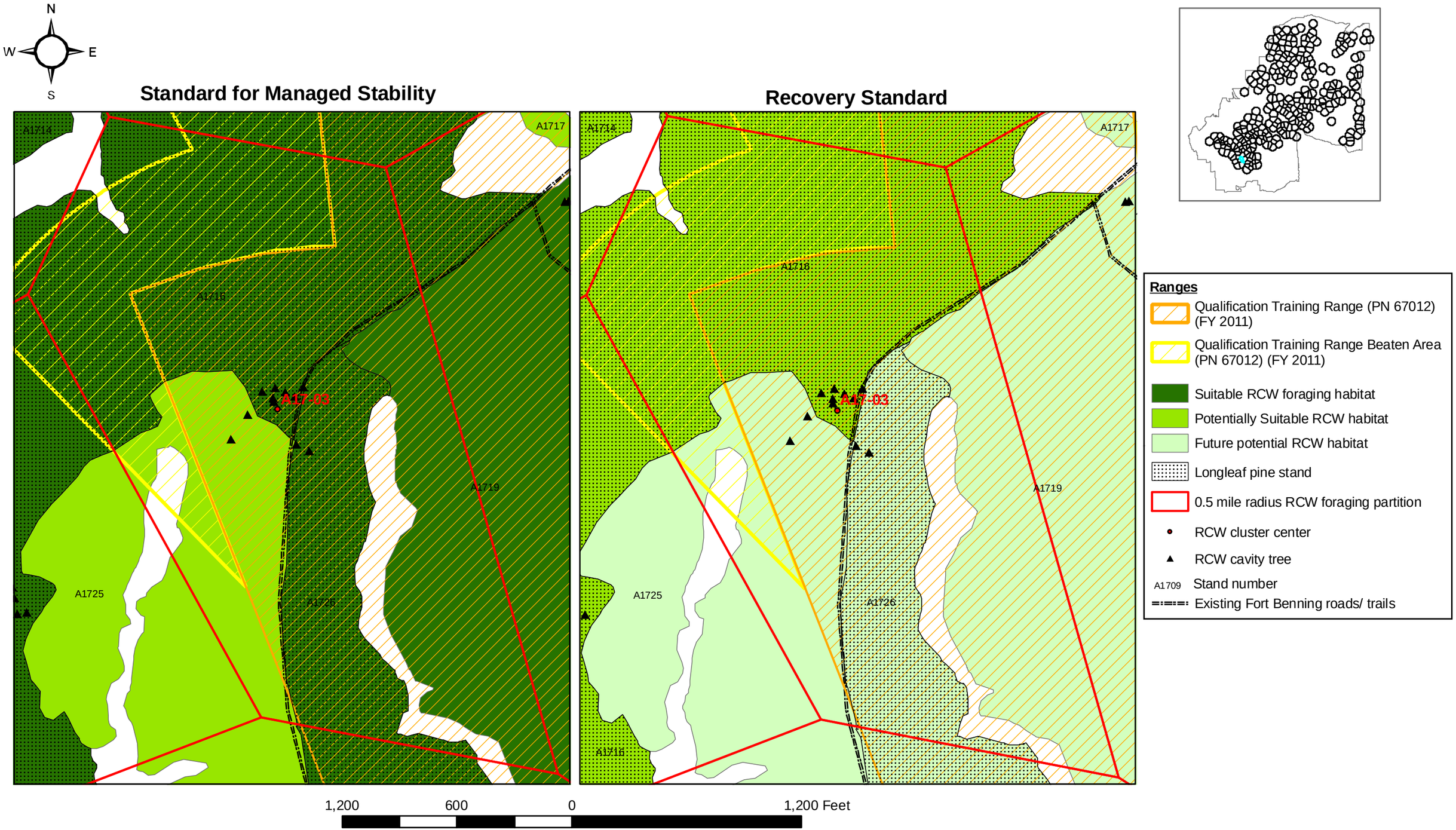

Figure E-5. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-03** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

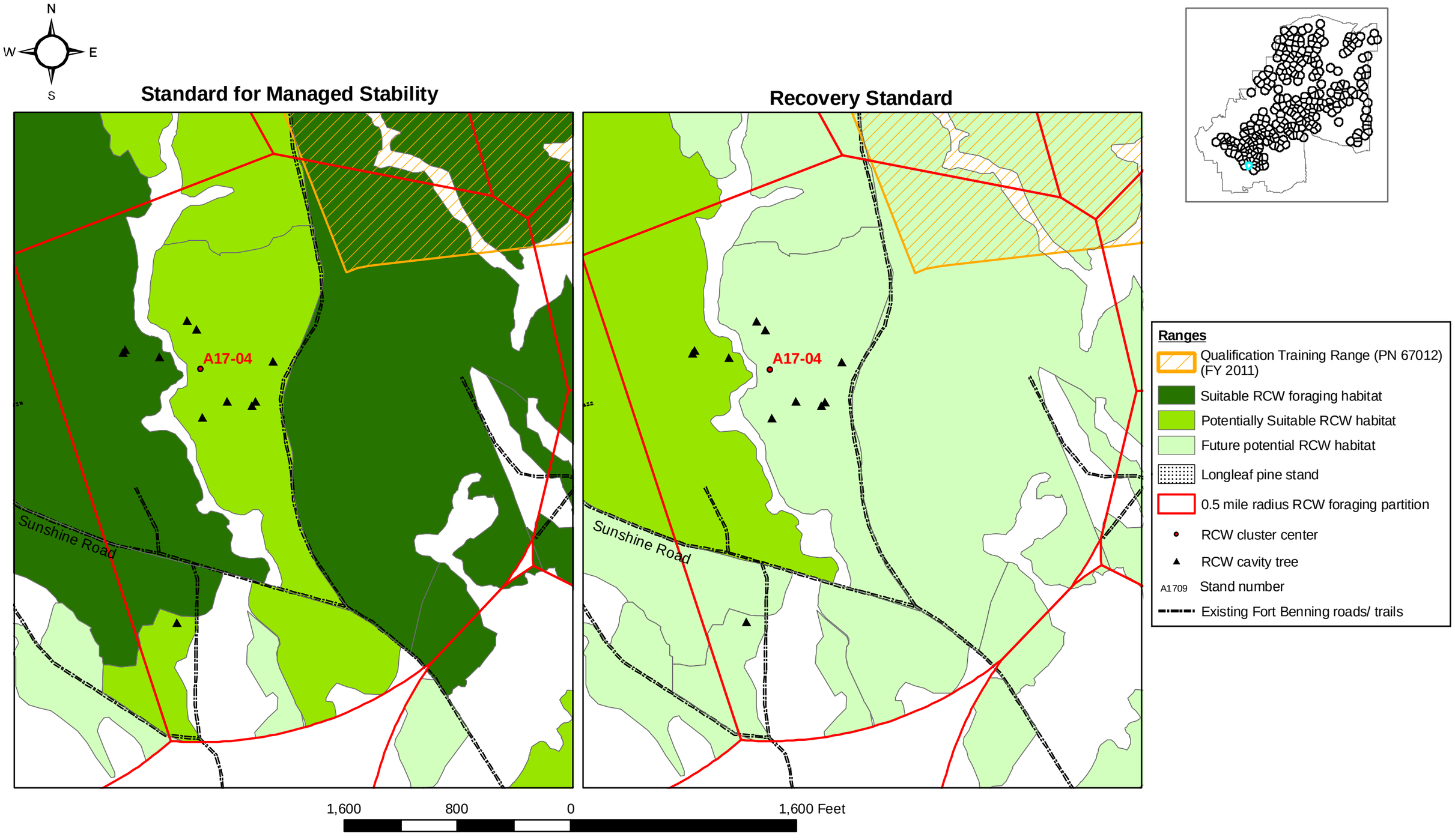

Figure E-6. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-04** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

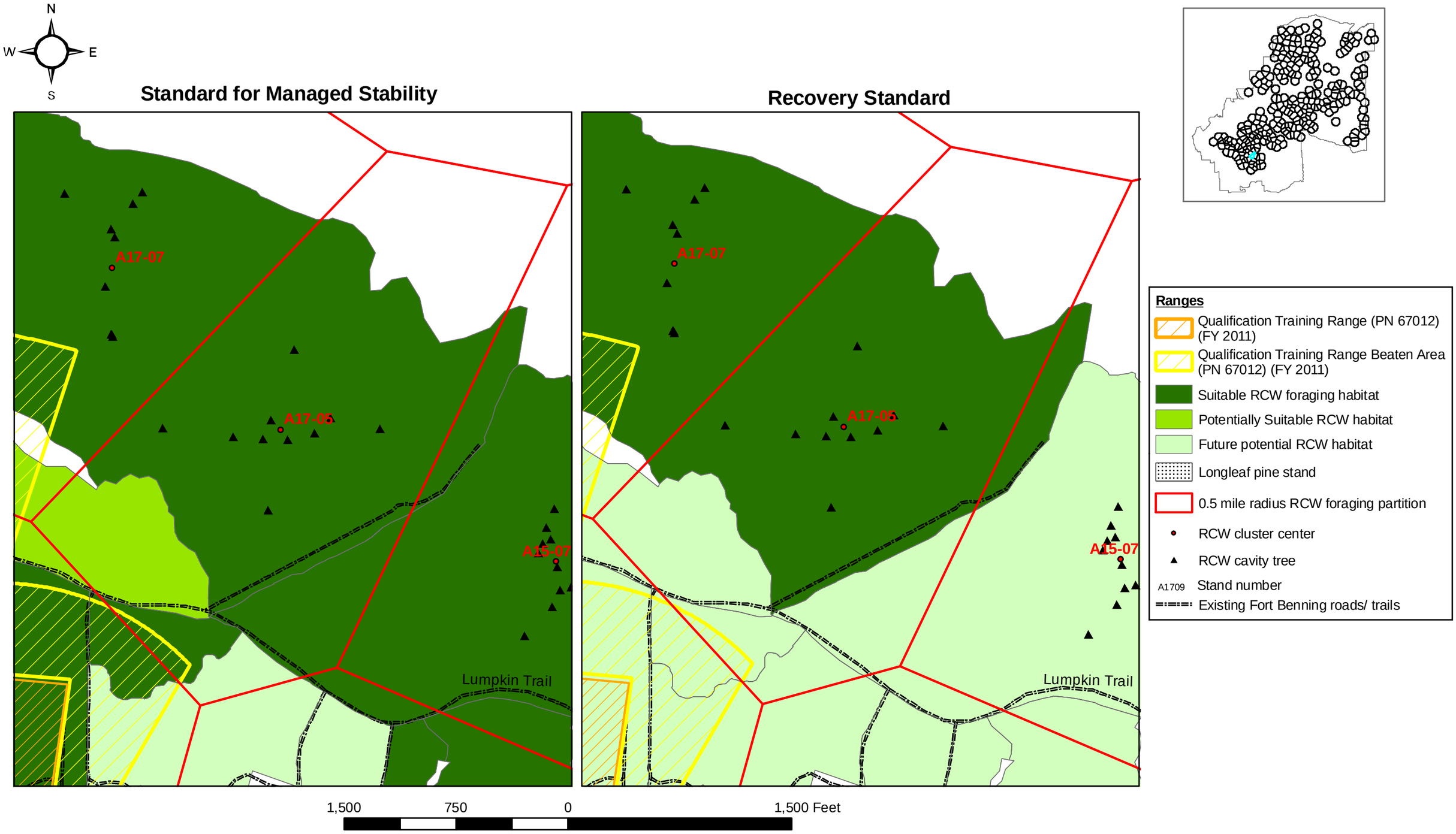

Figure E-7. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-05** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

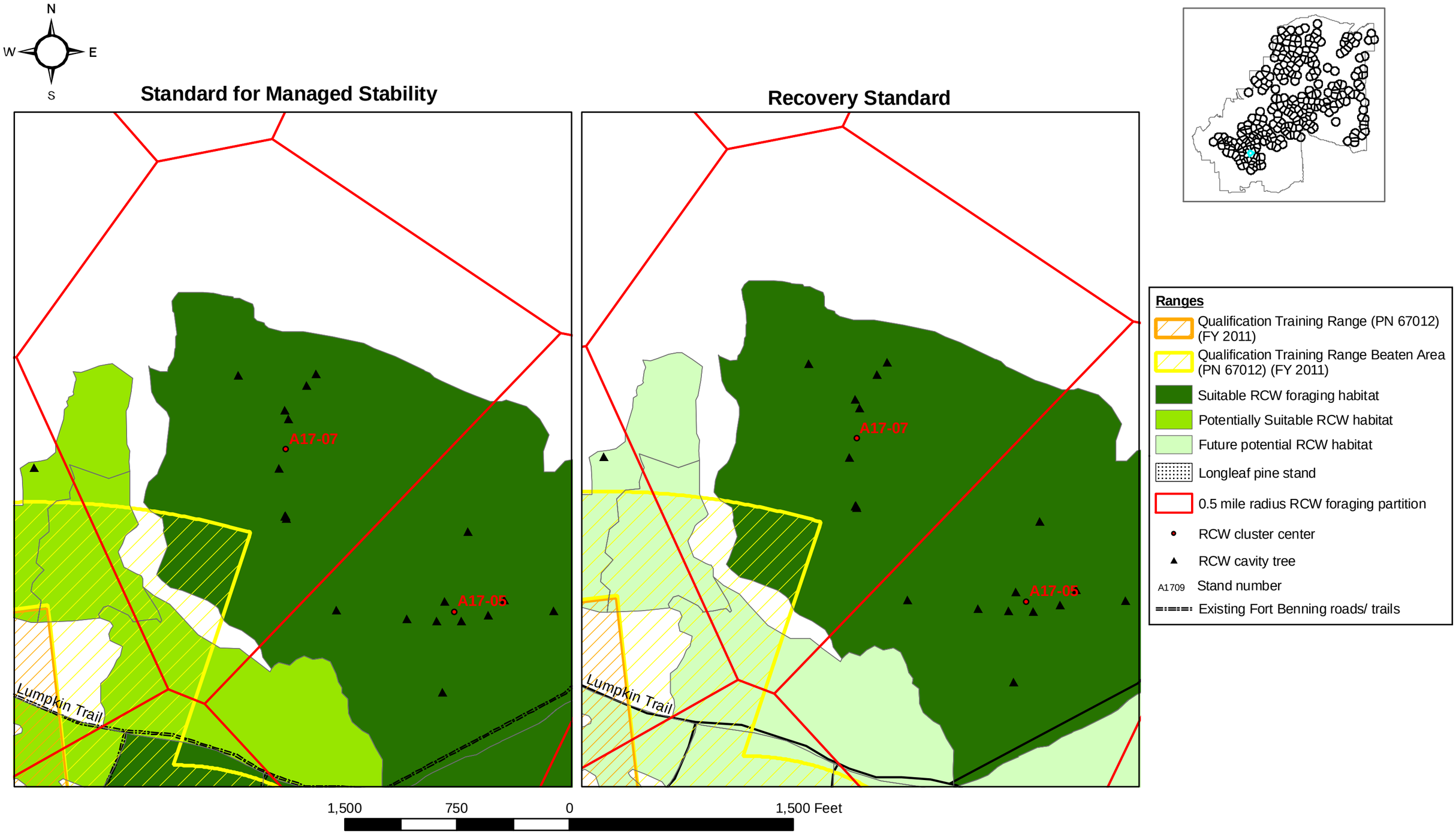

Figure E-8. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-07** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

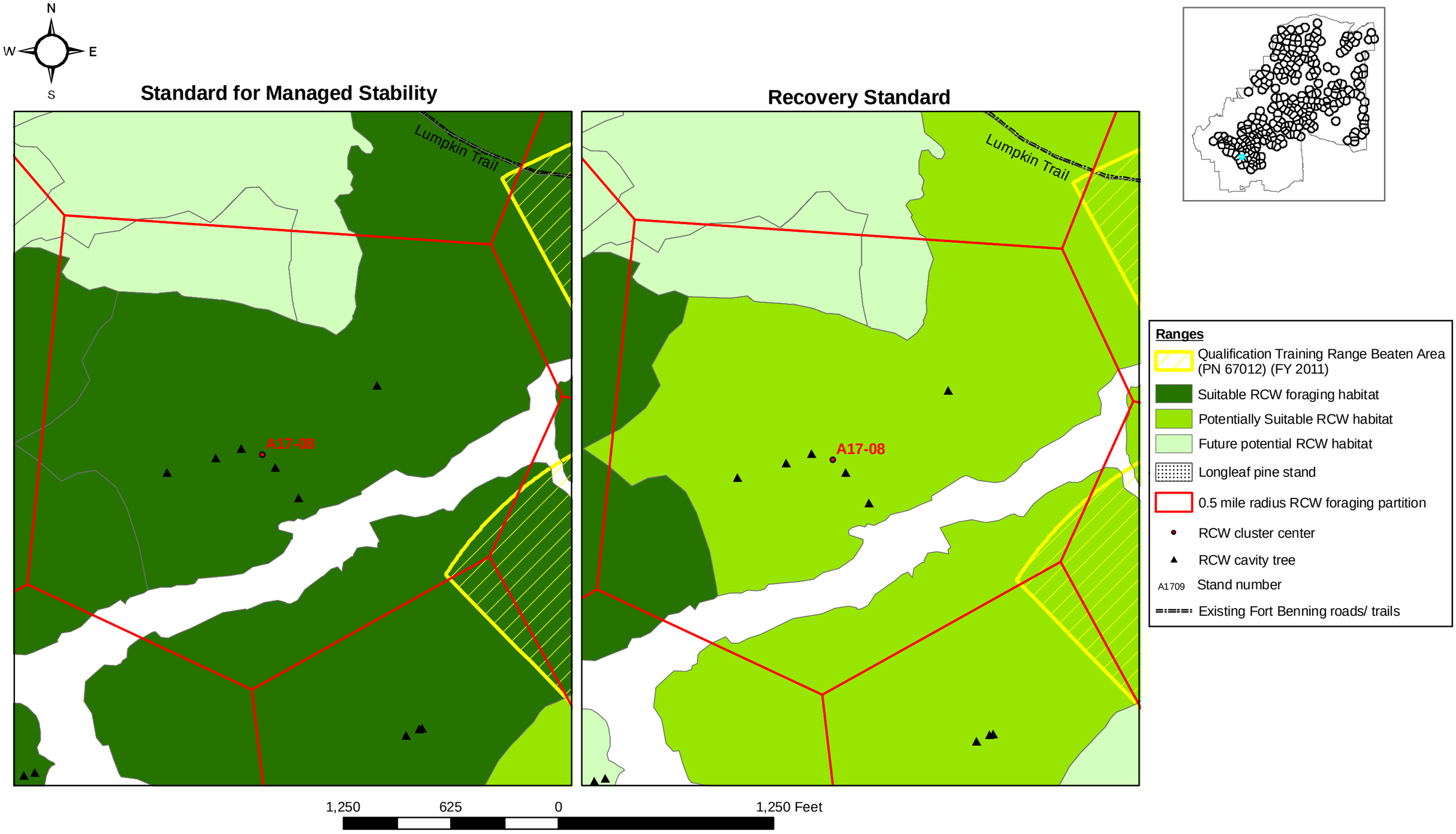

Figure E-9. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-08** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

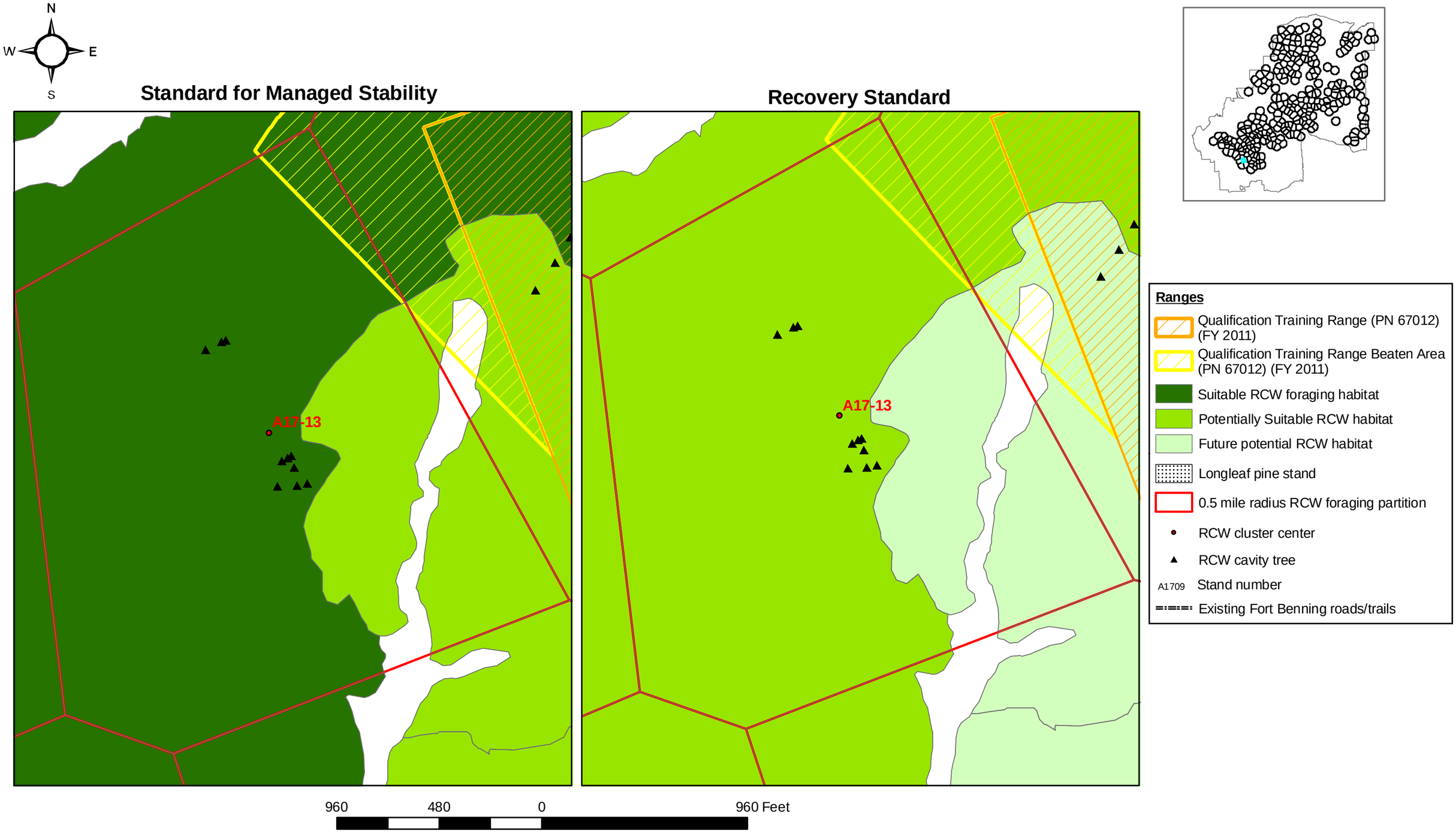

Figure E-10. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-13** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

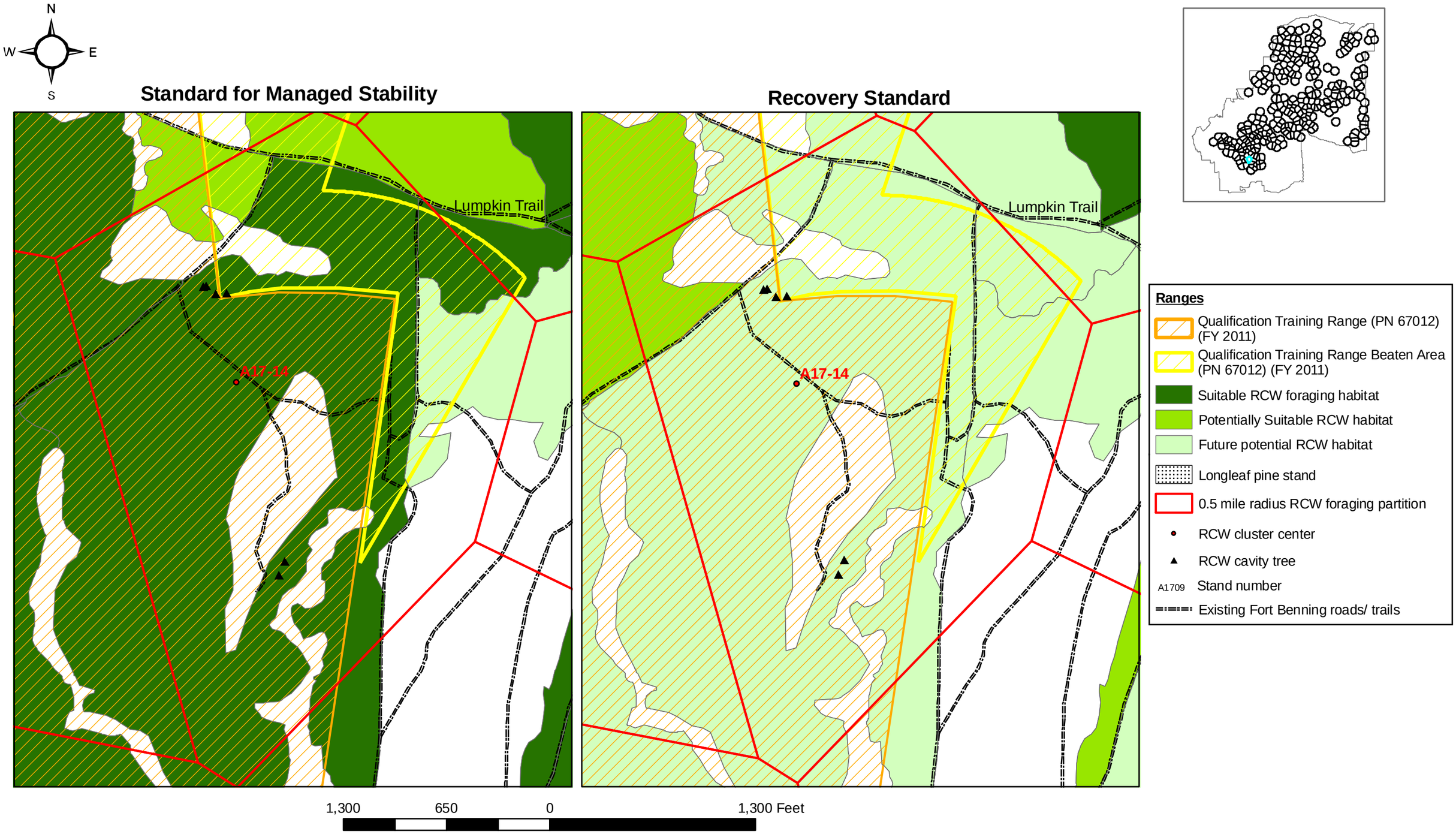

Figure E-11. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-14** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning Military Installation, Georgia.

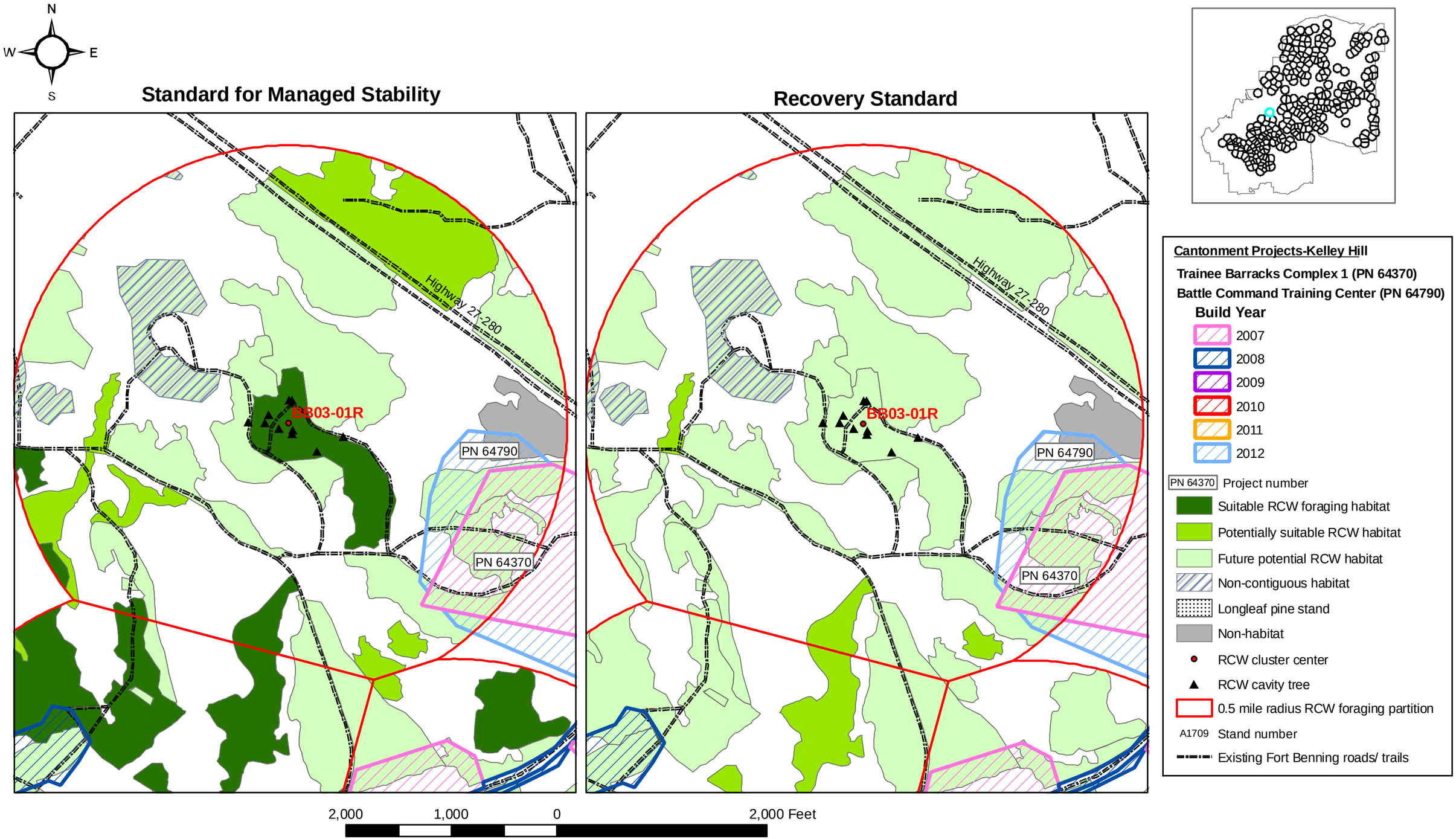

Figure E-12. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **BB03-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

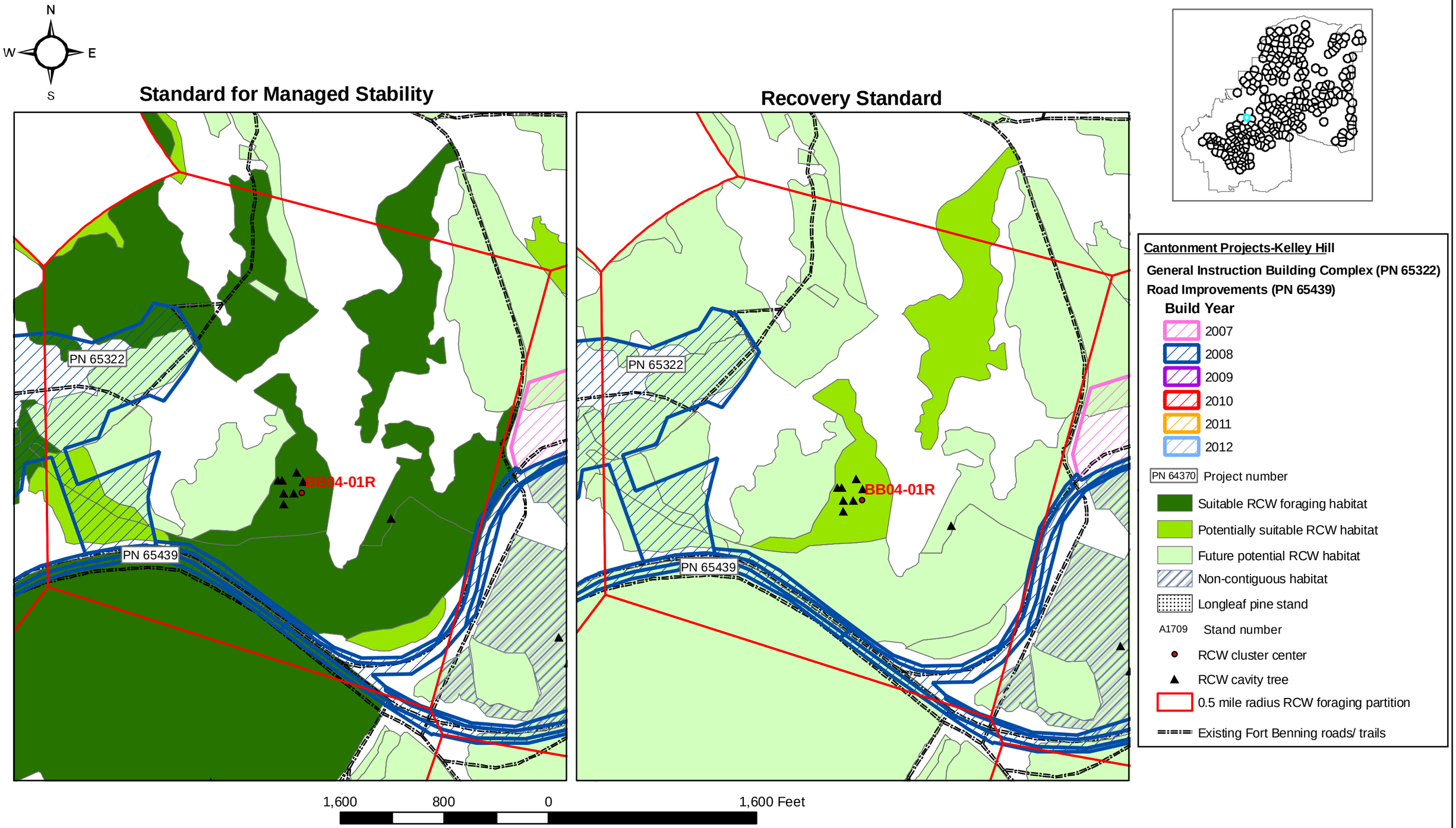

Figure E-13. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **BB04-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

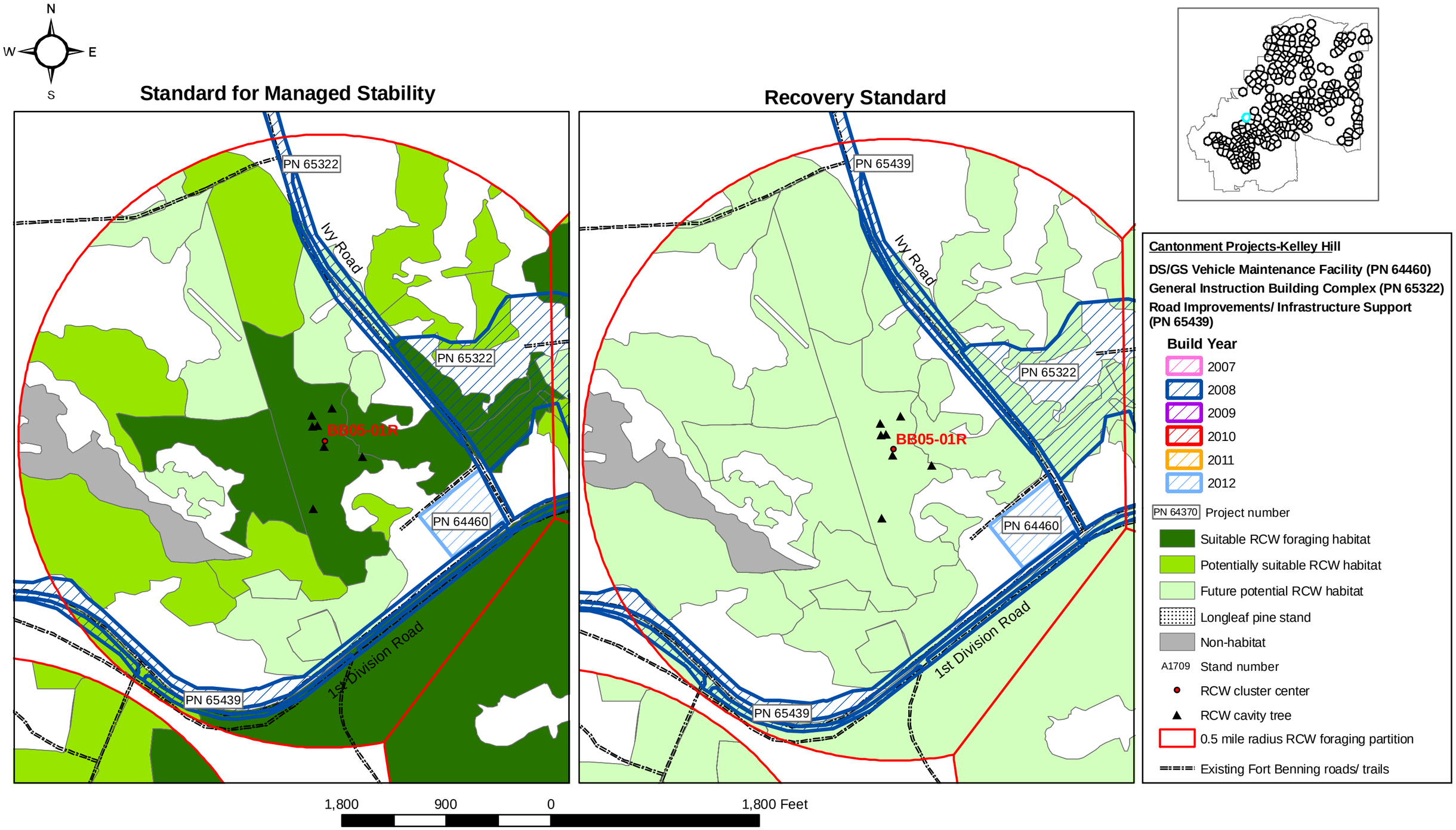

Figure E-14. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **BB05-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

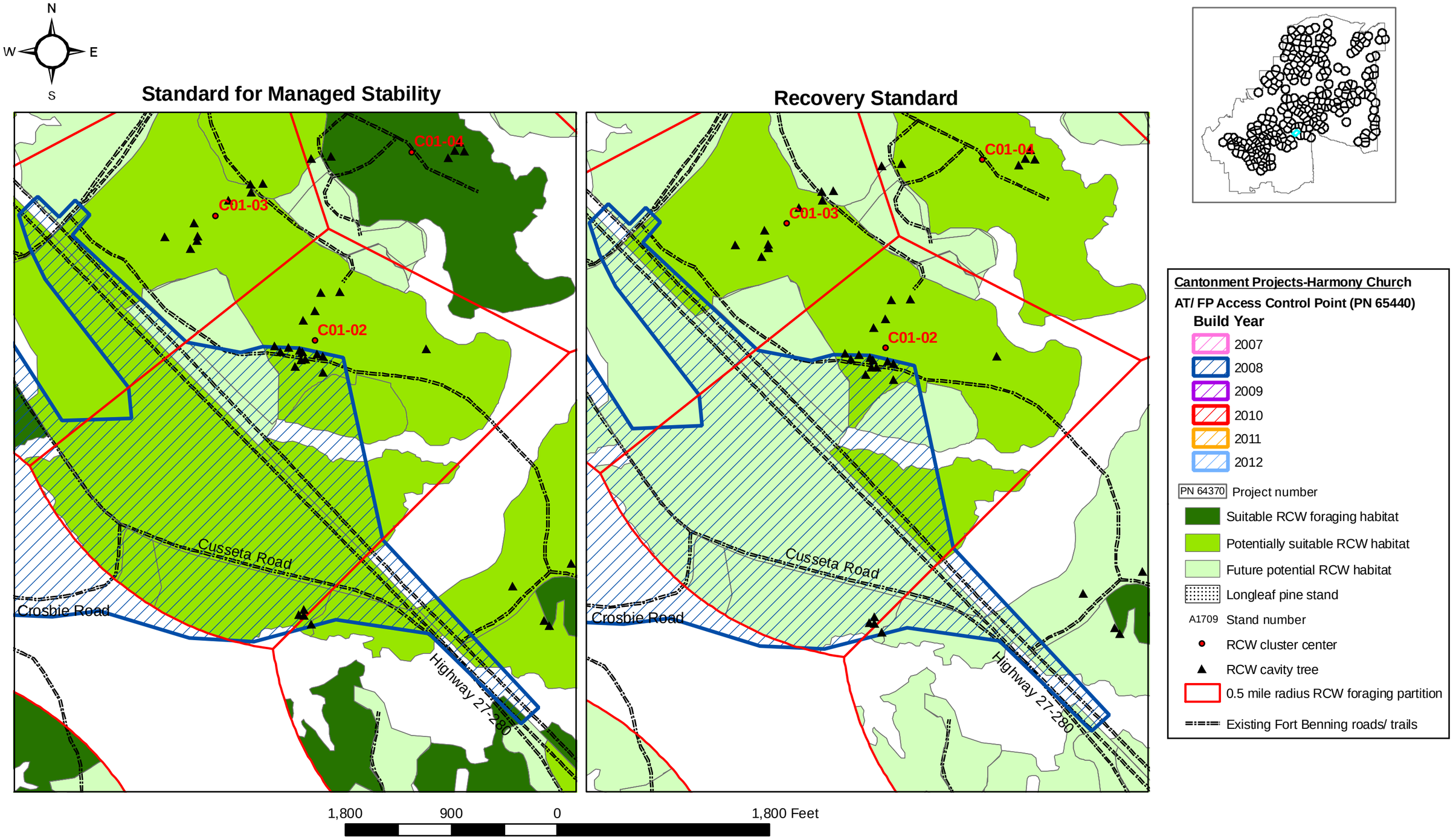

Figure e-15. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **C01-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

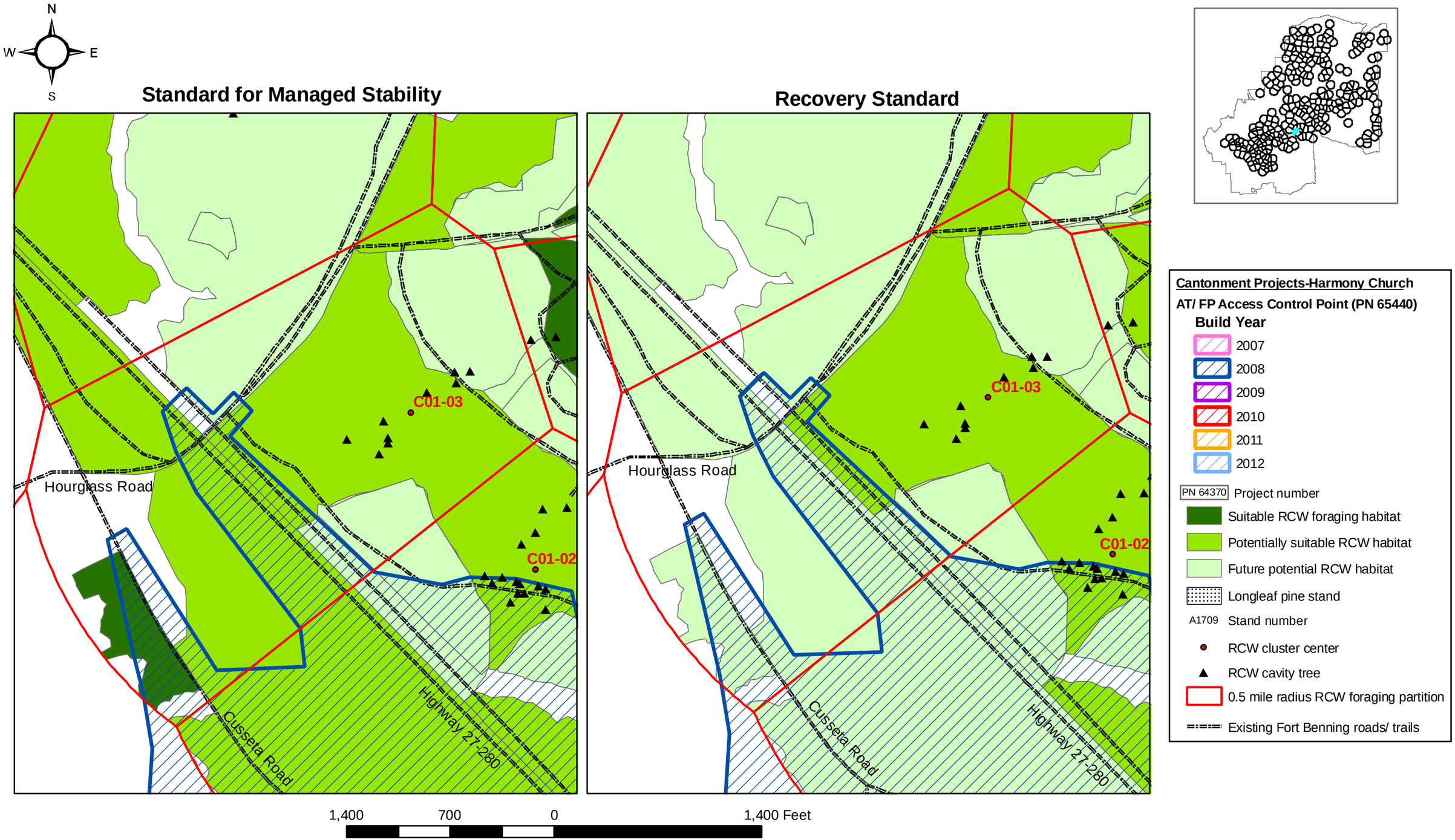

Figure E-16. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **C01-03** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

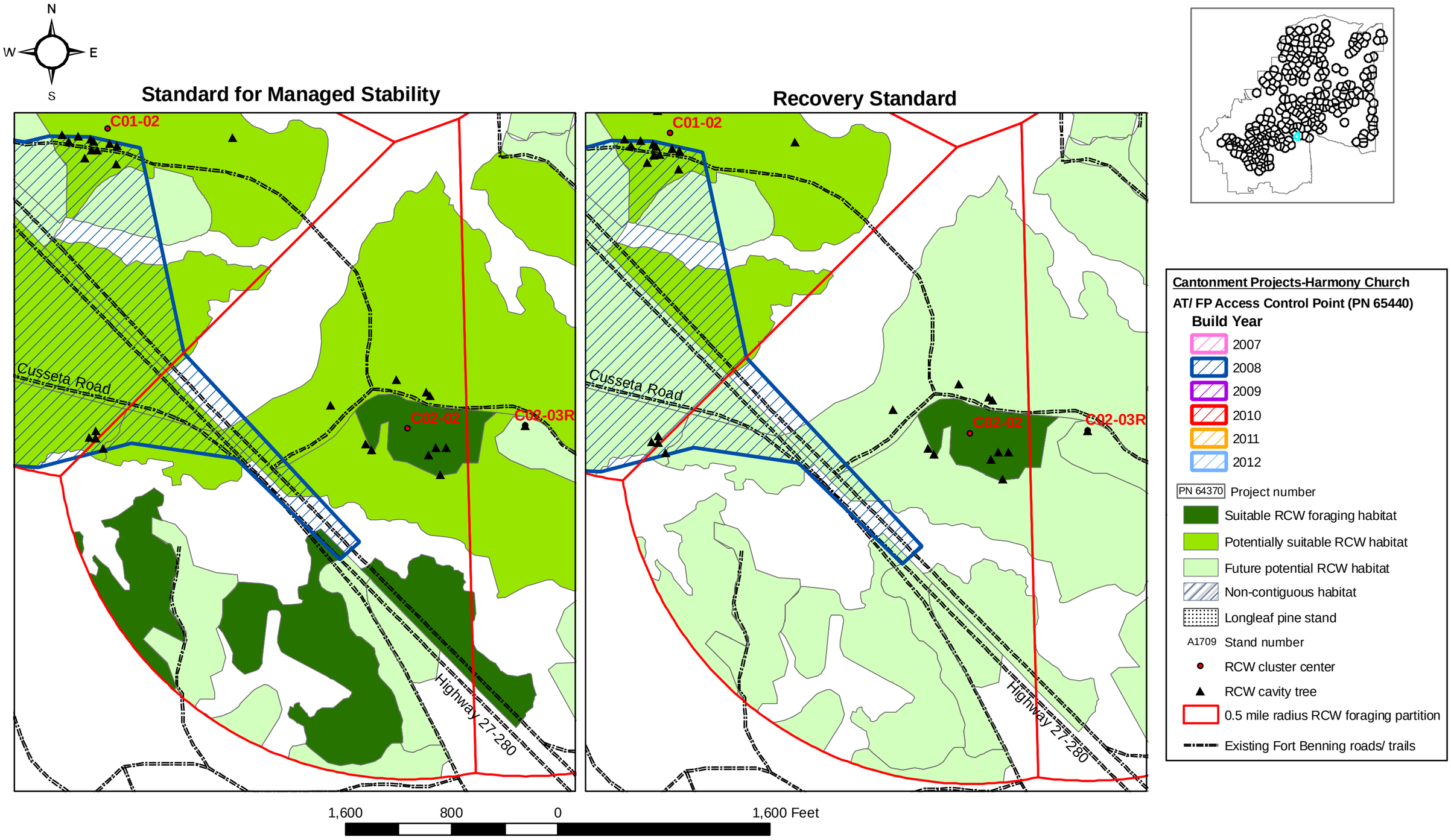

Figure E-17. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **C02-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

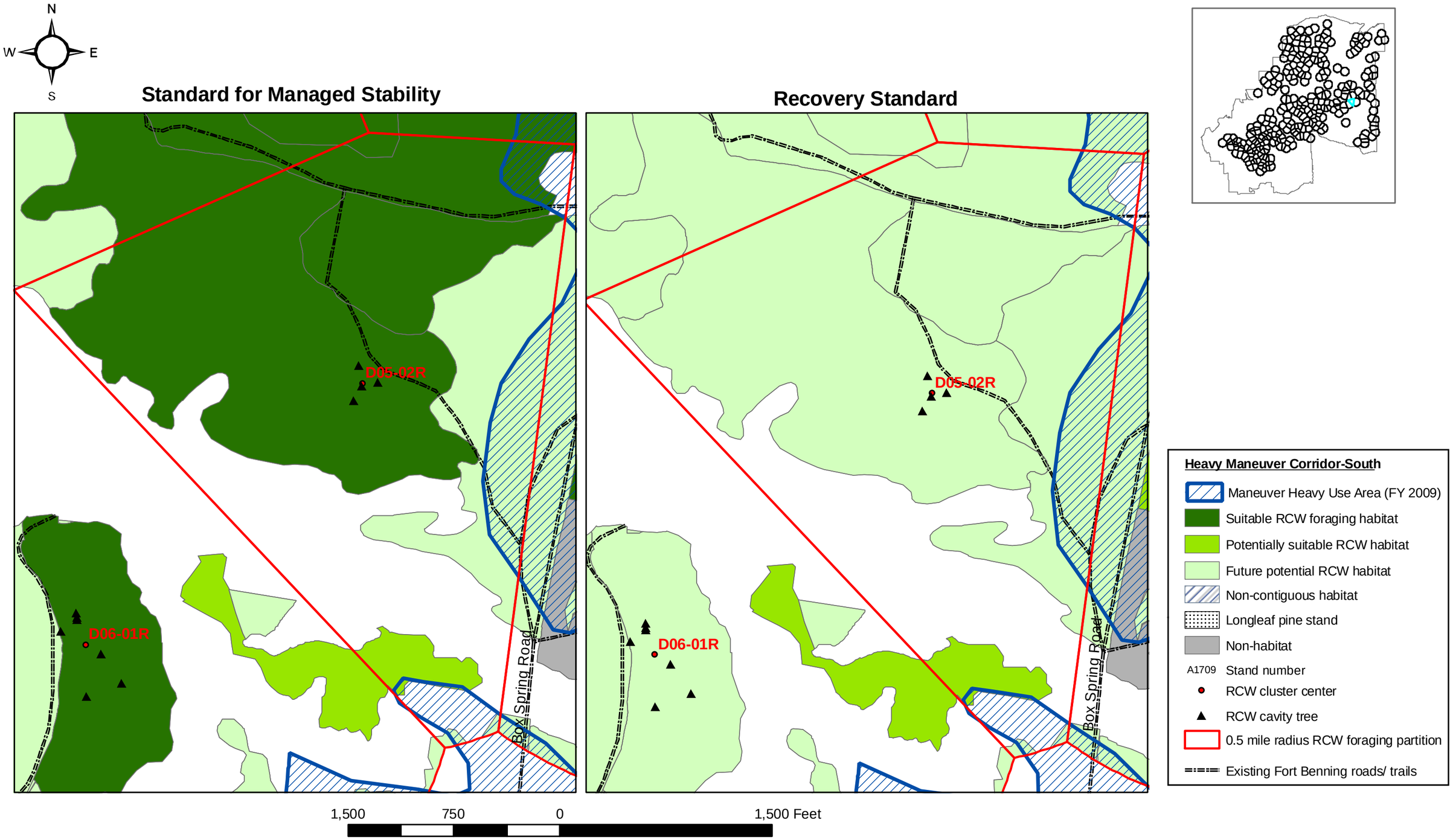

Figure E-18. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D05-02R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

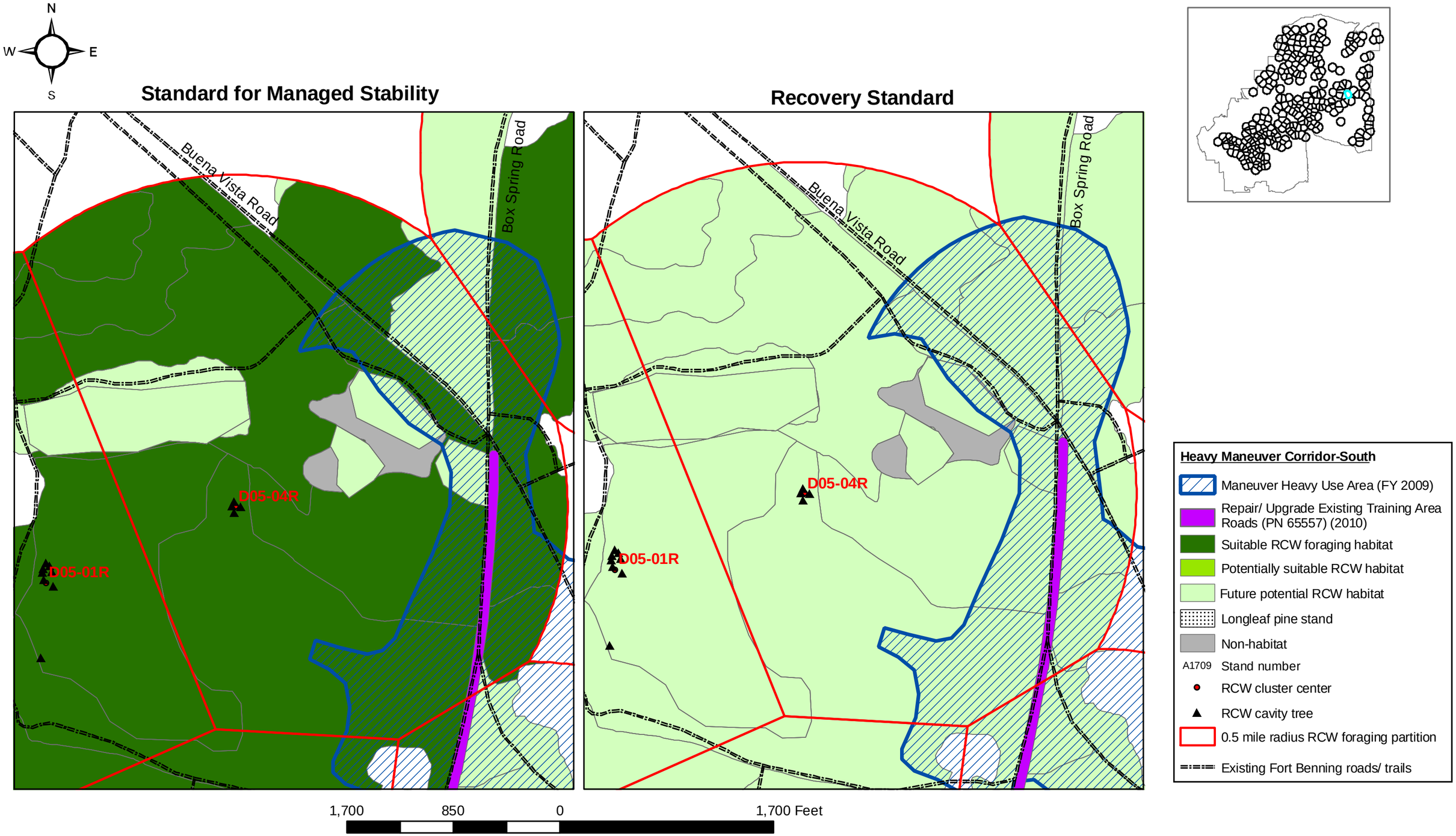

Figure E-19. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D05-04R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

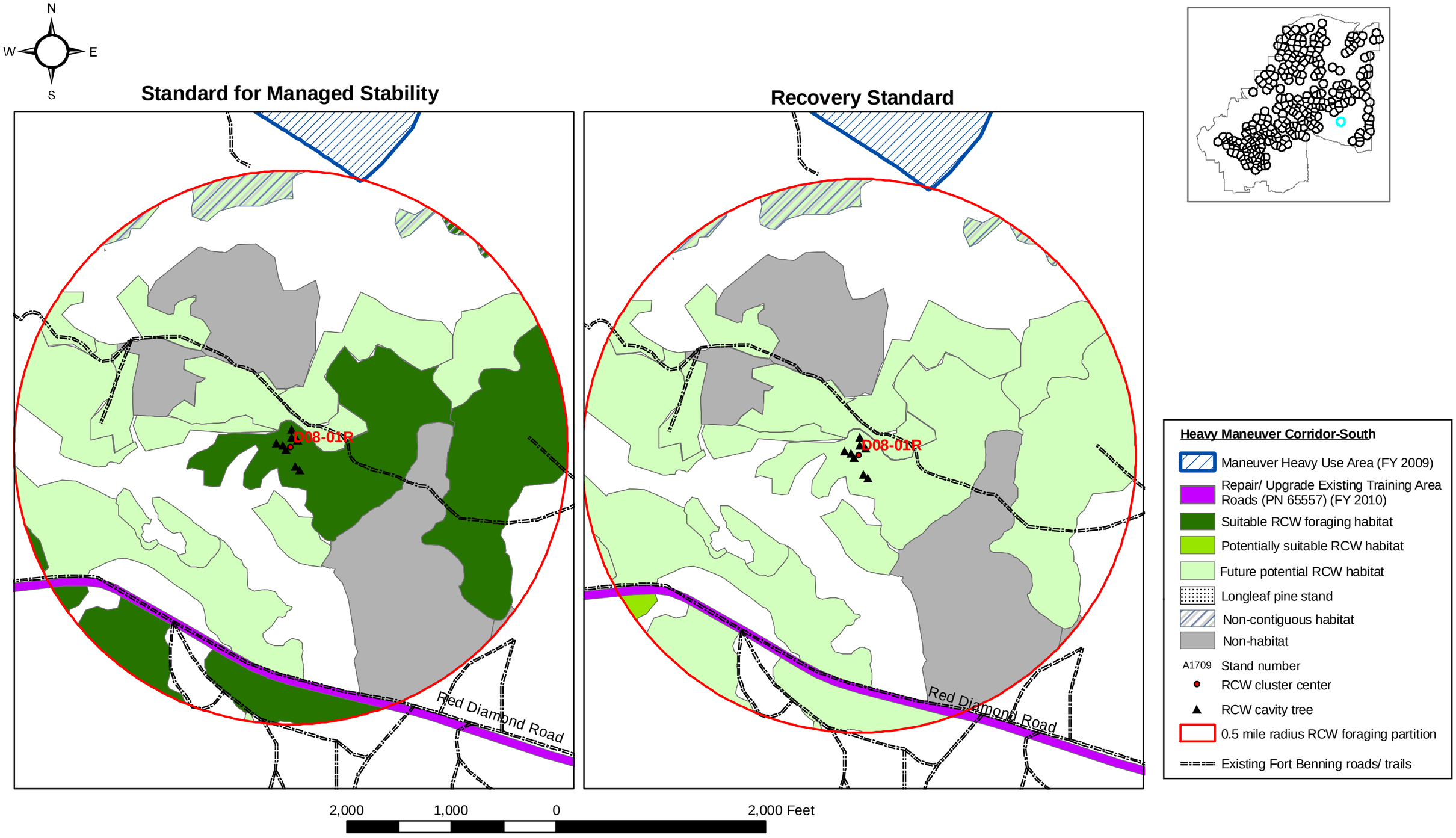

Figure E-20. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D08-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

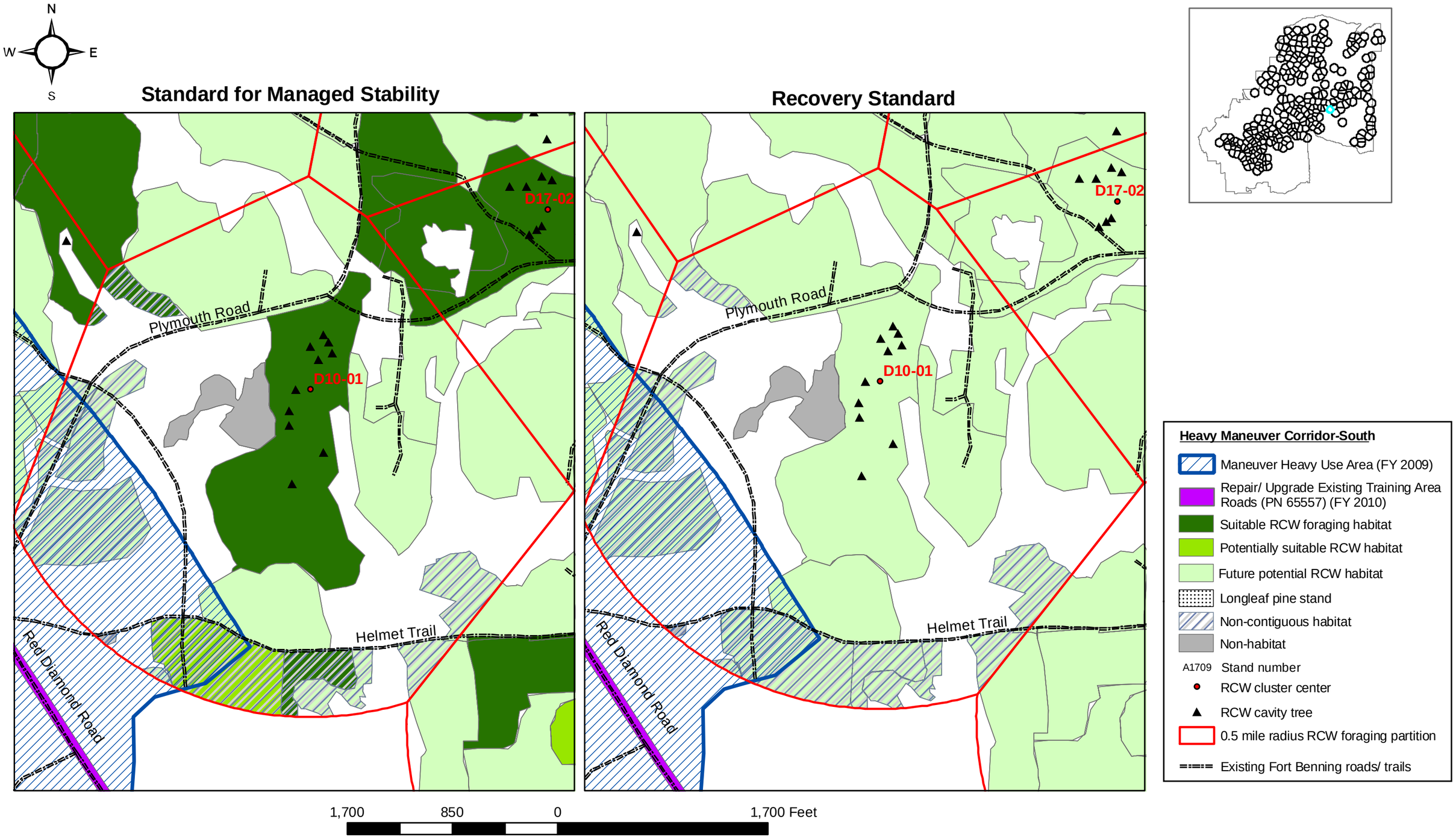

Figure E-21. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D10-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

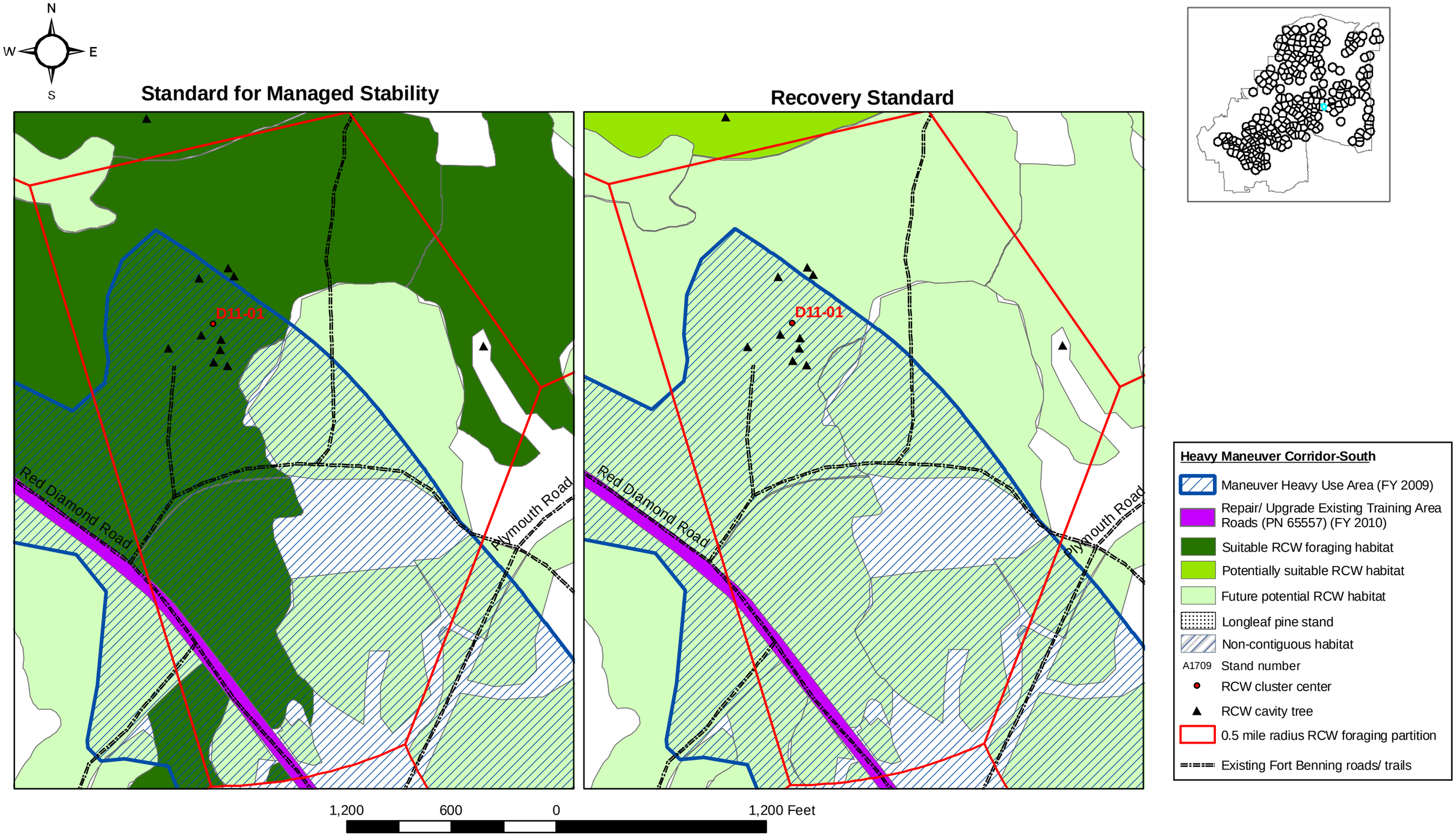

Figure E-22. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D11-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

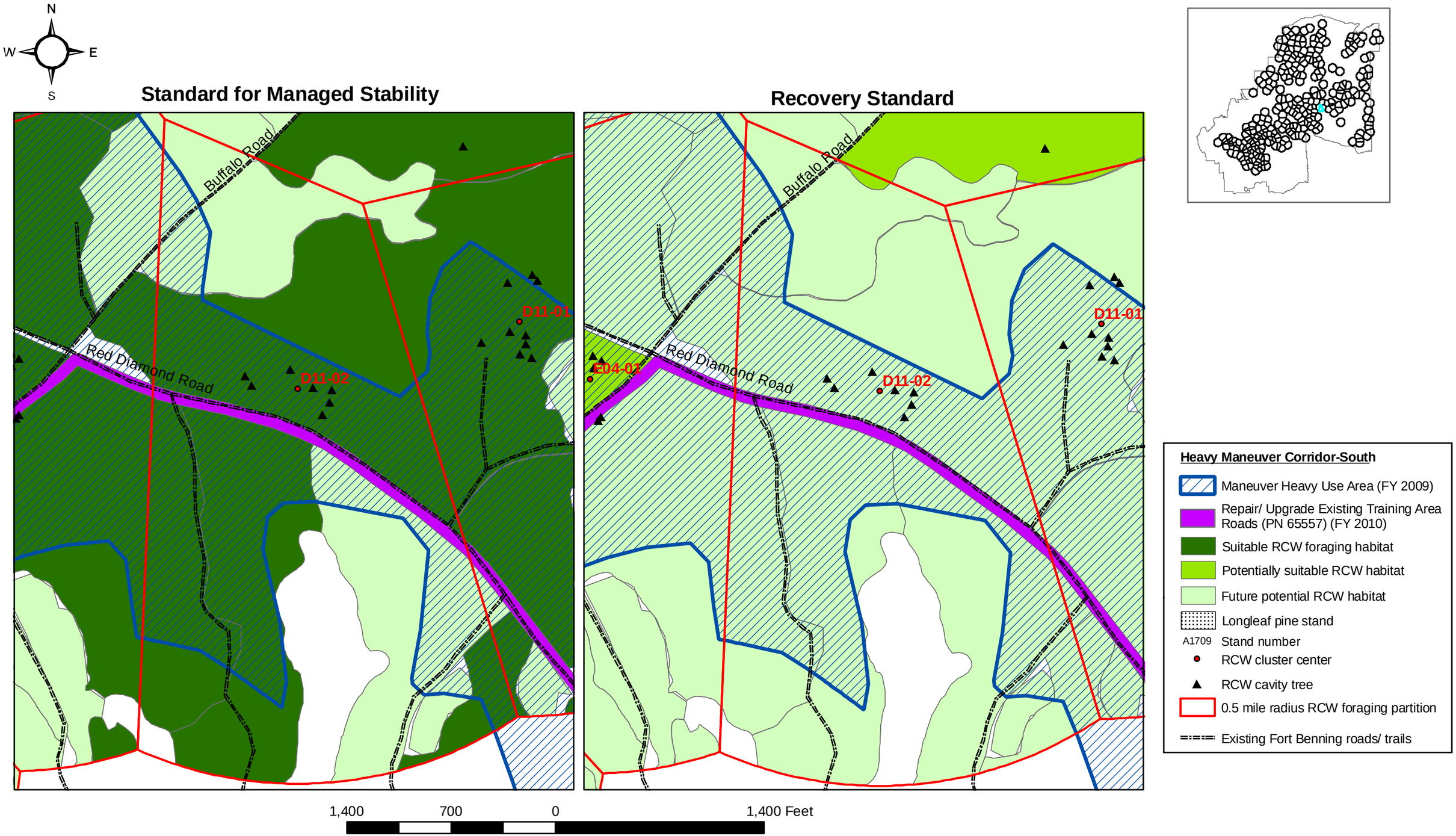

Figure E-23. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D11-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

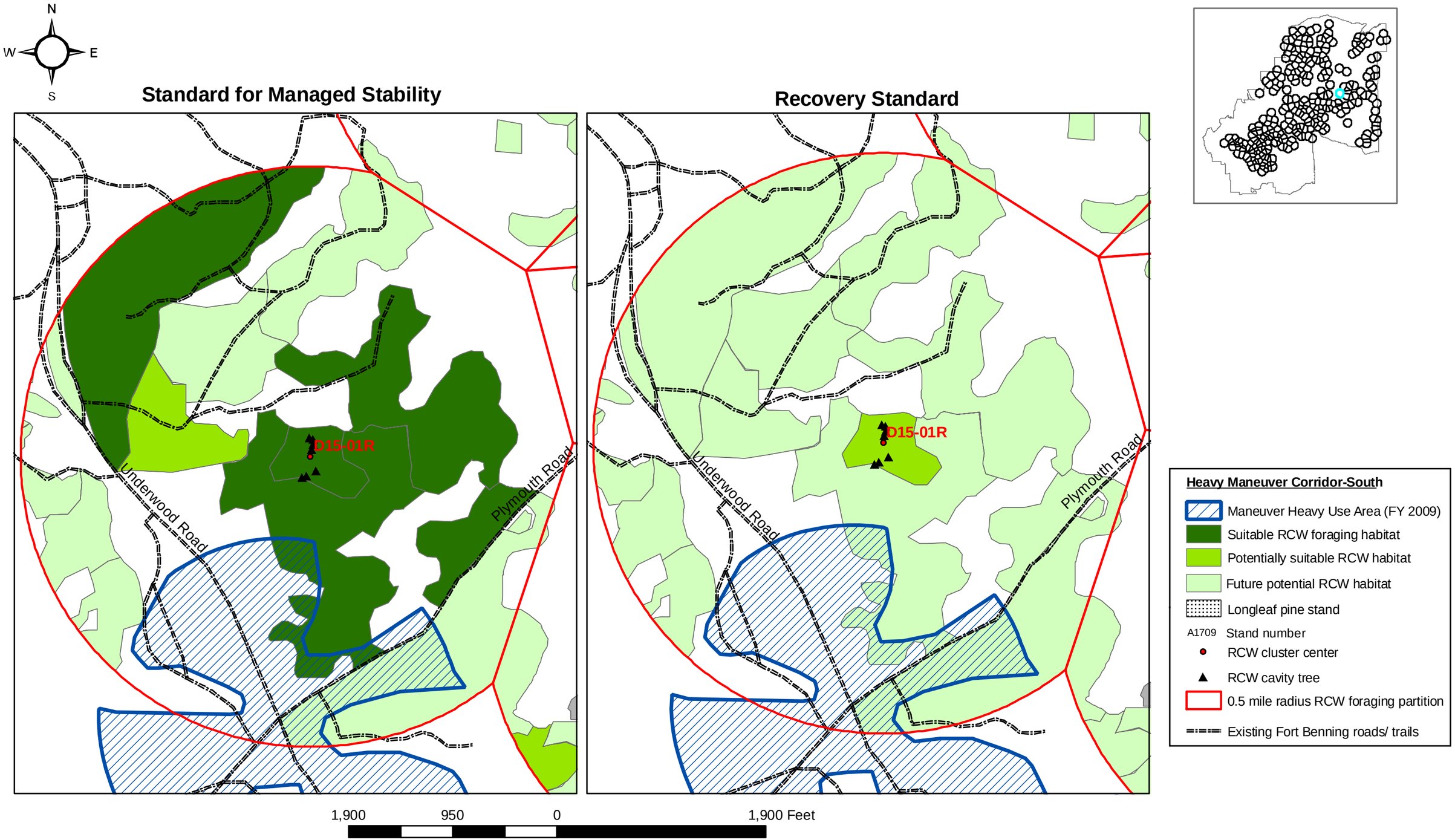

Figure E-24. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D15-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

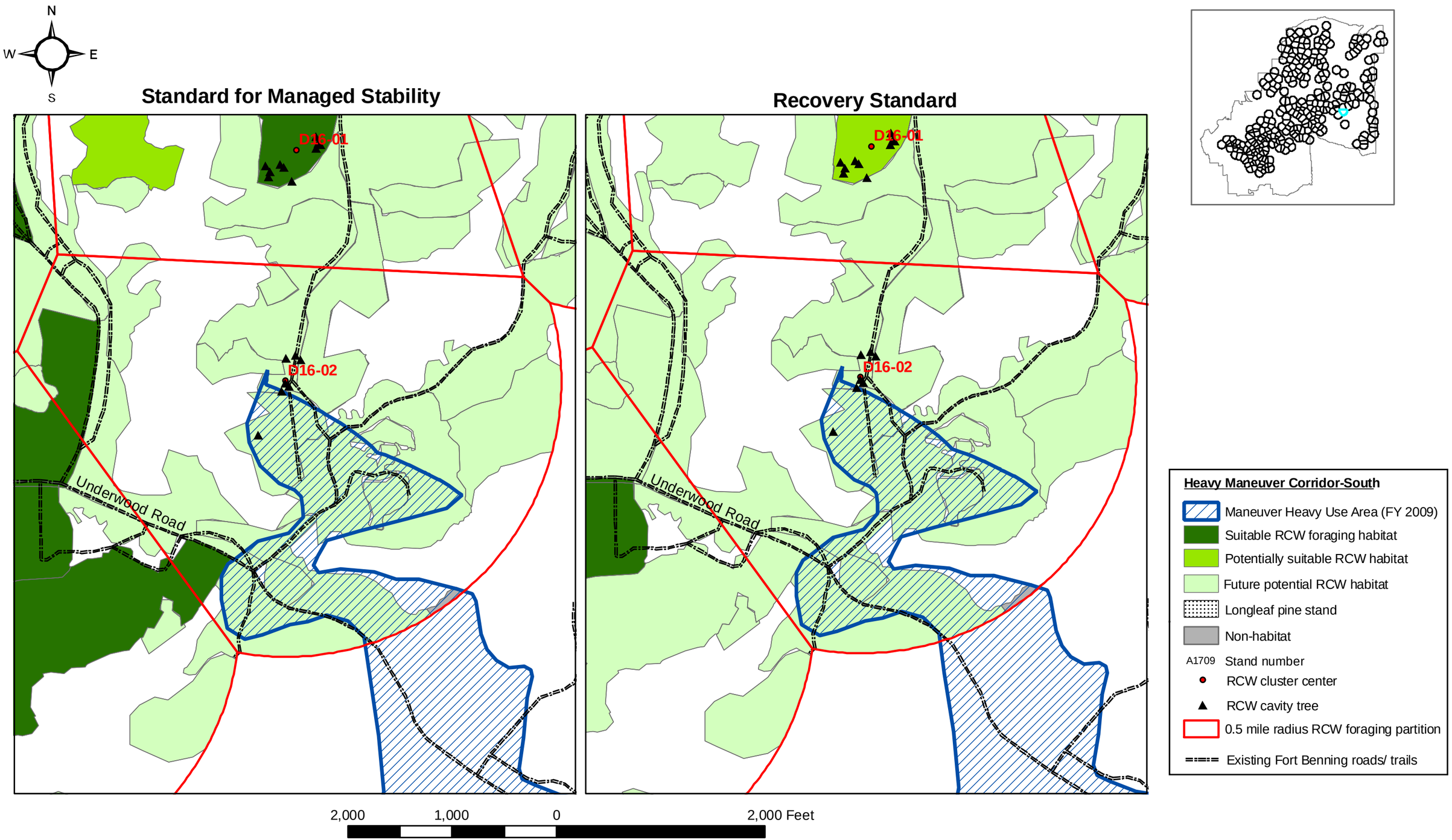

Figure E-25. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D16-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

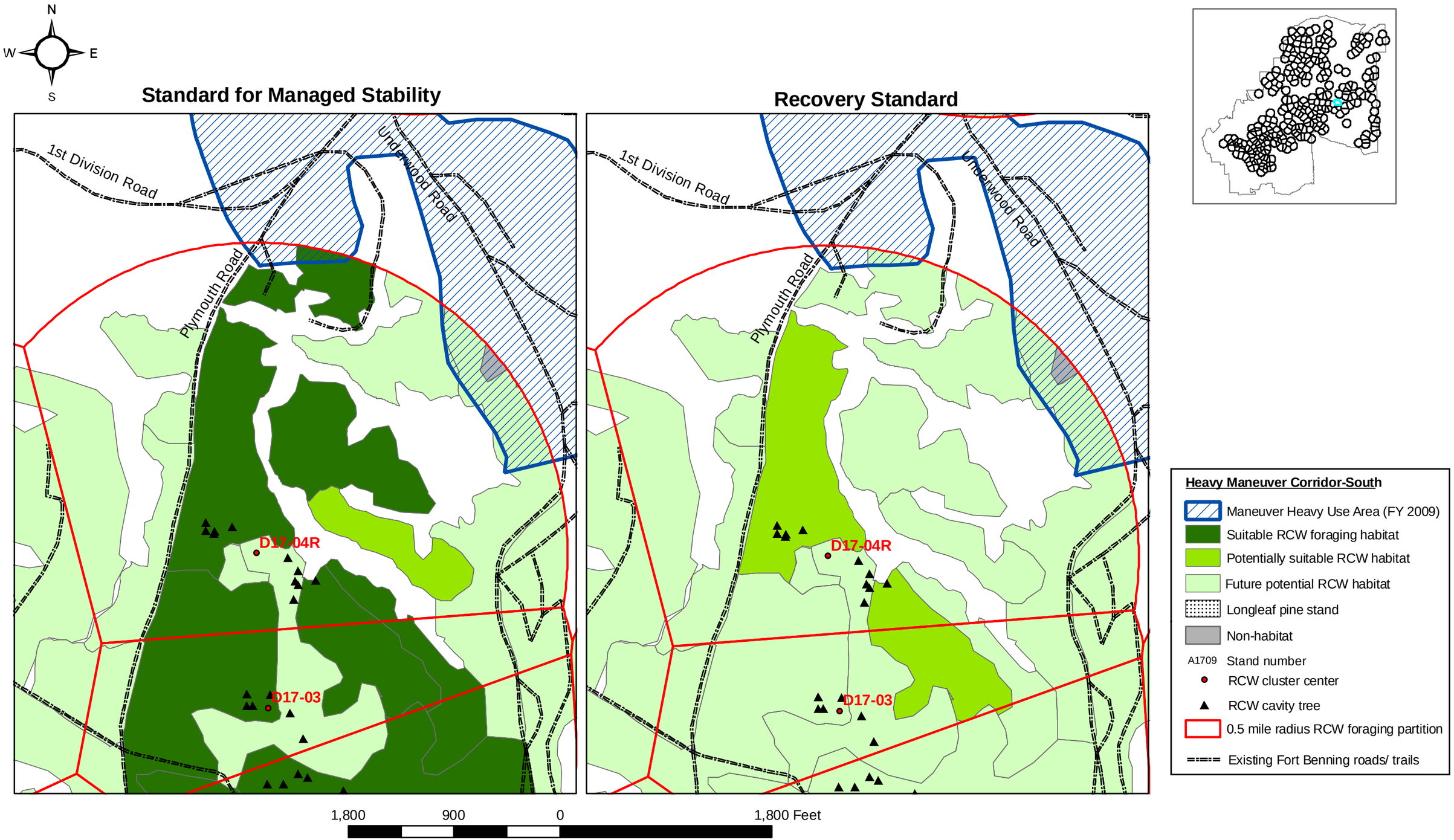

Figure E-26. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D17-04R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

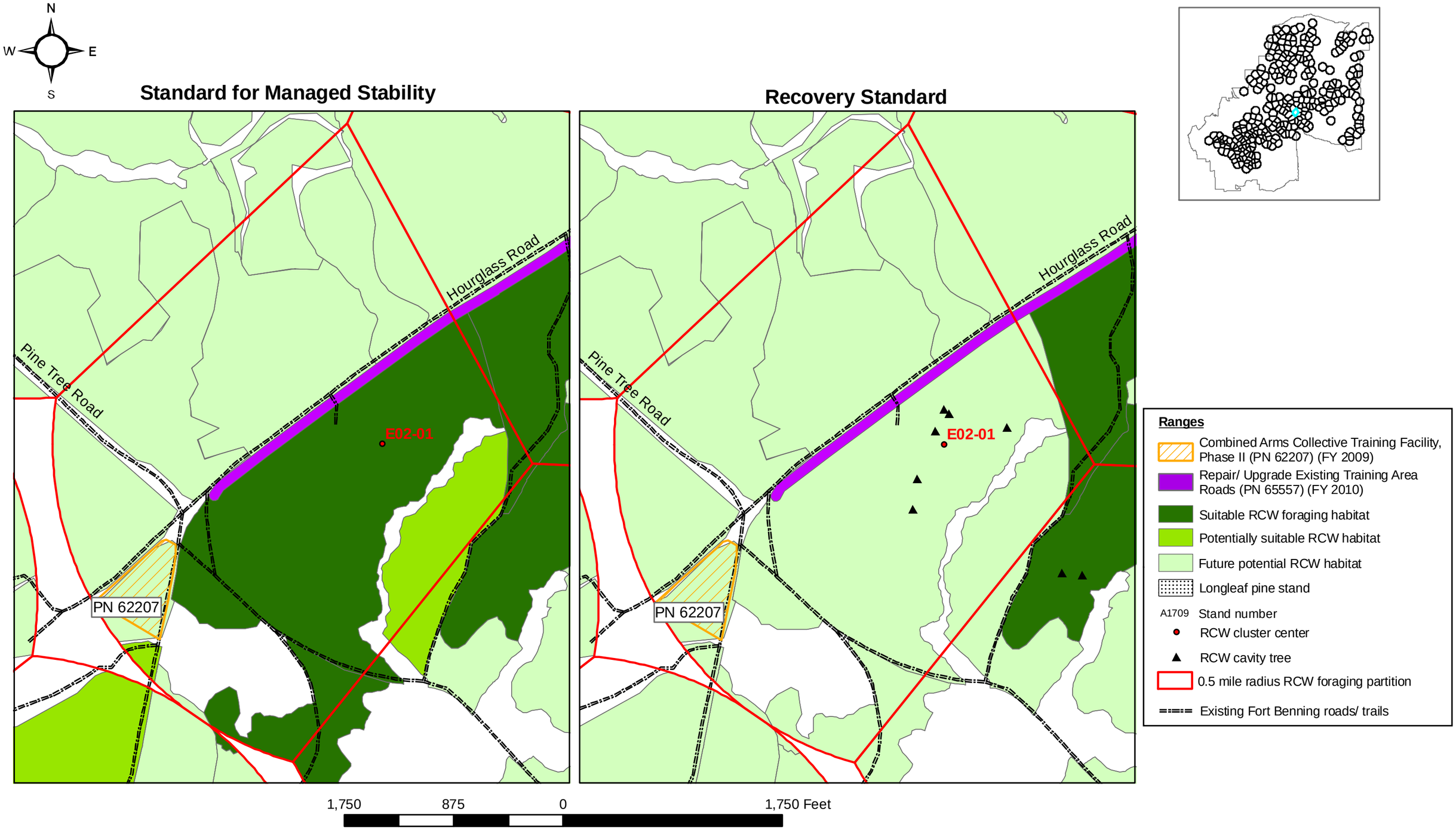

Figure E-27. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **E02-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

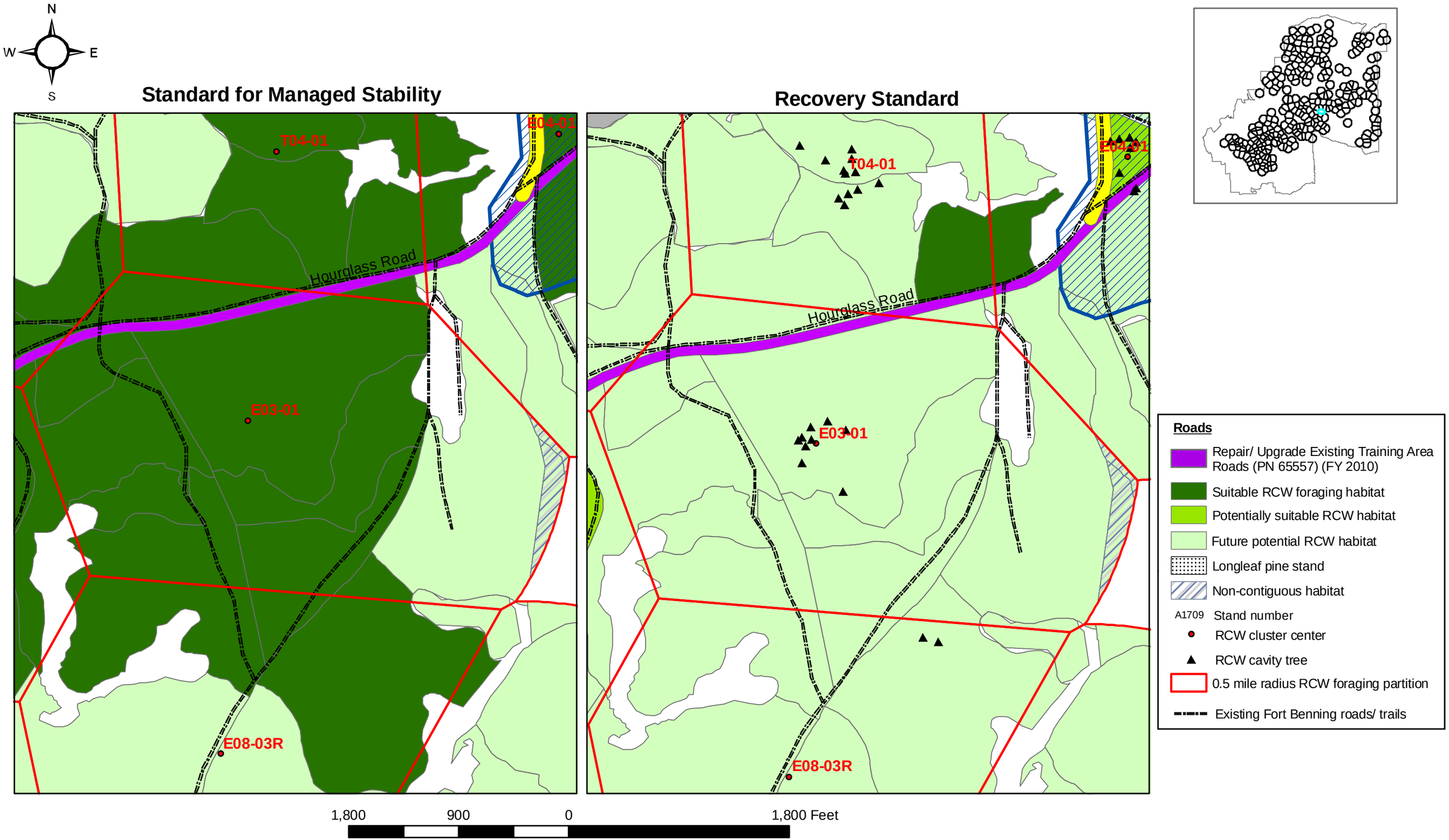

Figure E-28. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **E03-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

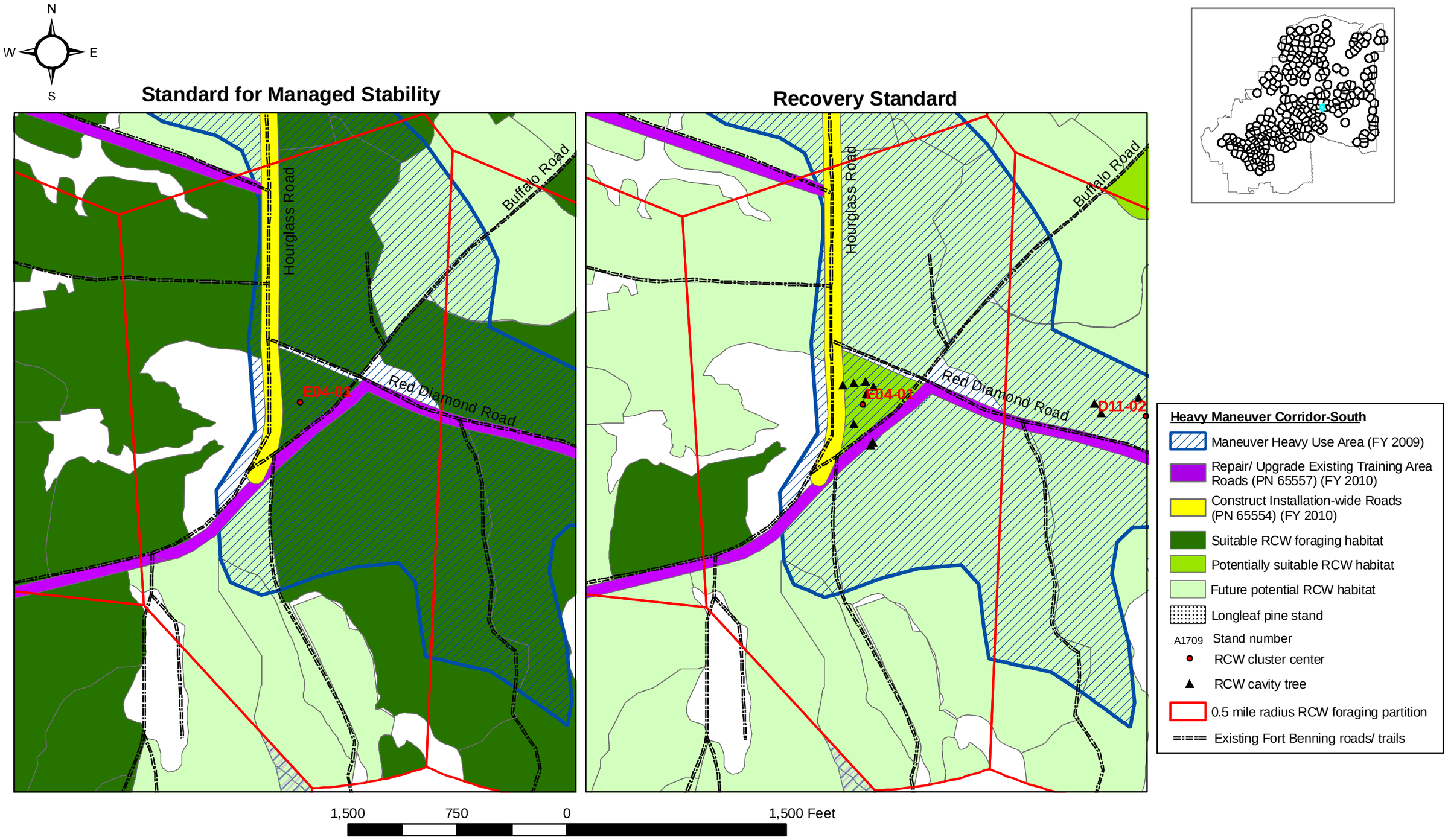

Figure E-29. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **E04-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

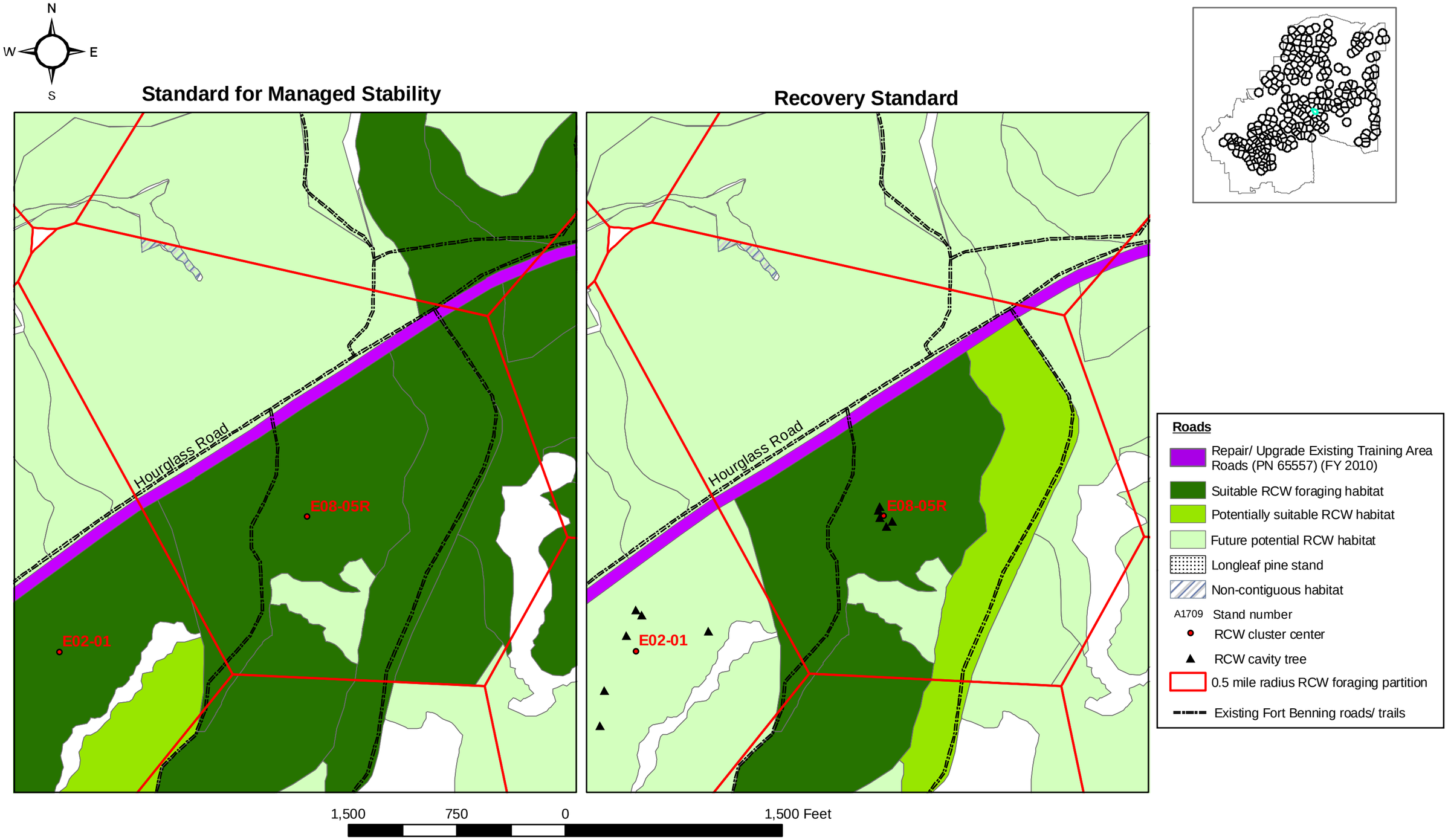

Figure E-30. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **E08-05R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

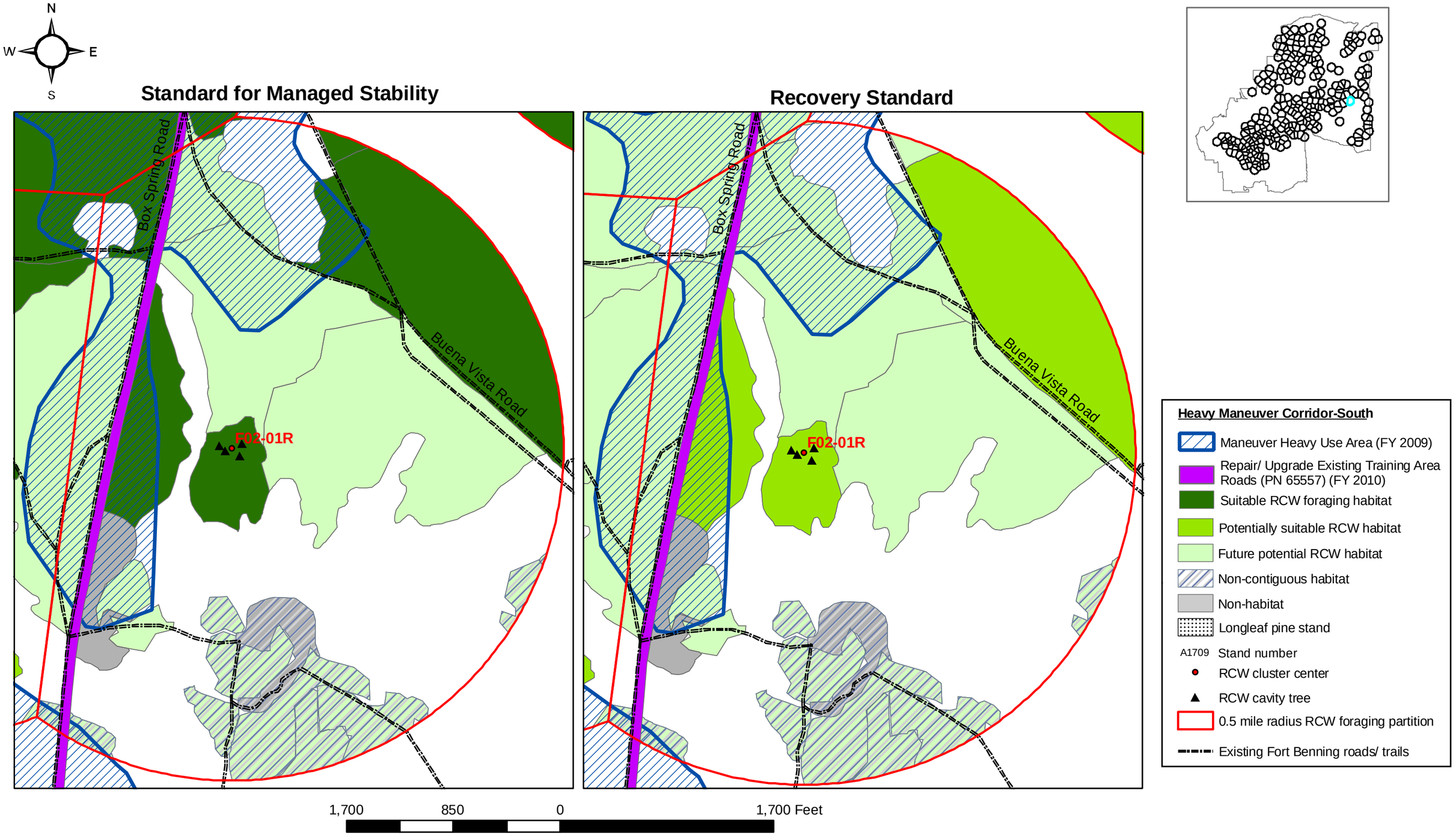

Figure E-31. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **F02-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

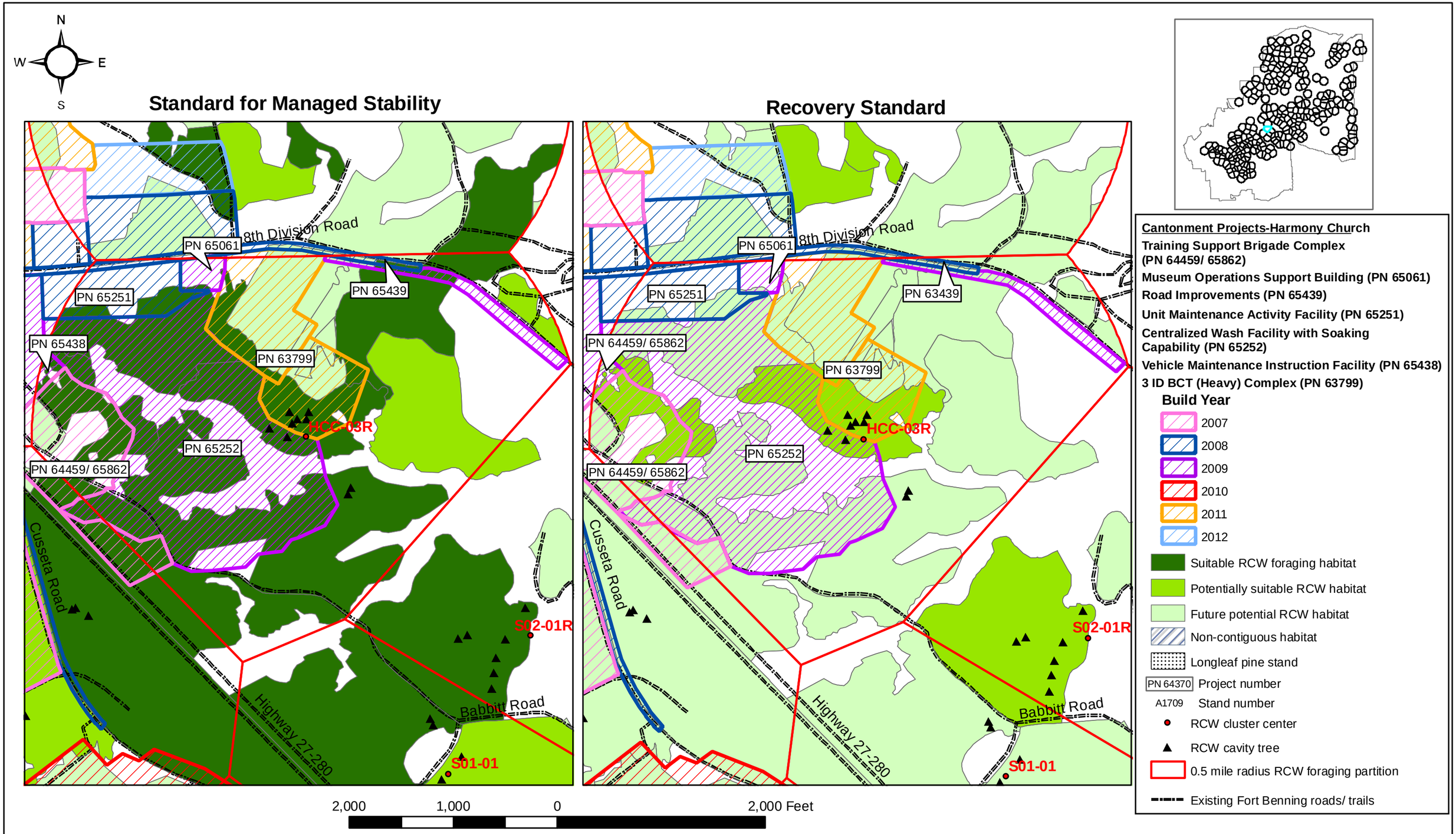

Figure E-32. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **HCC-03R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

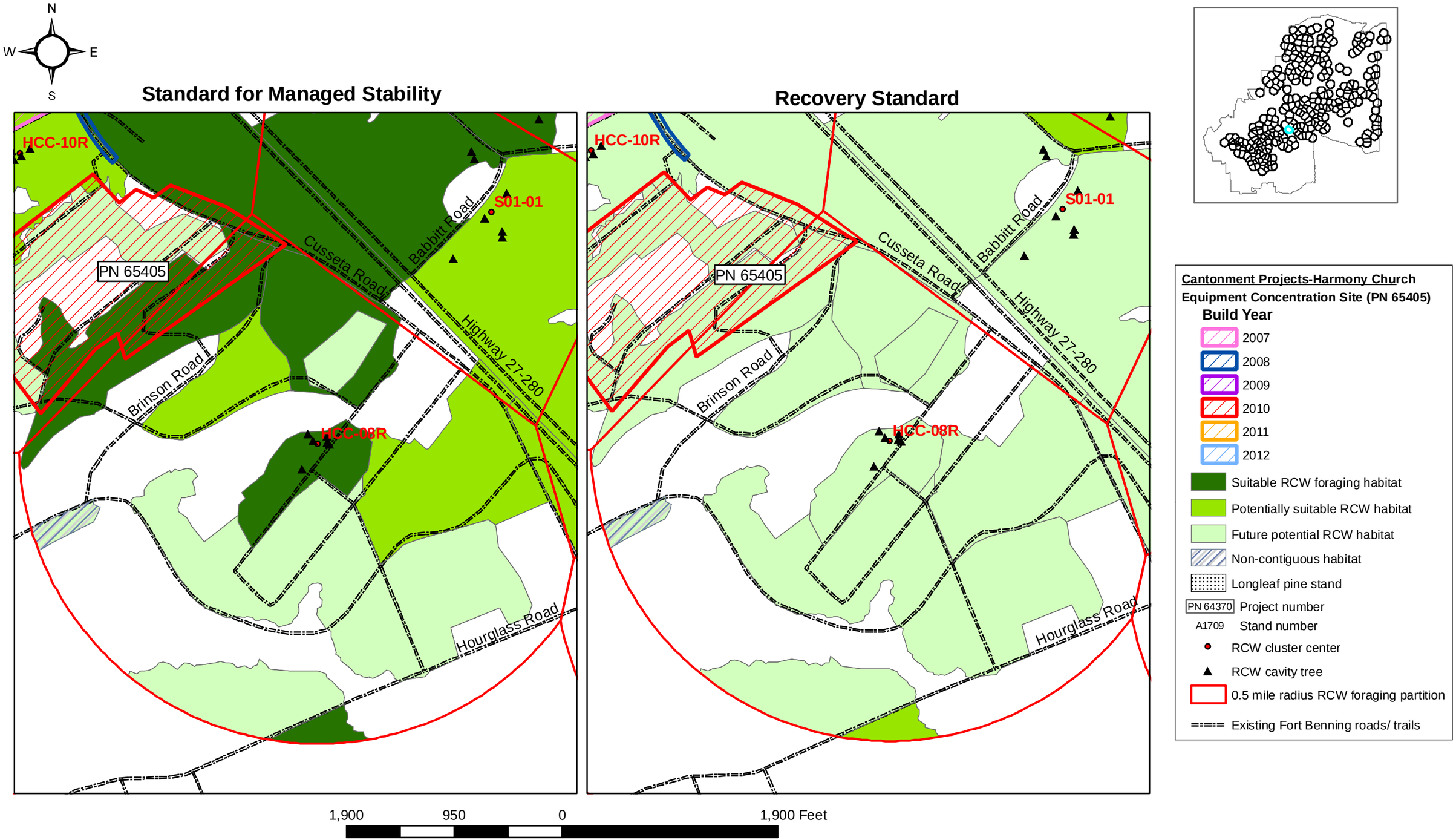

Figure E-33. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **HCC-08R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

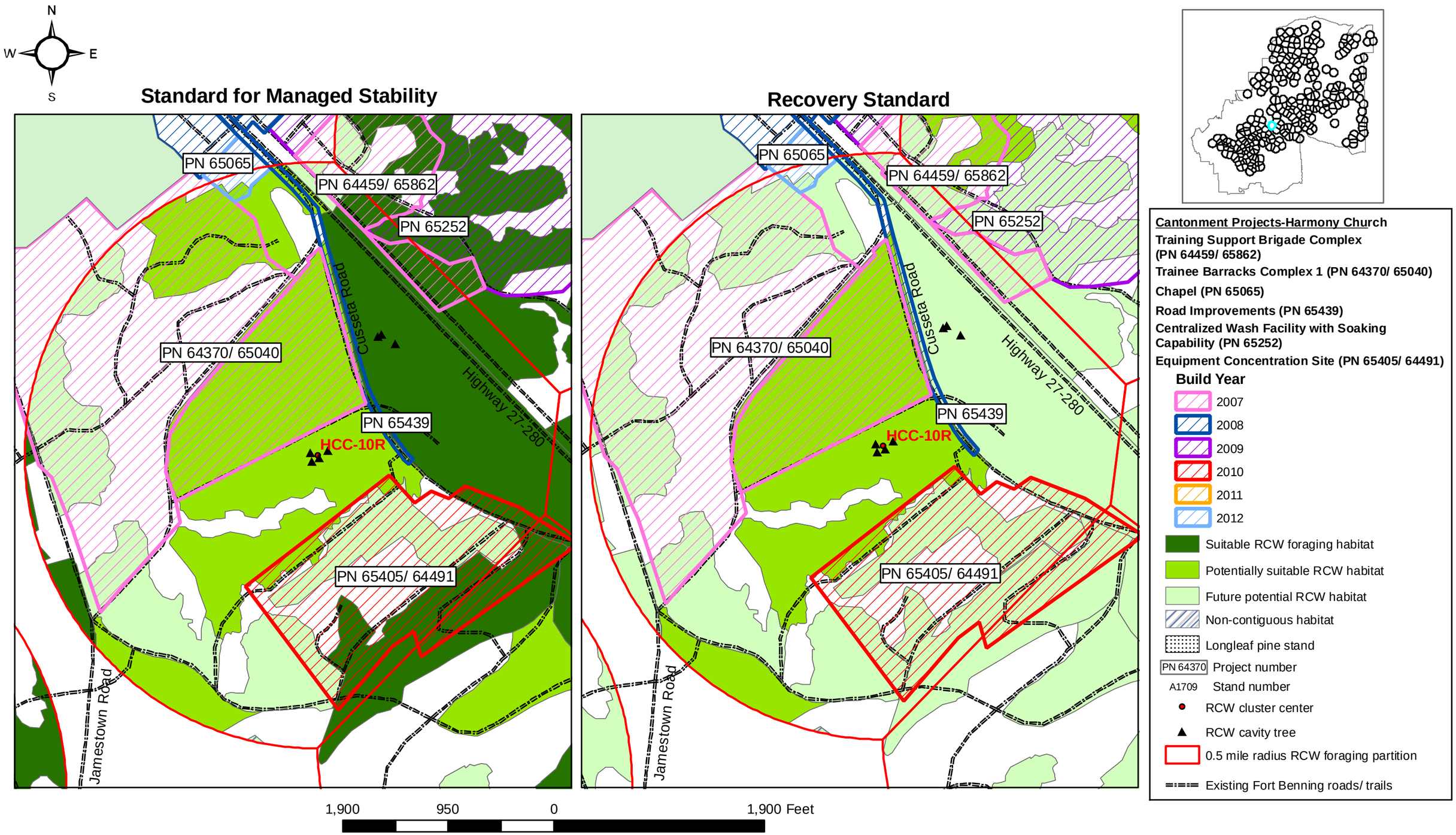

Figure E-34. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **HCC-10R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

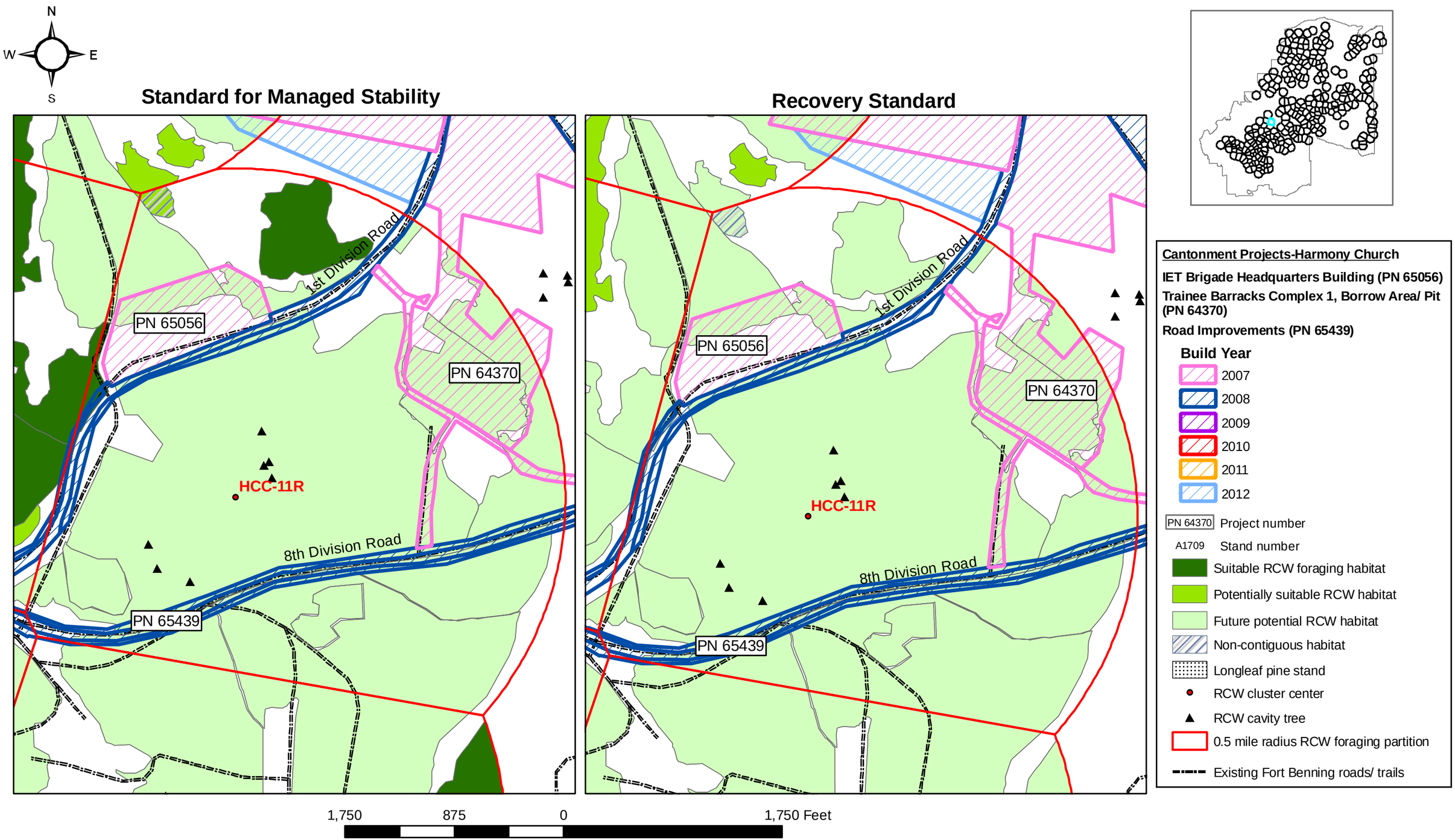

Figure E-35. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **HCC-11R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

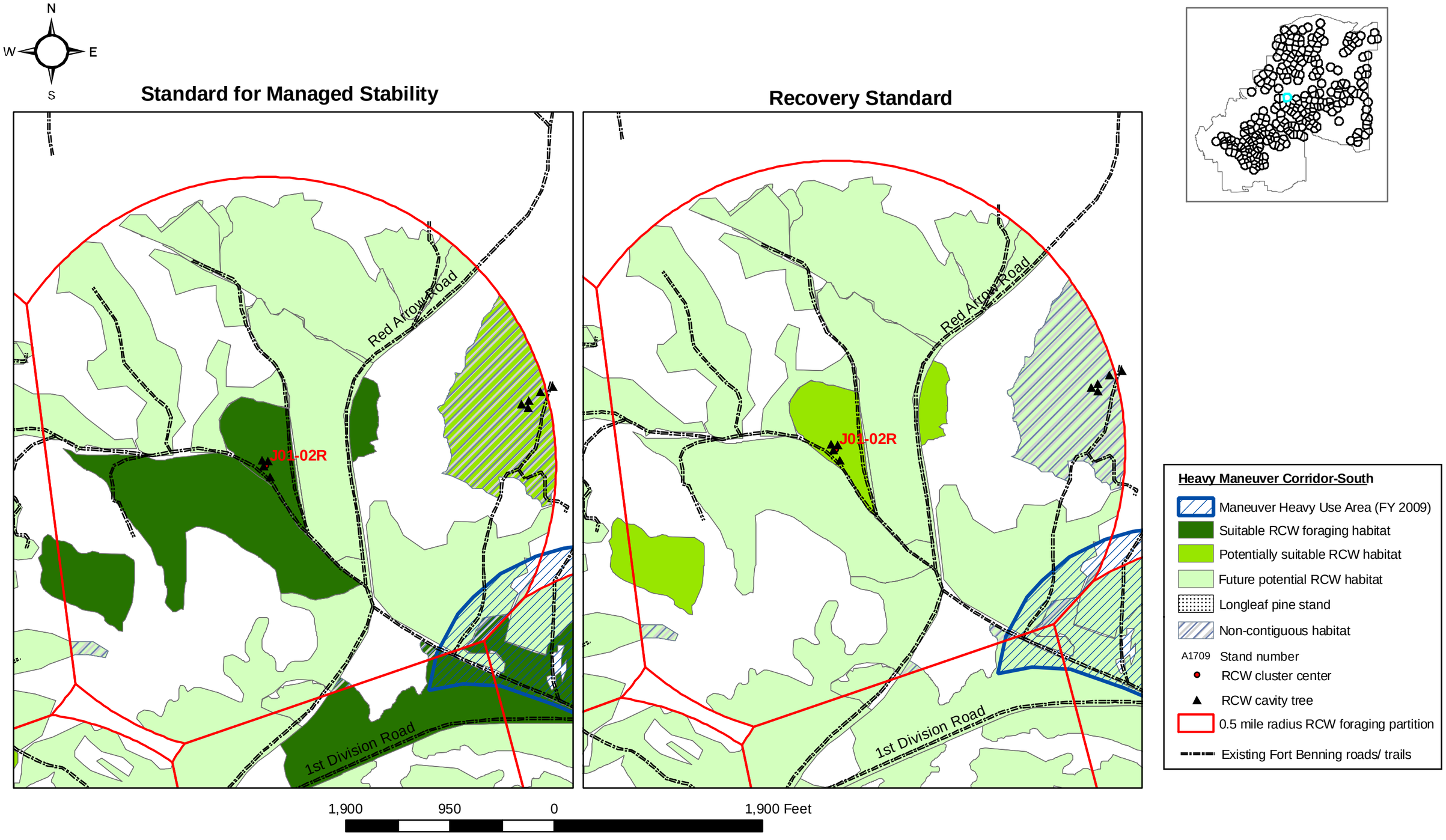

Figure E-36. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **J01-02R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

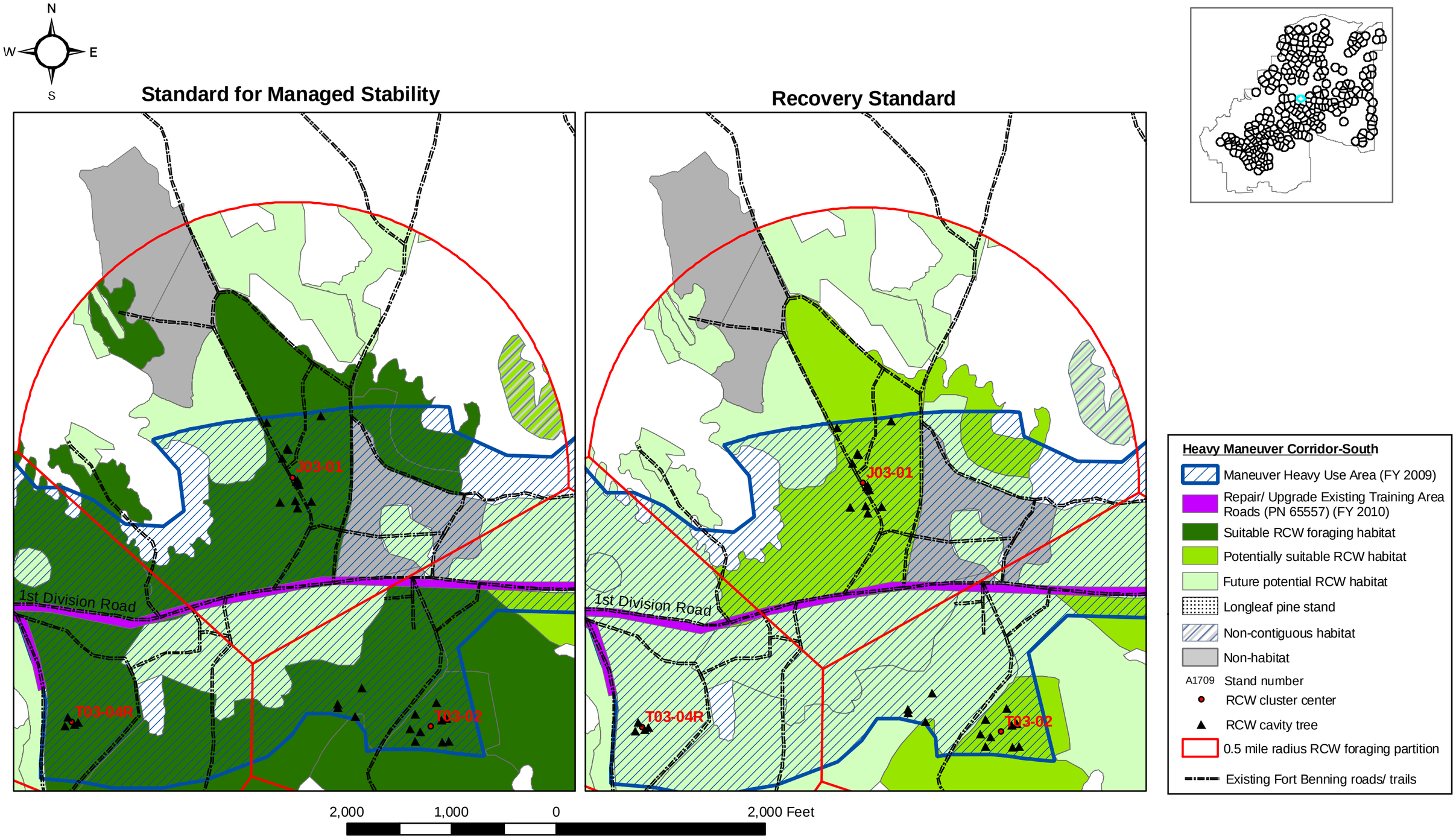

Figure E-37. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **J03-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

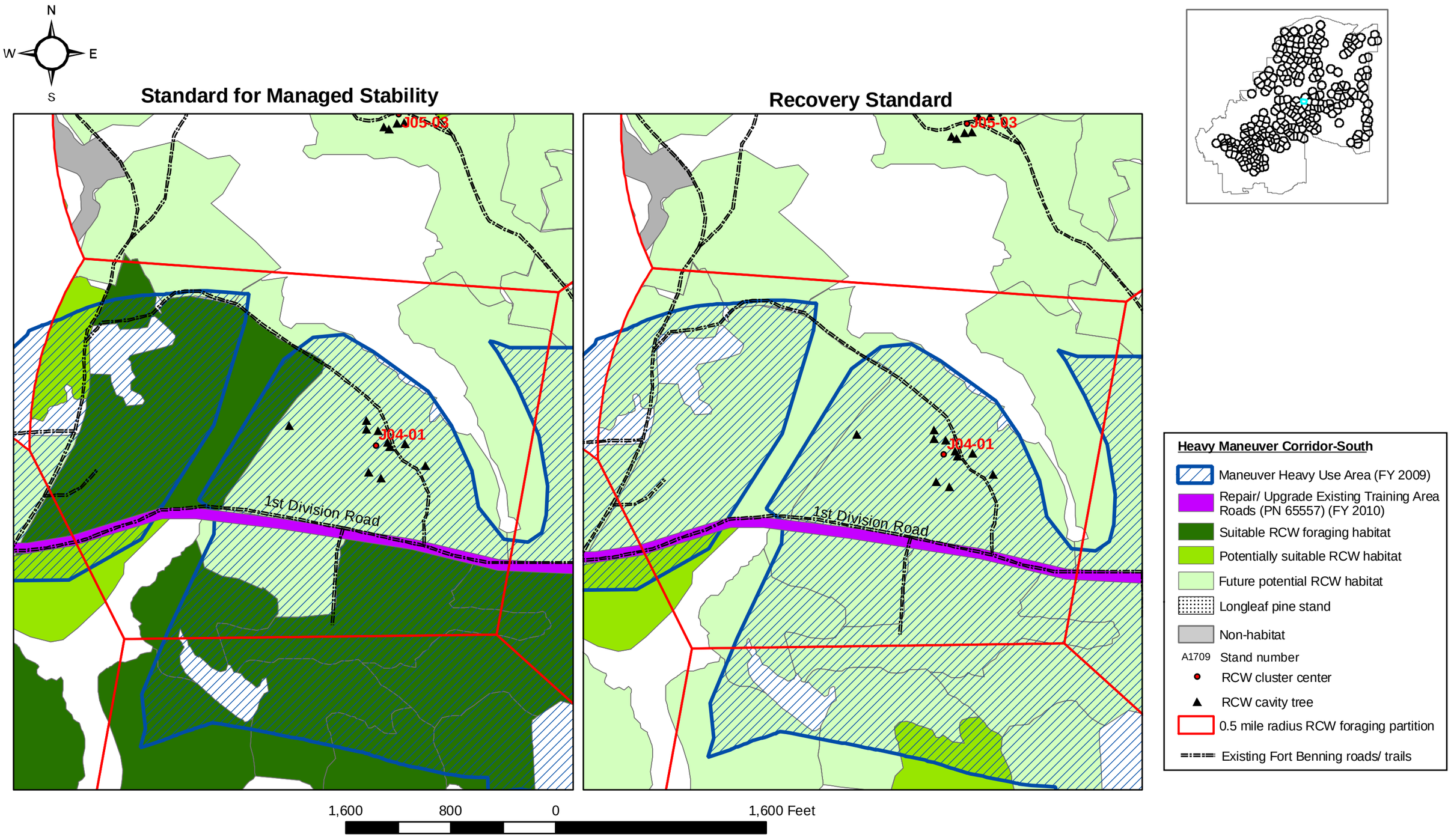

Figure E-38. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **J04-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

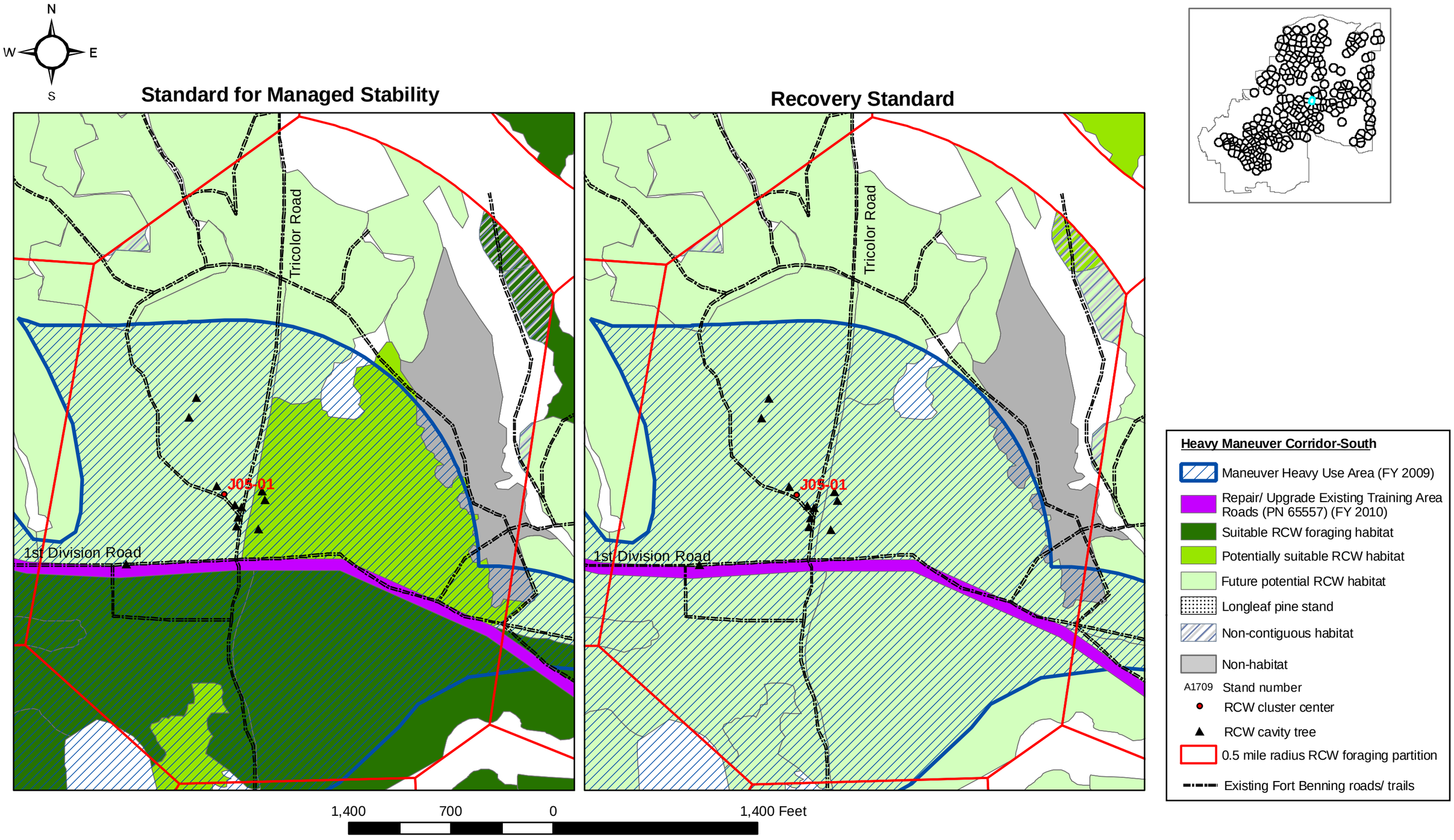

Figure E-39. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **J05-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

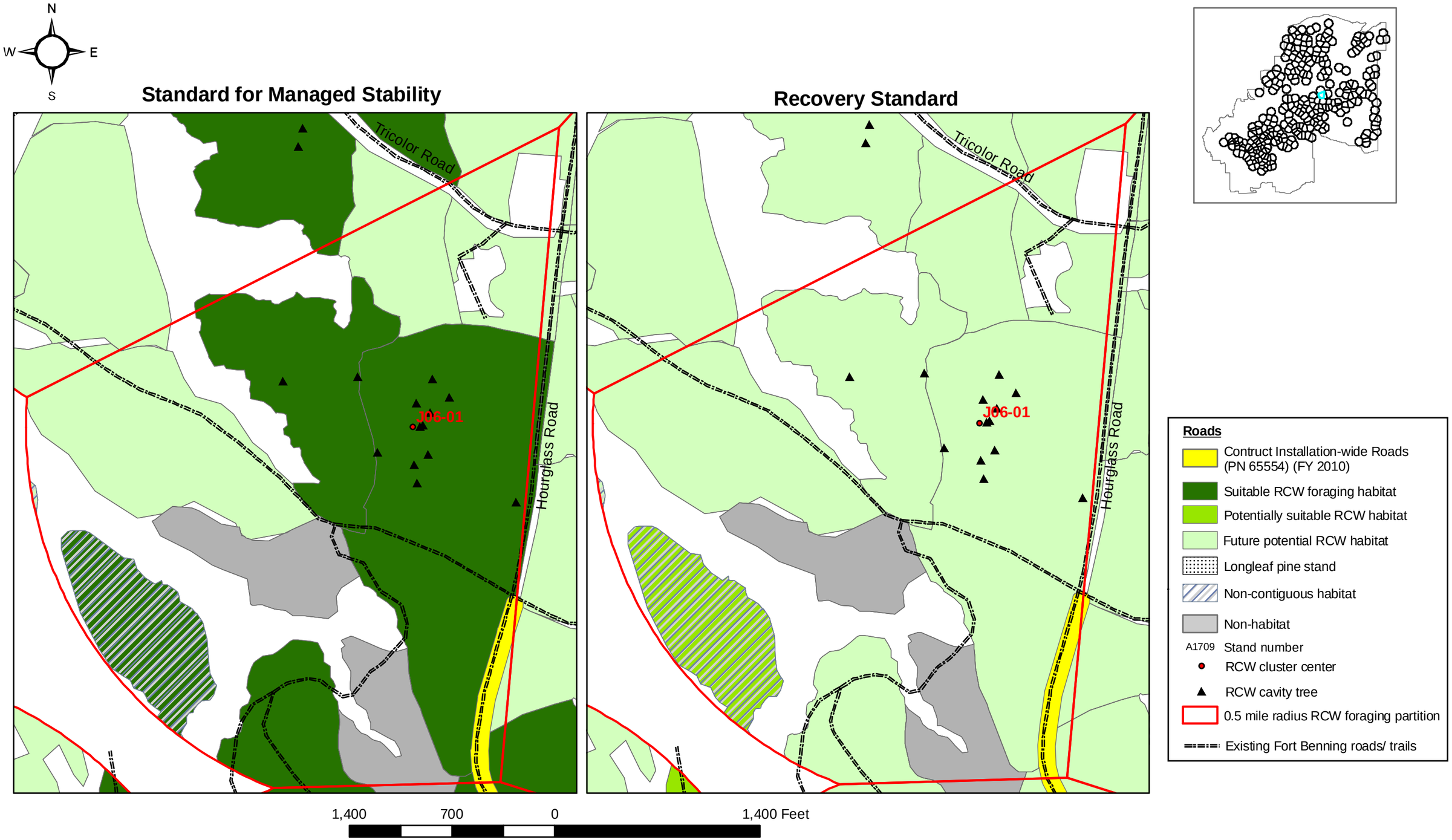

Figure E-40. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **J06-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

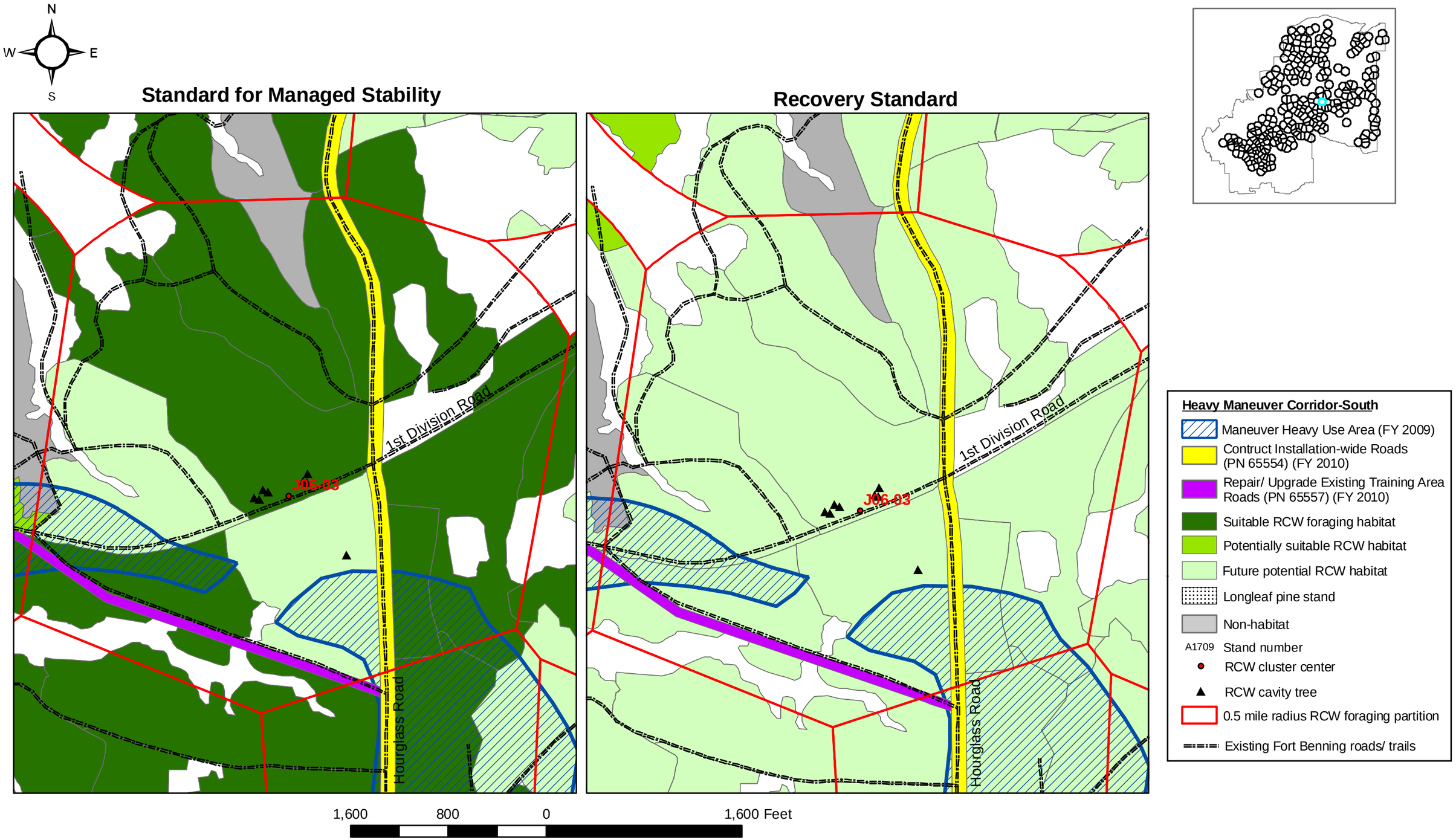

Figure E-41. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **J06-03** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

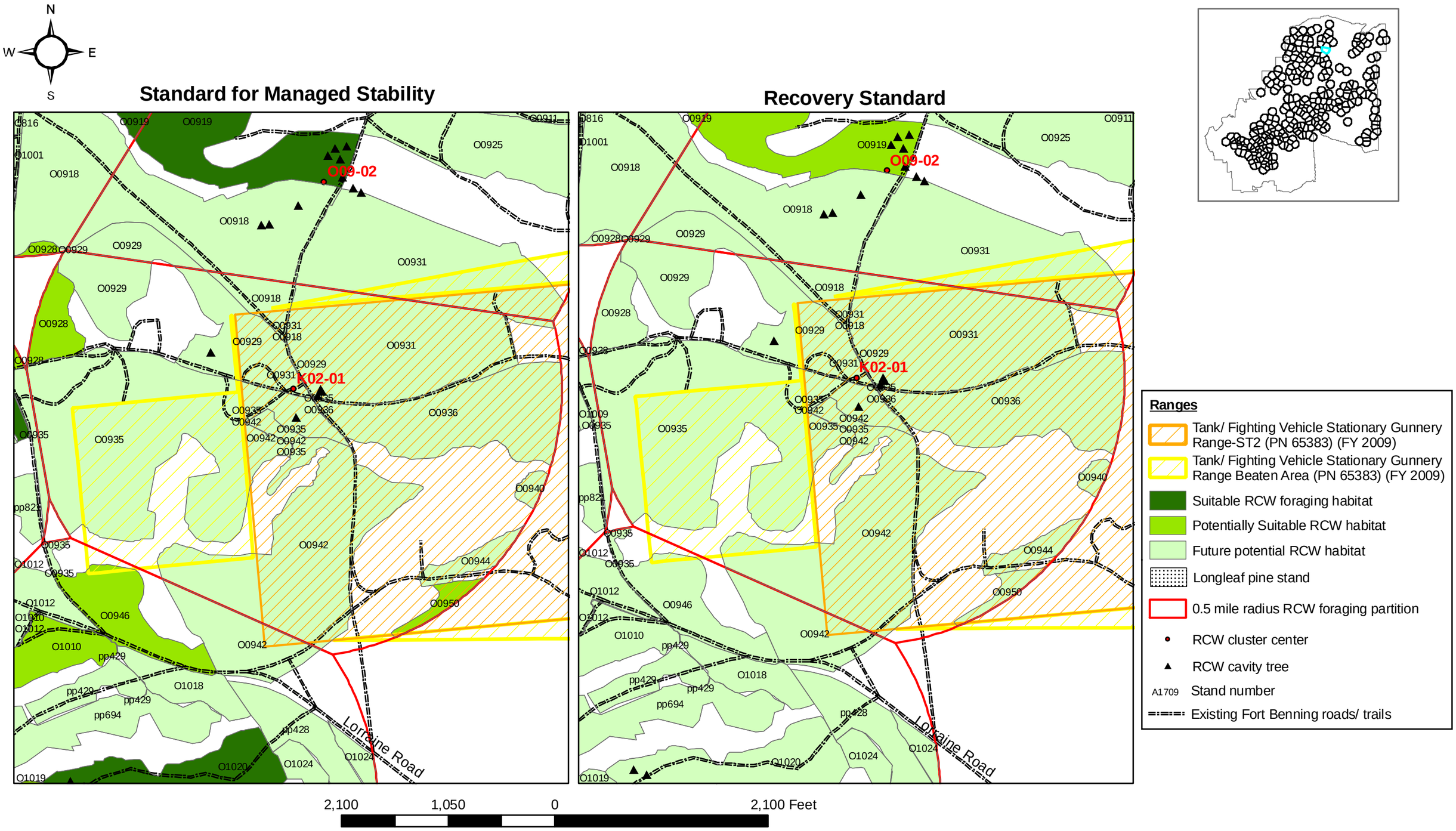

Figure E-42. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K02-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

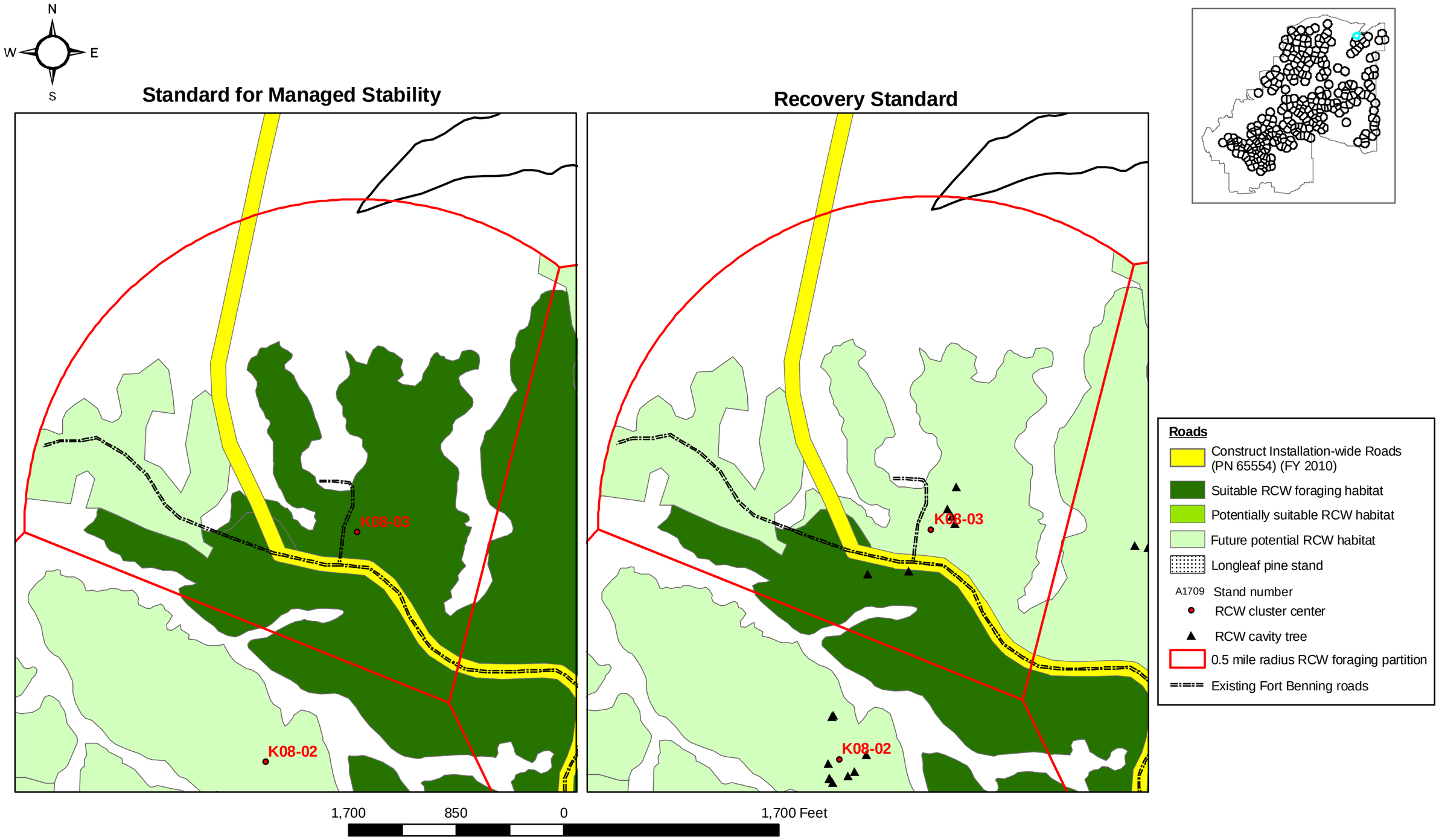

Figure E-43. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K08-03** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

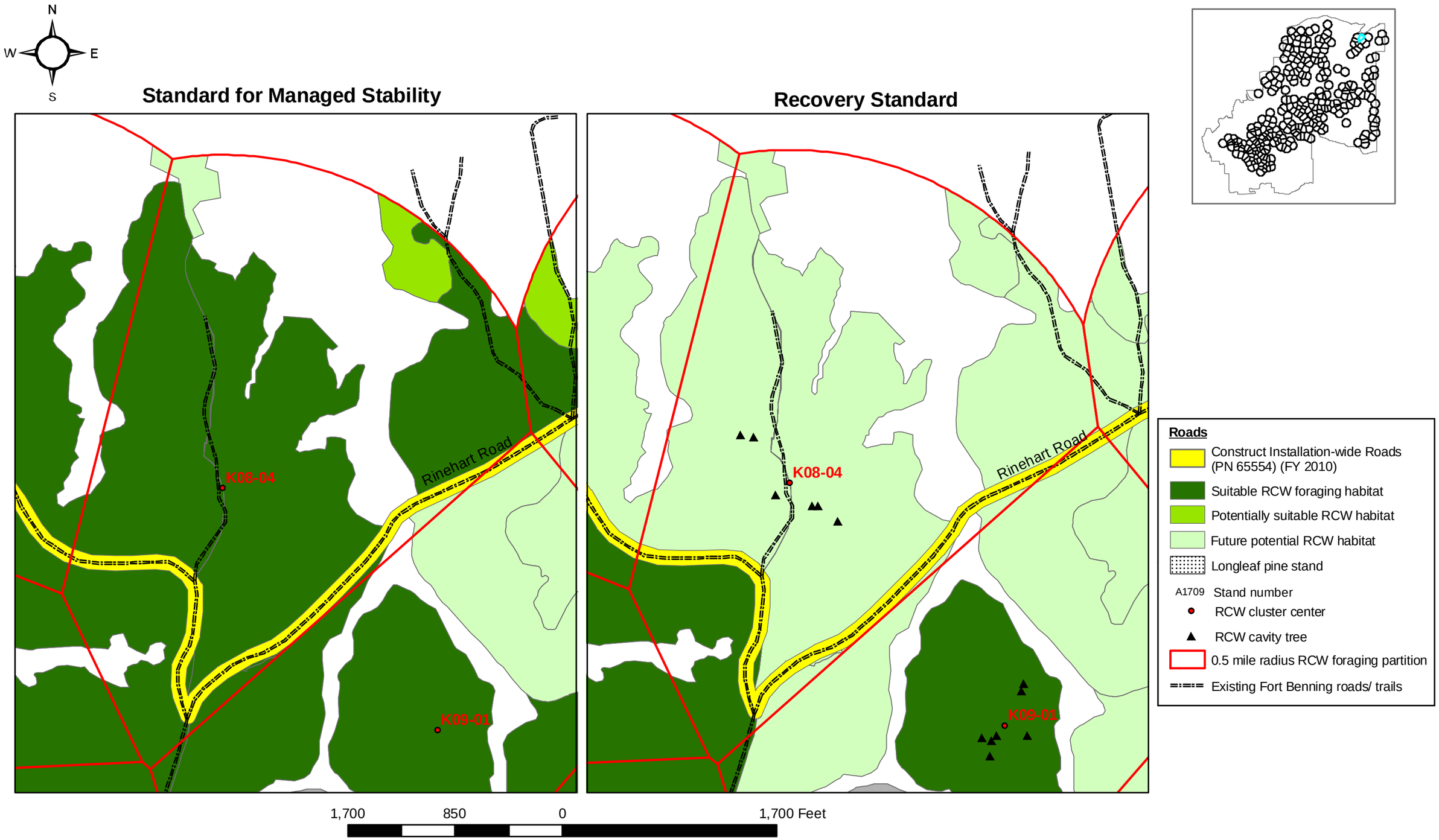

Figure E-44. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K08-04** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

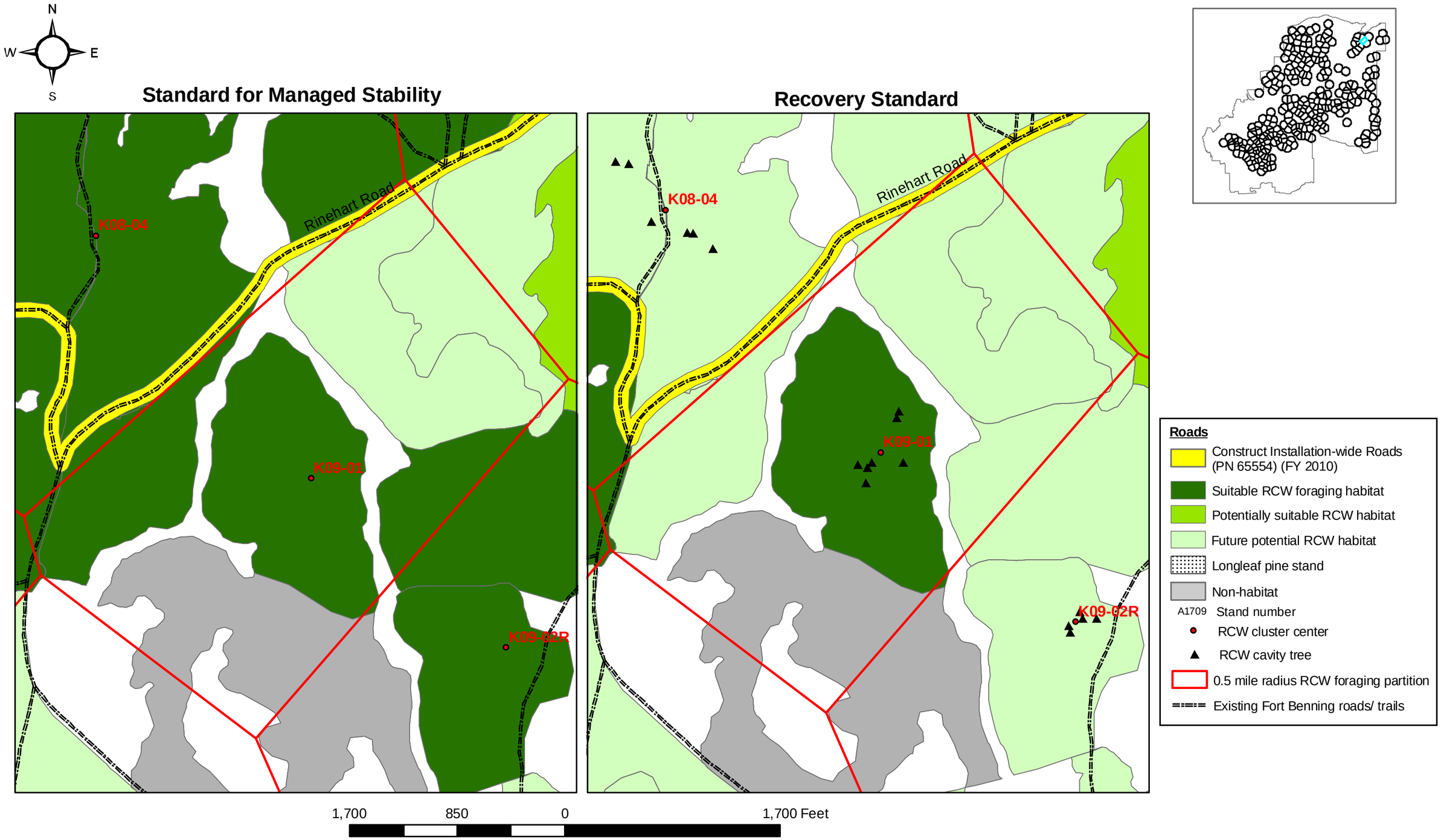

Figure E-45. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K09-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning Military Installation, Georgia.

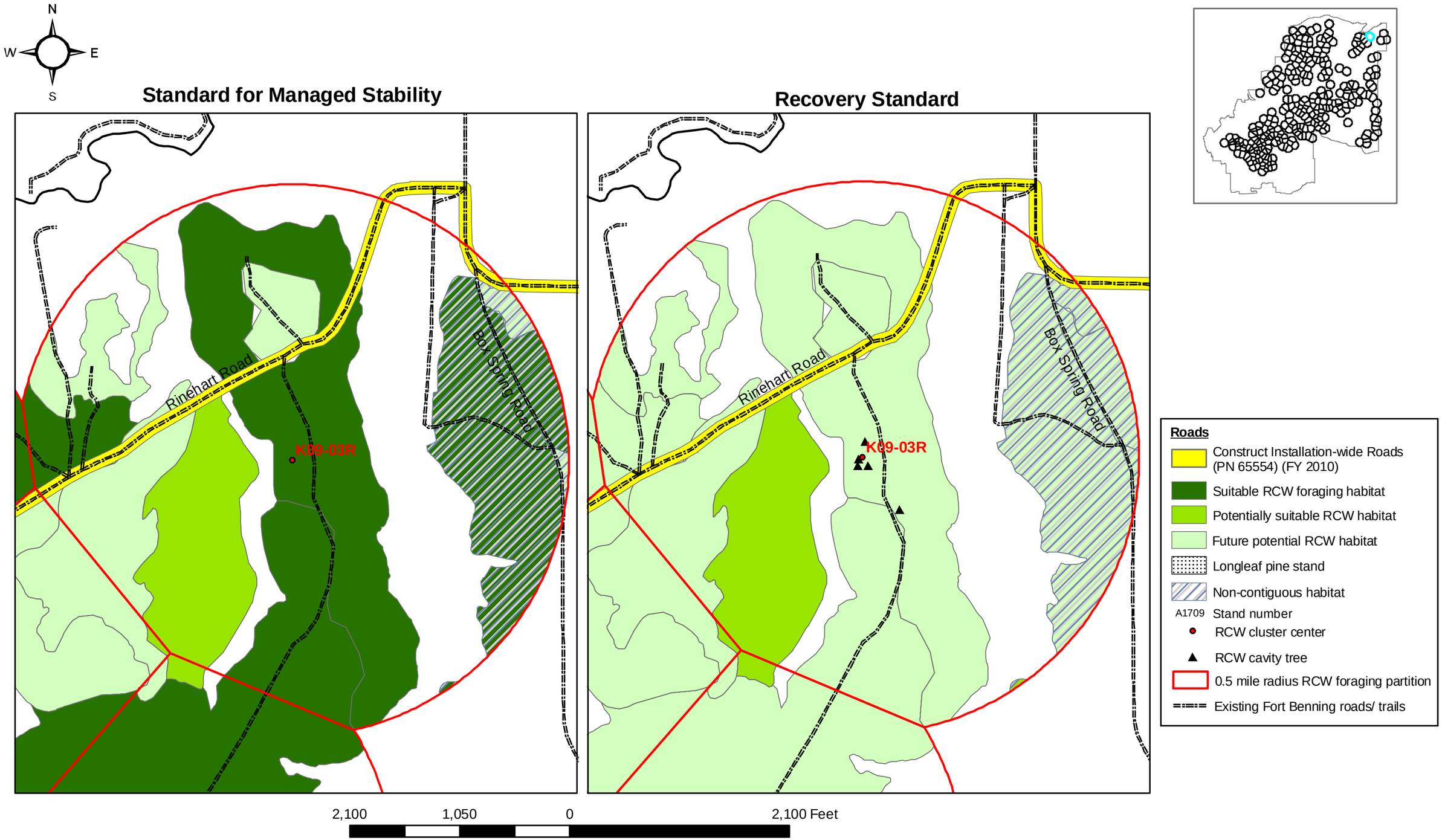

Figure E-46. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K09-03R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

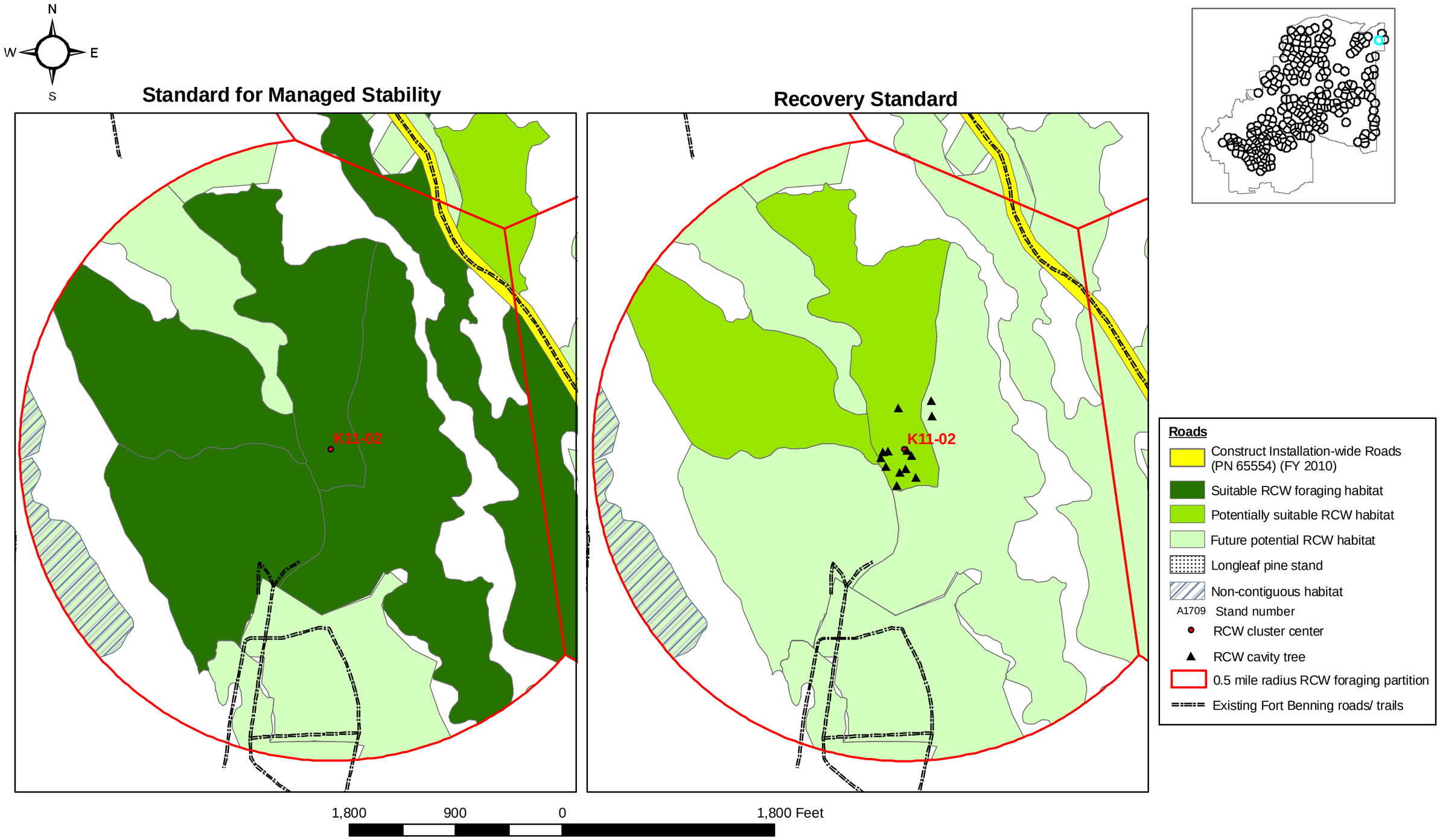

Figure E-47. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K11-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

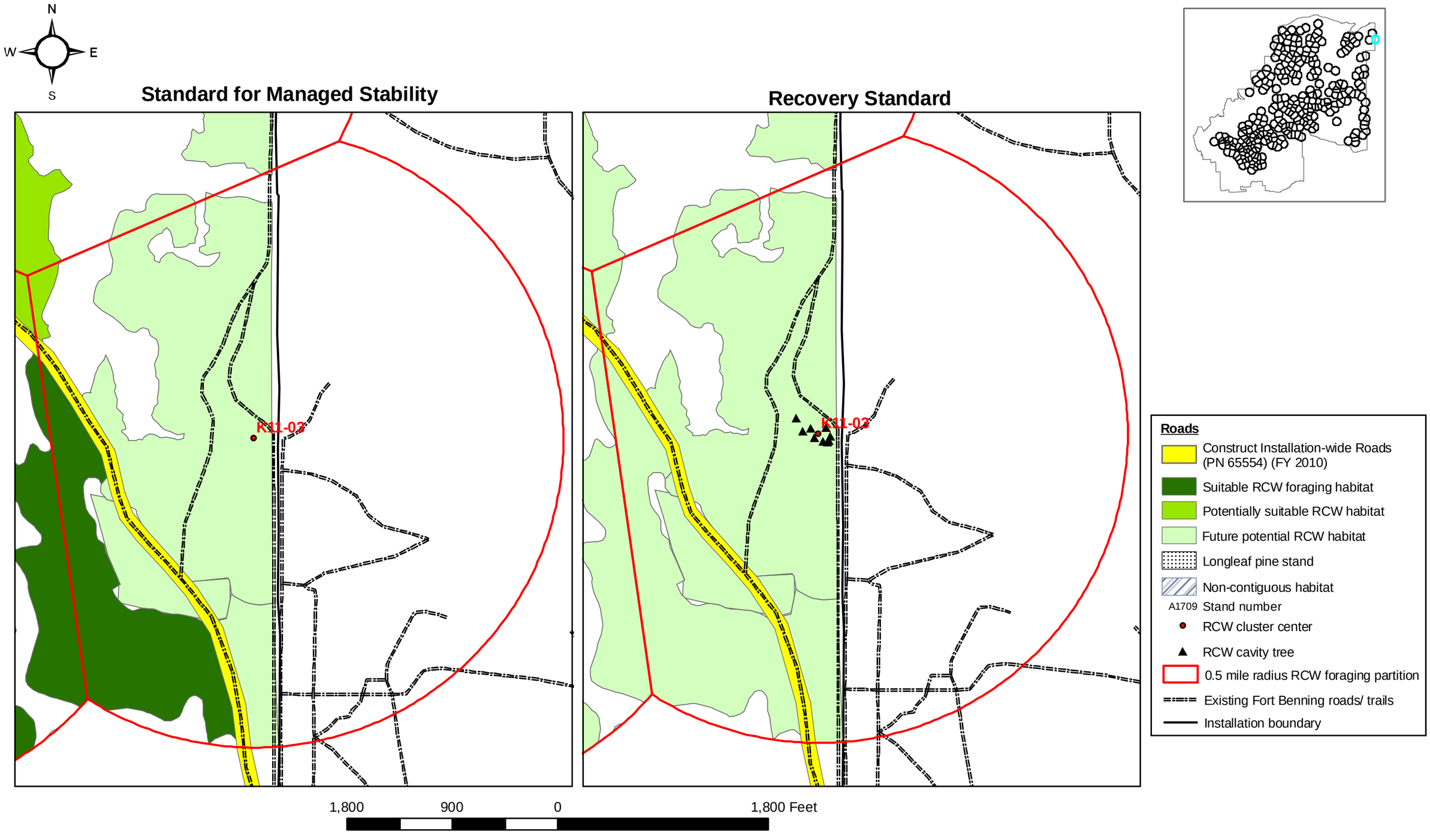

Figure E-48. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K11-03** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

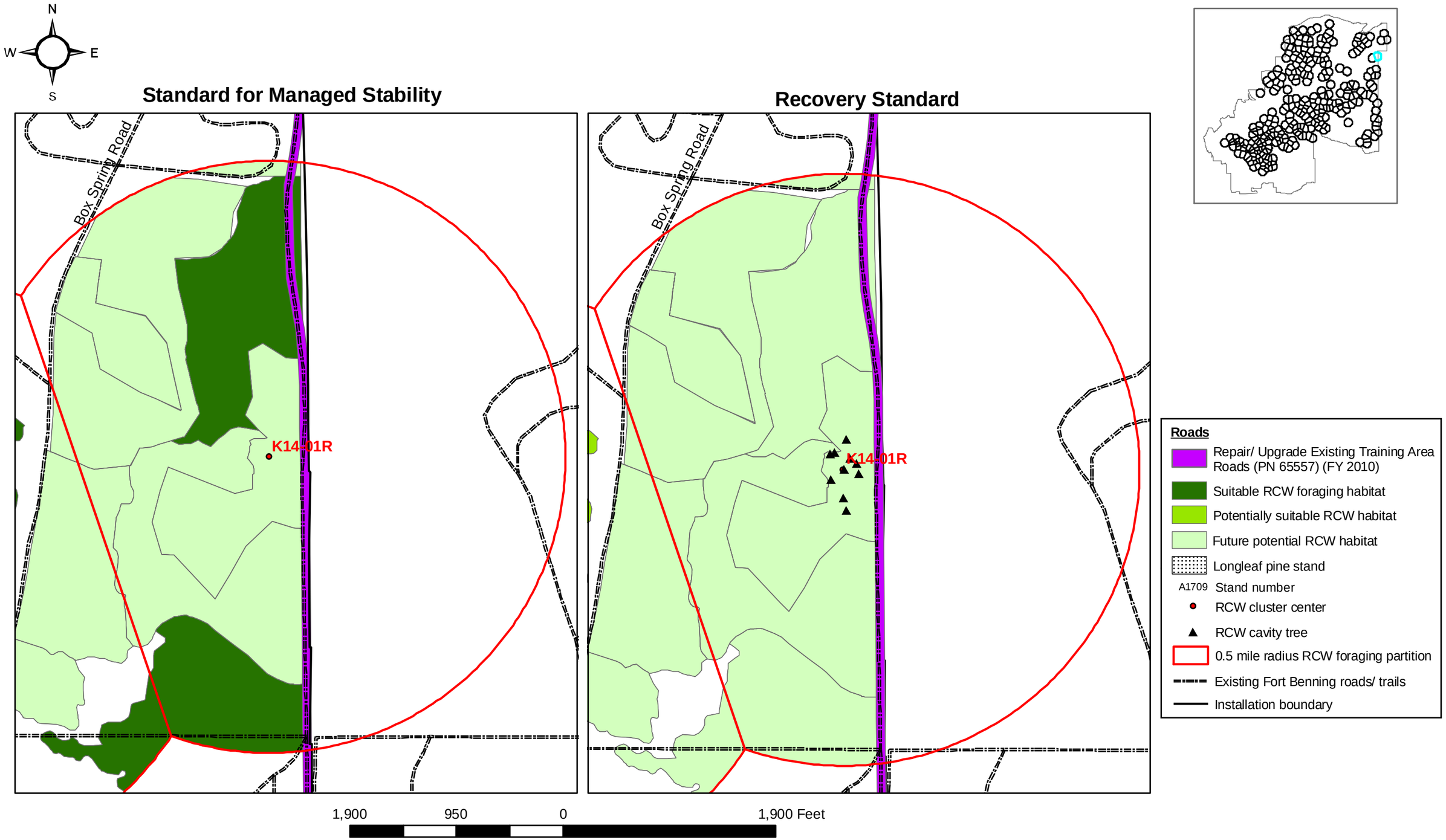

Figure E-49. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K14-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

Figure E-50. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K17-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

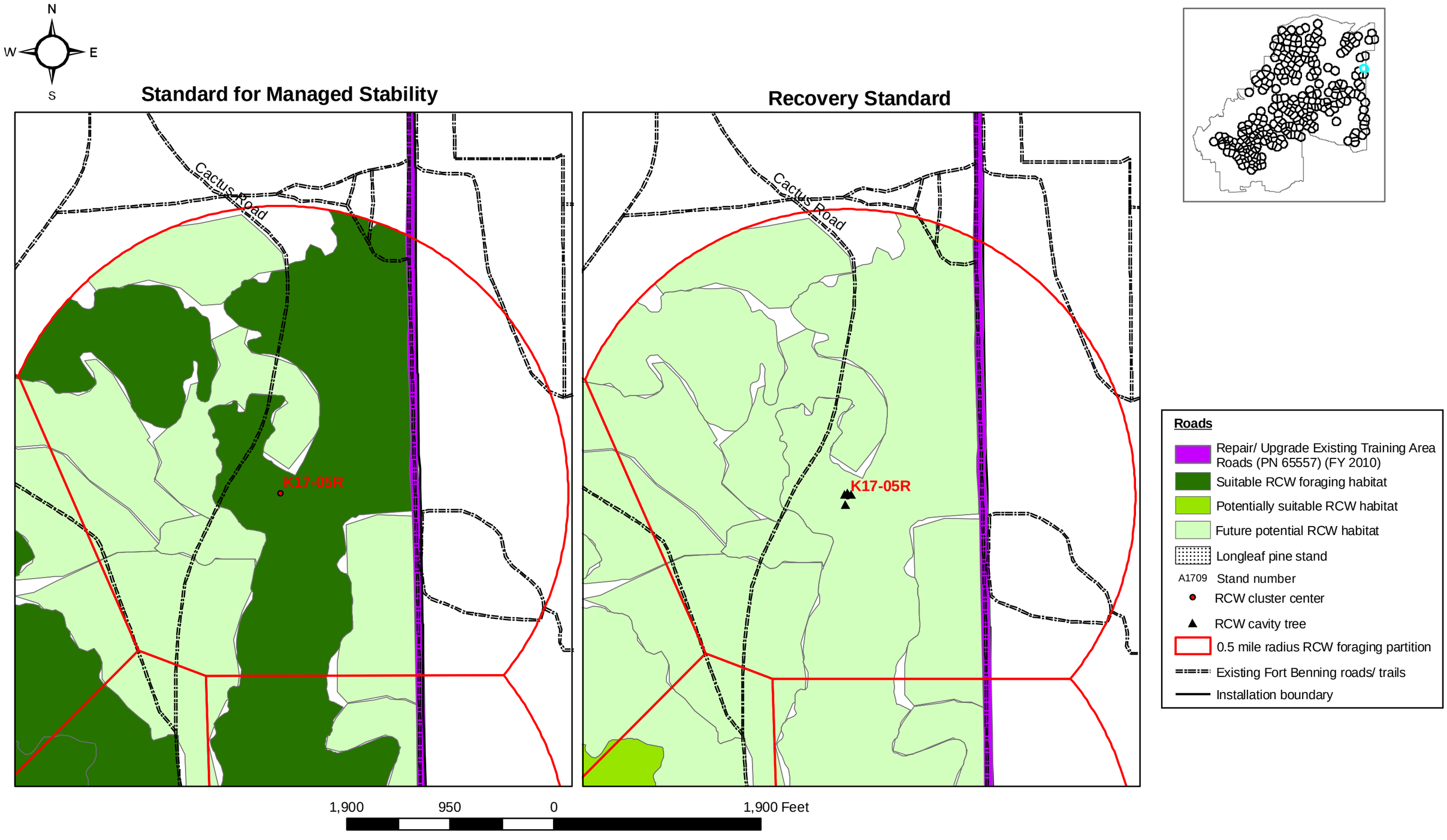

Figure E-51. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K17-05R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

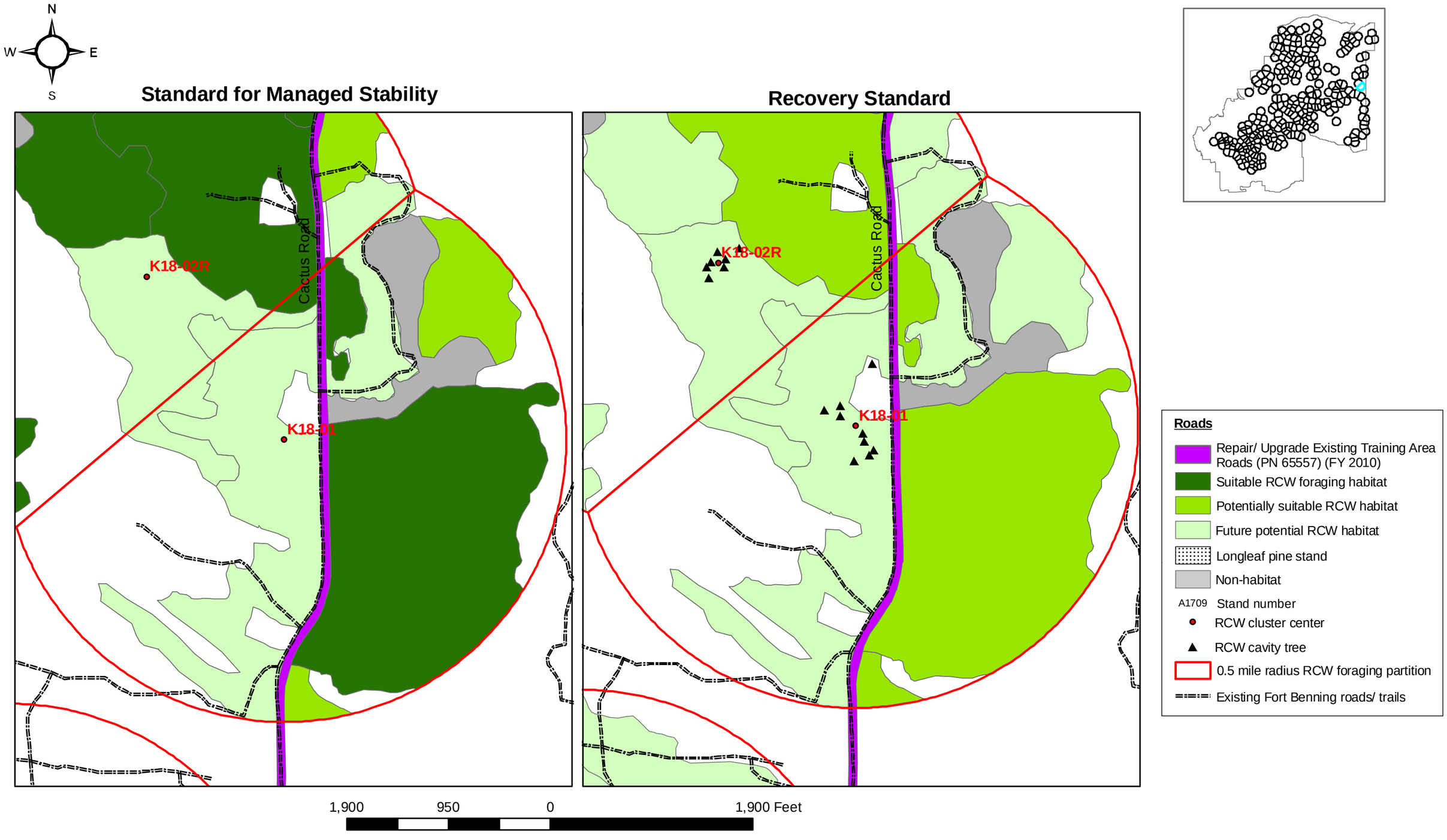

Figure E-52. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K18-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

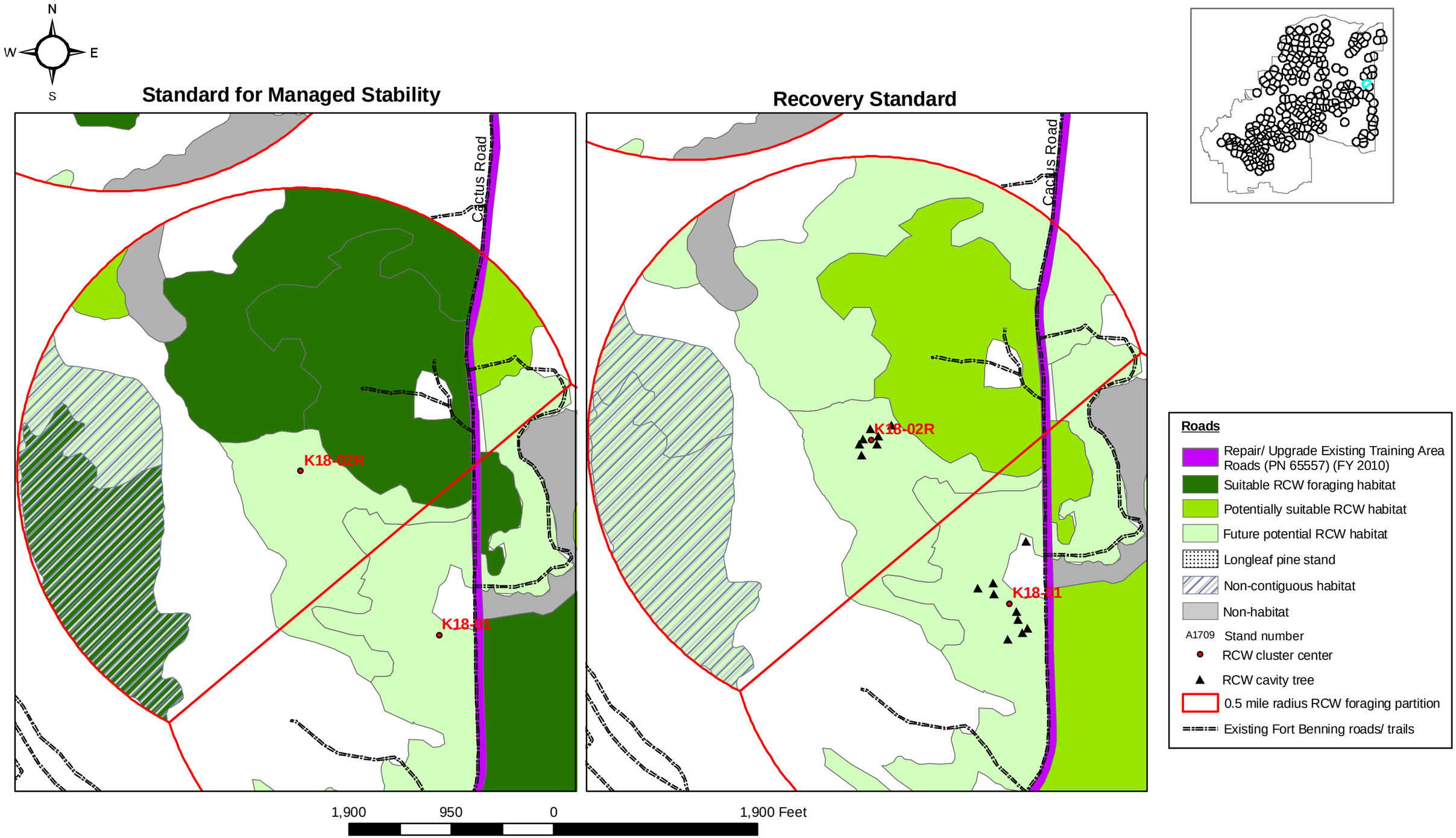

Figure E-53. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K18-02R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

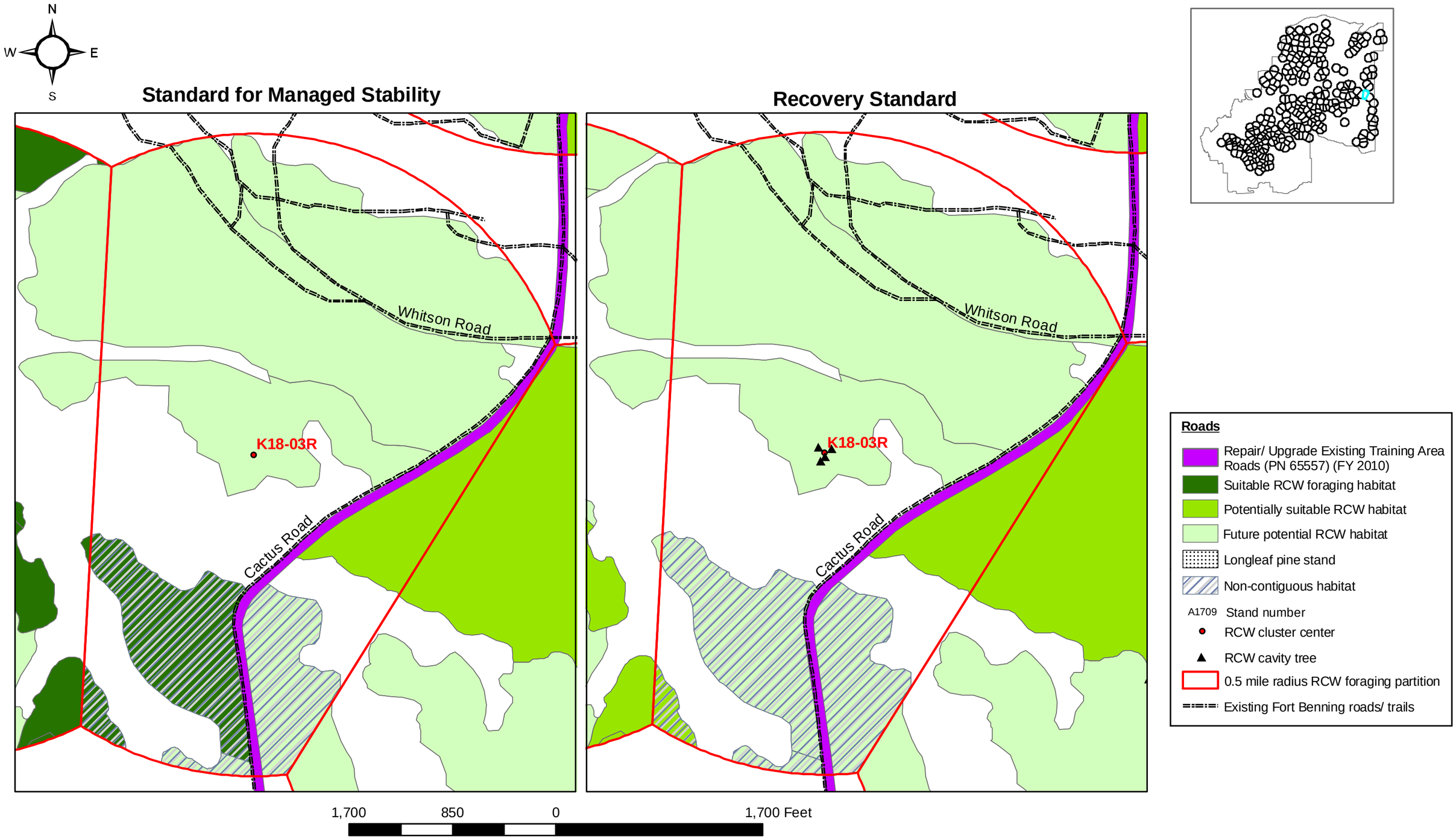

Figure E-54. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K18-03R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

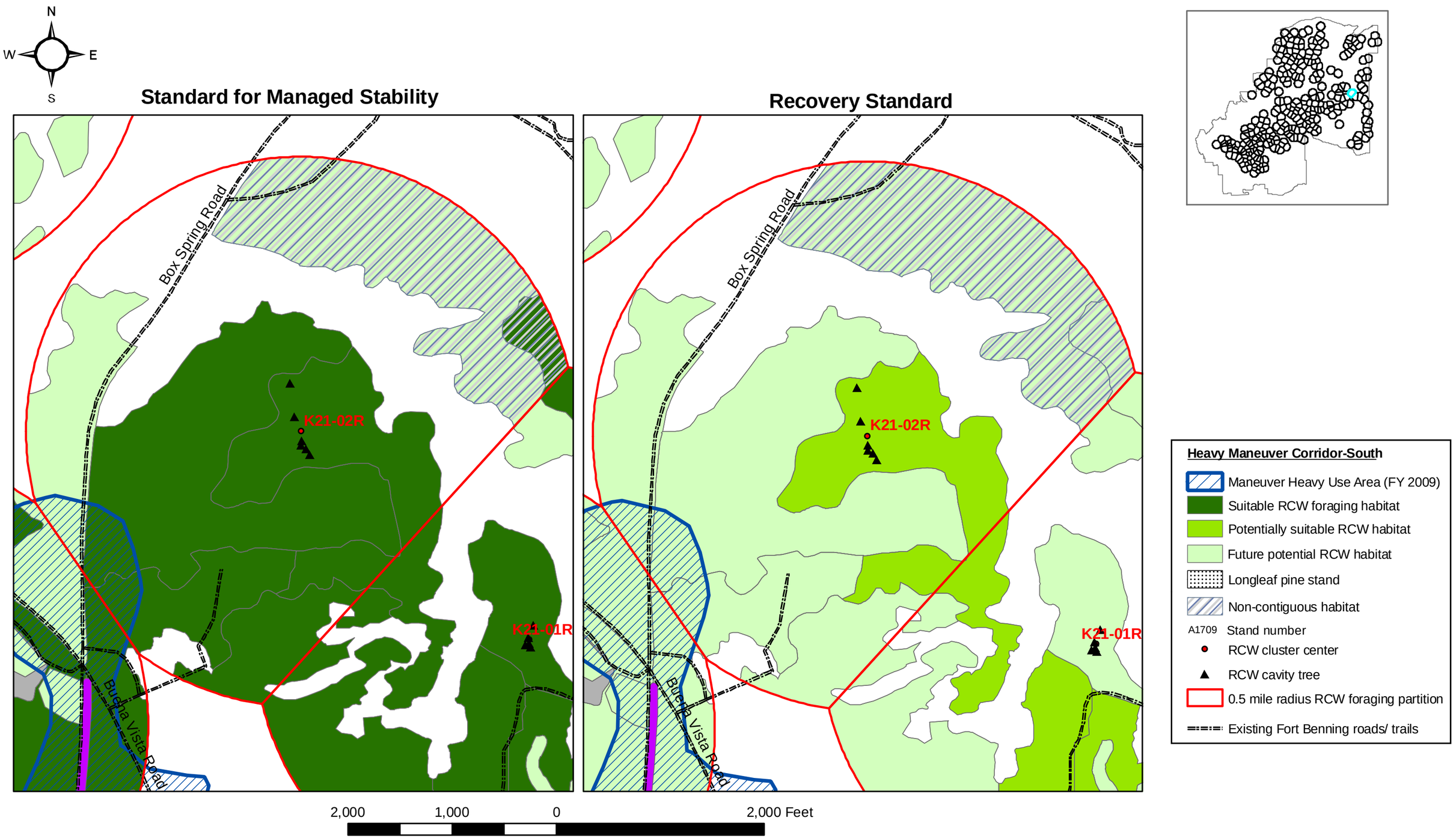

Figure E-55. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K21-02R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

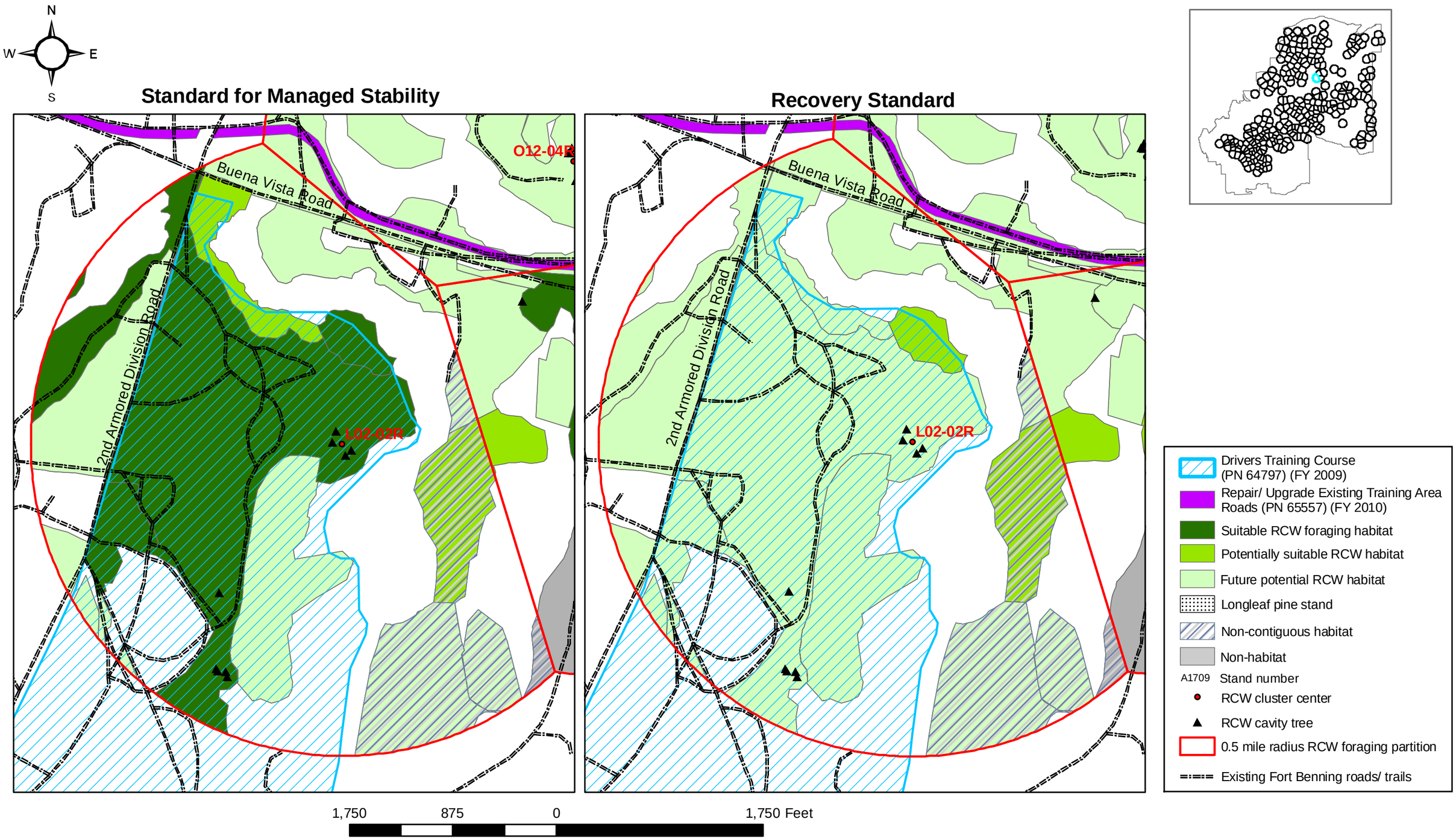

Figure E-56. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **L02-02R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

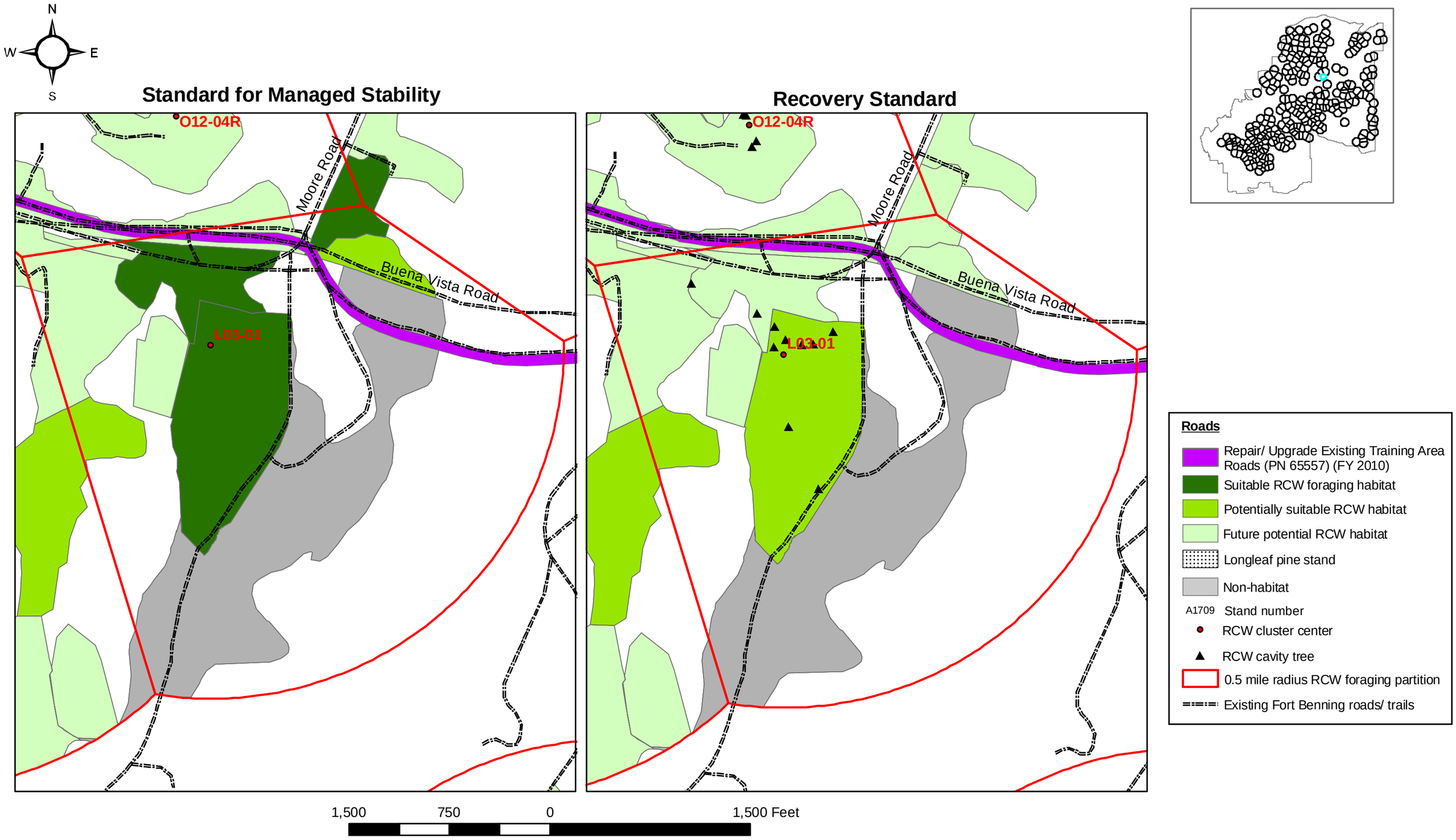

Figure E-57. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **L03-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

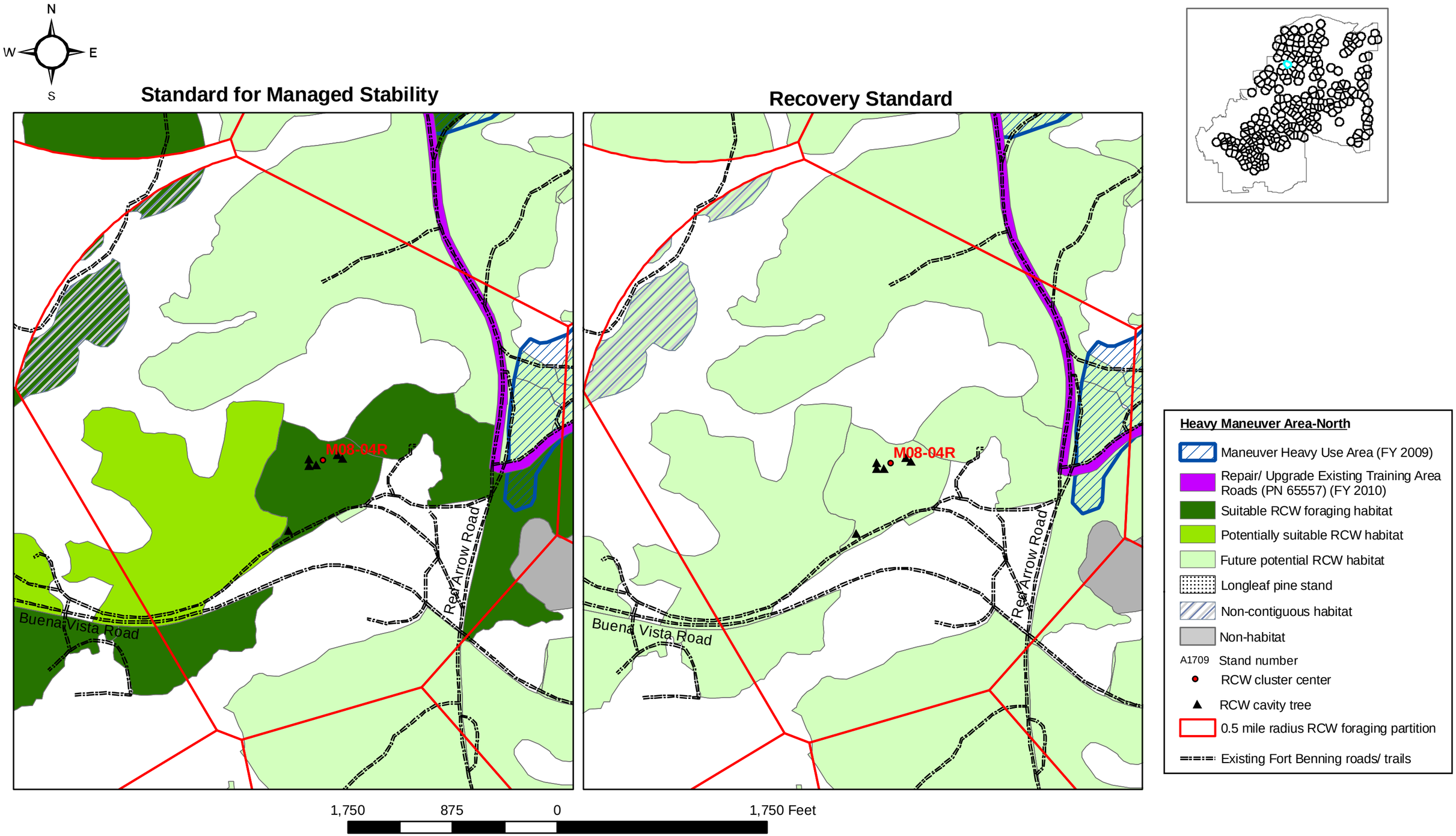

Figure E-58. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **M08-04R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

Figure E-59. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **M08-05R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

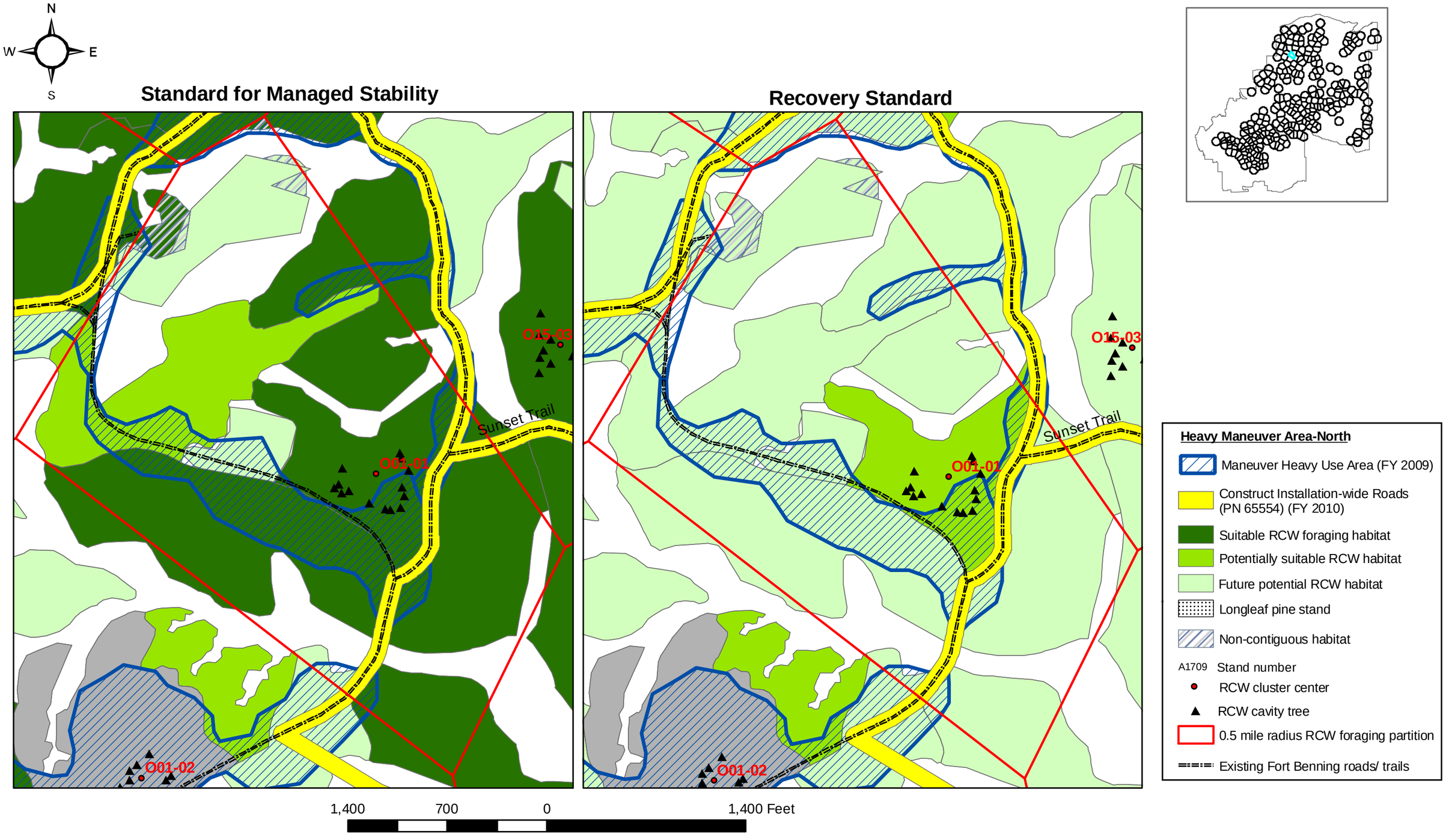

Figure E-60. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O01-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

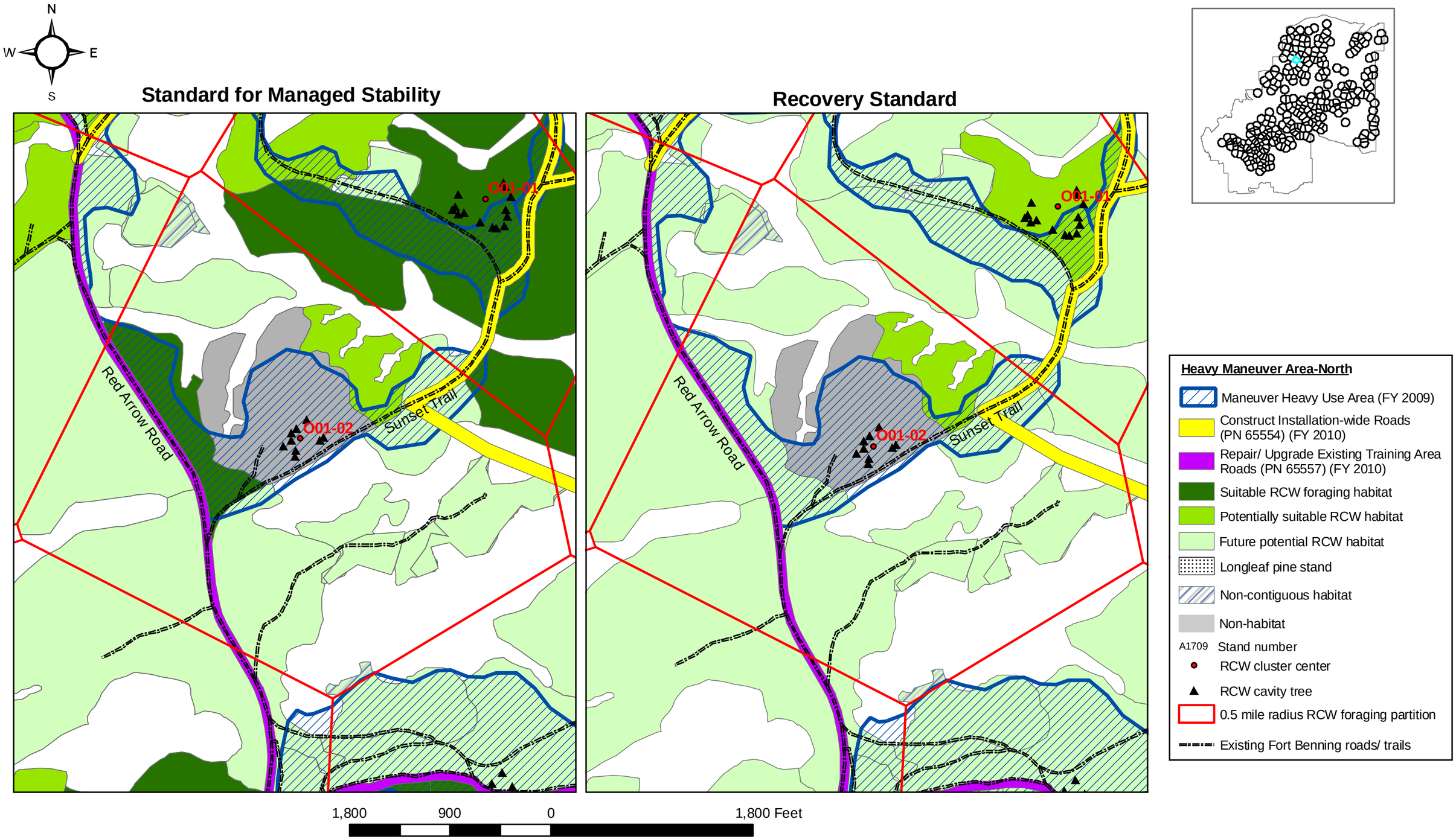

Figure E-61. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O01-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

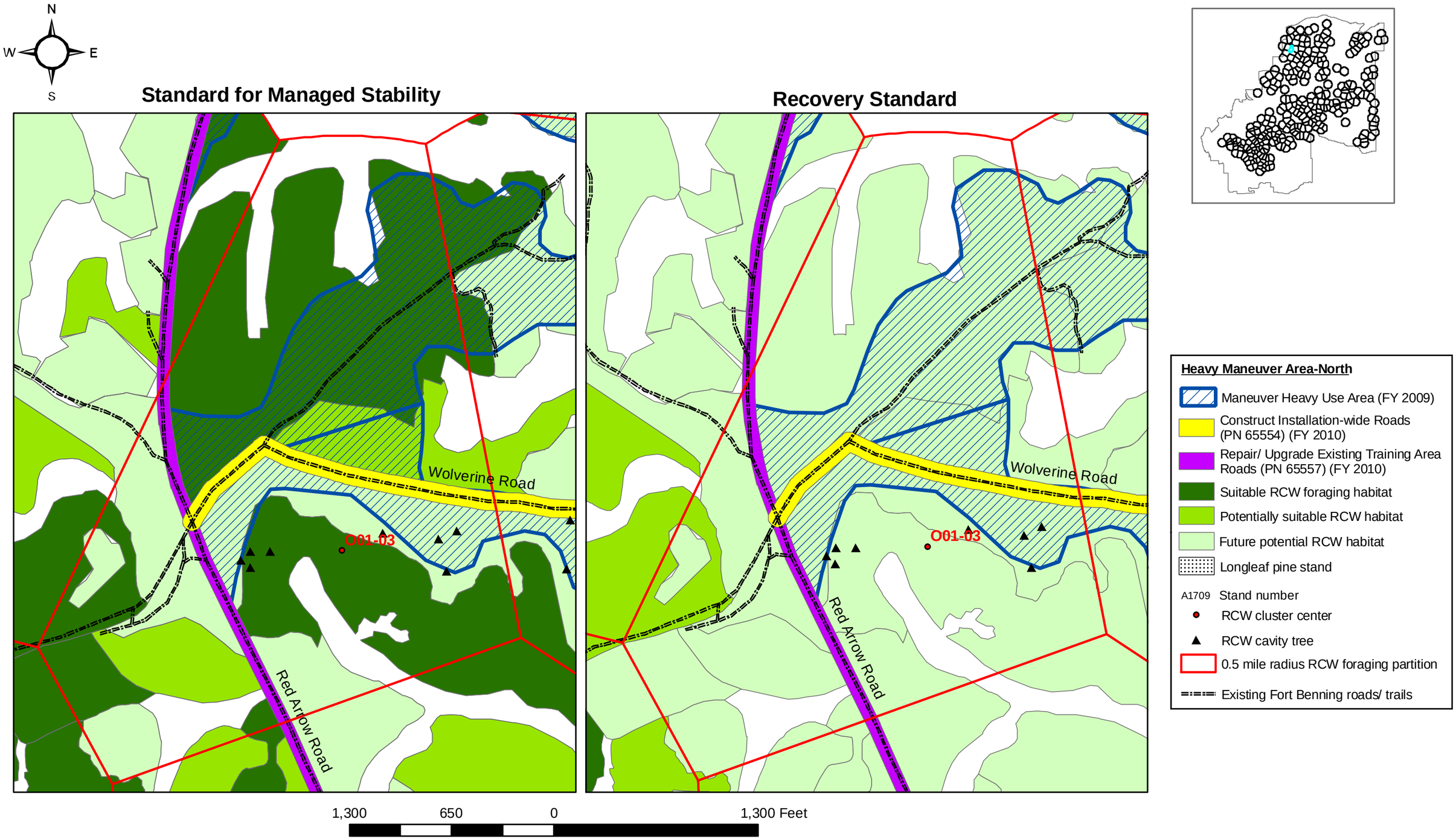

Figure E-62. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O01-03** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

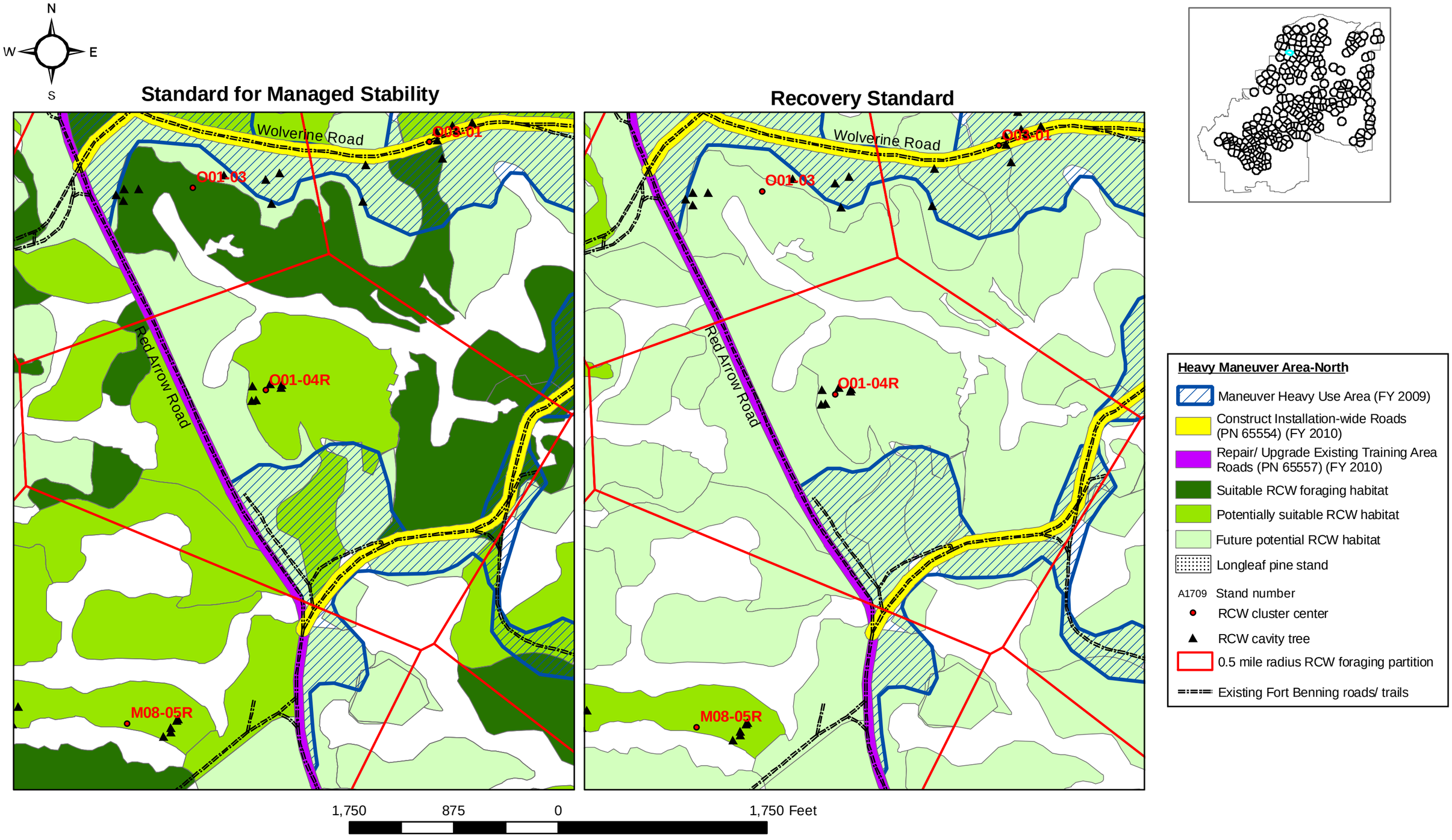

Figure E-63. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O01-04R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

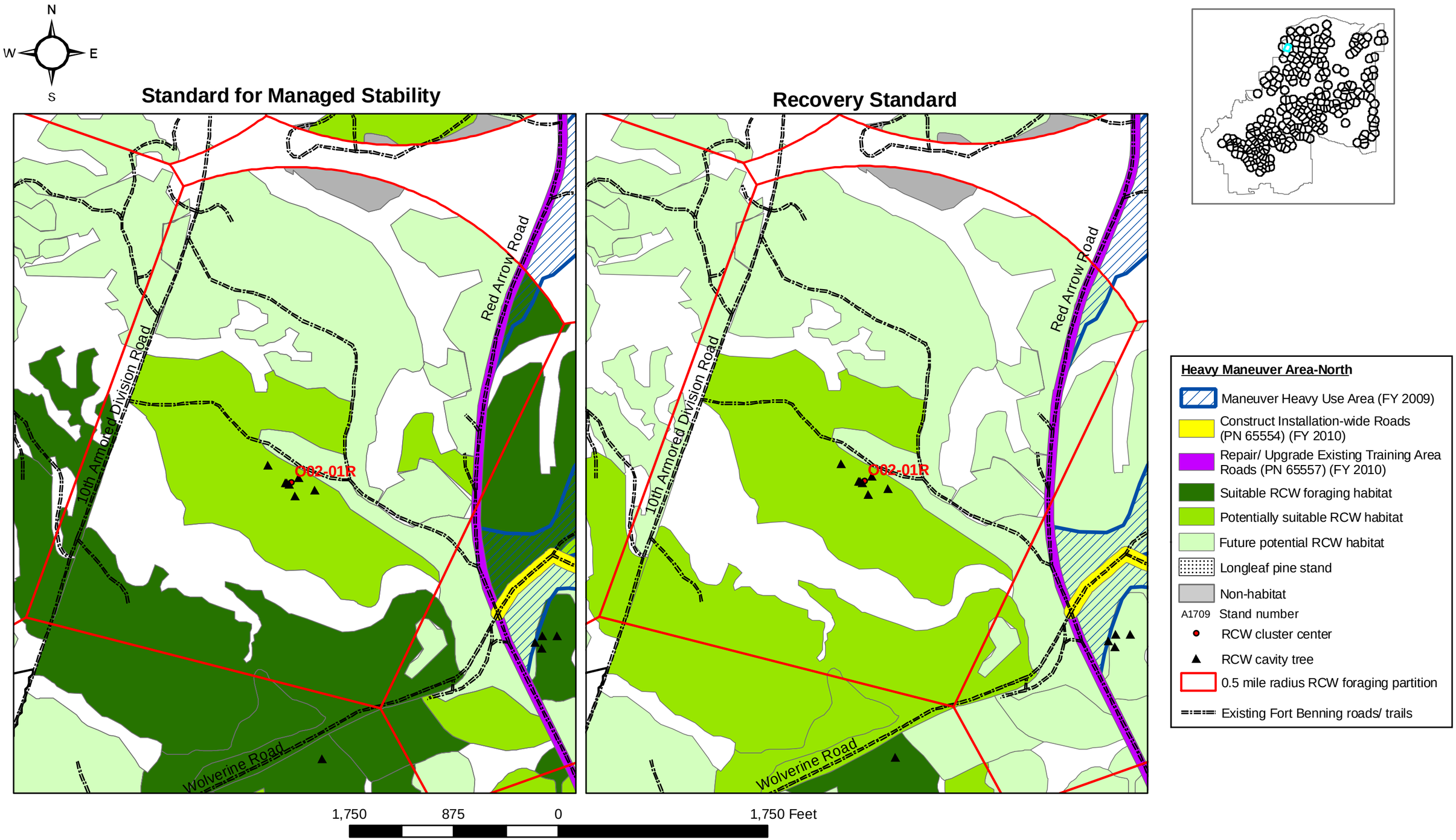

Figure E-64. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O02-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

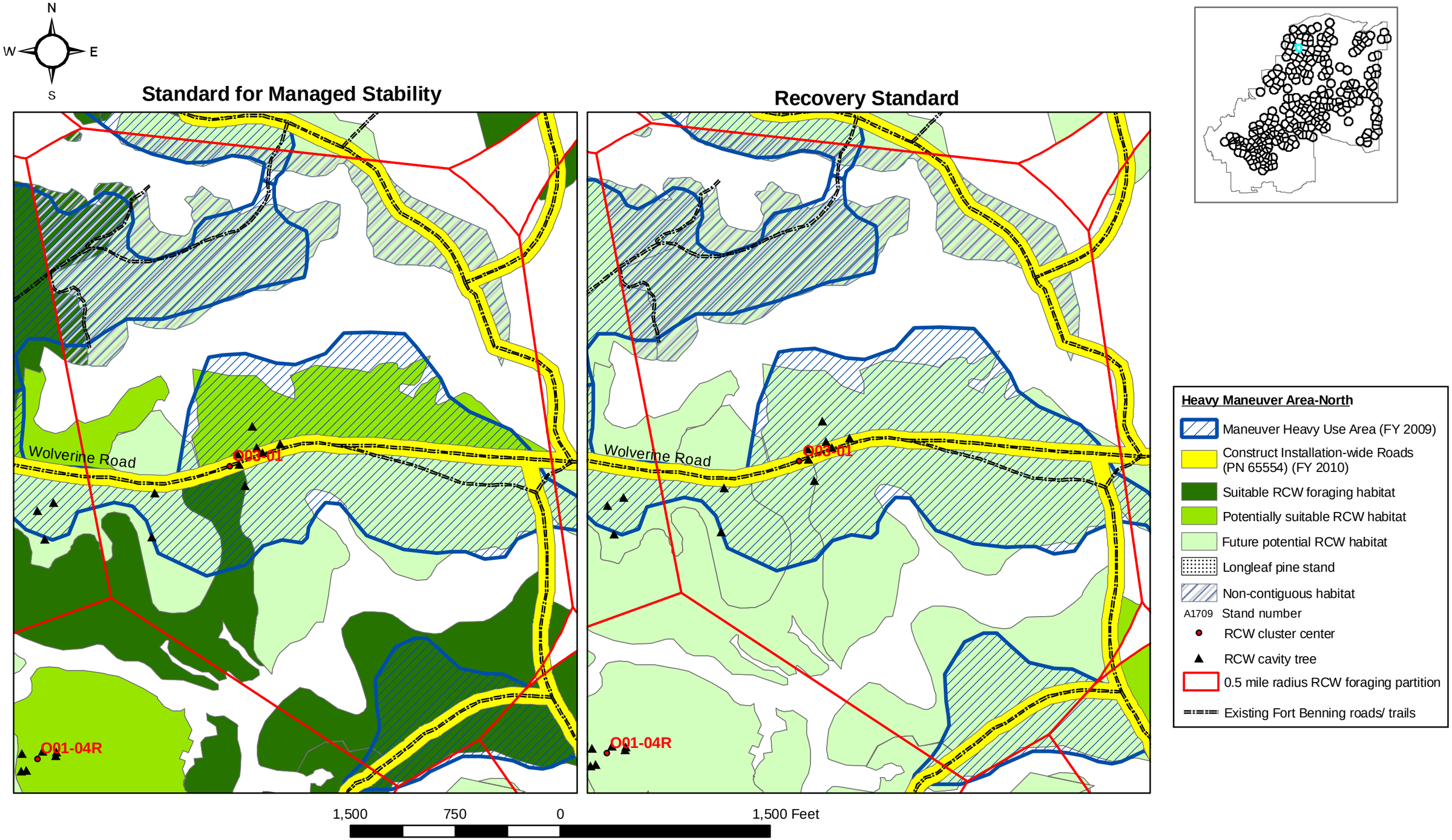

Figure E-65. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O03-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

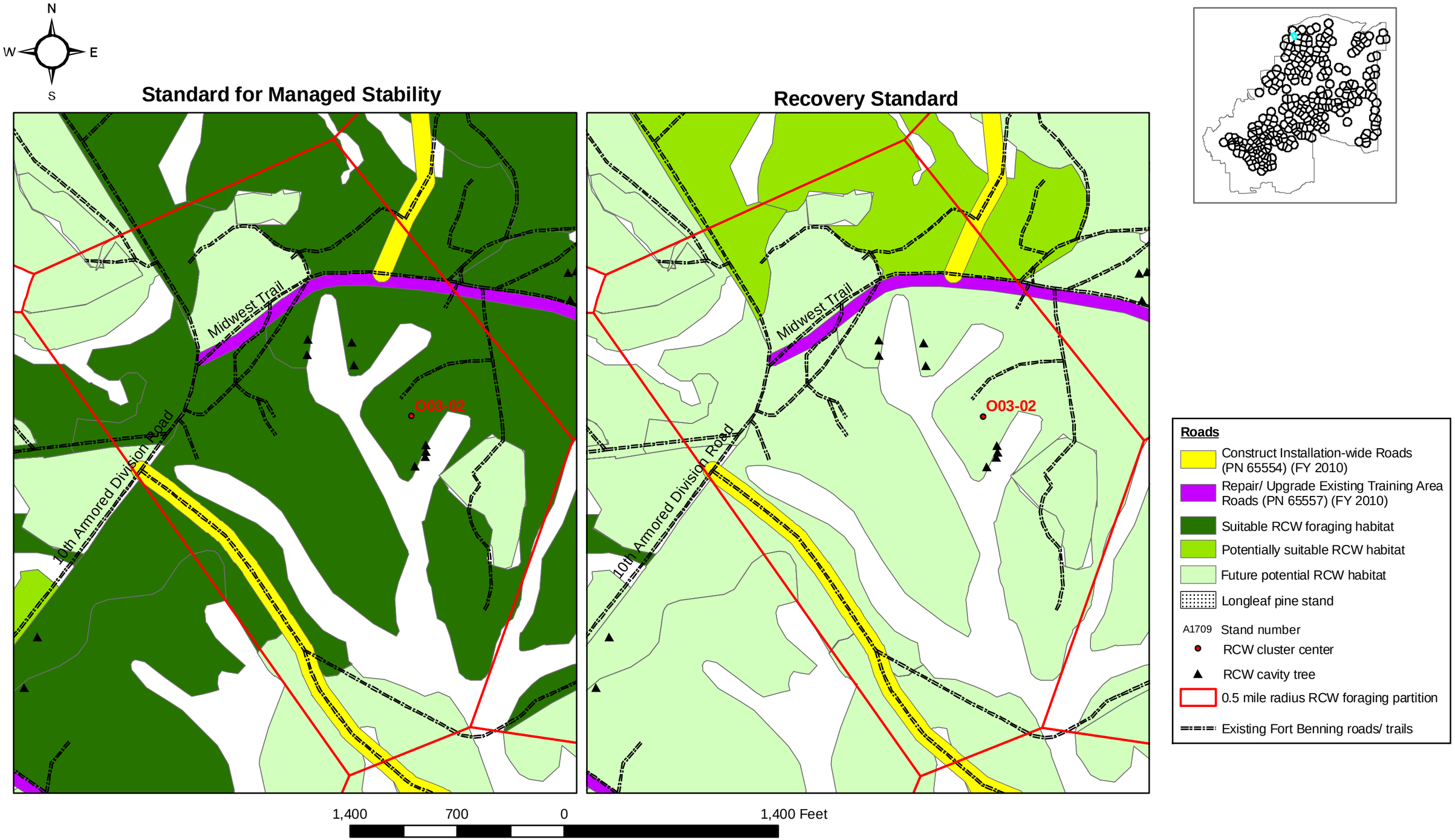

Figure E-66. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O03-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

Figure E-67. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O03-03** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

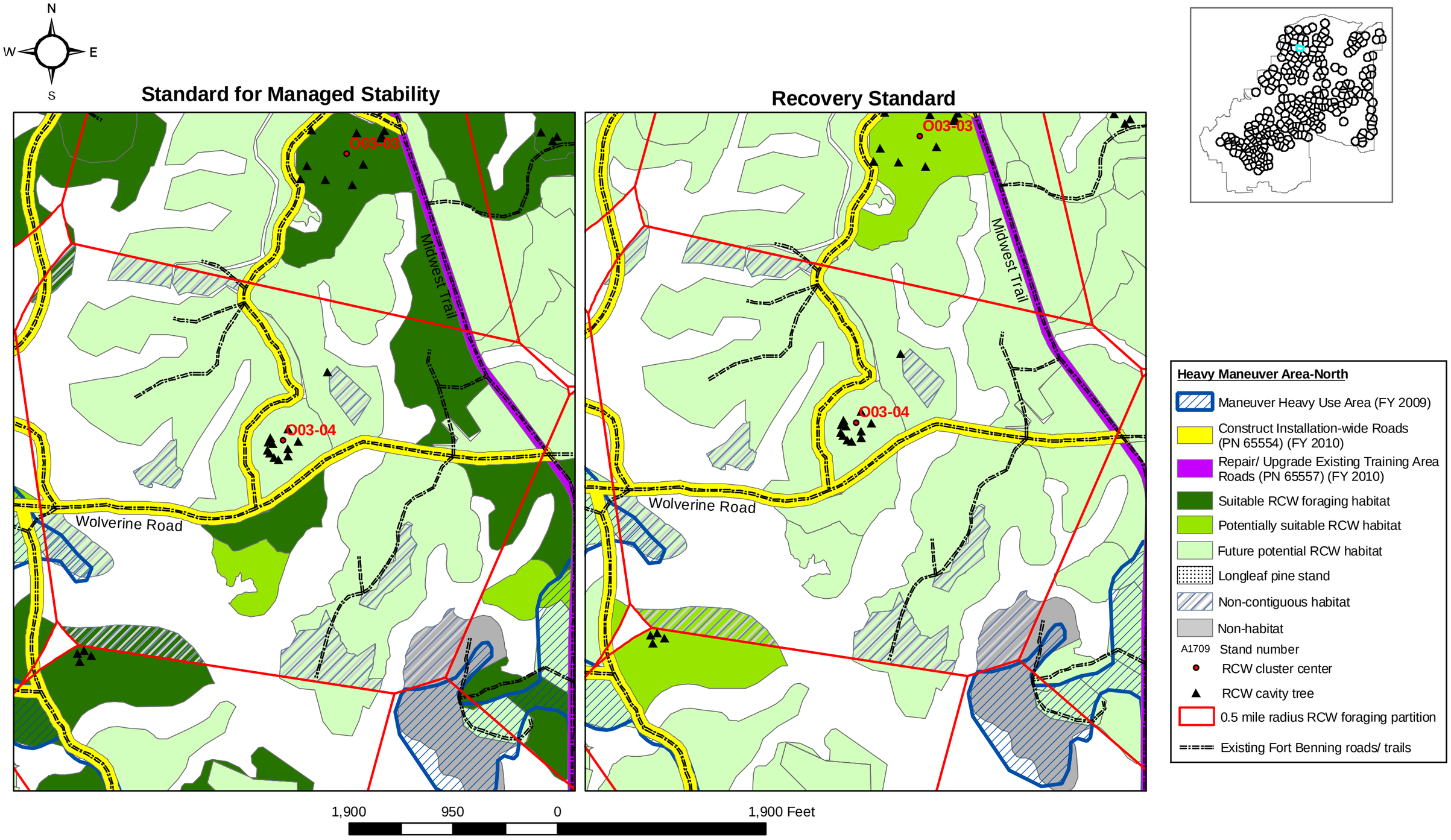

Figure E-68. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O03-04** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

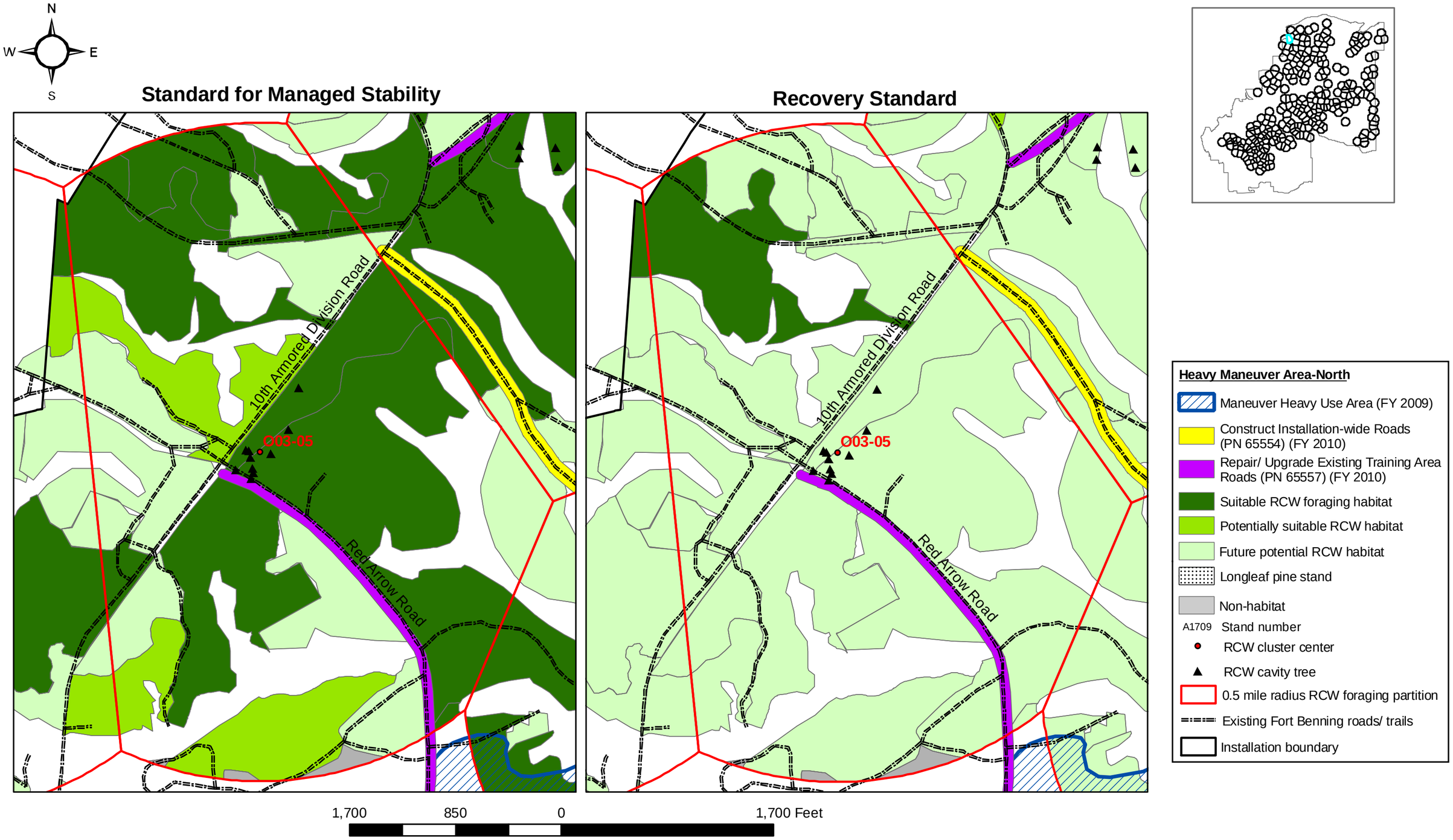

Figure E-69. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O03-05** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

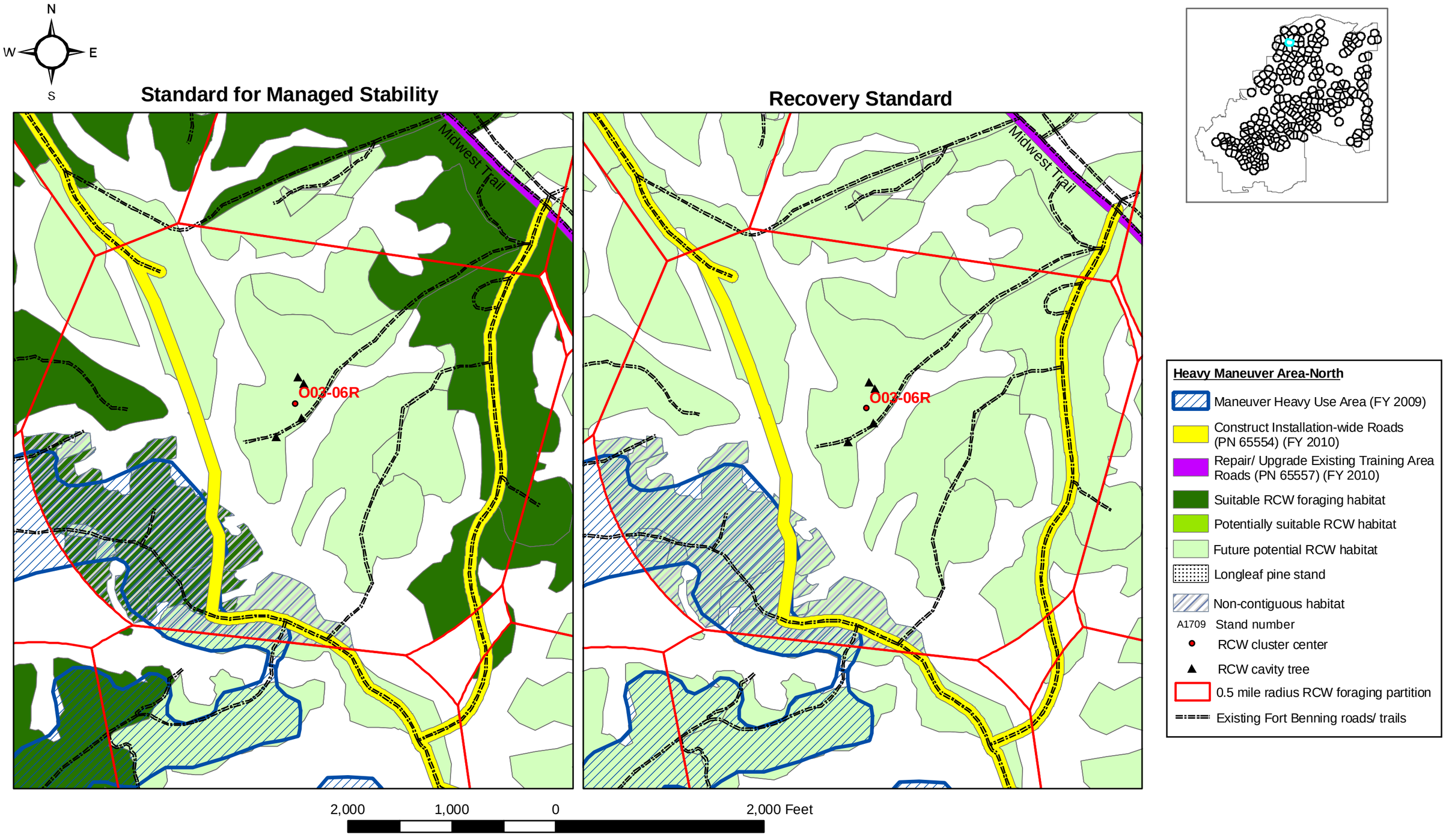

Figure E-70. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O03-06R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

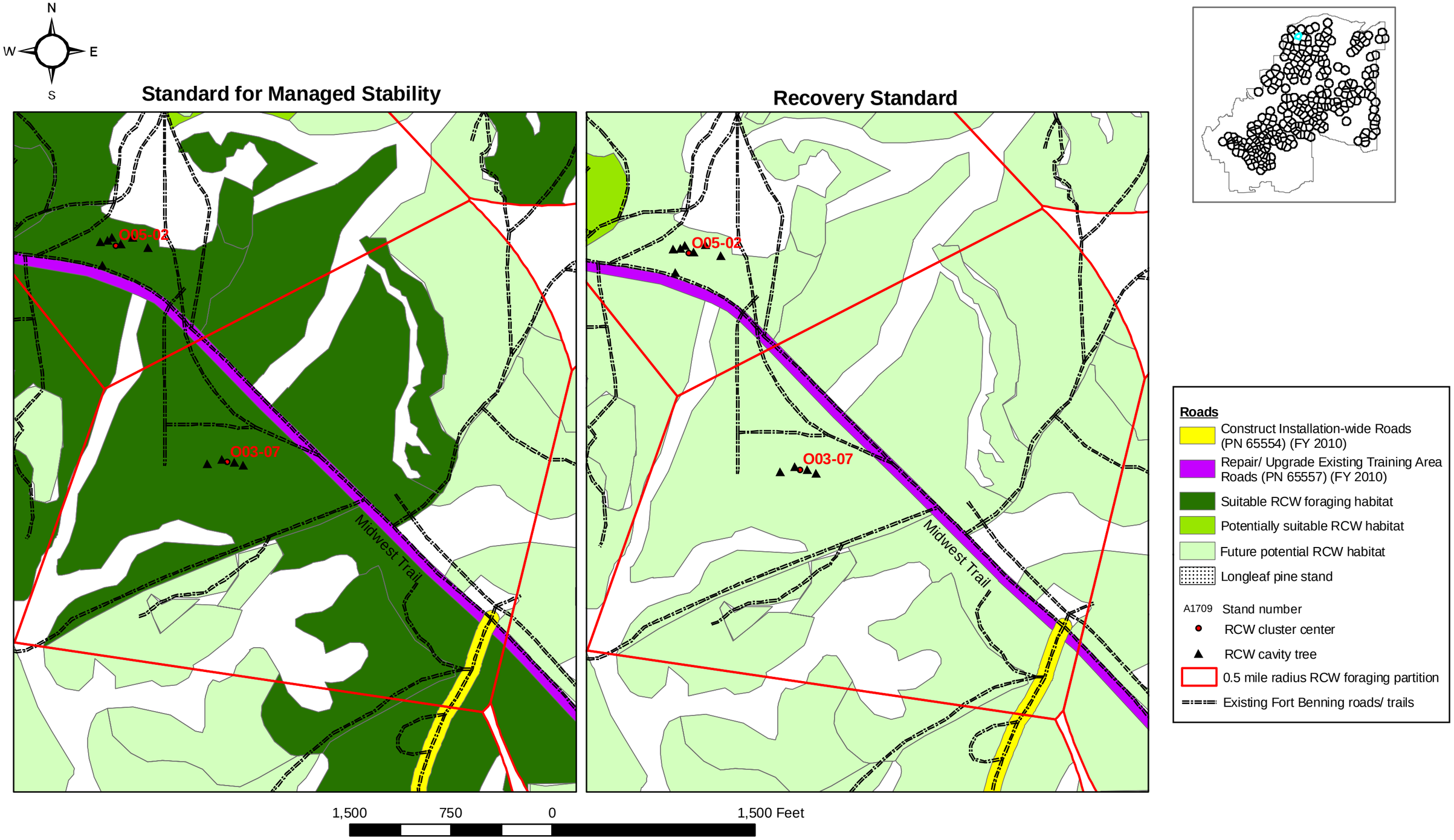

Figure E-71. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O03-07** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

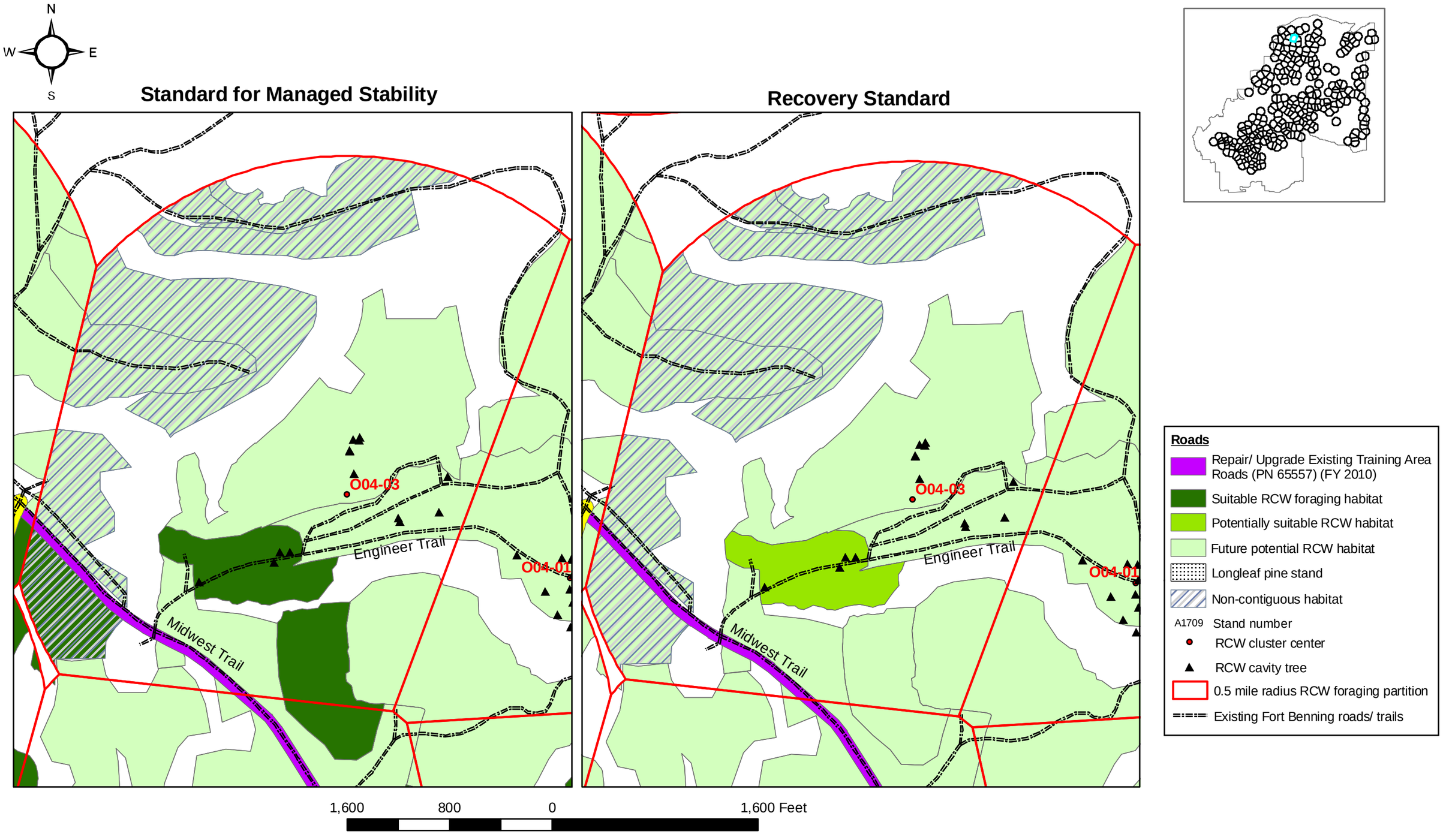

Figure E-72. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O04-03** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

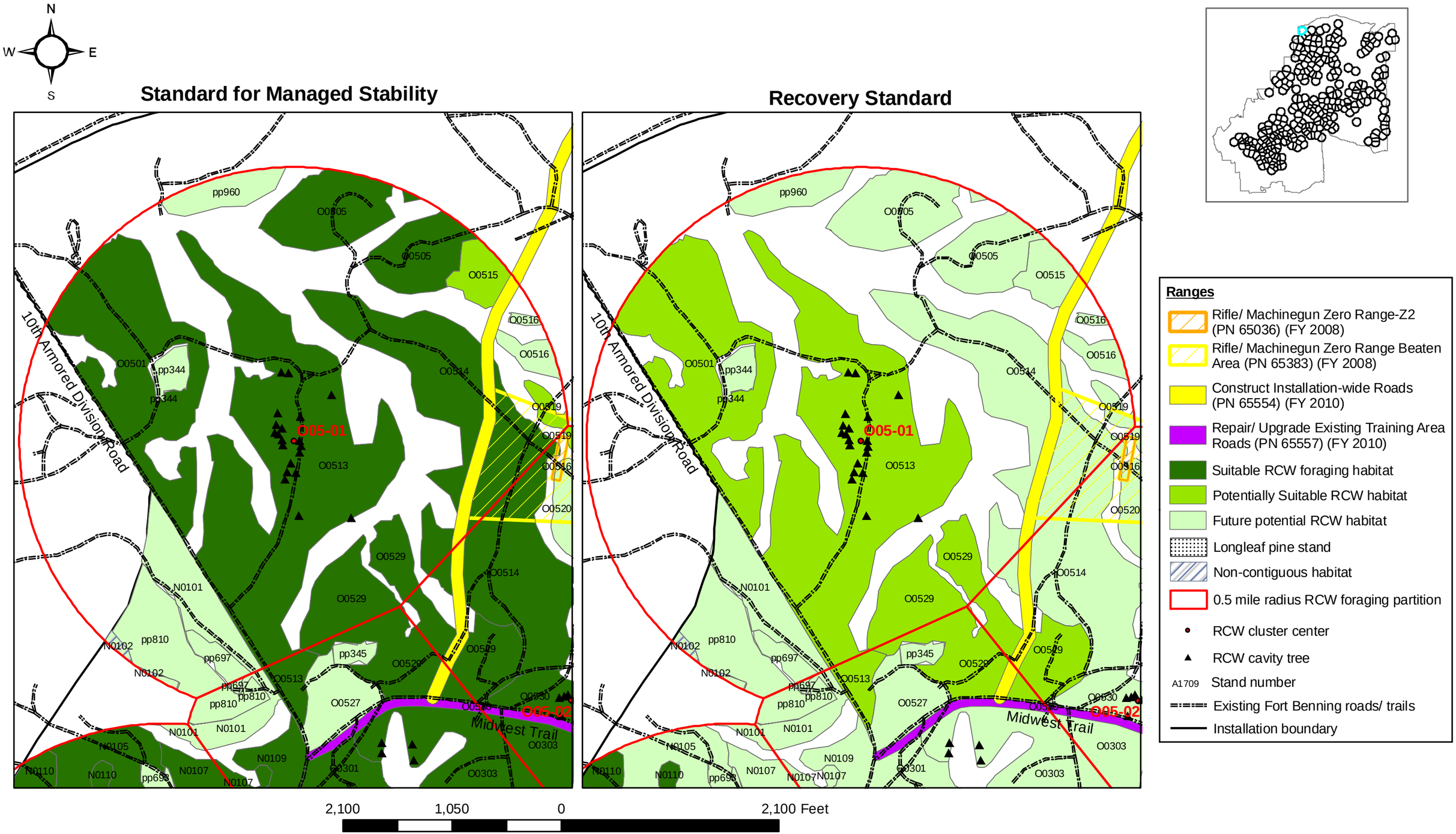

Figure E-73. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O05-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

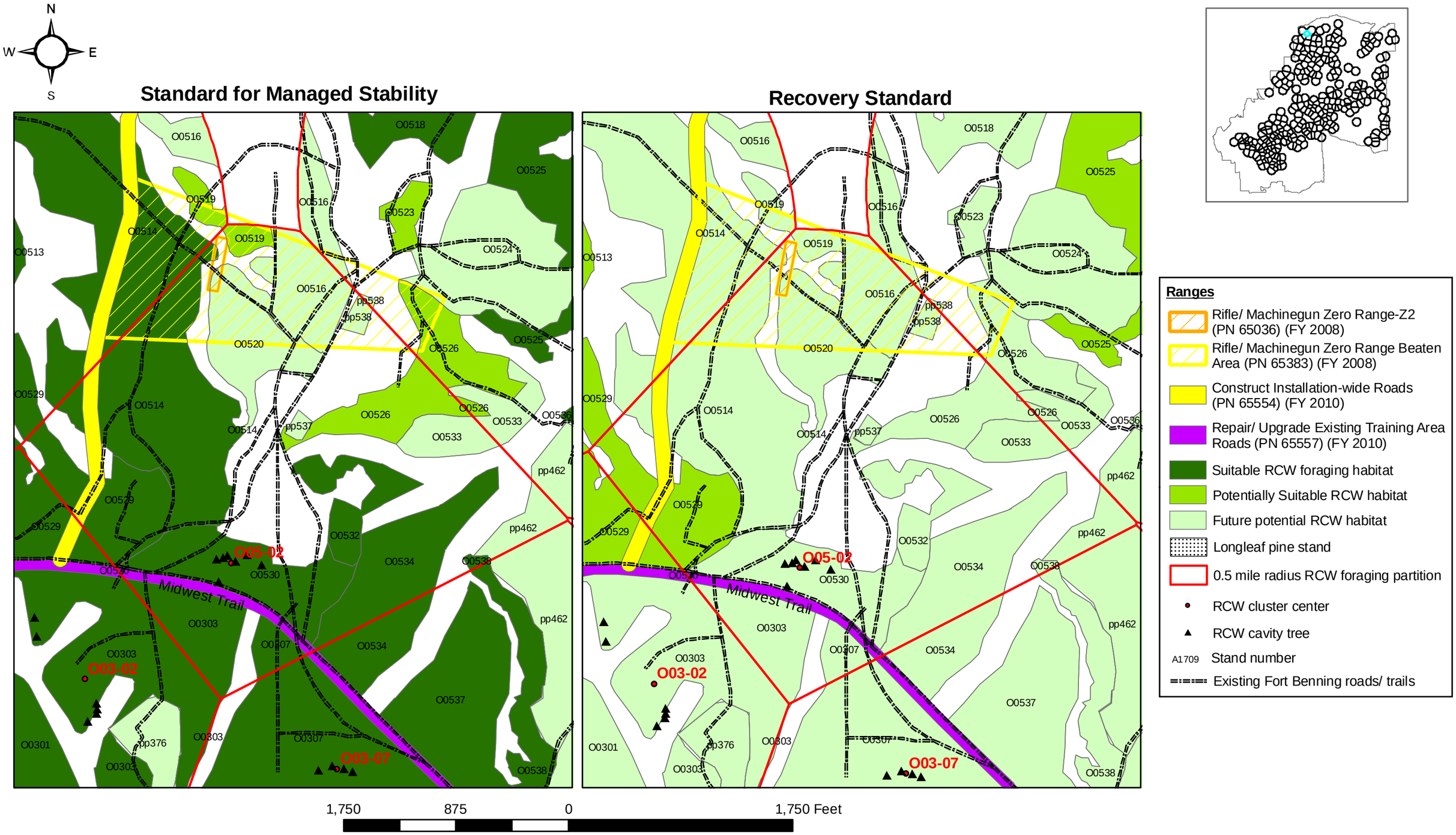

Figure E-74. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O05-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

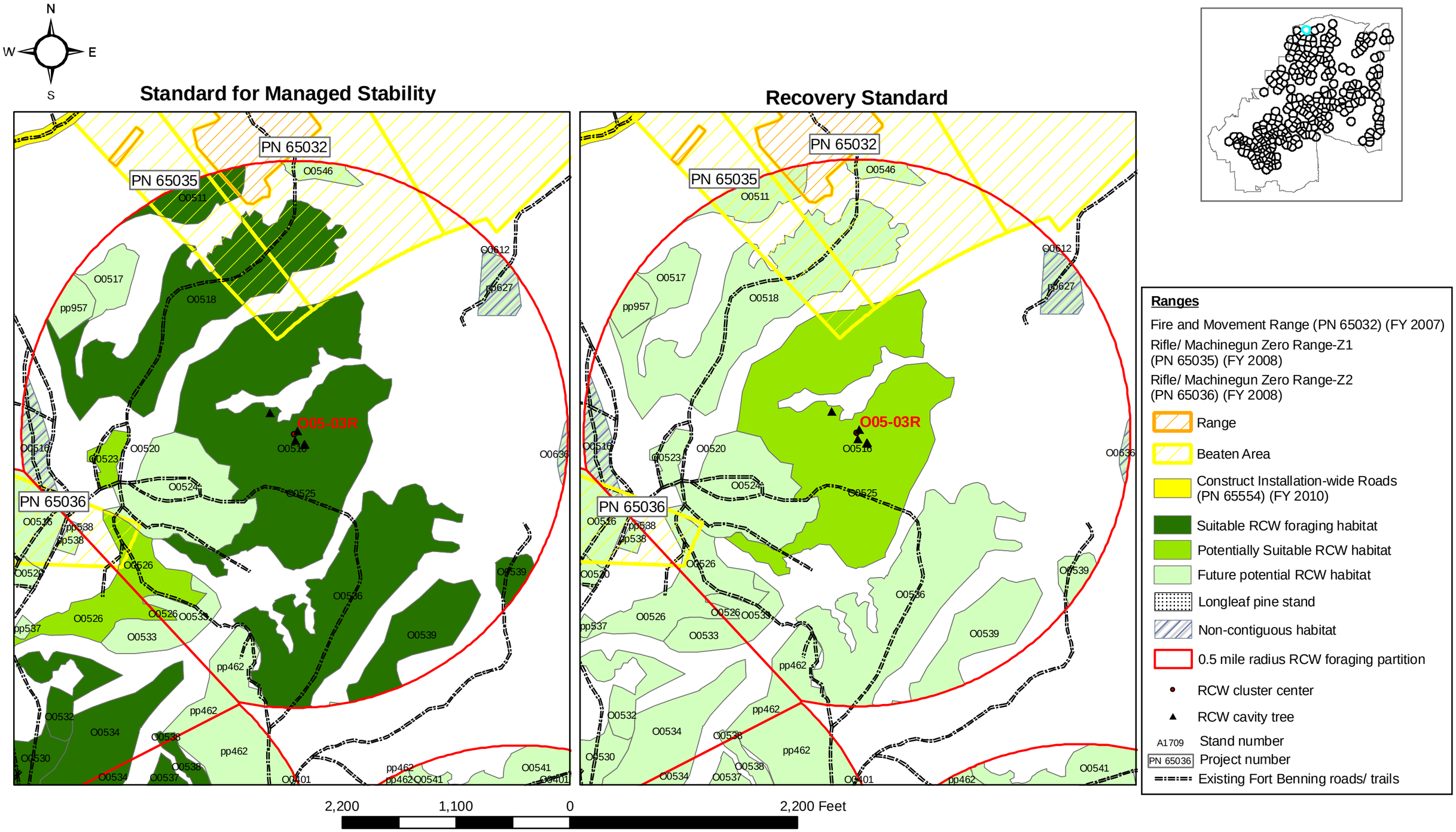

Figure E-75. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O05-03R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

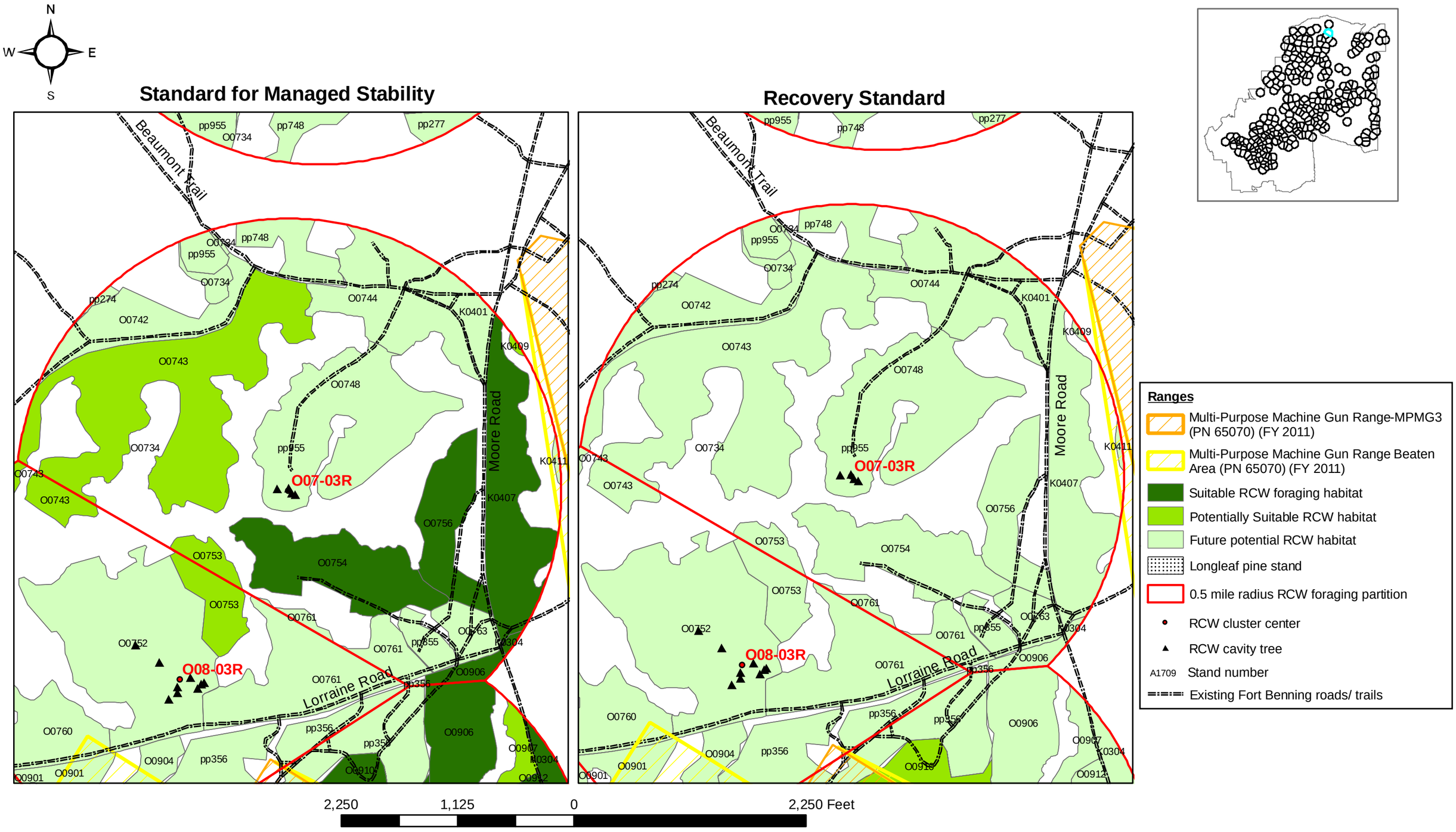

Figure E-76. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O07-03R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

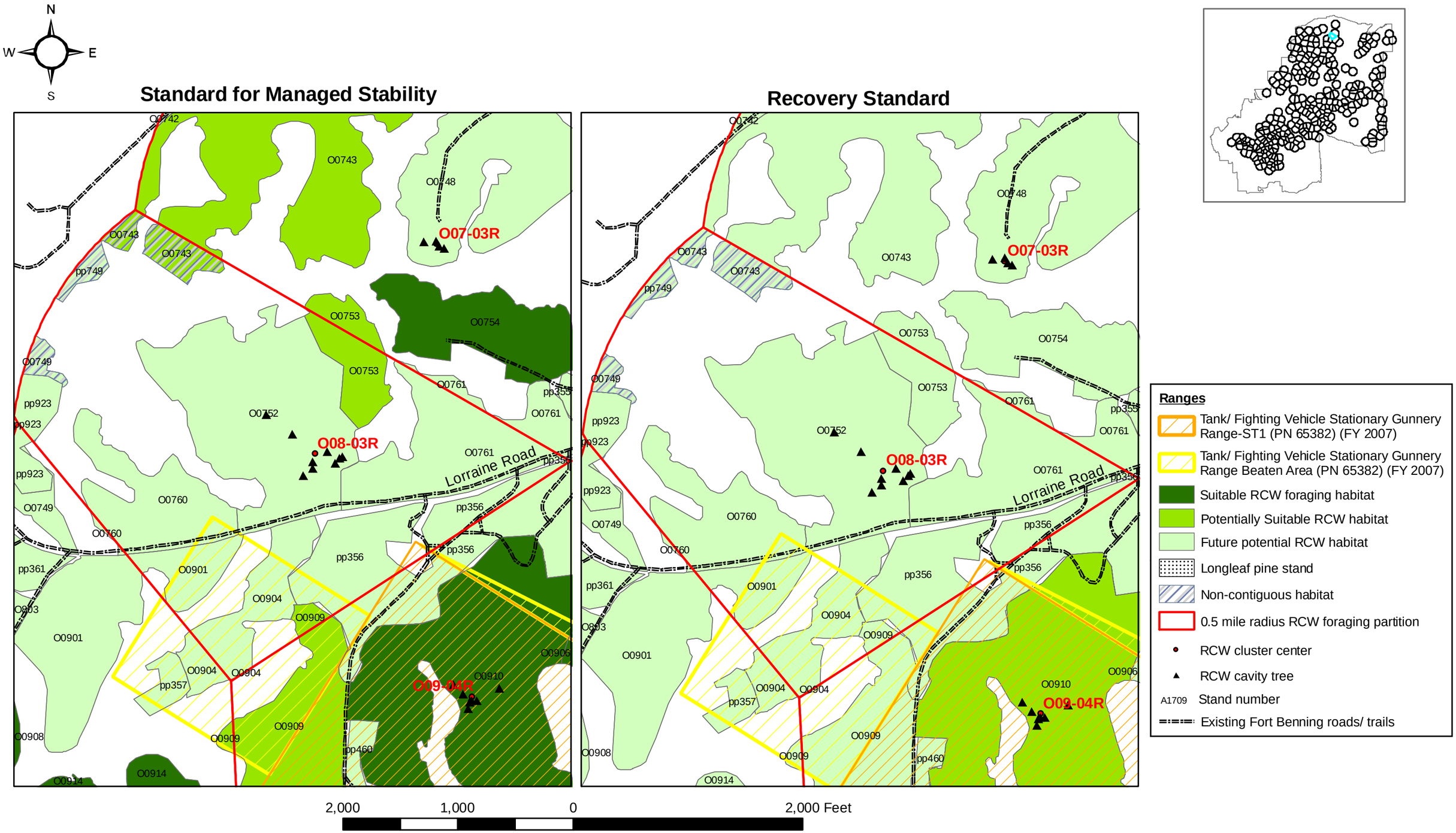

Figure E-77. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O08-03R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning Georgia.

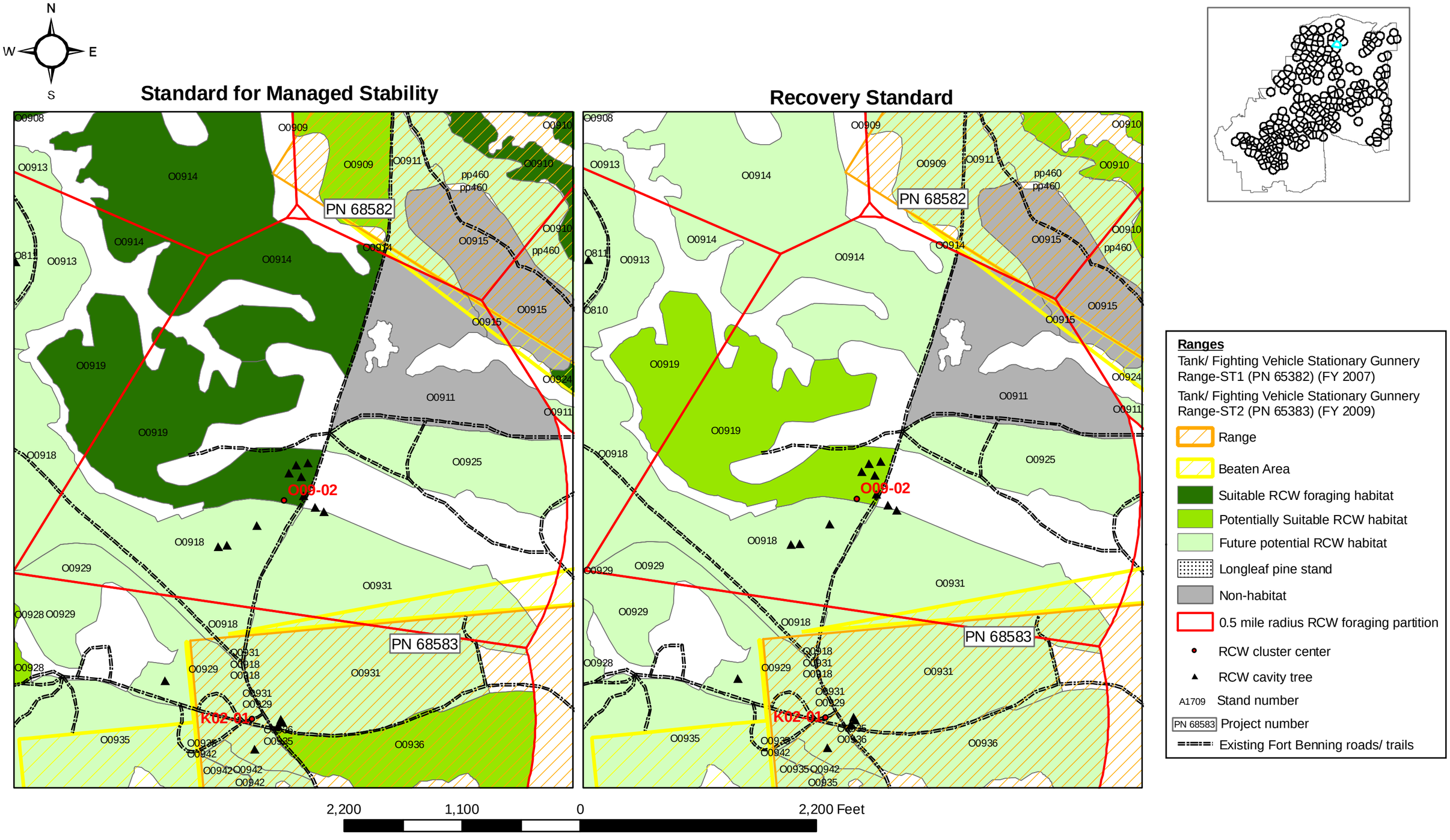

Figure E-78. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O09-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

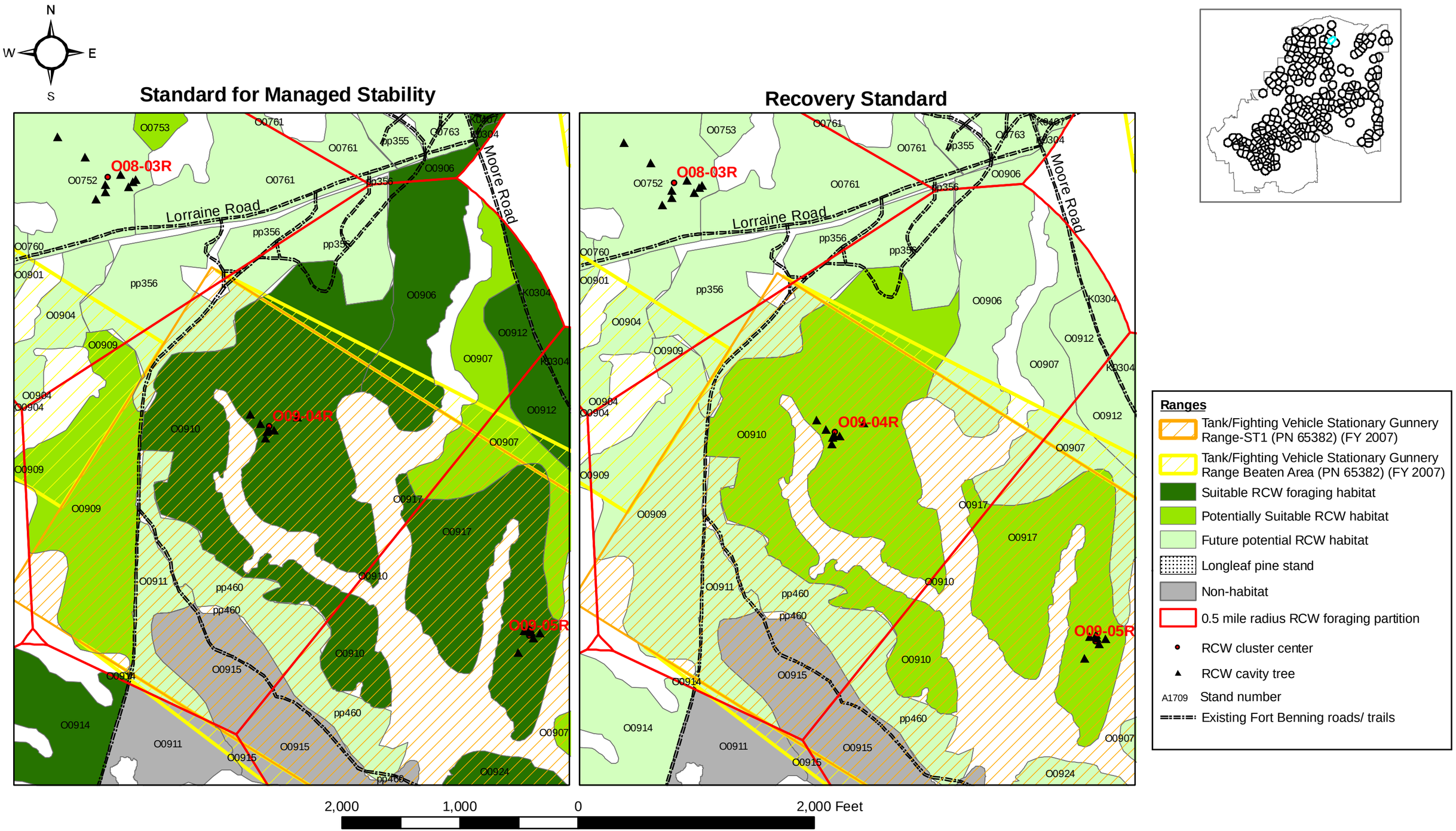

Figure E-79. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O09-04R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

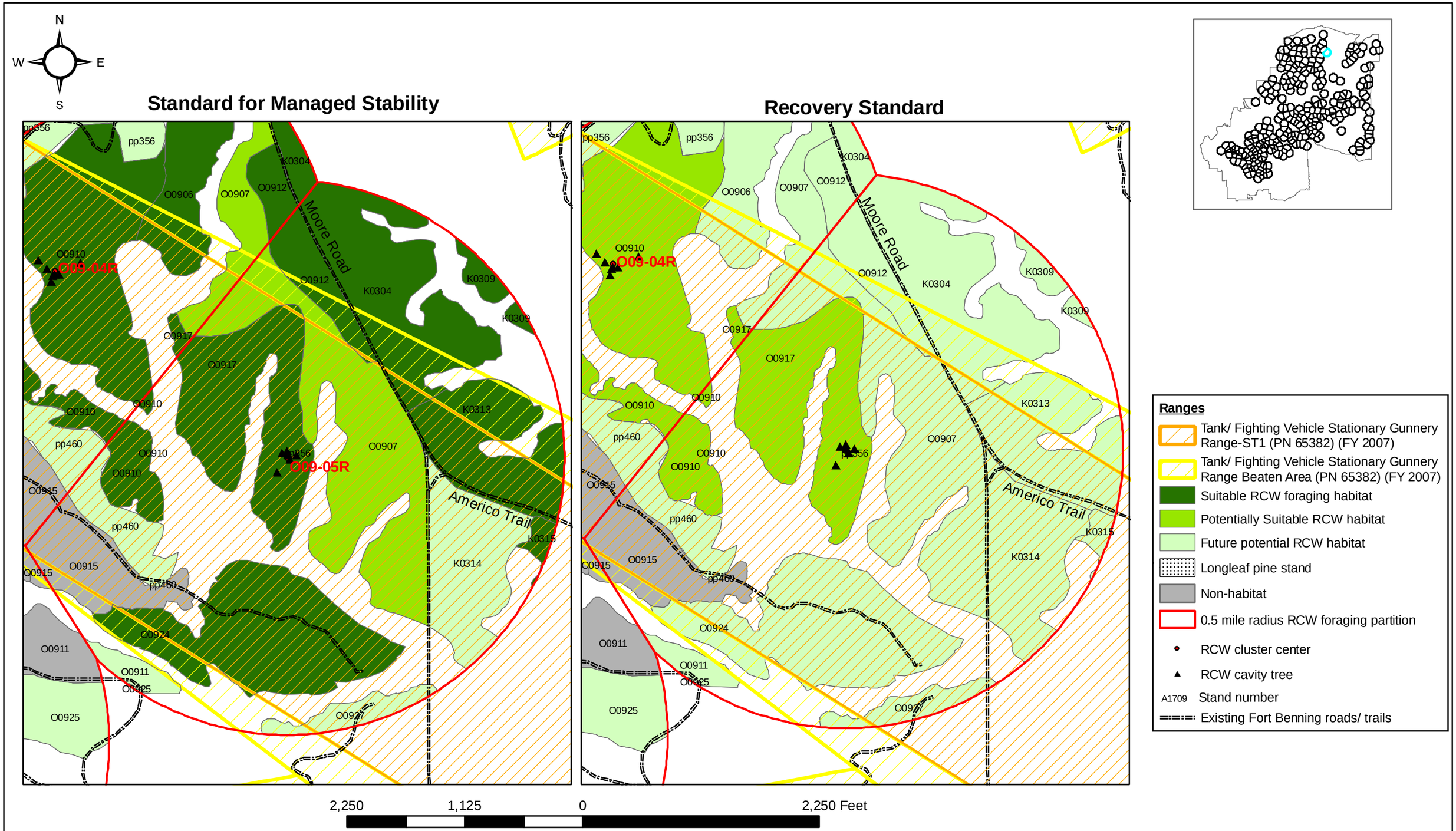

Figure E-80. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O09-05R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

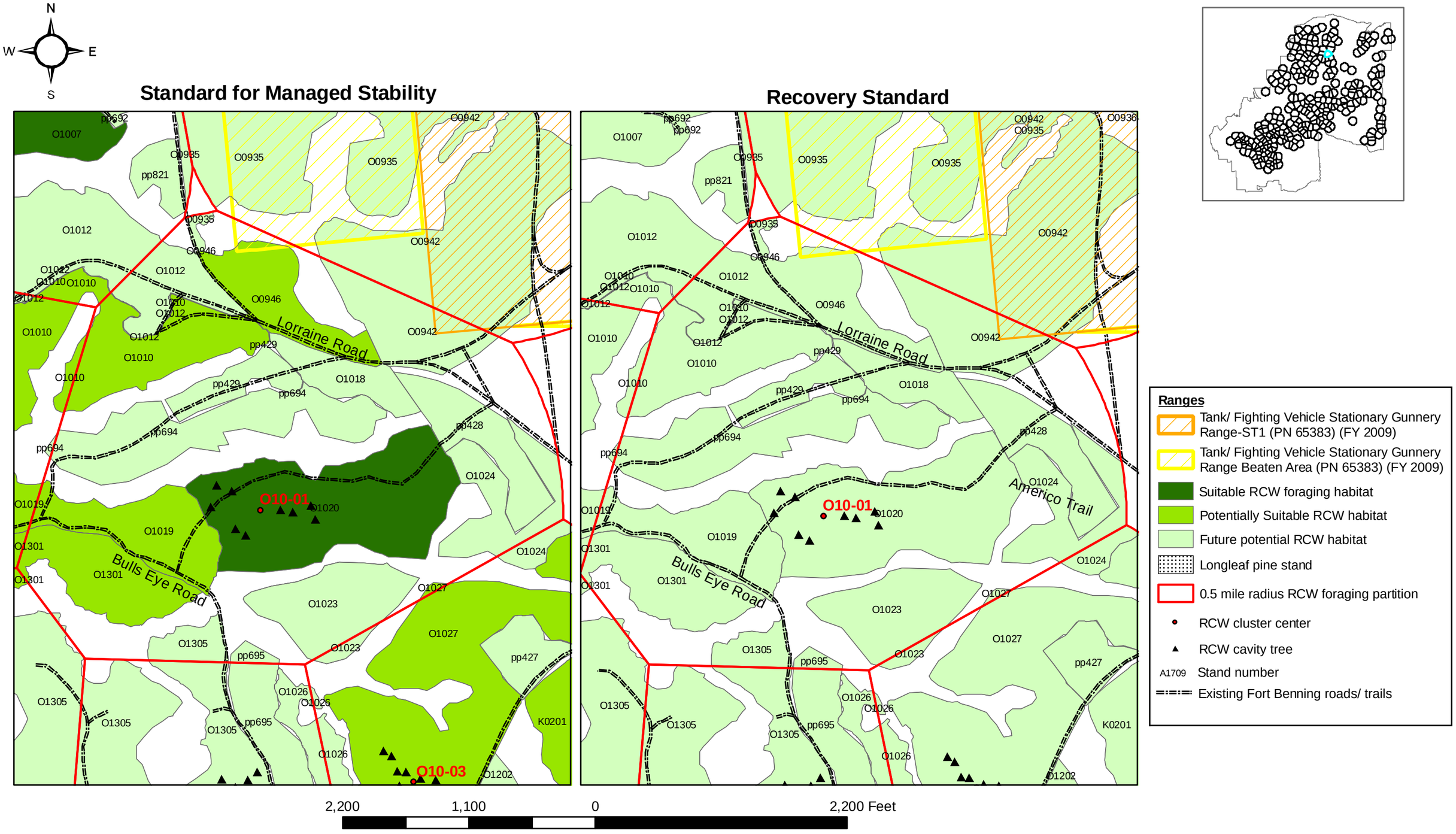

Figure E-81. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O10-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

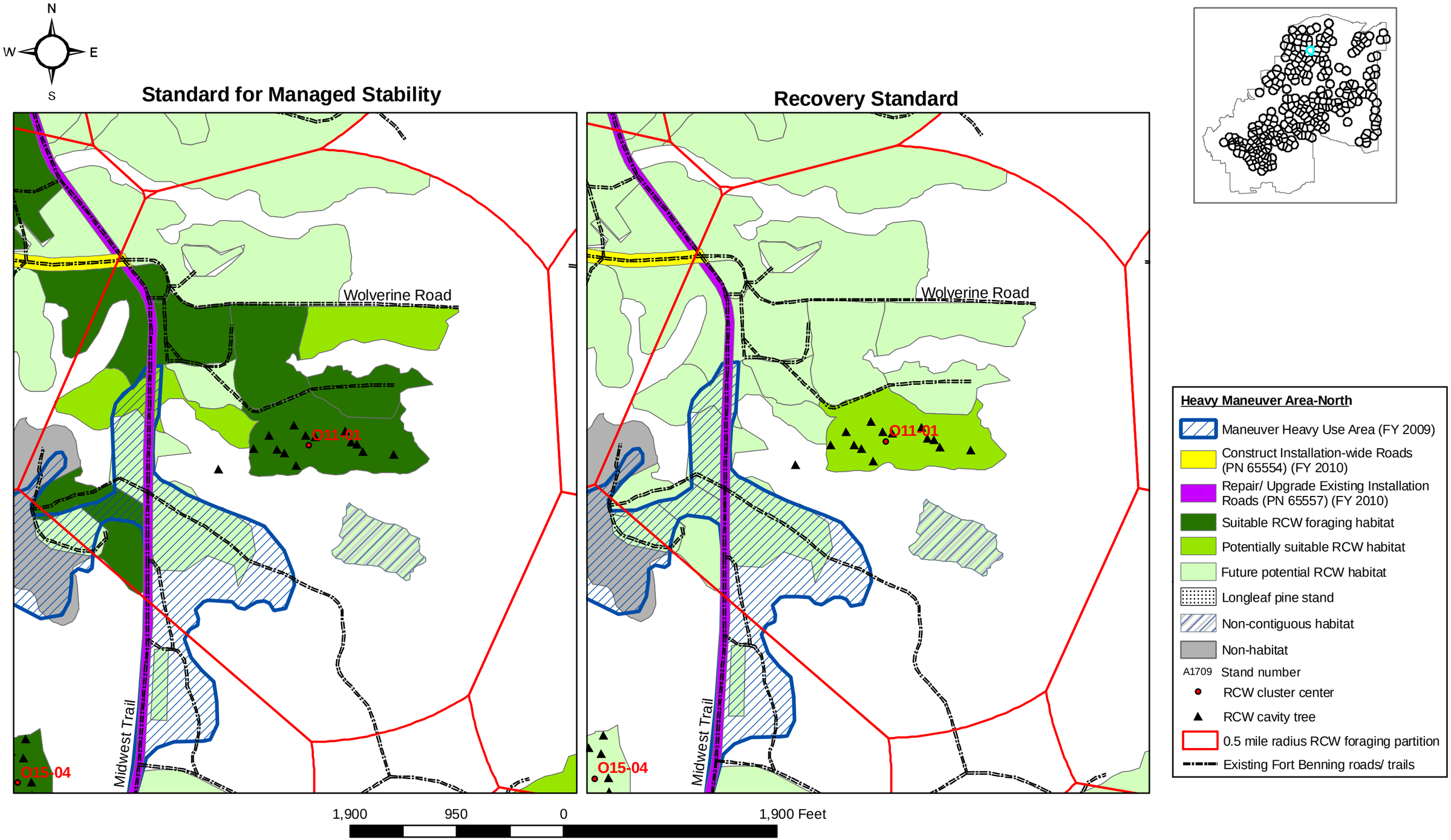

Figure E-82. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O11-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

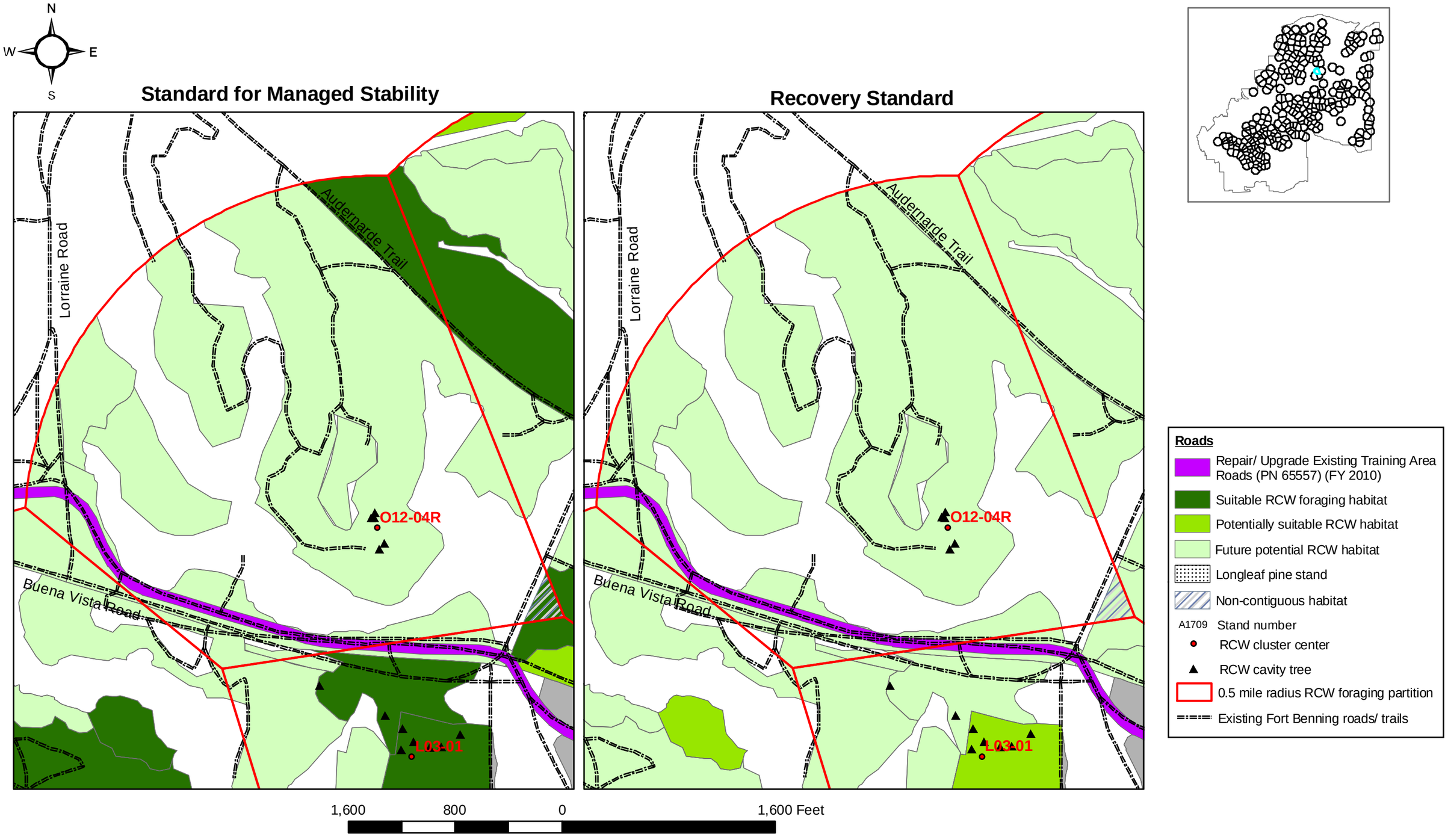

Figure E-83. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O12-04R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

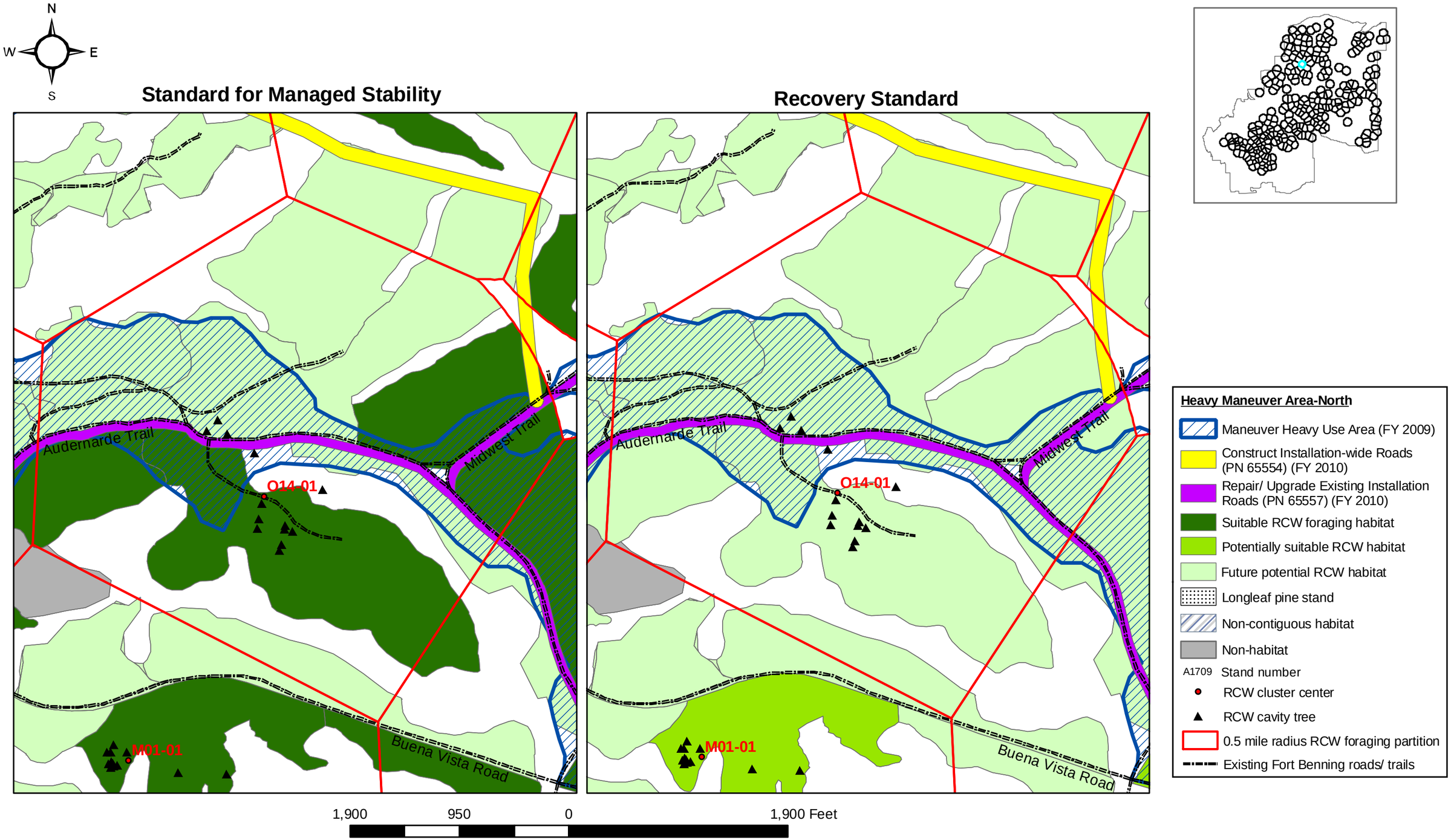

Figure E-84. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O14-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

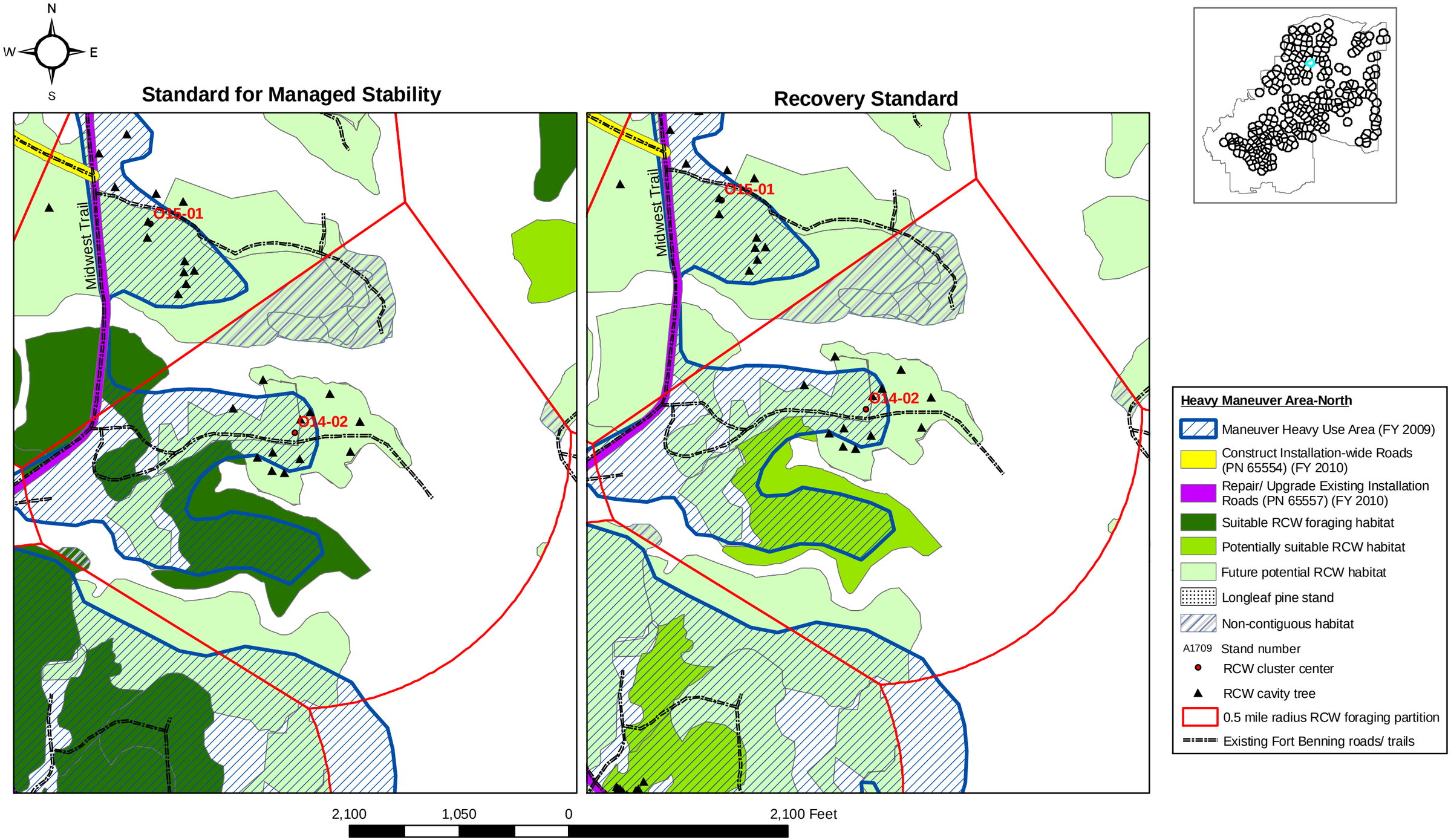

Figure E-85. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O14-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

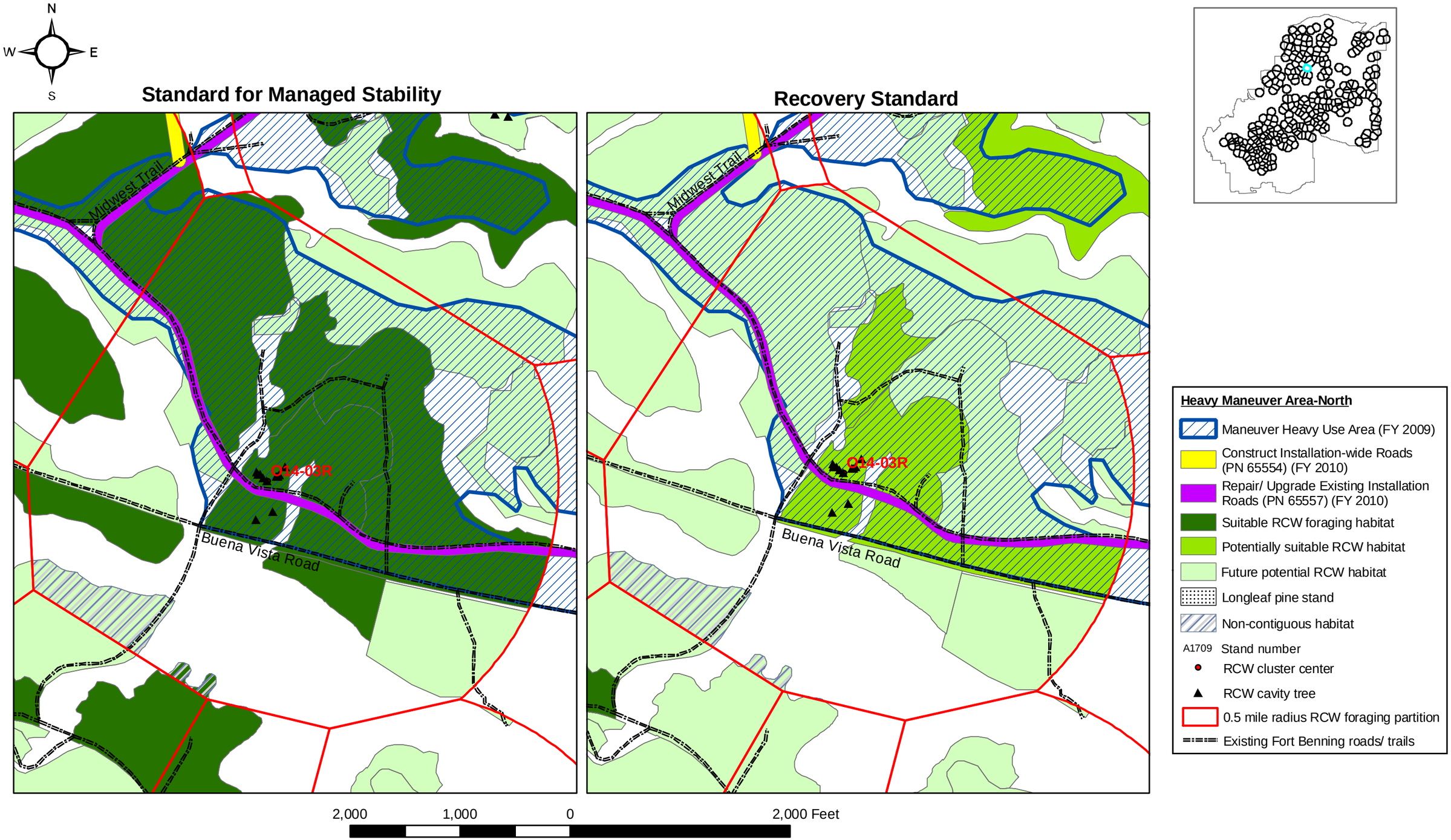

Figure E-86. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O14-03R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

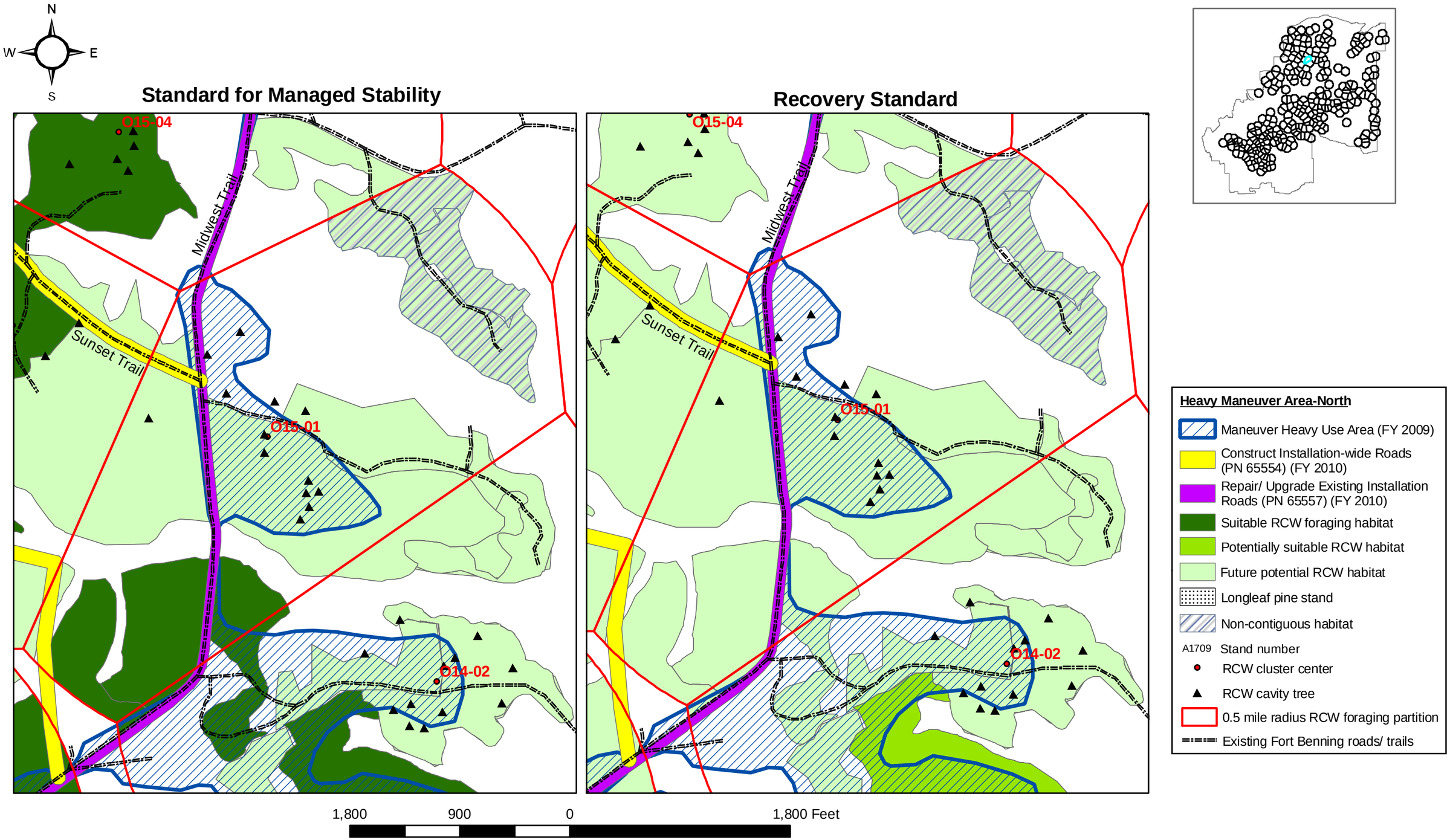

Figure E-87. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O15-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

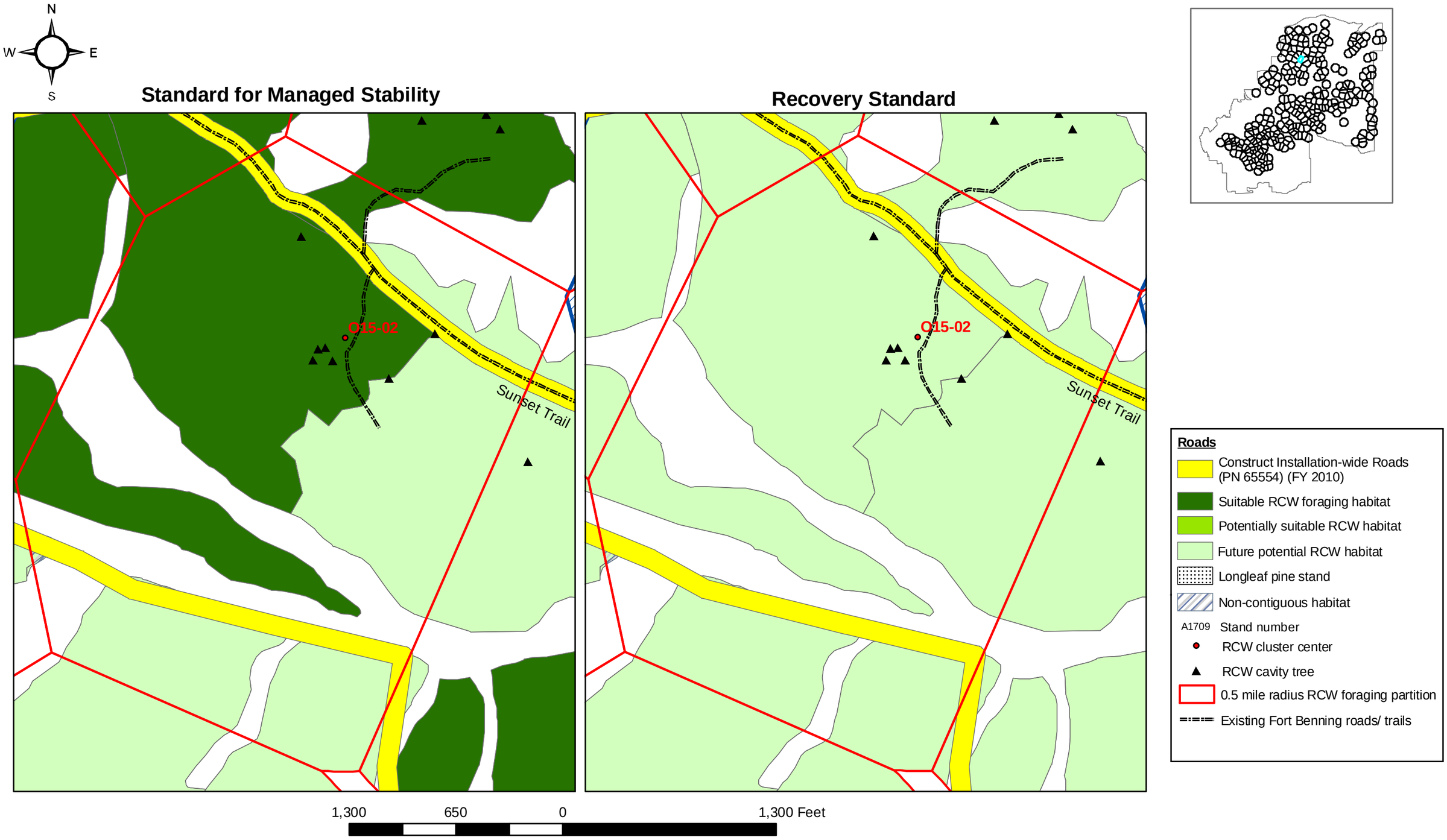

Figure E-88. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O15-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

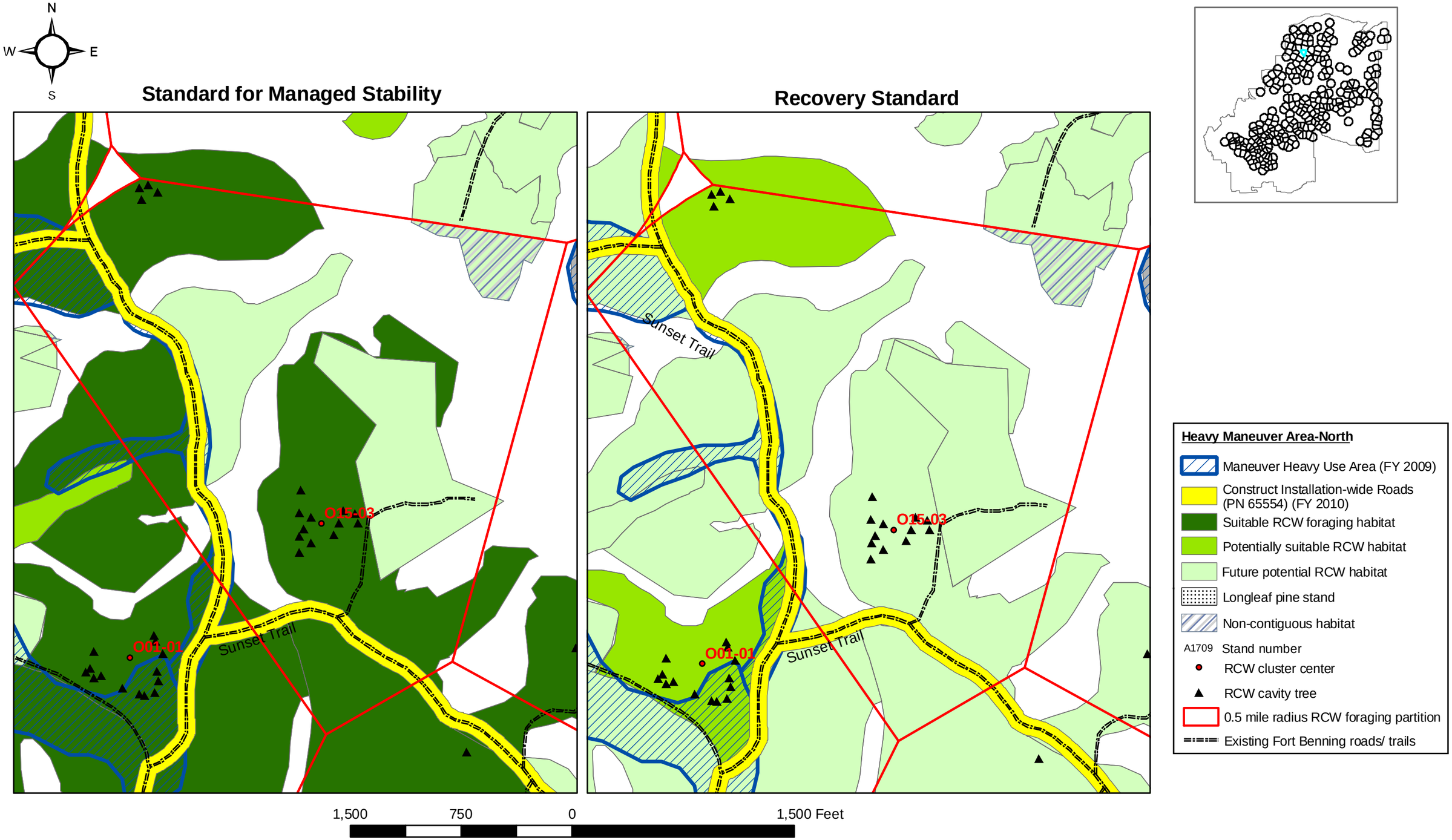

Figure E-89. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O15-03** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

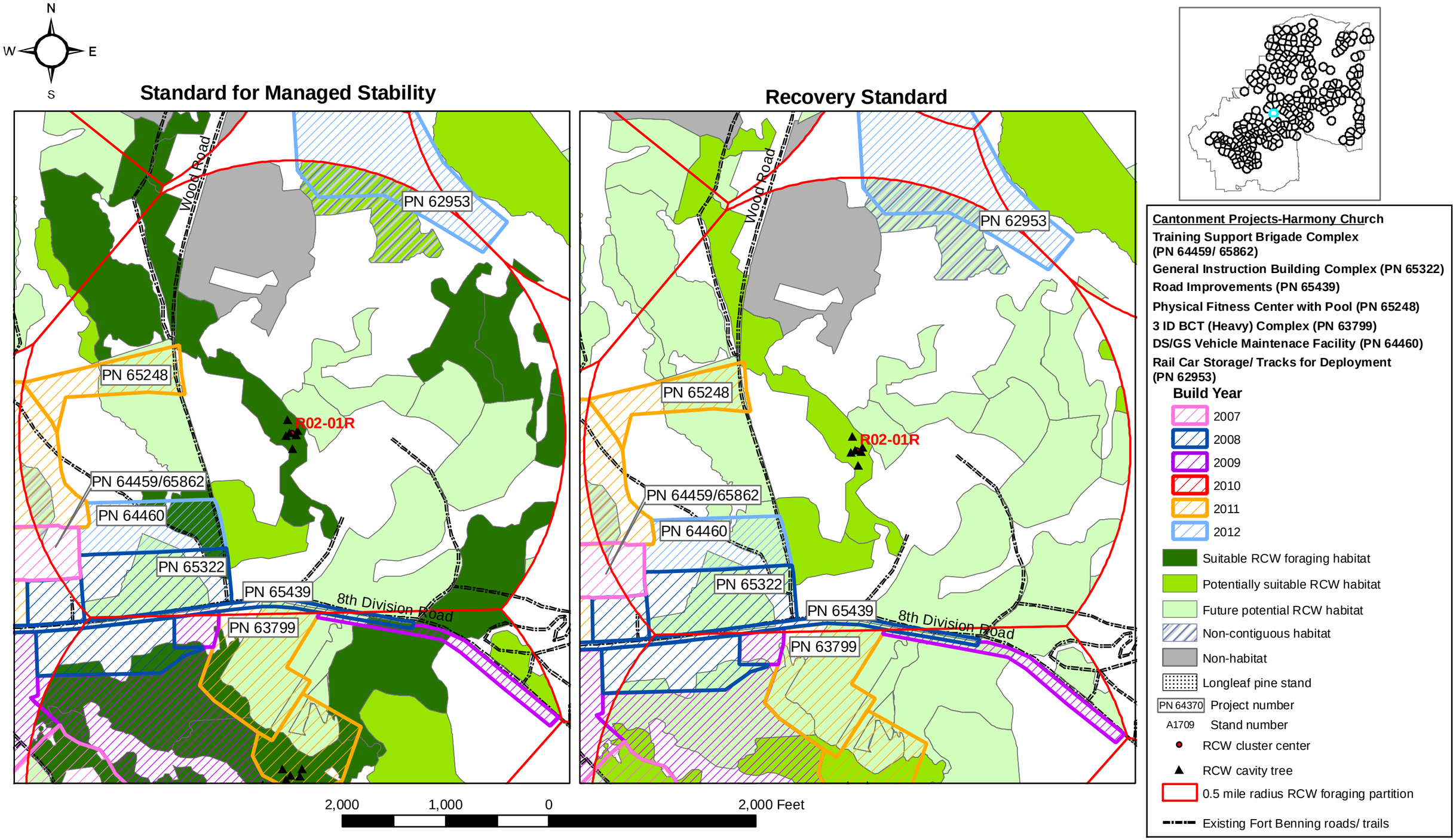

Figure E-90. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **R02-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

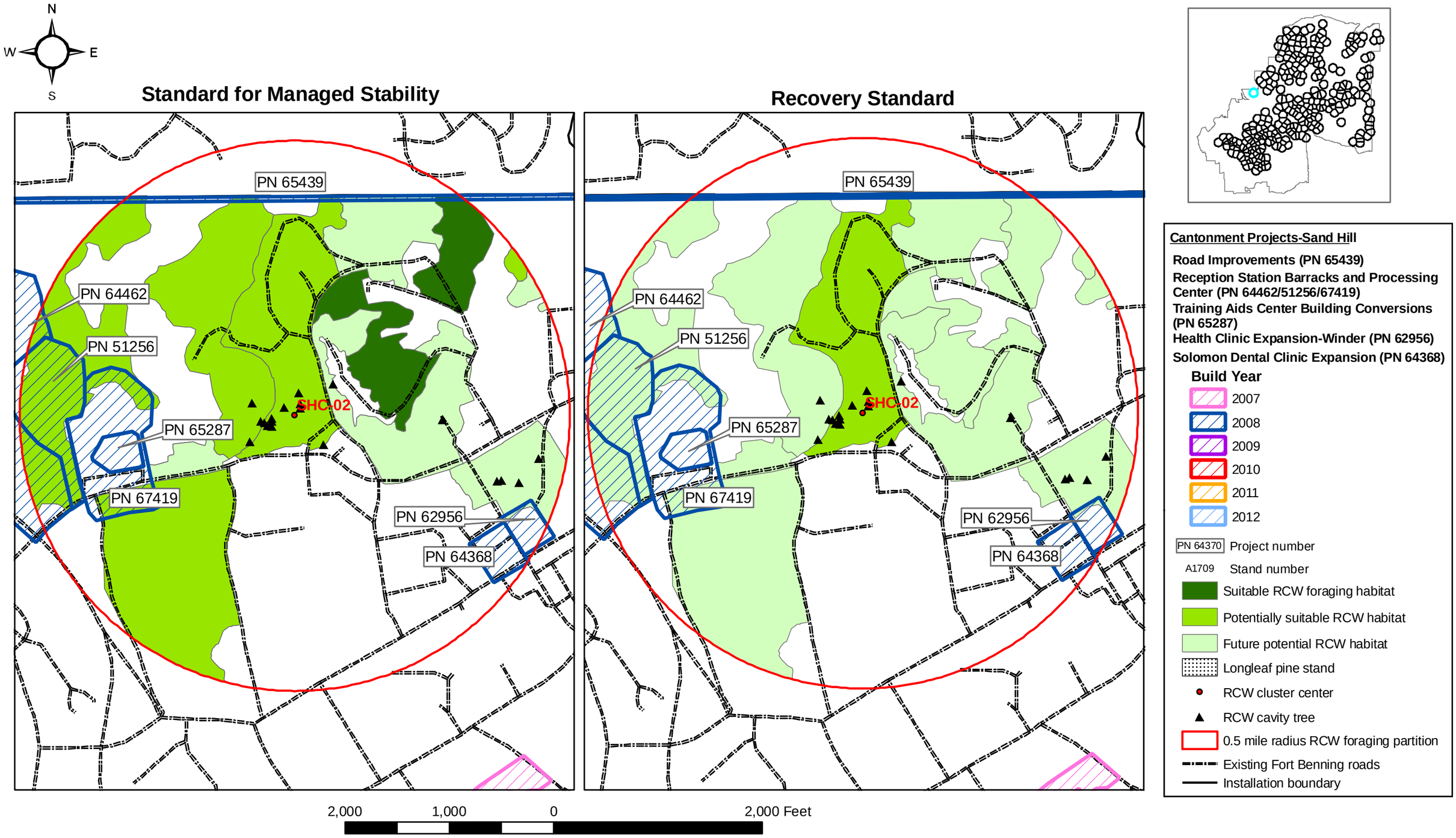

Figure E-91. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **SHC-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

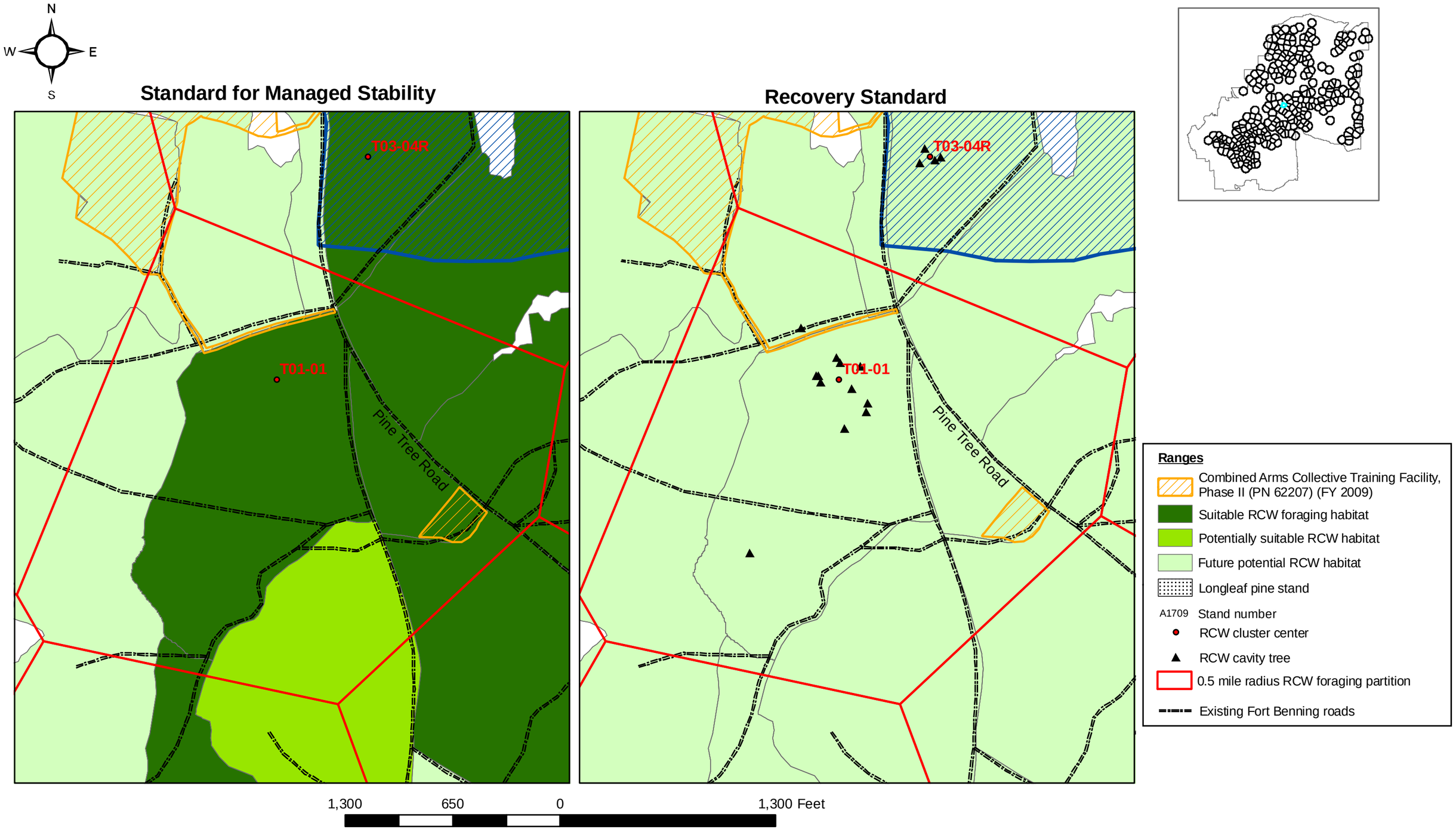

Figure E-92. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **T01-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

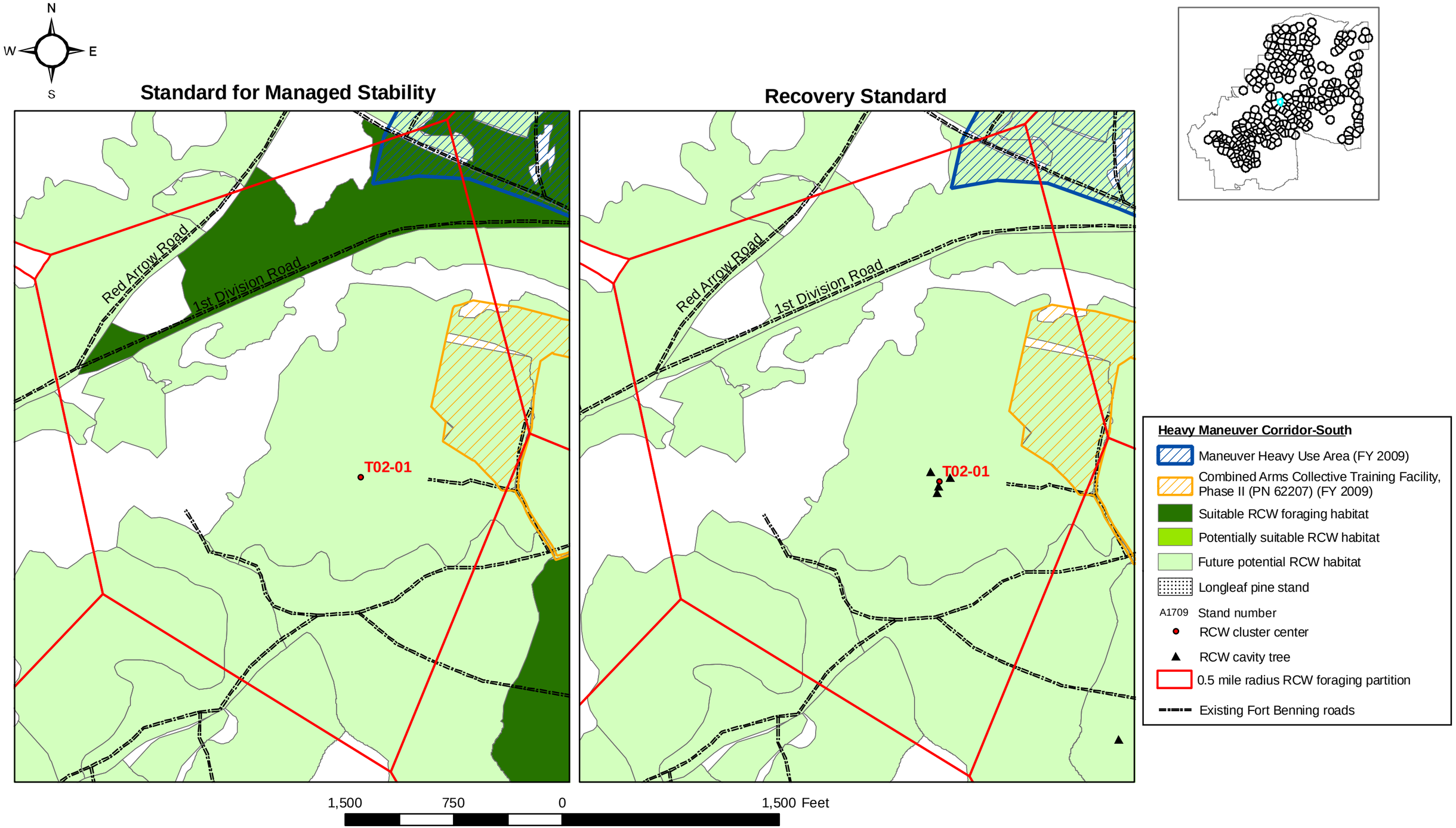

Figure E-93. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **T02-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

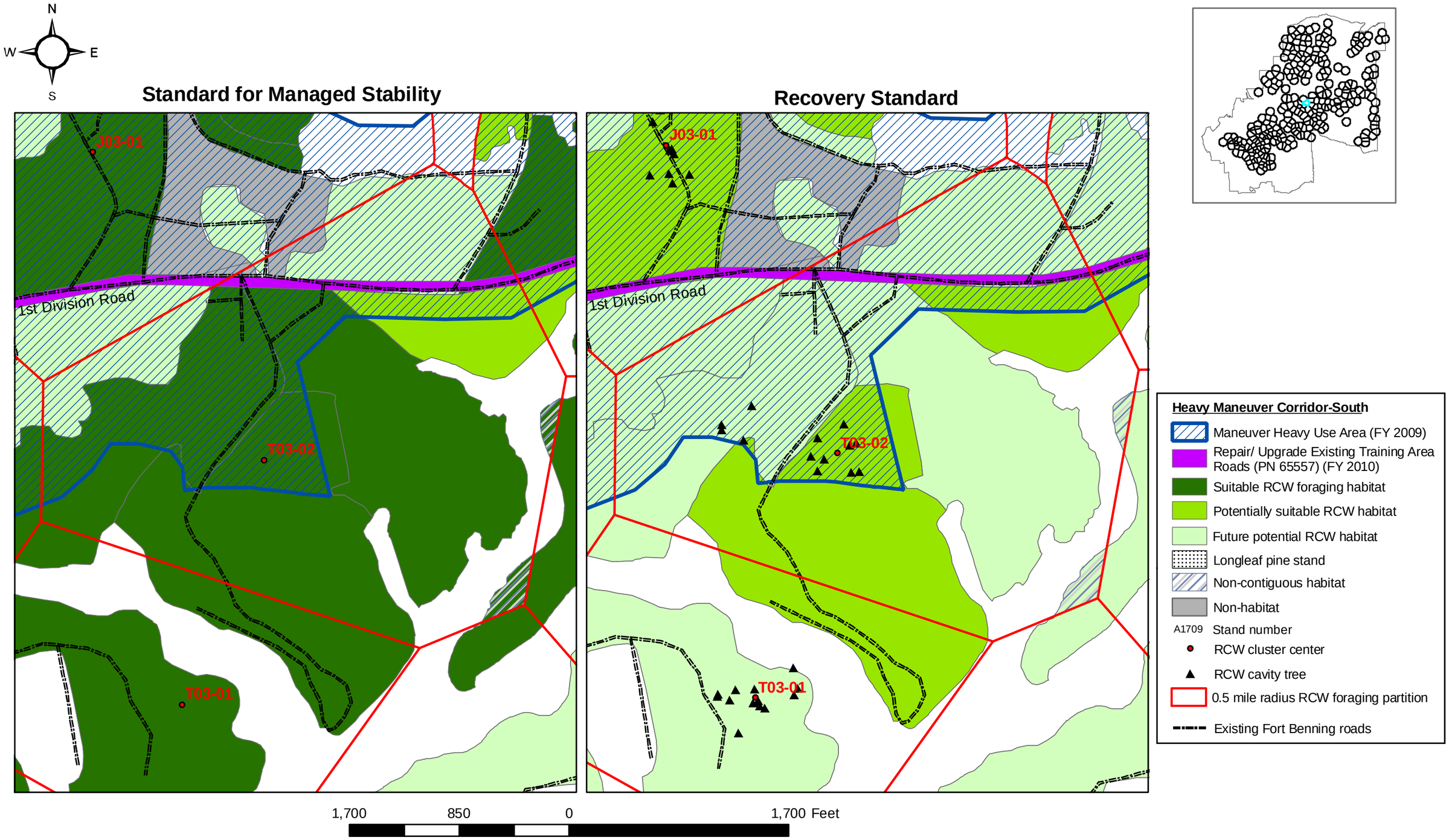

Figure E-94. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **T03-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

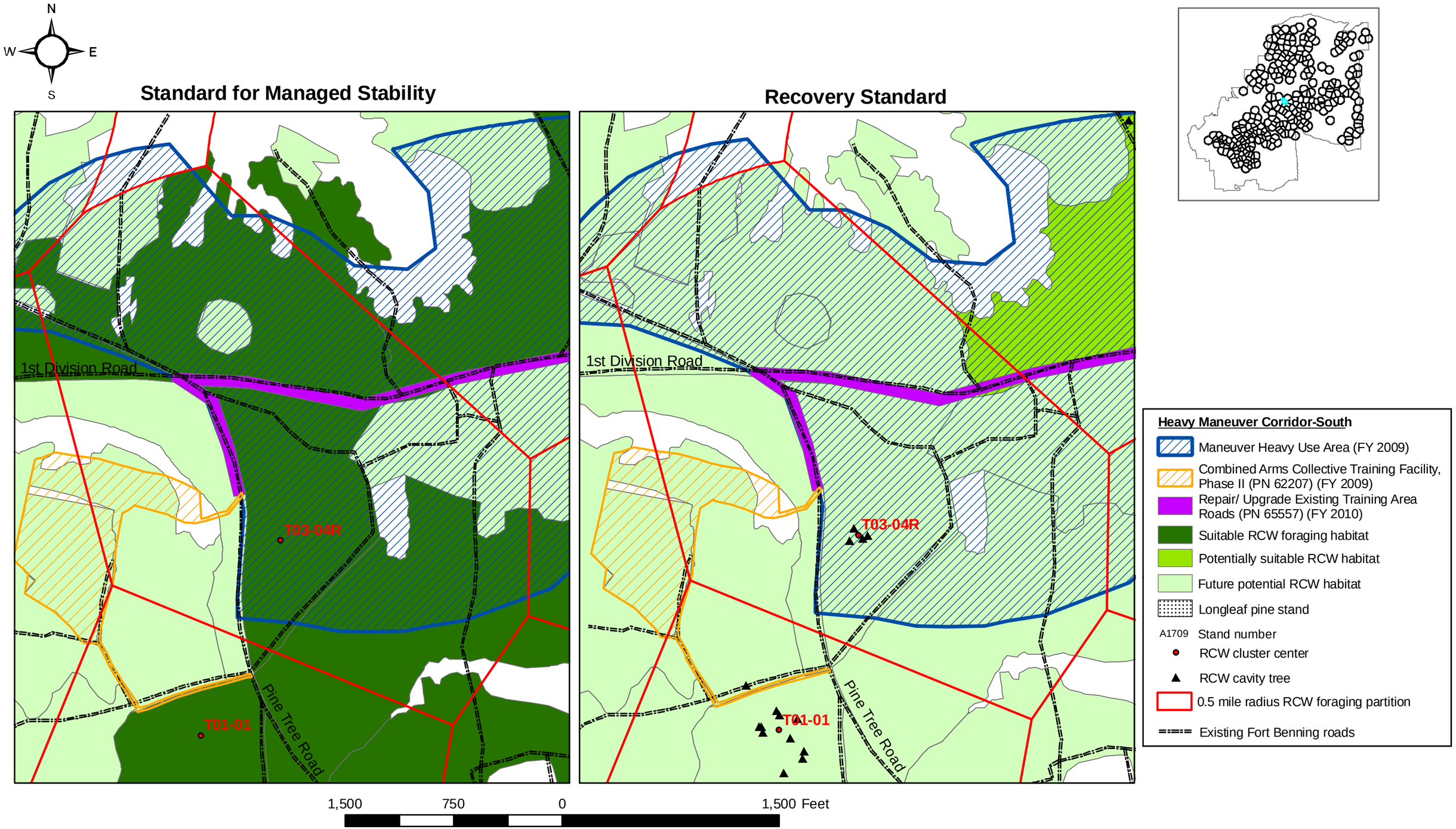

Figure E-95. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **T03-04R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

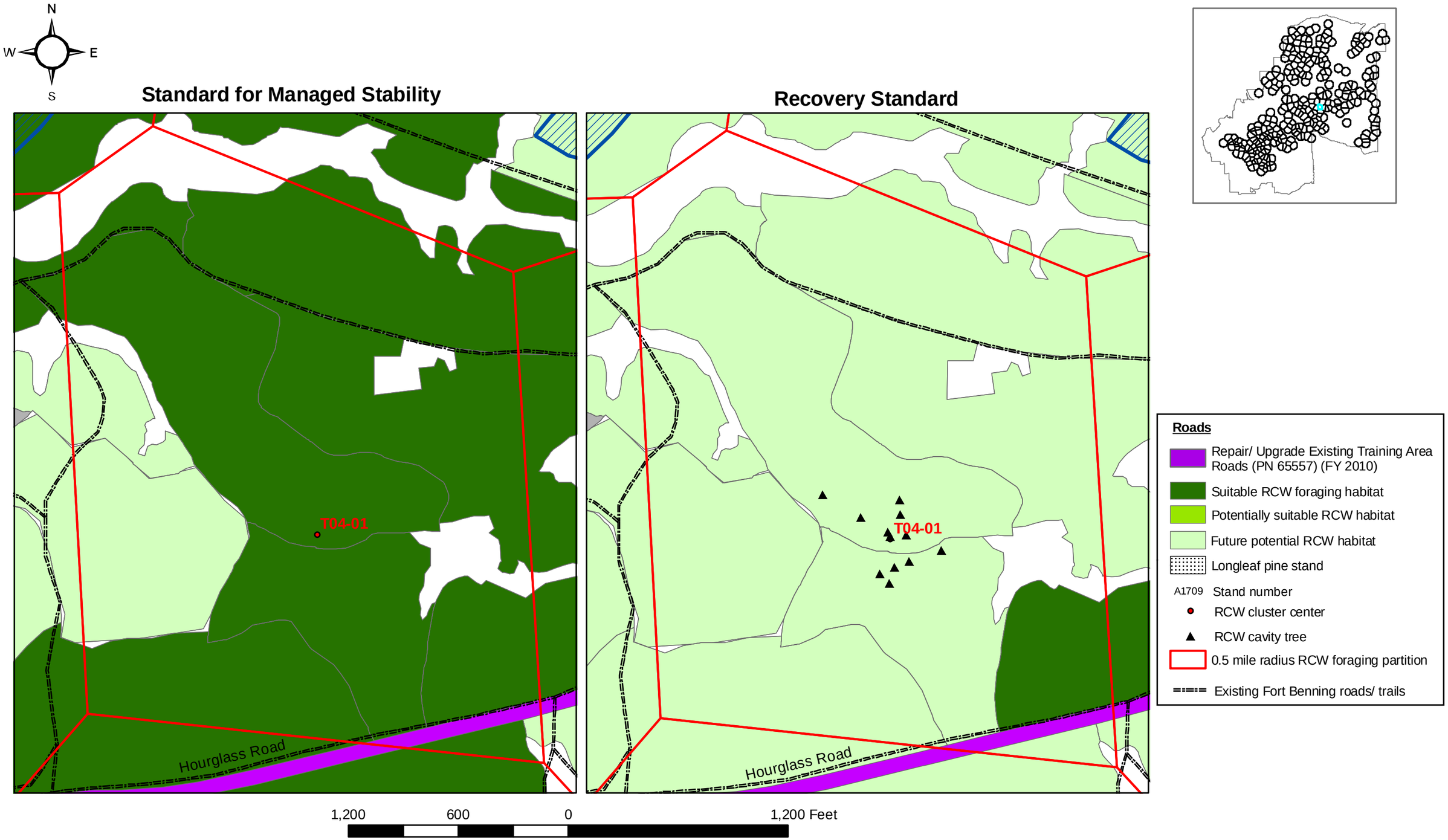

Figure E-96. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **T04-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

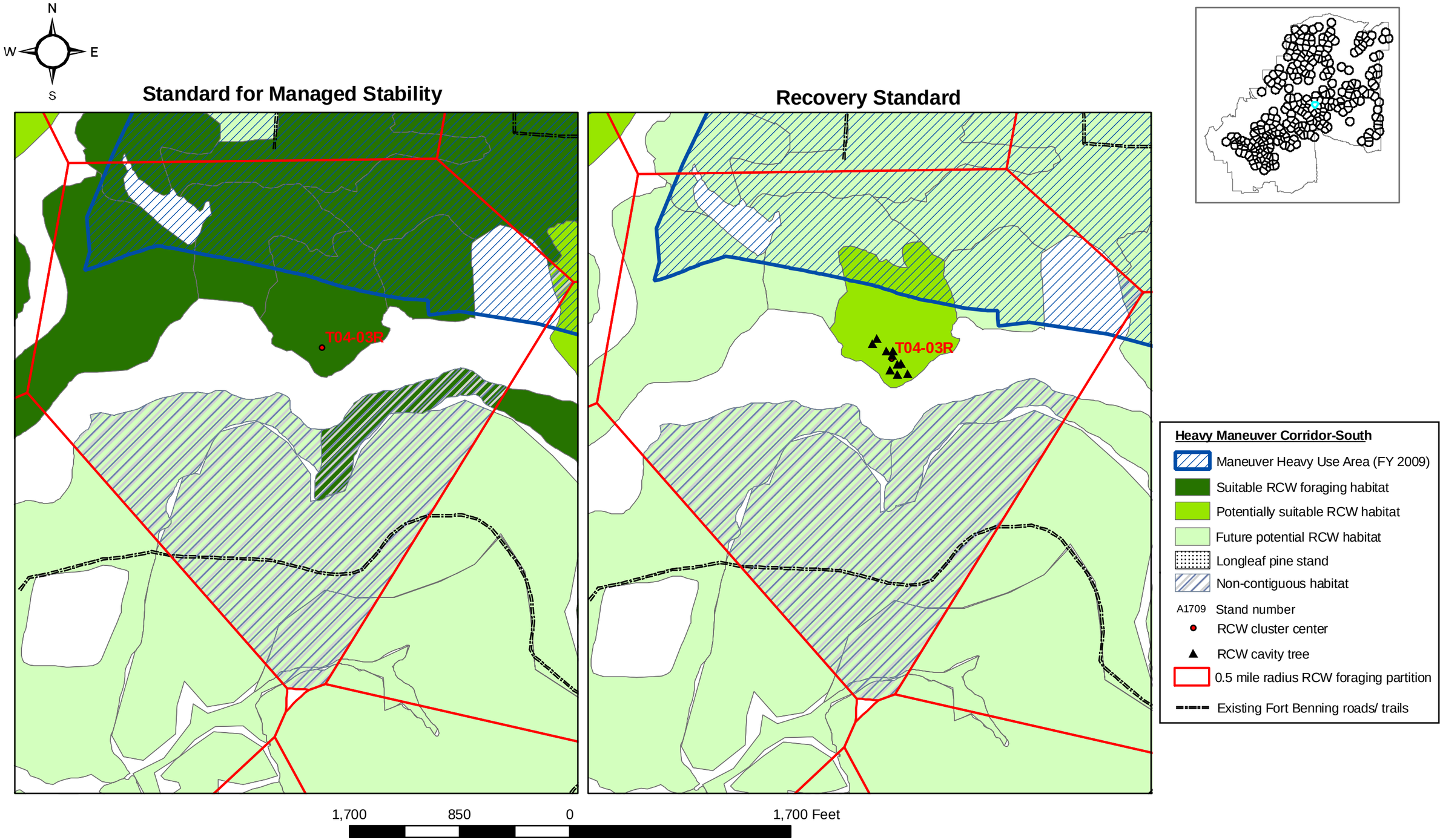

Figure E-97. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **T04-03R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

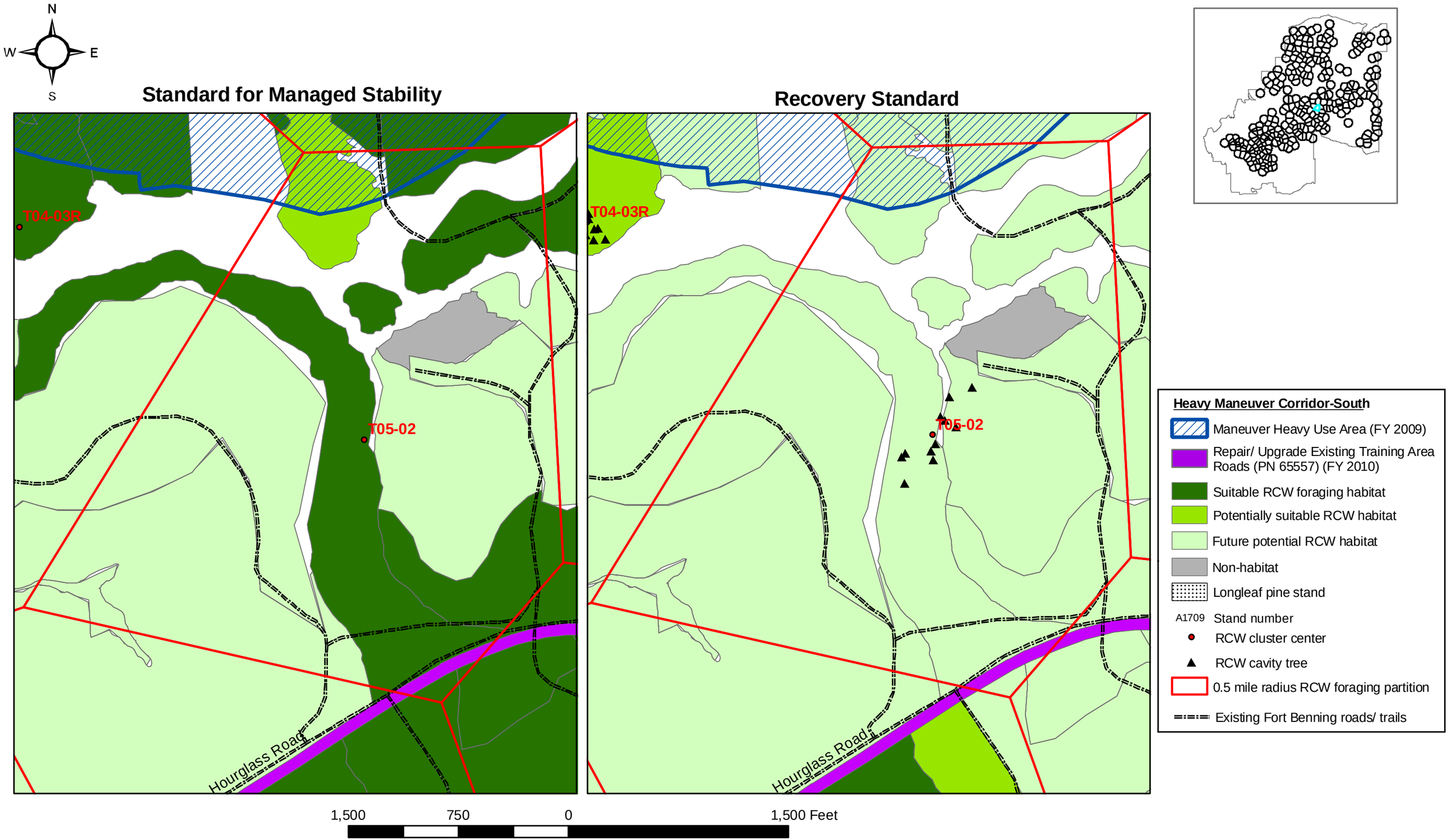

Figure E-98. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **T05-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

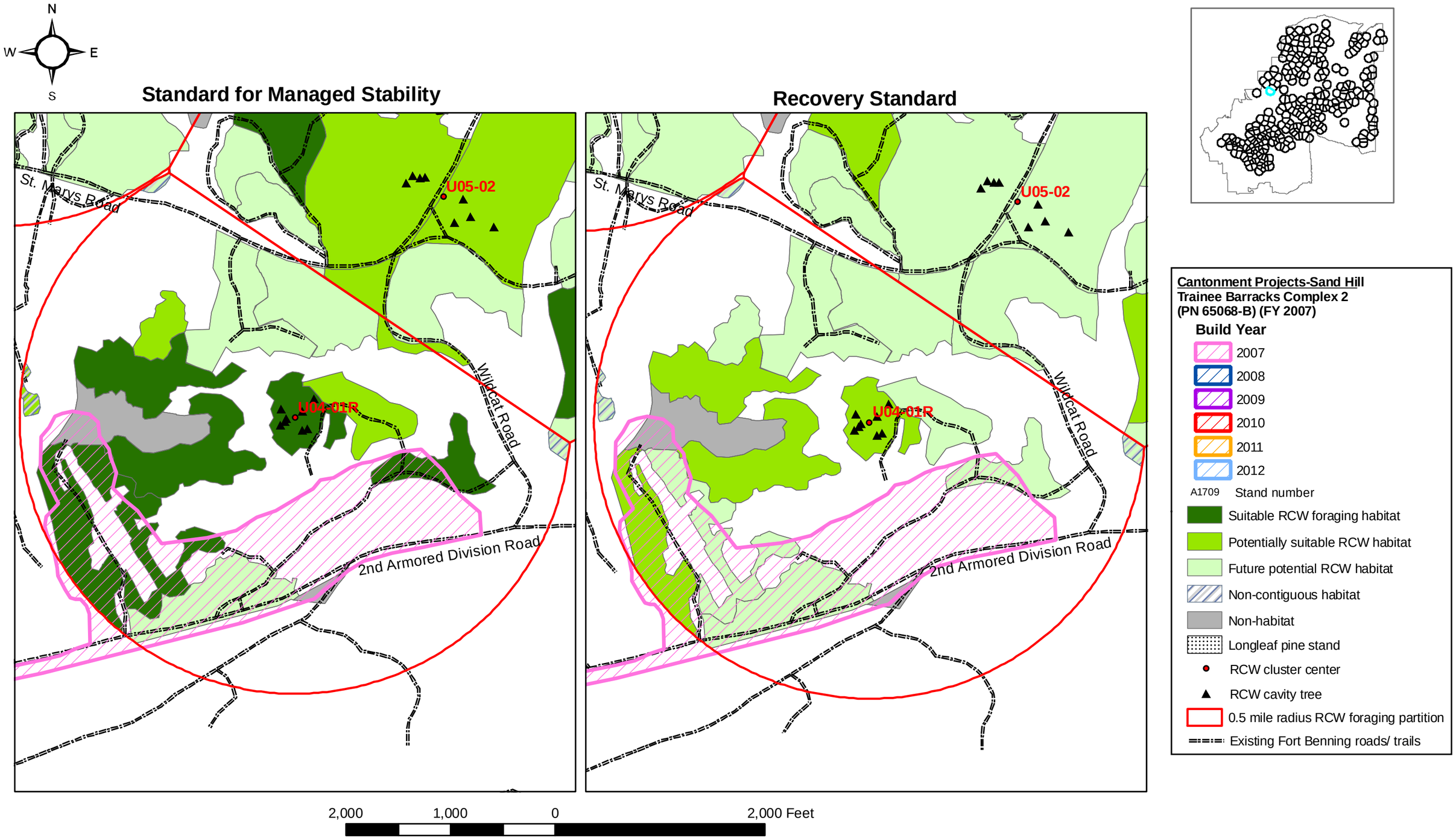

Figure E-99. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **U04-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative A Transformation projects, Fort Benning, Georgia.

APPENDIX F

STANDARD FOR MANAGED STABILITY (SMS) AND RECOVERY STANDARD (RS) RED-COCKADED WOODPECKER (RCW) FORAGING ANALYSES TABLES – ALTERNATIVE B

Table F-1. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A06-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0613	153.92	56	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	1	153.92	7,080.32				
A0615	16.37	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	0					0.00	0.00
A0701	1.36	13	21	28.38	10.00	40.55	30.00	12.91	15.00	0.00	0.00	0.00	0.00	45.00	55.00	5	30	0	3	2	0					1.36	61.20
A0706	31.26	55	25	42.34	12.00	17.22	12.50	5.72	8.50	9.97	2.18	1.51	4.50	21.00	37.50	1	43	14	3	2	0					31.26	656.46
A0713	1.21	53	31	5.93	2.00	9.51	7.50	5.41	8.00	2.98	2.23	4.32	7.50	15.50	25.00	1	47	31	3	2	0					1.21	18.76
	204.12																					**153.92**	**7,080.32**	**0.00**	**0.00**	**33.83**	**736.42**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0613	2008	65439	Road Improvements	0.18	8.28				
			TOTAL REMOVALS	**0.18**	**8.28**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT	**2008**	
	Acres	**BA**
Suitable Habitat	**153.74**	**7,072.04**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**33.83**	**736.42**
TOTAL	**187.57**	**7,808.46**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
25 = Mixed Pine
31 = Loblolly Pine
NM = not managed

Table F-2. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A06-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0613	153.92	56	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	3.61	PS					153.92	7,080.32
A0615	16.37	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	1.90	NH					0.00	0.00
A0701	1.36	13	21	28.38	10.00	40.55	30.00	12.91	15.00	0.00	0.00	0.00	0.00	45.00	55.00	5	30	0	3	2	3.00	NH					1.36	61.20
A0706	31.26	55	25	42.34	12.00	17.22	12.50	5.72	8.50	9.97	2.18	1.51	4.50	21.00	37.50	1	43	14	3	2	3.44	PS					31.26	656.46
A0713	1.21	53	31	5.93	2.00	9.51	7.50	5.41	8.00	2.98	2.23	4.32	7.50	15.50	25.00	1	47	31	3	2	3.47	PS					1.21	18.76
	204.12																						**0.00**	**0.00**	**0.00**	**0.00**	**187.75**	**7,816.74**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0613	2008	65439	Road Improvements					0.18	8.28
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**0.18**	**8.28**

POST-PROJECT	**2008**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**187.57**	**7,808.46**
TOTAL	**187.57**	**7,808.46**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
25 = Mixed Pine
31 = Loblolly Pine
NM = not managed

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Table F-3. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A07-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0706	17.24	55	25	42.34	12.00	17.22	12.50	5.72	8.50	9.97	2.18	1.51	4.50	21.00	37.50	1	43	14	3	2	0					17.24	362.04
A0708	74.17	72	21	23.62	6.00	12.48	8.50	12.47	20.50	3.84	2.34	0.70	2.50	29.00	37.50	1	41	11	3	2	0					74.17	2,150.93
A0709	52.60	53	31	31.84	9.47	20.81	15.26	9.63	13.16	8.74	0.00	2.04	4.21	28.42	42.11	1	22	6	3	2	0					52.60	1,494.89
A0711	16.55	48	26	34.26	10.00	29.29	20.00	10.07	14.00	7.44	0.00	0.23	0.50	34.00	44.50	1	43	1	3	1	0	16.55	562.70				
A0713	6.77	53	31	5.93	2.00	9.51	7.50	5.41	8.00	2.98	2.23	4.32	7.50	15.50	25.00	1	47	31	3	2	0					6.77	104.94
A0715	2.01	90	21	30.53	11.00	29.41	21.00	18.01	25.00	8.35	2.15	3.62	6.50	46.00	63.50	1	27	11	3	2	1	2.01	92.46				
A0716	13.13	23	57*	16.77	4.00	4.19	3.00	0.00	0.00	31.20	9.94	4.57	12.00	3.00	19.00	1	24	78	3	2	0					0.00	0.00
A0717	1.90	74	21	17.40	5.00	18.37	13.50	13.11	19.00	9.41	0.00	1.38	3.00	32.50	40.50	1	19	4	3	2	0	1.90	61.75				
A0720	15.11	38	31	23.87	8.00	31.91	22.50	12.73	17.00	0.00	0.00	0.00	0.00	39.50	47.50	1	42	0	3	1	0	15.11	596.85				
	199.48																					**35.57**	**1,313.76**	**0.00**	**0.00**	**150.78**	**4,112.80**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0708	2008	65439	Road Improvements					0.04	1.16
			2008 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**0.04**	**1.16**
A0708	2009	n/a	Tank Trail Construction					1.06	30.74
A0709	2009	n/a	Tank Trail Construction					2.52	71.62
A0711	2009	n/a	Tank Trail Construction	1.47	49.98				
			2009 SUB-TOTAL	**1.47**	**49.98**	**0.00**	**0.00**	**3.58**	**102.36**
			TOTAL REMOVALS	**1.47**	**49.98**	**0.00**	**0.00**	**3.62**	**103.52**

POST-PROJECT

	2008		2009	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**35.57**	**1,313.76**	**34.10**	**1,263.78**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**150.74**	**4,111.64**	**147.16**	**4,009.28**
TOTAL	**186.31**	**5,425.40**	**181.26**	**5,273.06**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57* = Scrub Oak (not managed)

Table F-4. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A07-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0706	17.24	55	25	42.34	12.00	17.22	12.50	5.72	8.50	9.97	2.18	1.51	4.50	21.00	37.50	1	43	14	3	2	3.44	PS					17.24	362.04
A0708	74.17	72	21	23.62	6.00	12.48	8.50	12.47	20.50	3.84	2.34	0.70	2.50	29.00	37.50	1	41	11	3	2	4.27	PS					74.17	2,150.93
A0709	52.60	53	31	31.84	9.47	20.81	15.26	9.63	13.16	8.74	0.00	2.04	4.21	28.42	42.11	1	22	6	3	2	3.63	PS					52.60	1,494.89
A0711	16.55	48	26	34.26	10.00	29.29	20.00	10.07	14.00	7.44	0.00	0.23	0.50	34.00	44.50	1	43	1	3	1	3.56	PS					16.55	562.70
A0713	6.77	53	31	5.93	2.00	9.51	7.50	5.41	8.00	2.98	2.23	4.32	7.50	15.50	25.00	1	47	31	3	2	3.47	PS					6.77	104.94
A0715	2.01	90	21	30.53	11.00	29.41	21.00	18.01	25.00	8.35	2.15	3.62	6.50	46.00	63.50	1	27	11	3	2	4.43	PS			2.01	92.46		
A0716	13.13	23	57*	16.77	4.00	4.19	3.00	0.00	0.00	31.20	9.94	4.57	12.00	3.00	19.00	1	24	78	3	2	2.56	NH					0.00	0.00
A0717	1.90	74	21	17.40	5.00	18.37	13.50	13.11	19.00	9.41	0.00	1.38	3.00	32.50	40.50	1	19	4	3	2	3.99	PS					1.90	61.75
A0720	15.11	38	31	23.87	8.00	31.91	22.50	12.73	17.00	0.00	0.00	0.00	0.00	39.50	47.50	1	42	0	3	1	3.61	PS					15.11	596.85
	199.48																						**0.00**	**0.00**	**2.01**	**92.46**	**184.34**	**5,334.10**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name		Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0708	2008	65439	Road Improvements						0.04	1.16
				2008 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**0.04**	**1.16**
A0708	2009	n/a	Tank Trail Construction						1.06	30.74
A0709	2009	n/a	Tank Trail Construction						2.52	71.62
A0711	2009	n/a	Tank Trail Construction						1.47	49.98
				2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**5.05**	**152.34**
				TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**5.09**	**153.50**

POST-PROJECT	**2008**		**2009**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**2.01**	**92.46**	**2.01**	**92.46**
Future Potential Habitat	**184.30**	**5,332.94**	**179.25**	**5,180.60**
TOTAL	**186.31**	**5,425.40**	**181.26**	**5,273.06**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57* = Scrub Oak (not managed)

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Table F-5. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A08-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0811	103.07	79	26	28.66	9.00	21.05	14.00	16.29	27.00	0.00	0.97	0.57	1.50	41.00	51.50	1	37	4	3	1	1	103.07	4,225.87				
A0902	0.82	52	31	36.77	9.50	25.21	19.00	12.56	16.50	0.00	1.16	0.00	1.00	35.50	46.00	2	33	3	3	1	0	0.82	29.11				
EE0215	15.54	80	31	18.88	6.00	11.86	8.50	10.15	15.50	2.86	5.42	5.08	13.00	24.00	43.00	8	23	32	3	1	0					15.54	372.96
EE0218	7.98	83	21	20.51	6.50	7.43	5.00	17.77	34.50	2.29	0.00	0.00	0.00	39.50	46.00	1	40	0	3	1	0	7.98	315.21				
EE0227	38.85	83	31	20.94	4.00	2.24	2.00	16.91	36.00	8.29	1.30	0.89	2.50	38.00	44.50	6	28	10	3	1	0			38.85	1,476.30		
pp306*	6.75	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					6.75	0.00
pp307*	0.98	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.98	0.00
pp308*	0.89	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.89	0.00
pp348*	3.36	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.36	0.00
Q0102	6.16	91	31	54.17	16.67	14.59	10.00	13.35	25.00	4.66	0.00	0.00	0.00	35.00	51.67	8	27	0	3	1	0			6.16	215.60		
Q0104	0.40	38	31	61.62	15.71	28.57	20.00	11.05	17.14	7.61	4.15	2.77	8.57	37.14	61.43	8	33	15	3	1	0			0.40	14.86		
Q0110	0.13	47	13	115.02	26.67	19.71	13.33	6.55	8.33	15.82	10.34	0.00	6.67	21.67	55.00	1	24	28	3	1	0					0.13	2.82
Q0114	1.25	57	31	26.88	8.00	31.74	23.50	12.83	17.50	6.98	0.59	0.00	0.50	41.00	49.50	2	30	1	3	1	1	1.25	51.25				
	186.18																					**113.12**	**4,621.44**	**45.41**	**1,706.76**	**27.65**	**375.78**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0811	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)	0.24	9.84				
A0902	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)	0.12	4.26				
EE0215	2009	n/a	Tank Trail Construction					0.91	21.84
EE0227	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)			1.41	53.58		
EE0227	2009	n/a	Tank Trail Construction			1.57	59.66		
pp306*	2009	n/a	Tank Trail Construction					0.44	0.00
Q0102	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)			0.35	12.25		
			TOTAL REMOVALS	**0.36**	**14.10**	**3.33**	**125.49**	**1.35**	**21.84**

POST-PROJECT

	2009	
	Acres	**BA**
Suitable Habitat	**112.76**	**4,607.34**
Potentially Suitable Habitat	**42.08**	**1,581.27**
Future Potential Habitat	**26.30**	**353.94**
TOTAL	**181.14**	**6,542.55**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Table F-6. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A08-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0811	103.07	79	26	28.66	9.00	21.05	14.00	16.29	27.00	0.00	0.97	0.57	1.50	41.00	51.50	1	37	4	3	1	4.25	PS					103.07	4,225.87
A0902	0.82	52	31	36.77	9.50	25.21	19.00	12.56	16.50	0.00	1.16	0.00	1.00	35.50	46.00	2	33	3	3	1	3.76	PS					0.82	29.11
EE0215	15.54	80	31	18.88	6.00	11.86	8.50	10.15	15.50	2.86	5.42	5.08	13.00	24.00	43.00	8	23	32	3	1	3.39	PS					15.54	372.96
EE0218	7.98	83	21	20.51	6.50	7.43	5.00	17.77	34.50	2.29	0.00	0.00	0.00	39.50	46.00	1	40	0	3	1	4.22	PS					7.98	315.21
EE0227	38.85	83	31	20.94	4.00	2.24	2.00	16.91	36.00	8.29	1.30	0.89	2.50	38.00	44.50	6	28	10	3	1	3.89	PS					38.85	1,476.30
pp306*	6.75	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					6.75	0.00
pp307*	0.98	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.98	0.00
pp308*	0.89	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.89	0.00
pp348*	3.36	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.36	0.00
Q0102	6.16	91	31	54.17	16.67	14.59	10.00	13.35	25.00	4.66	0.00	0.00	0.00	35.00	51.67	8	27	0	3	1	3.68	PS					6.16	215.60
Q0104	0.40	38	31	61.62	15.71	28.57	20.00	11.05	17.14	7.61	4.15	2.77	8.57	37.14	61.43	8	33	15	3	1	3.10	PS					0.40	14.86
Q0110	0.13	47	13	115.02	26.67	19.71	13.33	6.55	8.33	15.82	10.34	0.00	6.67	21.67	55.00	1	24	28	3	1	2.62	NH					0.13	2.82
Q0114	1.25	57	31	26.88	8.00	31.74	23.50	12.83	17.50	6.98	0.59	0.00	0.50	41.00	49.50	2	30	1	3	1	3.82	PS					1.25	51.25
	186.18																						**0.00**	**0.00**	**0.00**	**0.00**	**186.18**	**6,703.98**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0811	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					0.24	9.84
A0902	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					0.12	4.26
EE0215	2009	n/a	Tank Trail Construction					0.91	21.84
EE0227	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					1.41	53.58
EE0227	2009	n/a	Tank Trail Construction					1.57	59.66
pp306*	2009	n/a	Tank Trail Construction					0.44	0.00
Q0102	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					0.35	12.25
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**5.04**	**161.43**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**181.14**	**6,542.55**
TOTAL	**181.14**	**6,542.55**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Table F-7. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A08-02a**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0804	43.94	56	21	31.74	9.00	15.09	10.50	17.29	24.50	5.29	1.09	1.41	3.50	35.00	47.50	1	30	7	3	1	0	43.94	1,537.90				
A0807	47.10	79	21	21.12	6.50	9.44	6.50	18.95	29.50	8.78	0.00	0.00	0.00	36.00	42.50	2	31	0	3	1	0	47.10	1,695.60				
A0811	0.83	79	26	28.66	9.00	21.05	14.00	16.29	27.00	0.00	0.97	0.57	1.50	41.00	51.50	1	37	4	3	1	1	0.00	0.00				
EE0117	6.85	82	21	17.08	5.00	13.92	10.50	23.21	32.50	1.18	0.94	0.79	2.00	43.00	50.00	8	12	4	3	1	0			6.85	294.55		
EE0208	3.40	56	31	2.83	1.05	7.49	5.79	13.97	21.58	3.65	5.99	2.30	8.95	27.37	37.37	9	20	28	3	1	0					0.00	0.00
EE0215	4.22	80	31	18.88	6.00	11.86	8.50	10.15	15.50	2.86	5.42	5.08	13.00	24.00	43.00	8	23	32	3	1	0					0.00	0.00
pp348*	8.65	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
	114.99																					**91.04**	**3,233.50**	**6.85**	**294.55**	**0.00**	**0.00**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0804	2009	n/a	Tank Trail Construction	0.71	24.85				
EE0117	2009	n/a	Tank Trail Construction			1.10	47.30		
			TOTAL REMOVALS	**0.71**	**24.85**	**1.10**	**47.30**	**0.00**	**0.00**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**90.33**	**3,208.65**
Potentially Suitable Habitat	**5.75**	**247.25**
Future Potential Habitat	**0.00**	**0.00**
TOTAL	**96.08**	**3,455.90**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-8. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A08-02a**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0804	43.94	56	21	31.74	9.00	15.09	10.50	17.29	24.50	5.29	1.09	1.41	3.50	35.00	47.50	1	30	7	3	1	4.06	PS					43.94	1,537.90
A0807	47.10	79	21	21.12	6.50	9.44	6.50	18.95	29.50	8.78	0.00	0.00	0.00	36.00	42.50	2	31	0	3	1	4.37	PS					47.10	1,695.60
A0811	0.83	79	26	28.66	9.00	21.05	14.00	16.29	27.00	0.00	0.97	0.57	1.50	41.00	51.50	1	37	4	3	1	4.25	PS					0.00	0.00
EE0117	6.85	82	21	17.08	5.00	13.92	10.50	23.21	32.50	1.18	0.94	0.79	2.00	43.00	50.00	8	12	4	3	1	3.89	PS			6.85	294.55		
EE0208	3.40	56	31	2.83	1.05	7.49	5.79	13.97	21.58	3.65	5.99	2.30	8.95	27.37	37.37	9	20	28	3	1	3.48	PS					0.00	0.00
EE0215	4.22	80	31	18.88	6.00	11.86	8.50	10.15	15.50	2.86	5.42	5.08	13.00	24.00	43.00	8	23	32	3	1	3.39	PS					0.00	0.00
pp348*	8.65	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
	114.99																						**0.00**	**0.00**	**6.85**	**294.55**	**91.04**	**3,233.50**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0804	2009	n/a	Tank Trail Construction					0.71	24.85
EE0117	2009	n/a	Tank Trail Construction			1.10	47.30		
			TOTAL REMOVALS	**0.00**	**0.00**	**1.10**	**47.30**	**0.71**	**24.85**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**5.75**	**247.25**
Future Potential Habitat	**90.33**	**3,208.65**
TOTAL	**96.08**	**3,455.90**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-9. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A09-03R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0911	2.97	91	31	13.28	2.50	3.39	3.00	15.95	27.00	4.96	3.01	1.99	5.50	30.00	38.00	6	33	21	3	1	0			2.97	89.10		
A0916	8.12	102	42**	12.51	3.50	4.38	3.50	7.00	13.50	16.69	13.72	7.45	21.50	17.00	42.00	7	21	65	3	1	0					0.00	0.00
A0924	96.96	99	21	17.76	4.21	6.45	4.21	15.60	27.89	2.15	0.00	0.00	0.00	32.11	36.32	6	37	0	3	1	0			96.96	3,113.39		
A1105	8.90	93	13	0.00	0.00	0.00	0.00	16.85	44.44	16.33	9.31	5.47	16.67	44.44	61.11	7	11	47	0	0	0			0.00	0.00		
pp186*	0.65	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.65	0.00
pp20*	7.15	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					7.15	0.00
pp21*	0.59	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.59	0.00
Q0243	2.47	59	31	25.66	5.50	2.48	1.50	15.02	30.50	7.72	4.44	0.88	4.50	32.00	42.00	8	32	23	3	1	0			2.47	79.04		
Q0249	5.78	51	10	28.43	8.33	13.39	10.00	13.91	26.67	22.70	11.49	0.96	8.33	36.67	53.33	2	38	31	3	1	0	5.78	211.95				
Q0251	0.50	55	31	41.14	11.50	31.18	21.50	5.80	9.50	16.63	0.72	0.75	1.50	31.00	44.00	2	31	4	3	1	0	0.50	15.50				
Q0259	5.29	55	31	22.63	7.14	26.89	18.57	10.13	15.71	6.01	2.02	1.63	4.29	34.29	45.71	1	29	9	3	1	0	5.29	181.39				
Q0263	5.68	51	31	0.00	0.00	4.27	3.33	20.87	40.00	14.00	4.58	6.09	13.33	43.33	56.67	8	13	30	3	1	0			5.68	246.11		
	145.06																					**11.57**	**408.84**	**108.08**	**3,527.64**	**8.39**	**0.00**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0911	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)			0.28	8.40		
A0924	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)			1.98	63.58		
pp20*	2009	n/a	Good Hope Maneuver Area					0.16	0.00
Q0243	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)			0.19	6.08		
Q0243	2009	n/a	Tank Trail Construction			0.59	18.88		
Q0249	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)	0.26	9.53				
Q0249	2009	n/a	Tank Trail Construction	1.23	45.10				
Q0263	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)			0.27	11.70		
Q0263	2009	n/a	Tank Trail Construction			0.81	35.10		
								0.34	0.00
			TOTAL REMOVALS	**1.49**	**54.63**	**4.12**	**143.74**	**0.50**	**0.00**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**10.08**	**354.21**
Potentially Suitable Habitat	**103.96**	**3,383.90**
Future Potential Habitat	**7.89**	**0.00**
TOTAL	**121.93**	**3,738.11**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-10. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A09-03R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0911	2.97	91	31	13.28	2.50	3.39	3.00	15.95	27.00	4.96	3.01	1.99	5.50	30.00	38.00	6	33	21	3	1	3.95	PS					2.97	89.10
A0916	8.12	102	42**	12.51	3.50	4.38	3.50	7.00	13.50	16.69	13.72	7.45	21.50	17.00	42.00	7	21	65	3	1	3.05	PS					0.00	0.00
A0924	96.96	99	21	17.76	4.21	6.45	4.21	15.60	27.89	2.15	0.00	0.00	0.00	32.11	36.32	6	37	0	3	1	3.95	PS					96.96	3,113.39
A1105	8.90	93	13	0.00	0.00	0.00	0.00	16.85	44.44	16.33	9.31	5.47	16.67	44.44	61.11	7	11	47	0	0	3.58	PS					0.00	0.00
pp186*	0.65	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.65	0.00
pp20*	7.15	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					7.15	0.00
pp21*	0.59	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.59	0.00
Q0243	2.47	59	31	25.66	5.50	2.48	1.50	15.02	30.50	7.72	4.44	0.88	4.50	32.00	42.00	8	32	23	3	1	3.68	PS					2.47	79.04
Q0249	5.78	51	10	28.43	8.33	13.39	10.00	13.91	26.67	22.70	11.49	0.96	8.33	36.67	53.33	2	38	31	3	1	4.06	PS					5.78	211.95
Q0251	0.50	55	31	41.14	11.50	31.18	21.50	5.80	9.50	16.63	0.72	0.75	1.50	31.00	44.00	2	31	4	3	1	3.24	PS					0.50	15.50
Q0259	5.29	55	31	22.63	7.14	26.89	18.57	10.13	15.71	6.01	2.02	1.63	4.29	34.29	45.71	1	29	9	3	1	3.69	PS					5.29	181.39
Q0263	5.68	51	31	0.00	0.00	4.27	3.33	20.87	40.00	14.00	4.58	6.09	13.33	43.33	56.67	8	13	30	3	1	3.75	PS					5.68	246.11
	145.06																						**0.00**	**0.00**	**0.00**	**0.00**	**128.04**	**3,936.48**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0911	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					0.28	8.40
A0924	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					1.98	63.58
pp20*	2009	n/a	Good Hope Maneuver Area					0.16	0.00
Q0243	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					0.19	6.08
Q0243	2009	n/a	Tank Trail Construction					0.59	18.88
Q0249	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					0.26	9.53
Q0249	2009	n/a	Tank Trail Construction					1.23	45.10
Q0263	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					0.27	11.70
Q0263	2009	n/a	Tank Trail Construction					0.81	35.10
								0.34	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**6.11**	**198.37**

POST-PROJECT

	2009	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**121.93**	**3,738.11**
TOTAL	**121.93**	**3,738.11**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-11. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A09-05**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0811	43.21	79	26	28.66	9.00	21.05	14.00	16.29	27.00	0.00	0.97	0.57	1.50	41.00	51.50	1	37	4	3	1	1	43.21	1,771.61				
A0901	42.19	94	26	30.96	7.00	2.91	2.00	12.26	23.50	2.55	0.64	1.63	3.00	25.50	35.50	6	36	13	3	1	0					42.19	1,075.85
A0902	27.61	52	31	36.77	9.50	25.21	19.00	12.56	16.50	0.00	1.16	0.00	1.00	35.50	46.00	2	33	3	3	1	0	27.61	980.16				
A0905	10.02	49	31	12.55	3.50	9.52	7.50	13.47	23.00	18.37	10.45	2.60	11.50	30.50	45.50	5	28	36	3	1	0			10.02	305.61		
A0906	21.08	86	31	6.51	2.11	11.64	8.42	12.49	21.58	19.66	19.41	4.54	20.00	30.00	52.11	1	29	50	3	1	0	21.08	632.40				
A0911	3.79	91	31	13.28	2.50	3.39	3.00	15.95	27.00	4.96	3.01	1.99	5.50	30.00	38.00	6	33	21	3	1	0			3.79	113.70		
pp683*	2.13	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.13	0.00
Q0110	4.27	47	13	115.02	26.67	19.71	13.33	6.55	8.33	15.82	10.34	0.00	6.67	21.67	55.00	1	24	28	3	1	0					4.27	92.53
Q0114	20.91	57	31	26.88	8.00	31.74	23.50	12.83	17.50	6.98	0.59	0.00	0.50	41.00	49.50	2	30	1	3	1	1	20.91	857.31				
Q0116	0.10	47	31	15.53	6.25	43.00	31.25	21.43	31.25	7.05	1.34	0.00	1.25	62.50	70.00	2	21	2	3	1	1	0.10	6.25				
Q0119	2.48	57	13	0.00	0.00	14.25	10.00	11.40	15.00	10.60	21.83	3.45	20.00	25.00	45.00	8	50	50	3	1	0					2.48	62.00
Q0120	3.95	54	42**	26.46	8.57	7.99	5.71	9.55	14.29	39.24	23.76	17.88	44.29	20.00	72.86	1	17	70	3	1	0					0.00	0.00
Q0125	2.86	54	10	10.14	4.00	20.44	15.50	15.70	23.00	21.00	5.43	4.48	10.50	38.50	53.00	3	20	22	3	1	0	2.86	110.11				
	184.60																					**115.77**	**4,357.84**	**13.81**	**419.31**	**51.07**	**1,230.38**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0902	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)	1.84	65.32				
A0906	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)	0.07	2.10				
A0911	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)			0.22	6.60		
pp683*	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					0.01	0.00
pp683*	2009	n/a	Tank Trail Construction					0.56	0.00
Q0114	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)	0.46	18.86				
Q0114	2009	n/a	Tank Trail Construction	1.77	72.57				
Q0119	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					0.18	4.50
Q0119	2009	n/a	Tank Trail Construction					0.43	10.75
Q0125	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)	0.85	32.73				
Q0125	2009	n/a	Tank Trail Construction	0.28	10.78				
			TOTAL REMOVALS	**5.27**	**202.36**	**0.22**	**6.60**	**1.18**	**15.25**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**110.50**	**4,155.48**
Potentially Suitable Habitat	**13.59**	**412.71**
Future Potential Habitat	**49.89**	**1,215.13**
TOTAL	**173.98**	**5,783.32**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood - Yellow Pine (not managed)

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Table F-12. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A09-05**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0811	43.21	79	26	28.66	9.00	21.05	14.00	16.29	27.00	0.00	0.97	0.57	1.50	41.00	51.50	1	37	4	3	1	4.25	PS					43.21	1,771.61
A0901	42.19	94	26	30.96	7.00	2.91	2.00	12.26	23.50	2.55	0.64	1.63	3.00	25.50	35.50	6	36	13	3	1	3.72	PS					42.19	1,075.85
A0902	27.61	52	31	36.77	9.50	25.21	19.00	12.56	16.50	0.00	1.16	0.00	1.00	35.50	46.00	2	33	3	3	1	3.76	PS					27.61	980.16
A0905	10.02	49	31	12.55	3.50	9.52	7.50	13.47	23.00	18.37	10.45	2.60	11.50	30.50	45.50	5	28	36	3	1	3.57	PS					10.02	305.61
A0906	21.08	86	31	6.51	2.11	11.64	8.42	12.49	21.58	19.66	19.41	4.54	20.00	30.00	52.11	1	29	50	3	1	3.93	PS					21.08	632.40
A0911	3.79	91	31	13.28	2.50	3.39	3.00	15.95	27.00	4.96	3.01	1.99	5.50	30.00	38.00	6	33	21	3	1	3.95	PS					3.79	113.70
pp683*	2.13	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.13	0.00
Q0110	4.27	47	13	115.02	26.67	19.71	13.33	6.55	8.33	15.82	10.34	0.00	6.67	21.67	55.00	1	24	28	3	1	2.62	NH					4.27	92.53
Q0114	20.91	57	31	26.88	8.00	31.74	23.50	12.83	17.50	6.98	0.59	0.00	0.50	41.00	49.50	2	30	1	3	1	3.82	PS					20.91	857.31
Q0116	0.10	47	31	15.53	6.25	43.00	31.25	21.43	31.25	7.05	1.34	0.00	1.25	62.50	70.00	2	21	2	3	1	4.05	PS					0.10	6.25
Q0119	2.48	57	13	0.00	0.00	14.25	10.00	11.40	15.00	10.60	21.83	3.45	20.00	25.00	45.00	8	50	50	3	1	3.46	PS					2.48	62.00
Q0120	3.95	54	42**	26.46	8.57	7.99	5.71	9.55	14.29	39.24	23.76	17.88	44.29	20.00	72.86	1	17	70	3	1	3.28	PS					0.00	0.00
Q0125	2.86	54	10	10.14	4.00	20.44	15.50	15.70	23.00	21.00	5.43	4.48	10.50	38.50	53.00	3	20	22	3	1	3.89	PS					2.86	110.11
	184.60																						**0.00**	**0.00**	**0.00**	**0.00**	**180.65**	**6,007.53**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0902	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					1.84	65.32
A0906	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					0.07	2.10
A0911	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					0.22	6.60
pp683*	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					0.01	0.00
pp683*	2009	n/a	Tank Trail Construction					0.56	0.00
Q0114	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					0.46	18.86
Q0114	2009	n/a	Tank Trail Construction					1.77	72.57
Q0119	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					0.18	4.50
Q0119	2009	n/a	Tank Trail Construction					0.43	10.75
Q0125	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					0.85	32.73
Q0125	2009	n/a	Tank Trail Construction					0.28	10.78
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**6.67**	**224.21**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**173.98**	**5,783.32**
TOTAL	**173.98**	**5,783.32**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood - Yellow Pine (not managed)

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Table F-13. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1705	42.13	75	21	38.03	10.00	22.22	16.50	21.89	32.50	4.06	4.24	0.95	5.50	49.00	64.50	2	29	11	3	2	1	42.13	2,064.37				
A1706	20.63	41	31	68.89	19.50	31.04	21.50	11.87	17.00	9.25	4.51	1.93	6.00	38.50	64.00	5	29	13	3	2	0			20.63	794.26		
A1707	8.24	41	31	94.25	25.79	63.39	44.21	15.10	20.53	26.90	6.17	1.72	7.89	64.74	98.42	1	19	9	3	2	0			8.24	533.46		
A1709	4.43	41	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	0			4.43	234.79		
A1714	14.27	91	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	1	14.27	941.82				
A1716	28.25	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	28.25	1,469.00				
A1717	4.34	76	10	97.34	28.89	59.53	41.11	17.28	21.11	19.22	0.00	1.89	4.44	62.22	95.56	1	33	2	3	2	0			4.34	270.03		
	122.29																					**84.65**	**4,475.19**	**37.64**	**1,832.54**	**0.00**	**0.00**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1705	2011	67012	Qualification Training Range	1.13	55.37				
A1705	2011	67012	Beaten Area for Qualification Training Range	17.91	877.59				
A1706	2011	67012	Qualification Training Range			0.39	15.02		
A1706	2011	67012	Beaten Area for Qualification Training Range			15.31	589.44		
A1707	2011	67012	Qualification Training Range			0.11	7.12		
A1707	2011	67012	Beaten Area for Qualification Training Range			7.87	509.50		
A1709	2011	67012	Beaten Area for Qualification Training Range			4.43	234.79		
A1714	2011	67012	Beaten Area for Qualification Training Range	8.87	585.42				
A1716	2011	67012	Qualification Training Range	16.70	868.40				
A1716	2011	67012	Beaten Area for Qualification Training Range	10.58	550.16				
A1717	2011	67012	Qualification Training Range			3.61	224.61		
A1717	2011	67012	Beaten Area for Qualification Training Range			0.68	42.31		
			TOTAL REMOVALS	**55.19**	**2,936.94**	**32.40**	**1,622.79**	**0.00**	**0.00**

POST-PROJECT

	2011 Acres	2011 BA
Suitable Habitat	**29.46**	**1,538.25**
Potentially Suitable Habitat	**5.24**	**209.75**
Future Potential Habitat	**0.00**	**0.00**
SUB-TOTAL	**34.70**	**1,748.00**
non-contiguous habitat	**-2.33**	**-96.54**
TOTAL	**32.37**	**1,651.46**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Forest Type:
10 = Yellow Pine - Upland Hardwood
21 = Longleaf Pine
31 = Loblolly Pine

Stands A1706 and A1707 will be non-contiguous as a result of project impacts and cannot be counted towards the available habitat for the partition.

Table F-14. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1705	42.13	75	21	38.03	10.00	22.22	16.50	21.89	32.50	4.06	4.24	0.95	5.50	49.00	64.50	2	29	11	3	2	4.42	PS			42.13	2,064.37		
A1706	20.63	41	31	68.89	19.50	31.04	21.50	11.87	17.00	9.25	4.51	1.93	6.00	38.50	64.00	5	29	13	3	2	3.38	PS					20.63	794.26
A1707	8.24	41	31	94.25	25.79	63.39	44.21	15.10	20.53	26.90	6.17	1.72	7.89	64.74	98.42	1	19	9	3	2	3.79	PS					8.24	533.46
A1709	4.43	41	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	4.18	PS					4.43	234.79
A1714	14.27	91	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	4.31	PS			14.27	941.82		
A1716	28.25	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.43	PS			28.25	1,469.00		
A1717	4.34	76	10	97.34	28.89	59.53	41.11	17.28	21.11	19.22	0.00	1.89	4.44	62.22	95.56	1	33	2	3	2	4.27	PS					4.34	270.03
	122.29																						**0.00**	**0.00**	**84.65**	**4,475.19**	**37.64**	**1,832.54**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1705	2011	67012	Qualification Training Range			1.13	55.37		
A1705	2011	67012	Beaten Area for Qualification Training Range			17.91	877.59		
A1706	2011	67012	Qualification Training Range					0.39	15.02
A1706	2011	67012	Beaten Area for Qualification Training Range					15.31	589.44
A1707	2011	67012	Qualification Training Range					0.11	7.12
A1707	2011	67012	Beaten Area for Qualification Training Range					7.87	509.50
A1709	2011	67012	Beaten Area for Qualification Training Range					4.43	234.79
A1714	2011	67012	Beaten Area for Qualification Training Range			8.87	585.42		
A1716	2011	67012	Qualification Training Range			16.70	868.40		
A1716	2011	67012	Beaten Area for Qualification Training Range			10.58	550.16		
A1717	2011	67012	Qualification Training Range					3.61	224.61
A1717	2011	67012	Beaten Area for Qualification Training Range					0.68	42.31
			TOTAL REMOVALS	**0.00**	**0.00**	**55.19**	**2,936.94**	**32.40**	**1,622.79**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**29.46**	**1,538.25**
Future Potential Habitat	**5.24**	**209.75**
SUB-TOTAL	**34.70**	**1,748.00**
non-contiguous habitat	**-2.33**	**-96.54**
TOTAL	**32.37**	**1,651.46**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine - Upland Hardwood
21 = Longleaf Pine
31 = Loblolly Pine

Stands A1706 and A1707 will be non-contiguous as a result of project impacts and cannot be counted towards the available habitat for the partition.

Table F-15. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1705	49.37	75	21	38.03	10.00	22.22	16.50	21.89	32.50	4.06	4.24	0.95	5.50	49.00	64.50	2	29	11	3	2	1	49.37	2,419.13				
A1710	40.90	75	31	16.04	5.00	8.44	5.50	0.43	0.50	7.81	8.01	3.91	11.50	6.00	22.50	2	50	57	3	2	0					40.90	245.40
A1712	2.24	75	21	70.22	14.29	0.00	0.00	0.00	0.00	7.79	2.29	0.00	1.43	0.00	15.71	2	29	100	3	2	0					2.24	0.00
A1713	2.07	74	26	73.92	19.00	8.97	5.50	0.00	0.00	2.82	2.09	0.00	1.50	5.50	26.00	1	35	19	3	2	0					2.07	11.39
A1714	14.41	91	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	1	14.41	951.06				
A1821	0.70	108	21	50.03	12.22	20.57	15.56	8.31	10.56	2.27	4.30	1.16	4.44	26.11	42.78	1	16	16	3	2	0					0.70	18.28
A1823	18.59	75	10	50.53	14.50	13.26	9.00	0.89	1.00	18.99	5.76	2.91	9.50	10.00	34.00	1	30	38	3	2	0					18.59	185.90
	128.28																					**63.78**	**3,370.19**	**0.00**	**0.00**	**64.50**	**460.97**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1714	2011	67012	Beaten Area for Qualification Training Range	0.16	10.56				
			TOTAL REMOVALS	**0.16**	**10.56**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**63.62**	**3,359.63**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**64.50**	**460.97**
TOTAL	**128.12**	**3,820.60**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine - Upland Hardwood
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Table F-16. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1705	49.37	75	21	38.03	10.00	22.22	16.50	21.89	32.50	4.06	4.24	0.95	5.50	49.00	64.50	2	29	11	3	2	4.42	PS			49.37	2,419.13		
A1710	40.90	75	31	16.04	5.00	8.44	5.50	0.43	0.50	7.81	8.01	3.91	11.50	6.00	22.50	2	50	57	3	2	2.76	NH					40.90	245.40
A1712	2.24	75	21	70.22	14.29	0.00	0.00	0.00	0.00	7.79	2.29	0.00	1.43	0.00	15.71	2	29	100	3	2	2.48	NH					2.24	0.00
A1713	2.07	74	26	73.92	19.00	8.97	5.50	0.00	0.00	2.82	2.09	0.00	1.50	5.50	26.00	1	35	19	3	2	3.11	PS					2.07	11.39
A1714	14.41	91	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	4.31	PS			14.41	951.06		
A1821	0.70	108	21	50.03	12.22	20.57	15.56	8.31	10.56	2.27	4.30	1.16	4.44	26.11	42.78	1	16	16	3	2	3.42	PS					0.70	18.28
A1823	18.59	75	10	50.53	14.50	13.26	9.00	0.89	1.00	18.99	5.76	2.91	9.50	10.00	34.00	1	30	38	3	2	2.58	NH					18.59	185.90
	128.28																						**0.00**	**0.00**	**63.78**	**3,370.19**	**64.50**	**460.97**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1714	2011	67012	Beaten Area for Qualification Training Range			0.16	10.56		
			TOTAL REMOVALS	**0.00**	**0.00**	**0.16**	**10.56**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**63.62**	**3,359.63**
Future Potential Habitat	**64.50**	**460.97**
TOTAL	**128.12**	**3,820.60**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine - Upland Hardwood
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Table F-17. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-03**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1716	51.37	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	51.37	2,671.24				
A1719	25.47	87	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	7	3	2	1	25.47	1,439.06				
A1725	20.29	40	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	0			20.29	1,014.50		
A1726	20.29	81	26	51.05	17.00	43.07	31.00	15.77	21.50	3.21	2.15	1.72	4.50	52.50	74.00	1	37	6	3	2	1	20.29	1,065.23				
	117.42																					**97.13**	**5,175.53**	**20.29**	**1,014.50**	**0.00**	**0.00**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1716	2011	67012	Qualification Training Range	22.10	1,149.20				
A1716	2011	67012	Beaten Area for Qualification Training Range	26.46	1,375.92				
A1719	2011	67012	Qualification Training Range	25.47	1,439.06				
A1725	2011	67012	Qualification Training Range			11.17	558.50		
A1725	2011	67012	Beaten Area for Qualification Training Range			3.64	182.00		
A1726	2011	67012	Qualification Training Range	20.28	1,064.70				
			TOTAL REMOVALS	**94.31**	**5,028.88**	**14.81**	**740.50**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**2.82**	**146.65**
Potentially Suitable Habitat	**5.48**	**274.00**
Future Potential Habitat	**0.00**	**0.00**
SUB-TOTAL	**8.30**	**420.65**
non-contiguous habitat	**-2.81**	**-146.12**
TOTAL	**5.49**	**274.53**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Table F-18. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-03**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1716	51.37	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.43	PS			51.37	2,671.24		
A1719	25.47	87	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	7	3	2	3.90	PS					25.47	1,439.06
A1725	20.29	40	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	3.52	PS					20.29	1,014.50
A1726	20.29	81	26	51.05	17.00	43.07	31.00	15.77	21.50	3.21	2.15	1.72	4.50	52.50	74.00	1	37	6	3	2	4.33	PS					20.29	1,065.23
	117.42																						**0.00**	**0.00**	**51.37**	**2,671.24**	**66.05**	**3,518.79**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1716	2011	67012	Qualification Training Range			22.10	1,149.20		
A1716	2011	67012	Beaten Area for Qualification Training Range			26.46	1,375.92		
A1719	2011	67012	Qualification Training Range					25.47	1,439.06
A1725	2011	67012	Qualification Training Range					11.17	558.50
A1725	2011	67012	Beaten Area for Qualification Training Range					3.64	182.00
A1726	2011	67012	Qualification Training Range					20.28	1,064.70
			TOTAL REMOVALS	**0.00**	**0.00**	**48.56**	**2,525.12**	**60.56**	**3,244.26**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**2.81**	**146.12**
Future Potential Habitat	**5.49**	**274.53**
SUB-TOTAL	**8.30**	**420.65**
non-contiguous habitat	**-2.81**	**-146.12**
TOTAL	**5.49**	**274.53**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Table F-19. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-04**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1407	6.73	80	21	27.73	7.00	17.92	14.00	17.00	22.50	5.52	1.63	0.50	1.50	36.50	45.00	1	39	6	3	2	0	6.73	245.65				
A1409	0.04	23	31P	6.23	3.00	44.57	32.00	9.65	12.00	0.00	0.00	0.00	0.00	44.00	47.00	1	15	0	3	2	0					0.04	1.76
A1410	5.21	38	25	129.64	32.22	35.80	24.44	7.14	8.89	0.00	0.00	0.00	0.00	33.33	65.56	1	38	0	3	2	0			5.21	173.65		
A1412	13.41	39	31	77.66	21.50	46.76	33.00	9.59	11.50	5.01	1.64	0.82	2.00	44.50	68.00	1	36	4	3	2	0			13.41	596.75		
A1614	2.08	44	25	29.46	10.00	48.86	33.33	13.05	18.33	0.00	2.27	2.78	6.67	51.67	68.33	1	50	8	3	2	1	2.08	107.47				
A1716	43.79	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	43.79	2,277.08				
A1719	3.43	87	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	7	3	2	1	3.43	193.80				
A1725	10.46	40	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	0			10.46	523.00		
A1726	95.53	81	26	51.05	17.00	43.07	31.00	15.77	21.50	3.21	2.15	1.72	4.50	52.50	74.00	1	37	6	3	2	1	95.53	5,015.33				
A1728	42.48	51	21	69.42	21.00	27.77	21.50	29.91	43.00	0.00	1.77	1.34	3.00	64.50	88.50	2	38	5	3	2	0			42.48	2,739.96		
A1729	4.39	82	31	19.94	6.25	11.54	7.50	13.92	26.25	0.00	0.00	0.00	0.00	33.75	40.00	2	61	0	3	2	0	4.39	148.16				
pp659	3.65	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.65	0.00
	231.20																					**155.95**	**7,987.49**	**71.56**	**4,033.36**	**3.69**	**1.76**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1719	2011	67012	Qualification Training Range - QTR	3.09	174.59				
A1726	2011	67012	Qualification Training Range - QTR	13.23	694.58				
			TOTAL REMOVALS	**16.32**	**869.17**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT

	2011 Acres	2011 BA
Suitable Habitat	**139.63**	**7,118.32**
Potentially Suitable Habitat	**71.56**	**4,033.36**
Future Potential Habitat	**3.69**	**1.76**
TOTAL	**214.88**	**11,153.44**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-20. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-04**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1407	6.73	80	21	27.73	7.00	17.92	14.00	17.00	22.50	5.52	1.63	0.50	1.50	36.50	45.00	1	39	6	3	2	4.36	PS					6.73	245.65
A1409	0.04	23	31P	6.23	3.00	44.57	32.00	9.65	12.00	0.00	0.00	0.00	0.00	44.00	47.00	1	15	0	3	2	3.24	NH					0.04	1.76
A1410	5.21	38	25	129.64	32.22	35.80	24.44	7.14	8.89	0.00	0.00	0.00	0.00	33.33	65.56	1	38	0	3	2	3.09	PS					5.21	173.65
A1412	13.41	39	31	77.66	21.50	46.76	33.00	9.59	11.50	5.01	1.64	0.82	2.00	44.50	68.00	1	36	4	3	2	3.48	PS					13.41	596.75
A1614	2.08	44	25	29.46	10.00	48.86	33.33	13.05	18.33	0.00	2.27	2.78	6.67	51.67	68.33	1	50	8	3	2	4.07	PS					2.08	107.47
A1716	43.79	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.43	PS			43.79	2,277.08		
A1719	3.43	87	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	7	3	2	3.90	PS					3.43	193.80
A1725	10.46	40	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	3.52	PS					10.46	523.00
A1726	95.53	81	26	51.05	17.00	43.07	31.00	15.77	21.50	3.21	2.15	1.72	4.50	52.50	74.00	1	37	6	3	2	4.33	PS					95.53	5,015.33
A1728	42.48	51	21	69.42	21.00	27.77	21.50	29.91	43.00	0.00	1.77	1.34	3.00	64.50	88.50	2	38	5	3	2	4.34	PS					42.48	2,739.96
A1729	4.39	82	31	19.94	6.25	11.54	7.50	13.92	26.25	0.00	0.00	0.00	0.00	33.75	40.00	2	61	0	3	2	4.43	PS					4.39	148.16
pp659*	3.65	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.65	0.00
	231.20																						**0.00**	**0.00**	**43.79**	**2,277.08**	**187.41**	**9,745.53**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1719	2011	67012	Qualification Training Range - QTR			3.09	174.59		
A1726	2011	67012	Qualification Training Range - QTR					13.23	694.58
			TOTAL REMOVALS	**0.00**	**0.00**	**3.09**	**174.59**	**13.23**	**694.58**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**40.70**	**2,102.49**
Future Potential Habitat	**174.18**	**9,050.95**
TOTAL	**214.88**	**11,153.44**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-21. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-05**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable/ Potentially Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1502	13.08	74	31	22.05	5.50	12.34	9.00	13.04	23.50	5.92	1.71	1.53	3.50	32.50	41.50	1	44	11	3	1	0	13.08	425.10				
A1601	5.35	57	31	6.78	2.50	14.87	11.50	14.54	21.50	4.03	3.38	3.85	9.50	33.00	45.00	1	26	20	3	2	0	5.35	176.55				
A1602	4.15	29	32	56.60	17.00	9.06	6.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	23.00	1	54	0	3	2	0					4.15	24.90
A1704	83.96	82	26	39.00	11.50	21.65	14.50	18.67	30.50	10.36	3.68	0.67	3.50	45.00	60.00	1	47	10	3	2	1	83.96	3,778.20				
A1709	16.36	41	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	0			16.36	867.08		
	122.90																					**102.39**	**4,379.85**	**16.36**	**867.08**	**4.15**	**24.90**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1601	2011	67012	Beaten Area for Qualification Training Range - QTR	1.38	45.54				
			TOTAL REMOVALS	**1.38**	**45.54**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**101.01**	**4,334.31**
Potentially Suitable Habitat	**16.36**	**867.08**
Future Potential Habitat	**4.15**	**24.90**
TOTAL	**121.52**	**5,226.29**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
32 = Shortleaf Pine

Table F-22. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-05**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1502	13.08	74	31	22.05	5.50	12.34	9.00	13.04	23.50	5.92	1.71	1.53	3.50	32.50	41.50	1	44	11	3	1	4.27	PS					13.08	425.10
A1601	5.35	57	31	6.78	2.50	14.87	11.50	14.54	21.50	4.03	3.38	3.85	9.50	33.00	45.00	1	26	20	3	2	4.14	PS					5.35	176.55
A1602	4.15	29	32	56.60	17.00	9.06	6.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	23.00	1	54	0	3	2	2.66	NH					4.15	24.90
A1704	83.96	82	26	39.00	11.50	21.65	14.50	18.67	30.50	10.36	3.68	0.67	3.50	45.00	60.00	1	47	10	3	2	4.62	CS	83.96	3,778.20				
A1709	16.36	41	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	4.18	PS					16.36	867.08
	122.90																						**83.96**	**3,778.20**	**0.00**	**0.00**	**38.94**	**1,493.63**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1601	2011	67012	Beaten Area for Qualification Training Range - QTR					1.38	45.54
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**1.38**	**45.54**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**83.96**	**3,778.20**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**37.56**	**1,448.09**
TOTAL	**121.52**	**5,226.29**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
32 = Shortleaf Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Table F-23. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-07**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1704	71.64	82	26	39.00	11.50	21.65	14.50	18.67	30.50	10.36	3.68	0.67	3.50	45.00	60.00	1	47	10	3	2	1	71.64	3,223.80				
A1706	6.75	41	31	68.89	19.50	31.04	21.50	11.87	17.00	9.25	4.51	1.93	6.00	38.50	64.00	5	29	13	3	2	0			6.75	259.88		
A1707	4.87	41	31	94.25	25.79	63.39	44.21	15.10	20.53	26.90	6.17	1.72	7.89	64.74	98.42	1	19	9	3	2	0			4.87	315.28		
A1709	5.68	41	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	0			5.68	301.04		
	88.94																					**71.64**	**3,223.80**	**17.30**	**876.20**	**0.00**	**0.00**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1704	2011	67012	Beaten Area for Qualification Training Range - QTR	6.10	274.50				
A1707	2011	67012	Beaten Area for Qualification Training Range - QTR			3.10	200.69		
A1709	2011	67012	Beaten Area for Qualification Training Range - QTR			4.16	220.48		
			TOTAL REMOVALS	**6.10**	**274.50**	**7.26**	**421.17**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**65.54**	**2,949.30**
Potentially Suitable Habitat	**10.04**	**455.03**
Future Potential Habitat	**0.00**	**0.00**
TOTAL	**75.58**	**3,404.33**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Table F-24. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-07**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1704	71.64	82	26	39.00	11.50	21.65	14.50	18.67	30.50	10.36	3.68	0.67	3.50	45.00	60.00	1	47	10	3	2	4.62	CS	71.64	3,223.80				
A1706	6.75	41	31	68.89	19.50	31.04	21.50	11.87	17.00	9.25	4.51	1.93	6.00	38.50	64.00	5	29	13	3	2	3.38	PS					6.75	259.88
A1707	4.87	41	31	94.25	25.79	63.39	44.21	15.10	20.53	26.90	6.17	1.72	7.89	64.74	98.42	1	19	9	3	2	3.79	PS					4.87	315.28
A1709	5.68	41	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	4.18	PS					5.68	301.04
	88.94																						**71.64**	**3,223.80**	**0.00**	**0.00**	**17.30**	**876.20**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1704	2011	67012	Beaten Area for Qualification Training Range - QTR	6.10	274.50				
A1707	2011	67012	Beaten Area for Qualification Training Range - QTR					3.10	200.69
A1709	2011	67012	Beaten Area for Qualification Training Range - QTR					4.16	220.48
			TOTAL REMOVALS	**6.10**	**274.50**	**0.00**	**0.00**	**7.26**	**421.17**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**65.54**	**2,949.30**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**10.04**	**455.03**
TOTAL	**75.58**	**3,404.33**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Table F-25. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-08**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1710	5.69	75	31	16.04	5.00	8.44	5.50	0.43	0.50	7.81	8.01	3.91	11.50	6.00	22.50	2	50	57	3	2	0					5.69	34.14
A1713	12.07	74	26	73.92	19.00	8.97	5.50	0.00	0.00	2.82	2.09	0.00	1.50	5.50	26.00	1	35	19	3	2	0					12.07	66.39
A1714	78.70	91	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	1	78.70	5,194.20				
A1716	18.77	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	18.77	976.04				
A1723	14.46	80	21	36.38	12.50	34.06	25.00	29.27	41.00	2.69	0.71	0.19	1.00	66.00	79.50	2	33	1	3	2	1	14.46	954.36				
	129.69																					**111.93**	**7,124.60**	**0.00**	**0.00**	**17.76**	**100.53**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1716	2011	67012	Beaten Area for Qualification Training Range - QTR	1.23	63.96				
			TOTAL REMOVALS	**1.23**	**63.96**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**110.70**	**7,060.64**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**17.76**	**100.53**
TOTAL	**37.18**	**7,161.17**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

Table F-26. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-08**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1710	5.69	75	31	16.04	5.00	8.44	5.50	0.43	0.50	7.81	8.01	3.91	11.50	6.00	22.50	2	50	57	3	2	2.76	NH					5.69	34.14
A1713	12.07	74	26	73.92	19.00	8.97	5.50	0.00	0.00	2.82	2.09	0.00	1.50	5.50	26.00	1	35	19	3	2	3.11	PS					12.07	66.39
A1714	78.70	91	21	52.71	15.50	28.01	20.50	32.31	45.50	12.62	1.99	2.49	5.00	66.00	86.50	1	16	7	3	2	4.31	PS			78.70	5,194.20		
A1716	18.77	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.43	PS			18.77	976.04		
A1723	14.46	80	21	36.38	12.50	34.06	25.00	29.27	41.00	2.69	0.71	0.19	1.00	66.00	79.50	2	33	1	3	2	4.52	CS	14.46	954.36				
	129.69																						**14.46**	**954.36**	**97.47**	**6,170.24**	**17.76**	**100.53**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1716	2011	67012	Beaten Area for Qualification Training Range - QTR			1.23	63.96		
			TOTAL REMOVALS	**0.00**	**0.00**	**1.23**	**63.96**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**14.46**	**954.36**
Potentially Suitable Habitat	**96.24**	**6,106.28**
Future Potential Habitat	**17.76**	**100.53**
TOTAL	**37.18**	**7,161.17**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Table F-27. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-13**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1716	80.89	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	80.89	4,206.28				
A1725	24.45	40	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	0			24.45	1,222.50		
	105.34																					**80.89**	**4,206.28**	**24.45**	**1,222.50**	**0.00**	**0.00**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1716	2011	67012	Beaten Area for Qualification Training Range - QTR	2.92	151.84				
			TOTAL REMOVALS	**2.92**	**151.84**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**77.97**	**4,054.44**
Potentially Suitable Habitat	**24.45**	**1,222.50**
Future Potential Habitat	**0.00**	**0.00**
TOTAL	**102.42**	**5,276.94**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

Table F-28. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-13**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1716	80.89	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.43	PS			80.89	4,206.28		
A1725	24.45	40	31	74.55	22.00	49.92	35.50	10.97	14.50	1.24	1.66	2.03	3.50	50.00	75.50	1	30	6	3	2	3.52	PS					24.45	1,222.50
	105.34																						**0.00**	**0.00**	**80.89**	**4,206.28**	**24.45**	**1,222.50**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1716	2011	67012	Beaten Area for Qualification Training Range - QTR			2.92	151.84		
			TOTAL REMOVALS	**0.00**	**0.00**	**2.92**	**151.84**	**0.00**	**0.00**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**77.97**	**4,054.44**
Future Potential Habitat	**24.45**	**1,222.50**
TOTAL	**102.42**	**5,276.94**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Table F-29. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-14**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1601	4.82	57	31	6.78	2.50	14.87	11.50	14.54	21.50	4.03	3.38	3.85	9.50	33.00	45.00	1	26	20	3	2	0	4.82	159.06				
A1602	13.25	29	32	56.60	17.00	9.06	6.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	23.00	1	54	0	3	2	0					13.25	79.50
A1709	4.98	41	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	0			4.98	263.94		
A1716	6.62	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	1	6.62	344.24				
A1717	5.01	76	10	97.34	28.89	59.53	41.11	17.28	21.11	19.22	0.00	1.89	4.44	62.22	95.56	1	33	0	3	2	0			5.01	311.72		
A1719	102.72	87	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	0	3	2	1	102.72	5,803.68				
	137.40																					**114.16**	**6,306.98**	**9.99**	**575.66**	**13.25**	**79.50**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1601	2011	67012	Beaten Area	4.71	155.43				
A1602	2011	67012	Beaten Area					7.49	44.94
A1709	2011	67012	Qualification Training Range-QTR			2.79	147.87		
A1716	2011	67012	Qualification Training Range-QTR	6.62	344.24				
A1717	2011	67012	Qualification Training Range-QTR			2.04	126.93		
A1717	2011	67012	Beaten Area			2.94	182.93		
A1719	2011	67012	Qualification Training Range-QTR	74.70	4,220.55				
A1719	2011	67012	Beaten Area	21.03	1,188.20				
			TOTAL REMOVALS	**107.06**	**5,908.42**	**7.77**	**457.73**	**7.49**	**44.94**

POST-PROJECT

	2011 Acres	2011 BA
Suitable Habitat	**7.10**	**398.56**
Potentially Suitable Habitat	**2.22**	**117.93**
Future Potential Habitat	**5.76**	**34.56**
SUB-TOTAL	**15.08**	**551.05**
non-contiguous habitat	**-3.77**	**-201.63**
GRAND TOTAL	**11.31**	**349.42**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
31 = Loblolly Pine
32 = Shortleaf Pine

Stands A1601, A1709 and A1719 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table F-30. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A17-14**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A1601	4.82	57	31	6.78	2.50	14.87	11.50	14.54	21.50	4.03	3.38	3.85	9.50	33.00	45.00	1	26	20	3	2	4.14	PS					4.82	159.06
A1602	13.25	29	32	56.60	17.00	9.06	6.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	23.00	1	54	0	3	2	2.66	NH					13.25	79.50
A1709	4.98	41	31	82.75	24.00	38.10	26.50	18.23	26.50	5.35	9.22	2.98	11.50	53.00	88.50	2	31	18	3	2	4.18	PS					4.98	263.94
A1716	6.62	87	21	32.86	10.50	30.08	22.00	21.29	30.00	1.59	2.25	0.75	2.50	52.00	65.00	2	30	6	3	2	4.43	PS			6.62	344.24		
A1717	5.01	76	10	97.34	28.89	59.53	41.11	17.28	21.11	19.22	0.00	1.89	4.44	62.22	95.56	1	33	0	3	2	4.27	PS					5.01	311.72
A1719	102.72	87	31	51.22	14.50	42.47	30.50	17.92	26.00	4.54	3.19	1.40	4.50	56.50	75.50	1	33	0	3	2	3.90	PS					102.72	5,803.68
	137.40																						**0.00**	**0.00**	**6.62**	**344.24**	**130.78**	**6,617.90**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A1601	2011	67012	Beaten Area					4.71	155.43
A1602	2011	67012	Beaten Area					7.49	44.94
A1709	2011	67012	Qualification Training Range-QTR					2.79	147.87
A1716	2011	67012	Qualification Training Range-QTR			6.62	344.24		
A1717	2011	67012	Qualification Training Range-QTR					2.04	126.93
A1717	2011	67012	Beaten Area					2.94	182.93
A1719	2011	67012	Qualification Training Range-QTR					74.70	4,220.55
A1719	2011	67012	Beaten Area					21.03	1,188.20
			TOTAL REMOVALS	**0.00**	**0.00**	**6.62**	**344.24**	**115.70**	**6,066.85**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**15.08**	**551.05**
SUB-TOTAL	**15.08**	**551.05**
non-contiguous habitat	**-3.77**	**-201.63**
GRAND TOTAL	**11.31**	**349.42**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
31 = Loblolly Pine
32 = Shortleaf Pine

Stands A1601, A1709 and A1719 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table F-31. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A20-06**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0708	0.28	72	21	23.62	6.00	12.48	8.50	12.47	20.50	3.84	2.34	0.70	2.50	29.00	37.50	1	41	11	3	2	0					0.28	8.12
A0709	29.35	53	31	31.84	9.47	20.81	15.26	9.63	13.16	8.74	0.00	2.04	4.21	28.42	42.11	1	22	6	3	2	0					29.35	834.13
A0711	12.54	48	26	34.26	10.00	29.29	20.00	10.07	14.00	7.44	0.00	0.23	0.50	34.00	44.50	1	43	1	3	1	0	12.54	426.36				
A0720	0.64	38	31	23.87	8.00	31.91	22.50	12.73	17.00	0.00	0.00	0.00	0.00	39.50	47.50	1	42	0	3	1	0	0.64	25.28				
A0723	21.27	83	31	25.05	8.42	25.04	17.37	5.75	9.47	1.91	0.00	0.81	1.05	26.84	36.32	1	33	3	3	1	0					21.27	570.89
A0725	32.26	49	31	8.28	2.50	16.40	12.50	16.80	28.50	3.67	2.58	1.65	4.50	41.00	48.00	2	34	11	3	1	1	32.26	1,322.66				
A0804	77.76	56	21	31.74	9.00	15.09	10.50	17.29	24.50	5.29	1.09	1.41	3.50	35.00	47.50	1	30	7	3	1	0	77.76	2,721.60				
	174.10																					**123.20**	**4,495.90**	**0.00**	**0.00**	**50.90**	**1,413.14**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0711	2009	n/a	Tank Trail Construction	0.54	18.36				
			TOTAL REMOVALS	**0.54**	**18.36**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT

	2009	
	Acres	**BA**
Suitable Habitat	**122.66**	**4,477.54**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**50.90**	**1,413.14**
TOTAL	**173.56**	**5,890.68**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Table F-32. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **A20-06**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0708	0.28	72	21	23.62	6.00	12.48	8.50	12.47	20.50	3.84	2.34	0.70	2.50	29.00	37.50	1	41	11	3	2	4.27	PS					0.28	8.12
A0709	29.35	53	31	31.84	9.47	20.81	15.26	9.63	13.16	8.74	0.00	2.04	4.21	28.42	42.11	1	22	6	3	2	3.63	PS					29.35	834.13
A0711	12.54	48	26	34.26	10.00	29.29	20.00	10.07	14.00	7.44	0.00	0.23	0.50	34.00	44.50	1	43	1	3	1	3.56	PS					12.54	426.36
A0720	0.64	38	31	23.87	8.00	31.91	22.50	12.73	17.00	0.00	0.00	0.00	0.00	39.50	47.50	1	42	0	3	1	3.61	PS					0.64	25.28
A0723	21.27	83	31	25.05	8.42	25.04	17.37	5.75	9.47	1.91	0.00	0.81	1.05	26.84	36.32	1	33	3	3	1	3.39	PS					21.27	570.89
A0725	32.26	49	31	8.28	2.50	16.40	12.50	16.80	28.50	3.67	2.58	1.65	4.50	41.00	48.00	2	34	11	3	1	4.00	PS					32.26	1,322.66
A0804	77.76	56	21	31.74	9.00	15.09	10.50	17.29	24.50	5.29	1.09	1.41	3.50	35.00	47.50	1	30	7	3	1	4.06	PS					77.76	2,721.60
	174.10																						**0.00**	**0.00**	**0.00**	**0.00**	**174.10**	**5,909.04**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0711	2009	n/a	Tank Trail Construction					0.54	18.36
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**0.54**	**18.36**

POST-PROJECT

	2009	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**173.56**	**5,890.68**
TOTAL	**173.56**	**5,890.68**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Table F-33. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **BB03-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
BB0301	0.23	55	10	16.97	5.56	7.61	5.56	9.17	13.89	31.56	18.43	8.28	26.11	19.44	51.11	6	21	61	3	1	0					0.00	0.00
BB0307	1.13	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
BB0311	21.27	19	31P	87.02	26.50	6.96	4.00	0.47	0.50	6.88	0.71	0.00	0.50	4.50	31.50	4	30	9	3	1	0					21.27	95.72
BB0315	2.55	84	13	10.31	3.33	3.91	3.33	27.01	43.33	58.47	21.68	6.73	26.67	46.67	76.67	7	3	48	3	1	0			2.55	119.01		
BB0317	13.94	88	31	4.23	1.33	0.88	0.67	14.95	28.00	11.22	12.58	3.76	16.00	28.67	46.00	6	9	51	3	2	0					13.94	399.66
BB0318	24.91	78	13	4.59	1.00	3.19	2.00	13.38	27.00	34.84	10.96	7.03	20.00	29.00	50.00	2	8	52	3	1	0					24.91	722.39
BB0320	11.96	84	31	5.72	2.00	0.54	0.50	12.82	23.50	8.35	1.70	1.16	3.00	24.00	29.00	3	30	18	3	2	0					11.96	287.04
BB0321	19.03	88	21	6.13	2.50	16.85	12.50	15.77	22.00	3.61	0.00	0.40	1.00	34.50	38.00	1	20	1	3	2	0	19.03	656.54				
BB0323	10.04	63	66**	26.79	8.00	5.04	3.50	5.17	7.00	39.89	15.98	4.94	18.50	10.50	37.00	5	14	67	3	1	0					0.00	0.00
BB0327	11.46	63	31	26.66	7.50	22.77	17.00	8.52	10.00	6.71	0.00	0.61	1.00	27.00	35.50	5	38	2	3	2	0					11.46	309.42
BB0330	1.84	61	13	0.00	0.00	5.18	5.00	23.98	45.00	122.03	0.00	0.00	0.00	50.00	50.00	7	0	0	3	2	0			1.84	92.00		
BB0331	12.51	88	21	12.26	4.00	20.19	15.00	10.86	14.50	17.52	4.93	3.19	8.50	29.50	42.00	1	14	21	3	2	0					12.51	369.05
BB0333	9.09	65	26	43.21	13.33	18.63	12.22	7.87	10.00	8.36	7.60	7.40	15.56	22.22	51.11	1	39	36	3	2	0					9.09	201.98
BB0336	3.31	36	22U	14.41	5.00	16.17	10.50	0.94	1.00	0.00	0.00	0.00	0.00	11.50	16.50	1	40	0	3	2	0					3.31	38.07
BB0337	2.20	61	31	0.00	0.00	61.71	43.33	8.27	10.00	0.00	0.00	0.00	0.00	53.33	53.33	6	13	0	3	2	0			2.20	117.33		
BB0401	2.10	60	25	55.22	15.71	26.68	18.57	11.35	17.14	6.72	15.08	2.47	15.71	35.71	67.14	2	23	32	3	1	0	2.10	74.99				
BB0405	4.03	57	31	119.67	27.50	33.07	25.00	11.31	20.00	5.19	13.48	6.36	15.00	45.00	87.50	1	8	31	3	1	0			4.03	181.35		
BB0407	6.08	52	31	3.06	1.00	11.62	7.50	20.50	41.00	66.27	23.12	4.18	21.00	48.50	70.50	7	11	46	3	1	0			6.08	294.88		
BB0411	4.93	60	31	107.60	27.14	26.22	17.14	0.00	0.00	14.99	2.29	1.30	2.86	17.14	47.14	1	20	12	3	1	0					4.93	84.50
BB0419	1.15	57	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	0	1.15	45.39				
BB0422	0.86	60	21	44.10	11.50	18.46	12.50	13.12	18.50	22.91	4.61	1.73	5.00	31.00	47.50	1	25	17	3	1	0	0.86	26.66				
BB0424	4.48	67	26	42.00	13.00	22.44	16.00	21.17	32.50	6.39	2.96	1.83	4.50	48.50	66.00	2	15	10	3	1	1	4.48	217.28				
BB0425	2.44	48	22P	88.51	26.00	26.97	18.00	2.93	4.00	13.37	2.04	0.00	1.50	22.00	49.50	2	12	6	3	1	0					2.44	53.68
P0314	33.59	52	10	22.03	5.63	21.47	15.00	17.33	25.63	51.26	11.00	5.94	15.63	40.63	61.88	7	8	30	3	2	0			33.59	1,364.76		
P0317	0.20	19	31P	185.79	60.00	28.39	17.14	0.00	0.00	16.60	0.00	0.00	0.00	17.14	77.14	5	19	0	3	2	0					0.20	3.43
P0320	12.04	19	31P	201.40	53.00	8.36	5.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	58.00	1	16	0	3	2	0					12.04	60.20
pp532*	0.29	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.29	0.00
pp756*	0.24	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp757*	15.62	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					15.62	0.00
pp879*	8.67	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp880*	2.67	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
	244.86																					**27.62**	**1,020.86**	**50.29**	**2,169.33**	**143.97**	**2,625.14**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
BB0327	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					5.02	135.54
BB0331	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					3.09	91.16
BB0333	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					8.44	187.54
			2007 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**16.55**	**414.24**
BB0331	2009	n/a	Tank Trail Construction					0.93	27.44
BB0336	2009	n/a	Tank Trail Construction					1.27	14.61
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**2.20**	**42.05**
BB0331	2012	64790	Battle Command Training Center					1.20	35.40
			2012 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**1.20**	**35.40**
				0.00	**0.00**	**0.00**	**0.00**	**19.95**	**491.69**

POST-PROJECT

	2007		2009		2012	
	Acres	**BA**	**Acres**	**BA**	**Acres**	**BA**
Suitable Habitat	**27.62**	**1,020.86**	**27.62**	**1,020.86**	**27.62**	**1,020.86**
Potentially Suitable Habitat	**50.29**	**2,169.33**	**16.70**	**804.57**	**16.70**	**804.57**
Future Potential Habitat	**127.42**	**2,210.90**	**105.89**	**1,916.90**	**104.69**	**1,881.50**
SUB-TOTAL	**205.33**	**5,401.09**	**150.21**	**3,742.33**	**149.01**	**3,706.93**
non-contiguous habitat	**-52.92**	**-1,616.71**	**0.00**	**0.00**	**0.00**	**0.00**
GRAND TOTAL	**152.41**	**3,784.38**	**150.21**	**3,742.33**	**149.01**	**3,706.93**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21p = Longleaf Pine Plantation
22P - Slash Pine Plantation
22U = Slash Pine Underplanted
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
66** = Oak-Hickory (managed for hardwoods)
NM - not managed

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stands BB0323, BB0327, BB0333, PO314, PO317 PO320 will be non-contiguous as a result of project impacts because the stand that would connect them to the rest of the partition's foraging habitat is < 30 years old and is not considered habitat at this time. As a result, this habitat cannot be counted toward the available foraging habitat for the partition.

Table F-34. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **BB03-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
BB0301	0.23	55	10	16.97	5.56	7.61	5.56	9.17	13.89	31.56	18.43	8.28	26.11	19.44	51.11	6	21	61	3	1	3.03	PS					0.00	0.00
BB0307	1.13	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.00	0.00
BB0311	21.27	19	31P	87.02	26.50	6.96	4.00	0.47	0.50	6.88	0.71	0.00	0.50	4.50	31.50	4	30	9	3	1	2.27	NH					21.27	95.72
BB0315	2.55	84	13	10.31	3.33	3.91	3.33	27.01	43.33	58.47	21.68	6.73	26.67	46.67	76.67	7	3	48	3	1	3.79	PS			2.55	119.01		
BB0317	13.94	88	31	4.23	1.33	0.88	0.67	14.95	28.00	11.22	12.58	3.76	16.00	28.67	46.00	6	9	51	3	2	3.80	PS					13.94	399.66
BB0318	24.91	78	13	4.59	1.00	3.19	2.00	13.38	27.00	34.84	10.96	7.03	20.00	29.00	50.00	2	8	52	3	1	3.88	PS					24.91	722.39
BB0320	11.96	84	31	5.72	2.00	0.54	0.50	12.82	23.50	8.35	1.70	1.16	3.00	24.00	29.00	3	30	18	3	2	4.03	PS					11.96	287.04
BB0321	19.03	88	21	6.13	2.50	16.85	12.50	15.77	22.00	3.61	0.00	0.40	1.00	34.50	38.00	1	20	1	3	2	4.18	PS					19.03	656.54
BB0323	10.04	63	66**	26.79	8.00	5.04	3.50	5.17	7.00	39.89	15.98	4.94	18.50	10.50	37.00	5	14	67	3	1	2.90	PS					0.00	0.00
BB0327	11.46	63	31	26.66	7.50	22.77	17.00	8.52	10.00	6.71	0.00	0.61	1.00	27.00	35.50	5	38	2	3	2	3.49	PS					11.46	309.42
BB0330	1.84	61	13	0.00	0.00	5.18	5.00	23.98	45.00	122.03	0.00	0.00	0.00	50.00	50.00	7	0	0	3	2	3.94	PS			1.84	92.00		
BB0331	12.51	88	21	12.26	4.00	20.19	15.00	10.86	14.50	17.52	4.93	3.19	8.50	29.50	42.00	1	14	21	3	2	3.70	PS					12.51	369.05
BB0333	9.09	65	26	43.21	13.33	18.63	12.22	7.87	10.00	8.36	7.60	7.40	15.56	22.22	51.11	1	39	36	3	2	3.34	PS					9.09	201.98
BB0336	3.31	36	22U	14.41	5.00	16.17	10.50	0.94	1.00	0.00	0.00	0.00	0.00	11.50	16.50	1	40	0	3	2	2.80	PS					3.31	38.07
BB0337	2.20	61	31	0.00	0.00	61.71	43.33	8.27	10.00	0.00	0.00	0.00	0.00	53.33	53.33	6	13	0	3	2	3.10	PS					2.20	117.33
BB0401	2.10	60	25	55.22	15.71	26.68	18.57	11.35	17.14	6.72	15.08	2.47	15.71	35.71	67.14	2	23	32	3	1	3.76	PS					2.10	74.99
BB0405	4.03	57	31	119.67	27.50	33.07	25.00	11.31	20.00	5.19	13.48	6.36	15.00	45.00	87.50	1	8	31	3	1	3.56	PS					4.03	181.35
BB0407	6.08	52	31	3.06	1.00	11.62	7.50	20.50	41.00	66.27	23.12	4.18	21.00	48.50	70.50	7	11	46	3	1	3.75	PS					6.08	294.88
BB0411	4.93	60	31	107.60	27.14	26.22	17.14	0.00	0.00	14.99	2.29	1.30	2.86	17.14	47.14	1	20	12	3	1	2.84	PS					4.93	84.50
BB0419	1.15	57	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	3.56	PS					1.15	45.39
BB0422	0.86	60	21	44.10	11.50	18.46	12.50	13.12	18.50	22.91	4.61	1.73	5.00	31.00	47.50	1	25	17	3	1	3.86	PS					0.86	26.66
BB0424	4.48	67	26	42.00	13.00	22.44	16.00	21.17	32.50	6.39	2.96	1.83	4.50	48.50	66.00	2	15	10	3	1	4.15	PS			4.48	217.28		
BB0425	2.44	48	22P	88.51	26.00	26.97	18.00	2.93	4.00	13.37	2.04	0.00	1.50	22.00	49.50	2	12	6	3	1	2.51	PS					2.44	53.68
P0314	33.59	52	10	22.03	5.63	21.47	15.00	17.33	25.63	51.26	11.00	5.94	15.63	40.63	61.88	7	8	30	3	2	3.64	PS					33.59	1,364.76
P0317	0.20	19	31P	185.79	60.00	28.39	17.14	0.00	0.00	16.60	0.00	0.00	0.00	17.14	77.14	5	19	0	3	2	2.08	NH					0.20	3.43
P0320	12.04	19	31P	201.40	53.00	8.36	5.00	0.00	0.00	0.00	0.00	0.00	0.00	5.00	58.00	1	16	0	3	2	2.31	NH					12.04	60.20
pp5328	0.29	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.29	0.00
pp756*	0.24	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp757*	15.62	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					15.62	0.00
pp879*	8.67	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp880*	2.67	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
	244.86																						**0.00**	**0.00**	**8.87**	**428.29**	**213.01**	**5,387.04**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
BB0327	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					5.02	135.54
BB0331	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					3.09	91.16
BB0333	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					8.44	187.54
			2007 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**16.55**	**414.24**
BB0331	2009	n/a	Tank Trail Construction					0.93	27.44
BB0336	2009	n/a	Tank Trail Construction					1.27	14.61
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**2.20**	**42.05**
BB0331	2012	64790	Battle Command Training Center					1.20	35.40
			2012 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**1.20**	**35.40**
				0.00	**0.00**	**0.00**	**0.00**	**19.95**	**491.69**

POST-PROJECT

	2007		2009		2012	
	Acres	**BA**	**Acres**	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**8.87**	**428.29**	**8.87**	**428.29**	**8.87**	**428.29**
Future Potential Habitat	**196.46**	**4,972.80**	**141.34**	**3,314.04**	**140.14**	**3,278.64**
SUB-TOTAL	**205.33**	**5,401.09**	**150.21**	**3,742.33**	**149.01**	**3,706.93**
non-contiguous habitat	**-52.92**	**-1,616.71**	**0.00**	**0.00**	**0.00**	**0.00**
GRAND TOTAL	**152.41**	**3,784.38**	**150.21**	**3,742.33**	**149.01**	**3,706.93**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21p = Longleaf Pine Plantation
22P - Slash Pine Plantation
22U = Slash Pine Underplanted
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
66** = Oak-Hickory (managed for hardwoods)
NM - not managed

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stands BB0323, BB0327, BB0333, PO314, PO317 PO320 will be non-contiguous as a result of project impacts because the stand that would connect them to the rest of the partition's foraging habitat is < 30 years old and is not considered habitat at this time. As a result, this habitat cannot be counted toward the available foraging habitat for the partition.

Table F-35. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **BB04-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0613	21.03	56	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	1	21.03	967.38				
BB0336	3.40	36	22U	14.41	5.00	16.17	10.50	0.94	1.00	0.00	0.00	0.00	0.00	11.50	16.50	1	40	0	3	2	0					3.40	39.10
BB0337	0.03	61	31	0.00	0.00	61.71	43.33	8.27	10.00	0.00	0.00	0.00	0.00	53.33	53.33	6	13	0	3	2	0			0.03	1.60		
BB0407	1.36	52	31	3.06	1.00	11.62	7.50	20.50	41.00	66.27	23.12	4.18	21.00	48.50	70.50	7	11	46	3	1	0			1.36	65.96		
BB0411	2.15	60	31	107.60	27.14	26.22	17.14	0.00	0.00	14.99	2.29	1.30	2.86	17.14	47.14	1	20	12	3	1	0					2.15	36.85
BB0419	22.96	57	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	0	22.96	906.23				
BB0422	15.15	60	21	44.10	11.50	18.46	12.50	13.12	18.50	22.91	4.61	1.73	5.00	31.00	47.50	1	25	17	3	1	0	15.15	469.65				
BB0424	13.65	67	26	42.00	13.00	22.44	16.00	21.17	32.50	6.39	2.96	1.83	4.50	48.50	66.00	2	15	10	3	1	1	13.65	662.03				
BB0425	11.77	48	22P	88.51	26.00	26.97	18.00	2.93	4.00	13.37	2.04	0.00	1.50	22.00	49.50	2	12	6	3	1	0					11.77	258.94
BB0433	0.13	43	26	3.86	1.67	1.84	1.67	23.26	55.00	0.00	0.00	0.00	0.00	56.67	58.33	1	55	0	3	1	1	0.13	7.37				
BB0434	3.32	43	26P	71.25	15.00	71.90	52.50	34.21	50.00	17.85	0.00	0.00	0.00	102.50	117.50	1	15	0	3	1	0			3.32	340.30		
BB0435	6.72	43	10	116.62	35.00	23.49	16.67	6.82	10.00	21.54	2.31	1.98	5.00	26.67	66.67	5	10	12	3	1	0					6.72	179.22
BB0436	10.92	82	31	41.95	11.00	14.02	10.50	11.27	19.00	8.80	6.18	7.56	17.00	29.50	57.50	1	11	35	3	1	0					10.92	322.14
BB0437	10.85	82	21	10.48	2.50	7.20	5.50	23.02	37.00	4.49	2.44	0.83	2.50	42.50	47.50	1	26	10	3	1	1	10.85	461.13				
BB0439	10.88	67	26	24.41	7.00	18.76	12.50	18.21	27.00	17.27	4.23	3.31	8.00	39.50	54.50	1	20	17	3	1	0	10.88	429.76				
BB0441	5.11	43	25	81.84	26.00	94.35	68.00	36.61	52.00	0.00	0.00	0.00	0.00	120.00	146.00	1	14	0	3	1	0			5.11	613.20		
BB0442	29.25	58	26	40.10	11.50	22.87	16.50	13.42	19.50	6.01	0.58	3.50	7.00	36.00	54.50	1	13	10	3	1	0	29.25	1,053.00				
BB0443	2.45	58	22P	114.97	40.00	132.51	85.00	0.00	0.00	0.00	0.00	0.00	0.00	85.00	125.00	1	25	0	3	1	0			2.45	208.25		
HCC10	0.64	76	21	8.69	2.00	11.19	8.00	12.45	19.50	8.63	0.00	1.05	2.00	27.50	31.50	6	31	4	3	1	0					0.00	0.00
pp310*	10.76	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					10.76	0.00
pp533*	0.35	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.35	0.00
	182.88																					**123.90**	**4,956.55**	**12.27**	**1,229.31**	**46.07**	**836.25**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0613	2008	65439	Road Improvements	5.03	231.38				
BB0419	2008	65322	General Instruction Building Complex	3.08	121.57				
BB0422	2008	65322	General Instruction Building Complex	0.15	4.65				
BB0433	2008	65322	General Instruction Building Complex	0.13	7.37				
BB0434	2008	65322	General Instruction Building Complex			2.17	222.43		
BB0435	2008	65322	General Instruction Building Complex					2.57	68.54
BB0439	2008	65439	Road Improvements	0.08	3.16				
BB0441	2008	65322	General Instruction Building Complex			3.43	411.60		
BB0442	2008	65439	Road Improvements	2.27	81.72				
pp310*	2008	65322	General Instruction Building Complex					10.00	0.00
			2008 SUB-TOTAL	**10.74**	**449.85**	**5.60**	**634.03**	**12.57**	**68.54**
BB0336	2009	n/a	Tank Trail Construction					1.22	14.03
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**1.22**	**14.03**
			TOTAL REMOVALS	**10.74**	**449.85**	**5.60**	**634.03**	**13.79**	**82.57**

POST-PROJECT	**2008**		**2009**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**113.16**	**4,506.70**	**113.16**	**4,506.70**
Potentially Suitable Habitat	**6.67**	**595.29**	**6.67**	**595.29**
Future Potential Habitat	**33.50**	**767.71**	**32.28**	**753.68**
TOTAL	**153.33**	**5,869.69**	**152.11**	**5,855.66**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
22U = Slash Pine Underplanted
25 = Mixed Pine
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-36. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **BB04-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0613	21.03	56	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	3.61	PS					21.03	967.38
BB0336	3.40	36	22U	14.41	5.00	16.17	10.50	0.94	1.00	0.00	0.00	0.00	0.00	11.50	16.50	1	40	0	3	2	2.80	PS					3.40	39.10
BB0337	0.03	61	31	0.00	0.00	61.71	43.33	8.27	10.00	0.00	0.00	0.00	0.00	53.33	53.33	6	13	0	3	2	3.10	PS					0.03	1.60
BB0407	1.36	52	31	3.06	1.00	11.62	7.50	20.50	41.00	66.27	23.12	4.18	21.00	48.50	70.50	7	11	46	3	1	3.75	PS					1.36	65.96
BB0411	2.15	60	31	107.60	27.14	26.22	17.14	0.00	0.00	14.99	2.29	1.30	2.86	17.14	47.14	1	20	12	3	1	2.70	PS					2.15	36.85
BB0419	22.96	57	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	3.56	PS					22.96	906.23
BB0422	15.15	60	21	44.10	11.50	18.46	12.50	13.12	18.50	22.91	4.61	1.73	5.00	31.00	47.50	1	25	17	3	1	3.72	PS					15.15	469.65
BB0424	13.65	67	26	42.00	13.00	22.44	16.00	21.17	32.50	6.39	2.96	1.83	4.50	48.50	66.00	2	15	10	3	1	4.15	PS			13.65	662.03		
BB0425	11.77	48	22P	88.51	26.00	26.97	18.00	2.93	4.00	13.37	2.04	0.00	1.50	22.00	49.50	2	12	6	3	1	2.51	PS					11.77	258.94
BB0433	0.13	43	26	3.86	1.67	1.84	1.67	23.26	55.00	0.00	0.00	0.00	0.00	56.67	58.33	1	55	0	3	1	4.26	PS					0.13	7.37
BB0434	3.32	43	26P	71.25	15.00	71.90	52.50	34.21	50.00	17.85	0.00	0.00	0.00	102.50	117.50	1	15	0	3	1	3.76	PS					3.32	340.30
BB0435	6.72	43	10	116.62	35.00	23.49	16.67	6.82	10.00	21.54	2.31	1.98	5.00	26.67	66.67	5	10	12	3	1	2.69	PS					6.72	179.22
BB0436	10.92	82	31	41.95	11.00	14.02	10.50	11.27	19.00	8.80	6.18	7.56	17.00	29.50	57.50	1	11	35	3	1	3.61	PS					10.92	322.14
BB0437	10.85	82	21	10.48	2.50	7.20	5.50	23.02	37.00	4.49	2.44	0.83	2.50	42.50	47.50	1	26	10	3	1	4.33	PS			10.85	461.13		
BB0439	10.88	67	26	24.41	7.00	18.76	12.50	18.21	27.00	17.27	4.23	3.31	8.00	39.50	54.50	1	20	17	3	1	4.17	PS					10.88	429.76
BB0441	5.11	43	25	81.84	26.00	94.35	68.00	36.61	52.00	0.00	0.00	0.00	0.00	120.00	146.00	1	14	0	3	1	3.67	PS					5.11	613.20
BB0442	29.25	58	26	40.10	11.50	22.87	16.50	13.42	19.50	6.01	0.58	3.50	7.00	36.00	54.50	1	13	10	3	1	3.67	PS					29.25	1,053.00
BB0443	2.45	58	22P	114.97	40.00	132.51	85.00	0.00	0.00	0.00	0.00	0.00	0.00	85.00	125.00	1	25	0	3	1	2.72	PS					2.45	208.25
HCC10	0.64	76	21	8.69	2.00	11.19	8.00	12.45	19.50	8.63	0.00	1.05	2.00	27.50	31.50	6	31	4	3	1	3.66	PS					0.00	0.00
pp310*	10.76	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					10.76	0.00
pp533*	0.35	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.35	0.00
	182.88																						**0.00**	**0.00**	**24.50**	**1,123.16**	**157.74**	**5,898.95**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0613	2008	65439	Road Improvements					5.03	231.38
BB0419	2008	65322	General Instruction Building Complex					3.08	121.57
BB0422	2008	65322	General Instruction Building Complex					0.15	4.65
BB0433	2008	65322	General Instruction Building Complex					0.13	7.37
BB0434	2008	65322	General Instruction Building Complex					2.17	222.43
BB0435	2008	65322	General Instruction Building Complex					2.57	68.54
BB0439	2008	65439	Road Improvements					0.08	3.16
BB0441	2008	65322	General Instruction Building Complex					3.43	411.60
BB0442	2008	65439	Road Improvements					2.27	81.72
pp310*	2008	65322	General Instruction Building Complex					10.00	0.00
			2008 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**28.91**	**1,152.42**
BB0336	2009	n/a	Tank Trail Construction					1.22	14.03
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**1.22**	**14.03**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**30.13**	**1,166.45**

POST-PROJECT	**2008**		**2009**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**24.50**	**1,123.16**	**24.50**	**1,123.16**
Future Potential Habitat	**128.83**	**4,746.53**	**127.61**	**4,732.50**
TOTAL	**153.33**	**5,869.69**	**152.11**	**5,855.66**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
22U = Slash Pine Underplanted
25 = Mixed Pine
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-37. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **BB05-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0606	4.38	53	26	24.46	6.00	29.49	21.50	12.53	20.00	8.68	0.00	1.80	4.00	41.50	51.50	5	24	4	3	1	1	4.38	181.77				
A0608	0.05	45	21	122.80	27.50	22.97	17.00	10.20	14.00	0.00	0.00	0.44	0.50	31.00	59.00	1	31	1	3	1	0			0.05	1.55		
A0613	38.92	56	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	1	38.92	1,790.32				
BB0406	12.62	66	31	123.57	34.50	46.90	30.00	10.27	14.00	5.78	0.67	0.00	0.50	44.00	79.00	1	21	1	3	1	0			12.62	555.28		
BB0407	0.48	52	31	3.06	1.00	11.62	7.50	20.50	41.00	66.27	23.12	4.18	21.00	48.50	70.50	7	11	46	3	1	0			0.48	23.28		
BB0414	2.81	57	31	42.79	10.00	19.18	15.00	3.63	5.00	0.00	0.00	0.00	0.00	20.00	30.00	1	25	0	3	1	0					2.81	56.20
BB0416	3.22	66	25	174.50	50.00	64.75	45.00	1.66	2.50	25.22	10.21	4.38	15.00	47.50	112.50	1	7	18	3	1	0			3.22	152.95		
BB0417	8.18	66	26	116.53	32.50	56.87	37.50	5.51	7.50	0.00	2.25	0.00	1.25	45.00	78.75	1	9	3	3	1	0			8.18	368.10		
BB0419	1.76	57	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	0	1.76	69.47				
BB0426	6.85	43	26	31.52	8.33	30.07	23.33	21.26	30.00	0.00	0.00	0.00	0.00	53.33	61.67	1	28	0	3	1	1	6.85	365.31				
BB0433	6.38	43	26	3.86	1.67	1.84	1.67	23.26	55.00	0.00	0.00	0.00	0.00	56.67	58.33	1	55	0	3	1	1	6.38	361.55				
BB0434	0.27	43	26P	71.25	15.00	71.90	52.50	34.21	50.00	17.85	0.00	0.00	0.00	102.50	117.50	1	15	0	3	1	0	0.27	27.68				
BB0441	0.53	43	25	81.84	26.00	94.35	68.00	36.61	52.00	0.00	0.00	0.00	0.00	120.00	146.00	1	14	0	3	1	0			0.53	63.60		
BB0502	0.62	44	31	104.62	27.00	9.29	6.00	3.92	6.00	4.37	1.78	0.40	1.50	12.00	40.50	1	15	14	3	2	0					0.62	7.44
BB0504	3.07	49	31	104.49	32.50	61.30	40.00	18.79	22.50	0.00	0.00	0.00	0.00	62.50	95.00	7	10	0	3	2	0			3.07	191.88		
BB0509	7.40	44	31	17.18	4.00	10.53	7.50	11.50	17.50	20.44	8.17	5.51	13.00	25.00	42.00	5	19	38	3	2	0					7.40	185.00
BB0510	19.15	32	31	30.67	8.50	28.39	20.50	9.11	11.50	0.00	0.69	0.15	1.00	32.00	41.50	8	22	2	3	2	0			19.15	612.80		
BB0516	17.27	49	31	6.62	1.50	7.31	5.50	20.49	42.00	31.34	19.79	3.94	19.50	47.50	68.50	7	14	46	3	2	0			17.27	820.33		
BB0517	15.67	49	31	21.17	6.00	8.67	6.00	14.81	21.00	6.29	1.48	2.76	6.00	27.00	39.00	6	18	15	3	2	0					15.67	423.09
BB0518	9.81	32	26	75.74	21.11	23.52	16.67	8.13	11.11	0.00	1.15	1.71	3.33	27.78	52.22	6	12	8	3	2	0					9.81	272.52
BB0519	2.43	32	21	167.41	55.00	23.49	15.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	70.00	1	25	0	3	2	0					2.43	36.45
BB0522	16.03	43	42**	2.93	1.00	6.34	5.00	18.31	37.50	45.60	17.92	6.06	22.50	42.50	66.00	7	16	49	3	2	0					0.00	0.00
BB0523	17.24	49	21	25.33	7.50	22.48	16.50	10.51	14.00	9.87	2.61	1.87	5.00	30.50	43.00	1	29	12	3	2	0	17.24	525.82				
BB0524	25.94	49	26	5.07	2.00	11.79	9.00	17.97	25.50	1.33	1.93	1.23	3.50	34.50	40.00	1	13	10	3	2	0	25.94	894.93				
BB0525	11.51	49	26	39.55	10.50	28.77	20.00	15.13	22.50	1.06	0.00	0.00	0.00	42.50	53.00	1	35	0	3	2	1	11.51	489.18				
BB0527	26.28	43	31	36.37	9.50	21.79	16.50	11.76	16.50	2.38	0.80	2.22	4.00	33.00	46.50	8	17	8	3	2	0			26.28	867.24		
BB0528	3.33	47	21	22.88	6.67	19.48	13.33	6.53	10.00	0.00	4.17	0.00	3.33	23.33	33.33	1	20	14	3	2	0					3.33	77.69
BB0530	9.38	47	31	21.31	6.67	21.43	15.56	11.58	16.67	0.00	0.00	0.00	0.00	32.22	38.89	8	17	0	3	2	0			9.38	302.22		
BB0532	1.89	47	25	46.19	10.00	12.23	10.00	14.69	20.00	0.00	0.00	0.00	0.00	30.00	40.00	8	45	0	3	2	0			1.89	56.70		
BB0535	15.84	49	31	9.14	3.00	15.77	13.00	11.76	14.50	0.00	1.05	0.73	2.50	27.50	33.00	8	17	6	3	2	0					15.84	435.60
pp310*	0.57	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.57	0.00
pp595*	2.00	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.00	0.00
pp596*	3.14	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.14	0.00
	295.02																					**113.25**	**4,706.03**	**102.12**	**4,015.93**	**63.62**	**1,493.99**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0606	2008	65439	Infrastructure Support	2.74	113.71				
A0613	2008	65439	Road Improvements	0.80	36.80				
A0613	2008	65439	Infrastructure Support	5.22	240.12				
BB0406	2008	65439	Road Improvements			0.02	0.88		
BB0414	2008	65439	Road Improvements					2.32	46.40
BB0417	2008	65322	General Instruction Building Complex			3.09	139.05		
BB0419	2008	65322	General Instruction Building Complex	0.19	7.50				
BB0426	2008	65322	General Instruction Building Complex	5.94	316.78				
BB0426	2008	65439	Road Improvements	0.85	45.33				
BB0433	2008	65322	General Instruction Building Complex	5.59	316.79				
BB0433	2008	65439	Road Improvements	0.19	10.77				
BB0434	2008	65322	General Instruction Building Complex	0.22	22.55				
BB0510	2008	65439	Road Improvements			0.28	8.96		
BB0518	2008	65439	Road Improvements					0.76	21.11
BB0525	2008	65439	Road Improvements	0.57	24.23				
BB0527	2008	65439	Infrastructure Support			0.01	0.33		
BB0535	2008	65439	Infrastructure Support					1.30	35.75
pp310*	2008	65322	General Instruction Building Complex					0.57	0.00
pp596*	2008	65439	Infrastructure Support					0.02	0.00
			TOTAL REMOVALS	**22.31**	**1,134.58**	**3.40**	**149.22**	**4.97**	**103.26**

POST-PROJECT	**2008**	
	Acres	**BA**
Suitable Habitat	**90.94**	**3,571.45**
Potentially Suitable Habitat	**98.72**	**3,866.71**
Future Potential Habitat	**58.65**	**1,390.73**
TOTAL	**248.31**	**8,828.89**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc = herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21p = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

* No pine data collected for pine plantation stands less than 30 years old.

Table F-38. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **BB05-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable/ Potentially Suitable Acreage	Suitable/ Potentially Suitable BA	Suitable/ Potentially Suitable Acreage	Suitable/ Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0606	4.38	53	26	24.46	6.00	29.49	21.50	12.53	20.00	8.68	0.00	1.80	4.00	41.50	51.50	5	24	4	3	1	3.65	PS					4.38	181.77
A0608	0.05	45	21	122.80	27.50	22.97	17.00	10.20	14.00	0.00	0.00	0.44	0.50	31.00	59.00	1	31	1	3	1	3.34	PS					0.05	1.55
A0613	38.92	56	21	31.05	8.00	30.23	22.00	17.93	24.00	5.42	1.31	0.22	1.50	46.00	55.50	1	14	3	3	2	3.61	PS					38.92	1,790.32
BB0406	12.62	66	31	123.57	34.50	46.90	30.00	10.27	14.00	5.78	0.67	0.00	0.50	44.00	79.00	1	21	1	3	1	3.60	PS					12.62	555.28
BB0407	0.48	52	31	3.06	1.00	11.62	7.50	20.50	41.00	66.27	23.12	4.18	21.00	48.50	70.50	7	11	46	3	1	3.75	PS					0.48	23.28
BB0414	2.81	57	31	42.79	10.00	19.18	15.00	3.63	5.00	0.00	0.00	0.00	0.00	20.00	30.00	1	25	0	3	1	2.94	PS					2.81	56.20
BB0416	3.22	66	25	174.50	50.00	64.75	45.00	1.66	2.50	25.22	10.21	4.38	15.00	47.50	112.50	1	7	18	3	1	2.78	PS					3.22	152.95
BB0417	8.18	66	26	116.53	32.50	56.87	37.50	5.51	7.50	0.00	2.25	0.00	1.25	45.00	78.75	1	9	3	3	1	3.10	PS					8.18	368.10
BB0419	1.76	57	31	36.62	9.47	31.35	22.63	12.14	16.84	10.96	11.13	4.53	15.26	39.47	64.21	1	13	26	3	1	3.56	PS					1.76	69.47
BB0426	6.85	43	26	31.52	8.33	30.07	23.33	21.26	30.00	0.00	0.00	0.00	0.00	53.33	61.67	1	28	0	3	1	4.03	PS					6.85	365.31
BB0433	6.38	43	26	3.86	1.67	1.84	1.67	23.26	55.00	0.00	0.00	0.00	0.00	56.67	58.33	1	55	0	3	1	4.26	PS					6.38	361.55
BB0434	0.27	43	26P	71.25	15.00	71.90	52.50	34.21	50.00	17.85	0.00	0.00	0.00	102.50	117.50	1	15	0	3	1	3.76	PS					0.27	27.68
BB0441	0.53	43	25	81.84	26.00	94.35	68.00	36.61	52.00	0.00	0.00	0.00	0.00	120.00	146.00	1	14	0	3	1	3.67	PS					0.53	63.60
BB0502	0.62	44	31	104.62	27.00	9.29	6.00	3.92	6.00	4.37	1.78	0.40	1.50	12.00	40.50	1	15	14	3	2	2.75	PS					0.62	7.44
BB0504	3.07	49	31	104.49	32.50	61.30	40.00	18.79	22.50	0.00	0.00	0.00	0.00	62.50	95.00	7	10	0	3	2	3.61	PS					3.07	191.88
BB0509	7.40	44	31	17.18	4.00	10.53	7.50	11.50	17.50	20.44	8.17	5.51	13.00	25.00	42.00	5	19	38	3	2	3.28	PS					7.40	185.00
BB0510	19.15	32	31	30.67	8.50	28.39	20.50	9.11	11.50	0.00	0.69	0.15	1.00	32.00	41.50	8	22	2	3	2	3.01	PS					19.15	612.80
BB0516	17.27	49	31	6.62	1.50	7.31	5.50	20.49	42.00	31.34	19.79	3.94	19.50	47.50	68.50	7	14	46	3	2	3.76	PS					17.27	820.33
BB0517	15.67	49	31	21.17	6.00	8.67	6.00	14.81	21.00	6.29	1.48	2.76	6.00	27.00	39.00	6	18	15	3	2	3.61	PS					15.67	423.09
BB0518	9.81	32	26	75.74	21.11	23.52	16.67	8.13	11.11	0.00	1.15	1.71	3.33	27.78	52.22	6	12	8	3	2	2.80	PS					9.81	272.52
BB0519	2.43	32	21	167.41	55.00	23.49	15.00	0.00	0.00	0.00	0.00	0.00	0.00	15.00	70.00	1	25	0	3	2	2.55	PS					2.43	36.45
BB0522	16.03	43	42**	2.93	1.00	6.34	5.00	18.31	37.50	45.60	17.92	6.06	22.50	42.50	66.00	7	16	49	3	2	3.76	PS					0.00	0.00
BB0523	17.24	49	21	25.33	7.50	22.48	16.50	10.51	14.00	9.87	2.61	1.87	5.00	30.50	43.00	1	29	12	3	2	3.51	PS					17.24	525.82
BB0524	25.94	49	26	5.07	2.00	11.79	9.00	17.97	25.50	1.33	1.93	1.23	3.50	34.50	40.00	1	13	10	3	2	3.45	PS					25.94	894.93
BB0525	11.51	49	26	39.55	10.50	28.77	20.00	15.13	22.50	1.06	0.00	0.00	0.00	42.50	53.00	1	35	0	3	2	4.09	PS					11.51	489.18
BB0527	26.28	43	31	36.37	9.50	21.79	16.50	11.76	16.50	2.38	0.80	2.22	4.00	33.00	46.50	8	17	8	3	2	3.23	PS					26.28	867.24
BB0528	3.33	47	21	22.88	6.67	19.48	13.33	6.53	10.00	0.00	4.17	0.00	3.33	23.33	33.33	1	20	14	3	2	3.03	PS					3.33	77.69
BB0530	9.38	47	31	21.31	6.67	21.43	15.56	11.58	16.67	0.00	0.00	0.00	0.00	32.22	38.89	8	17	0	3	2	3.20	PS					9.38	302.22
BB0532	1.89	47	25	46.19	10.00	12.23	10.00	14.69	20.00	0.00	0.00	0.00	0.00	30.00	40.00	8	45	0	3	2	3.73	PS					1.89	56.70
BB0535	15.84	49	31	9.14	3.00	15.77	13.00	11.76	14.50	0.00	1.05	0.73	2.50	27.50	33.00	8	17	6	3	2	3.08	PS					15.84	435.60
pp310*	0.57	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.57	0.00
pp595*	2.00	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.00	0.00
pp596*	3.14	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.14	0.00
	295.02																						**0.00**	**0.00**	**0.00**	**0.00**	**278.99**	**10,215.95**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0606	2008	65439	Infrastructure Support					2.74	113.71
A0613	2008	65439	Road Improvements					0.80	36.80
A0613	2008	65439	Infrastructure Support					5.22	240.12
BB0406	2008	65439	Road Improvements					0.02	0.88
BB0414	2008	65439	Road Improvements					2.32	46.40
BB0417	2008	65322	General Instruction Building Complex					3.09	139.05
BB0419	2008	65322	General Instruction Building Complex					0.19	7.50
BB0426	2008	65322	General Instruction Building Complex					5.94	316.78
BB0426	2008	65439	Road Improvements					0.85	45.33
BB0433	2008	65322	General Instruction Building Complex					5.59	316.79
BB0433	2008	65439	Road Improvements					0.19	10.77
BB0434	2008	65322	General Instruction Building Complex					0.22	22.55
BB0510	2008	65439	Road Improvements					0.28	8.96
BB0518	2008	65439	Road Improvements					0.76	21.11
BB0525	2008	65439	Road Improvements					0.57	24.23
BB0527	2008	65439	Infrastructure Support					0.01	0.33
BB0535	2008	65439	Infrastructure Support					1.30	35.75
pp310*	2008	65322	General Instruction Building Complex					0.57	0.00
pp596*	2008	65439	Infrastructure Support					0.02	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**30.68**	**1,387.06**

POST-PROJECT	**2008**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**248.31**	**8,828.89**
TOTAL	**248.31**	**8,828.89**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc = herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21p = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* No pine data collected for pine plantation stands less than 30 years old.

Table F-39. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D05-02R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0508	2.75	52	11	8.32	2.00	4.24	3.00	9.81	18.50	78.03	19.09	6.75	23.50	21.50	47.00	7	7	65	3	1	0					2.75	59.13
D0509	1.14	64	21	4.28	1.00	8.44	6.00	16.67	27.50	28.86	6.64	3.62	10.00	33.50	44.50	1	31	29	3	1	0	1.14	38.19				
D0510	17.89	44	31	16.97	4.00	16.52	12.50	17.68	28.00	6.41	1.11	3.20	7.50	40.50	52.00	1	34	11	3	1	1	17.89	724.55				
D0512	81.70	59	21	2.50	1.00	10.73	8.00	17.09	28.00	1.24	0.55	1.16	2.50	36.00	39.50	1	36	6	3	1	0	81.70	2,941.20				
D0513	22.07	58	25	18.35	4.50	33.22	24.00	19.71	27.50	2.28	3.53	0.91	4.00	51.50	60.00	1	35	8	3	1	1	22.07	1,136.61				
D0514	36.34	51	21	11.97	2.50	1.31	1.00	12.15	21.00	2.46	1.50	0.84	3.00	22.00	27.50	2	33	15	3	1	0					36.34	799.48
D0604	5.40	83	13	16.37	4.00	4.40	3.50	18.90	42.00	44.26	9.61	3.65	12.00	45.50	61.50	6	4	36	3	1	0			0.00	0.00		
pp226	0.60	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
	167.89																					**122.80**	**4,840.55**	**0.00**	**0.00**	**39.09**	**858.61**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0510	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	3.01	121.91				
D0513	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	0.01	0.52				
D0514	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					10.52	231.44
			TOTAL REMOVALS	**3.02**	**122.43**	**0.00**	**0.00**	**10.52**	**231.44**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**119.78**	**4,718.12**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**28.57**	**627.17**
TOTAL	**148.35**	**5,345.29**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
11 = Longleaf Pine-Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Indicates that the stand did not meet Managed Stability criteria, but was counted towards the suitable/potentially suitable acreage totals.

Table F-40. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D05-02R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0508	2.75	52	11	8.32	2.00	4.24	3.00	9.81	18.50	78.03	19.09	6.75	23.50	21.50	47.00	7	7	65	3	1	3.05	PS					2.75	59.13
D0509	1.14	64	21	4.28	1.00	8.44	6.00	16.67	27.50	28.86	6.64	3.62	10.00	33.50	44.50	1	31	29	3	1	4.23	PS					1.14	38.19
D0510	17.89	44	31	16.97	4.00	16.52	12.50	17.68	28.00	6.41	1.11	3.20	7.50	40.50	52.00	1	34	11	3	1	4.00	PS					17.89	724.55
D0512	81.70	59	21	2.50	1.00	10.73	8.00	17.09	28.00	1.24	0.55	1.16	2.50	36.00	39.50	1	36	6	3	1	4.09	PS					81.70	2,941.20
D0513	22.07	58	25	18.35	4.50	33.22	24.00	19.71	27.50	2.28	3.53	0.91	4.00	51.50	60.00	1	35	8	3	1	4.29	PS					22.07	1,136.61
D0514	36.34	51	21	11.97	2.50	1.31	1.00	12.15	21.00	2.46	1.50	0.84	3.00	22.00	27.50	2	33	15	3	1	3.84	PS					36.34	799.48
D0604	5.40	83	13	16.37	4.00	4.40	3.50	18.90	42.00	44.26	9.61	3.65	12.00	45.50	61.50	6	4	36	3	1	3.90	PS			0.00	0.00		
pp226*	0.60	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
	167.89																						**0.00**	**0.00**	**0.00**	**0.00**	**161.89**	**5,699.16**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0510	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.01	121.91
D0513	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.01	0.52
D0514	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					10.52	231.44
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**13.54**	**353.87**

POST-PROJECT

	2009	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**148.35**	**5,345.29**
TOTAL	**148.35**	**5,345.29**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
11 = Longleaf Pine-Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-41. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D05-04R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0410	10.46	48	31	18.68	7.50	40.08	29.50	14.40	20.50	0.00	0.92	0.00	0.50	50.00	58.00	1	30	2	3	2	1	10.46	523.00				
D0411	5.44	40	21	43.28	12.94	12.42	9.41	7.50	10.59	3.00	0.00	0.00	0.00	20.00	32.94	1	24	0	3	2	0					5.44	108.80
D0412	20.42	46	13	7.79	2.50	12.13	9.50	14.44	21.50	0.00	1.33	4.11	9.50	31.00	43.00	2	39	17	3	2	0	20.42	633.02				
D0413	47.31	75	31	11.37	3.50	20.39	15.50	15.70	24.00	1.11	0.00	0.69	2.00	39.50	45.00	1	21	2	3	2	0	47.31	1,868.75				
D0414	7.24	0	53*	6.16	1.50	0.52	0.50	2.71	5.00	13.18	6.92	6.90	17.00	5.50	24.00	2	17	81	3	2	0					0.00	0.00
D0415	48.27	49	31	15.43	4.50	19.88	14.50	19.02	27.50	0.00	0.58	0.67	1.50	42.00	48.00	1	41	3	3	2	1	48.27	2,027.34				
D0509	14.15	64	21	4.28	1.00	8.44	6.00	16.67	27.50	28.86	6.64	3.62	10.00	33.50	44.50	1	31	29	3	1	0	14.15	474.03				
D0510	66.31	44	31	16.97	4.00	16.52	12.50	17.68	28.00	6.41	1.11	3.20	7.50	40.50	52.00	1	34	11	3	1	1	66.31	2,685.56				
F0201	9.77	44	25	3.18	1.11	23.01	17.78	23.30	32.22	0.00	0.00	0.00	0.00	50.00	51.11	1	12	0	3	1	1	9.77	488.50				
F0202	6.80	52	22P	9.59	2.00	22.76	18.00	13.51	18.00	0.00	0.53	0.00	0.50	36.00	38.50	1	25	1	3	1	0	6.80	244.80				
F0203	0.71	52	10	5.81	2.00	6.52	4.50	9.23	14.50	8.64	3.28	3.75	9.00	19.00	30.00	1	24	31	3	1	0					0.71	13.49
K2102	0.14	62	21	24.21	5.79	18.01	13.16	17.01	25.79	13.37	6.43	2.47	7.89	38.95	52.63	1	12	20	3	1	0	0.14	5.45				
K2104	8.49	51	31	21.32	6.00	18.25	14.00	19.08	27.00	0.00	0.00	0.00	0.00	41.00	47.00	2	45	0	3	1	1	8.49	348.09				
K2106	3.43	57	21	7.08	1.67	18.46	14.44	16.16	25.56	5.48	0.00	0.73	1.11	40.00	42.78	2	36	2	3	1	1	3.43	137.20				
K2219	16.23	64	21	22.33	5.88	11.11	8.24	9.77	15.29	4.95	0.94	0.55	1.76	23.53	31.18	1	15	7	3	1	0					16.23	381.89
K2220	19.51	50	31	19.33	6.00	14.89	11.00	20.80	30.50	3.09	0.00	0.24	0.50	41.50	48.00	1	34	1	3	1	1	19.51	809.67				
pp970*	13.12	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					13.12	0.00
pp971*	3.23	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.23	0.00
pp972*	5.81	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.81	0.00
pp973*	3.73	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.73	0.00
	310.57																					**255.06**	**10,245.41**	**0.00**	**0.00**	**48.27**	**504.18**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0413	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	1.06	41.87				
D0415	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	20.22	849.24				
D0510	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	18.49	748.85				
F0201	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	9.52	476.00				
F0202	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	6.80	244.80				
F0203	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.71	13.49
K2102	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	0.14	5.45				
K2104	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	6.48	265.68				
K2106	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	0.31	12.40				
K2219	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					15.39	362.13
K2220	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	6.19	256.89				
pp972*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.31	0.00
pp973*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.23	0.00
			TOTAL REMOVALS	**69.21**	**2,901.18**	**0.00**	**0.00**	**21.64**	**375.62**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**185.85**	**7,344.23**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**26.63**	**128.56**
SUB-TOTAL	**212.48**	**7,472.79**
non-contiguous habitat	**-5.38**	**-219.71**
TOTAL	**207.10**	**7,253.08**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
22P = Slash Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
53* = White Oak-Red Oak-Hickory (managed for hardwoods)

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Stands F0201, K2104 and K2106 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from these stands were not considered.

Table F-42. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D05-04R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0410	10.46	48	31	18.68	7.50	40.08	29.50	14.40	20.50	0.00	0.92	0.00	0.50	50.00	58.00	1	30	2	3	2	4.15	PS					10.46	523.00
D0411	5.44	40	21	43.28	12.94	12.42	9.41	7.50	10.59	3.00	0.00	0.00	0.00	20.00	32.94	1	24	0	3	2	3.24	PS					5.44	108.80
D0412	20.42	46	13	7.79	2.50	12.13	9.50	14.44	21.50	0.00	1.33	4.11	9.50	31.00	43.00	2	39	17	3	2	4.05	PS					20.42	633.02
D0413	47.31	75	31	11.37	3.50	20.39	15.50	15.70	24.00	1.11	0.00	0.69	2.00	39.50	45.00	1	21	2	3	2	4.28	PS					47.31	1,868.75
D0414	7.24	0	53*	6.16	1.50	0.52	0.50	2.71	5.00	13.18	6.92	6.90	17.00	5.50	24.00	2	17	81	3	2	2.60	NH					0.00	0.00
D0415	48.27	49	31	15.43	4.50	19.88	14.50	19.02	27.50	0.00	0.58	0.67	1.50	42.00	48.00	1	41	3	3	2	4.41	PS					48.27	2,027.34
D0509	14.15	64	21	4.28	1.00	8.44	6.00	16.67	27.50	28.86	6.64	3.62	10.00	33.50	44.50	1	31	29	3	1	4.23	PS					14.15	474.03
D0510	66.31	44	31	16.97	4.00	16.52	12.50	17.68	28.00	6.41	1.11	3.20	7.50	40.50	52.00	1	34	11	3	1	4.00	PS					66.31	2,685.56
F0201	9.77	44	25	3.18	1.11	23.01	17.78	23.30	32.22	0.00	0.00	0.00	0.00	50.00	51.11	1	12	0	3	1	3.95	PS					9.77	488.50
F0202	6.80	52	22P	9.59	2.00	22.76	18.00	13.51	18.00	0.00	0.53	0.00	0.50	36.00	38.50	1	25	1	3	1	3.85	PS					6.80	244.80
F0203	0.71	52	10	5.81	2.00	6.52	4.50	9.23	14.50	8.64	3.28	3.75	9.00	19.00	30.00	1	24	31	3	1	3.41	PS					0.71	13.49
K2102	0.14	62	21	24.21	5.79	18.01	13.16	17.01	25.79	13.37	6.43	2.47	7.89	38.95	52.63	1	12	20	3	1	4.01	PS					0.14	5.45
K2104	8.49	51	31	21.32	6.00	18.25	14.00	19.08	27.00	0.00	0.00	0.00	0.00	41.00	47.00	2	45	0	3	1	4.38	PS					8.49	348.09
K2106	3.43	57	21	7.08	1.67	18.46	14.44	16.16	25.56	5.48	0.00	0.73	1.11	40.00	42.78	2	36	2	3	1	4.14	PS					3.43	137.20
K2219	16.23	64	21	22.33	5.88	11.11	8.24	9.77	15.29	4.95	0.94	0.55	1.76	23.53	31.18	1	15	7	3	1	3.62	PS					16.23	381.89
K2220	19.51	50	31	19.33	6.00	14.89	11.00	20.80	30.50	3.09	0.00	0.24	0.50	41.50	48.00	1	34	1	3	1	4.29	PS					19.51	809.67
pp970*	13.12	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	NH					13.12	0.00
pp971*	3.23	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	NH					3.23	0.00
pp972*	5.81	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	NH					5.81	0.00
pp973*	3.73	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	NH					3.73	0.00
	310.57																						**0.00**	**0.00**	**0.00**	**0.00**	**303.33**	**10,749.59**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0413	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.06	41.87
D0415	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					20.22	849.24
D0510	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					18.49	748.85
F0201	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					9.52	476.00
F0202	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					6.80	244.80
F0203	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.71	13.49
K2102	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.14	5.45
K2104	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					6.48	265.68
K2106	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.31	12.40
K2219	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					15.39	362.13
K2220	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					6.19	256.89
pp972*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.31	0.00
pp973*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.23	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**90.85**	**3,276.80**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**212.48**	**7,472.79**
SUB-TOTAL	**212.48**	**7,472.79**
non-contiguous habitat	**-5.38**	**-219.71**
TOTAL	**207.10**	**7,253.08**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
22P = Slash Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
53* = White Oak-Red Oak-Hickory (managed for hardwoods)

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Stands F0201, K2104 and K2106 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from these stands were not considered.

Table F-43. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D08-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0717	1.01	19	31P	311.72	98.00	37.62	22.00	0.00	0.00	9.32	0.00	0.00	0.00	22.00	120.00	1	11	0	3	1	0					0.00	0.00
D0719	6.68	50	10	45.10	13.33	10.86	7.78	5.94	9.44	10.65	9.20	5.95	15.00	17.22	45.56	6	27	47	3	1	0					0.00	0.00
D0721	0.52	35	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
D0805	30.68	92	66****	6.35	1.50	1.06	1.00	3.06	5.00	36.40	29.84	13.02	40.00	6.00	47.50	7	11	91	3	1	0					0.00	0.00
D0808	12.80	78	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					12.80	0.00
D0809	44.16	55	32	28.96	8.95	29.61	20.53	15.32	21.58	4.24	4.59	2.76	6.84	42.11	57.89	1	37	14	3	1	1	44.16	1,859.58				
D0811	17.95	99	31	11.97	3.00	2.23	2.00	7.34	12.00	2.03	4.53	1.79	7.00	14.00	24.00	2	26	40	3	1	0					17.95	251.30
D0813	8.92	90	42**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					8.92	0.00
D0815	14.57	90	32	17.46	4.50	13.81	9.00	3.16	5.00	27.37	9.27	1.20	8.00	14.00	26.50	1	32	38	3	1	0					14.57	203.98
D0818	42.44	83	32	23.72	6.32	16.83	12.63	11.94	18.42	8.98	3.43	0.87	4.21	31.05	41.58	1	29	13	3	1	0	42.44	1,317.76				
D0819	51.22	62	42**	3.00	1.05	3.35	2.11	7.35	12.11	36.18	25.41	10.51	34.21	14.21	49.47	2	22	77	3	1	0					0.00	0.00
D0820	0.39	105	57***	6.05	1.67	2.44	1.67	3.66	5.56	2.31	5.63	3.76	10.00	7.22	18.89	1	47	61	3	1	0					0.00	0.00
D0914	0.68	58	31U	2.85	1.05	6.12	4.74	18.10	30.00	9.51	0.91	0.67	1.58	34.74	37.37	2	23	6	3	1	0	0.68	23.62				
D0915	36.33	58	32	31.55	7.50	8.92	6.88	11.07	16.88	6.89	5.55	2.28	6.88	23.75	38.13	2	32	28	3	1	0					36.33	862.84
D0916	2.00	0	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					2.00	0.00
D0917	4.17	0	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					4.17	0.00
I0304	1.59	68	25U	7.74	3.33	11.06	8.33	19.86	35.00	20.16	2.44	2.30	6.67	43.33	53.33	1	18	13	3	1	1	1.59	68.89				
I0305	11.48	68	25	23.06	7.50	23.81	17.50	14.01	18.00	2.68	1.40	0.26	1.50	35.50	44.50	1	31	4	3	1	0	11.48	407.54				
I0312	0.12	60	25	74.91	21.50	24.15	16.00	6.08	8.50	14.02	0.90	0.00	0.50	24.50	46.50	1	20	3	3	1	0					0.12	2.94
I0402	12.74	40	25	21.76	5.00	12.22	9.50	15.30	24.00	2.31	0.79	0.65	2.00	33.50	40.50	1	46	5	3	1	0	12.74	426.79				
pp115*	5.85	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.85	0.00
pp116*	4.80	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.80	0.00
pp117*	16.49	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					16.49	0.00
pp233*	1.36	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp439*	3.48	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.48	0.00
pp440*	5.36	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.36	0.00
pp441*	6.64	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					6.64	0.00
	344.36																					**113.10**	**4,104.18**	**0.00**	**0.00**	**139.48**	**1,321.06**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0915	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.71	16.86
I0304	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.38	16.47				
I0305	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.71	25.21				
I0402	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.52	50.92				
			TOTAL REMOVALS	**2.61**	**92.60**	**0.00**	**0.00**	**0.71**	**16.86**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**110.49**	**4,011.58**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**138.77**	**1,304.20**
TOTAL	**249.25**	**5,315.78**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21P = Longleaf Pine Plantation
25 = Mixed Pine
25U = Mixed Pine Underplanted
31 = Loblolly Pine
31P = Loblolly Pine Plantation
31U = Loblolly Pine Underplanted
32 = Shortleaf Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
57*** = Scrub Oak (managed for hardwoods)
66**** = Oak-Hickory (managed for hardwoods)
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-44. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D08-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0717	1.01	19	31P	311.72	98.00	37.62	22.00	0.00	0.00	9.32	0.00	0.00	0.00	22.00	120.00	1	11	0	3	1	2.21	NH					0.00	0.00
D0719	6.68	50	10	45.10	13.33	10.86	7.78	5.94	9.44	10.65	9.20	5.95	15.00	17.22	45.56	6	27	47	3	1	2.67	PS					0.00	0.00
D0721	0.52	35	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.89	PS					0.00	0.00
D0805	30.68	92	66***	6.35	1.50	1.06	1.00	3.06	5.00	36.40	29.84	13.02	40.00	6.00	47.50	7	11	91	3	1	2.66	PS					0.00	0.00
D0808	12.80	78	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.31	PS					12.80	0.00
D0809	44.16	55	32	28.96	8.95	29.61	20.53	15.32	21.58	4.24	4.59	2.76	6.84	42.11	57.89	1	37	14	3	1	4.12	PS					44.16	1,859.58
D0811	17.95	99	31	11.97	3.00	2.23	2.00	7.34	12.00	2.03	4.53	1.79	7.00	14.00	24.00	2	26	40	3	1	3.39	PS					17.95	251.30
D0813	8.92	90	42**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.31	PS					8.92	0.00
D0815	14.57	90	32	17.46	4.50	13.81	9.00	3.16	5.00	27.37	9.27	1.20	8.00	14.00	26.50	1	32	38	3	1	3.20	PS					14.57	202.58
D0818	42.44	83	32	23.72	6.32	16.83	12.63	11.94	18.42	8.98	3.43	0.87	4.21	31.05	41.58	1	29	13	3	1	3.77	PS					42.44	1,314.66
D0819	51.22	62	42**	3.00	1.05	3.35	2.11	7.35	12.11	36.18	25.41	10.51	34.21	14.21	49.47	2	22	77	3	1	3.39	PS					0.00	0.00
D0820	0.39	105	57***	6.05	1.67	2.44	1.67	3.66	5.56	2.31	5.63	3.76	10.00	7.22	18.89	1	47	61	3	1	3.30	PS					0.00	0.00
D0914	0.68	58	31U	2.85	1.05	6.12	4.74	18.10	30.00	9.51	0.91	0.67	1.58	34.74	37.37	2	23	6	3	1	4.14	PS					0.68	23.62
D0915	36.33	58	32	31.55	7.50	8.92	6.88	11.07	16.88	6.89	5.55	2.28	6.88	23.75	38.13	2	32	28	3	1	3.67	PS					36.33	862.84
D0916	2.00	0	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					2.00	0.00
D0917	4.17	0	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					4.17	0.00
I0304	1.59	68	25U	7.74	3.33	11.06	8.33	19.86	35.00	20.16	2.44	2.30	6.67	43.33	53.33	1	18	13	3	1	4.23	PS			1.59	68.89		
I0305	11.48	68	25	23.06	7.50	23.81	17.50	14.01	18.00	2.68	1.40	0.26	1.50	35.50	44.50	1	31	4	3	1	4.08	PS					11.48	407.54
I0312	0.12	60	25	74.91	21.50	24.15	16.00	6.08	8.50	14.02	0.90	0.00	0.50	24.50	46.50	1	20	3	3	1	2.96	PS					0.12	2.94
I0402	12.74	40	25	21.76	5.00	12.22	9.50	15.30	24.00	2.31	0.79	0.65	2.00	33.50	40.50	1	46	5	3	1	3.90	PS					12.74	426.79
pp115*	5.85	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					5.85	0.00
pp116*	4.80	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.80	0.00
pp117*	16.49	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					16.49	0.00
pp233*	1.36	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp439*	3.48	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.48	0.00
pp440*	5.36	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					5.36	0.00
pp441*	6.64	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					6.64	0.00
	344.36																						**0.00**	**0.00**	**1.59**	**68.89**	**250.98**	**5,351.85**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0915	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.71	16.86
I0304	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.38	16.47		
I0305	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.71	25.21
I0402	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.52	50.92
			TOTAL REMOVALS	**0.00**	**0.00**	**0.38**	**16.47**	**2.94**	**92.99**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**1.21**	**52.42**
Future Potential Habitat	**248.04**	**5,258.86**
TOTAL	**249.25**	**5,315.78**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21P = Longleaf Pine Plantation
25 = Mixed Pine
25U = Mixed Pine Underplanted
31 = Loblolly Pine
31P = Loblolly Pine Plantation
31U = Loblolly Pine Underplanted
32 = Shortleaf Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
57*** = Scrub Oak (managed for hardwoods)
66**** = Oak-Hickory (managed for hardwoods)
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-45. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D10-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1001	0.28	46	62**	39.31	10.00	6.84	4.74	5.03	9.47	34.67	9.64	8.72	20.00	14.21	44.21	2	26	61	3	1	0					0.00	0.00
D1004	13.56	54	31U	9.59	2.50	22.94	17.50	13.17	17.50	5.16	1.77	2.10	4.50	35.00	42.00	4	59	10	3	1	0			0.00	0.00		
D1005	4.28	54	31	15.27	5.00	10.52	7.50	23.45	35.00	31.92	3.79	0.00	2.50	42.50	50.00	2	18	10	3	1	1	0.00	0.00				
D1006	3.29	12	31	237.54	47.50	0.00	0.00	0.00	0.00	18.75	4.41	2.18	5.00	0.00	52.50	1	3	100	3	1	0					0.00	0.00
D1016	2.48	84	13	9.97	2.50	2.21	1.50	8.97	17.50	14.38	12.87	8.22	26.00	19.00	47.50	5	22	65	3	1	0					0.00	0.00
D1112	3.04	90	26	27.98	6.50	9.87	7.50	15.59	23.50	26.72	7.36	6.09	13.50	31.00	51.00	1	33	35	3	1	0	0.00	0.00				
D1114	3.98	56	26	13.70	4.00	5.66	4.00	14.40	24.00	8.13	6.30	2.53	8.00	28.00	40.00	1	41	31	3	1	0					3.98	111.44
D1122	1.37	6	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
D1712	1.41	79	21	28.01	7.50	20.18	15.50	17.01	25.00	15.71	4.28	0.24	4.00	40.50	52.00	1	39	11	3	1	1	1.41	57.11				
D1716	0.91	85	25	45.18	11.00	7.34	5.50	15.81	27.00	8.10	0.54	0.00	0.50	32.50	44.00	1	41	2	3	1	0	0.91	29.58				
D1718	1.30	67	31	1.21	0.50	9.38	7.00	16.71	27.50	7.62	1.48	0.63	2.00	34.50	37.00	2	51	7	3	1	0	1.30	44.85				
D1720	6.54	92	66***	22.91	7.00	10.36	7.50	4.10	5.00	47.55	23.77	4.79	25.00	12.50	44.50	1	37	66	3	1	0					0.00	0.00
D1722	11.12	49	25	123.03	33.00	18.77	12.50	3.28	4.50	14.06	1.43	2.32	5.50	17.00	55.50	1	40	15	3	1	0					11.12	189.04
D1729	40.62	81	31	8.34	2.50	7.94	6.00	18.15	27.00	1.87	1.22	0.45	1.50	33.00	37.00	1	46	6	3	1	0	40.62	1,340.46				
D1730	14.04	78	32	47.81	13.50	14.11	9.50	10.14	17.00	1.02	4.08	3.42	8.50	26.50	48.50	1	37	24	3	1	0					14.04	372.06
D1733	5.67	72	31	16.19	4.50	14.50	10.00	12.57	19.00	7.27	4.84	2.20	7.50	29.00	41.00	2	23	21	3	1	0					0.00	0.00
pp259*	12.52	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					12.52	0.00
pp396*	0.37	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp514*	22.24	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					22.24	0.00
pp515*	0.06	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp728*	0.03	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp729*	6.15	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp730*	11.98	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp731*	2.70	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp806*	12.76	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					12.76	0.00
	182.70																					**44.24**	**1,472.00**	**0.00**	**0.00**	**76.66**	**672.54**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp259*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.35	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**1.35**	**0.00**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**44.24**	**1,472.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**75.31**	**672.54**
TOTAL	**119.55**	**2,144.54**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31U = Loblolly Pine Underplanted
32 = Shortleaf Pine
62** = Sweetgum-Water Oak-Willow Oak (managed for hardwoods)
66*** = Oak-Hickory (managed for hardwoods)
ND = No data provided

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-46. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D10-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1001	0.28	46	62**	39.31	10.00	6.84	4.74	5.03	9.47	34.67	9.64	8.72	20.00	14.21	44.21	2	26	61	3	1	2.91	PS					0.00	0.00
D1004	13.56	54	31U	9.59	2.50	22.94	17.50	13.17	17.50	5.16	1.77	2.10	4.50	35.00	42.00	4	59	10	3	1	3.94	PS					0.00	0.00
D1005	4.28	54	31	15.27	5.00	10.52	7.50	23.45	35.00	31.92	3.79	0.00	2.50	42.50	50.00	2	18	10	3	1	4.09	PS					0.00	0.00
D1006	3.29	12	31	237.54	47.50	0.00	0.00	0.00	0.00	18.75	4.41	2.18	5.00	0.00	52.50	1	3	100	3	1	2.05	NH					0.00	0.00
D1016	2.48	84	13	9.97	2.50	2.21	1.50	8.97	17.50	14.38	12.87	8.22	26.00	19.00	47.50	5	22	65	3	1	3.15	PS					0.00	0.00
D1112	3.04	90	26	27.98	6.50	9.87	7.50	15.59	23.50	26.72	7.36	6.09	13.50	31.00	51.00	1	33	35	3	1	4.15	PS					0.00	0.00
D1114	3.98	56	26	13.70	4.00	5.66	4.00	14.40	24.00	8.13	6.30	2.53	8.00	28.00	40.00	1	41	31	3	1	4.14	PS					3.98	111.44
D1122	1.37	6	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.00	0.00
D1712	1.41	79	21	28.01	7.50	20.18	15.50	17.01	25.00	15.71	4.28	0.24	4.00	40.50	52.00	1	39	11	3	1	4.25	PS					1.41	57.11
D1716	0.91	85	25	45.18	11.00	7.34	5.50	15.81	27.00	8.10	0.54	0.00	0.50	32.50	44.00	1	41	2	3	1	4.20	PS					0.91	29.58
D1718	1.30	67	31	1.21	0.50	9.38	7.00	16.71	27.50	7.62	1.48	0.63	2.00	34.50	37.00	2	51	7	3	1	4.33	PS					1.30	44.85
D1720	6.54	92	66***	22.91	7.00	10.36	7.50	4.10	5.00	47.55	23.77	4.79	25.00	12.50	44.50	1	37	66	3	1	3.19	PS					0.00	0.00
D1722	11.12	49	25	123.03	33.00	18.77	12.50	3.28	4.50	14.06	1.43	2.32	5.50	17.00	55.50	1	40	15	3	1	2.63	PS					11.12	189.04
D1729	40.62	81	31	8.34	2.50	7.94	6.00	18.15	27.00	1.87	1.22	0.45	1.50	33.00	37.00	1	46	6	3	1	4.48	PS					40.62	1,340.46
D1730	14.04	78	32	47.81	13.50	14.11	9.50	10.14	17.00	1.02	4.08	3.42	8.50	26.50	48.50	1	37	24	3	1	3.76	PS					14.04	372.06
D1733	5.67	72	31	16.19	4.50	14.50	10.00	12.57	19.00	7.27	4.84	2.20	7.50	29.00	41.00	2	23	21	3	1	3.79	PS					0.00	0.00
pp259*	12.52	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					12.52	0.00
pp396*	0.37	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp514*	22.24	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					22.24	0.00
pp515*	0.06	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp728*	0.03	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp729*	6.15	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp730*	11.98	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp731*	2.70	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp806*	12.76	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					12.76	0.00
	182.70																						**0.00**	**0.00**	**0.00**	**0.00**	**120.90**	**2,144.54**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp259*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.35	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**1.35**	**0.00**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**119.55**	**2,144.54**
TOTAL	**119.55**	**2,144.54**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31U = Loblolly Pine Underplanted
32 = Shortleaf Pine
62** = Sweetgum-Water Oak-Willow Oak (managed for hardwoods)
66*** = Oak-Hickory (managed for hardwoods)
ND = No data provided

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-47. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D11-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1102	2.42	87	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	0					2.42	62.92
D1103	0.41	87	21	10.52	2.50	12.22	9.50	27.54	41.00	3.61	0.68	0.78	1.50	50.50	54.50	1	21	4	3	1	1	0.41	20.71				
D1109	63.68	77	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	0	63.68	2,451.68				
D1110	0.92	6	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.92	0.00
D1112	7.17	90	26	27.98	6.50	9.87	7.50	15.59	23.50	26.72	7.36	6.09	13.50	31.00	51.00	1	33	35	3	1	0	7.17	222.27				
D1115	19.04	68	31U	16.31	4.00	9.15	7.00	19.10	29.50	5.16	2.20	2.18	5.50	36.50	46.00	1	40	13	3	1	0	19.04	694.96				
D1122	0.08	6	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
E0406	1.41	75	10	18.48	5.26	10.78	7.37	11.06	16.32	2.76	3.39	4.75	12.11	23.68	41.05	2	48	27	3	1	0					1.41	33.39
E0413	2.72	78	31	13.21	4.00	7.49	5.50	15.39	25.00	10.36	6.20	5.17	12.00	30.50	46.50	1	44	33	3	1	0	2.72	82.96				
pp515*	13.46	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					13.46	0.00
pp516*	26.19	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					26.19	0.00
pp539*	0.85	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.85	0.00
pp540*	2.34	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.34	0.00
pp731*	1.88	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.88	0.00
	142.57																					**93.02**	**3,472.58**	**0.00**	**0.00**	**49.47**	**96.31**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1109	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	27.61	1,062.99				
D1110	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.89	0.00
D1115	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	19.04	694.96				
E0406	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.32	31.26
E0413	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	2.58	78.69				
pp515*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					13.46	0.00
pp516*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					11.66	0.00
pp539*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.85	0.00
pp540*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.34	0.00
pp731*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.85	0.00
			TOTAL REMOVALS	**49.23**	**1,836.64**	**0.00**	**0.00**	**32.37**	**31.26**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**43.79**	**1,635.94**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**17.10**	**65.05**
TOTAL	**60.89**	**1,700.99**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
31U = Loblolly Pine Underplanted
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-48. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D11-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1102	2.42	87	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	3.44	PS					2.42	62.92
D1103	0.41	87	21	10.52	2.50	12.22	9.50	27.54	41.00	3.61	0.68	0.78	1.50	50.50	54.50	1	21	4	3	1	4.33	PS			0.41	20.71		
D1109	63.68	77	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	4.28	PS					63.68	2,451.68
D1110	0.92	6	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.92	0.00
D1112	7.17	90	26	27.98	6.50	9.87	7.50	15.59	23.50	26.72	7.36	6.09	13.50	31.00	51.00	1	33	35	3	1	4.15	PS					7.17	222.27
D1115	19.04	68	31U	16.31	4.00	9.15	7.00	19.10	29.50	5.16	2.20	2.18	5.50	36.50	46.00	1	40	13	3	1	4.38	PS					19.04	694.96
D1122	0.08	6	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.00	0.00
E0406	1.41	75	10	18.48	5.26	10.78	7.37	11.06	16.32	2.76	3.39	4.75	12.11	23.68	41.05	2	48	27	3	1	3.94	PS					1.41	33.39
E0413	2.72	78	31	13.21	4.00	7.49	5.50	15.39	25.00	10.36	6.20	5.17	12.00	30.50	46.50	1	44	33	3	1	4.28	PS					2.72	82.96
pp515*	13.46	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					13.46	0.00
pp516*	26.19	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					26.19	0.00
pp539*	0.85	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.85	0.00
pp540*	2.34	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.34	0.00
pp731*	1.88	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.88	0.00
	142.57																						**0.00**	**0.00**	**0.41**	**20.71**	**142.08**	**3,548.18**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1109	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					27.61	1,062.99
D1110	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.89	0.00
D1115	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					19.04	694.96
E0406	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.32	31.26
E0413	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.58	78.69
pp515*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					13.46	0.00
pp516*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					11.66	0.00
pp539*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.85	0.00
pp540*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.34	0.00
pp731*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.85	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**81.60**	**1,867.90**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.41**	**20.71**
Future Potential Habitat	**60.48**	**1,680.28**
TOTAL	**60.89**	**1,700.99**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
31U = Loblolly Pine Underplanted
ND = No data provided

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-49. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D11-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1102	16.14	87	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	0					16.14	419.64
D1103	0.49	87	21	10.52	2.50	12.22	9.50	27.54	41.00	3.61	0.68	0.78	1.50	50.50	54.50	1	21	4	3	1	1	0.49	24.75				
D1109	45.90	77	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	0	45.90	1,767.15				
D1115	0.15	68	31U	16.31	4.00	9.15	7.00	19.10	29.50	5.16	2.20	2.18	5.50	36.50	46.00	1	40	13	3	1	0	0.15	5.48				
D1243	5.76	43	25	6.66	2.50	14.75	11.00	10.30	14.50	23.82	2.23	0.39	2.00	25.50	30.00	1	24	9	3	1	0					5.76	146.88
E0402	21.34	75	25	17.25	3.50	11.65	8.50	17.22	27.50	10.48	2.82	2.73	7.00	36.00	46.50	1	31	16	3	1	0	21.34	768.24				
E0403	35.16	54	25	13.20	4.00	28.73	19.50	12.01	16.50	1.16	1.31	1.92	4.00	36.00	44.00	1	44	7	3	1	0	35.16	1,265.76				
E0406	31.21	75	10	18.48	5.26	10.78	7.37	11.06	16.32	2.76	3.39	4.75	12.11	23.68	41.05	2	48	27	3	1	0					31.21	739.05
E0413	5.36	78	31	13.21	4.00	7.49	5.50	15.39	25.00	10.36	6.20	5.17	12.00	30.50	46.50	1	44	33	3	1	0	5.36	163.48				
pp325*	2.70	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.70	0.00
	164.21																					**108.40**	**3,994.86**	**0.00**	**0.00**	**55.81**	**1,305.57**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1102	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.08	80.08
D1109	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	27.94	1,075.69				
D1115	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	0.15	5.48				
E0402	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	15.04	541.44				
E0403	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	21.63	778.68				
E0406	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					13.02	308.31
E0413	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	2.95	89.98				
pp325*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.75	0.00
			TOTAL REMOVALS	**67.71**	**2,491.27**	**0.00**	**0.00**	**16.85**	**388.39**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**40.69**	**1,503.59**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**38.96**	**917.18**
SUB-TOTAL	**79.65**	**2,420.77**
non-contiguous habitat	**-42.38**	**-1,218.12**
TOTAL	**37.27**	**1,202.65**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31U = Loblolly Pine Underplanted

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands E0402, E0403, E0406, E0413 and pp325 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from these stands were not considered.

Table F-50. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D11-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1102	16.14	87	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	3.44	PS					16.14	419.64
D1103	0.49	87	21	10.52	2.50	12.22	9.50	27.54	41.00	3.61	0.68	0.78	1.50	50.50	54.50	1	21	4	3	1	4.33	PS			0.49	24.75		
D1109	45.90	77	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	4.28	PS					45.90	1,767.15
D1115	0.15	68	31U	16.31	4.00	9.15	7.00	19.10	29.50	5.16	2.20	2.18	5.50	36.50	46.00	1	40	13	3	1	4.38	PS					0.15	5.48
D1243	5.76	43	25	6.66	2.50	14.75	11.00	10.30	14.50	23.82	2.23	0.39	2.00	25.50	30.00	1	24	9	3	1	3.32	PS					5.76	146.88
E0402	21.34	75	25	17.25	3.50	11.65	8.50	17.22	27.50	10.48	2.82	2.73	7.00	36.00	46.50	1	31	16	3	1	4.23	PS					21.34	768.24
E0403	35.16	54	25	13.20	4.00	28.73	19.50	12.01	16.50	1.16	1.31	1.92	4.00	36.00	44.00	1	44	7	3	1	3.90	PS					35.16	1,265.76
E0406	31.21	75	10	18.48	5.26	10.78	7.37	11.06	16.32	2.76	3.39	4.75	12.11	23.68	41.05	2	48	27	3	1	3.94	PS					31.21	739.05
E0413	5.36	78	31	13.21	4.00	7.49	5.50	15.39	25.00	10.36	6.20	5.17	12.00	30.50	46.50	1	44	33	3	1	4.28	PS					5.36	163.48
pp325*	2.70	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.70	0.00
	164.21																						**0.00**	**0.00**	**0.49**	**24.75**	**163.72**	**5,275.68**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1102	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.08	80.08
D1109	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					27.94	1,075.69
D1115	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.15	5.48
E0402	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					15.04	541.44
E0403	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					21.63	778.68
E0406	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					13.02	308.31
E0413	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					2.95	89.98
pp325*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.75	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**84.56**	**2,879.66**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.49**	**24.75**
Future Potential Habitat	**79.16**	**2,396.02**
SUB-TOTAL	**79.65**	**2,420.77**
non-contiguous habitat	**-42.38**	**-1,218.12**
TOTAL	**37.27**	**1,202.65**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31U = Loblolly Pine Underplanted

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands E0402, E0403, E0406, E0413 and pp325 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition. Future removals from these stands were not considered.

Table F-51. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D15-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0204	52.78	50	31	36.77	12.50	22.49	16.50	17.14	24.50	12.14	2.91	2.01	5.00	41.00	58.50	1	21	11	3	2	1	52.78	2,163.98				
D1415	1.16	52	31	31.59	10.00	21.16	14.50	3.92	5.50	0.00	0.00	0.00	0.00	20.00	30.00	1	28	0	3	1	0					1.16	23.20
D1417	2.98	19	31	52.73	13.33	10.81	6.67	0.00	0.00	0.00	0.00	0.00	0.00	6.67	20.00	1	30	0	3	1	0					2.98	19.88
D1503	23.38	79	10	15.16	5.00	8.15	5.50	9.43	18.50	16.80	4.54	6.30	13.50	24.00	42.50	1	25	38	3	1	0					23.38	561.12
D1504	19.96	49	31	58.72	14.00	16.51	11.00	4.06	5.00	11.91	11.78	3.25	12.50	16.00	42.50	7	21	42	3	1	0					19.96	319.36
D1507	4.69	28	31	3.16	1.43	12.35	8.57	12.11	15.71	18.11	7.89	1.25	7.14	24.29	32.86	6	14	27	3	1	0					4.69	113.92
D1508	14.76	50	31	36.05	10.50	19.20	13.50	15.82	24.50	22.10	2.13	1.01	3.00	38.00	51.50	4	22	8	3	1	0			14.76	560.88		
D1510	37.32	49	21	39.29	10.00	27.01	19.50	19.98	31.50	15.31	5.66	2.10	6.50	51.00	67.50	1	16	14	3	1	1	37.32	1,903.32				
D1515	9.84	58	31	23.44	6.00	13.71	9.50	8.80	11.50	18.77	4.40	0.00	3.00	21.00	30.00	1	28	16	3	1	0					9.84	206.64
D1516	8.33	84	26	9.64	3.75	13.14	10.00	32.27	56.25	0.00	0.00	0.00	0.00	66.25	70.00	2	13	0	3	1	1	8.33	551.86				
D1519	8.40	47	21	27.60	6.50	15.79	11.00	12.22	17.50	10.17	2.54	1.26	4.00	28.50	39.00	2	11	12	3	1	0					8.40	239.40
D1523	46.95	84	26	14.44	4.00	16.29	12.00	14.83	25.00	4.91	3.68	0.76	4.00	37.00	45.00	1	36	12	3	1	0	46.95	1,737.15				
D1526	10.86	52	21P	20.19	6.32	29.04	22.11	14.43	19.47	1.44	2.17	1.41	3.16	41.58	51.05	1	22	8	3	1	1	10.86	451.56				
D1601	40.10	52	21	16.55	4.50	9.88	8.00	11.99	19.00	0.00	2.81	1.64	4.50	27.00	36.00	1	18	17	3	1	0					40.10	1,082.70
pp289*	0.60	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.60	0.00
	282.11																					**156.24**	**6,807.87**	**14.76**	**560.88**	**111.12**	**2,566.22**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1519	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.02	0.57
D1523	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	7.89	291.93				
D1601	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					14.03	378.81
			TOTAL REMOVALS	**7.89**	**291.93**	**0.00**	**0.00**	**14.05**	**379.38**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**148.35**	**6,515.94**
Potentially Suitable Habitat	**14.76**	**560.88**
Future Potential Habitat	**97.07**	**2,186.84**
TOTAL	**260.17**	**9,263.66**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-52. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D15-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0204	52.78	50	31	36.77	12.50	22.49	16.50	17.14	24.50	12.14	2.91	2.01	5.00	41.00	58.50	1	21	11	3	2	4.13	PS					52.78	2,163.98
D1415	1.16	52	31	31.59	10.00	21.16	14.50	3.92	5.50	0.00	0.00	0.00	0.00	20.00	30.00	1	28	0	3	1	2.96	PS					1.16	23.20
D1417	2.98	19	31	52.73	13.33	10.81	6.67	0.00	0.00	0.00	0.00	0.00	0.00	6.67	20.00	1	30	0	3	1	2.43	NH					2.98	19.88
D1503	23.38	79	10	15.16	5.00	8.15	5.50	9.43	18.50	16.80	4.54	6.30	13.50	24.00	42.50	1	25	38	3	1	3.74	PS					23.38	561.12
D1504	19.96	49	31	58.72	14.00	16.51	11.00	4.06	5.00	11.91	11.78	3.25	12.50	16.00	42.50	7	21	42	3	1	2.41	PS					19.96	319.36
D1507	4.69	28	31	3.16	1.43	12.35	8.57	12.11	15.71	18.11	7.89	1.25	7.14	24.29	32.86	6	14	27	3	1	2.85	NH					4.69	113.92
D1508	14.76	50	31	36.05	10.50	19.20	13.50	15.82	24.50	22.10	2.13	1.01	3.00	38.00	51.50	4	22	8	3	1	3.39	NH					14.76	560.88
D1510	37.32	49	21	39.29	10.00	27.01	19.50	19.98	31.50	15.31	5.66	2.10	6.50	51.00	67.50	1	16	14	3	1	3.89	PS					37.32	1,903.32
D1515	9.84	58	31	23.44	6.00	13.71	9.50	8.80	11.50	18.77	4.40	0.00	3.00	21.00	30.00	1	28	16	3	1	3.29	PS					9.84	206.64
D1516	8.33	84	26	9.64	3.75	13.14	10.00	32.27	56.25	0.00	0.00	0.00	0.00	66.25	70.00	2	13	0	3	1	4.23	PS			8.33	551.86		
D1519	8.40	47	21	27.60	6.50	15.79	11.00	12.22	17.50	10.17	2.54	1.26	4.00	28.50	39.00	2	11	12	3	1	3.38	PS					8.40	239.40
D1523	46.95	84	26	14.44	4.00	16.29	12.00	14.83	25.00	4.91	3.68	0.76	4.00	37.00	45.00	1	36	12	3	1	4.23	PS					46.95	1,737.15
D1526	10.86	52	21P	20.19	6.32	29.04	22.11	14.43	19.47	1.44	2.17	1.41	3.16	41.58	51.05	1	22	8	3	1	3.89	PS					10.86	451.56
D1601	40.10	52	21	16.55	4.50	9.88	8.00	11.99	19.00	0.00	2.81	1.64	4.50	27.00	36.00	1	18	17	3	1	3.55	PS					40.10	1,082.70
pp289*	0.60	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.60	0.00
	282.11																						**0.00**	**0.00**	**8.33**	**551.86**	**273.78**	**9,383.11**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1519	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.02	0.57
D1523	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					7.89	291.93
D1601	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					14.03	378.81
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**21.94**	**671.31**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**8.33**	**551.86**
Future Potential Habitat	**251.84**	**8,711.80**
TOTAL	**260.17**	**9,263.66**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-53. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D16-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0614	13.72	93	25	25.39	6.00	5.33	4.00	14.99	25.00	6.55	5.59	1.49	6.50	29.00	41.50	2	40	26	3	1	0					13.72	397.88
D0618	18.45	66	25	29.44	6.00	7.67	5.50	8.34	13.00	13.36	3.29	0.86	3.50	18.50	28.00	6	26	21	3	1	0					18.45	341.33
D0623	28.64	45	25	59.39	17.00	20.72	14.50	9.67	13.50	23.65	5.81	0.74	5.50	28.00	50.50	2	29	18	3	1	0					28.64	801.92
D0628	0.67	70	41**	10.27	2.50	2.75	2.00	10.45	18.00	21.11	18.56	23.89	59.50	20.00	82.00	7	15	76	3	1	0					0.00	0.00
D0634	11.54	36	31	56.38	13.00	7.63	5.00	4.47	5.50	31.33	2.74	4.22	9.00	10.50	32.50	6	24	37	3	1	0					11.54	121.17
D0704	16.01	41	25	68.39	18.50	16.04	11.50	4.49	5.50	2.48	0.00	0.37	1.00	17.00	36.50	1	35	2	3	1	0					16.01	272.17
D1012	0.94	19	31	61.60	16.67	5.77	5.00	1.41	1.67	18.82	0.00	0.00	0.00	6.67	23.33	1	35	0	3	1	0					0.94	6.27
D1020	4.36	62	25	7.14	1.58	10.21	8.42	16.55	23.68	7.65	3.82	1.86	5.26	32.11	38.95	1	36	17	3	1	0	4.36	140.00				
D1613	4.08	56	31	33.99	8.00	9.17	6.50	3.89	6.00	2.17	0.86	3.40	6.00	12.50	26.50	7	27	25	3	1	0					4.08	51.00
D1632	7.24	55	21	65.54	13.75	6.21	5.00	6.66	8.75	5.77	1.38	0.73	2.50	13.75	30.00	6	26	14	3	1	0					7.24	99.55
D1634	13.74	63	26	30.30	8.00	5.51	4.00	8.62	13.50	15.53	5.35	2.52	7.50	17.50	33.00	6	31	36	3	1	0					13.74	240.45
D1639	14.82	115	32	24.58	6.00	10.93	8.50	3.06	4.50	0.00	1.44	0.00	1.00	13.00	20.00	6	48	9	3	1	0					14.82	192.66
D1641	20.22	52	31	73.90	15.50	4.06	3.00	10.25	17.50	2.65	4.96	1.04	5.00	20.50	41.00	1	28	30	3	1	0					20.22	414.51
D1644	11.06	63	32	27.79	8.00	15.50	10.50	8.11	11.50	8.00	3.39	1.50	5.00	22.00	35.00	6	38	17	3	1	0					11.06	243.32
D1725	5.17	21	31	66.56	18.00	17.74	12.00	5.68	8.00	2.17	0.68	1.09	2.50	20.00	40.50	6	37	7	3	1	0					5.17	103.40
D1735	0.60	53	31	20.51	5.00	10.41	7.50	9.73	15.50	3.92	5.04	5.32	14.50	23.00	42.50	5	25	34	3	1	0					0.60	13.80
D1738	10.97	56	25	12.56	4.00	17.71	14.00	16.33	22.00	2.54	3.39	1.20	5.50	36.00	45.50	1	29	12	3	1	0	10.97	394.92				
pp137*	1.19	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.19	0.00
pp235*	1.95	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.95	0.00
pp292*	12.48	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					12.48	0.00
pp293*	4.59	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.59	0.00
pp294*	8.71	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					8.71	0.00
pp734*	2.05	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.05	0.00
pp735*	3.18	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.18	0.00
pp736*	0.15	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.15	0.00
	216.53																					**15.33**	**534.92**	**0.00**	**0.00**	**200.53**	**3,299.43**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0623	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					12.90	361.20
D0634	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					11.35	119.18
D0704	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					8.00	136.00
D1634	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.29	5.08
D1641	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.62	12.71
D1644	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					5.36	117.92
pp137*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.81	0.00
pp292*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					9.80	0.00
pp294*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					5.54	0.00
pp734*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.14	0.00
pp735*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.13	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**57.94**	**752.09**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**15.33**	**534.92**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**142.59**	**2,547.34**
SUB-TOTAL	**157.92**	**3,082.26**
non-contiguous habitat	**-67.36**	**-1,366.72**
TOTAL	**90.56**	**1,715.54**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
32 = Shortleaf Pine
41** = Cove Hardwood-Yellow Pine (managed for hardwoods)

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands D0628, D0634, D0704, D1012, D1020, D1613, D1632, D1641, D1644, D1725, D1735, D1738 and pp294 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table F-54. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D16-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0614	13.72	93	25	25.39	6.00	5.33	4.00	14.99	25.00	6.55	5.59	1.49	6.50	29.00	41.50	2	40	26	3	1	4.17	PS					13.72	397.88
D0618	18.45	66	25	29.44	6.00	7.67	5.50	8.34	13.00	13.36	3.29	0.86	3.50	18.50	28.00	6	26	21	3	1	3.14	PS					18.45	341.33
D0623	28.64	45	25	59.39	17.00	20.72	14.50	9.67	13.50	23.65	5.81	0.74	5.50	28.00	50.50	2	29	18	3	1	3.27	PS					28.64	801.92
D0628	0.67	70	41**	10.27	2.50	2.75	2.00	10.45	18.00	21.11	18.56	23.89	59.50	20.00	82.00	7	15	76	3	1	3.29	PS					0.00	0.00
D0634	11.54	36	31	56.38	13.00	7.63	5.00	4.47	5.50	31.33	2.74	4.22	9.00	10.50	32.50	6	24	37	3	1	2.38	PS					11.54	121.17
D0704	16.01	41	25	68.39	18.50	16.04	11.50	4.49	5.50	2.48	0.00	0.37	1.00	17.00	36.50	1	35	2	3	1	2.82	PS					16.01	272.17
D1012	0.94	19	31	61.60	16.67	5.77	5.00	1.41	1.67	18.82	0.00	0.00	0.00	6.67	23.33	1	35	0	3	1	2.41	NH					0.94	6.27
D1020	4.36	62	25	7.14	1.58	10.21	8.42	16.55	23.68	7.65	3.82	1.86	5.26	32.11	38.95	1	36	17	3	1	4.18	PS					4.36	140.00
D1613	4.08	56	31	33.99	8.00	9.17	6.50	3.89	6.00	2.17	0.86	3.40	6.00	12.50	26.50	7	27	25	3	1	2.58	PS					4.08	51.00
D1632	7.24	55	21	65.54	13.75	6.21	5.00	6.66	8.75	5.77	1.38	0.73	2.50	13.75	30.00	6	26	14	3	1	2.81	PS					7.24	99.55
D1634	13.74	63	26	30.30	8.00	5.51	4.00	8.62	13.50	15.53	5.35	2.52	7.50	17.50	33.00	6	31	36	3	1	3.24	PS					13.74	240.45
D1639	14.82	115	32	24.58	6.00	10.93	8.50	3.06	4.50	0.00	1.44	0.00	1.00	13.00	20.00	6	48	9	3	1	2.92	PS					14.82	192.66
D1641	20.22	52	31	73.90	15.50	4.06	3.00	10.25	17.50	2.65	4.96	1.04	5.00	20.50	41.00	1	28	30	3	1	3.52	PS					20.22	414.51
D1644	11.06	63	32	27.79	8.00	15.50	10.50	8.11	11.50	8.00	3.39	1.50	5.00	22.00	35.00	6	38	17	3	1	3.29	PS					11.06	243.32
D1725	5.17	21	31	66.56	18.00	17.74	12.00	5.68	8.00	2.17	0.68	1.09	2.50	20.00	40.50	6	37	7	3	1	2.52	NH					5.17	103.40
D1735	0.60	53	31	20.51	5.00	10.41	7.50	9.73	15.50	3.92	5.04	5.32	14.50	23.00	42.50	5	25	34	3	1	3.36	PS					0.60	13.80
D1738	10.97	56	25	12.56	4.00	17.71	14.00	16.33	22.00	2.54	3.39	1.20	5.50	36.00	45.50	1	29	12	3	1	3.99	PS					10.97	394.92
pp137*	1.19	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.19	0.00
pp235*	1.95	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.95	0.00
pp292*	12.48	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					12.48	0.00
pp293*	4.59	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.59	0.00
pp294*	8.71	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					8.71	0.00
pp734*	2.05	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.05	0.00
pp735*	3.18	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.18	0.00
pp736*	0.15	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.15	0.00
	216.53																						**0.00**	**0.00**	**0.00**	**0.00**	**215.86**	**3,834.35**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0623	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					12.90	361.20
D0634	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					11.35	119.18
D0704	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					8.00	136.00
D1634	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.29	5.08
D1641	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.62	12.71
D1644	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					5.36	117.92
pp137*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.81	0.00
pp292*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					9.80	0.00
pp294*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					5.54	0.00
pp734*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.14	0.00
pp735*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.13	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**57.94**	**752.09**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**157.92**	**3,082.26**
SUB-TOTAL	**157.92**	**3,082.26**
non-contiguous habitat	**-67.36**	**-1,366.72**
TOTAL	**90.56**	**1,715.54**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
32 = Shortleaf Pine
41** = Cove Hardwood-Yellow Pine (managed for hardwoods)

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands D0628, D0634, D0704, D1012, D1020, D1613, D1632, D1641, D1644, D1725, D1735, D1738 and pp294 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table F-55. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D17-04R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1237	10.88	62	31	32.52	6.50	5.54	4.50	8.74	15.50	2.17	0.67	0.99	2.00	20.00	28.50	1	44	10	3	1	0					10.88	217.60
D1241	12.29	56	26	7.30	2.00	13.36	9.50	12.06	19.00	18.20	4.44	3.53	8.00	28.50	38.50	1	38	24	3	1	0					12.29	350.27
D1613	9.31	56	31	33.99	8.00	9.17	6.50	3.89	6.00	2.17	0.86	3.40	6.00	12.50	26.50	7	27	25	3	1	0					9.31	116.38
D1702	15.62	61	21	16.46	5.00	8.74	6.50	10.32	16.00	5.57	13.06	4.26	14.50	22.50	42.00	1	24	48	3	1	0					15.62	351.45
D1704	10.63	61	21	13.24	5.00	18.04	13.00	16.90	24.50	13.62	4.99	2.59	8.00	37.50	50.50	1	20	18	3	1	0	10.63	398.63				
D1705	0.88	61	57**	15.59	4.00	2.61	1.50	3.17	4.50	3.65	6.40	3.69	10.00	6.00	20.00	1	28	64	3	1	0					0.00	0.00
D1706	29.78	62	21	18.27	4.50	15.77	11.00	19.87	31.50	3.73	1.80	0.43	2.50	42.50	49.50	1	23	6	3	1	1	29.78	1,265.65				
D1707	20.45	62	26	16.20	4.00	22.78	16.00	15.48	20.50	17.44	3.79	0.89	4.00	36.50	44.50	1	22	11	3	1	0	20.45	746.43				
D1709	25.35	69	31	30.88	7.00	9.47	7.50	12.89	20.50	0.00	4.12	0.58	3.50	28.00	38.50	2	40	17	3	1	0					25.35	709.80
D1711	10.97	61	26	64.28	17.50	22.44	15.50	10.48	17.00	3.64	2.65	1.56	4.00	32.50	54.00	1	31	11	3	1	0			10.97	356.53		
D1712	11.21	79	21	28.01	7.50	20.18	15.50	17.01	25.00	15.71	4.28	0.24	4.00	40.50	52.00	1	39	11	3	1	1	11.21	454.01				
D1713	5.14	79	26	9.21	3.00	12.16	9.50	10.25	15.00	1.47	0.90	1.02	3.00	24.50	30.50	1	49	8	3	1	0					5.14	125.93
D1714	4.74	79	21	15.27	5.00	26.21	18.50	18.46	27.50	1.04	1.15	1.47	3.50	46.00	54.50	1	28	6	3	1	1	4.74	218.04				
D1715	2.99	63	31	23.65	6.50	10.14	8.00	17.58	27.00	0.00	0.00	2.13	3.00	35.00	44.50	1	50	7	3	1	0	2.99	104.65				
pp134*	1.92	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.92	0.00
pp611*	20.90	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					20.90	0.00
	193.06																					**79.80**	**3,187.41**	**10.97**	**356.53**	**101.41**	**1,871.43**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1702	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.41	9.23
D1704	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	1.03	38.63				
D1709	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					10.45	292.60
			TOTAL REMOVALS	**1.03**	**38.63**	**0.00**	**0.00**	**10.86**	**301.83**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**78.77**	**3,148.78**
Potentially Suitable Habitat	**10.97**	**356.53**
Future Potential Habitat	**90.55**	**1,569.60**
TOTAL	**180.29**	**5,074.91**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57** = Scrub Oak (managed for hardwoods)

Stand Score
0=Unsuitable
1=Suitable

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-56. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **D17-04R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1237	10.88	62	31	32.52	6.50	5.54	4.50	8.74	15.50	2.17	0.67	0.99	2.00	20.00	28.50	1	44	10	3	1	3.76	PS					10.88	217.60
D1241	12.29	56	26	7.30	2.00	13.36	9.50	12.06	19.00	18.20	4.44	3.53	8.00	28.50	38.50	1	38	24	3	1	3.75	PS					12.29	350.27
D1613	9.31	56	31	33.99	8.00	9.17	6.50	3.89	6.00	2.17	0.86	3.40	6.00	12.50	26.50	7	27	25	3	1	2.58	PS					9.31	116.38
D1702	15.62	61	21	16.46	5.00	8.74	6.50	10.32	16.00	5.57	13.06	4.26	14.50	22.50	42.00	1	24	48	3	1	3.74	PS					15.62	351.45
D1704	10.63	61	21	13.24	5.00	18.04	13.00	16.90	24.50	13.62	4.99	2.59	8.00	37.50	50.50	1	20	18	3	1	4.13	PS					10.63	398.63
D1705	0.88	61	57**	15.59	4.00	2.61	1.50	3.17	4.50	3.65	6.40	3.69	10.00	6.00	20.00	1	28	64	3	1	2.96	PS					0.00	0.00
D1706	29.78	62	21	18.27	4.50	15.77	11.00	19.87	31.50	3.73	1.80	0.43	2.50	42.50	49.50	1	23	6	3	1	4.33	PS			29.78	1,265.65		
D1707	20.45	62	26	16.20	4.00	22.78	16.00	15.48	20.50	17.44	3.79	0.89	4.00	36.50	44.50	1	22	11	3	1	4.13	PS					20.45	746.43
D1709	25.35	69	31	30.88	7.00	9.47	7.50	12.89	20.50	0.00	4.12	0.58	3.50	28.00	38.50	2	40	17	3	1	4.00	PS					25.35	709.80
D1711	10.97	61	26	64.28	17.50	22.44	15.50	10.48	17.00	3.64	2.65	1.56	4.00	32.50	54.00	1	31	11	3	1	3.79	PS					10.97	356.53
D1712	11.21	79	21	28.01	7.50	20.18	15.50	17.01	25.00	15.71	4.28	0.24	4.00	40.50	52.00	1	39	11	3	1	4.25	PS					11.21	454.01
D1713	5.14	79	26	9.21	3.00	12.16	9.50	10.25	15.00	1.47	0.90	1.02	3.00	24.50	30.50	1	49	8	3	1	3.94	PS					5.14	125.93
D1714	4.74	79	21	15.27	5.00	26.21	18.50	18.46	27.50	1.04	1.15	1.47	3.50	46.00	54.50	1	28	6	3	1	4.33	PS			4.74	218.04		
D1715	2.99	63	31	23.65	6.50	10.14	8.00	17.58	27.00	0.00	0.00	2.13	3.00	35.00	44.50	1	50	7	3	1	4.32	PS					2.99	104.65
pp134*	1.92	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.92	0.00
pp611*	20.90	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					20.90	0.00
	193.06																						**0.00**	**0.00**	**34.52**	**1,483.69**	**157.66**	**3,931.68**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1702	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.41	9.23
D1704	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					1.03	38.63
D1709	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					10.45	292.60
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**11.89**	**340.46**

POST-PROJECT

	2009	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**34.52**	**1,483.69**
Future Potential Habitat	**145.77**	**3,591.22**
TOTAL	**180.29**	**5,074.91**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57** = Scrub Oak (managed for hardwoods)

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-57. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **E02-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0201	79.52	61	21	18.78	5.50	13.14	9.50	13.64	21.50	0.00	1.92	3.75	7.00	31.00	43.50	2	39	17	3	1	0	79.52	2,465.12				
E0202	15.80	60	21	33.52	8.50	11.45	8.00	14.28	22.00	4.02	5.20	0.89	4.50	30.00	43.00	5	32	19	3	1	0			15.80	474.00		
E0204	9.37	50	25	26.40	7.00	15.88	11.50	12.86	23.00	10.53	2.72	3.20	7.50	34.50	49.00	2	22	17	3	1	0	9.37	323.27				
E0206	0.95	50	21	21.75	6.00	21.09	15.50	7.99	11.00	3.95	6.80	2.94	8.50	26.50	41.00	2	32	25	3	1	0					0.95	25.18
E0801	1.64	61	26	7.69	2.50	23.00	16.50	21.46	32.00	7.66	2.79	0.80	3.50	48.50	54.50	1	37	7	3	2	1	1.64	79.54				
pp342*	7.56	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					7.56	0.00
pp343*	18.62	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					18.62	0.00
pp468*	26.53	14	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					26.53	0.00
pp469*	8.02	14	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					8.02	0.00
pp637*	0.26	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.26	0.00
T0525	40.46	15	31P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					40.46	0.00
T0526	14.13	53	21	16.76	4.50	13.76	10.00	10.66	16.50	3.26	0.00	0.00	0.00	26.50	31.00	1	32	0	3	1	0					14.13	374.45
T0527	8.29	16	31P	304.15	62.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	1	42	0	3	1	0					8.29	0.00
T0714	1.29	41	31	40.22	11.67	16.70	12.22	13.79	20.00	4.17	1.61	1.20	2.78	32.22	46.67	5	32	8	0	0	0			1.29	41.56		
	232.44																					**90.53**	**2,867.93**	**17.09**	**515.56**	**124.82**	**399.63**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp342*	2009	62207	Combined Arms Collective Training Facility, Phase II					5.71	0.00
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**5.71**	**0.00**
E0201	2010	65557	Repair/ Upgrade Existing Training Area Roads	3.13	97.03				
T0525	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.66	0.00
T0526	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.28	7.42
T0527	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.15	0.00
			2010 SUB-TOTAL	**3.13**	**97.03**	**0.00**	**0.00**	**1.09**	**7.42**
			TOTAL REMOVALS	**3.13**	**97.03**	**0.00**	**0.00**	**6.80**	**7.42**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**90.53**	**2,867.93**	**87.40**	**2,770.90**
Potentially Suitable Habitat	**17.09**	**515.56**	**17.09**	**515.56**
Future Potential Habitat	**119.11**	**399.63**	**118.02**	**392.21**
SUB-TOTAL	**226.73**	**3,783.12**	**222.51**	**3,678.67**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-58. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **E02-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0201	79.52	61	21	18.78	5.50	13.14	9.50	13.64	21.50	0.00	1.92	3.75	7.00	31.00	43.50	2	39	17	3	1	4.18	PS					79.52	2,465.12
E0202	15.80	60	21	33.52	8.50	11.45	8.00	14.28	22.00	4.02	5.20	0.89	4.50	30.00	43.00	5	32	19	3	1	3.91	PS					15.80	474.00
E0204	9.37	50	25	26.40	7.00	15.88	11.50	12.86	23.00	10.53	2.72	3.20	7.50	34.50	49.00	2	22	17	3	1	3.81	PS					9.37	323.27
E0206	0.95	50	21	21.75	6.00	21.09	15.50	7.99	11.00	3.95	6.80	2.94	8.50	26.50	41.00	2	32	25	3	1	3.39	PS					0.95	25.18
E0801	1.64	61	26	7.69	2.50	23.00	16.50	21.46	32.00	7.66	2.79	0.80	3.50	48.50	54.50	1	37	7	3	2	4.58	CS	1.64	79.54				
pp342*	7.56	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					7.56	0.00
pp343*	18.62	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					18.62	0.00
pp468*	26.53	14	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					26.53	0.00
pp469*	8.02	14	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					8.02	0.00
pp637*	0.26	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.26	0.00
T0525	40.46	15	31P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	PS					40.46	0.00
T0526	14.13	53	21	16.76	4.50	13.76	10.00	10.66	16.50	3.26	0.00	0.00	0.00	26.50	31.00	1	32	0	3	1	3.70	PS					14.13	374.45
T0527	8.29	16	31P	304.15	62.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	1	42	0	3	1	2.46	NH					8.29	0.00
T0714	1.29	41	31	40.22	11.67	16.70	12.22	13.79	20.00	4.17	1.61	1.20	2.78	32.22	46.67	5	32	8	0	0	3.44	PS					1.29	41.56
	232.44																						**1.64**	**79.54**	**0.00**	**0.00**	**230.80**	**3,703.58**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp342*	2009	62207	Combined Arms Collective Training Facility, Phase II					5.71	0.00
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**5.71**	**0.00**
E0201	2010	65557	Repair/ Upgrade Existing Training Area Roads					3.13	97.03
T0525	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.66	0.00
T0526	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.28	7.42
T0527	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.15	0.00
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**4.22**	**104.45**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**9.93**	**104.45**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**1.64**	**79.54**	**1.64**	**79.54**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**225.09**	**3,703.58**	**220.87**	**3,599.13**
SUB-TOTAL	**226.73**	**3,783.12**	**222.51**	**3,678.67**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-59. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **E03-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0301	54.99	49	21	11.10	3.00	18.35	14.50	24.86	36.50	6.14	0.86	0.94	2.00	51.00	56.00	1	36	4	3	1	1	54.99	2,804.49				
E0303	39.85	18	31	25.56	7.50	30.17	21.50	18.91	26.50	11.32	3.52	3.07	7.50	48.00	63.00	1	29	12	3	1	0					39.85	1,912.80
E0304	0.71	18	31P	305.39	73.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.00	1	30	0	3	1	0					0.00	0.00
E0305	20.22	49	31	17.84	6.00	27.45	21.00	14.70	20.50	4.06	4.20	0.45	4.00	41.50	51.50	1	34	10	3	1	1	20.22	839.13				
E0306	16.71	45	21	46.62	14.50	32.97	23.00	9.45	13.50	13.76	2.63	6.85	13.50	36.50	64.50	1	14	18	3	1	0	16.71	609.92				
E0307	2.98	81	25	28.92	7.50	19.45	15.00	16.40	26.50	5.67	9.32	5.77	17.00	41.50	66.00	1	27	30	3	1	0	2.98	123.67				
E0309	3.18	57	26	13.02	3.00	10.74	8.00	11.44	17.00	18.48	9.39	4.58	12.50	25.00	40.50	1	25	39	3	1	0					0.00	0.00
E0803	9.61	49	31	14.68	4.50	32.98	24.50	18.72	25.50	0.00	0.00	0.23	0.50	50.00	55.00	1	40	0	3	2	1	9.61	480.50				
E0804	20.95	49	21	37.21	11.50	24.23	18.00	17.81	26.50	3.35	1.83	1.71	4.00	44.50	60.00	2	38	8	3	2	1	20.95	932.28				
E0805	7.20	82	31	25.71	8.57	43.75	28.57	3.24	4.29	0.00	1.76	0.00	1.43	32.86	42.86	1	46	4	3	2	0	7.20	236.59				
E0808	16.64	49	21	23.72	7.50	27.90	21.00	13.95	18.00	18.00	3.36	2.24	5.50	39.00	52.00	1	37	12	3	2	0	16.64	648.96				
pp87*	1.42	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.42	0.00
T0512	0.19	64	26	17.26	4.50	11.52	8.50	14.41	23.50	0.00	0.00	0.29	0.50	32.00	37.00	1	37	1	3	1	0	0.19	6.08				
T0519	11.59	67	21	15.32	4.50	13.85	10.00	15.22	21.50	14.62	4.05	1.21	5.00	31.50	41.00	1	31	15	3	1	0	11.59	365.09				
	206.24																					**161.08**	**7,046.71**	**0.00**	**0.00**	**41.27**	**1,912.80**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
E0301	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.87	95.37				
E0803	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.74	37.00				
T0512	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.10	3.20				
T0519	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.30	40.95				
			TOTAL REMOVALS	**4.01**	**176.52**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**157.07**	**6,870.19**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**41.27**	**1,912.80**
TOTAL	**198.34**	**8,782.99**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
ND = No data provided

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-60. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **E03-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0301	54.99	49	21	11.10	3.00	18.35	14.50	24.86	36.50	6.14	0.86	0.94	2.00	51.00	56.00	1	36	4	3	1	4.15	PS					54.99	2,804.49
E0303	39.85	18	31	25.56	7.50	30.17	21.50	18.91	26.50	11.32	3.52	3.07	7.50	48.00	63.00	1	29	12	3	1	3.76	NH					39.85	1,912.80
E0304	0.71	18	31P	305.39	73.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.00	1	30	0	3	1	2.36	NH					0.00	0.00
E0305	20.22	49	31	17.84	6.00	27.45	21.00	14.70	20.50	4.06	4.20	0.45	4.00	41.50	51.50	1	34	10	3	1	4.00	PS					20.22	839.13
E0306	16.71	45	21	46.62	14.50	32.97	23.00	9.45	13.50	13.76	2.63	6.85	13.50	36.50	64.50	1	14	18	3	1	3.24	PS					16.71	609.92
E0307	2.98	81	25	28.92	7.50	19.45	15.00	16.40	26.50	5.67	9.32	5.77	17.00	41.50	66.00	1	27	30	3	1	4.15	PS					2.98	123.67
E0309	3.18	57	26	13.02	3.00	10.74	8.00	11.44	17.00	18.48	9.39	4.58	12.50	25.00	40.50	1	25	39	3	1	3.60	PS					0.00	0.00
E0803	9.61	49	31	14.68	4.50	32.98	24.50	18.72	25.50	0.00	0.00	0.23	0.50	50.00	55.00	1	40	0	3	2	4.41	PS					9.61	480.50
E0804	20.95	49	21	37.21	11.50	24.23	18.00	17.81	26.50	3.35	1.83	1.71	4.00	44.50	60.00	2	38	8	3	2	4.09	PS					20.95	932.28
E0805	7.20	82	31	25.71	8.57	43.75	28.57	3.24	4.29	0.00	1.76	0.00	1.43	32.86	42.86	1	46	4	3	2	3.41	PS					7.20	236.59
E0808	16.64	49	21	23.72	7.50	27.90	21.00	13.95	18.00	18.00	3.36	2.24	5.50	39.00	52.00	1	37	12	3	2	3.95	PS					16.64	648.96
pp87*	1.42	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.42	0.00
T0512	0.19	64	26	17.26	4.50	11.52	8.50	14.41	23.50	0.00	0.00	0.29	0.50	32.00	37.00	1	37	1	3	1	4.18	PS					0.19	6.08
T0519	11.59	67	21	15.32	4.50	13.85	10.00	15.22	21.50	14.62	4.05	1.21	5.00	31.50	41.00	1	31	15	3	1	4.18	PS					11.59	365.09
	206.24																						**0.00**	**0.00**	**0.00**	**0.00**	**202.35**	**8,959.51**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
E0301	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.87	95.37
E0803	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.74	37.00
T0512	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.10	3.20
T0519	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.30	40.95
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**4.01**	**176.52**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**198.34**	**8,782.99**
TOTAL	**198.34**	**8,782.99**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
ND = No data provided

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-61. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **E04-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1102	0.40	87	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	0					0.40	10.40
D1109	4.39	77	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	0	4.39	169.02				
D1217	2.21	46	31	20.19	5.00	24.23	17.50	10.89	16.50	14.09	1.44	0.74	2.00	34.00	41.00	2	36	6	3	1	0	2.21	75.14				
D1242	25.51	45	31	5.85	2.00	18.42	13.50	11.02	17.00	11.57	4.52	3.81	8.00	30.50	40.50	1	22	22	3	1	0	25.51	778.06				
D1243	11.61	43	25	6.66	2.50	14.75	11.00	10.30	14.50	23.82	2.23	0.39	2.00	25.50	30.00	1	24	9	3	1	0					11.61	296.06
E0303	19.74	18	31	25.56	7.50	30.17	21.50	18.91	26.50	11.32	3.52	3.07	7.50	48.00	63.00	1	29	12	3	1	0					19.74	947.52
E0304	12.08	18	31P	305.39	73.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.00	1	30	0	3	1	0					12.08	0.00
E0401	6.06	75	21	23.02	5.00	4.72	3.33	45.69	91.67	0.00	0.00	1.58	1.67	95.00	101.67	1	20	3	3	1	1	6.06	575.70				
E0402	40.56	75	25	17.25	3.50	11.65	8.50	17.22	27.50	10.48	2.82	2.73	7.00	36.00	46.50	1	31	16	3	1	0	40.56	1,460.16				
E0407	1.48	52	26	36.30	12.22	23.76	17.22	10.17	13.33	3.61	1.89	1.11	3.33	30.56	46.11	1	33	8	3	1	0	1.48	45.23				
pp858*	7.70	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					7.70	0.00
T0407	0.73	69	21	10.40	3.00	7.19	5.50	16.36	24.00	17.69	9.18	1.51	9.00	29.50	41.50	1	28	31	3	1	0					0.73	21.54
T0416	13.80	54	25	10.77	3.00	22.08	15.00	14.46	21.50	8.25	4.54	3.25	7.50	36.50	47.00	1	28	18	3	1	0	13.80	503.70				
T0507	15.42	54	25	52.56	11.50	22.15	17.00	18.40	25.50	12.90	5.00	2.89	9.00	42.50	63.00	1	36	16	3	1	1	15.42	655.35				
T0520	5.39	67	21	7.25	2.00	9.30	7.50	25.10	37.50	3.49	0.56	0.53	1.50	45.00	48.50	1	41	3	3	1	1	5.39	242.55				
	167.08																					**114.82**	**4,504.91**	**0.00**	**0.00**	**52.26**	**1,275.52**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1102	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.23	5.98
D1109	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	3.57	137.45				
E0303	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					4.59	220.32
E0304	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.78	0.00
E0401	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	0.03	2.85				
E0402	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	29.52	1,062.72				
			2009 SUB-TOTAL	**33.12**	**1,203.02**	**0.00**	**0.00**	**5.60**	**226.30**
D1242	2010	65554	Construct Installation -Wide Roads, Paved	2.06	62.83				
E0303	2010	65554	Construct Installation -Wide Roads, Paved					0.40	19.20
E0303	2010	65557	Repair Existing Training Area Roads					0.87	41.76
E0401	2010	65554	Construct Installation -Wide Roads, Paved	0.87	82.65				
E0401	2010	65557	Repair Existing Training Area Roads	0.77	73.15				
T0407	2010	65554	Construct Installation -Wide Roads, Paved					0.27	7.97
T0407	2010	65557	Repair Existing Training Area Roads					0.28	8.26
T0416	2010	65554	Construct Installation -Wide Roads, Paved	0.68	24.82				
T0416	2010	65557	Repair Existing Training Area Roads	0.14	5.11				
T0507	2010	65554	Construct Installation -Wide Roads, Paved	0.58	24.65				
T0520	2010	65557	Repair Existing Training Area Roads	0.18	8.10				
			2010 SUB-TOTAL	**5.28**	**281.31**	**0.00**	**0.00**	**1.82**	**77.19**
			TOTAL REMOVALS	**38.40**	**1,484.33**	**0.00**	**0.00**	**7.42**	**303.49**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**81.70**	**3,301.89**	**76.42**	**3,020.58**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**46.66**	**1,049.22**	**44.84**	**972.03**
TOTAL	**128.36**	**4,351.11**	**121.26**	**3,992.61**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10U = Yellow Pine-Upland Hardwood Underplanted
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-62. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **E04-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1102	0.40	87	21	17.18	5.00	20.15	14.50	8.66	11.50	35.55	5.20	2.00	6.50	26.00	37.50	1	28	20	3	1	3.44	PS					0.40	10.40
D1109	4.39	77	31	19.55	5.50	12.80	9.00	19.33	29.50	25.87	6.42	3.70	10.50	38.50	54.50	1	26	24	3	1	4.28	PS					4.39	169.02
D1217	2.21	46	31	20.19	5.00	24.23	17.50	10.89	16.50	14.09	1.44	0.74	2.00	34.00	41.00	2	36	6	3	1	3.65	PS					2.21	75.14
D1242	25.51	45	31	5.85	2.00	18.42	13.50	11.02	17.00	11.57	4.52	3.81	8.00	30.50	40.50	1	22	22	3	1	3.51	PS					25.51	778.06
D1243	11.61	43	25	6.66	2.50	14.75	11.00	10.30	14.50	23.82	2.23	0.39	2.00	25.50	30.00	1	24	9	3	1	3.32	PS					11.61	296.06
E0303	19.74	18	31	25.56	7.50	30.17	21.50	18.91	26.50	11.32	3.52	3.07	7.50	48.00	63.00	1	29	12	3	1	3.76	NH					19.74	947.52
E0304	12.08	18	31P	305.39	73.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73.00	1	30	0	3	1	2.36	NH					12.08	0.00
E0401	6.06	75	21	23.02	5.00	4.72	3.33	45.69	91.67	0.00	0.00	1.58	1.67	95.00	101.67	1	20	3	3	1	4.32	PS			6.06	575.70		
E0402	40.56	75	25	17.25	3.50	11.65	8.50	17.22	27.50	10.48	2.82	2.73	7.00	36.00	46.50	1	31	16	3	1	4.23	PS					40.56	1,460.16
E0407	1.48	52	26	36.30	12.22	23.76	17.22	10.17	13.33	3.61	1.89	1.11	3.33	30.56	46.11	1	33	8	3	1	3.55	PS					1.48	45.23
pp858*	7.70	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					7.70	0.00
T0407	0.73	69	21	10.40	3.00	7.19	5.50	16.36	24.00	17.69	9.18	1.51	9.00	29.50	41.50	1	28	31	3	1	4.08	PS					0.73	21.54
T0416	13.80	54	25	10.77	3.00	22.08	15.00	14.46	21.50	8.25	4.54	3.25	7.50	36.50	47.00	1	28	18	3	1	3.99	PS					13.80	503.70
T0507	15.42	54	25	52.56	11.50	22.15	17.00	18.40	25.50	12.90	5.00	2.89	9.00	42.50	63.00	1	36	16	3	1	4.22	PS					15.42	655.35
T0520	5.39	67	21	7.25	2.00	9.30	7.50	25.10	37.50	3.49	0.56	0.53	1.50	45.00	48.50	1	41	3	3	1	4.53	CS	5.39	242.55				
	167.08																						**5.39**	**242.55**	**6.06**	**575.70**	**155.63**	**4,962.18**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1102	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.23	5.98
D1109	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.57	137.45
E0303	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					4.59	220.32
E0304	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.78	0.00
E0401	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			0.03	2.85		
E0402	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					29.52	1,062.72
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.03**	**2.85**	**38.69**	**1,426.47**
D1242	2010	65554	Construct Installation -Wide Roads, Paved					2.06	62.83
E0303	2010	65554	Construct Installation -Wide Roads, Paved					0.40	19.20
E0303	2010	65557	Repair Existing Training Area Roads					0.87	41.76
E0401	2010	65554	Construct Installation -Wide Roads, Paved			0.87	82.65		
E0401	2010	65557	Repair Existing Training Area Roads			0.77	73.15		
T0407	2010	65554	Construct Installation -Wide Roads, Paved					0.27	7.97
T0407	2010	65557	Repair Existing Training Area Roads					0.28	8.26
T0416	2010	65554	Construct Installation -Wide Roads, Paved					0.68	24.82
T0416	2010	65557	Repair Existing Training Area Roads					0.14	5.11
T0507	2010	65554	Construct Installation -Wide Roads, Paved					0.58	24.65
T0520	2010	65557	Repair Existing Training Area Roads	0.18	8.10				
			2010 SUB-TOTAL	**0.18**	**8.10**	**1.64**	**155.80**	**5.28**	**194.60**
			TOTAL REMOVALS	**0.18**	**8.10**	**1.67**	**158.65**	**43.97**	**1,621.07**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**5.39**	**242.55**	**5.21**	**234.45**
Potentially Suitable Habitat	**6.03**	**572.85**	**4.39**	**417.05**
Future Potential Habitat	**116.94**	**3,535.71**	**111.66**	**3,341.11**
TOTAL	**128.36**	**4,351.11**	**121.26**	**3,992.61**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10U = Yellow Pine-Upland Hardwood Underplanted
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-63. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **E08-05R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0201	1.36	61	21	18.78	5.50	13.14	9.50	13.64	21.50	0.00	1.92	3.75	7.00	31.00	43.50	2	39	17	3	1	0	1.36	42.16				
E0801	49.40	61	26	7.69	2.50	23.00	16.50	21.46	32.00	7.66	2.79	0.80	3.50	48.50	54.50	1	37	7	3	2	1	49.40	2,395.90				
E0802	25.39	61	21	6.11	2.00	16.38	11.00	19.91	32.50	6.80	5.02	4.81	11.00	43.50	56.50	2	20	21	3	2	0	25.39	1,104.47				
E0804	11.88	49	21	37.21	11.50	24.23	18.00	17.81	26.50	3.35	1.83	1.71	4.00	44.50	60.00	2	38	8	3	2	1	11.88	528.66				
E0806	5.62	60	21	10.58	3.33	7.13	5.00	8.10	13.33	19.44	12.58	11.44	26.67	18.33	48.33	5	27	61	3	2	0					5.62	103.01
E0808	0.86	49	21	23.72	7.50	27.90	21.00	13.95	18.00	18.00	3.36	2.24	5.50	39.00	52.00	1	37	12	3	2	0	0.86	33.54				
E0809	5.45	61	21	32.65	8.00	24.58	19.00	22.06	32.50	5.63	2.54	2.50	6.00	51.50	65.50	1	31	10	3	2	1	5.45	280.68				
E0811	0.36	50	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	0					0.36	0.00
E0821	10.03	50	31	32.56	12.00	41.28	28.00	12.46	17.50	3.91	2.08	1.80	3.50	45.50	61.00	1	45	7	3	2	1	10.03	456.37				
pp637*	0.58	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
T0512	0.34	64	26	17.26	4.50	11.52	8.50	14.41	23.50	0.00	0.00	0.29	0.50	32.00	37.00	1	37	1	3	1	0	0.34	10.88				
T0527	64.76	16	31P	304.15	62.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	1	42	0	3	1	0					64.76	0.00
	176.03																					**104.71**	**4,852.66**	**0.00**	**0.00**	**70.74**	**103.01**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
E0201	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.16	4.96				
E0801	2010	65557	Repair/ Upgrade Existing Training Area Roads	2.45	118.83				
E0802	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.53	23.06				
E0804	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.12	5.34				
T0512	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.11	3.52				
T0527	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.27	0.00
			TOTAL REMOVALS	**3.37**	**155.71**	**0.00**	**0.00**	**1.27**	**0.00**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**101.34**	**4,696.95**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**69.47**	**103.01**
TOTAL	**170.81**	**4,799.96**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31P = Loblolly Pine Plantation
ND = No data collected, area unaccessible

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-64. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **E08-05R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0201	1.36	61	21	18.78	5.50	13.14	9.50	13.64	21.50	0.00	1.92	3.75	7.00	31.00	43.50	2	39	17	3	1	4.18	PS					1.36	42.16
E0801	49.40	61	26	7.69	2.50	23.00	16.50	21.46	32.00	7.66	2.79	0.80	3.50	48.50	54.50	1	37	7	3	2	4.58	CS	49.40	2,395.90				
E0802	25.39	61	21	6.11	2.00	16.38	11.00	19.91	32.50	6.80	5.02	4.81	11.00	43.50	56.50	2	20	21	3	2	4.48	PS			25.39	1,104.47		
E0804	11.88	49	21	37.21	11.50	24.23	18.00	17.81	26.50	3.35	1.83	1.71	4.00	44.50	60.00	2	38	8	3	2	4.09	PS					11.88	528.66
E0806	5.62	60	21	10.58	3.33	7.13	5.00	8.10	13.33	19.44	12.58	11.44	26.67	18.33	48.33	5	27	61	3	2	3.32	PS					5.62	103.01
E0808	0.86	49	21	23.72	7.50	27.90	21.00	13.95	18.00	18.00	3.36	2.24	5.50	39.00	52.00	1	37	12	3	2	3.95	PS					0.86	33.54
E0809	5.45	61	21	32.65	8.00	24.58	19.00	22.06	32.50	5.63	2.54	2.50	6.00	51.50	65.50	1	31	10	3	2	4.56	CS	5.45	280.68				
E0811	0.36	50	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	2.32	PS					0.36	0.00
E0821	10.03	50	31	32.56	12.00	41.28	28.00	12.46	17.50	3.91	2.08	1.80	3.50	45.50	61.00	1	45	7	3	2	4.05	PS					10.03	456.37
pp637*	0.58	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
T0512	0.34	64	26	17.26	4.50	11.52	8.50	14.41	23.50	0.00	0.00	0.29	0.50	32.00	37.00	1	37	1	3	1	4.18	PS					0.34	10.88
T0527	64.76	16	31P	304.15	62.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	1	42	0	3	1	2.46	NH					64.76	0.00
	176.03																						**54.85**	**2,676.58**	**25.39**	**1,104.47**	**95.20**	**1,174.62**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
E0201	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.16	4.96
E0801	2010	65557	Repair/ Upgrade Existing Training Area Roads	2.45	118.83				
E0802	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.53	23.06		
E0804	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.12	5.34
T0512	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.11	3.52
T0527	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.27	0.00
			TOTAL REMOVALS	**2.45**	**118.83**	**0.53**	**23.06**	**1.66**	**13.82**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**52.40**	**2,557.75**
Potentially Suitable Habitat	**24.86**	**1,081.41**
Future Potential Habitat	**93.54**	**1,160.80**
TOTAL	**170.81**	**4,799.96**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31P = Loblolly Pine Plantation
ND = No data collected, area unaccessible

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-65. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **F02-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0510	5.30	44	31	16.97	4.00	16.52	12.50	17.68	28.00	6.41	1.11	3.20	7.50	40.50	52.00	1	34	11	3	1	1	5.30	214.65				
D0514	22.11	51	21	11.97	2.50	1.31	1.00	12.15	21.00	2.46	1.50	0.84	3.00	22.00	27.50	2	33	15	3	1	0					22.11	486.42
F0102	1.84	17	31P	392.52	124.00	51.67	30.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	154.00	1	2	0	3	1	0					0.00	0.00
F0202	0.30	52	22P	9.59	2.00	22.76	18.00	13.51	18.00	0.00	0.53	0.00	0.50	36.00	38.50	1	25	1	3	1	0	0.30	10.80				
F0203	11.22	52	10	5.81	2.00	6.52	4.50	9.23	14.50	8.64	3.28	3.75	9.00	19.00	30.00	1	24	31	3	1	0					11.22	213.18
F0205	7.94	63	13	2.90	1.43	10.34	7.14	18.39	30.00	9.04	0.00	1.83	2.86	37.14	41.43	2	9	6	3	1	0	7.94	294.89				
F0206	17.88	69	21	6.55	2.00	14.04	10.50	21.02	33.50	5.37	0.00	1.82	3.00	44.00	49.00	1	19	5	3	1	1	17.88	786.72				
F0208	33.84	87	26	12.91	3.33	5.37	4.44	11.94	19.44	0.00	0.00	0.35	1.11	23.89	28.33	2	19	2	3	1	0					33.84	808.44
F0209	52.34	66	31	2.42	1.18	4.96	3.53	11.27	17.06	1.39	0.00	0.17	0.59	20.59	22.35	2	22	1	3	1	0					52.34	1,077.68
F0210	9.34	79	21	2.57	1.11	10.88	8.89	24.46	36.67	2.63	4.70	3.39	10.00	45.56	56.67	2	22	19	3	1	1	9.34	425.53				
F0211	8.05	58	99**	0.00	0.00	3.76	3.33	5.31	8.33	0.00	0.00	0.00	0.00	11.67	11.67	3	15	0	3	1	0					0.00	0.00
F0216	6.34	75	99**	31.92	5.00	0.00	0.00	0.63	1.67	0.00	0.00	0.00	0.00	1.67	6.67	2	52	0	3	1	0					0.00	0.00
F0218	0.06	62	31	17.21	3.50	9.06	7.00	7.23	10.00	4.23	0.86	0.44	1.50	17.00	22.00	2	24	7	3	1	0					0.00	0.00
F0220	2.70	104	31P	278.11	70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.00	3	10	0	3	1	0					0.00	0.00
F0224	6.57	57	10	17.36	4.50	6.88	4.50	10.68	15.50	23.86	9.33	8.14	19.00	20.00	43.50	3	31	50	3	1	0					0.00	0.00
K2106	1.17	57	21	7.08	1.67	18.46	14.44	16.16	25.56	5.48	0.00	0.73	1.11	40.00	42.78	2	36	2	3	1	1	1.17	46.80				
K2108	43.31	61	31	10.27	2.11	16.79	12.63	21.05	32.63	12.26	4.37	2.35	6.84	45.26	54.21	1	15	15	3	1	1	43.31	1,960.21				
pp226	0.91	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
pp365	3.00	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.00	0.00
pp366	1.64	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp367	4.14	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp65	1.90	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp67	2.28	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.28	0.00
pp68	5.62	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp69	9.47	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
	259.27																					**85.24**	**3,739.60**	**0.00**	**0.00**	**124.79**	**2,585.72**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0510	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	5.21	211.01				
D0514	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					19.10	420.20
F0202	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	0.30	10.80				
F0203	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					11.22	213.18
F0205	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	3.90	144.85				
F0206	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	10.37	456.28				
F0208	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					12.32	294.32
K2108	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	0.06	2.72				
pp365*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.00	0.00
pp67*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.07	0.00
			2009 SUB-TOTAL	**19.84**	**825.66**	**0.00**	**0.00**	**45.71**	**927.70**
D0510	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.07	2.84				
D0514	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.27	5.94
F0206	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.23	10.12				
F0208	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.13	3.11
			2010 SUB-TOTAL	**0.30**	**22.01**	**0.00**	**0.00**	**0.40**	**9.05**
			TOTAL REMOVALS	**20.14**	**847.67**	**0.00**	**0.00**	**46.11**	**936.75**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**65.40**	**2,913.94**	**65.10**	**2,891.93**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**79.08**	**1,658.02**	**73.46**	**1,582.75**
SUB-TOTAL	**144.48**	**4,571.96**	**138.56**	**4,474.68**
non-contiguous habitat	**-5.22**	**-66.22**	**0.00**	**0.00**
TOTAL	**139.26**	**4,505.74**	**138.56**	**4,474.68**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
99** = Brush Species (managed for hardwoods)

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stand pp67 and a portion of stand D0514 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table F-66. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **F02-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D0510	5.30	5.30	31	16.97	4.00	16.52	12.50	17.68	28.00	6.41	1.11	3.20	7.50	40.50	52.00	1	34	11	3	1	4.00	PS					5.30	214.65
D0514	22.11	22.11	21	11.97	2.50	1.31	1.00	12.15	21.00	2.46	1.50	0.84	3.00	22.00	27.50	2	33	15	3	1	3.84	PS					22.11	486.42
F0102	1.84	1.84	31P	392.52	124.00	51.67	30.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	154.00	1	2	0	3	1	2.16	NH					0.00	0.00
F0202	0.30	0.30	22P	9.59	2.00	22.76	18.00	13.51	18.00	0.00	0.53	0.00	0.50	36.00	38.50	1	25	1	3	1	3.85	PS					0.30	10.80
F0203	11.22	11.22	10	5.81	2.00	6.52	4.50	9.23	14.50	8.64	3.28	3.75	9.00	19.00	30.00	1	24	31	3	1	3.41	PS					11.22	213.18
F0205	7.94	7.94	13	2.90	1.43	10.34	7.14	18.39	30.00	9.04	0.00	1.83	2.86	37.14	41.43	2	9	6	3	1	4.08	PS					7.94	294.89
F0206	17.88	17.88	21	6.55	2.00	14.04	10.50	21.02	33.50	5.37	0.00	1.82	3.00	44.00	49.00	1	19	5	3	1	4.23	PS			17.88	786.72		
F0208	33.84	33.84	26	12.91	3.33	5.37	4.44	11.94	19.44	0.00	0.00	0.35	1.11	23.89	28.33	2	19	2	3	1	3.63	PS					33.84	808.44
F0209	52.34	52.34	31	2.42	1.18	4.96	3.53	11.27	17.06	1.39	0.00	0.17	0.59	20.59	22.35	2	22	1	3	1	3.74	PS					52.34	1,077.68
F0210	9.34	9.34	21	2.57	1.11	10.88	8.89	24.46	36.67	2.63	4.70	3.39	10.00	45.56	56.67	2	22	19	3	1	4.33	PS			9.34	425.53		
F0211	8.05	8.05	99**	0.00	0.00	3.76	3.33	5.31	8.33	0.00	0.00	0.00	0.00	11.67	11.67	3	15	0	3	1	3.01	PS					0.00	0.00
F0216	6.34	6.34	99**	31.92	5.00	0.00	0.00	0.63	1.67	0.00	0.00	0.00	0.00	1.67	6.67	2	52	0	3	1	3.14	PS					0.00	0.00
F0218	0.06	0.06	31	17.21	3.50	9.06	7.00	7.23	10.00	4.23	0.86	0.44	1.50	17.00	22.00	2	24	7	3	1	3.39	PS					0.00	0.00
F0220	2.70	2.70	31P	278.11	70.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	70.00	3	10	0	3	1	2.71	PS					0.00	0.00
F0224	6.57	6.56	10	17.36	4.50	6.88	4.50	10.68	15.50	23.86	9.33	8.14	19.00	20.00	43.50	3	31	50	3	1	3.70	PS					0.00	0.00
K2106	1.17	1.17	21	7.08	1.67	18.46	14.44	16.16	25.56	5.48	0.00	0.73	1.11	40.00	42.78	2	36	2	3	1	4.14	PS					1.17	46.80
K2108	43.31	43.31	31	10.27	2.11	16.79	12.63	21.05	32.63	12.26	4.37	2.35	6.84	45.26	54.21	1	15	15	3	1	4.23	PS			43.31	1,960.21		
pp226*	0.91	0.91	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp365*	3.00	3.10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.00	0.00
pp366*	1.64	1.65	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp367*	4.14	4.24	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp65*	1.90	1.92	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp67*	2.28	2.32	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.28	0.00
pp68*	5.62	5.75	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp69*	9.47	9.67	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
	259.27																						**0.00**	**0.00**	**70.53**	**3,172.46**	**139.50**	**3,152.86**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D0510	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					5.21	211.01
D0514	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					19.10	420.20
F0202	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.30	10.80
F0203	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					11.22	213.18
F0205	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.90	144.85
F0206	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			10.37	456.28		
F0208	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					12.32	294.32
K2108	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)			0.06	2.72		
pp365*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.00	0.00
pp67*	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					0.07	0.00
			2009 SUB-TOTAL	**0.00**	**0.00**	**10.43**	**459.00**	**55.12**	**1,294.36**
D0510	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.07	2.84
D0514	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.27	5.94
F0206	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.23	10.12
F0208	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.13	3.11
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**0.70**	**22.01**
			TOTAL REMOVALS	**0.00**	**0.00**	**10.43**	**459.00**	**55.82**	**1,316.37**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**60.10**	**2,713.46**	**60.10**	**2,713.46**
Future Potential Habitat	**84.38**	**1,858.50**	**78.46**	**1,770.27**
SUB-TOTAL	**144.48**	**4,571.96**	**138.56**	**4,483.73**
non-contiguous habitat	**-5.22**	**-66.22**	**0.00**	**0.00**
TOTAL	**139.26**	**4,505.74**	**138.56**	**4,483.73**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
99** = Brush Species (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stand pp67 and a portion of stand D0514 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table F-67. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **HCC-03R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
AOB18	0.42	63	31	22.84	5.50	12.08	8.50	3.96	5.50	0.00	0.51	0.36	1.00	14.00	20.50	1	12	5	3	1	0					0.00	0.00
pp531	2.44	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.44	0.00
pp635	1.91	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.91	0.00
R0237	1.21	80	13	24.14	7.37	7.34	5.26	11.92	20.53	23.15	12.35	3.22	15.26	25.79	48.42	2	17	45	3	1	0					1.21	31.21
R0238	4.06	87	31	24.91	7.00	10.16	7.50	14.48	25.50	33.08	12.16	7.36	21.00	33.00	61.00	2	14	44	3	1	0	4.06	133.98				
R0240	4.52	75	31	78.22	24.00	15.31	12.00	10.89	20.00	0.00	6.05	1.35	6.00	32.00	62.00	1	28	22	3	1	0			4.52	144.64		
S0104	16.33	52	21	18.25	5.00	2.28	1.50	11.94	24.00	2.24	1.15	1.29	4.50	25.50	35.00	1	31	15	3	1	0					16.33	416.42
S0105	28.49	70	31	8.01	3.00	7.53	5.50	16.50	27.50	4.86	1.33	2.52	5.00	33.00	41.00	2	23	14	3	1	0	28.49	940.17				
S0106	8.26	26	31	25.61	6.25	3.26	2.50	0.71	1.25	0.00	0.00	0.00	0.00	3.75	10.00	1	58	0	3	1	0					8.26	30.98
S0108	19.79	71	31	18.61	5.50	17.90	13.00	16.73	30.50	5.67	3.45	1.83	5.50	43.50	54.50	1	25	13	3	1	1	19.79	860.87				
S0113	13.84	91	21	11.13	2.50	12.46	9.50	22.68	37.00	3.89	0.72	4.92	10.00	46.50	59.00	1	9	14	3	1	1	13.84	643.56				
S0117	22.45	93	21	3.61	1.50	6.07	4.50	24.16	47.00	5.25	0.86	1.88	4.00	51.50	57.00	2	18	8	3	1	1	22.45	1,156.18				
S0118	24.91	44	31	33.28	10.00	23.68	17.00	14.83	23.00	48.56	22.09	7.79	27.00	40.00	77.00	5	6	44	3	1	0			24.91	996.40		
S0120	20.99	67	31	4.04	1.50	22.82	16.50	16.06	25.00	7.15	1.19	0.45	2.00	41.50	45.00	2	16	4	3	1	1	20.99	871.09				
S0122	56.24	63	31	21.44	6.00	23.00	16.50	14.40	21.00	6.81	1.09	0.83	2.50	37.50	46.00	1	26	5	3	1	0	56.24	2,109.00				
	225.86																					**165.86**	**6,714.85**	**29.43**	**1,141.04**	**30.15**	**478.61**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp531	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)					2.44	0.00
S0113	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)	8.73	405.95				
S0120	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)	3.49	144.84				
			2007 SUB-TOTAL	**12.22**	**550.79**	**0.00**	**0.00**	**2.44**	**0.00**
R0237	2008	65439	Road Improvements					0.35	9.03
S0104	2008	65439	Road Improvements					0.10	2.55
S0105	2008	65251	Unit Maintenance Activity Facility	3.70	122.10				
S0106	2008	65439	Road Improvements					0.24	0.90
S0108	2008	65439	Road Improvements	0.40	17.40				
			2008 SUB-TOTAL	**4.10**	**139.50**	**0.00**	**0.00**	**0.69**	**12.48**
R0240	2009	64797	Drivers Training Course			2.16	69.12		
R0240	2009	65252/48644	Centralized Wash Facility with Soaking Capability			0.01	0.32		
S0104	2009	65252/48644	Centralized Wash Facility with Soaking Capability					0.27	6.89
S0105	2009	65252/48644	Centralized Wash Facility with Soaking Capability	20.05	661.65				
S0105	2009	65438	Vehicle Maintenance Instruction Facility	0.39	12.87				
S0105	2009	65061	Museum Operations Support Building	0.32	10.56				
S0106	2009	65252/48644	Centralized Wash Facility with Soaking Capability					0.27	1.01
S0108	2009	65252/48644	Centralized Wash Facility with Soaking Capability	1.31	56.99				
S0113	2009	65252/48644	Centralized Wash Facility with Soaking Capability	4.65	216.23				
S0113	2009	65438	Vehicle Maintenance Instruction Facility	0.46	21.39				
S0117	2009	65252/48644	Centralized Wash Facility with Soaking Capability	9.83	506.25				
S0120	2009	65252/48644	Centralized Wash Facility with Soaking Capability	3.88	161.02				
S0122	2009	65252/48644	Centralized Wash Facility with Soaking Capability	29.73	1,114.88				
			2009 SUB-TOTAL	**70.62**	**2,761.84**	**2.17**	**69.44**	**0.54**	**7.90**
pp635	2011	63799	3 ID BCT (Heavy) Complex					1.11	0.00
S0104	2011	63799	3 ID BCT (Heavy) Complex					13.25	337.88
S0105	2011	63799	3 ID BCT (Heavy) Complex	4.00	132.00				
S0106	2011	63799	3 ID BCT (Heavy) Complex					4.90	18.38
S0108	2011	63799	3 ID BCT (Heavy) Complex	1.03	44.81				
S0117	2011	63799	3 ID BCT (Heavy) Complex	8.79	452.69				
			2011 SUB-TOTAL	**13.82**	**629.50**	**0.00**	**0.00**	**19.26**	**356.26**
			TOTAL REMOVALS	**100.76**	**4,081.63**	**2.17**	**69.44**	**22.93**	**376.64**

POST-PROJECT	**2007**		**2008**		**2009**		**2011**	
	Acres	**BA**	**Acres**	**BA**	**Acres**	**BA**	**Acres**	**BA**
Suitable Habitat	**153.64**	**6,164.06**	**149.54**	**6,024.56**	**78.92**	**3,262.72**	**65.10**	**2,633.22**
Potentially Suitable Habitat	**29.43**	**1,141.04**	**29.43**	**1,141.04**	**27.26**	**1,071.60**	**26.81**	**1,057.20**
Future Potential Habitat	**27.71**	**478.61**	**27.02**	**466.13**	**26.48**	**458.23**	**7.22**	**101.97**
SUB-TOTAL	**210.78**	**7,783.71**	**205.99**	**7,631.73**	**132.66**	**4,792.55**	**99.13**	**3,792.39**
non-contiguous habitat	**0.00**	**0.00**	**0.00**	**0.00**	**-0.45**	**-14.40**	**0.00**	**0.00**
TOTAL	**210.78**	**7,783.71**	**205.99**	**7,631.73**	**132.21**	**4,778.15**	**99.13**	**3,792.39**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

A portion of stand RO240 will be non-contiguous as a result of project impacts and cannot be counted towards the availabe foraging habitat for the partition. Future removals from this stand were not considered.

Table F-68. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **HCC-03R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
AOB18	0.42	63	31	22.84	5.50	12.08	8.50	3.96	5.50	0.00	0.51	0.36	1.00	14.00	20.50	1	12	5	3	1	2.99	PS					0.00	0.00
pp531	2.44	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.44	0.00
pp635*	1.91	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.91	0.00
R0237	1.21	80	13	24.14	7.37	7.34	5.26	11.92	20.53	23.15	12.35	3.22	15.26	25.79	48.42	2	17	45	3	1	3.76	PS					1.21	31.21
R0238	4.06	87	31	24.91	7.00	10.16	7.50	14.48	25.50	33.08	12.16	7.36	21.00	33.00	61.00	2	14	44	3	1	4.01	PS					4.06	133.98
R0240	4.52	75	31	78.22	24.00	15.31	12.00	10.89	20.00	0.00	6.05	1.35	6.00	32.00	62.00	1	28	22	3	1	3.80	PS					4.52	144.64
S0104	16.33	52	21	18.25	5.00	2.28	1.50	11.94	24.00	2.24	1.15	1.29	4.50	25.50	35.00	1	31	15	3	1	3.84	PS					16.33	416.42
S0105	28.49	70	31	8.01	3.00	7.53	5.50	16.50	27.50	4.86	1.33	2.52	5.00	33.00	41.00	2	23	14	3	1	4.13	PS					28.49	940.17
S0106	8.26	26	31	25.61	6.25	3.26	2.50	0.71	1.25	0.00	0.00	0.00	0.00	3.75	10.00	1	58	0	3	1	2.60	NH					8.26	30.98
S0108	19.79	71	31	18.61	5.50	17.90	13.00	16.73	30.50	5.67	3.45	1.83	5.50	43.50	54.50	1	25	13	3	1	4.18	PS					19.79	860.87
S0113	13.84	91	21	11.13	2.50	12.46	9.50	22.68	37.00	3.89	0.72	4.92	10.00	46.50	59.00	1	9	14	3	1	4.13	PS			13.84	643.56		
S0117	22.45	93	21	3.61	1.50	6.07	4.50	24.16	47.00	5.25	0.86	1.88	4.00	51.50	57.00	2	18	8	3	1	4.23	PS			22.45	1,156.18		
S0118	24.91	44	31	33.28	10.00	23.68	17.00	14.83	23.00	48.56	22.09	7.79	27.00	40.00	77.00	5	6	44	3	1	3.41	PS					24.91	996.40
S0120	20.99	67	31	4.04	1.50	22.82	16.50	16.06	25.00	7.15	1.19	0.45	2.00	41.50	45.00	2	16	4	3	1	4.08	PS					20.99	871.09
S0122	56.24	63	31	21.44	6.00	23.00	16.50	14.40	21.00	6.81	1.09	0.83	2.50	37.50	46.00	1	26	5	3	1	4.12	PS					56.24	2,109.00
	225.86																						**0.00**	**0.00**	**36.29**	**1,799.74**	**189.15**	**6,534.76**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp531	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)					2.44	0.00
S0113	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)			8.73	405.95		
S0120	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)					3.49	144.84
			2007 SUB-TOTAL	**0.00**	**0.00**	**8.73**	**405.95**	**5.93**	**144.84**
R0237	2008	65439	Road Improvements					0.35	9.03
S0104	2008	65439	Road Improvements					0.10	2.55
S0105	2008	65251	Unit Maintenance Activity Facility					3.70	122.10
S0106	2008	65439	Road Improvements					0.24	0.90
S0108	2008	65439	Road Improvements					0.40	17.40
			2008 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**4.79**	**151.98**
R0240	2009	64797	Drivers Training Course					2.16	69.12
R0240	2009	65252/48644	Centralized Wash Facility with Soaking Capability					0.01	0.32
S0104	2009	65252/48644	Centralized Wash Facility with Soaking Capability					0.27	6.89
S0105	2009	65252/48644	Centralized Wash Facility with Soaking Capability					20.05	661.65
S0105	2009	65438	Vehicle Maintenance Instruction Facility					0.39	12.87
S0105	2007	65061	Museum Operations Support Building					0.32	10.56
S0106	2009	65252/48644	Centralized Wash Facility with Soaking Capability					0.27	1.01
S0108	2009	65252/48644	Centralized Wash Facility with Soaking Capability					1.31	56.99
S0113	2009	65252/48644	Centralized Wash Facility with Soaking Capability			4.65	216.23		
S0113	2009	65438	Vehicle Maintenance Instruction Facility			0.46	21.39		
S0117	2009	65252/48644	Centralized Wash Facility with Soaking Capability			9.83	506.25		
S0120	2009	65252/48644	Centralized Wash Facility with Soaking Capability					3.88	161.02
S0122	2009	65252/48644	Centralized Wash Facility with Soaking Capability					29.73	1,114.88
			2009 SUB-TOTAL	**0.00**	**0.00**	**14.94**	**743.87**	**58.39**	**2,095.31**
pp635	2011	63799	3 ID BCT (Heavy) Complex					1.11	0.00
S0104	2011	63799	3 ID BCT (Heavy) Complex					13.25	337.88
S0105	2011	63799	3 ID BCT (Heavy) Complex					4.00	132.00
S0106	2011	63799	3 ID BCT (Heavy) Complex					4.90	18.38
S0108	2011	63799	3 ID BCT (Heavy) Complex					1.03	44.81
S0117	2011	63799	3 ID BCT (Heavy) Complex			8.79	452.69		
			2011 SUB-TOTAL	**0.00**	**0.00**	**8.79**	**452.69**	**24.29**	**533.07**
			TOTAL REMOVALS	**0.00**	**0.00**	**32.46**	**1,602.51**	**93.40**	**2,925.20**

POST-PROJECT	**2007**		**2008**		**2009**		**2011**	
	Acres	**BA**	**Acres**	**BA**	**Acres**	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**27.56**	**1,393.79**	**27.56**	**1,393.79**	**12.62**	**649.92**	**3.83**	**197.23**
Future Potential Habitat	**183.22**	**6,389.92**	**178.43**	**6,237.94**	**120.04**	**4,142.63**	**95.30**	**3,595.16**
TOTAL	**210.78**	**7,783.71**	**205.99**	**7,631.73**	**132.66**	**4,792.55**	**99.13**	**3,792.39**
non-contiguous habitat	**0.00**	**0.00**	**0.00**	**0.00**	**-0.45**	**-14.40**	**0.00**	**0.00**
TOTAL	**210.78**	**7,783.71**	**205.99**	**7,631.73**	**132.21**	**4,778.15**	**99.13**	**3,792.39**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

A portion of stand RO240 will be non-contiguous as a result of project impacts and cannot be counted towards the availabe foraging habitat for the partition. Future removals from this stand were not considered.

Table F-69. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **HCC-08R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
EE0111	1.64	107	31	31.80	8.50	17.52	12.50	11.69	21.50	34.09	5.01	1.85	6.50	34.00	49.00	2	7	19	3	1	0	1.64	55.76				
EE0116	21.02	85	31	32.99	8.50	13.05	9.00	14.11	26.50	0.00	0.00	0.10	0.50	35.50	44.50	2	23	0	3	1	0	21.02	746.21				
EE0201	19.04	84	31	3.98	1.00	5.95	4.00	11.54	26.50	5.18	1.20	0.45	1.50	30.50	33.00	1	36	9	3	1	0	19.04	580.72				
EE0202	15.30	63	31	94.21	22.22	14.48	10.56	14.25	21.67	3.49	0.00	0.17	0.56	32.22	55.00	6	26	1	3	1	0			15.30	492.97		
EE0203	6.27	84	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					6.27	0.00
EE0206	13.67	103	31	0.00	0.00	6.08	4.71	12.61	27.06	1.49	1.38	3.02	7.06	31.76	38.82	1	54	19	3	1	0	13.67	434.16				
EE0207	34.05	56	31	26.85	7.50	12.26	9.00	11.66	22.00	25.81	8.50	4.56	13.50	31.00	52.00	7	9	35	3	1	0			34.05	1,055.55		
EE0208	2.62	56	31	2.83	1.05	7.49	5.79	13.97	21.58	3.65	5.99	2.30	8.95	27.37	37.37	9	20	28	3	1	0					0.00	0.00
EE0212	72.56	105	31	105.86	24.74	20.39	14.21	8.99	14.74	6.39	1.00	0.00	0.53	28.95	54.21	1	29	3	3	1	0					72.56	2,100.61
EE0213	2.62	72	31	9.37	3.50	9.06	6.50	13.39	26.50	7.86	7.79	2.80	10.00	33.00	46.50	8	25	32	3	1	0			2.62	86.46		
EE0215	18.77	80	31	18.88	6.00	11.86	8.50	10.15	15.50	2.86	5.42	5.08	13.00	24.00	43.00	8	23	32	3	1	0					18.77	450.48
EE0221	3.38	80	13	19.74	5.50	7.11	5.50	19.91	37.50	16.61	6.04	4.72	12.00	43.00	60.50	1	17	28	3	1	0	3.38	145.34				
pp122*	0.16	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.16	0.00
	211.10																					**58.75**	**1,962.19**	**51.97**	**1,634.98**	**97.76**	**2,551.09**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
EE0111	2010	65405	Equipment Concentration Site (ECS)	0.88	29.92				
EE0116	2010	65405	Equipment Concentration Site (ECS)	7.81	277.26				
EE0201	2010	65405	Equipment Concentration Site (ECS)	0.05	1.53				
pp122*	2010	65405	Equipment Concentration Site (ECS)					0.16	0.00
				8.74	**308.71**	**0.00**	**0.00**	**0.16**	**0.00**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**50.01**	**1,653.48**
Potentially Suitable Habitat	**51.97**	**1,634.98**
Future Potential Habitat	**97.60**	**2,551.09**
TOTAL	**199.58**	**5,839.55**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21P = Longleaf Pine Plantation
31 = Loblolly Pine
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-70. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **HCC-08R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
EE0111	1.64	107	31	31.80	8.50	17.52	12.50	11.69	21.50	34.09	5.01	1.85	6.50	34.00	49.00	2	7	19	3	1	3.75	PS					1.64	55.76
EE0116	21.02	85	31	32.99	8.50	13.05	9.00	14.11	26.50	0.00	0.00	0.10	0.50	35.50	44.50	2	23	0	3	1	4.08	PS					21.02	746.21
EE0201	19.04	84	31	3.98	1.00	5.95	4.00	11.54	26.50	5.18	1.20	0.45	1.50	30.50	33.00	1	36	9	3	1	4.03	PS					19.04	580.72
EE0202	15.30	63	31	94.21	22.22	14.48	10.56	14.25	21.67	3.49	0.00	0.17	0.56	32.22	55.00	6	26	1	3	1	3.75	PS					15.30	492.97
EE0203	6.27	84	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.31	PS					6.27	0.00
EE0206	13.67	103	31	0.00	0.00	6.08	4.71	12.61	27.06	1.49	1.38	3.02	7.06	31.76	38.82	1	54	19	3	1	4.13	PS					13.67	434.16
EE0207	34.05	56	31	26.85	7.50	12.26	9.00	11.66	22.00	25.81	8.50	4.56	13.50	31.00	52.00	7	9	35	3	1	3.22	PS					34.05	1,055.55
EE0208	2.62	56	31	2.83	1.05	7.49	5.79	13.97	21.58	3.65	5.99	2.30	8.95	27.37	37.37	9	20	28	3	1	3.48	PS					0.00	0.00
EE0212	72.56	105	31	105.86	24.74	20.39	14.21	8.99	14.74	6.39	1.00	0.00	0.53	28.95	54.21	1	29	3	3	1	3.22	PS					72.56	2,100.61
EE0213	2.62	72	31	9.37	3.50	9.06	6.50	13.39	26.50	7.86	7.79	2.80	10.00	33.00	46.50	8	25	32	3	1	3.79	PS					2.62	86.46
EE0215	18.77	80	31	18.88	6.00	11.86	8.50	10.15	15.50	2.86	5.42	5.08	13.00	24.00	43.00	8	23	32	3	1	3.39	PS					18.77	450.48
EE0221	3.38	80	13	19.74	5.50	7.11	5.50	19.91	37.50	16.61	6.04	4.72	12.00	43.00	60.50	1	17	28	3	1	4.23	PS			3.38	145.34		
pp122*	0.16	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.16	0.00
	211.10																						**0.00**	**0.00**	**3.38**	**145.34**	**205.10**	**6,002.92**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
EE0111	2010	65405	Equipment Concentration Site (ECS)					0.88	29.92
EE0116	2010	65405	Equipment Concentration Site (ECS)					7.81	277.26
EE0201	2010	65405	Equipment Concentration Site (ECS)					0.05	1.53
pp122*	2010	65405	Equipment Concentration Site (ECS)					0.16	0.00
				0.00	**0.00**	**0.00**	**0.00**	**8.90**	**308.71**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**3.38**	**145.34**
Future Potential Habitat	**196.20**	**5,694.21**
TOTAL	**199.58**	**5,839.55**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
13 = Loblolly Pine-Hardwood
21P = Longleaf Pine Plantation
31 = Loblolly Pine
ND = No data provided

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-71. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **HCC-10R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0711	0.74	48	26	34.26	10.00	29.29	20.00	10.07	14.00	7.44	0.00	0.23	0.50	34.00	44.50	1	43	1	3	1	0	0.74	25.16				
A0725	0.52	49	31	8.28	2.50	16.40	12.50	16.80	28.50	3.67	2.58	1.65	4.50	41.00	48.00	2	34	11	3	1	1	0.52	21.32				
A0804	3.26	56	21	31.74	9.00	15.09	10.50	17.29	24.50	5.29	1.09	1.41	3.50	35.00	47.50	1	30	7	3	1	0	3.26	114.10				
EE0105	20.47	72	21	17.61	4.50	14.72	11.00	8.62	11.00	23.98	3.38	0.33	3.00	22.00	29.50	1	14	14	3	1	0					20.47	450.34
EE0107	24.82	72	21	9.00	2.50	8.87	6.50	15.65	23.50	0.00	1.31	0.29	2.00	30.00	34.50	8	30	6	3	1	0			24.82	744.60		
EE0110	88.40	59	31	21.70	6.00	16.99	13.00	18.59	33.50	5.45	4.27	0.83	4.50	46.50	57.00	6	13	13	3	1	0			88.40	4,110.60		
EE0111	57.81	107	31	31.80	8.50	17.52	12.50	11.69	21.50	34.09	5.01	1.85	6.50	34.00	49.00	2	7	19	3	1	0	57.81	1,965.54				
EE0112	18.66	97	21	2.85	1.00	7.63	5.50	14.19	22.50	1.06	0.00	2.04	3.00	28.00	32.00	6	30	9	3	1	0					18.66	522.48
EE0113	14.47	85	21	27.76	5.50	5.10	3.50	8.82	15.50	0.00	0.00	0.11	0.50	19.00	25.00	9	27	1	3	1	0					14.47	274.93
EE0116	16.20	85	31	32.99	8.50	13.05	9.00	14.11	26.50	0.00	0.00	0.10	0.50	35.50	44.50	2	23	0	3	1	0	16.20	575.10				
EE0117	10.74	82	21	17.08	5.00	13.92	10.50	23.21	32.50	1.18	0.94	0.79	2.00	43.00	50.00	8	12	4	3	1	0			10.74	461.82		
EE0119	0.11	56	31	31.37	7.00	8.09	6.00	10.64	19.00	3.70	0.00	0.00	0.00	25.00	32.00	7	29	0	3	1	0					0.00	0.00
pp122*	19.00	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					19.00	0.00
S0110	2.31	67	26	35.42	7.78	3.49	3.33	3.12	7.78	0.00	0.00	1.74	2.22	11.11	21.11	2	47	21	3	1	0					2.31	25.66
S0120	17.16	67	31	4.04	1.50	22.82	16.50	16.06	25.00	7.15	1.19	0.45	2.00	41.50	45.00	2	16	4	3	1	1	17.16	712.14				
S0125	0.15	85	31	22.78	6.19	16.22	11.90	13.73	26.67	2.20	1.26	0.00	0.95	38.57	45.71	3	20	4	3	1	0	0.15	5.79				
	294.82																					**95.84**	**3,419.15**	**123.96**	**5,317.02**	**74.91**	**1,273.41**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0711	2007	64370/65040	Training Barracks Complex 1	0.24	8.16				
EE0105	2007	64370/65040	Training Barracks Complex 1					19.96	439.12
EE0107	2007	64370/65040	Training Barracks Complex 1			12.37	371.10		
EE0110	2007	64370/65040	Training Barracks Complex 1			44.05	2,048.33		
EE0112	2007	64370/65040	Training Barracks Complex 1					5.26	147.28
S0110	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)					1.03	11.44
S0120	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)	6.82	283.03				
			2007 SUB-TOTAL	**7.06**	**291.19**	**56.42**	**2,419.43**	**26.25**	**597.84**
A0804	2008	65439	Road Improvements/Tank Bridge	0.21	7.35				
EE0107	2008	65439	Road Improvements			0.87	26.10		
EE0110	2008	65439	Road Improvements			1.54	71.61		
EE0110	2008	65439	Road Improvements/Tank Bridge			5.68	264.12		
EE0111	2008	65439	Road Improvements	1.76	59.84				
EE0111	2008	65439	Road Improvements/Tank Bridge	1.77	60.18				
EE0112	2008	65439	Road Improvements/Tank Bridge					1.51	42.28
EE0117	2008	65439	Road Improvements/Tank Bridge			0.22	9.46		
S0120	2008	65439	Road Improvements/Tank Bridge	0.25	10.38				
			2008 SUB-TOTAL	**3.99**	**137.75**	**8.31**	**371.29**	**1.51**	**42.28**
A0711	2009	n/a	Tank Trail Construction	0.14	4.76				
A0804	2009	n/a	Tank Trail Construction	0.09	3.15				
EE0105	2009	n/a	Tank Trail Construction					0.51	11.22
EE0112	2009	n/a	Tank Trail Construction					0.71	19.88
EE0117	2009	n/a	Tank Trail Construction			0.40	17.20		
S0120	2009	65252	Centralized Wash Facility with Soaking Capability	1.11	46.07				
			2009 SUB-TOTAL	**1.34**	**53.98**	**0.40**	**17.20**	**1.22**	**31.10**
EE0110	2010	65405	Equipment Concentration Site (ECS)			3.27	152.06		
EE0111	2010	65405	Equipment Concentration Site (ECS)	2.61	88.74				
EE0113	2010	65405	Equipment Concentration Site (ECS)					4.18	79.42
EE0116	2010	65405	Equipment Concentration Site (ECS)	12.78	453.69				
pp122*	2010	65405	Equipment Concentration Site (ECS)					18.89	0.00
			2010 SUB-TOTAL	**15.39**	**542.43**	**3.27**	**152.06**	**23.07**	**79.42**
EE0107	2012	65065	Chapel			0.56	16.80		
			2012 SUB-TOTAL	**0.00**	**0.00**	**0.56**	**16.80**	**0.00**	**0.00**
			TOTAL REMOVALS	**27.78**	**1,025.35**	**68.96**	**2,976.78**	**52.05**	**750.64**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

POST-PROJECT	2007		2008		2009		2010		2012	
	Acres	BA	Acres	BA	Acres	BA	Acres	BA	Acres	BA
Suitable/ Potentially Suitable Habitat	**88.78**	**3,127.96**	**84.79**	**2,990.21**	**83.45**	**2,936.23**	**68.06**	**2,393.80**	**68.06**	**2,393.80**
	67.54	**2,897.59**	**59.23**	**2,526.30**	**58.83**	**2,509.10**	**55.56**	**2,357.04**	**55.00**	**2,340.24**
Future Potential Habitat	**48.66**	**675.57**	**47.15**	**633.29**	**45.93**	**602.19**	**22.86**	**522.77**	**22.86**	**522.77**
TOTAL	**204.98**	**6,701.12**	**191.17**	**6,149.80**	**188.21**	**6,047.52**	**146.48**	**5,273.61**	**145.92**	**5,256.81**

Table F-72. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **HCC-10R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0711	0.74	48	26	34.26	10.00	29.29	20.00	10.07	14.00	7.44	0.00	0.23	0.50	34.00	44.50	1	43	1	3	1	3.56	PS					0.74	25.16
A0725	0.52	49	31	8.28	2.50	16.40	12.50	16.80	28.50	3.67	2.58	1.65	4.50	41.00	48.00	2	34	11	3	1	4.00	PS					0.52	21.32
A0804	3.26	56	21	31.74	9.00	15.09	10.50	17.29	24.50	5.29	1.09	1.41	3.50	35.00	47.50	1	30	7	3	1	4.06	PS					3.26	114.10
EE0105	20.47	72	21	17.61	4.50	14.72	11.00	8.62	11.00	23.98	3.38	0.33	3.00	22.00	29.50	1	14	14	3	1	3.34	PS					20.47	450.34
EE0107	24.82	72	21	9.00	2.50	8.87	6.50	15.65	23.50	0.00	1.31	0.29	2.00	30.00	34.50	8	30	6	3	1	3.74	PS					24.82	744.60
EE0110	88.40	59	31	21.70	6.00	16.99	13.00	18.59	33.50	5.45	4.27	0.83	4.50	46.50	57.00	6	13	13	3	1	3.85	PS			88.40	4,110.60		
EE0111	57.81	107	31	31.80	8.50	17.52	12.50	11.69	21.50	34.09	5.01	1.85	6.50	34.00	49.00	2	7	19	3	1	3.75	PS					57.81	1,965.54
EE0112	18.66	97	21	2.85	1.00	7.63	5.50	14.19	22.50	1.06	0.00	2.04	3.00	28.00	32.00	6	30	9	3	1	3.85	PS					18.66	522.48
EE0113	14.47	85	21	27.76	5.50	5.10	3.50	8.82	15.50	0.00	0.00	0.11	0.50	19.00	25.00	9	27	1	3	1	3.05	PS					14.47	274.93
EE0116	16.20	85	31	32.99	8.50	13.05	9.00	14.11	26.50	0.00	0.00	0.10	0.50	35.50	44.50	2	23	0	3	1	4.08	PS					16.20	575.10
EE0117	10.74	82	21	17.08	5.00	13.92	10.50	23.21	32.50	1.18	0.94	0.79	2.00	43.00	50.00	8	12	4	3	1	3.89	PS			10.74	461.82		
EE0119	0.11	56	31	31.37	7.00	8.09	6.00	10.64	19.00	3.70	0.00	0.00	0.00	25.00	32.00	7	29	0	3	1	3.23	PS					0.00	0.00
pp122*	19.00	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					19.00	0.00
S0110	2.31	67	26	35.42	7.78	3.49	3.33	3.12	7.78	0.00	0.00	1.74	2.22	11.11	21.11	2	47	21	3	1	3.27	PS					2.31	25.66
S0120	17.16	67	31	4.04	1.50	22.82	16.50	16.06	25.00	7.15	1.19	0.45	2.00	41.50	45.00	2	16	4	3	1	4.08	PS					17.16	712.14
S0125	0.15	85	31	22.78	6.19	16.22	11.90	13.73	26.67	2.20	1.26	0.00	0.95	38.57	45.71	3	20	4	3	1	4.01	PS					0.15	5.79
	294.82																						**0.00**	**0.00**	**99.14**	**4,572.42**	**195.57**	**5,437.16**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0711	2007	64370/65040	Training Barracks Complex 1					0.24	8.16
EE0105	2007	64370/65040	Training Barracks Complex 1					19.96	439.12
EE0107	2007	64370/65040	Training Barracks Complex 1					12.37	371.10
EE0110	2007	64370/65040	Training Barracks Complex 1			44.05	2,048.33		
EE0112	2007	64370/65040	Training Barracks Complex 1					5.26	147.28
S0110	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)					1.03	11.44
S0120	2007	64459/65862	Training Support Brigade Complex (Phase 1 and 2)					6.82	283.03
			2007 SUB-TOTAL	**0.00**	**0.00**	**44.05**	**2,048.33**	**45.68**	**1,260.13**
A0804	2008	65439	Road Improvements/Tank Bridge					0.21	7.35
EE0107	2008	65439	Road Improvements					0.87	26.10
EE0110	2008	65439	Road Improvements			1.54	71.61		
EE0110	2008	65439	Road Improvements/Tank Bridge			5.68	264.12		
EE0111	2008	65439	Road Improvements					1.76	59.84
EE0111	2008	65439	Road Improvements/Tank Bridge					1.77	60.18
EE0112	2008	65439	Road Improvements/Tank Bridge					1.51	42.28
EE0117	2008	65439	Road Improvements/Tank Bridge			0.22	9.46		
S0120	2008	65439	Road Improvements/Tank Bridge					0.25	10.38
			2008 SUB-TOTAL	**0.00**	**0.00**	**7.44**	**345.19**	**6.37**	**206.13**
A0711	2009	n/a	Tank Trail Construction					0.14	4.76
A0804	2009	n/a	Tank Trail Construction					0.09	3.15
EE0105	2009	n/a	Tank Trail Construction					0.51	11.22
EE0112	2009	n/a	Tank Trail Construction					0.71	19.88
EE0117	2009	n/a	Tank Trail Construction			0.40	17.20		
S0120	2009	65252	Centralized Wash Facility with Soaking Capability					1.11	46.07
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.40**	**17.20**	**2.56**	**85.08**
EE0110	2010	65405	Equipment Concentration Site (ECS)			3.27	152.06		
EE0111	2010	65405	Equipment Concentration Site (ECS)					2.61	88.74
EE0113	2010	65405	Equipment Concentration Site (ECS)					4.18	79.42
EE0116	2010	65405	Equipment Concentration Site (ECS)					12.78	453.69
pp122*	2010	65405	Equipment Concentration Site (ECS)					18.89	0.00
			2010 SUB-TOTAL	**0.00**	**0.00**	**3.27**	**152.06**	**38.46**	**621.85**
EE0107	2007	65065	Chapel					0.56	16.80
			2012 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**0.56**	**16.80**
			TOTAL REMOVALS	**0.00**	**0.00**	**55.16**	**2,562.78**	**93.63**	**2,189.99**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

POST-PROJECT	**2007**		**2008**		**2009**		**2010**		**2012**	
	Acres	**BA**	**Acres**	**BA**	**Acres**	**BA**	**Acres**	**BA**	**Acres**	**BA**
Suitable/ Potentially Suitable	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Habitat	**55.09**	**2,524.09**	**47.65**	**2,178.90**	**47.25**	**2,161.70**	**43.98**	**2,009.64**	**43.98**	**2,009.64**
Future Potential Habitat	**149.89**	**4,177.03**	**143.52**	**3,970.90**	**140.96**	**3,885.82**	**102.50**	**3,263.97**	**101.94**	**3,247.17**
TOTAL	**204.98**	**6,701.12**	**191.17**	**6,149.80**	**188.21**	**6,047.52**	**146.48**	**5,273.61**	**145.92**	**5,256.81**

Table F-73. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **HCC-11R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0704	15.45	59	31	9.05	3.50	12.21	8.00	2.92	3.50	1.08	1.51	0.66	2.00	11.50	17.00	8	20	13	3	1	0					15.45	177.68
A0708	7.01	72	21	23.62	6.00	12.48	8.50	12.47	20.50	3.84	2.34	0.70	2.50	29.00	37.50	1	41	11	3	2	0					7.01	203.29
A0709	37.59	53	31	31.84	9.47	20.81	15.26	9.63	13.16	8.74	0.00	2.04	4.21	28.42	42.11	1	22	6	3	2	0					37.59	1,068.31
BB0336	11.24	36	22U	14.41	5.00	16.17	10.50	0.94	1.00	0.00	0.00	0.00	0.00	11.50	16.50	1	40	0	3	2	0					11.24	129.26
BB0337	1.15	61	31	0.00	0.00	61.71	43.33	8.27	10.00	0.00	0.00	0.00	0.00	53.33	53.33	6	13	0	3	2	0			0.00	0.00		
BB0339	10.12	55	26	8.00	2.50	27.67	19.00	8.43	12.50	13.98	7.84	4.14	11.50	31.50	45.50	1	22	25	3	2	0	10.12	318.78				
BB0343	4.29	55	26	10.87	5.00	8.20	7.50	9.63	17.50	14.11	13.61	6.98	20.00	25.00	50.00	5	8	54	3	2	0					4.29	107.25
BB0425	0.28	48	22P	88.51	26.00	26.97	18.00	2.93	4.00	13.37	2.04	0.00	1.50	22.00	49.50	2	12	6	3	1	0					0.28	6.16
BB0439	1.61	67	26	24.41	7.00	18.76	12.50	18.21	27.00	17.27	4.23	3.31	8.00	39.50	54.50	1	20	17	3	1	0	1.61	63.60				
BB0442	0.10	58	26	40.10	11.50	22.87	16.50	13.42	19.50	6.01	0.58	3.50	7.00	36.00	54.50	1	13	10	3	1	0	0.10	3.60				
HCC10	122.10	76	21	8.69	2.00	11.19	8.00	12.45	19.50	8.63	0.00	1.05	2.00	27.50	31.50	6	31	4	3	1	0					122.10	3,357.75
HCC13	20.49	68	21	5.87	1.50	5.69	4.50	9.34	16.00	0.00	0.52	0.64	2.00	20.50	24.00	8	15	7	3	1	0					20.49	420.05
pp247*	13.83	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					13.83	0.00
pp492*	0.52	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.52	0.00
pp525*	3.73	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.73	0.00
pp530*	4.71	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.71	0.00
	254.22																					**11.83**	**385.98**	**0.00**	**0.00**	**241.24**	**5,469.75**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	SuitableAcreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
BB0336	2007	65056	IET Brigade Headquarters Building					4.09	47.04
BB0343	2007	65056	IET Brigade Headquarters Building					1.93	48.25
HCC10	2007	65056	IET Brigade Headquarters Building					0.16	4.40
HCC10	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					2.32	63.80
HCC13	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					6.94	142.27
pp247*	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					12.47	0.00
			2007 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**27.91**	**305.76**
A0704	2008	65439	Road Improvements					2.64	30.36
A0708	2008	65439	Road Improvements					2.00	58.00
A0709	2008	65439	Road Improvements					1.81	51.44
BB0439	2008	65439	Road Improvements	0.65	25.68				
BB0442	2008	65439	Road Improvements	0.10	3.60				
HCC10	2008	65439	Road Improvements					8.45	232.38
HCC13	2008	65439	Road Improvements					1.41	28.91
			2008 SUB-TOTAL	**0.75**	**29.28**	**0.00**	**0.00**	**16.31**	**401.09**
A0708	2009	n/a	Tank Trail Construction					0.46	13.34
A0709	2009	n/a	Tank Trail Construction					1.85	52.58
BB0336	2009	n/a	Tank Trail Construction					0.64	7.36
HCC10	2009	n/a	Tank Trail Construction					2.56	70.40
pp525*	2009	n/a	Tank Trail Construction					0.52	0.00
pp530*	2009	n/a	Tank Trail Construction					0.20	0.00
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**6.23**	**143.68**
			TOTAL REMOVALS	**0.75**	**29.28**	**0.00**	**0.00**	**50.45**	**850.53**

POST-PROJECT	**2007**		**2008**		**2009**	
	Acres	**BA**	**Acres**	**BA**	**Acres**	**BA**
Suitable Habitat	**11.83**	**385.98**	**11.08**	**356.70**	**11.08**	**356.70**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**213.33**	**5,163.99**	**194.70**	**4,715.34**	**188.47**	**4,571.66**
SUB-TOTAL	**225.16**	**5,549.97**	**205.78**	**5,072.04**	**199.55**	**4,928.36**
non-contiguous habitat	**-2.32**	**-47.56**	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL	**222.84**	**5,502.41**	**205.78**	**5,072.04**	**199.55**	**4,928.36**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
22U = Slash Pine Underplanted
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

A portion of stand HCC13 will be non-contiguous as a result of project removals and cannot be counted towards the available foraging habitat for the parititon.

Table F-74. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **HCC-11R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0704	15.45	59	31	9.05	3.50	12.21	8.00	2.92	3.50	1.08	1.51	0.66	2.00	11.50	17.00	8	20	13	3	1	2.48	PS					15.45	177.68
A0708	7.01	72	21	23.62	6.00	12.48	8.50	12.47	20.50	3.84	2.34	0.70	2.50	29.00	37.50	1	41	11	3	2	4.27	PS					7.01	203.29
A0709	37.59	53	31	31.84	9.47	20.81	15.26	9.63	13.16	8.74	0.00	2.04	4.21	28.42	42.11	1	22	6	3	2	3.63	PS					37.59	1,068.31
BB0336	11.24	36	22U	14.41	5.00	16.17	10.50	0.94	1.00	0.00	0.00	0.00	0.00	11.50	16.50	1	40	0	3	2	2.80	PS					11.24	129.26
BB0337	1.15	61	31	0.00	0.00	61.71	43.33	8.27	10.00	0.00	0.00	0.00	0.00	53.33	53.33	6	13	0	3	2	3.10	PS					0.00	0.00
BB0339	10.12	55	26	8.00	2.50	27.67	19.00	8.43	12.50	13.98	7.84	4.14	11.50	31.50	45.50	1	22	25	3	2	3.51	PS					10.12	318.78
BB0343	4.29	55	26	10.87	5.00	8.20	7.50	9.63	17.50	14.11	13.61	6.98	20.00	25.00	50.00	5	8	54	3	2	3.32	PS					4.29	107.25
BB0425	0.28	48	22P	88.51	26.00	26.97	18.00	2.93	4.00	13.37	2.04	0.00	1.50	22.00	49.50	2	12	6	3	1	2.51	PS					0.28	6.16
BB0439	1.61	67	26	24.41	7.00	18.76	12.50	18.21	27.00	17.27	4.23	3.31	8.00	39.50	54.50	1	20	17	3	1	4.17	PS					1.61	63.60
BB0442	0.10	58	26	40.10	11.50	22.87	16.50	13.42	19.50	6.01	0.58	3.50	7.00	36.00	54.50	1	13	10	3	1	3.67	PS					0.10	3.60
HCC10	122.10	76	21	8.69	2.00	11.19	8.00	12.45	19.50	8.63	0.00	1.05	2.00	27.50	31.50	6	31	4	3	1	3.66	PS					122.10	3,357.75
HCC13	20.49	68	21	5.87	1.50	5.69	4.50	9.34	16.00	0.00	0.52	0.64	2.00	20.50	24.00	8	15	7	3	1	3.29	PS					20.49	420.05
pp247*	13.83	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					13.83	0.00
pp525*	0.52	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.52	0.00
pp530*	3.73	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.73	0.00
pp881*	4.71	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.71	0.00
	254.22																						**0.00**	**0.00**	**0.00**	**0.00**	**253.07**	**5,855.73**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
BB0336	2007	65056	IET Brigade Headquarters Building					4.09	47.04
BB0343	2007	65056	IET Brigade Headquarters Building					1.93	48.25
HCC10	2007	65056	IET Brigade Headquarters Building					0.16	4.40
HCC10	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					2.32	63.80
HCC13	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					6.94	142.27
pp247*	2007	64370	Trainee Barracks Complex 1, Borrow Area/Pit					12.47	0.00
			2007 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**27.91**	**305.76**
A0704	2008	65439	Road Improvements					2.64	30.36
A0708	2008	65439	Road Improvements					2.00	58.00
A0709	2008	65439	Road Improvements					1.81	51.44
BB0439	2008	65439	Road Improvements					0.65	25.68
BB0442	2008	65439	Road Improvements					0.10	3.60
HCC10	2008	65439	Road Improvements					8.45	232.38
HCC13	2008	65439	Road Improvements					1.41	28.91
			2008 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**17.06**	**430.37**
A0708	2009	n/a	Tank Trail Construction					0.46	13.34
A0709	2009	n/a	Tank Trail Construction					1.85	52.58
BB0336	2009	n/a	Tank Trail Construction					0.64	7.36
HCC10	2009	n/a	Tank Trail Construction					2.56	70.40
pp525*	2009	n/a	Tank Trail Construction					0.52	0.00
pp530*	2009	n/a	Tank Trail Construction					0.20	0.00
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**6.23**	**143.68**
			TOTAL REMOVALS	**0.00**	**204.64**	**0.00**	**0.00**	**51.20**	**879.81**

POST-PROJECT	**2007**		**2008**		**2009**	
	Acres	**BA**	**Acres**	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**225.16**	**5,549.97**	**205.78**	**5,072.04**	**199.55**	**4,928.36**
TOTAL	**225.16**	**5,549.97**	**205.78**	**5,072.04**	**199.55**	**4,928.36**
non-contiguous habitat	**-2.32**	**-47.56**	**0.00**	**0.00**	**0.00**	**0.00**
TOTAL	**222.84**	**5,502.41**	**205.78**	**5,072.04**	**199.55**	**4,928.36**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
22U = Slash Pine Underplanted
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

A portion of stand HCC13 will be non-contiguous as a result of project removals and cannot be counted towards the available foraging habitat for the paritiion.

Table F-75. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J03-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0311	10.36	88	25	7.04	1.50	9.82	7.00	11.57	19.50	19.29	4.83	1.12	5.50	26.50	33.50	7	15	22	3	1	0					10.36	274.54
J0313	14.52	88	66***	10.12	3.50	4.08	2.50	3.56	5.50	69.01	27.23	6.49	28.00	8.00	39.50	1	23	82	3	1	0					0.00	0.00
J0314	20.36	77	21	55.69	16.00	22.93	15.50	10.17	14.00	40.71	16.31	3.31	15.50	29.50	61.00	7	18	37	3	1	0					20.36	600.62
J0318	1.71	94	26	26.34	9.00	11.13	8.00	15.13	22.50	23.77	9.70	4.83	14.50	30.50	54.00	3	5	36	3	1	0	1.71	52.16				
J0323	70.05	77	26	35.38	9.50	16.78	12.00	19.41	29.00	9.55	6.60	2.40	8.00	41.00	58.50	1	28	20	3	1	1	70.05	2,872.05				
J0326	7.73	95	25	59.37	15.00	24.78	16.00	13.63	20.50	22.64	5.28	2.64	8.50	36.50	60.00	1	18	17	3	1	0	7.73	282.15				
J0409	12.18	89	21	27.29	7.37	15.75	11.05	19.41	30.53	23.17	8.89	4.50	12.11	41.58	61.05	1	18	28	3	1	0	12.18	506.44				
J0411	7.52	55	10	37.41	12.73	34.49	24.55	9.37	11.82	54.00	8.90	4.59	11.82	36.36	60.91	7	2	24	3	1	0			0.00	0.00		
J0413	7.16	89	21	22.26	7.14	24.79	20.00	12.79	17.14	0.00	0.00	0.00	0.00	37.14	44.29	1	43	0	3	1	0	7.16	265.92				
J0414	22.01	53	42**	5.27	2.00	10.84	7.50	9.45	13.00	10.28	5.97	1.50	7.00	20.50	29.50	1	31	27	3	1	0					0.00	0.00
J0416	2.39	57	26	6.57	2.00	12.14	8.50	11.84	18.00	14.69	5.47	1.79	6.50	26.50	35.00	1	34	23	3	1	0					2.39	63.34
pp210*	1.44	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.44	0.00
pp211*	4.72	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.72	0.00
pp212*	0.14	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.14	0.00
pp938*	20.91	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					20.91	0.00
T0302	15.41	52	25	59.93	14.00	8.76	7.00	8.50	13.50	12.76	5.40	4.07	10.00	20.50	44.50	1	24	35	3	1	0					15.41	315.91
T0307	0.09	83	21	23.21	7.00	15.84	12.00	18.09	26.50	1.27	0.59	0.26	1.00	38.50	46.50	1	35	2	3	1	0	0.09	3.47				
	218.70																					**98.92**	**3,982.19**	**0.00**	**0.00**	**75.73**	**1,254.41**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0323	2010	65557	Repair/ Upgrade Existing Training Area Roads	2.03	83.23				
T0302	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.90	18.45
T0307	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.08	3.08				
			TOTAL REMOVALS	**2.11**	**86.31**	**0.00**	**0.00**	**0.90**	**18.45**

POST-PROJECT **2010**

	Acres	BA
Suitable Habitat	**96.81**	**3,895.88**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**74.83**	**1,235.96**
TOTAL	**171.64**	**5,131.84**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
66*** = Oak-Hickory (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-76. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J03-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0311	10.36	88	25	7.04	1.50	9.82	7.00	11.57	19.50	19.29	4.83	1.12	5.50	26.50	33.50	7	15	22	3	1	3.29	PS					10.36	274.54
J0313	14.52	88	66***	10.12	3.50	4.08	2.50	3.56	5.50	69.01	27.23	6.49	28.00	8.00	39.50	1	23	82	3	1	3.10	PS					0.00	0.00
J0314	20.36	77	21	55.69	16.00	22.93	15.50	10.17	14.00	40.71	16.31	3.31	15.50	29.50	61.00	7	18	37	3	1	3.10	PS					20.36	600.62
J0318	1.71	94	26	26.34	9.00	11.13	8.00	15.13	22.50	23.77	9.70	4.83	14.50	30.50	54.00	3	5	36	3	1	3.85	PS					1.71	52.16
J0323	70.05	77	26	35.38	9.50	16.78	12.00	19.41	29.00	9.55	6.60	2.40	8.00	41.00	58.50	1	28	20	3	1	4.29	PS			70.05	2,872.05		
J0326	7.73	95	25	59.37	15.00	24.78	16.00	13.63	20.50	22.64	5.28	2.64	8.50	36.50	60.00	1	18	17	3	1	3.95	PS					7.73	282.15
J0409	12.18	89	21	27.29	7.37	15.75	11.05	19.41	30.53	23.17	8.89	4.50	12.11	41.58	61.05	1	18	28	3	1	4.20	PS			12.18	506.44		
J0411	7.52	55	10	37.41	12.73	34.49	24.55	9.37	11.82	54.00	8.90	4.59	11.82	36.36	60.91	7	2	24	3	1	2.95	PS					0.00	0.00
J0413	7.16	89	21	22.26	7.14	24.79	20.00	12.79	17.14	0.00	0.00	0.00	0.00	37.14	44.29	1	43	0	3	1	4.03	PS					7.16	265.92
J0414	22.01	53	42**	5.27	2.00	10.84	7.50	9.45	13.00	10.28	5.97	1.50	7.00	20.50	29.50	1	31	27	3	1	3.56	PS					0.00	0.00
J0416	2.39	57	26	6.57	2.00	12.14	8.50	11.84	18.00	14.69	5.47	1.79	6.50	26.50	35.00	1	34	23	3	1	3.70	PS					2.39	63.34
pp210*	1.44	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.44	0.00
pp211*	4.72	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.72	0.00
pp212*	0.14	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.14	0.00
pp938*	20.91	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					20.91	0.00
T0302	15.41	52	25	59.93	14.00	8.76	7.00	8.50	13.50	12.76	5.40	4.07	10.00	20.50	44.50	1	24	35	3	1	3.23	PS					15.41	315.91
T0307	0.09	83	21	23.21	7.00	15.84	12.00	18.09	26.50	1.27	0.59	0.26	1.00	38.50	46.50	1	35	2	3	1	4.37	PS					0.09	3.47
	218.70																						**0.00**	**0.00**	**82.23**	**3,378.49**	**92.42**	**1,858.11**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0323	2010	65557	Repair/ Upgrade Existing Training Area Roads			2.03	83.23		
T0302	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.90	18.45
T0307	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.08	3.08
			TOTAL REMOVALS	**0.00**	**0.00**	**2.03**	**83.23**	**0.98**	**21.53**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**80.20**	**3,295.26**
Future Potential Habitat	**91.44**	**1,836.58**
TOTAL	**171.64**	**5,131.84**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
66*** = Oak-Hickory (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-77. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J04-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0411	7.63	55	10	37.41	12.73	34.49	24.55	9.37	11.82	54.00	8.90	4.59	11.82	36.36	60.91	7	2	24	3	1	0			7.63	273.43		
J0416	2.03	57	26	6.57	2.00	12.14	8.50	11.84	18.00	14.69	5.47	1.79	6.50	26.50	35.00	1	34	23	3	1	0					2.03	53.80
J0514	0.64	74	26	5.43	1.50	8.69	6.50	12.47	18.00	17.54	5.79	2.07	7.00	24.50	33.00	1	7	27	3	1	0					0.64	15.68
J0524	53.36	60	31	7.78	1.50	13.51	10.00	17.17	24.00	4.97	0.97	1.59	2.50	34.00	38.00	1	47	8	3	1	0	53.36	1,814.24				
J0525	52.86	111	21	46.24	10.53	2.43	1.58	7.99	15.26	7.56	5.20	1.36	5.79	16.84	33.16	1	24	39	3	1	0					52.86	890.16
J0526	20.80	103	26	30.12	8.00	11.81	8.00	10.35	16.50	3.19	4.42	0.00	3.00	24.50	35.50	1	32	17	3	1	0					20.80	509.60
pp760*	5.48	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.48	0.00
pp939*	2.23	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.23	0.00
T0304	3.78	66	31	36.84	9.00	14.29	10.50	18.67	31.50	4.63	0.72	0.35	2.00	42.00	53.00	4	27	3	3	1	1			3.78	158.76		
T0402	11.21	65	31	60.36	18.50	41.05	29.00	10.30	13.50	14.95	0.00	0.16	0.50	42.50	61.50	1	30	0	3	1	1	11.21	476.43				
T0403	14.33	37	31	54.72	14.50	12.91	9.00	7.14	9.50	5.48	8.86	3.24	12.00	18.50	45.00	4	16	38	3	1	0					14.33	265.11
T0404	18.48	34	26P	6.00	2.50	21.55	17.00	20.37	25.50	1.08	0.00	0.00	0.00	42.50	45.00	1	32	0	3	1	1	18.48	785.40				
T0405	2.85	40	31	43.85	13.50	36.59	27.00	8.19	12.00	2.40	2.27	1.87	4.50	39.00	57.00	1	29	8	3	1	0	2.85	111.15				
	195.68																					**85.90**	**3,187.22**	**11.41**	**432.19**	**98.37**	**1,734.35**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0524	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.46	49.64				
J0525	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.96	33.01
T0304	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.11	4.62		
T0403	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.70	31.45
T0404	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.44	18.70				
T0405	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.16	6.24				
			TOTAL REMOVALS	**2.06**	**74.58**	**0.11**	**4.62**	**3.66**	**64.46**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**83.84**	**3,112.64**
Potentially Suitable Habitat	**11.30**	**427.57**
Future Potential Habitat	**94.71**	**1,669.89**
TOTAL	**189.85**	**5,210.10**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-78. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J04-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0411	7.63	55	10	37.41	12.73	34.49	24.55	9.37	11.82	54.00	8.90	4.59	11.82	36.36	60.91	7	2	24	3	1	2.95	PS					7.63	273.43
J0416	2.03	57	26	6.57	2.00	12.14	8.50	11.84	18.00	14.69	5.47	1.79	6.50	26.50	35.00	1	34	23	3	1	3.70	PS					2.03	53.80
J0514	0.64	74	26	5.43	1.50	8.69	6.50	12.47	18.00	17.54	5.79	2.07	7.00	24.50	33.00	1	7	27	3	1	3.53	PS					0.64	15.68
J0524	53.36	60	31	7.78	1.50	13.51	10.00	17.17	24.00	4.97	0.97	1.59	2.50	34.00	38.00	1	47	8	3	1	4.33	PS					53.36	1,814.24
J0525	52.86	111	21	46.24	10.53	2.43	1.58	7.99	15.26	7.56	5.20	1.36	5.79	16.84	33.16	1	24	39	3	1	3.46	PS					52.86	890.16
J0526	20.80	103	26	30.12	8.00	11.81	8.00	10.35	16.50	3.19	4.42	0.00	3.00	24.50	35.50	1	32	17	3	1	3.81	PS					20.80	509.60
pp760*	5.48	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					5.48	0.00
pp939*	2.23	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.23	0.00
T0304	3.78	66	31	36.84	9.00	14.29	10.50	18.67	31.50	4.63	0.72	0.35	2.00	42.00	53.00	4	27	3	3	1	4.18	PS			3.78	158.76		
T0402	11.21	65	31	60.36	18.50	41.05	29.00	10.30	13.50	14.95	0.00	0.16	0.50	42.50	61.50	1	30	0	3	1	3.75	PS					11.21	476.43
T0403	14.33	37	31	54.72	14.50	12.91	9.00	7.14	9.50	5.48	8.86	3.24	12.00	18.50	45.00	4	16	38	3	1	2.55	PS					14.33	265.11
T0404	18.48	34	26P	6.00	2.50	21.55	17.00	20.37	25.50	1.08	0.00	0.00	0.00	42.50	45.00	1	32	0	3	1	4.02	PS					18.48	785.40
T0405	2.85	40	31	43.85	13.50	36.59	27.00	8.19	12.00	2.40	2.27	1.87	4.50	39.00	57.00	1	29	8	3	1	3.19	PS					2.85	111.15
	195.68																						**0.00**	**0.00**	**3.78**	**158.76**	**191.90**	**5,195.00**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0524	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.46	49.64
J0525	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.96	33.01
T0304	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.11	4.62		
T0403	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.70	31.45
T0404	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.44	18.70
T0405	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.16	6.24
			TOTAL REMOVALS	**0.00**	**0.00**	**0.11**	**4.62**	**5.72**	**139.04**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**3.67**	**154.14**
Future Potential Habitat	**186.18**	**5,055.96**
TOTAL	**189.85**	**5,210.10**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-79. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J05-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0514	0.48	74	26	5.43	1.50	8.69	6.50	12.47	18.00	17.54	5.79	2.07	7.00	24.50	33.00	1	7	27	3	1	0					0.00	0.00
J0522	8.89	75	21	2.28	1.00	9.19	7.50	13.70	20.50	21.10	6.64	1.89	7.50	28.00	36.50	1	12	27	3	1	0					8.89	248.92
J0526	59.74	103	26	30.12	8.00	11.81	8.00	10.35	16.50	3.19	4.42	0.00	3.00	24.50	35.50	1	32	17	3	1	0					59.74	1,463.63
J0629	1.77	88	31	1.36	0.50	3.56	2.50	24.21	39.00	4.58	0.53	1.93	4.00	41.50	46.00	2	20	8	3	1	1	0.00	0.00				
J0632	19.78	75	10	75.86	19.50	14.90	10.50	6.41	8.00	35.74	13.81	4.55	15.50	18.50	53.50	5	11	46	3	1	0					19.78	365.93
J0637	41.04	84	31	18.20	5.79	11.66	8.42	15.52	22.63	5.19	2.23	1.29	3.68	31.05	40.53	8	11	11	3	1	0			41.04	1,274.29		
J0638	20.76	92	53**	9.98	3.50	6.11	4.50	5.80	8.50	32.61	20.33	9.17	28.50	13.00	45.00	4	11	71	3	1	0					0.00	0.00
J0639	0.59	92	26	23.19	7.00	7.79	5.50	13.20	20.00	12.28	6.69	0.78	5.50	25.50	38.00	1	25	26	3	1	0					0.00	0.00
J0640	2.60	66	21	18.79	5.50	17.63	13.00	13.75	22.00	5.60	3.35	3.15	7.00	35.00	47.50	2	24	17	3	1	0	0.00	0.00				
pp614*	9.62	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					9.62	0.00
pp939*	10.02	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					10.02	0.00
T0404	1.62	34	26P	6.00	2.50	21.55	17.00	20.37	25.50	1.08	0.00	0.00	0.00	42.50	45.00	1	32	0	3	1	1	1.62	68.85				
T0405	31.91	40	31	43.85	13.50	36.59	27.00	8.19	12.00	2.40	2.27	1.87	4.50	39.00	57.00	1	29	8	3	1	0	31.91	1,244.49				
T0406	49.23	51	26	23.02	6.50	20.08	14.50	16.88	22.00	4.77	2.00	1.31	3.50	36.50	46.50	1	30	8	3	1	0	49.23	1,796.90				
T0414	4.91	59	21	75.02	23.00	54.80	36.00	6.77	8.50	15.43	2.77	0.62	3.00	44.50	70.50	1	14	5	3	1	0			4.91	218.50		
	262.85																					**82.76**	**3,110.24**	**45.95**	**1,492.79**	**108.05**	**2,078.48**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0526	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.38	33.81
J0637	2010	65557	Repair/ Upgrade Existing Training Area Roads			1.26	39.12		
T0405	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.24	48.36				
T0406	2010	65557	Repair/ Upgrade Existing Training Area Roads	2.16	78.84				
			TOTAL REMOVALS	**3.40**	**127.20**	**1.26**	**39.12**	**1.38**	**33.81**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**79.36**	**2,983.04**
Potentially Suitable Habitat	**44.69**	**1,453.67**
Future Potential Habitat	**106.67**	**2,044.67**
TOTAL	**230.72**	**6,481.38**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
276P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
53** = White Oak-Red Oak-Hickory (managed for hardwoods)

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-80. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J05-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0514	0.48	74	26	5.43	1.50	8.69	6.50	12.47	18.00	17.54	5.79	2.07	7.00	24.50	33.00	1	7	27	3	1	3.53	PS					0.00	0.00
J0522	8.89	75	21	2.28	1.00	9.19	7.50	13.70	20.50	21.10	6.64	1.89	7.50	28.00	36.50	1	12	27	3	1	3.98	PS					8.89	248.92
J0526	59.74	103	26	30.12	8.00	11.81	8.00	10.35	16.50	3.19	4.42	0.00	3.00	24.50	35.50	1	32	17	3	1	3.81	PS					59.74	1,463.63
J0629	1.77	88	31	1.36	0.50	3.56	2.50	24.21	39.00	4.58	0.53	1.93	4.00	41.50	46.00	2	20	8	3	1	4.33	PS			0.00	0.00		
J0632	19.78	75	10	75.86	19.50	14.90	10.50	6.41	8.00	35.74	13.81	4.55	15.50	18.50	53.50	5	11	46	3	1	2.82	PS					19.78	365.93
J0637	41.04	84	31	18.20	5.79	11.66	8.42	15.52	22.63	5.19	2.23	1.29	3.68	31.05	40.53	8	11	11	3	1	3.63	PS					41.04	1,274.29
J0638	20.76	92	53**	9.98	3.50	6.11	4.50	5.80	8.50	32.61	20.33	9.17	28.50	13.00	45.00	4	11	71	3	1	3.04	PS					0.00	0.00
J0639	0.59	92	26	23.19	7.00	7.79	5.50	13.20	20.00	12.28	6.69	0.78	5.50	25.50	38.00	1	25	26	3	1	4.01	PS					0.00	0.00
J0640	2.60	66	21	18.79	5.50	17.63	13.00	13.75	22.00	5.60	3.35	3.15	7.00	35.00	47.50	2	24	17	3	1	4.13	PS					0.00	0.00
pp614*	9.62	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					9.62	0.00
pp939*	10.02	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					10.02	0.00
T0404	1.62	34	26P	6.00	2.50	21.55	17.00	20.37	25.50	1.08	0.00	0.00	0.00	42.50	45.00	1	32	0	3	1	4.02	PS					1.62	68.85
T0405	31.91	40	31	43.85	13.50	36.59	27.00	8.19	12.00	2.40	2.27	1.87	4.50	39.00	57.00	1	29	8	3	1	3.19	PS					31.91	1,244.49
T0406	49.23	51	26	23.02	6.50	20.08	14.50	16.88	22.00	4.77	2.00	1.31	3.50	36.50	46.50	1	30	8	3	1	4.08	PS					49.23	1,796.90
T0414	4.91	59	21	75.02	23.00	54.80	36.00	6.77	8.50	15.43	2.77	0.62	3.00	44.50	70.50	1	14	5	3	1	3.09	PS					4.91	218.50
	262.85																						**0.00**	**0.00**	**0.00**	**0.00**	**236.76**	**6,681.51**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0526	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.38	33.81
J0637	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.26	39.12
T0405	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.24	48.36
T0406	2010	65557	Repair/ Upgrade Existing Training Area Roads					2.16	78.84
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**6.04**	**200.13**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**230.72**	**6,481.38**
TOTAL	**230.72**	**6,481.38**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
276P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
53** = White Oak-Red Oak-Hickory (managed for hardwoods)

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-81. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J06-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1202	1.33	60	31	33.98	9.00	29.77	20.50	15.84	25.00	3.17	2.49	0.91	3.50	45.50	58.00	2	31	7	3	1	1	1.33	60.52				
D1318	2.49	60	31	88.06	24.74	22.34	14.74	3.06	3.68	0.00	0.00	0.21	0.53	18.42	43.68	2	41	1	3	2	0					2.49	45.87
J0611	0.29	73	31	6.19	2.00	12.18	8.50	14.81	22.50	4.02	1.35	0.20	1.50	31.00	34.50	2	27	5	3	1	0	0.29	8.99				
J0618	0.50	73	13	1.20	0.56	6.71	5.56	12.72	18.33	2.08	1.40	3.88	7.78	23.89	32.22	8	26	21	3	1	0					0.50	11.95
J0619	11.54	31	21P	54.50	16.00	21.55	14.50	2.23	3.00	1.43	0.00	0.46	0.50	17.50	34.00	1	31	2	3	1	0					11.54	201.95
J0620	10.99	56	31	11.89	4.50	8.02	6.00	11.57	16.00	4.32	2.67	1.54	4.00	22.00	30.50	2	22	18	3	1	0					10.99	241.78
J0623	0.14	90	13	3.28	1.00	4.98	3.50	10.21	20.00	26.09	12.08	6.81	18.00	24.50	51.00	5	20	55	3	1	0					0.00	0.00
J0627	26.84	86	26	0.00	0.00	10.09	7.50	15.93	24.50	0.00	2.98	1.64	5.00	32.00	37.00	2	25	15	3	1	0	26.84	858.88				
J0628	61.16	81	21	14.23	4.00	7.96	6.50	21.40	31.00	1.98	2.19	1.00	3.00	37.50	44.50	2	28	10	3	1	0	61.16	2,293.50				
J0629	16.84	88	31	1.36	0.50	3.56	2.50	24.21	39.00	4.58	0.53	1.93	4.00	41.50	46.00	2	20	8	3	1	1	0.00	0.00				
J0630	12.55	66	42**	3.39	1.00	2.07	1.50	14.75	29.00	27.89	9.27	4.90	15.00	30.50	46.50	5	25	46	3	1	0					0.00	0.00
J0633	14.33	73	21	7.97	2.50	19.77	14.50	11.68	16.50	3.80	2.25	0.31	2.00	31.00	35.50	2	20	8	3	1	0	14.33	444.23				
J0634	11.01	68	66***	20.41	5.50	7.26	5.50	6.67	9.00	35.01	20.48	7.40	23.50	14.50	43.50	7	22	67	3	1	0					0.00	0.00
J0635	0.27	58	31	12.83	2.50	9.52	7.00	17.57	25.00	1.33	0.59	0.00	0.50	32.00	35.00	3	30	2	3	1	0	0.27	8.64				
pp513*	31.59	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					31.59	0.00
	201.87																					**104.22**	**3,674.76**	**0.00**	**0.00**	**57.10**	**501.55**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1202	2010	65554	Construct Installation-Wide Roads, Paved	0.57	25.94				
D1318	2010	65554	Construct Installation-Wide Roads, Paved					1.69	31.13
J0628	2010	65554	Construct Installation-Wide Roads, Paved	1.04	39.00				
J0635	2010	65554	Construct Installation-Wide Roads, Paved	0.08	2.56				
			TOTAL REMOVALS	**1.69**	**67.50**	**0.00**	**0.00**	**1.69**	**31.13**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**102.53**	**3,607.26**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**55.41**	**470.42**
TOTAL	**157.95**	**4,077.68**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
66*** = Oak-Hickory (managed for hardwoods)

Stand Score
0=Unsuitable
1=Suitable

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-82. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J06-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1202	1.33	60	31	33.98	9.00	29.77	20.50	15.84	25.00	3.17	2.49	0.91	3.50	45.50	58.00	2	31	7	3	1	4.24	PS					1.33	60.52
D1318	2.49	60	31	88.06	24.74	22.34	14.74	3.06	3.68	0.00	0.00	0.21	0.53	18.42	43.68	2	41	1	3	2	3.19	PS					2.49	45.87
J0611	0.29	73	31	6.19	2.00	12.18	8.50	14.81	22.50	4.02	1.35	0.20	1.50	31.00	34.50	2	27	5	3	1	4.08	PS					0.29	8.99
J0618	0.50	73	13	1.20	0.56	6.71	5.56	12.72	18.33	2.08	1.40	3.88	7.78	23.89	32.22	8	26	21	3	1	3.39	PS					0.50	11.95
J0619	11.54	31	21P	54.50	16.00	21.55	14.50	2.23	3.00	1.43	0.00	0.46	0.50	17.50	34.00	1	31	2	3	1	2.55	PS					11.54	201.95
J0620	10.99	56	31	11.89	4.50	8.02	6.00	11.57	16.00	4.32	2.67	1.54	4.00	22.00	30.50	2	22	18	3	1	3.60	PS					10.99	241.78
J0623	0.14	90	13	3.28	1.00	4.98	3.50	10.21	20.00	26.09	12.08	6.81	18.00	24.50	51.00	5	20	55	3	1	2.31	PS					0.00	0.00
J0627	26.84	86	26	0.00	0.00	10.09	7.50	15.93	24.50	0.00	2.98	1.64	5.00	32.00	37.00	2	25	15	3	1	4.08	PS					26.84	858.88
J0628	61.16	81	21	14.23	4.00	7.96	6.50	21.40	31.00	1.98	2.19	1.00	3.00	37.50	44.50	2	28	10	3	1	4.28	PS					61.16	2,293.50
J0629	16.84	88	31	1.36	0.50	3.56	2.50	24.21	39.00	4.58	0.53	1.93	4.00	41.50	46.00	2	20	8	3	1	4.33	PS			0.00	0.00		
J0630	12.55	66	42**	3.39	1.00	2.07	1.50	14.75	29.00	27.89	9.27	4.90	15.00	30.50	46.50	5	25	46	3	1	3.85	PS					0.00	0.00
J0633	14.33	73	21	7.97	2.50	19.77	14.50	11.68	16.50	3.80	2.25	0.31	2.00	31.00	35.50	2	20	8	3	1	3.69	PS					14.33	444.23
J0634	11.01	68	66***	20.41	5.50	7.26	5.50	6.67	9.00	35.01	20.48	7.40	23.50	14.50	43.50	7	22	67	3	1	2.90	PS					0.00	0.00
J0635	0.27	58	31	12.83	2.50	9.52	7.00	17.57	25.00	1.33	0.59	0.00	0.50	32.00	35.00	3	30	2	3	1	3.94	PS					0.27	8.64
pp513*	31.59	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					31.59	0.00
	201.87																						**0.00**	**0.00**	**0.00**	**0.00**	**161.33**	**4,176.31**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1202	2010	65554	Construct Installation-Wide Roads, Paved					0.57	25.94
D1318	2010	65554	Construct Installation-Wide Roads, Paved					1.69	31.13
J0628	2010	65554	Construct Installation-Wide Roads, Paved					1.04	39.00
J0635	2010	65554	Construct Installation-Wide Roads, Paved					0.08	2.56
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**3.38**	**98.63**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**157.95**	**4,077.68**
TOTAL	**157.95**	**4,077.68**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
66*** = Oak-Hickory (managed for hardwoods)

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-83. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J06-03**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1202	29.59	60	31	33.98	9.00	29.77	20.50	15.84	25.00	3.17	2.49	0.91	3.50	45.50	58.00	2	31	7	3	1	1	29.59	1,346.35				
D1205	0.02	74	26	46.21	14.00	19.05	12.50	11.62	17.00	17.21	5.91	2.00	7.50	29.50	51.00	1	20	21	3	1	0					0.02	0.59
D1217	33.11	46	31	20.19	5.00	24.23	17.50	10.89	16.50	14.09	1.44	0.74	2.00	34.00	41.00	2	36	6	3	1	0	33.11	1,125.74				
D1218	2.94	46	31	27.56	9.00	37.12	25.50	8.42	12.00	21.03	1.22	1.28	3.00	37.50	49.50	1	26	5	3	1	0	2.94	110.25				
D1225	11.68	45	10U	3.54	1.00	24.76	18.50	14.50	20.00	9.09	3.97	0.33	3.00	38.50	42.50	1	33	10	3	1	0	11.68	449.68				
D1227	0.55	50	21	19.17	4.29	11.97	10.00	27.07	37.14	3.23	6.48	2.09	7.14	47.14	58.57	2	20	18	3	1	1	0.55	25.93				
D1242	0.81	45	31	5.85	2.00	18.42	13.50	11.02	17.00	11.57	4.52	3.81	8.00	30.50	40.50	1	22	22	3	1	0	0.81	24.71				
J0633	32.35	73	21	7.97	2.50	19.77	14.50	11.68	16.50	3.80	2.25	0.31	2.00	31.00	35.50	2	20	8	3	1	0	32.35	1,002.85				
J0634	6.21	68	66***	20.41	5.50	7.26	5.50	6.67	9.00	35.01	20.48	7.40	23.50	14.50	43.50	7	22	67	3	1	0					0.00	0.00
J0635	13.27	58	31	12.83	2.50	9.52	7.00	17.57	25.00	1.33	0.59	0.00	0.50	32.00	35.00	3	30	2	3	1	0	13.27	424.64				
J0637	0.25	84	31	18.20	5.79	11.66	8.42	15.52	22.63	5.19	2.23	1.29	3.68	31.05	40.53	8	11	11	3	1	0			0.25	7.76		
J0638	1.47	92	53**	9.98	3.50	6.11	4.50	5.80	8.50	32.61	20.33	9.17	28.50	13.00	45.00	4	11	71	3	1	0					0.00	0.00
J0639	37.18	92	26	23.19	7.00	7.79	5.50	13.20	20.00	12.28	6.69	0.78	5.50	25.50	38.00	1	25	26	3	1	0					37.18	948.09
J0640	52.52	66	21	18.79	5.50	17.63	13.00	13.75	22.00	5.60	3.35	3.15	7.00	35.00	47.50	2	24	17	3	1	0	52.52	1,838.20				
T0406	28.26	51	26	23.02	6.50	20.08	14.50	16.88	22.00	4.77	2.00	1.31	3.50	36.50	46.50	1	30	8	3	1	0	28.26	1,031.49				
T0407	36.45	69	21	10.40	3.00	7.19	5.50	16.36	24.00	17.69	9.18	1.51	9.00	29.50	41.50	1	28	31	3	1	0					36.45	1,075.28
T0416	6.87	54	25	10.77	3.00	22.08	15.00	14.46	21.50	8.25	4.54	3.25	7.50	36.50	47.00	1	28	18	3	1	0	6.87	250.76				
	293.53																					**211.95**	**7,630.60**	**0.25**	**7.76**	**73.65**	**2,023.96**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1202	2010	65554	Construct Installation-Wide Roads	3.08	140.14				
D1217	2010	65554	Construct Installation-Wide Roads	0.44	14.96				
D1225	2010	65554	Construct Installation-Wide Roads	1.69	65.07				
D1242	2010	65554	Construct Installation-Wide Roads	0.13	3.97				
J0635	2010	65554	Construct Installation-Wide Roads	1.79	57.28				
J0640	2010	65554	Construct Installation-Wide Roads	0.76	26.60				
T0406	2010	65554	Construct Installation-Wide Roads	3.15	45.68				
T0407	2010	65554	Construct Installation-Wide Roads					3.30	97.35
T0416	2010	65554	Construct Installation-Wide Roads	0.76	27.74				
			TOTAL REMOVALS	**11.80**	**381.44**	**0.00**	**0.00**	**3.30**	**97.35**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**200.15**	**7,249.16**
Potentially Suitable Habitat	**0.25**	**7.76**
Future Potential Habitat	**70.35**	**1,926.61**
SUB-TOTAL	**270.75**	**9,183.53**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
10U = Yellow Pine-Upland Hardwood Underplanted
21 = Longleaf Pine
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
53** = White Oak-Red Oak-Hickory (managed for hardwoods)
66*** = Oak-Hickory (managed for hardwoods)

Stand Score
0=Unsuitable
1=Suitable

Table F-84. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **J06-03**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
D1202	29.59	60	31	33.98	9.00	29.77	20.50	15.84	25.00	3.17	2.49	0.91	3.50	45.50	58.00	2	31	7	3	1	4.24	PS					29.59	1,346.35
D1205	0.02	74	26	46.21	14.00	19.05	12.50	11.62	17.00	17.21	5.91	2.00	7.50	29.50	51.00	1	20	21	3	1	3.61	PS					0.02	0.59
D1217	33.11	46	31	20.19	5.00	24.23	17.50	10.89	16.50	14.09	1.44	0.74	2.00	34.00	41.00	2	36	6	3	1	3.65	PS					33.11	1,125.74
D1218	2.94	46	31	27.56	9.00	37.12	25.50	8.42	12.00	21.03	1.22	1.28	3.00	37.50	49.50	1	26	5	3	1	3.24	PS					2.94	110.25
D1225	11.68	45	10U	3.54	1.00	24.76	18.50	14.50	20.00	9.09	3.97	0.33	3.00	38.50	42.50	1	33	10	3	1	3.95	PS					11.68	449.68
D1227	0.55	50	21	19.17	4.29	11.97	10.00	27.07	37.14	3.23	6.48	2.09	7.14	47.14	58.57	2	20	18	3	1	4.19	PS					0.55	25.93
D1242	0.81	45	31	5.85	2.00	18.42	13.50	11.02	17.00	11.57	4.52	3.81	8.00	30.50	40.50	1	22	22	3	1	3.51	PS					0.81	24.71
J0633	32.35	73	21	7.97	2.50	19.77	14.50	11.68	16.50	3.80	2.25	0.31	2.00	31.00	35.50	2	20	8	3	1	3.69	PS					32.35	1,002.85
J0634	6.21	68	66***	20.41	5.50	7.26	5.50	6.67	9.00	35.01	20.48	7.40	23.50	14.50	43.50	7	22	67	3	1	2.90	PS					0.00	0.00
J0635	13.27	58	31	12.83	2.50	9.52	7.00	17.57	25.00	1.33	0.59	0.00	0.50	32.00	35.00	3	30	2	3	1	3.94	PS					13.27	424.64
J0637	0.25	84	31	18.20	5.79	11.66	8.42	15.52	22.63	5.19	2.23	1.29	3.68	31.05	40.53	8	11	11	3	1	3.63	PS					0.25	7.76
J0638	1.47	92	53**	9.98	3.50	6.11	4.50	5.80	8.50	32.61	20.33	9.17	28.50	13.00	45.00	4	11	71	3	1	3.04	PS					0.00	0.00
J0639	37.18	92	26	23.19	7.00	7.79	5.50	13.20	20.00	12.28	6.69	0.78	5.50	25.50	38.00	1	25	26	3	1	4.01	PS					37.18	948.09
J0640	52.52	66	21	18.79	5.50	17.63	13.00	13.75	22.00	5.60	3.35	3.15	7.00	35.00	47.50	2	24	17	3	1	4.13	PS					52.52	1,838.20
T0406	28.26	51	26	23.02	6.50	20.08	14.50	16.88	22.00	4.77	2.00	1.31	3.50	36.50	46.50	1	30	8	3	1	4.08	PS					28.26	1,031.49
T0407	36.45	69	21	10.40	3.00	7.19	5.50	16.36	24.00	17.69	9.18	1.51	9.00	29.50	41.50	1	28	31	3	1	4.08	PS					36.45	1,075.28
T0416	6.87	54	25	10.77	3.00	22.08	15.00	14.46	21.50	8.25	4.54	3.25	7.50	36.50	47.00	1	28	18	3	1	3.99	PS					6.87	250.76
	293.53																						**0.00**	**0.00**	**0.00**	**0.00**	**285.85**	**9,662.32**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
D1202	2010	65554	Construct Installation-Wide Roads					3.08	140.14
D1217	2010	65554	Construct Installation-Wide Roads					0.44	14.96
D1225	2010	65554	Construct Installation-Wide Roads					1.69	65.07
D1242	2010	65554	Construct Installation-Wide Roads					0.13	3.97
J0635	2010	65554	Construct Installation-Wide Roads					1.79	57.28
J0640	2010	65554	Construct Installation-Wide Roads					0.76	26.60
T0406	2010	65554	Construct Installation-Wide Roads					3.15	45.68
T0407	2010	65554	Construct Installation-Wide Roads					3.30	97.35
T0416	2010	65554	Construct Installation-Wide Roads					0.76	27.74
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**15.10**	**478.79**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**270.75**	**9,183.53**
SUB-TOTAL	**270.75**	**9,183.53**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable

Forest Type:
10U = Yellow Pine-Upland Hardwood Underplanted
21 = Longleaf Pine
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
53** = White Oak-Red Oak-Hickory (managed for hardwoods)
66*** = Oak-Hickory (managed for hardwoods)

Table F-85. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K02-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0918	6.00	64	21	27.41	7.65	14.93	10.59	12.05	18.24	16.03	3.96	4.89	9.41	28.82	45.88	6	25	25	3	1	0					6.00	172.92
O0928	7.21	62	31	81.35	24.74	31.37	21.58	6.96	10.00	22.27	5.83	3.93	10.53	31.58	66.84	9	7	20	3	1	0			7.21	227.69		
O0929	28.72	62	21	16.06	4.50	10.84	8.00	11.70	17.50	4.32	1.65	0.00	1.00	25.50	31.00	2	29	7	3	1	0					28.72	732.36
O0931	46.15	97	26	37.01	11.50	25.65	17.50	6.14	8.00	18.33	5.62	2.00	6.50	25.50	43.50	2	47	19	3	1	0					46.15	1,176.83
O0935	81.17	72	21	55.34	15.50	18.58	14.00	11.57	15.00	10.60	5.16	2.81	8.00	29.00	52.50	1	25	21	3	1	0					81.17	2,353.93
O0936	33.67	102	22P	74.41	22.38	16.57	10.95	2.35	3.33	4.52	0.00	0.00	0.00	14.29	36.67	2	19	0	3	1	0					33.67	481.14
O0940	1.68	57	22P	71.70	23.33	20.22	13.33	5.76	6.67	43.63	0.00	0.00	0.00	20.00	43.33	4	30	0	3	1	0					1.68	33.60
O0942	52.11	89	11	22.89	7.50	10.68	7.50	6.63	10.00	16.34	4.77	4.78	11.00	17.50	36.00	7	15	36	3	1	0					52.11	911.93
O0944	4.43	39	22P	225.43	55.00	21.01	13.33	2.36	3.33	23.97	0.00	0.00	0.00	16.67	71.67	2	18	0	3	1	0					4.43	73.85
O0950	2.82	79	31	61.89	16.50	14.34	11.00	12.41	20.00	18.86	7.18	2.86	9.00	31.00	56.50	7	29	27	3	1	0			2.82	87.42		
	263.96																					**0.00**	**0.00**	**10.03**	**315.11**	**253.93**	**5,936.56**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0918	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					1.24	35.74
O0918	2009	65383	Beaten Area					0.05	1.44
O0929	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					8.09	206.30
O0929	2009	65383	Beaten Area					0.16	4.08
O0931	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					42.92	1,094.46
O0931	2009	65383	Beaten Area					1.09	27.80
O0935	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					9.48	274.92
O0935	2009	65383	Beaten Area					42.70	1,238.30
O0936	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					33.65	480.86
O0940	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					1.68	33.60
O0942	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					41.15	720.13
O0942	2009	65383	Beaten Area					2.28	39.90
O0944	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					4.43	73.85
O0950	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)			2.78	86.18		
			TOTAL REMOVALS	**0.00**	**0.00**	**2.78**	**86.18**	**188.92**	**4,231.38**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**7.25**	**228.93**
Future Potential Habitat	**65.01**	**1,705.18**
SUB-TOTAL	**72.26**	**1,934.11**
non-contiguous habitat	**-8.68**	**-151.90**
TOTAL	**63.58**	**1,782.21**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Stand O0942 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table F-86. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K02-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0918	6.00	64	21	27.41	7.65	14.93	10.59	12.05	18.24	16.03	3.96	4.89	9.41	28.82	45.88	6	25	25	3	1	3.53	PS					6.00	172.92
O0928	7.21	62	31	81.35	24.74	31.37	21.58	6.96	10.00	22.27	5.83	3.93	10.53	31.58	66.84	9	7	20	3	1	2.43	PS					7.21	227.69
O0929	28.72	62	21	16.06	4.50	10.84	8.00	11.70	17.50	4.32	1.65	0.00	1.00	25.50	31.00	2	29	7	3	1	3.74	PS					28.72	732.36
O0931	46.15	97	26	37.01	11.50	25.65	17.50	6.14	8.00	18.33	5.62	2.00	6.50	25.50	43.50	2	47	19	3	1	3.44	PS					46.15	1,176.83
O0935	81.17	72	21	55.34	15.50	18.58	14.00	11.57	15.00	10.60	5.16	2.81	8.00	29.00	52.50	1	25	21	3	1	3.71	PS					81.17	2,353.93
O0936	33.67	102	22P	74.41	22.38	16.57	10.95	2.35	3.33	4.52	0.00	0.00	0.00	14.29	36.67	2	19	0	3	1	2.76	PS					33.67	481.14
O0940	1.68	57	22P	71.70	23.33	20.22	13.33	5.76	6.67	43.63	0.00	0.00	0.00	20.00	43.33	4	30	0	3	1	2.56	NH					1.68	33.60
O0942	52.11	89	11	22.89	7.50	10.68	7.50	6.63	10.00	16.34	4.77	4.78	11.00	17.50	36.00	7	15	36	3	1	2.94	PS					52.11	911.93
O0944	4.43	39	22P	225.43	55.00	21.01	13.33	2.36	3.33	23.97	0.00	0.00	0.00	16.67	71.67	2	18	0	3	1	2.29	PS					4.43	73.85
O0950	2.82	79	31	61.89	16.50	14.34	11.00	12.41	20.00	18.86	7.18	2.86	9.00	31.00	56.50	7	29	27	3	1	3.48	PS					2.82	87.42
	263.96																						**0.00**	**0.00**	**0.00**	**0.00**	**263.96**	**6,251.67**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0918	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					1.24	35.74
O0928	2009	65383	Beaten Area					0.05	1.44
O0929	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					8.09	206.30
O0929	2009	65383	Beaten Area					0.16	4.08
O0931	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					42.92	1,094.46
O0931	2009	65383	Beaten Area					1.09	27.80
O0935	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					9.48	274.92
O0935	2009	65383	Beaten Area					42.70	1,238.30
O0936	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					33.65	480.86
O0940	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					1.68	33.60
O0942	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					41.15	720.13
O0942	2009	65383	Beaten Area					2.28	39.90
O0944	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					4.43	73.85
O0950	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					2.78	86.18
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**191.70**	**4,317.56**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	0.00	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**72.26**	**1,934.11**
SUB-TOTAL	**72.26**	**1,934.11**
non-contiguous habitat	**-8.68**	**-151.90**
TOTAL	**63.58**	**1,782.21**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Stand O0942 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table F-87. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K08-03**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0807	62.66	72	21	18.82	5.50	8.63	6.50	17.45	26.00	23.05	11.84	1.50	10.00	32.50	48.00	2	28	34	3	1	0	62.66	2,036.45				
K0820	35.65	72	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	1	35.65	1,515.13				
pp706*	28.49	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					28.49	0.00
pp707*	0.53	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.53	0.00
	127.33																					**98.31**	**3,551.58**	**0.00**	**0.00**	**29.02**	**0.00**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0807	2010	65554	Construct Intallation-Wide Roads, Paved	3.13	101.73				
K0820	2010	65554	Construct Intallation-Wide Roads, Paved	3.13	133.03				
pp706*	2010	65554	Construct Intallation-Wide Roads, Paved					0.59	0.00
			TOTAL REMOVALS	**6.26**	**234.76**	**0.00**	**0.00**	**0.59**	**0.00**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**92.05**	**3,316.82**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**28.43**	**0.00**
TOTAL	**120.48**	**3,316.82**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

*** Note:** No pine data provided for stands less than 30 years of age.

Table F-88. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K08-03**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0807	62.66	71	21	18.82	5.50	8.63	6.50	17.45	26.00	23.05	11.84	1.50	10.00	32.50	48.00	2	28	34	3	1	4.08	PS					62.66	2,036.45
K0820	35.65	71	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	4.53	CS	35.65	1,515.13				
pp706*	28.49	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					28.49	0.00
pp707*	0.53	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.53	0.00
	127.33																						**35.65**	**1,515.13**	**0.00**	**0.00**	**91.68**	**2,036.45**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0807	2010	65554	Construct Installation-Wide Roads, Paved					3.13	101.73
K0820	2010	65554	Construct Installation-Wide Roads, Paved	3.13	133.03				
pp706*	2010	65554	Construct Installation-Wide Roads, Paved					0.59	0.00
			TOTAL REMOVALS	**3.13**	**133.03**	**0.00**	**0.00**	**3.72**	**101.73**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**32.52**	**1,382.10**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**87.96**	**1,934.72**
TOTAL	**120.48**	**3,316.82**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*** Note:** No pine data provided for stands less than 30 years of age.

Table F-89. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K08-04**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0807	47.63	72	21	18.82	5.50	8.63	6.50	17.45	26.00	23.05	11.84	1.50	10.00	32.50	48.00	2	28	34	3	1	0	47.63	1,547.98				
K0810	70.08	72	31	13.84	4.00	18.31	14.00	17.01	26.00	7.31	3.82	1.26	4.50	40.00	48.50	1	33	13	3	1	1	70.08	2,803.20				
K0820	23.51	72	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	1	23.51	999.18				
K0902	6.45	17	31P	328.62	84.00	16.09	10.00	0.98	1.00	0.00	0.00	0.00	0.00	11.00	95.00	2	21	0	3	1	0			6.45	70.95		
K0909	30.51	89	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	0	30.51	996.76				
K0912	1.35	90	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	0					1.35	39.83
K0915	5.45	81	26	21.08	6.50	11.02	8.50	18.25	29.50	24.11	17.43	3.66	17.50	38.00	62.00	1	19	42	3	2	0	5.45	207.10				
pp707*	3.07	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.07	0.00
	188.05																					**177.18**	**6,554.22**	**6.45**	**70.95**	**4.42**	**39.83**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0807	2010	65554	Construct Installation-Wide Roads, Paved	1.97	64.03				
K0810	2010	65554	Construct Installation-Wide Roads, Paved	4.13	165.20				
K0820	2010	65554	Construct Installation-Wide Roads, Paved	3.21	136.43				
K0909	2010	65554	Construct Installation-Wide Roads, Paved	1.39	45.41				
K0912	2010	65554	Construct Installation-Wide Roads, Paved					0.47	13.87
K0915	2010	65554	Construct Installation-Wide Roads, Paved	2.50	95.00				
			TOTAL REMOVALS	**13.20**	**506.07**	**0.00**	**0.00**	**0.47**	**13.87**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**163.98**	**6,048.15**
Potentially Suitable Habitat	**6.45**	**70.95**
Future Potential Habitat	**3.95**	**25.97**
TOTAL	**174.38**	**6,145.06**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Stand Score
0=Unsuitable
1=Suitable

*** Note:** No pine data was provided for pine plantation stands less then 30 years old.

Table F-90. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K08-04**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0807	47.63	72	21	18.82	5.50	8.63	6.50	17.45	26.00	23.05	11.84	1.50	10.00	32.50	48.00	2	28	34	3	1	4.08	PS					47.63	1,547.98
K0810	70.08	72	31	13.84	4.00	18.31	14.00	17.01	26.00	7.31	3.82	1.26	4.50	40.00	48.50	1	33	13	3	1	4.28	PS					70.08	2,803.20
K0820	23.51	72	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	4.53	CS	23.51	999.18				
K0902	6.45	17	31P	328.62	84.00	16.09	10.00	0.98	1.00	0.00	0.00	0.00	0.00	11.00	95.00	2	21	0	3	1	2.26	NH					6.45	70.95
K0909	30.51	89	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	4.18	PS					30.51	996.76
K0912	1.35	90	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	3.98	PS					1.35	39.83
K0915	5.45	81	26	21.08	6.50	11.02	8.50	18.25	29.50	24.11	17.43	3.66	17.50	38.00	62.00	1	19	42	3	2	4.32	PS					5.45	207.10
pp707*	3.07	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.07	0.00
	188.05																						**23.51**	**999.18**	**0.00**	**0.00**	**164.54**	**5,665.82**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0807	2010	65554	Construct Installation-Wide Roads, Paved					1.97	64.03
K0810	2010	65554	Construct Installation-Wide Roads, Paved					4.13	165.20
K0820	2010	65554	Construct Installation-Wide Roads, Paved	3.21	136.43				
K0909	2010	65554	Construct Installation-Wide Roads, Paved					1.39	45.41
K0912	2010	65554	Construct Installation-Wide Roads, Paved					0.47	13.87
K0915	2010	65554	Construct Installation-Wide Roads, Paved					2.50	95.00
			TOTAL REMOVALS	**3.21**	**136.43**	**0.00**	**0.00**	**10.46**	**383.51**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**20.30**	**862.75**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**154.08**	**5,282.31**
TOTAL	**174.38**	**6,145.06**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*** Note: No pine data was provided for pine plantation stands less then 30 years old.**

Table F-91. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K09-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0820	1.58	72	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	1	1.58	67.15				
K0909	0.57	89	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	0	0.57	18.62				
K0912	41.03	90	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	0					41.03	1,210.39
K0913	18.43	79	21S	24.77	7.89	11.62	8.95	10.48	16.84	28.37	8.68	0.78	6.84	25.79	40.53	7	17	30	3	2	0					18.43	475.31
K0914	0.51	78	21	29.97	9.50	13.48	10.00	25.29	40.00	4.75	3.26	2.11	5.00	50.00	64.50	5	29	12	3	2	1			0.51	25.50		
K0915	26.66	81	26	21.08	6.50	11.02	8.50	18.25	29.50	24.11	17.43	3.66	17.50	38.00	62.00	1	19	42	3	2	0	26.66	1,013.08				
K0916	46.85	90	21	13.63	3.50	18.06	14.00	19.60	31.50	4.34	0.94	0.91	2.00	45.50	51.00	1	33	5	3	2	1	46.85	2,131.68				
K0917	13.91	49	26	12.17	4.00	13.69	10.50	20.53	30.00	19.40	7.00	3.85	10.50	40.50	55.00	1	24	24	3	2	0	13.91	563.36				
K0921	32.73	60	66**	21.55	6.32	6.07	4.74	7.21	10.53	18.27	9.63	4.38	13.68	15.26	35.26	2	22	51	3	2	0					0.00	0.00
	182.27																					**89.57**	**3,793.89**	**0.51**	**25.50**	**59.46**	**1,685.70**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0909	2010	65554	Construct Installation-Wide Roads, Paved	0.52	16.99				
K0912	2010	65554	Construct Installation-Wide Roads, Paved					0.71	20.95
			TOTAL REMOVALS	**0.52**	**16.99**	**0.00**	**0.00**	**0.71**	**20.95**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**89.05**	**3,776.90**
Potentially Suitable Habitat	**0.51**	**25.50**
Future Potential Habitat	**58.75**	**1,664.75**
TOTAL	**148.31**	**5,467.15**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21S = Longleaf Pine Scrub Oak
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
66** = Oak-Hickory (managed for hardwoods)

Table F-92. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K09-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0820	1.58	72	31	9.82	2.50	12.26	10.00	21.62	32.50	3.88	3.76	2.51	5.50	42.50	50.50	2	40	16	3	1	4.53	CS	1.58	67.15				
K0909	0.57	89	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	4.18	PS					0.57	18.62
K0912	41.03	90	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	3.98	PS					41.03	1,210.39
K0913	18.43	79	21S	24.77	7.89	11.62	8.95	10.48	16.84	28.37	8.68	0.78	6.84	25.79	40.53	7	17	30	3	2	3.43	PS					18.43	475.31
K0914	0.51	78	21	29.97	9.50	13.48	10.00	25.29	40.00	4.75	3.26	2.11	5.00	50.00	64.50	5	29	12	3	2	4.23	PS			0.51	25.50		
K0915	26.66	81	26	21.08	6.50	11.02	8.50	18.25	29.50	24.11	17.43	3.66	17.50	38.00	62.00	1	19	42	3	2	4.32	PS					26.66	1,013.08
K0916	46.85	90	21	13.63	3.50	18.06	14.00	19.60	31.50	4.34	0.94	0.91	2.00	45.50	51.00	1	33	5	3	2	4.58	CS	46.85	2,131.68				
K0917	13.91	49	26	12.17	4.00	13.69	10.50	20.53	30.00	19.40	7.00	3.85	10.50	40.50	55.00	1	24	24	3	2	4.21	PS					13.91	563.36
K0921	32.73	60	66**	21.55	6.32	6.07	4.74	7.21	10.53	18.27	9.63	4.38	13.68	15.26	35.26	2	22	51	3	2	3.53	PS					0.00	0.00
	182.27																						**48.43**	**2,198.83**	**0.51**	**25.50**	**100.60**	**3,280.76**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0909	2010	65554	Construct Installation-Wide Roads, Paved					0.52	16.99
K0912	2010	65554	Construct Installation-Wide Roads, Paved					0.71	20.95
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**1.23**	**37.94**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**48.43**	**2,198.83**
Potentially Suitable Habitat	**0.51**	**25.50**
Future Potential Habitat	**99.37**	**3,242.82**
TOTAL	**148.31**	**5,467.15**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
21 = Longleaf Pine
21S = Longleaf Pine Scrub Oak
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
66** = Oak-Hickory (managed for hardwoods)

Table F-93. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K09-03R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0903	18.37	17	31P	281.45	67.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.00	1	36	0	3	1	0					18.37	0.00
K0905	97.59	49	31	27.08	7.22	7.50	5.56	18.94	28.89	21.67	8.49	1.15	7.78	34.44	49.44	2	19	27	3	1	0	97.59	3,361.00				
K0909	15.00	89	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	0	15.00	490.05				
K0910	4.05	78	31P	277.83	65.00	4.97	2.50	0.00	0.00	12.73	0.00	0.00	0.00	2.50	67.50	1	33	0	3	1	0					4.05	10.13
K0911	55.07	70	31	61.06	15.50	13.82	9.50	16.96	26.00	8.86	2.54	0.83	3.00	35.50	54.00	1	29	10	3	1	0	0.00	0.00				
K0912	0.97	90	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	0					0.97	28.62
K0913	24.16	79	21S	24.77	7.89	11.62	8.95	10.48	16.84	28.37	8.68	0.78	6.84	25.79	40.53	7	17	30	3	2	0					24.16	623.09
K0914	44.48	78	21	29.97	9.50	13.48	10.00	25.29	40.00	4.75	3.26	2.11	5.00	50.00	64.50	5	29	12	3	2	1			44.48	2,224.00		
K0917	34.44	49	26	12.17	4.00	13.69	10.50	20.53	30.00	19.40	7.00	3.85	10.50	40.50	55.00	1	24	24	3	2	0	34.44	1,394.82				
K0919	0.21	70	31	16.93	5.79	17.96	13.68	22.72	34.74	18.32	11.19	2.28	11.58	48.42	65.79	1	17	25	3	1	0	0.00	0.00				
k1104	0.35	52	22P	109.43	33.00	40.66	25.50	1.95	2.50	3.60	2.64	0.85	3.50	28.00	64.50	1	39	0	3	1	0					0.00	0.00
k1108	9.79	56	31	17.63	5.50	12.46	9.00	16.38	24.50	0.00	0.74	0.00	0.50	33.50	39.50	2	52	0	3	1	0	0.00	0.00				
k1113	1.13	56	10	44.97	11.50	11.71	7.50	9.33	14.00	23.60	2.17	1.00	3.00	21.50	36.00	5	24	0	3	1	0					0.00	0.00
pp708*	12.07	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					12.07	0.00
pp709*	3.16	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
	320.84																					**147.03**	**5,245.87**	**44.48**	**2,224.00**	**59.62**	**661.84**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0905	2010	65554	Construct Installation-Wide Roads, Paved	3.49	120.20				
K0909	2010	65554	Construct Installation-Wide Roads, Paved	1.59	51.95				
K0910	2010	65554	Construct Installation-Wide Roads, Paved					2.44	6.10
K0912	2010	65554	Construct Installation-Wide Roads, Paved					0.54	15.93
K0913	2010	65554	Construct Installation-Wide Roads, Paved					0.57	14.70
K0914	2010	65554	Construct Installation-Wide Roads, Paved			0.22	11.00		
pp708*	2010	65554	Construct Installation-Wide Roads, Paved					1.14	0.00
			TOTAL REMOVALS	**5.08**	**172.15**	**0.22**	**11.00**	**4.69**	**36.73**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**141.95**	**5,073.72**
Potentially Suitable Habitat	**44.26**	**2,213.00**
Future Potential Habitat	**54.93**	**625.11**
TOTAL	**241.14**	**7,911.83**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21S = Longleaf Pine Scrub Oak
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

*** Note:** No pine data provided for pine plantation stand less than 30 years old

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-94. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K09-03R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0903	18.37	17	31P	281.45	67.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67.00	1	36	0	3	1	2.36	NH					18.37	0.00
K0905	97.59	49	31	27.08	7.22	7.50	5.56	18.94	28.89	21.67	8.49	1.15	7.78	34.44	49.44	2	19	27	3	1	3.88	PS					97.59	3,361.00
K0909	15.00	89	31	5.42	2.00	13.47	9.33	15.67	23.33	10.06	2.33	2.00	4.00	32.67	38.67	1	30	13	3	1	4.18	PS					15.00	490.05
K0910	4.05	78	31P	277.83	65.00	4.97	2.50	0.00	0.00	12.73	0.00	0.00	0.00	2.50	67.50	1	33	0	3	1	2.91	PS					4.05	10.13
K0911	55.07	70	31	61.06	15.50	13.82	9.50	16.96	26.00	8.86	2.54	0.83	3.00	35.50	54.00	1	29	10	3	1	4.05	PS					0.00	0.00
K0912	0.97	90	21	28.44	7.50	13.65	9.50	13.23	20.00	20.73	11.28	0.00	7.50	29.50	44.50	5	29	30	3	2	3.98	PS					0.97	28.62
K0913	24.16	79	21S	24.77	7.89	11.62	8.95	10.48	16.84	28.37	8.68	0.78	6.84	25.79	40.53	7	17	30	3	2	3.43	PS					24.16	623.09
K0914	44.48	78	21	29.97	9.50	13.48	10.00	25.29	40.00	4.75	3.26	2.11	5.00	50.00	64.50	5	29	12	3	2	4.23	PS			44.48	2,224.00		
K0917	34.44	49	26	12.17	4.00	13.69	10.50	20.53	30.00	19.40	7.00	3.85	10.50	40.50	55.00	1	24	24	3	2	4.21	PS					34.44	1,394.82
K0919	0.21	70	31	16.93	5.79	17.96	13.68	22.72	34.74	18.32	11.19	2.28	11.58	48.42	65.79	1	17	25	3	1	4.23	PS			0.00	0.00		
k1104	0.35	52	22P	109.43	33.00	40.66	25.50	1.95	2.50	3.60	2.64	0.85	3.50	28.00	64.50	1	39	0	3	1	2.88	PS					0.00	0.00
k1108	9.79	56	31	17.63	5.50	12.46	9.00	16.38	24.50	0.00	0.74	0.00	0.50	33.50	39.50	2	52	0	3	1	4.19	PS					0.00	0.00
k1113	1.13	56	10	44.97	11.50	11.71	7.50	9.33	14.00	23.60	2.17	1.00	3.00	21.50	36.00	5	24	0	3	1	3.15	PS					0.00	0.00
pp708*	12.07	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					12.07	0.00
pp709*	3.16	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
	320.84																						**0.00**	**0.00**	**44.48**	**2,224.00**	**206.65**	**5,907.71**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0905	2010	65554	Construct Installation-Wide Roads, Paved					3.49	120.20
K0909	2010	65554	Construct Installation-Wide Roads, Paved					1.59	51.95
K0910	2010	65554	Construct Installation-Wide Roads, Paved					2.44	6.10
K0912	2010	65554	Construct Installation-Wide Roads, Paved					0.54	15.93
K0913	2010	65554	Construct Installation-Wide Roads, Paved					0.57	14.70
K0914	2010	65554	Construct Installation-Wide Roads, Paved			0.22	11.00		
K0917	2010	65554	Construct Installation-Wide Roads, Paved						
pp708*	2010	65554	Construct Installation-Wide Roads, Paved					1.14	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.22**	**11.00**	**9.77**	**208.88**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**44.26**	**2,213.00**
Future Potential Habitat	**196.88**	**5,698.83**
TOTAL	**241.14**	**7,911.83**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21S = Longleaf Pine Scrub Oak
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

*** Note:** No pine data provided for pine plantation stand less than 30 years old

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-95. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K11-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1035	5.12	40	31	50.23	14.00	31.93	21.00	7.60	13.00	25.14	2.35	0.81	2.50	34.00	50.50	6	22	7	3	2	0			5.12	174.08		
K1106	22.17	65	13	10.62	3.50	7.45	5.00	12.01	20.00	43.95	8.56	3.60	10.50	25.00	39.00	7	25	38	3	1	0					22.17	554.25
K1115	43.27	63	31	15.93	4.00	9.93	7.50	19.00	33.00	4.65	0.86	0.90	2.00	40.50	46.50	2	29	6	3	1	1	43.27	1,752.44				
K1117	40.92	80	26	9.74	2.00	6.14	4.50	22.72	39.00	18.08	7.37	1.65	6.50	43.50	52.00	2	24	24	3	1	1	40.92	1,780.02				
K1119	12.94	58	10	16.53	4.00	11.06	9.00	9.82	15.50	26.58	17.78	5.78	21.00	24.50	49.50	7	23	53	3	1	0					0.00	0.00
K1120	50.32	78	13	32.48	9.47	15.23	10.53	15.08	26.32	32.59	19.30	5.71	20.53	36.84	66.84	1	13	45	3	1	0	50.32	1,853.79				
K1121	67.40	78	21	17.06	5.00	11.72	9.00	16.04	26.00	12.29	6.32	2.16	7.50	35.00	47.50	1	29	23	3	1	0	67.40	2,359.00				
K1122	37.97	81	21	27.11	8.00	15.02	11.50	14.89	24.00	10.92	7.57	5.91	14.50	35.50	58.00	1	22	31	3	1	0	37.97	1,347.94				
K1125	9.34	89	21	27.36	8.00	13.22	10.00	5.39	7.50	14.31	3.26	1.29	4.00	17.50	29.50	2	36	20	3	1	0					9.34	163.45
K1127	0.03	79	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.03	0.00
pp109*	39.92	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					39.92	0.00
pp112*	2.03	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp710*	5.19	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.19	0.00
pp713*	0.57	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.57	0.00
	337.19																					**239.88**	**9,093.19**	**5.12**	**174.08**	**77.22**	**717.70**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1035	2010	65554	Construct Installation-Wide Roads, Paved			1.72	58.48		
K1122	2010	65554	Construct Installation-Wide Roads, Paved	0.55	19.53				
pp713*	2010	65554	Construct Installation-Wide Roads, Paved					0.31	0.00
			TOTAL REMOVALS	**0.55**	**19.53**	**1.72**	**58.48**	**0.31**	**0.00**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**239.33**	**9,073.66**
Potentially Suitable Habitat	**3.40**	**115.60**
Future Potential Habitat	**76.91**	**717.70**
TOTAL	**319.64**	**9,906.96**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-96. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K11-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1035	5.12	40	31	50.23	14.00	31.93	21.00	7.60	13.00	25.14	2.35	0.81	2.50	34.00	50.50	6	22	7	3	2	3.12	PS					5.12	174.08
K1106	22.17	65	13	10.62	3.50	7.45	5.00	12.01	20.00	43.95	8.56	3.60	10.50	25.00	39.00	7	25	38	3	1	3.53	PS					22.17	554.25
K1115	43.27	63	31	15.93	4.00	9.93	7.50	19.00	33.00	4.65	0.86	0.90	2.00	40.50	46.50	2	29	6	3	1	4.33	PS			43.27	1,752.44		
K1117	40.92	80	26	9.74	2.00	6.14	4.50	22.72	39.00	18.08	7.37	1.65	6.50	43.50	52.00	2	24	24	3	1	4.33	PS			40.92	1,780.02		
K1119	12.94	58	10	16.53	4.00	11.06	9.00	9.82	15.50	26.58	17.78	5.78	21.00	24.50	49.50	7	23	53	3	1	3.25	PS					0.00	0.00
K1120	50.32	78	13	32.48	9.47	15.23	10.53	15.08	26.32	32.59	19.30	5.71	20.53	36.84	66.84	1	13	45	3	1	4.00	PS					50.32	1,853.79
K1121	67.40	78	21	17.06	5.00	11.72	9.00	16.04	26.00	12.29	6.32	2.16	7.50	35.00	47.50	1	29	23	3	1	4.13	PS					67.40	2,359.00
K1122	37.97	81	21	27.11	8.00	15.02	11.50	14.89	24.00	10.92	7.57	5.91	14.50	35.50	58.00	1	22	31	3	1	4.10	PS					37.97	1,347.94
K1125	9.34	89	21	27.36	8.00	13.22	10.00	5.39	7.50	14.31	3.26	1.29	4.00	17.50	29.50	2	36	20	3	1	3.33	PS					9.34	163.45
K1127	0.03	79	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.31	PS					0.03	0.00
pp109*	39.92	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					39.92	0.00
pp112*	2.03	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp710*	5.19	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0	NH					5.19	0.00
pp713*	0.57	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.57	0.00
	337.19																						**0.00**	**0.00**	**84.19**	**3,532.46**	**238.03**	**6,452.51**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1035	2010	65554	Construct Installation-Wide Roads, Paved					1.72	58.48
k1122	2010	65554	Construct Installation-Wide Roads, Paved					0.55	19.53
pp713*	2010	65554	Construct Installation-Wide Roads, Paved					0.31	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**2.58**	**78.01**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**84.19**	**3,532.46**
Future Potential Habitat	**235.45**	**6,374.50**
TOTAL	**319.64**	**9,906.96**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
ND = No data provided

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-97. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K11-03**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1035	2.16	41	31	50.23	14.00	31.93	21.00	7.60	13.00	25.14	2.35	0.81	2.50	34.00	50.50	6	22	7	3	2	0			2.16	73.44		
K1038	0.04	65	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	0					0.00	0.00
K1039	89.48	69	31	28.15	7.00	9.11	6.00	13.06	21.00	14.19	4.04	1.12	4.00	27.00	38.00	7	31	19	3	2	0					89.48	2,415.96
K1041	10.66	82	21U	15.68	4.00	9.75	6.50	2.00	3.00	13.72	0.90	0.00	0.50	9.50	14.00	4	21	7	3	2	0					10.66	101.27
k1122	40.17	82	21	27.11	8.00	15.02	11.50	14.89	24.00	10.92	7.57	5.91	14.50	35.50	58.00	1	22	31	3	1	0	40.17	1,426.04				
pp105*	11.49	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					11.49	0.00
	154.00																					**40.17**	**1,426.04**	**2.16**	**73.44**	**111.63**	**2,517.23**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1035	2010	65554	Construct Installation-Wide Roads, Paved			0.07	2.38		
K1039	2010	65554	Construct Installation-Wide Roads, Paved					2.61	70.47
K1041	2010	65554	Construct Installation-Wide Roads, Paved					1.28	12.16
k1122	2010	65554	Construct Installation-Wide Roads, Paved	2.55	90.53				
pp105*	2010	65554	Construct Installation-Wide Roads, Paved					1.88	0.00
			TOTAL REMOVALS	**2.55**	**90.53**	**0.07**	**2.38**	**5.77**	**82.63**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**37.62**	**1,335.51**
Potentially Suitable Habitat	**2.09**	**71.06**
Future Potential Habitat	**105.86**	**2,434.60**
TOTAL	**145.57**	**3,841.17**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21U = Longleaf Pine Underplanted
31 = Loblolly Pine
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-98. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K11-03**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1035	2.16	41	31	50.23	14.00	31.93	21.00	7.60	13.00	25.14	2.35	0.81	2.50	34.00	50.50	6	22	7	3	2	3.12	PS					2.16	73.44
K1038	0.04	65	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	2	2.46	PS					0.00	0.00
K1039	89.48	69	31	28.15	7.00	9.11	6.00	13.06	21.00	14.19	4.04	1.12	4.00	27.00	38.00	7	31	19	3	2	3.96	PS					89.48	2,415.96
K1041	10.66	82	21U	15.68	4.00	9.75	6.50	2.00	3.00	13.72	0.90	0.00	0.50	9.50	14.00	4	21	7	3	2	3.00	PS					10.66	101.27
k1122	40.17	82	21	27.11	8.00	15.02	11.50	14.89	24.00	10.92	7.57	5.91	14.50	35.50	58.00	1	22	31	3	1	4.10	PS					40.17	1,426.04
pp105*	11.49	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					11.49	0.00
	154.00																						**0.00**	**0.00**	**0.00**	**0.00**	**153.96**	**4,016.71**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1035	2010	65554	Construct Installation-Wide Roads, Paved					0.07	2.38
K1039	2010	65554	Construct Installation-Wide Roads, Paved					2.61	70.47
K1041	2010	65554	Construct Installation-Wide Roads, Paved					1.28	12.16
k1122	2010	65554	Construct Installation-Wide Roads, Paved					2.55	90.53
pp105*	2010	65554	Construct Installation-Wide Roads, Paved					1.88	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**8.39**	**175.54**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**145.57**	**3,841.17**
TOTAL	**145.57**	**3,841.17**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21U = Longleaf Pine Underplanted
31 = Loblolly Pine
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-99. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K14-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1210	2.40	42	22P	45.91	14.50	15.91	10.50	2.90	4.50	0.00	0.76	0.00	0.50	15.00	30.00	1	33	4	0	0	0					2.40	36.00
K1402	14.18	36	22U	6.75	2.00	6.33	4.50	6.67	10.50	2.17	0.69	0.30	1.00	15.00	18.00	1	42	7	3	1	0					14.18	212.70
K1403	39.25	79	26P	45.46	16.50	51.40	35.50	13.77	17.00	1.43	0.00	0.00	0.00	52.50	69.00	1	22	0	3	1	1	39.25	2,060.63				
K1404	4.64	55	26	9.51	2.50	6.16	5.00	6.73	9.50	3.04	2.20	0.68	2.50	14.50	19.50	1	33	18	3	1	0					4.64	67.28
K1405	31.58	79	21	20.41	5.00	4.99	4.00	9.05	14.50	8.57	0.00	0.00	0.00	18.50	23.50	1	30	0	3	1	0					31.58	584.23
K1406	43.69	79	32	33.13	8.50	17.51	13.00	8.01	12.50	1.93	3.76	0.28	3.00	25.50	37.00	1	29	14	3	1	0					43.69	1,114.10
K1410	26.77	55	26	18.95	5.50	34.57	25.00	10.64	14.00	0.00	0.00	0.00	0.00	39.00	44.50	1	44	0	3	1	0	26.77	1,044.03				
pp808*	49.38	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					49.38	0.00
	211.89																					**66.02**	**3,104.66**	**0.00**	**0.00**	**145.86**	**2,014.31**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1210	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.24	3.60
K1403	2010	65557	Repair/ Upgrade Existing Training Area Roads	2.82	148.05				
K1405	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.97	17.95
K1406	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.65	16.58
K1410	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.27	10.53				
			TOTAL REMOVALS	**3.09**	**158.58**	**0.00**	**0.00**	**1.86**	**38.13**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**62.93**	**2,946.08**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**144.00**	**1,976.18**
TOTAL	**206.94**	**4,922.26**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
22U = Slash Pine Underplatned
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
32 = Shortleaf Pine

* Note: No pine data collected for pine plantation stands less then 30 years old.

Table F-100. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K14-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1210	2.40	42	22P	45.91	14.50	15.91	10.50	2.90	4.50	0.00	0.76	0.00	0.50	15.00	30.00	1	33	4	0	0	2.28	NH					2.40	36.00
K1402	14.18	36	22U	6.75	2.00	6.33	4.50	6.67	10.50	2.17	0.69	0.30	1.00	15.00	18.00	1	42	7	3	1	1.89	PS					14.18	212.70
K1403	39.25	79	26P	45.46	16.50	51.40	35.50	13.77	17.00	1.43	0.00	0.00	0.00	52.50	69.00	1	22	0	3	1	2.31	PS					39.25	2,060.63
K1404	4.64	55	26	9.51	2.50	6.16	5.00	6.73	9.50	3.04	2.20	0.68	2.50	14.50	19.50	1	33	18	3	1	2.17	PS					4.64	67.28
K1405	31.58	79	21	20.41	5.00	4.99	4.00	9.05	14.50	8.57	0.00	0.00	0.00	18.50	23.50	1	30	0	3	1	2.31	PS					31.58	584.23
K1406	43.69	79	32	33.13	8.50	17.51	13.00	8.01	12.50	1.93	3.76	0.28	3.00	25.50	37.00	1	29	14	3	1	2.31	PS					43.69	1,114.10
K1410	26.77	55	26	18.95	5.50	34.57	25.00	10.64	14.00	0.00	0.00	0.00	0.00	39.00	44.50	1	44	0	3	1	2.17	PS					26.77	1,044.03
pp808*	49.38	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					49.38	0.00
	211.89																						**0.00**	**0.00**	**0.00**	**0.00**	**211.89**	**5,118.97**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1210	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.24	3.60
K1403	2010	65557	Repair/ Upgrade Existing Training Area Roads					2.82	148.05
K1405	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.97	17.95
K1406	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.65	16.58
K1410	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.27	10.53
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**4.95**	**196.71**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**206.94**	**4,922.26**
TOTAL	**206.94**	**4,922.26**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
22U = Slash Pine Underplatned
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
32 = Shortleaf Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data collected for pine plantation stands less then 30 years old.

Table F-101. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K17-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1712	70.67	44	21	31.13	8.50	17.19	13.50	21.40	31.00	0.00	0.00	0.00	0.00	44.50	53.00	1	30	0	3	1	1	70.67	3,144.82				
K1731	3.34	66	57**	14.27	4.50	2.81	2.00	8.30	12.00	43.89	7.74	1.75	7.50	14.00	26.00	5	12	46	3	1	0					0.00	0.00
K1732	47.71	59	21	21.15	7.00	27.15	20.00	28.72	42.00	2.73	0.97	0.36	1.00	62.00	70.00	1	30	2	3	1	1	47.71	2,958.02				
K1733	21.89	59	22P	31.22	9.50	17.02	12.50	10.06	16.00	52.13	11.85	2.83	12.00	28.50	50.00	1	13	35	3	1	0					21.89	623.87
pp332*	2.51	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.51	0.00
pp521*	17.43	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					17.43	0.00
pp606*	3.63	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.63	0.00
	167.18																					**118.38**	**6,102.84**	**0.00**	**0.00**	**45.47**	**623.87**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1712	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.90	40.05				
K1732	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.46	28.52				
K1733	2010	65557	Repair/ Upgrade Existing Training Area Roads					2.09	59.57
pp521*	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.08	0.00
pp606*	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.10	0.00
			TOTAL REMOVALS	**1.36**	**68.57**	**0.00**	**0.00**	**3.27**	**59.57**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**117.02**	**6,034.27**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**42.20**	**564.30**
TOTAL	**159.21**	**6,598.57**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
57** = Scrub Oak (managed for hardwoods)

*** Note:** No pine data was collected for pine plantation stands less than 30 years old.

Table F-102. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K17-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1712	70.67	44	21	31.13	8.50	17.19	13.50	21.40	31.00	0.00	0.00	0.00	0.00	44.50	53.00	1	30	0	3	1	4.13	PS					70.67	3,144.82
K1731	3.34	66	57**	14.27	4.50	2.81	2.00	8.30	12.00	43.89	7.74	1.75	7.50	14.00	26.00	5	12	46	3	1	3.06	PS					0.00	0.00
K1732	47.71	59	21	21.15	7.00	27.15	20.00	28.72	42.00	2.73	0.97	0.36	1.00	62.00	70.00	1	30	2	3	1	4.28	PS					47.71	2,958.02
K1733	21.89	59	22P	31.22	9.50	17.02	12.50	10.06	16.00	52.13	11.85	2.83	12.00	28.50	50.00	1	13	35	3	1	3.52	PS					21.89	623.87
pp332*	2.51	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.51	0.00
pp521*	17.43	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					17.43	0.00
pp606*	3.63	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.63	0.00
	167.18																						**0.00**	**0.00**	**0.00**	**0.00**	**163.84**	**6,726.71**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1712	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.90	40.05
K1732	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.46	28.52
K1733	2010	65557	Repair/ Upgrade Existing Training Area Roads					2.09	59.57
pp521*	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.08	0.00
pp606*	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.10	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**4.63**	**128.14**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**159.21**	**6,598.57**
TOTAL	**159.21**	**6,598.57**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
57** = Scrub Oak (managed for hardwoods)

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*** Note:** No pine data was collected for pine plantation stands less than 30 years old.

Table F-103. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K17-05R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1709	32.82	48	31	10.64	4.00	26.86	20.50	23.61	31.50	1.72	0.00	0.80	1.00	52.00	57.00	1	30	2	3	1	1	32.82	1,706.64				
K1712	111.28	44	21	31.13	8.50	17.19	13.50	21.40	31.00	0.00	0.00	0.00	0.00	44.50	53.00	1	30	0	3	1	1	111.28	4,951.96				
K1718	7.81	22	31S	0.00	0.00	7.86	4.29	4.53	7.14	15.08	3.13	0.00	2.86	11.43	14.29	5	16	20	3	1	0					7.81	89.27
pp332*	26.35	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					26.35	0.00
pp333*	24.81	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					24.81	0.00
pp334*	19.08	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					19.08	0.00
pp520*	8.11	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					8.11	0.00
pp606*	21.33	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					21.33	0.00
pp607*	22.88	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					22.88	0.00
	274.47																					**144.10**	**6,658.60**	**0.00**	**0.00**	**130.37**	**89.27**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1712	2010	65557	Repair Existing Training Area Roads	0.24	10.68				
pp606*	2010	65557	Repair Existing Training Area Roads					0.72	0.00
			TOTAL REMOVALS	**0.24**	**10.68**	**0.00**	**0.00**	**0.72**	**0.00**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**143.86**	**6,647.92**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**129.65**	**89.27**
TOTAL	**273.51**	**6,737.19**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine
31S = Loblolly Pine Scrub Oak

*** Note:** No pine data was collected for pine plantation stands less than 30 years old.

Table F-104. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K17-05R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1709	32.82	48	31	10.64	4.00	26.86	20.50	23.61	31.50	1.72	0.00	0.80	1.00	52.00	57.00	1	30	2	3	1	4.15	PS					32.82	1,706.64
K1712	111.28	44	21	31.13	8.50	17.19	13.50	21.40	31.00	0.00	0.00	0.00	0.00	44.50	53.00	1	30	0	3	1	4.13	PS					111.28	4,951.96
K1718	7.81	22	31S	0.00	0.00	7.86	4.29	4.53	7.14	15.08	3.13	0.00	2.86	11.43	14.29	5	16	20	3	1	2.22	NH					7.81	89.27
pp332*	26.35	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					26.35	0.00
pp333*	24.81	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					24.81	0.00
pp334*	19.08	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					19.08	0.00
pp520*	8.11	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					8.11	0.00
pp606*	21.33	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					21.33	0.00
pp607	22.88	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					22.88	0.00
	274.47																						**0.00**	**0.00**	**0.00**	**0.00**	**274.47**	**6,747.87**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1712	2010	65557	Repair Existing Training Area Roads					0.24	10.68
pp606*	2010	65557	Repair Existing Training Area Roads					0.72	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**0.96**	**10.68**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**273.51**	**6,737.19**
TOTAL	**273.51**	**6,737.19**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine
31S = Loblolly Pine Scrub Oak

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*** Note:** No pine data was collected for pine plantation stands less than 30 years old.

Table F-105. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K18-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1807	1.95	68	31	6.23	2.00	10.32	8.00	23.62	35.50	3.13	0.00	1.14	2.00	43.50	47.50	1	27	3	3	1	1	1.95	84.83				
K1810	10.58	77	21	14.72	3.50	8.91	6.00	13.90	21.00	4.74	0.00	1.20	2.00	27.00	32.50	1	40	5	3	1	0					10.58	285.66
K1811	75.06	77	21	6.76	2.11	19.07	12.63	6.62	8.95	4.11	2.49	1.40	3.68	21.58	27.37	1	35	13	3	1	0					75.06	1,619.79
K1905	21.54	45	42**	6.10	2.00	9.56	7.50	18.27	31.50	32.80	23.87	7.10	27.00	39.00	68.00	5	7	53	3	1	0					0.00	0.00
K1906	20.40	45	13	5.53	2.14	11.86	9.29	26.98	57.14	53.64	17.12	9.93	25.71	66.43	94.29	7	0	41	3	1	0			20.40	1,355.17		
K1908	7.22	61	31	11.32	2.86	8.53	7.14	27.83	40.00	0.00	0.00	0.00	0.00	47.14	50.00	1	30	0	3	1	1	7.22	340.35				
K1909	112.54	80	21	10.41	3.50	12.92	10.50	27.50	39.50	16.94	3.23	1.43	4.00	50.00	57.50	1	19	10	3	1	1	112.54	5,627.00				
K1911	4.42	75	25	8.45	1.76	15.72	12.94	18.28	28.82	9.76	6.07	1.91	7.06	41.76	50.59	6	14	19	3	1	0			4.42	184.58		
pp608*	14.75	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					14.75	0.00
	268.46																					**121.71**	**6,052.18**	**24.82**	**1,539.75**	**100.39**	**1,905.45**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1807	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.25	10.88				
K1810	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.10	2.70
K1811	2010	65557	Repair/ Upgrade Existing Training Area Roads					3.30	71.21
K1908	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.83	39.13				
K1909	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.90	95.00				
K1911	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.42	17.54		
pp608*	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.14	0.00
			TOTAL REMOVALS	**2.98**	**145.00**	**0.42**	**17.54**	**3.54**	**73.91**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**118.73**	**5,907.18**
Potentially Suitable Habitat	**24.40**	**1,522.21**
Future Potential Habitat	**96.85**	**1,831.54**
TOTAL	**239.98**	**9,260.92**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
42**= Upland Hardwood-Yellow Pine (managed for hardwoods)

Stand Score
0=Unsuitable
1=Suitable

*** Note:** No data was collected for pine plantation stands less then 30 years old.

Table F-106. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K18-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1807	1.95	68	31	6.23	2.00	10.32	8.00	23.62	35.50	3.13	0.00	1.14	2.00	43.50	47.50	1	27	3	3	1	4.33	PS			1.95	84.83		
K1810	10.58	77	21	14.72	3.50	8.91	6.00	13.90	21.00	4.74	0.00	1.20	2.00	27.00	32.50	1	40	5	3	1	4.28	PS					10.58	285.66
K1811	75.06	77	21	6.76	2.11	19.07	12.63	6.62	8.95	4.11	2.49	1.40	3.68	21.58	27.37	1	35	13	3	1	3.41	PS					75.06	1,619.79
K1905	21.54	45	42**	6.10	2.00	9.56	7.50	18.27	31.50	32.80	23.87	7.10	27.00	39.00	68.00	5	7	53	3	1	3.57	PS					0.00	0.00
K1906	20.40	45	13	5.53	2.14	11.86	9.29	26.98	57.14	53.64	17.12	9.93	25.71	66.43	94.29	7	0	41	3	1	3.51	PS					20.40	1,355.17
K1908	7.22	61	31	11.32	2.86	8.53	7.14	27.83	40.00	0.00	0.00	0.00	0.00	47.14	50.00	1	30	0	3	1	4.43	PS			7.22	340.35		
K1909	112.54	80	21	10.41	3.50	12.92	10.50	27.50	39.50	16.94	3.23	1.43	4.00	50.00	57.50	1	19	10	3	1	4.23	PS			112.54	5,627.00		
K1911	4.42	75	25	8.45	1.76	15.72	12.94	18.28	28.82	9.76	6.07	1.91	7.06	41.76	50.59	6	14	19	3	1	4.00	PS			4.42	184.58		
pp608*	14.75	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					14.75	0.00
	268.46																						**0.00**	**0.00**	**126.13**	**6,236.76**	**120.79**	**3,260.62**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1807	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.25	10.88		
K1810	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.10	2.70
K1811	2010	65557	Repair/ Upgrade Existing Training Area Roads					3.30	71.21
K1908	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.83	39.13		
K1909	2010	65557	Repair/ Upgrade Existing Training Area Roads			1.90	95.00		
K1911	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.42	17.54		
pp608*	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.14	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**3.40**	**162.55**	**3.54**	**73.91**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**122.73**	**6,074.21**
Future Potential Habitat	**117.25**	**3,186.71**
TOTAL	**239.98**	**9,260.92**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*** Note:** No data was collected for pine plantation stands less then 30 years old.

Table F-107. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K18-02R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1802	23.22	52	26	38.09	12.50	24.96	17.00	5.05	7.00	6.74	2.54	0.00	1.50	24.00	38.00	5	17	8	3	1	0					0.00	0.00
K1803	4.15	56	31	22.67	7.00	20.70	15.00	17.25	26.00	16.73	3.66	0.00	2.50	41.00	50.50	7	28	9	3	1	0			4.15	170.15		
K1804	8.66	42	42**	13.35	3.50	12.98	9.00	6.77	12.00	19.59	7.19	3.39	10.00	21.00	34.50	5	29	35	3	1	0					0.00	0.00
K1806	67.29	47	26	12.52	3.68	18.37	12.63	15.31	21.05	8.14	5.08	0.98	5.26	33.68	42.63	1	23	15	3	1	0	67.29	2,266.33				
K1807	70.86	68	31	6.23	2.00	10.32	8.00	23.62	35.50	3.13	0.00	1.14	2.00	43.50	47.50	1	27	3	3	1	1	70.86	3,082.41				
K1808	57.02	47	26	49.23	15.50	34.42	23.50	9.15	12.00	6.89	4.76	0.78	5.00	35.50	56.00	1	35	11	3	1	0	0.00	0.00				
K1810	35.18	77	21	14.72	3.50	8.91	6.00	13.90	21.00	4.74	0.00	1.20	2.00	27.00	32.50	1	40	5	3	1	0					35.18	949.86
K1811	2.95	77	21	6.76	2.11	19.07	12.63	6.62	8.95	4.11	2.49	1.40	3.68	21.58	27.37	1	35	13	3	1	0					2.95	63.66
K1902	12.54	107	31	22.29	6.00	13.76	10.00	15.81	29.50	18.22	10.70	5.95	16.50	39.50	62.00	5	14	36	3	1	0			12.54	495.33		
K1908	0.18	61	31	11.32	2.86	8.53	7.14	27.83	40.00	0.00	0.00	0.00	0.00	47.14	50.00	1	30	0	3	1	1	0.18	8.49				
pp608*	7.53	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					7.53	0.00
	289.58																					**138.32**	**5,357.23**	**16.69**	**665.48**	**45.67**	**1,013.52**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1806	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.58	19.53				
K1807	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.28	55.68				
K1902	2010	65557	Repair/ Upgrade Existing Training Area Roads			1.22	48.19		
K1908	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.08	3.77				
			TOTAL REMOVALS	**1.94**	**78.98**	**1.22**	**48.19**	**0.00**	**0.00**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**136.38**	**5,278.25**
Potentially Suitable Habitat	**15.47**	**617.29**
Future Potential Habitat	**45.67**	**1,013.52**
TOTAL	**197.52**	**6,909.06**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

*** Note:** No data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-108. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K18-02R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1802	23.22	52	26	38.09	12.50	24.96	17.00	5.05	7.00	6.74	2.54	0.00	1.50	24.00	38.00	5	17	8	3	1	2.77	PS					0.00	0.00
K1803	4.15	56	31	22.67	7.00	20.70	15.00	17.25	26.00	16.73	3.66	0.00	2.50	41.00	50.50	7	28	9	3	1	3.69	PS					4.15	170.15
K1804	8.66	42	42**	13.35	3.50	12.98	9.00	6.77	12.00	19.59	7.19	3.39	10.00	21.00	34.50	5	29	35	3	1	2.94	PS					0.00	0.00
K1806	67.29	47	26	12.52	3.68	18.37	12.63	15.31	21.05	8.14	5.08	0.98	5.26	33.68	42.63	1	23	15	3	1	3.85	PS					67.29	2,266.33
K1807	70.86	68	31	6.23	2.00	10.32	8.00	23.62	35.50	3.13	0.00	1.14	2.00	43.50	47.50	1	27	3	3	1	4.33	PS			70.86	3,082.41		
K1808	57.02	47	26	49.23	15.50	34.42	23.50	9.15	12.00	6.89	4.76	0.78	5.00	35.50	56.00	1	35	11	3	1	3.44	PS					0.00	0.00
K1810	35.18	77	21	14.72	3.50	8.91	6.00	13.90	21.00	4.74	0.00	1.20	2.00	27.00	32.50	1	40	5	3	1	4.28	PS					35.18	949.86
K1811	2.95	77	21	6.76	2.11	19.07	12.63	6.62	8.95	4.11	2.49	1.40	3.68	21.58	27.37	1	35	13	3	1	3.41	PS					2.95	63.66
K1902	12.54	107	31	22.29	6.00	13.76	10.00	15.81	29.50	18.22	10.70	5.95	16.50	39.50	62.00	5	14	36	3	1	3.79	PS					12.54	495.33
K1908	0.18	61	31	11.32	2.86	8.53	7.14	27.83	40.00	0.00	0.00	0.00	0.00	47.14	50.00	1	30	0	3	1	4.43	PS			0.18	8.49		
pp608*	7.53	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					7.53	0.00
	289.58																						**0.00**	**0.00**	**71.04**	**3,090.90**	**129.64**	**3,945.33**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1806	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.58	19.53
K1807	2010	65557	Repair/ Upgrade Existing Training Area Roads			1.28	55.68		
K1902	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.22	48.19
K1908	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.08	3.77		
			TOTAL REMOVALS	**0.00**	**0.00**	**1.36**	**59.45**	**1.80**	**67.72**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**69.68**	**3,031.45**
Future Potential Habitat	**127.84**	**3,877.61**
TOTAL	**197.52**	**6,909.06**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

*** Note:** No data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-109. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K18-03R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1821	0.12	41	21	52.71	11.00	11.46	8.50	2.35	3.00	6.11	5.42	3.23	8.00	11.50	30.50	1	25	39	3	1	0					0.12	1.38
K1822	89.40	59	31	35.69	8.50	18.08	12.50	5.47	8.50	0.00	0.54	1.81	3.00	21.00	32.50	1	22	9	3	1	0					89.40	1,877.40
K1823	44.46	69	31	38.49	10.00	11.51	7.50	9.46	18.00	2.48	2.61	1.06	4.00	25.50	39.50	1	24	15	3	1	0					44.46	1,133.73
K1826	33.04	78	26	7.67	2.00	6.33	5.00	10.20	17.50	0.00	0.00	0.97	2.50	22.50	27.00	2	10	6	3	1	0					33.04	743.40
K1913	0.01	81	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.01	0.00
K2001	19.05	96	26	7.90	2.50	14.71	11.00	18.86	29.50	2.31	1.29	1.55	4.00	40.50	47.00	8	35	8	3	1	0			19.05	771.53		
K2005	19.46	81	26	22.04	6.50	4.56	3.50	11.69	17.50	3.53	2.91	5.61	12.00	21.00	39.50	1	23	34	3	1	0					0.00	0.00
K2112	27.94	85	31	7.28	2.11	3.54	2.11	19.44	31.58	11.38	2.10	2.14	5.26	33.68	41.05	2	9	16	3	1	0	0.00	0.00				
K2114	2.55	71	21	3.47	1.00	13.57	10.50	20.06	31.50	1.47	0.00	0.18	0.50	42.00	43.50	1	29	1	3	1	1	0.00	0.00				
K2118	2.03	49	21	10.64	3.50	11.66	8.50	9.29	13.50	7.57	2.96	3.10	6.50	22.00	32.00	2	22	22	3	1	0					0.00	0.00
	238.06																					**0.00**	**0.00**	**19.05**	**771.53**	**167.03**	**3,755.91**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1822	2010	65557	Repair Existing Training Area Roads					1.09	22.89
K1823	2010	65557	Repair Existing Training Area Roads					0.08	2.04
K1826	2010	65557	Repair Existing Training Area Roads					0.72	16.20
K1913	2010	65557	Repair Existing Training Area Roads					0.01	0.00
K2001	2010	65557	Repair Existing Training Area Roads			1.72	69.66		
			TOTAL REMOVALS	**0.00**	**0.00**	**1.72**	**69.66**	**1.90**	**41.13**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**17.33**	**701.87**
Future Potential Habitat	**165.13**	**3,714.78**
TOTAL	**182.46**	**4,416.65**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
ND = No data provided

Stand Score
0=Unsuitable
1=Suitable

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-110. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K18-03R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1821	0.12	41	21	52.71	11.00	11.46	8.50	2.35	3.00	6.11	5.42	3.23	8.00	11.50	30.50	1	25	39	3	1	2.61	PS					0.12	1.38
K1822	89.40	59	31	35.69	8.50	18.08	12.50	5.47	8.50	0.00	0.54	1.81	3.00	21.00	32.50	1	22	9	3	1	3.13	PS					89.40	1,877.40
K1823	44.46	69	31	38.49	10.00	11.51	7.50	9.46	18.00	2.48	2.61	1.06	4.00	25.50	39.50	1	24	15	3	1	3.67	PS					44.46	1,133.73
K1826	33.04	78	26	7.67	2.00	6.33	5.00	10.20	17.50	0.00	0.00	0.97	2.50	22.50	27.00	2	10	6	3	1	3.53	PS					33.04	743.40
K1913	0.01	81	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.31	PS					0.01	0.00
K2001	19.05	96	26	7.90	2.50	14.71	11.00	18.86	29.50	2.31	1.29	1.55	4.00	40.50	47.00	8	35	8	3	1	2.31	PS			19.05	771.53		
K2005	19.46	81	26	22.04	6.50	4.56	3.50	11.69	17.50	3.53	2.91	5.61	12.00	21.00	39.50	1	23	34	3	1	2.31	PS					0.00	0.00
K2112	27.94	85	31	7.28	2.11	3.54	2.11	19.44	31.58	11.38	2.10	2.14	5.26	33.68	41.05	2	9	16	3	1	4.08	PS					0.00	0.00
K2114	2.55	71	21	3.47	1.00	13.57	10.50	20.06	31.50	1.47	0.00	0.18	0.50	42.00	43.50	1	29	1	3	1	4.33	PS			0.00	0.00		
K2118	2.03	49	21	10.64	3.50	11.66	8.50	9.29	13.50	7.57	2.96	3.10	6.50	22.00	32.00	2	22	22	3	1	3.32	PS					0.00	0.00
	238.06																						**0.00**	**0.00**	**19.05**	**771.53**	**167.03**	**3,755.91**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K1822	2010	65557	Repair Existing Training Area Roads					1.09	22.89
K1823	2010	65557	Repair Existing Training Area Roads					0.08	2.04
K1826	2010	65557	Repair Existing Training Area Roads					0.72	16.20
K1913	2010	65557	Repair Existing Training Area Roads					0.01	0.00
K2001	2010	65557	Repair Existing Training Area Roads			1.72	69.66		
			TOTAL REMOVALS	**0.00**	**0.00**	**1.72**	**69.66**	**1.90**	**41.13**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**17.33**	**701.87**
Future Potential Habitat	**165.13**	**3,714.78**
TOTAL	**182.46**	**4,416.65**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
ND = No data provided

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-111. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K21-02R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1819	76.50	41	31	19.17	6.00	12.52	9.00	7.99	10.00	10.92	0.85	0.50	1.00	19.00	26.00	1	37	6	3	1	0					0.00	0.00
K1820	6.73	50	21	36.36	12.00	31.91	22.00	6.83	9.50	4.51	0.00	0.00	0.00	31.50	43.50	1	29	0	3	1	0	0.00	0.00				
K2102	97.16	62	21	24.21	5.79	18.01	13.16	17.01	25.79	13.37	6.43	2.47	7.89	38.95	52.63	1	12	20	3	1	0	97.16	3,784.38				
K2103	51.25	86	21	17.50	4.50	13.19	10.00	25.81	41.50	0.00	0.00	0.72	2.00	51.50	58.00	1	30	2	3	1	1	51.25	2,639.38				
K2104	25.19	51	31	21.32	6.00	18.25	14.00	19.08	27.00	0.00	0.00	0.00	0.00	41.00	47.00	2	45	0	3	1	1	25.19	1,032.79				
K2106	20.72	57	21	7.08	1.67	18.46	14.44	16.16	25.56	5.48	0.00	0.73	1.11	40.00	42.78	2	36	2	3	1	1	20.72	828.80				
K2214	0.01	39	31	65.42	17.50	34.64	23.50	10.13	14.00	17.30	3.80	1.37	4.50	37.50	59.50	1	23	10	3	1	0	0.00	0.00				
K2219	33.15	64	21	22.33	5.88	11.11	8.24	9.77	15.29	4.95	0.94	0.55	1.76	23.53	31.18	1	15	7	3	1	0					33.15	780.02
	310.71																					**194.32**	**8,285.35**	**0.00**	**0.00**	**33.15**	**780.02**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K2102	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	6.58	256.29				
K2104	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)	3.69	151.29				
K2219	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					4.27	100.47
			TOTAL REMOVALS	**10.27**	**407.58**	**0.00**	**0.00**	**4.27**	**100.47**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**184.05**	**7,877.77**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**28.88**	**679.55**
SUB-TOTAL	**212.93**	**8,557.32**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-112. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **K21-02R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K1819	76.50	41	31	19.17	6.00	12.52	9.00	7.99	10.00	10.92	0.85	0.50	1.00	19.00	26.00	1	37	6	3	1	3.22	PS					0.00	0.00
K1820	6.73	50	21	36.36	12.00	31.91	22.00	6.83	9.50	4.51	0.00	0.00	0.00	31.50	43.50	1	29	0	3	1	3.15	PS					0.00	0.00
K2102	97.16	62	21	24.21	5.79	18.01	13.16	17.01	25.79	13.37	6.43	2.47	7.89	38.95	52.63	1	12	20	3	1	4.01	PS					97.16	3,784.38
K2103	51.25	86	21	17.50	4.50	13.19	10.00	25.81	41.50	0.00	0.00	0.72	2.00	51.50	58.00	1	30	2	3	1	4.33	PS			51.25	2,639.38		
K2104	25.19	51	31	21.32	6.00	18.25	14.00	19.08	27.00	0.00	0.00	0.00	0.00	41.00	47.00	2	45	0	3	1	4.38	PS					25.19	1,032.79
K2106	20.72	57	21	7.08	1.67	18.46	14.44	16.16	25.56	5.48	0.00	0.73	1.11	40.00	42.78	2	36	2	3	1	4.14	PS					20.72	828.80
K2214	0.01	39	31	65.42	17.50	34.64	23.50	10.13	14.00	17.30	3.80	1.37	4.50	37.50	59.50	1	23	10	3	1	3.18	PS					0.00	0.00
K2219	33.15	64	21	22.33	5.88	11.11	8.24	9.77	15.29	4.95	0.94	0.55	1.76	23.53	31.18	1	15	7	3	1	3.62	PS					33.15	780.02
	310.71																						**0.00**	**0.00**	**51.25**	**2,639.38**	**176.22**	**6,425.99**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K2102	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					6.58	256.29
K2104	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					3.69	151.29
K2219	2009	n/a	Heavy Maneuver Corridor-South (Maneuver Heavy Use Area)					4.27	100.47
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**14.54**	**508.05**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**51.25**	**2,639.38**
Future Potential Habitat	**161.68**	**5,917.94**
SUB-TOTAL	**212.93**	**8,557.32**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-113. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **L02-02R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
L0104	12.86	60	31	48.50	12.78	33.02	22.22	13.87	20.00	15.08	0.65	1.97	2.78	42.22	57.78	1	34	5	3	1	1	12.86	542.95				
L0118	19.45	52	22P	167.71	48.00	22.20	14.00	0.42	0.50	3.61	2.55	0.86	3.00	14.50	65.50	1	19	13	3	1	0					19.45	282.03
L0120	2.78	39	31	53.26	16.00	24.71	17.00	6.89	10.00	21.52	5.71	2.35	7.00	27.00	50.00	2	17	20	3	1	0					2.78	75.06
L0201	9.23	86	31	59.50	20.00	18.22	13.33	6.47	16.67	7.86	0.00	1.34	2.22	30.00	52.22	8	28	5	3	1	0			9.23	276.90		
L0202	4.86	86	21	34.08	7.50	17.25	12.50	29.31	50.00	0.00	0.00	2.09	2.50	62.50	72.50	1	15	4	3	1	1	4.86	303.75				
L0203	7.39	86	31	45.22	11.43	27.69	20.00	13.87	18.57	0.00	0.00	0.00	0.00	38.57	50.00	1	34	0	3	1	0	7.39	285.03				
L0204	94.19	86	21	7.01	2.35	9.13	7.06	19.00	30.59	4.06	1.74	2.31	5.88	37.65	45.88	1	21	13	3	1	0	94.19	3,546.25				
L0205	25.06	86	31	31.93	10.00	12.40	8.46	6.35	10.77	15.21	5.68	0.72	4.62	19.23	33.85	8	18	25	3	1	0					25.06	481.90
L0208	0.69	44	13	17.08	6.67	14.08	10.00	3.26	3.33	37.54	4.46	0.00	3.33	13.33	23.33	5	10	20	3	1	0					0.69	9.20
L0305	12.02	43	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	0					12.02	336.56
L0305	2.26	43	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	0					0.00	0.00
L0310	14.95	82	31	7.16	2.50	17.35	13.13	20.94	38.75	7.98	6.70	1.66	6.88	51.88	61.25	8	26	18	3	1	0			0.00	0.00		
L0312	1.78	60	42**	16.14	4.50	7.35	5.50	9.49	20.00	19.77	10.59	5.89	18.00	25.50	48.00	7	22	49	3	1	0					0.00	0.00
L0315	21.52	82	13	16.01	5.00	5.42	3.89	10.99	19.44	9.97	9.00	8.39	17.22	23.33	45.56	2	21	51	3	1	0					0.00	0.00
L0401	0.35	44	31S	59.75	15.00	22.36	15.00	5.53	7.50	16.51	0.00	0.00	0.00	22.50	37.50	1	20	0	3	1	0					0.35	7.88
O1237	2.03	49	31	16.19	4.50	8.36	6.00	10.79	17.50	5.76	1.59	0.30	1.50	23.50	29.50	1	28	9	3	1	0					2.03	47.71
O1339	5.94	49	31	25.03	6.67	10.56	7.22	9.15	14.44	6.91	0.72	1.56	3.33	21.67	31.67	1	36	10	3	1	0					5.94	128.72
pp104*	6.82	7	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp690*	1.27	4	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.27	0.00
	245.45																					**119.30**	**4,677.98**	**9.23**	**276.90**	**69.59**	**1,369.06**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
L0104	2009	n/a	Off-road Drivers Training	2.06	86.97				
L0118	2009	n/a	Off-road Drivers Training					1.43	20.74
L0120	2009	n/a	Off-road Drivers Training					0.55	14.85
L0201	2009	n/a	Off-road Drivers Training			2.64	79.20		
L0203	2009	n/a	Off-road Drivers Training	7.38	284.65				
L0204	2009	n/a	Off-road Drivers Training	79.92	3,008.99				
L0205	2009	n/a	Off-road Drivers Training					17.47	335.95
L0208	2009	n/a	Off-road Drivers Training					0.69	9.20
L0401	2009	n/a	Off-road Drivers Training					0.35	7.88
O1237	2009	n/a	Off-road Drivers Training					0.05	1.18
pp690*	2009	n/a	Off-road Drivers Training					1.27	0.00
			TOTAL REMOVALS	**89.36**	**3,380.61**	**2.64**	**79.20**	**21.81**	**389.80**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**29.94**	**1,297.37**
Potentially Suitable Habitat	**6.59**	**197.70**
Future Potential Habitat	**47.78**	**979.26**
SUB-TOTAL	**84.31**	**2,474.33**
non-contiguous habitat	**-10.57**	**-250.42**
TOTAL	**73.74**	**2,223.91**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
22P = Slash Pine Plantation
31 = Loblolly Pine
31S = Loblolly Pine Scrub Oak
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

* Note: No pine data collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stands L0120, L0204 and L0205 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table F-114. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **L02-02R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
L0104	12.86	60	31	48.50	12.78	33.02	22.22	13.87	20.00	15.08	0.65	1.97	2.78	42.22	57.78	1	34	5	3	1	3.65	PS					12.86	542.95
L0118	19.45	52	22P	167.71	48.00	22.20	14.00	0.42	0.50	3.61	2.55	0.86	3.00	14.50	65.50	1	19	13	3	1	2.57	PS					19.45	282.03
L0120	2.78	39	31	53.26	16.00	24.71	17.00	6.89	10.00	21.52	5.71	2.35	7.00	27.00	50.00	2	17	20	3	1	2.88	PS					2.78	75.06
L0201	9.23	86	31	59.50	20.00	18.22	13.33	6.47	16.67	7.86	0.00	1.34	2.22	30.00	52.22	8	28	5	3	1	3.19	PS					9.23	276.90
L0202	4.86	86	21	34.08	7.50	17.25	12.50	29.31	50.00	0.00	0.00	2.09	2.50	62.50	72.50	1	15	4	3	1	4.19	PS			4.86	303.75		
L0203	7.39	86	31	45.22	11.43	27.69	20.00	13.87	18.57	0.00	0.00	0.00	0.00	38.57	50.00	1	34	0	3	1	4.01	PS					7.39	285.03
L0204	94.19	86	21	7.01	2.35	9.13	7.06	19.00	30.59	4.06	1.74	2.31	5.88	37.65	45.88	1	21	13	3	1	4.28	PS					94.19	3,546.25
L0205	25.06	86	31	31.93	10.00	12.40	8.46	6.35	10.77	15.21	5.68	0.72	4.62	19.23	33.85	8	18	25	3	1	2.90	PS					25.06	481.90
L0208	0.69	44	13	17.08	6.67	14.08	10.00	3.26	3.33	37.54	4.46	0.00	3.33	13.33	23.33	5	10	20	3	1	2.36	PS					0.69	9.20
L0305	12.02	43	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	2.70	PS					12.02	336.56
L0305	2.26	43	31	41.20	12.50	22.67	17.50	7.30	10.50	32.32	7.25	2.24	9.50	28.00	50.00	7	17	24	3	1	2.70	PS					0.00	0.00
L0310	14.95	82	31	7.16	2.50	17.35	13.13	20.94	38.75	7.98	6.70	1.66	6.88	51.88	61.25	8	26	18	3	1	3.99	PS			0.00	0.00		
L0312	1.78	60	42**	16.14	4.50	7.35	5.50	9.49	20.00	19.77	10.59	5.89	18.00	25.50	48.00	7	22	49	3	1	3.53	PS					0.00	0.00
L0315	21.52	82	13	16.01	5.00	5.42	3.89	10.99	19.44	9.97	9.00	8.39	17.22	23.33	45.56	2	21	51	3	1	3.74	PS					0.00	0.00
L0401	0.35	44	31S	59.75	15.00	22.36	15.00	5.53	7.50	16.51	0.00	0.00	0.00	22.50	37.50	1	20	0	3	1	2.95	PS					0.35	7.88
O1237	2.03	49	31	16.19	4.50	8.36	6.00	10.79	17.50	5.76	1.59	0.30	1.50	23.50	29.50	1	28	9	3	1	3.46	PS					2.03	47.71
O1339	5.94	49	31	25.03	6.67	10.56	7.22	9.15	14.44	6.91	0.72	1.56	3.33	21.67	31.67	1	36	10	3	1	3.41	PS					5.94	128.72
pp104*	6.82	7	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	PS					0.00	0.00
pp690*	1.27	4	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.27	0.00
	245.45																						**0.00**	**0.00**	**4.86**	**303.75**	**193.26**	**6,020.19**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
L0104	2009	n/a	Off-road Drivers Training					2.06	86.97
L0118	2009	n/a	Off-road Drivers Training					1.43	20.74
L0120	2009	n/a	Off-road Drivers Training					0.55	14.85
L0201	2009	n/a	Off-road Drivers Training					2.64	79.20
L0203	2009	n/a	Off-road Drivers Training					7.38	284.65
L0204	2009	n/a	Off-road Drivers Training					79.92	3,008.99
L0205	2009	n/a	Off-road Drivers Training					17.47	335.95
L0208	2009	n/a	Off-road Drivers Training					0.69	9.20
L0401	2009	n/a	Off-road Drivers Training					0.35	7.88
O1237	2009	n/a	Off-road Drivers Training					0.05	1.18
pp690*	2009	n/a	Off-road Drivers Training					1.27	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**113.81**	**3,849.61**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**4.86**	**303.75**
Future Potential Habitat	**79.45**	**2,170.58**
SUB-TOTAL	**84.31**	**2,474.33**
non-contiguous habitat	**-10.57**	**-250.42**
TOTAL	**73.74**	**2,223.91**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
22P = Slash Pine Plantation
31 = Loblolly Pine
31S = Loblolly Pine Scrub Oak
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Stands L0120, L0204 and L0205 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table F-115. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O03-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
N0101	5.17	74	21	9.55	3.50	8.65	6.00	13.65	23.50	1.43	1.27	0.78	2.00	29.50	35.00	5	28	8	3	1	0					5.17	152.52
N0107	2.04	62	21	13.22	4.44	14.33	11.11	11.60	22.22	5.47	2.08	1.60	4.44	33.33	42.22	2	39	12	3	1	0	2.04	67.99				
N0109	8.03	62	22P	2.63	1.11	31.35	22.22	12.58	17.78	2.36	5.16	0.00	3.33	40.00	44.44	2	41	11	3	1	0	8.03	321.20				
O0301	44.47	79	26	7.97	2.00	12.80	9.50	20.61	30.00	2.82	0.00	0.45	0.50	39.50	42.00	1	33	1	3	1	0	44.47	1,756.57				
O0301	0.01	79	26	7.97	2.00	12.80	9.50	20.61	30.00	2.82	0.00	0.45	0.50	39.50	42.00	1	33	1	3	1	0	0.01	0.40				
O0303	40.58	93	21	14.69	4.50	12.74	9.50	16.77	26.50	10.95	0.00	0.00	0.00	36.00	40.50	1	35	0	3	1	0	40.58	1,460.88				
O0305	0.75	45	31	32.21	9.00	26.95	19.50	17.47	26.00	17.14	2.81	0.77	3.50	45.50	58.00	1	28	7	3	1	1	0.75	34.13				
O0306	11.72	46	22P	43.22	14.50	24.51	17.00	9.91	12.50	5.94	0.00	0.00	0.00	29.50	44.00	5	30	0	3	1	0					11.72	345.74
O0306	0.01	46	22P	43.22	14.50	24.51	17.00	9.91	12.50	5.94	0.00	0.00	0.00	29.50	44.00	5	30	0	3	1	0					0.01	0.30
O0513	4.44	65	31	45.34	14.00	31.36	21.00	20.67	30.50	9.77	0.00	0.83	1.00	51.50	66.50	1	22	2	3	1	1	4.44	228.66				
O0527	10.73	65	31	29.99	7.50	4.99	3.50	4.63	8.00	5.02	1.83	1.06	2.50	11.50	21.50	1	27	23	3	1	0					10.73	123.40
O0529	15.24	65	21	8.87	2.63	21.83	14.74	20.40	34.74	1.51	1.75	0.32	1.58	49.47	53.68	2	33	5	3	1	1	15.24	753.92				
O0530	0.02	54	21	10.21	2.00	12.76	9.50	17.25	27.50	1.93	0.00	0.00	0.00	37.00	39.00	1	29	0	3	1	0	0.02	0.74				
pp345*	1.75	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.75	0.00
pp376*	6.05	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					6.05	0.00
pp697*	0.30	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.30	0.00
pp810*	4.27	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.27	0.00
pp811*	0.60	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.60	0.00
	156.18																					**115.58**	**4,624.49**	**0.00**	**0.00**	**40.60**	**621.96**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0529	2010	65554	Construct Installation-Wide Roads, Paved	1.06	52.44				
			TOTAL REMOVALS	**1.06**	**52.44**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**114.52**	**4,572.05**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**40.60**	**621.96**
TOTAL	**155.12**	**5,194.01**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-116. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O03-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
N0101	5.17	74	21	9.55	3.50	8.65	6.00	13.65	23.50	1.43	1.27	0.78	2.00	29.50	35.00	5	28	8	3	1	3.85	PS					5.17	152.52
N0107	2.04	62	21	13.22	4.44	14.33	11.11	11.60	22.22	5.47	2.08	1.60	4.44	33.33	42.22	2	39	12	3	1	4.08	PS					2.04	67.99
N0109	8.03	62	22P	2.63	1.11	31.35	22.22	12.58	17.78	2.36	5.16	0.00	3.33	40.00	44.44	2	41	11	3	1	4.09	PS					8.03	321.20
O0301	44.47	79	26	7.97	2.00	12.80	9.50	20.61	30.00	2.82	0.00	0.45	0.50	39.50	42.00	1	33	1	3	1	4.38	PS					44.47	1,756.57
O0301	0.01	79	26	7.97	2.00	12.80	9.50	20.61	30.00	2.82	0.00	0.45	0.50	39.50	42.00	1	33	1	3	1	4.38	PS					0.01	0.40
O0303	40.58	93	21	14.69	4.50	12.74	9.50	16.77	26.50	10.95	0.00	0.00	0.00	36.00	40.50	1	35	0	3	1	4.23	PS					40.58	1,460.88
O0305	0.75	45	31	32.21	9.00	26.95	19.50	17.47	26.00	17.14	2.81	0.77	3.50	45.50	58.00	1	28	7	3	1	3.88	PS					0.75	34.13
O0306	11.72	46	22P	43.22	14.50	24.51	17.00	9.91	12.50	5.94	0.00	0.00	0.00	29.50	44.00	5	30	0	3	1	3.17	PS					11.72	345.74
O0306	0.01	46	22P	43.22	14.50	24.51	17.00	9.91	12.50	5.94	0.00	0.00	0.00	29.50	44.00	5	30	0	3	1	3.17	PS					0.01	0.30
O0513	4.44	65	31	45.34	14.00	31.36	21.00	20.67	30.50	9.77	0.00	0.83	1.00	51.50	66.50	1	22	2	3	1	4.25	PS			4.44	228.66		
O0527	10.73	65	31	29.99	7.50	4.99	3.50	4.63	8.00	5.02	1.83	1.06	2.50	11.50	21.50	1	27	23	3	1	3.08	PS					10.73	123.40
O0529	15.24	65	21	8.87	2.63	21.83	14.74	20.40	34.74	1.51	1.75	0.32	1.58	49.47	53.68	2	33	5	3	1	4.43	PS			15.24	753.92		
O0530	0.02	54	21	10.21	2.00	12.76	9.50	17.25	27.50	1.93	0.00	0.00	0.00	37.00	39.00	1	29	0	3	1	3.99	PS					0.02	0.74
pp345*	1.75	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.75	0.00
pp376*	6.05	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					6.05	0.00
pp697*	0.30	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.30	0.00
pp810*	4.28	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.28	0.00
pp811*	0.60	2	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.60	0.00
	156.18																						**0.00**	**0.00**	**19.68**	**982.58**	**136.50**	**4,263.87**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0529	2010	65554	Construct Installation-Wide Roads, Paved			1.06	52.44		
			TOTAL REMOVALS	**0.00**	**0.00**	**1.06**	**52.44**	**0.00**	**0.00**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**18.62**	**930.14**
Future Potential Habitat	**136.50**	**4,263.87**
TOTAL	**155.12**	**5,194.01**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-117. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O05-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
N0101	13.89	74	21	9.55	3.50	8.65	6.00	13.65	23.50	1.43	1.27	0.78	2.00	29.50	35.00	5	28	8	3	1	0					13.89	409.76
N0102	0.76	42	21U	5.79	2.50	0.00	0.00	7.16	12.50	24.81	0.00	0.00	0.00	12.50	15.00	4	30	0	3	1	0					0.00	0.00
O0501	44.88	72	31	30.49	10.00	29.91	21.00	18.06	29.00	7.16	0.95	3.43	6.00	50.00	66.00	1	28	8	3	1	1	44.88	2,244.00				
O0505	28.55	48	31	25.96	6.50	15.83	11.50	26.33	44.00	5.22	0.53	0.69	1.50	55.50	63.50	2	42	3	3	1	1	28.55	1,584.53				
O0513	83.05	65	31	45.34	14.00	31.36	21.00	20.67	30.50	9.77	0.00	0.83	1.00	51.50	66.50	1	22	2	3	1	1	83.05	4,277.08				
O0514	45.00	48	21	13.30	4.29	31.87	24.29	17.51	23.33	0.00	0.58	0.00	0.48	47.62	52.38	1	37	1	3	1	1	45.00	2,142.90				
O0515	6.29	48	22P	123.62	35.00	79.19	53.75	13.33	17.50	0.00	0.00	1.15	1.25	71.25	107.50	1	29	1	3	1	0			6.29	448.16		
O0516	3.95	25	31P	61.78	17.65	42.53	30.59	16.52	20.59	2.42	0.76	0.00	0.59	51.18	69.41	1	25	1	3	1	0					3.95	202.16
O0519	2.05	52	31	205.40	58.00	56.10	40.00	33.74	54.00	0.00	0.00	0.00	0.00	94.00	152.00	1	28	0	3	1	0			2.05	192.70		
O0529	16.98	65	21	8.87	2.63	21.83	14.74	20.40	34.74	1.51	1.75	0.32	1.58	49.47	53.68	2	33	5	3	1	1	16.98	840.00				
pp344*	2.92	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.92	0.00
pp697*	2.76	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.76	0.00
pp810*	13.59	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					13.59	0.00
pp960*	6.87	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					6.87	0.00
	271.54																					**218.46**	**11,088.51**	**8.34**	**640.86**	**43.98**	**611.92**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0514	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2	11.54	549.53				
O0519	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2			0.88	82.72		
			2008 SUB-TOTAL	**11.54**	**549.53**	**0.88**	**82.72**	**0.00**	**0.00**
O0514	2010	65554	Construct Installation-Wide Roads, Paved	3.37	160.48				
O0515	2010	65554	Construct Installation-Wide Roads, Paved			0.67	47.74		
O0516	2010	65554	Construct Installation-Wide Roads, Paved					0.03	1.54
			2010 SUB-TOTAL	**3.37**	**160.48**	**0.67**	**47.74**	**0.03**	**1.54**
			TOTAL REMOVALS	**14.91**	**710.01**	**1.55**	**130.46**	**0.03**	**1.54**

POST-PROJECT	**2008**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**206.92**	**10,538.98**	**203.55**	**10,378.50**
Potentially Suitable Habitat	**7.46**	**558.14**	**6.79**	**510.40**
Future Potential Habitat	**43.98**	**611.92**	**43.95**	**610.38**
TOTAL	**258.36**	**11,709.04**	**254.29**	**11,499.28**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21U = Longleaf Pine Underplanted
22P = Slash Pine Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-118. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O05-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
N0101	13.89	74	21	9.55	3.50	8.65	6.00	13.65	23.50	1.43	1.27	0.78	2.00	29.50	35.00	5	28	8	3	1	3.85	PS					13.89	409.76
N0102	0.76	42	21U	5.79	2.50	0.00	0.00	7.16	12.50	24.81	0.00	0.00	0.00	12.50	15.00	4	30	0	3	1	2.03	PS					0.00	0.00
O0501	44.88	72	31	30.49	10.00	29.91	21.00	18.06	29.00	7.16	0.95	3.43	6.00	50.00	66.00	1	28	8	3	1	4.28	PS			44.88	2,244.00		
O0505	28.55	48	31	25.96	6.50	15.83	11.50	26.33	44.00	5.22	0.53	0.69	1.50	55.50	63.50	2	42	3	3	1	4.20	PS					28.55	1,584.53
O0513	83.05	65	31	45.34	14.00	31.36	21.00	20.67	30.50	9.77	0.00	0.83	1.00	51.50	66.50	1	22	2	3	1	4.25	PS			83.05	4,277.08		
O0514	45.00	48	21	13.30	4.29	31.87	24.29	17.51	23.33	0.00	0.58	0.00	0.48	47.62	52.38	1	37	1	3	1	4.00	PS					45.00	2,142.90
O0515	6.29	48	22P	123.62	35.00	79.19	53.75	13.33	17.50	0.00	0.00	1.15	1.25	71.25	107.50	1	29	1	3	1	2.03	PS					6.29	448.16
O0516	3.95	25	31P	61.78	17.65	42.53	30.59	16.52	20.59	2.42	0.76	0.00	0.59	51.18	69.41	1	25	1	3	1	3.52	NH					3.95	202.16
O0519	2.05	52	31	205.40	58.00	56.10	40.00	33.74	54.00	0.00	0.00	0.00	0.00	94.00	152.00	1	28	0	3	1	4.04	PS					2.05	192.70
O0529	16.98	65	21	8.87	2.63	21.83	14.74	20.40	34.74	1.51	1.75	0.32	1.58	49.47	53.68	2	33	5	3	1	4.43	PS			16.98	840.00		
pp344*	2.92	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.92	0.00
pp697*	2.76	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.76	0.00
pp810*	13.59	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					13.59	0.00
pp960*	6.87	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0						6.87	0.00
	271.54																						**0.00**	**0.00**	**144.91**	**7,361.08**	**125.87**	**4,980.21**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0514	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					11.54	549.53
O0519	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					0.88	82.72
			2008 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**12.42**	**632.25**
O0514	2010	65554	Construct Installation-Wide Roads, Paved					3.37	160.48
O0515	2010	65554	Construct Installation-Wide Roads, Paved					0.67	47.74
O0516	2010	65554	Construct Installation-Wide Roads, Paved					0.03	1.54
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**4.07**	**209.76**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**16.49**	**842.01**

POST-PROJECT	**2008**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**144.91**	**7,361.08**	**144.91**	**7,361.08**
Future Potential Habitat	**113.45**	**4,347.96**	**109.38**	**4,138.20**
TOTAL	**258.36**	**11,709.04**	**254.29**	**11,499.28**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21U = Longleaf Pine Underplanted
22P = Slash Pine Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-119. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O05-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0303	10.39	93	21	14.69	4.50	12.74	9.50	16.77	26.50	10.95	0.00	0.00	0.00	36.00	40.50	1	35	0	3	1	0	10.39	374.04				
O0307	3.12	42	31	37.70	10.50	40.11	29.00	14.93	19.50	0.00	0.00	0.69	1.00	48.50	60.00	1	35	1	3	1	1	3.12	151.32				
O0514	32.96	48	21	13.30	4.29	31.87	24.29	17.51	23.33	0.00	0.58	0.00	0.48	47.62	52.38	1	37	1	3	1	1	32.96	1,569.56				
O0516	11.32	25	31P	61.78	17.65	42.53	30.59	16.52	20.59	2.42	0.76	0.00	0.59	51.18	69.41	1	25	1	3	1	0					11.32	579.36
O0519	1.73	52	31	205.40	58.00	56.10	40.00	33.74	54.00	0.00	0.00	0.00	0.00	94.00	152.00	1	28	0	3	1	0			1.73	162.62		
O0520	10.59	52	31P	97.66	30.00	29.56	19.00	5.05	6.00	0.00	0.00	0.00	0.00	25.00	55.00	1	40	0	3	1	0					10.59	264.75
O0526	8.47	49	21	88.37	27.89	37.94	25.26	6.62	9.47	0.00	0.00	1.34	2.11	34.74	64.74	1	29	3	3	1	0			8.47	294.25		
O0529	12.98	65	21	8.87	2.63	21.83	14.74	20.40	34.74	1.51	1.75	0.32	1.58	49.47	53.68	2	33	5	3	1	1	12.98	642.12				
O0530	16.76	54	21	10.21	2.00	12.76	9.50	17.25	27.50	1.93	0.00	0.00	0.00	37.00	39.00	1	29	0	3	1	0	16.76	620.12				
O0532	6.99	54	26	5.58	1.67	10.77	8.33	21.40	30.00	0.00	0.00	0.00	0.00	38.33	40.00	1	42	0	3	1	0	6.99	267.93				
O0533	4.56	51	21S	38.21	8.75	5.49	3.75	10.51	16.25	19.66	4.87	1.15	3.75	20.00	32.50	4	20	27	3	1	0					4.56	91.20
O0534	15.25	54	21	37.49	10.00	23.10	16.50	14.04	19.50	1.30	2.14	0.41	2.00	36.00	48.00	1	30	6	3	1	0	15.25	549.00				
O0538	0.34	52	31	38.18	12.50	64.35	46.25	4.60	5.00	0.00	0.00	0.00	0.00	51.25	63.75	2	16	0	3	1	1	0.34	17.43				
pp462*	3.60	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.60	0.00
pp537*	0.64	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.64	0.00
pp538*	0.99	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.99	0.00
	140.69																					**98.79**	**4,191.52**	**10.20**	**456.87**	**31.70**	**935.31**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0514	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2	4.87	231.91				
O0514	2008	65036	Rifle/Machinegun Zero Range-Z2	0.07	3.33				
O0516	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					10.75	550.19
O0516	2008	65036	Rifle/Machinegun Zero Range-Z2					0.04	2.05
O0519	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2			1.68	157.92		
O0520	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					4.75	118.75
O0520	2008	65036	Rifle/Machinegun Zero Range-Z2					0.23	5.75
pp538*	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					0.99	0.00
			2008 SUB-TOTAL	**4.94**	**235.24**	**1.68**	**157.92**	**16.76**	**676.74**
O0514	2010	65554	Construct Installation-Wide Roads, Paved	1.49	70.95				
O0529	2010	65554	Construct Installation-Wide Roads, Paved	1.02	50.46				
			2010 SUB-TOTAL	**2.51**	**121.41**	**0.00**	**0.00**	**0.00**	**0.00**
			TOTAL REMOVALS	**7.45**	**356.65**	**1.68**	**157.92**	**16.76**	**676.74**

POST-PROJECT	**2008**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**93.85**	**3,956.28**	**91.34**	**3,834.87**
Potentially Suitable Habitat	**8.52**	**298.95**	**8.47**	**294.25**
Future Potential Habitat	**14.94**	**258.57**	**14.41**	**231.45**
SUB-TOTAL	**117.31**	**4,513.80**	**114.22**	**4,360.57**
non-contiguous habitat	**-0.58**	**-31.82**	**0.00**	**0.00**
TOTAL	**116.73**	**4,481.98**	**114.22**	**4,360.57**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21S = Longleaf Pine Scrub Oak
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands O0516 and O0519 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table F-120. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O05-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0303	10.39	93	21	14.69	4.50	12.74	9.50	16.77	26.50	10.95	0.00	0.00	0.00	36.00	40.50	1	35	0	3	1	4.23	PS					10.39	374.04
O0307	3.12	42	31	37.70	10.50	40.11	29.00	14.93	19.50	0.00	0.00	0.69	1.00	48.50	60.00	1	35	1	3	1	3.80	PS					3.12	151.32
O0514	32.96	48	21	13.30	4.29	31.87	24.29	17.51	23.33	0.00	0.58	0.00	0.48	47.62	52.38	1	37	1	3	1	4.00	PS					32.96	1,569.56
O0516	11.32	25	31P	61.78	17.65	42.53	30.59	16.52	20.59	2.42	0.76	0.00	0.59	51.18	69.41	1	25	1	3	1	3.52	NH					11.32	579.36
O0519	1.73	52	31	205.40	58.00	56.10	40.00	33.74	54.00	0.00	0.00	0.00	0.00	94.00	152.00	1	28	0	3	1	4.04	PS					1.73	162.62
O0520	10.59	52	31P	97.66	30.00	29.56	19.00	5.05	6.00	0.00	0.00	0.00	0.00	25.00	55.00	1	40	0	3	1	3.22	PS					10.59	264.75
O0526	8.47	49	21	88.37	27.89	37.94	25.26	6.62	9.47	0.00	0.00	1.34	2.11	34.74	64.74	1	29	3	3	1	3.00	PS					8.47	294.25
O0529	12.98	65	21	8.87	2.63	21.83	14.74	20.40	34.74	1.51	1.75	0.32	1.58	49.47	53.68	2	33	5	3	1	4.43	PS			12.98	642.12		
O0530	16.76	54	21	10.21	2.00	12.76	9.50	17.25	27.50	1.93	0.00	0.00	0.00	37.00	39.00	1	29	0	3	1	3.99	PS					16.76	620.12
O0532	6.99	54	26	5.58	1.67	10.77	8.33	21.40	30.00	0.00	0.00	0.00	0.00	38.33	40.00	1	42	0	3	1	4.34	PS					6.99	267.93
O0533	4.56	51	21S	38.21	8.75	5.49	3.75	10.51	16.25	19.66	4.87	1.15	3.75	20.00	32.50	4	20	27	3	1	3.44	PS					4.56	91.20
O0534	15.25	54	21	37.49	10.00	23.10	16.50	14.04	19.50	1.30	2.14	0.41	2.00	36.00	48.00	1	30	6	3	1	3.89	PS					15.25	549.00
O0538	0.34	52	31	38.18	12.50	64.35	46.25	4.60	5.00	0.00	0.00	0.00	0.00	51.25	63.75	2	16	0	3	1	2.93	PS					0.34	17.43
pp462*	3.60	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.60	0.00
pp537*	0.64	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.64	0.00
pp538*	0.99	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.99	0.00
	140.69																						**0.00**	**0.00**	**12.98**	**642.12**	**127.71**	**4,941.58**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0514	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					4.87	231.91
O0514	2008	65036	Rifle/Machinegun Zero Range-Z2					0.07	3.33
O0516	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					10.75	550.19
O0516	2008	65036	Rifle/Machinegun Zero Range-Z2					0.04	2.05
O0519	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					1.68	157.92
O0520	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					4.75	118.75
O0520	2008	65036	Rifle/Machinegun Zero Range-Z2					0.23	5.75
pp538*	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					0.99	0.00
			2008 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**23.38**	**1,069.90**
O0514	2010	65554	Construct Installation-Wide Roads, Paved					1.49	70.95
O0529	2010	65554	Construct Installation-Wide Roads, Paved			1.02	50.46		
			2010 SUB-TOTAL	**0.00**	**0.00**	**1.02**	**50.46**	**1.49**	**70.95**
			TOTAL REMOVALS	**0.00**	**0.00**	**1.02**	**50.46**	**24.87**	**1,140.85**

POST-PROJECT	**2008**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**12.98**	**642.12**	**11.96**	**591.66**
Future Potential Habitat	**104.33**	**3,871.68**	**102.26**	**3,768.91**
SUB-TOTAL	**117.31**	**4,513.80**	**114.22**	**4,360.57**
non-contiguous habitat	**-0.58**	**-31.82**	**0.00**	**0.00**
TOTAL	**116.73**	**4,481.98**	**114.22**	**4,360.57**

Key:

BA= basal area

hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21S = Longleaf Pine Scrub Oak
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Suitability
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands O0516 and O0519 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table F-121. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O05-03R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0511	6.95	51	10	30.95	8.89	30.71	22.78	8.80	11.67	19.45	6.78	1.26	6.67	34.44	50.00	3	13	17	3	1	0	6.95	239.36				
O0516	5.26	25	31P	61.78	17.65	42.53	30.59	16.52	20.59	2.42	0.76	0.00	0.59	51.18	69.41	1	25	1	3	1	0					0.00	0.00
O0517	5.22	31	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					5.22	0.00
O0518	43.33	45	31	11.97	4.00	25.04	19.00	16.30	22.50	22.74	1.59	0.84	2.00	41.50	47.50	1	17	6	3	1	1	43.33	1,798.20				
O0523	2.87	81	31	204.92	50.00	51.33	40.00	10.14	15.00	0.00	0.00	0.00	0.00	55.00	105.00	1	15	0	3	1	0			2.87	157.85		
O0524	22.50	81	22P	8.99	3.50	15.26	11.50	13.52	18.00	20.96	3.08	0.92	3.50	29.50	36.50	1	29	12	3	1	0					22.50	663.75
O0525	74.08	81	25	15.63	6.00	19.61	14.50	22.61	33.50	4.05	3.35	0.29	3.00	48.00	57.00	1	39	8	3	1	1	74.08	3,555.84				
O0526	8.53	49	21	88.37	27.89	37.94	25.26	6.62	9.47	0.00	0.00	1.34	2.11	34.74	64.74	1	29	3	3	1	0			8.53	296.33		
O0533	4.40	51	21S	38.21	8.75	5.49	3.75	10.51	16.25	19.66	4.87	1.15	3.75	20.00	32.50	4	20	27	3	1	0					4.40	88.00
O0536	39.81	42	21	26.40	8.50	35.63	27.00	9.89	13.00	4.23	2.75	1.07	3.50	40.00	52.00	1	36	8	3	1	1	39.81	1,592.40				
O0539	16.14	42	21	29.39	9.00	15.43	11.50	13.62	19.50	13.46	5.50	0.95	5.00	31.00	45.00	1	28	18	3	1	0	16.14	500.34				
O0546	2.60	51	31	85.09	27.00	29.98	20.50	3.79	5.00	2.24	3.17	0.46	3.00	25.50	55.50	5	24	10	3	1	0					2.60	66.30
O0612	0.03	68	31	0.00	0.00	11.37	10.00	9.99	20.00	0.00	0.00	0.00	0.00	30.00	30.00	1	50	0	3	1	0	0.00	0.00				
O0636	0.89	57	25	26.58	6.50	10.16	7.00	10.79	16.00	56.55	10.26	5.97	16.00	23.00	45.50	6	14	44	3	1	0					0.00	0.00
pp462	5.43	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.43	0.00
pp538	0.13	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp627	4.74	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp957	3.77	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.77	0.00
	246.68																					**180.31**	**7,686.14**	**11.40**	**454.18**	**43.92**	**818.05**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0511	2007	65032	Fire and Movement Range (FM1)	0.94	32.37				
O0511	2007	65032	Beaten Area for Fire and Movement Range (FM1)	0.80	27.55				
O0518	2007	65032	Beaten Area for Fire and Movement Range (FM1)	9.48	393.42				
O0525	2007	65032	Beaten Area for Fire and Movement Range (FM1)	0.08	3.84				
O0546	2007	65032	Fire and Movement Range (FM1)					0.01	0.25
O0546	2007	65032	Beaten Area for Fire and Movement Range (FM1)					2.59	66.05
			2007 SUB-TOTAL	**11.30**	**457.18**	**0.00**	**0.00**	**2.60**	**66.30**
O0511	2008	65035	Beaten Area for Rifle/Machinegun Zero Range-Z1	4.74	163.25				
O0518	2008	65035	Beaten Area for Rifle/Machinegun Zero Range-Z1	7.73	320.80				
O0524	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					0.14	4.13
O0525	2008	65035	Beaten Area for Rifle/Machinegun Zero Range-Z1	1.81	86.88				
O0526	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2			1.84	63.92		
			2008 SUB-TOTAL	**14.28**	**570.93**	**1.84**	**63.92**	**0.14**	**4.13**
			TOTAL REMOVALS	**25.58**	**1,028.11**	**1.84**	**63.92**	**2.74**	**70.43**

POST-PROJECT	**2007**		**2008**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**169.01**	**7,228.96**	**154.73**	**6,658.03**
Potentially Suitable Habitat	**11.40**	**454.18**	**9.56**	**390.26**
Future Potential Habitat	**41.32**	**751.75**	**41.18**	**747.62**
TOTAL	**221.73**	**8,434.89**	**205.47**	**7,795.91**

Key:

dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

1=non-growing season
2=growing season

0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21S = Longleaf Pine Scrub Oak
22P = Slash Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
31P = Loblolly Pine Plantation
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-122. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O05-03R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0511	6.95	51	10	30.95	8.89	30.71	22.78	8.80	11.67	19.45	6.78	1.26	6.67	34.44	50.00	3	13	17	3	1	3.28	PS					6.95	239.36
O0516	5.26	25	31P	61.78	17.65	42.53	30.59	16.52	20.59	2.42	0.76	0.00	0.59	51.18	69.41	1	25	1	3	1	3.52	NH					0.00	0.00
O0517	5.22	31	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.89	PS					5.22	0.00
O0518	43.33	45	31	11.97	4.00	25.04	19.00	16.30	22.50	22.74	1.59	0.84	2.00	41.50	47.50	1	17	6	3	1	3.80	PS					43.33	1,798.20
O0523	2.87	81	31	204.92	50.00	51.33	40.00	10.14	15.00	0.00	0.00	0.00	0.00	55.00	105.00	1	15	0	3	1	3.64	PS					2.87	157.85
O0524	22.50	81	22P	8.99	3.50	15.26	11.50	13.52	18.00	20.96	3.08	0.92	3.50	29.50	36.50	1	29	12	3	1	3.94	PS					22.50	663.75
O0525	74.08	81	25	15.63	6.00	19.61	14.50	22.61	33.50	4.05	3.35	0.29	3.00	48.00	57.00	1	39	8	3	1	4.43	PS			74.08	3,555.84		
O0526	8.53	49	21	88.37	27.89	37.94	25.26	6.62	9.47	0.00	0.00	1.34	2.11	34.74	64.74	1	29	3	3	1	3.00	PS					8.53	296.33
O0533	4.40	51	21S	38.21	8.75	5.49	3.75	10.51	16.25	19.66	4.87	1.15	3.75	20.00	32.50	4	20	27	3	1	3.44	PS					4.40	88.00
O0536	39.81	42	21	26.40	8.50	35.63	27.00	9.89	13.00	4.23	2.75	1.07	3.50	40.00	52.00	1	36	8	3	1	3.55	PS					39.81	1,592.40
O0539	16.14	42	21	29.39	9.00	15.43	11.50	13.62	19.50	13.46	5.50	0.95	5.00	31.00	45.00	1	28	18	3	1	3.63	PS					16.14	500.34
O0546	2.60	51	31	85.09	27.00	29.98	20.50	3.79	5.00	2.24	3.17	0.46	3.00	25.50	55.50	5	24	10	3	1	2.66	PS					2.60	66.30
O0612	0.03	68	31	0.00	0.00	11.37	10.00	9.99	20.00	0.00	0.00	0.00	0.00	30.00	30.00	1	50	0	3	1	4.13	PS					0.00	0.00
O0636	0.89	57	25	26.58	6.50	10.16	7.00	10.79	16.00	56.55	10.26	5.97	16.00	23.00	45.50	6	14	44	3	1	3.24	PS					0.00	0.00
pp462	5.43	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					5.43	0.00
pp538	0.13	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp627	4.74	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp957	3.77	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.77	0.00
	246.68																						**0.00**	**0.00**	**74.08**	**3,555.84**	**161.55**	**5,402.53**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0511	2007	65032	Fire and Movement Range (FM1)					0.94	32.37
O0511	2007	65032	Beaten Area for Fire and Movement Range (FM1)					0.80	27.55
O0518	2007	65032	Beaten Area for Fire and Movement Range (FM1)					9.48	393.42
O0525	2007	65032	Beaten Area for Fire and Movement Range (FM1)			0.08	3.84		
O0546	2007	65032	Fire and Movement Range (FM1)					0.01	0.25
O0546	2007	65032	Beaten Area for Fire and Movement Range (FM1)					2.59	66.05
			2007 SUB-TOTAL	**0.00**	**0.00**	**0.08**	**3.84**	**13.82**	**519.64**
O0511	2008	65035	Beaten Area for Rifle/Machinegun Zero Range-Z1					4.74	163.25
O0518	2008	65035	Beaten Area for Rifle/Machinegun Zero Range-Z1					7.73	320.80
O0524	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					0.14	4.13
O0525	2008	65035	Beaten Area for Rifle/Machinegun Zero Range-Z1			1.81	86.88		
O0526	2008	65036	Beaten Area for Rifle/Machinegun Zero Range-Z2					1.84	63.92
			2008 SUB-TOTAL	**0.00**	**0.00**	**1.81**	**86.88**	**14.45**	**552.10**
			TOTAL REMOVALS	**0.00**	**0.00**	**1.89**	**90.72**	**28.27**	**1071.74**

POST-PROJECT	**2007**		**2008**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**74.00**	**3,552.00**	**72.19**	**3,465.12**
Future Potential Habitat	**147.73**	**4,882.89**	**133.28**	**4,330.79**
TOTAL	**221.73**	**8,434.89**	**205.47**	**7,795.91**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
21S = Longleaf Pine Scrub Oak
22P = Slash Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
31P = Loblolly Pine Plantation
ND = No data provided

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-123. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O07-03R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0304	0.47	43	22P	18.24	7.00	53.86	38.50	14.51	19.00	2.69	1.19	0.69	2.00	57.50	66.50	1	27	3	3	1	1	0.47	27.03				
K0401	7.41	58	21	18.49	5.00	7.40	5.00	9.46	15.50	1.11	9.44	4.64	12.50	20.50	38.00	1	21	46	3	1	0					7.41	151.91
K0407	27.98	44	31	36.69	11.50	23.54	15.50	13.56	20.50	1.36	1.71	0.00	1.00	36.00	48.50	2	24	4	3	1	0	27.98	1,007.28				
K0409	0.32	43	31	100.72	29.47	53.88	36.84	9.95	11.58	1.86	0.55	0.47	1.05	48.42	78.95	1	32	2	3	1	0			0.32	15.49		
K0411	0.48	44	26S	19.27	6.50	16.93	12.00	4.87	6.00	49.86	6.22	1.31	6.50	18.00	31.00	7	10	26	3	1	0					0.48	8.64
O0734	2.30	20	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					2.30	0.00
O0742	16.02	61	25	24.90	10.00	18.38	12.86	10.35	14.76	5.48	2.76	2.26	5.24	27.62	42.86	6	18	15	3	1	0					16.02	442.47
O0743	59.13	63	31	16.60	5.00	19.94	14.50	12.81	18.50	3.82	6.66	0.45	5.00	33.00	43.00	6	23	18	3	1	0			59.13	1,951.29		
O0744	23.97	58	31	11.74	4.00	17.52	11.50	9.10	15.00	5.97	3.00	2.77	6.50	26.50	37.00	2	35	18	3	1	0					23.97	635.21
O0748	40.05	48	31	20.36	6.50	25.05	17.50	8.69	12.00	13.50	2.61	0.34	2.00	29.50	38.00	6	19	8	3	1	0					40.05	1,181.48
O0753	3.44	71	31	6.79	2.50	6.11	5.00	14.67	25.63	3.94	4.14	1.98	5.63	30.63	38.75	8	34	23	3	1	0			3.44	105.37		
O0754	23.99	52	31	10.13	4.00	32.60	22.50	10.28	13.50	2.47	0.66	0.00	0.50	36.00	40.50	2	41	2	3	1	0	23.99	863.64				
O0756	15.35	48	31P	20.12	6.00	20.49	16.50	27.44	37.50	1.27	0.97	0.00	0.50	54.00	60.50	1	30	2	3	1	1	15.35	828.90				
O0761	7.02	68	31	9.56	3.16	7.30	5.26	12.04	20.00	4.07	1.68	3.38	6.32	25.26	34.74	8	40	21	3	1	0					7.02	177.33
O0763	5.95	46	31	45.66	12.00	12.89	8.00	12.05	20.00	0.00	3.82	0.00	2.00	28.00	42.00	1	38	13	3	1	0					5.95	166.60
O0906	2.85	50	31	40.34	13.53	31.51	21.18	8.96	12.35	4.30	3.06	1.10	4.12	33.53	51.18	1	22	9	3	1	0	2.85	95.56				
pp274*	0.60	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.60	0.00
pp355*	4.12	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.12	0.00
pp356*	0.16	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.16	0.00
pp748*	7.89	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					7.89	0.00
pp955*	3.22	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.22	0.00
	252.72																					**70.64**	**2,822.41**	**62.89**	**2,072.15**	**119.19**	**2,763.64**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0411	2011	65070	Multi-Purpose Machine Gun Range-MPMG3					0.48	8.64
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**0.48**	**8.64**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	70.64	**2,822.41**
Potentially Suitable Habitat	**62.89**	**2,072.15**
Future Potential Habitat	**118.71**	**2,755.00**
SUB-TOTAL	**252.24**	**7,649.56**
TOTAL		

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
25 = Mixed Pine
26S = Mixed Pine-Longleaf Scrub Oak
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Stand Score
0=Unsuitable
1=Suitable

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Table F-124. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster O07-03R, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0304	0.47	43	22P	18.24	7.00	53.86	38.50	14.51	19.00	2.69	1.19	0.69	2.00	57.50	66.50	1	27	3	3	1	3.76	PS					0.47	27.03
K0401	7.41	58	21	18.49	5.00	7.40	5.00	9.46	15.50	1.11	9.44	4.64	12.50	20.50	38.00	1	21	46	3	1	3.60	PS					7.41	151.91
K0407	27.98	44	31	36.69	11.50	23.54	15.50	13.56	20.50	1.36	1.71	0.00	1.00	36.00	48.50	2	24	4	3	1	3.79	PS					27.98	1,007.28
K0409	0.32	43	31	100.72	29.47	53.88	36.84	9.95	11.58	1.86	0.55	0.47	1.05	48.42	78.95	1	32	2	3	1	3.45	PS					0.32	15.49
K0411	0.48	44	26S	19.27	6.50	16.93	12.00	4.87	6.00	49.86	6.22	1.31	6.50	18.00	31.00	7	10	26	3	1	2.38	PS					0.48	8.64
O0734	2.30	20	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					2.30	0.00
O0742	16.02	61	25	24.90	10.00	18.38	12.86	10.35	14.76	5.48	2.76	2.26	5.24	27.62	42.86	6	18	15	3	1	3.21	PS					16.02	442.47
O0743	59.13	63	31	16.60	5.00	19.94	14.50	12.81	18.50	3.82	6.66	0.45	5.00	33.00	43.00	6	23	18	3	1	3.61	PS					59.13	1,951.29
O0744	23.97	58	31	11.74	4.00	17.52	11.50	9.10	15.00	5.97	3.00	2.77	6.50	26.50	37.00	2	35	18	3	1	3.70	PS					23.97	635.21
O0748	40.05	48	31	20.36	6.50	25.05	17.50	8.69	12.00	13.50	2.61	0.34	2.00	29.50	38.00	6	19	8	3	1	2.88	PS					40.05	1,181.48
O0753	3.44	71	31	6.79	2.50	6.11	5.00	14.67	25.63	3.94	4.14	1.98	5.63	30.63	38.75	8	34	23	3	1	3.84	PS					3.44	105.37
O0754	23.99	52	31	10.13	4.00	32.60	22.50	10.28	13.50	2.47	0.66	0.00	0.50	36.00	40.50	2	41	2	3	1	3.76	PS					23.99	863.64
O0756	15.35	48	31P	20.12	6.00	20.49	16.50	27.44	37.50	1.27	0.97	0.00	0.50	54.00	60.50	1	30	2	3	1	4.14	PS					15.35	828.90
O0761	7.02	68	31	9.56	3.16	7.30	5.26	12.04	20.00	4.07	1.68	3.38	6.32	25.26	34.74	8	40	21	3	1	3.73	PS					7.02	177.33
O0763	5.95	46	31	45.66	12.00	12.89	8.00	12.05	20.00	0.00	3.82	0.00	2.00	28.00	42.00	1	38	13	3	1	3.67	PS					5.95	166.60
O0906	2.85	50	31	40.34	13.53	31.51	21.18	8.96	12.35	4.30	3.06	1.10	4.12	33.53	51.18	1	22	9	3	1	3.18	PS					2.85	95.56
pp274*	0.60	9	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.60	0.00
pp355*	4.12	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.12	0.00
pp356*	0.16	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.16	0.00
pp748*	7.89	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					7.89	0.00
pp955*	3.22	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.22	0.00
	252.72																						**0.00**	**0.00**	**0.00**	**0.00**	**252.72**	**7,658.20**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0411	2011	65070	Multi-Purpose Machine Gun Range-MPMG3					0.48	8.64
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**0.48**	**8.64**

POST-PROJECT	**2011**	
	Acres	**BA**
Suitable Habitat	0.00	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**252.24**	**7,649.56**
SUB-TOTAL	**252.24**	**7,649.56**
TOTAL		

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
25 = Mixed Pine
26S = Mixed Pine-Longleaf Scrub Oak
31 = Loblolly Pine
31P = Loblolly Pine Plantation

* **Note:** No pine data was taken for pine plantation stands less than 30 years old.

Table F-125. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O08-03R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0743	5.75	63	31	16.60	5.00	19.94	14.50	12.81	18.50	3.82	6.66	0.45	5.00	33.00	43.00	6	23	18	3	1	0			0.00	0.00		
O0749	1.67	85	31	22.29	6.36	11.47	9.09	4.98	9.09	7.88	1.35	1.38	3.64	18.18	28.18	7	35	14	3	1	0					0.00	0.00
O0752	50.51	71	21	8.80	3.00	9.69	6.50	11.85	18.50	6.36	0.00	0.00	0.00	25.00	28.00	2	40	0	3	1	0					50.51	1,262.75
O0753	7.83	71	31	6.79	2.50	6.11	5.00	14.67	25.63	3.94	4.14	1.98	5.63	30.63	38.75	8	34	23	3	1	0			7.83	239.83		
O0760	19.46	50	31	31.15	8.00	14.48	10.00	12.15	16.50	12.07	0.63	2.13	4.50	26.50	39.00	1	35	9	3	1	0					19.46	515.69
O0761	24.31	68	31	9.56	3.16	7.30	5.26	12.04	20.00	4.07	1.68	3.38	6.32	25.26	34.74	8	40	21	3	1	0					24.31	614.07
O0901	7.24	46	31	56.65	16.00	26.28	18.00	8.53	11.50	6.05	5.73	1.65	6.50	29.50	52.00	6	29	17	3	1	0					7.24	213.58
O0904	12.36	47	31	54.00	17.00	19.96	14.00	8.68	11.50	12.99	7.55	0.93	7.00	25.50	49.50	7	27	23	3	1	0					12.36	315.18
O0909	1.31	41	31	101.29	26.00	29.87	20.00	7.49	10.00	15.30	2.02	0.76	2.50	30.00	58.50	2	23	7	3	1	0			1.31	39.30		
pp356*	19.98	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					19.98	0.00
pp749*	1.96	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp923*	3.83	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.83	0.00
	156.21																					**0.00**	**0.00**	**9.14**	**279.13**	**137.69**	**2,921.27**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0760	2007	65382	Beaten Area					1.01	26.77
O0901	2007	65382	Beaten Area					5.16	152.22
O0904	2007	65382	Beaten Area					9.29	236.90
O0909	2007	65382	Beaten Area			1.31	39.30		
pp356*	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					0.05	0.00
pp356*	2007	65382	Beaten Area					2.20	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**1.31**	**39.30**	**17.71**	**415.89**

POST-PROJECT	**2007**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**7.83**	**239.83**
Future Potential Habitat	**119.98**	**2,505.38**
TOTAL	**127.81**	**2,745.21**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21P = Longleaf Pine Plantation
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-126. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O08-03R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0743	5.75	63	31	16.60	5.00	19.94	14.50	12.81	18.50	3.82	6.66	0.45	5.00	33.00	43.00	6	23	18	3	1	3.61	PS					0.00	0.00
O0749	1.67	85	31	22.29	6.36	11.47	9.09	4.98	9.09	7.88	1.35	1.38	3.64	18.18	28.18	7	35	14	3	1	2.85	PS					0.00	0.00
O0752	50.51	71	21	8.80	3.00	9.69	6.50	11.85	18.50	6.36	0.00	0.00	0.00	25.00	28.00	2	40	0	3	1	3.94	PS					50.51	1,262.75
O0753	7.83	71	31	6.79	2.50	6.11	5.00	14.67	25.63	3.94	4.14	1.98	5.63	30.63	38.75	8	34	23	3	1	3.84	PS					7.83	239.83
O0760	19.46	50	31	31.15	8.00	14.48	10.00	12.15	16.50	12.07	0.63	2.13	4.50	26.50	39.00	1	35	9	3	1	3.67	PS					19.46	515.69
O0761	24.31	68	31	9.56	3.16	7.30	5.26	12.04	20.00	4.07	1.68	3.38	6.32	25.26	34.74	8	40	21	3	1	3.73	PS					24.31	614.07
O0901	7.24	46	31	56.65	16.00	26.28	18.00	8.53	11.50	6.05	5.73	1.65	6.50	29.50	52.00	6	29	17	3	1	2.89	PS					7.24	213.58
O0904	12.36	47	31	54.00	17.00	19.96	14.00	8.68	11.50	12.99	7.55	0.93	7.00	25.50	49.50	7	27	23	3	1	2.72	PS					12.36	315.18
O0909	1.31	41	31	101.29	26.00	29.87	20.00	7.49	10.00	15.30	2.02	0.76	2.50	30.00	58.50	2	23	7	3	1	3.09	PS					1.31	39.30
pp356*	19.98	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					19.98	0.00
pp749*	1.96	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp923*	3.83	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.83	0.00
	156.21																						**0.00**	**0.00**	**0.00**	**0.00**	**146.83**	**3,200.40**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0760	2007	65382	Beaten Area					1.01	26.77
O0901	2007	65382	Beaten Area					5.16	152.22
O0904	2007	65382	Beaten Area					9.29	236.90
O0909	2007	65382	Beaten Area					1.31	39.30
pp356*	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					0.05	0.00
pp356*	2007	65382	Beaten Area					2.20	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**19.02**	**455.19**

POST-PROJECT

	2007 Acres	2007 BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**127.81**	**2,745.21**
TOTAL	**127.81**	**2,745.21**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21P = Longleaf Pine Plantation
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation less than 30 years old.
Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-127. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O09-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0911	39.75	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
O0914	32.76	49	31	64.78	18.13	28.46	19.38	12.79	16.25	18.50	6.38	2.80	7.50	35.63	61.25	2	30	18	3	1	0	32.76	1,167.24				
O0915	1.36	34	57**	51.04	12.00	6.21	4.00	0.37	0.50	24.49	1.83	0.00	1.00	4.50	17.50	1	20	22	3	1	0					0.00	0.00
O0918	36.85	63	21	27.41	7.65	14.93	10.59	12.05	18.24	16.03	3.96	4.89	9.41	28.82	45.88	6	25	25	3	1	0					36.85	1,062.02
O0919	44.39	94	21	28.41	8.50	23.88	16.50	20.05	32.00	0.00	5.59	0.60	5.50	48.50	62.50	2	35	12	3	1	1	44.39	2,152.92				
O0925	28.52	93	21S	17.27	4.50	6.18	5.00	11.05	14.00	11.48	2.26	0.00	1.50	19.00	25.00	6	30	12	3	1	0					28.52	541.88
O0929	6.99	61	21	16.06	4.50	10.84	8.00	11.70	17.50	4.32	1.65	0.00	1.00	25.50	31.00	2	29	7	3	1	0					6.99	178.25
O0931	43.75	96	26	37.01	11.50	25.65	17.50	6.14	8.00	18.33	5.62	2.00	6.50	25.50	43.50	2	47	19	3	1	0					43.75	1,115.63
	234.37																					**77.15**	**3,320.16**	**0.00**	**0.00**	**116.11**	**2,897.78**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0931	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					6.30	160.65
O0931	2009	65383	Beaten Area					6.98	177.99
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**13.28**	**338.64**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	77.15	**3,320.16**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**102.83**	**2,559.14**
TOTAL	**179.98**	**5,879.30**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21S = Longleaf Pine Scrub Oak
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57 **= Scrub Oak (managed for hardwoods)
NM- not managed

Table F-128. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O09-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0911	39.75	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.00	0.00
O0914	32.76	50	31	64.78	18.13	28.46	19.38	12.79	16.25	18.50	6.38	2.80	7.50	35.63	61.25	2	30	18	3	1	3.70	PS					32.76	1,167.24
O0915	1.36	35	57**	51.04	12.00	6.21	4.00	0.37	0.50	24.49	1.83	0.00	1.00	4.50	17.50	1	20	22	3	1	2.37	PS					0.00	0.00
O0918	36.85	64	21	27.41	7.65	14.93	10.59	12.05	18.24	16.03	3.96	4.89	9.41	28.82	45.88	6	25	25	3	1	3.53	PS					36.85	1,062.02
O0919	44.39	95	21	28.41	8.50	23.88	16.50	20.05	32.00	0.00	5.59	0.60	5.50	48.50	62.50	2	35	12	3	1	4.41	PS			44.39	2,152.92		
O0925	28.52	94	21S	17.27	4.50	6.18	5.00	11.05	14.00	11.48	2.26	0.00	1.50	19.00	25.00	6	30	12	3	1	3.42	PS					28.52	541.88
O0929	6.99	62	21	16.06	4.50	10.84	8.00	11.70	17.50	4.32	1.65	0.00	1.00	25.50	31.00	2	29	7	3	1	3.74	PS					6.99	178.25
O0931	43.75	97	26	37.01	11.50	25.65	17.50	6.14	8.00	18.33	5.62	2.00	6.50	25.50	43.50	2	47	19	3	1	3.44	PS					43.75	1,115.63
	234.37																						**0.00**	**0.00**	**44.39**	**2,152.92**	**148.87**	**4,065.02**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0931	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					6.30	160.65
O0931	2009	65383	Beaten Area					6.98	177.99
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**13.28**	**338.64**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	0.00	**0.00**
Potentially Suitable Habitat	**44.39**	**2,152.92**
Future Potential Habitat	**135.59**	**3,726.38**
TOTAL	**179.98**	**5,879.30**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
21 = Longleaf Pine
21S = Longleaf Pine Scrub Oak
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57 **= Scrub Oak (managed for hardwoods)
NM - not managed

Table F-129. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O09-04R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0304	4.62	43	22P	18.24	7.00	53.86	38.50	14.51	19.00	2.69	1.19	0.69	2.00	57.50	66.50	1	27	3	3	1	1	4.62	265.65				
O0904	0.05	47	31	54.00	17.00	19.96	14.00	8.68	11.50	12.99	7.55	0.93	7.00	25.50	49.50	7	27	23	3	1	0					0.05	1.28
O0906	26.43	50	31	40.34	13.53	31.51	21.18	8.96	12.35	4.30	3.06	1.10	4.12	33.53	51.18	1	22	9	3	1	0	26.43	886.20				
O0907	14.27	45	31	35.13	11.00	20.00	15.00	14.08	19.50	3.67	0.65	0.37	1.50	34.50	47.00	5	29	3	3	1	0			14.27	492.32		
O0909	39.42	41	31	101.29	26.00	29.87	20.00	7.49	10.00	15.30	2.02	0.76	2.50	30.00	58.50	2	23	7	3	1	0			39.42	1,182.60		
O0910	80.30	94	21	11.45	3.50	6.87	5.00	22.85	35.00	19.02	3.71	1.99	6.00	40.00	49.50	1	33	16	3	1	1	80.30	3,212.00				
O0911	10.62	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					10.62	0.00
O0912	5.67	45	22P	3.43	1.50	24.34	19.00	29.00	38.00	0.00	0.00	0.00	0.00	57.00	58.50	1	50	0	3	1	1	5.67	323.19				
O0914	0.23	50	31	64.78	18.13	28.46	19.38	12.79	16.25	18.50	6.38	2.80	7.50	35.63	61.25	2	30	18	3	1	0	0.23	8.19				
O0915	16.32	35	57**	51.04	12.00	6.21	4.00	0.37	0.50	24.49	1.83	0.00	1.00	4.50	17.50	1	20	22	3	1	0					0.00	0.00
O0917	1.12	71	26	43.56	11.50	29.53	21.50	18.48	28.00	13.92	3.20	1.68	4.50	49.50	65.50	1	21	9	3	1	1	1.12	55.44				
pp356*	25.08	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					25.08	0.00
pp460*	16.77	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					16.77	0.00
	240.90																					**118.37**	**4,750.67**	**53.69**	**1,674.92**	**52.52**	**1.28**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0906	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)	3.71	124.40				
O0906	2007	65382	Beaten Area	2.55	85.50				
O0907	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)			3.00	103.50		
O0907	2007	65382	Beaten Area			1.11	38.30		
O0909	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)			26.07	782.10		
O0909	2007	65382	Beaten Area			11.58	347.40		
O0910	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)	68.80	2,752.00				
O0910	2007	65382	Beaten Area	2.19	87.60				
O0914	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)	0.01	0.36				
O0914	2007	65382	Beaten Area	0.06	2.14				
O0917	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)	1.12	55.44				
pp356*	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					7.57	0.00
pp356*	2007	65382	Beaten Area					1.46	0.00
pp460*	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					16.77	0.00
			TOTAL REMOVALS	**78.44**	**3,107.44**	**41.76**	**1,271.30**	**25.80**	**0.00**

POST-PROJECT

	2007 Acres	2007 BA
Suitable Habitat	**39.93**	**1,643.23**
Potentially Suitable Habitat	**11.93**	**403.62**
Future Potential Habitat	**26.72**	**1.28**
SUB-TOTAL	**78.58**	**2,048.13**
non-contiguous habitat	**-17.98**	**-58.79**
GRAND TOTAL	**60.60**	**1,989.34**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22 = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57** = Scrub Oak (managed for hardwoods)
NM - not managed

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands O0909, O0914 and pp356 will be non-contiguous as a result of project impacts and cannot be counted toward the available foraging habitat for the partition.

Table F-130. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O09-04R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0304	4.62	43	22P	18.24	7.00	53.86	38.50	14.51	19.00	2.69	1.19	0.69	2.00	57.50	66.50	1	27	3	3	1	3.76	PS					4.62	265.65
O0904	0.05	47	31	54.00	17.00	19.96	14.00	8.68	11.50	12.99	7.55	0.93	7.00	25.50	49.50	7	27	23	3	1	2.72	PS					0.05	1.28
O0906	26.43	50	31	40.34	13.53	31.51	21.18	8.96	12.35	4.30	3.06	1.10	4.12	33.53	51.18	1	22	9	3	1	3.18	PS					26.43	886.20
O0907	14.27	45	31	35.13	11.00	20.00	15.00	14.08	19.50	3.67	0.65	0.37	1.50	34.50	47.00	5	29	3	3	1	3.42	PS					14.27	492.32
O0909	39.42	41	31	101.29	26.00	29.87	20.00	7.49	10.00	15.30	2.02	0.76	2.50	30.00	58.50	2	23	7	3	1	3.09	PS					39.42	1,182.60
O0910	80.30	94	21	11.45	3.50	6.87	5.00	22.85	35.00	19.02	3.71	1.99	6.00	40.00	49.50	1	33	16	3	1	4.43	PS			80.30	3,212.00		
O0911	10.62	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					10.62	0.00
O0912	5.67	45	22P	3.43	1.50	24.34	19.00	29.00	38.00	0.00	0.00	0.00	0.00	57.00	58.50	1	50	0	3	1	4.26	PS					5.67	323.19
O0914	0.23	50	31	64.78	18.13	28.46	19.38	12.79	16.25	18.50	6.38	2.80	7.50	35.63	61.25	2	30	18	3	1	3.70	PS					0.23	8.19
O0915	16.32	35	57**	51.04	12.00	6.21	4.00	0.37	0.50	24.49	1.83	0.00	1.00	4.50	17.50	1	20	22	3	1	2.37	PS					0.00	0.00
O0917	1.12	71	26	43.56	11.50	29.53	21.50	18.48	28.00	13.92	3.20	1.68	4.50	49.50	65.50	1	21	9	3	1	4.25	PS			1.12	55.44		
pp356*	25.08	10	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					25.08	0.00
pp460*	16.77	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					16.77	0.00
	240.90																						**0.00**	**0.00**	**81.42**	**3,267.44**	**143.16**	**3,159.43**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0906	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					3.71	124.40
O0906	2007	65382	Beaten Area					2.55	85.50
O0907	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					3.00	103.50
O0907	2007	65382	Beaten Area					1.11	38.30
O0909	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					26.07	782.10
O0909	2007	65382	Beaten Area					11.58	347.40
O0910	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)			68.80	2,752.00		
O0910	2007	65382	Beaten Area			2.19	87.60		
O0914	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					0.01	0.36
O0914	2007	65382	Beaten Area					0.06	2.14
O0917	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)			1.12	55.44		
pp356*	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					7.57	0.00
pp356*	2007	65382	Beaten Area					1.46	0.00
pp460*	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (SGR1)					16.77	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**72.11**	**2,895.04**	**73.89**	**1,483.70**

POST-PROJECT	**2007**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**9.31**	**372.40**
Future Potential Habitat	**69.27**	**1,675.73**
SUB-TOTAL	**78.58**	**2,048.13**
non-contiguous habitat	**-17.98**	**-58.79**
GRAND TOTAL	**60.60**	**1,989.34**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22 = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57** = Scrub Oak (managed for hardwoods)
NM - not managed

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Stands O0909, O0914 and pp356 will be non-contiguous as a result of project impacts and cannot be counted toward the available foraging habitat for the partition.

Table F-131. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O09-05R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0304	41.96	43	22P	18.24	7.00	53.86	38.50	14.51	19.00	2.69	1.19	0.69	2.00	57.50	66.50	1	27	3	3	1	1	41.96	2,412.70				
K0309	3.90	66	31	21.15	6.50	31.54	22.50	12.57	20.50	5.42	3.06	0.42	2.50	43.00	52.00	1	28	7	3	1	1	3.90	167.70				
K0313	28.55	38	31	40.62	11.58	40.52	29.47	20.74	27.37	5.07	3.45	1.80	4.74	56.84	73.16	1	19	8	3	1	1	28.55	1,622.78				
K0314	26.86	38	31	11.59	2.86	8.26	5.71	9.45	15.71	3.16	5.36	0.90	4.29	21.43	28.57	5	7	26	3	1	0					26.86	575.61
K0315	2.04	42	31	25.61	9.52	21.31	15.71	13.19	18.10	1.36	7.97	1.75	8.57	33.81	51.90	1	23	22	3	1	0	2.04	68.97				
O0907	57.63	45	31	35.13	11.00	20.00	15.00	14.08	19.50	3.67	0.65	0.37	1.50	34.50	47.00	5	29	3	3	1	0			57.63	1,988.24		
O0910	9.13	94	21	11.45	3.50	6.87	5.00	22.85	35.00	19.02	3.71	1.99	6.00	40.00	49.50	1	33	16	3	1	1	9.13	365.20				
O0911	4.37	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.00	0.00
O0912	10.27	45	22P	3.43	1.50	24.34	19.00	29.00	38.00	0.00	0.00	0.00	0.00	57.00	58.50	1	50	0	3	1	1	10.27	585.39				
O0915	18.64	35	57**	51.04	12.00	6.21	4.00	0.37	0.50	24.49	1.83	0.00	1.00	4.50	17.50	1	20	22	3	1	0					0.00	0.00
O0917	40.81	71	26	43.56	11.50	29.53	21.50	18.48	28.00	13.92	3.20	1.68	4.50	49.50	65.50	1	21	9	3	1	1	40.81	2,020.10				
O0924	46.79	100	21	19.30	5.00	10.85	7.50	19.01	26.50	16.75	4.59	1.99	5.50	34.00	44.50	2	34	18	3	1	0	46.79	1,590.86				
O0925	0.08	94	21S	17.27	4.50	6.18	5.00	11.05	14.00	11.48	2.26	0.00	1.50	19.00	25.00	6	30	12	3	1	0					0.08	1.52
O0927	6.85	54	31	62.50	16.19	26.61	19.05	5.78	8.57	12.30	8.16	3.41	10.95	27.62	54.76	1	31	26	3	1	0					6.85	189.20
pp460*	10.31	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					10.31	0.00
	308.19																					**183.45**	**8,833.70**	**57.63**	**1,988.24**	**44.10**	**766.33**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0304	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)	1.64	94.30				
K0304	2007	65382	Beaten Area	7.42	426.65				
K0313	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)	17.41	989.58				
K0313	2007	65382	Beaten Area	10.95	622.40				
K0314	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					26.86	575.61
K0315	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)	2.04	68.97				
O0907	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)			52.43	1,808.84		
O0907	2007	65382	Beaten Area			4.73	163.19		
O0910	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)	9.13	365.20				
O0912	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)	0.14	7.98				
O0912	2007	65382	Beaten Area	3.59	204.63				
O0917	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)	40.60	2,009.70				
O0917	2007	65382	Beaten Area	0.21	10.40				
O0924	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)	40.79	1,386.86				
O0924	2007	65382	Beaten Area	5.95	202.30				
O0927	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)	5.60	154.67				
O0927	2007	65382	Beaten Area					1.25	34.53
pp460*	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					10.31	0.00
			TOTAL REMOVALS	**145.47**	**6,543.64**	**57.16**	**1,972.03**	**38.42**	**610.14**

POST-PROJECT	**2007**	
	Acres	**BA**
Suitable Habitat	**37.98**	**2,290.06**
Potentially Suitable Habitat	**0.47**	**16.21**
Future Potential Habitat	**5.68**	**156.19**
SUB-TOTAL	**44.13**	**2,462.46**
non-contiguous habitat	**-0.13**	**-3.22**
GRAND TOTAL	**44.00**	**2,459.24**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57** = Scrub Oak (managed for hardwoods)
NM = Not managed

* Note: No pine data collected for pine plantation stands less than 30 years old.

Stands O0911, O0924 and O0925 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table F-132. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O09-05R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
K0304	41.96	43	22P	18.24	7.00	53.86	38.50	14.51	19.00	2.69	1.19	0.69	2.00	57.50	66.50	1	27	3	3	1	3.76	PS					41.96	2,412.70
K0309	3.90	66	31	21.15	6.50	31.54	22.50	12.57	20.50	5.42	3.06	0.42	2.50	43.00	52.00	1	28	7	3	1	4.01	PS					3.90	167.70
K0313	28.55	38	31	40.62	11.58	40.52	29.47	20.74	27.37	5.07	3.45	1.80	4.74	56.84	73.16	1	19	8	3	1	3.74	PS					28.55	1,622.78
K0314	26.86	38	31	11.59	2.86	8.26	5.71	9.45	15.71	3.16	5.36	0.90	4.29	21.43	28.57	5	7	26	3	1	2.89	PS					26.86	575.61
K0315	2.04	42	31	25.61	9.52	21.31	15.71	13.19	18.10	1.36	7.97	1.75	8.57	33.81	51.90	1	23	22	3	1	3.70	PS					2.04	68.97
O0907	57.63	45	31	35.13	11.00	20.00	15.00	14.08	19.50	3.67	0.65	0.37	1.50	34.50	47.00	5	29	3	3	1	3.42	PS					57.63	1,988.24
O0910	9.13	94	21	11.45	3.50	6.87	5.00	22.85	35.00	19.02	3.71	1.99	6.00	40.00	49.50	1	33	16	3	1	4.43	PS			9.13	365.20		
O0911	4.37	0	NM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					0.00	0.00
O0912	10.27	45	22P	3.43	1.50	24.34	19.00	29.00	38.00	0.00	0.00	0.00	0.00	57.00	58.50	1	50	0	3	1	4.26	PS					10.27	585.39
O0915	18.64	35	57**	51.04	12.00	6.21	4.00	0.37	0.50	24.49	1.83	0.00	1.00	4.50	17.50	1	20	22	3	1	2.37	PS					0.00	0.00
O0917	40.81	71	26	43.56	11.50	29.53	21.50	18.48	28.00	13.92	3.20	1.68	4.50	49.50	65.50	1	21	9	3	1	4.25	PS			40.81	2,020.10		
O0924	46.79	100	21	19.30	5.00	10.85	7.50	19.01	26.50	16.75	4.59	1.99	5.50	34.00	44.50	2	34	18	3	1	4.38	PS					46.79	1,590.86
O0925	0.08	94	21S	17.27	4.50	6.18	5.00	11.05	14.00	11.48	2.26	0.00	1.50	19.00	25.00	6	30	12	3	1	3.42	PS					0.08	1.52
O0927	6.85	54	31	62.50	16.19	26.61	19.05	5.78	8.57	12.30	8.16	3.41	10.95	27.62	54.76	1	31	26	3	1	3.22	PS					6.85	189.20
pp460*	10.31	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					10.31	0.00
	308.19																						**0.00**	**0.00**	**49.94**	**2,385.30**	**235.24**	**9,202.97**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
K0304	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					1.64	94.30
K0304	2007	65382	Beaten Area					7.42	426.65
K0313	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					17.41	989.58
K0313	2007	65382	Beaten Area					10.95	622.40
K0314	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					26.86	575.61
K0315	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					2.04	68.97
O0907	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					52.43	1,808.84
O0907	2007	65382	Beaten Area					4.73	163.19
O0910	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)			9.13	365.20		
O0912	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					0.14	7.98
O0912	2007	65382	Beaten Area					3.59	204.63
O0917	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)			40.60	2,009.70		
O0917	2007	65382	Beaten Area			0.21	10.40		
O0924	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					40.79	1,386.86
O0924	2007	65382	Beaten Area					5.95	202.30
O0927	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					5.60	154.67
O0927	2007	65382	Beaten Area					1.25	34.53
pp460*	2007	65382	Tank/Fighting Vehicle Stationary Gunnery Range (ST1)					10.31	0.00
			TOTAL REMOVALS	**0.00**	**0.00**	**49.94**	**2,385.30**	**191.11**	**6,740.51**

POST-PROJECT	**2007**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**44.13**	**2,462.46**
TOTAL	**44.13**	**2,462.46**
non-contiguous habitat	**-0.13**	**-3.22**
GRAND TOTAL	**44.00**	**2,459.24**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
22P = Slash Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
57** = Scrub Oak (managed for hardwoods)
NM = not managed

* Note: No pine data collected for pine plantation stands less than 30 years old.

Stands O0911, O0924 and O0925 will be non-contiguous as a result of project impacts and cannot be counted towards the available foraging habitat for the partition.

Table F-133. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O10-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0935	0.86	72	21	55.34	15.50	18.58	14.00	11.57	15.00	10.60	5.16	2.81	8.00	29.00	52.50	1	25	21	3	1	0					0.86	24.94
O0942	14.97	89	11	22.89	7.50	10.68	7.50	6.63	10.00	16.34	4.77	4.78	11.00	17.50	36.00	7	15	36	3	1	0					14.97	261.98
O0946	14.95	42	31P	91.89	26.50	49.19	35.00	10.31	13.50	12.71	3.10	2.73	6.50	48.50	81.50	4	8	9	3	1	0			14.95	725.08		
O1010	19.69	53	31	33.66	9.50	10.46	7.50	15.61	25.50	20.67	5.06	2.34	7.00	33.00	49.50	6	27	22	3	1	0			19.69	649.77		
O1012	10.56	22	31P	356.97	94.00	26.74	16.00	0.00	0.00	4.34	0.00	0.00	0.00	16.00	110.00	1	14	0	3	1	0					10.56	168.96
O1018	8.57	22	31P	198.50	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	2	23	0	3	1	0					8.57	0.00
O1019	17.54	61	31	27.01	7.37	15.17	11.05	16.20	25.79	55.15	3.24	3.68	7.89	36.84	52.11	8	12	18	3	1	0			17.54	646.17		
O1020	43.42	86	31	49.52	12.50	15.10	10.50	15.49	22.00	2.78	4.42	2.26	5.50	32.50	50.50	1	30	18	3	1	0	43.42	1,411.15				
O1023	16.37	74	31	164.35	41.50	24.15	15.00	1.54	2.00	17.97	2.81	0.00	2.00	17.00	60.50	2	21	10	3	1	0					16.37	278.29
O1024	12.40	22	21	34.95	11.58	25.30	16.84	7.41	10.53	2.77	2.33	0.41	2.11	27.37	41.05	1	27	8	3	1	0					12.40	339.39
O1027	0.28	76	31	92.30	22.94	29.80	20.00	9.88	13.53	1.69	10.06	2.99	11.18	33.53	67.65	6	26	25	3	1	0			0.28	9.39		
O1301	16.72	76	31	36.42	9.50	8.87	6.50	17.75	27.00	19.29	14.31	3.38	14.50	33.50	57.50	7	21	40	3	1	0			16.72	560.12		
O1305	4.66	81	21	14.31	5.00	10.82	7.00	14.44	19.00	21.90	4.98	1.63	5.50	26.00	36.50	1	22	21	3	1	0					4.66	121.16
pp428*	13.17	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					13.17	0.00
pp429*	6.66	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					6.66	0.00
pp694*	25.30	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					25.30	0.00
pp695*	1.18	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.18	0.00
	227.30																					**43.42**	**1,411.15**	**69.18**	**2,590.53**	**114.70**	**1,194.72**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0942	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					1.06	18.55
O0946	2009	65383	Beaten Area			0.57	27.65		
			TOTAL REMOVALS	**0.00**	**0.00**	**0.57**	**27.65**	**1.06**	**18.55**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**43.42**	**1,411.15**
Potentially Suitable Habitat	**68.61**	**2,562.89**
Future Potential Habitat	**113.64**	**1,176.17**
TOTAL	**225.67**	**5,150.21**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-134. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **O10-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
O0935	0.86	72	21	55.34	15.50	18.58	14.00	11.57	15.00	10.60	5.16	2.81	8.00	29.00	52.50	1	25	21	3	1	3.71	PS					0.86	24.94
O0942	14.97	89	11	22.89	7.50	10.68	7.50	6.63	10.00	16.34	4.77	4.78	11.00	17.50	36.00	7	15	36	3	1	2.94	PS					14.97	261.98
O0946	14.95	42	31P	91.89	26.50	49.19	35.00	10.31	13.50	12.71	3.10	2.73	6.50	48.50	81.50	4	8	9	3	1	3.03	PS					14.95	725.08
O1010	19.69	53	31	33.66	9.50	10.46	7.50	15.61	25.50	20.67	5.06	2.34	7.00	33.00	49.50	6	27	22	3	1	3.72	PS					19.69	649.77
O1012	10.56	22	31P	356.97	94.00	26.74	16.00	0.00	0.00	4.34	0.00	0.00	0.00	16.00	110.00	1	14	0	3	1	2.15	NH					10.56	168.96
O1018	8.57	22	31P	198.50	45.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.00	2	23	0	3	1	2.26	NH					8.57	0.00
O1019	17.54	61	31	27.01	7.37	15.17	11.05	16.20	25.79	55.15	3.24	3.68	7.89	36.84	52.11	8	12	18	3	1	3.66	PS					17.54	646.17
O1020	43.42	86	31	49.52	12.50	15.10	10.50	15.49	22.00	2.78	4.42	2.26	5.50	32.50	50.50	1	30	18	3	1	4.10	PS					43.42	1,411.15
O1023	16.37	74	31	164.35	41.50	24.15	15.00	1.54	2.00	17.97	2.81	0.00	2.00	17.00	60.50	2	21	10	3	1	2.81	PS					16.37	278.29
O1024	12.40	22	21	34.95	11.58	25.30	16.84	7.41	10.53	2.77	2.33	0.41	2.11	27.37	41.05	1	27	8	3	1	2.88	NH					12.40	339.39
O1027	0.28	76	31	92.30	22.94	29.80	20.00	9.88	13.53	1.69	10.06	2.99	11.18	33.53	67.65	6	26	25	3	1	3.32	PS					0.28	9.39
O1301	16.72	76	31	36.42	9.50	8.87	6.50	17.75	27.00	19.29	14.31	3.38	14.50	33.50	57.50	7	21	40	3	1	3.75	PS					16.72	560.12
O1305	4.66	81	21	14.31	5.00	10.82	7.00	14.44	19.00	21.90	4.98	1.63	5.50	26.00	36.50	1	22	21	3	1	3.89	PS					4.66	121.16
pp428*	13.17	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					13.17	0.00
pp429*	6.66	11	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					6.66	0.00
pp694*	25.30	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					25.30	0.00
pp695*	1.18	4	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.18	0.00
	227.30																						**0.00**	**0.00**	**0.00**	**0.00**	**227.30**	**5,196.40**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
O0942	2009	65383	Tank/Fighting Vehicle Stationary Gunnery Range (SGR2)					1.06	18.55
O0946	2009	65383	Beaten Area					0.57	27.65
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**1.63**	**46.20**

POST-PROJECT

	2009	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**225.67**	**5,150.21**
TOTAL	**225.67**	**5,150.21**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-135. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster Q02-02, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0911	13.15	91	31	13.28	2.50	3.39	3.00	15.95	27.00	4.96	3.01	1.99	5.50	30.00	38.00	6	33	21	3	1	0			13.15	394.50		
pp249*	2.10	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.10	0.00
Q0120	2.20	54	42**	26.46	8.57	7.99	5.71	9.55	14.29	39.24	23.76	17.88	44.29	20.00	72.86	1	17	70	3	1	0					0.00	0.00
Q0122	12.26	47	31	14.55	6.00	40.24	27.50	18.09	23.00	12.06	1.42	0.94	2.00	50.50	58.50	6	32	4	3	1	0			12.26	619.13		
Q0125	11.14	54	10	10.14	4.00	20.44	15.50	15.70	23.00	21.00	5.43	4.48	10.50	38.50	53.00	3	20	22	3	1	0	11.14	428.89				
Q0228	51.15	107	31	11.39	3.50	6.99	4.50	15.54	33.00	17.26	3.71	0.00	2.50	37.50	43.50	2	16	14	3	1	0	51.15	1,918.13				
Q0229	4.48	49	13	17.90	4.00	0.00	0.00	9.15	24.00	15.20	0.00	6.06	12.00	24.00	40.00	7	28	40	3	1	0					4.48	107.52
Q0243	43.19	59	31	25.66	5.50	2.48	1.50	15.02	30.50	7.72	4.44	0.88	4.50	32.00	42.00	8	32	23	3	1	0			43.19	1,382.08		
Q0244	19.61	49	25	110.58	27.50	24.26	18.50	20.92	29.50	28.82	9.47	0.97	7.00	48.00	82.50	5	28	19	3	1	0			19.61	941.28		
Q0251	0.56	55	31	41.14	11.50	31.18	21.50	5.80	9.50	16.63	0.72	0.75	1.50	31.00	44.00	2	31	4	3	1	0	0.56	17.36				
	159.84																					**62.85**	**2,364.38**	**88.21**	**3,336.99**	**6.58**	**107.52**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0911	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)			1.58	47.40		
Q0125	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)	0.31	11.94				
Q0125	2009	n/a	Tank Trail Construction	1.29	49.67				
Q0243	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)			2.85	91.20		
Q0243	2009	n/a	Tank Trail Construction			0.49	15.68		
			TOTAL REMOVALS	**1.60**	**61.61**	**4.92**	**154.28**	**0.00**	**0.00**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**61.25**	**2,302.77**
Potentially Suitable Habitat	**83.29**	**3,182.71**
Future Potential Habitat	**6.58**	**107.52**
TOTAL	**151.12**	**5,593.00**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (not managed)

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Table F-136. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster Q02-02, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
A0911	13.15	91	31	13.28	2.50	3.39	3.00	15.95	27.00	4.96	3.01	1.99	5.50	30.00	38.00	6	33	21	3	1	3.95	PS					13.15	394.50
pp249*	2.10	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.10	0.00
Q0120	2.20	54	42**	26.46	8.57	7.99	5.71	9.55	14.29	39.24	23.76	17.88	44.29	20.00	72.86	1	17	70	3	1	3.28	PS					0.00	0.00
Q0122	12.26	47	31	14.55	6.00	40.24	27.50	18.09	23.00	12.06	1.42	0.94	2.00	50.50	58.50	6	32	4	3	1	3.93	PS					12.26	619.13
Q0125	11.14	54	10	10.14	4.00	20.44	15.50	15.70	23.00	21.00	5.43	4.48	10.50	38.50	53.00	3	20	22	3	1	3.89	PS					11.14	428.89
Q0228	51.15	107	31	11.39	3.50	6.99	4.50	15.54	33.00	17.26	3.71	0.00	2.50	37.50	43.50	2	16	14	3	1	4.03	PS					51.15	1,918.13
Q0229	4.48	49	13	17.90	4.00	0.00	0.00	9.15	24.00	15.20	0.00	6.06	12.00	24.00	40.00	7	28	40	3	1	3.25	PS					4.48	107.52
Q0243	43.19	59	31	25.66	5.50	2.48	1.50	15.02	30.50	7.72	4.44	0.88	4.50	32.00	42.00	8	32	23	3	1	3.68	PS					43.19	1,382.08
Q0244	19.61	49	25	110.58	27.50	24.26	18.50	20.92	29.50	28.82	9.47	0.97	7.00	48.00	82.50	5	28	19	3	1	3.70	PS					19.61	941.28
Q0251	0.56	55	31	41.14	11.50	31.18	21.50	5.80	9.50	16.63	0.72	0.75	1.50	31.00	44.00	2	31	4	3	1	3.24	PS					0.56	17.36
	159.84																						**0.00**	**0.00**	**0.00**	**0.00**	**157.64**	**5,808.89**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
A0911	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					1.58	47.40
Q0125	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					0.31	11.94
Q0125	2009	n/a	Tank Trail Construction					1.29	49.67
Q0243	2009	65286	Army Officer Basic Course HQ Complex (Utility Corridor)					2.85	91.20
Q0243	2009	n/a	Tank Trail Construction					0.49	15.68
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**6.52**	**215.89**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**151.12**	**5,593.00**
TOTAL	**151.12**	**5,593.00**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (not managed)

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Table F-137. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **Q02-04R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
pp22*	13.49	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					13.49	0.00
pp23*	3.47	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.47	0.00
pp24*	2.54	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.54	0.00
pp25*	1.89	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.89	0.00
pp26*	5.14	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					5.14	0.00
pp27*	3.49	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.49	0.00
pp28*	2.98	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.98	0.00
pp29*	7.57	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					7.57	0.00
pp30*	1.36	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.36	0.00
pp31*	1.29	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.29	0.00
pp37*	2.54	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.54	0.00
pp990*	20.16	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					20.16	0.00
pp991*	7.28	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					7.28	0.00
Q0231	5.41	123	32	23.46	5.71	9.24	7.14	8.98	12.86	19.98	1.98	4.21	7.14	20.00	32.86	2	27	25	3	1	0					5.41	108.20
Q0234	7.46	116	25	17.99	5.56	15.54	11.11	14.78	22.22	7.71	0.00	0.91	1.11	33.33	40.00	2	39	3	3	1	0	7.46	248.64				
Q0236	3.52	56	32	45.21	11.11	16.45	12.22	13.81	18.89	0.00	0.00	0.00	0.00	31.11	42.22	2	34	0	3	1	0	3.52	109.51				
Q0238	11.49	47	31	43.75	12.00	23.68	18.00	20.08	27.50	5.05	1.02	0.43	1.50	45.50	59.00	4	32	3	3	1	1			11.49	522.80		
Q0244	15.31	49	25	110.58	27.50	24.26	18.50	20.92	29.50	28.82	9.47	0.97	7.00	48.00	82.50	5	28	19	3	1	0			15.31	734.88		
Q0245	1.66	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					1.66	0.00
Q0251	11.61	55	31	41.14	11.50	31.18	21.50	5.80	9.50	16.63	0.72	0.75	1.50	31.00	44.00	2	31	4	3	1	0	11.61	359.91				
Q0252	2.54	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					2.54	0.00
Q0253	1.74	105	11	24.19	4.44	4.31	3.33	15.44	26.67	6.22	0.00	0.96	2.22	30.00	36.67	1	22	5	3	1	0	1.74	52.20				
Q0256	40.18	48	31	51.64	14.00	25.38	18.00	12.82	17.00	4.01	0.00	0.00	0.00	35.00	49.00	2	28	0	3	1	0	40.18	1,406.30				
Q0259	2.00	55	31	22.63	7.14	26.89	18.57	10.13	15.71	6.01	2.02	1.63	4.29	34.29	45.71	1	29	9	3	1	0	2.00	68.58				
Q0266	18.19	105	31	19.10	5.50	21.68	16.50	15.54	25.50	13.53	2.51	2.56	5.00	42.00	52.50	2	34	12	3	1	1	18.19	763.98				
Q0302	8.63	108	31	88.62	26.00	31.55	21.00	10.45	17.00	25.08	4.71	1.62	6.00	38.00	70.00	2	14	13	3	1	0			8.63	327.94		
Q0330	6.56	40	25	3.86	1.67	25.59	18.33	10.96	15.00	24.03	2.57	0.87	5.00	33.33	40.00	2	18	9	3	1	0	6.56	218.64				
Q0332	8.21	57	31	73.65	20.00	16.10	12.50	14.64	22.50	55.37	16.06	1.39	13.75	35.00	68.75	5	10	36	3	1	0			8.21	287.35		
Q0333	4.75	57	31	19.22	6.00	20.57	15.00	29.72	41.00	22.60	6.62	1.39	6.00	56.00	68.00	2	19	14	3	1	1	4.75	266.00				
Q0403	5.25	84	13	15.34	2.86	1.65	1.43	15.53	35.71	47.38	6.23	9.19	18.57	37.14	58.57	7	3	47	3	1	0			5.25	194.99		
Q0404	3.91	84	13	16.95	2.50	9.79	7.50	17.37	42.50	32.32	2.75	2.49	7.50	50.00	60.00	7	15	16	3	1	0			3.91	195.50		
	231.60																					**96.01**	**3,493.76**	**52.80**	**2,263.46**	**82.81**	**108.20**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp37*	2009	n/a	Good Hope Maneuver Area					0.05	0.00
pp37*	2009	n/a	Tank Trail Construction					0.05	0.00
Q0266	2009	n/a	Good Hope Maneuver Area	0.78	32.76				
Q0266	2009	n/a	Tank Trail Construction	0.21	8.82				
Q0403	2009	n/a	Good Hope Maneuver Area			5.25	194.99		
Q0404	2009	n/a	Good Hope Maneuver Area			3.91	195.50		
			TOTAL REMOVALS	**0.99**	**41.58**	**9.16**	**390.49**	**0.10**	**0.00**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**95.02**	**3,452.18**
Potentially Suitable Habitat	**43.64**	**1,872.97**
Future Potential Habitat	**82.71**	**108.20**
TOTAL	**221.37**	**5,433.35**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Forest Type:
11 = Longleaf Pine-Hardwood
13 = Loblolly Pine-Hardwood
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
32 = Shortleaf Pine

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Table F-138. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **Q02-04R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
pp22*	13.49	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					13.49	0.00
pp23*	3.47	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.47	0.00
pp24*	2.54	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.54	0.00
pp25*	1.89	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.89	0.00
pp26*	5.14	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					5.14	0.00
pp27*	3.49	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.49	0.00
pp28*	2.98	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.98	0.00
pp29*	7.57	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					7.57	0.00
pp30*	1.36	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.36	0.00
pp31*	1.29	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.29	0.00
pp37*	2.54	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					2.54	0.00
pp990*	20.16	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					20.16	0.00
pp991*	7.28	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					7.28	0.00
Q0231	5.41	123	32	23.46	5.71	9.24	7.14	8.98	12.86	19.98	1.98	4.21	7.14	20.00	32.86	2	27	25	3	1	3.23	PS					5.41	108.20
Q0234	7.46	116	25	17.99	5.56	15.54	11.11	14.78	22.22	7.71	0.00	0.91	1.11	33.33	40.00	2	39	3	3	1	4.23	PS					7.46	248.64
Q0236	3.52	56	32	45.21	11.11	16.45	12.22	13.81	18.89	0.00	0.00	0.00	0.00	31.11	42.22	2	34	0	3	1	3.82	PS					3.52	109.51
Q0238	11.49	47	31	43.75	12.00	23.68	18.00	20.08	27.50	5.05	1.02	0.43	1.50	45.50	59.00	4	32	3	3	1	3.96	PS					11.49	522.80
Q0244	15.31	49	25	110.58	27.50	24.26	18.50	20.92	29.50	28.82	9.47	0.97	7.00	48.00	82.50	5	28	19	3	1	3.70	PS					15.31	734.88
Q0245	1.66	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					1.66	0.00
Q0251	11.61	55	31	41.14	11.50	31.18	21.50	5.80	9.50	16.63	0.72	0.75	1.50	31.00	44.00	2	31	4	3	1	3.24	PS					11.61	359.91
Q0252	2.54	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	1.75	NH					2.54	0.00
Q0253	1.74	105	11	24.19	4.44	4.31	3.33	15.44	26.67	6.22	0.00	0.96	2.22	30.00	36.67	1	22	5	3	1	4.06	PS					1.74	52.20
Q0256	40.18	48	31	51.64	14.00	25.38	18.00	12.82	17.00	4.01	0.00	0.00	0.00	35.00	49.00	2	28	0	3	1	3.48	PS					40.18	1,406.30
Q0259	2.00	55	31	22.63	7.14	26.89	18.57	10.13	15.71	6.01	2.02	1.63	4.29	34.29	45.71	1	29	9	3	1	3.69	PS					2.00	68.58
Q0266	18.19	105	31	19.10	5.50	21.68	16.50	15.54	25.50	13.53	2.51	2.56	5.00	42.00	52.50	2	34	12	3	1	4.28	PS					18.19	763.98
Q0302	8.63	108	31	88.62	26.00	31.55	21.00	10.45	17.00	25.08	4.71	1.62	6.00	38.00	70.00	2	14	13	3	1	3.61	PS					8.63	327.94
Q0330	6.56	40	25	3.86	1.67	25.59	18.33	10.96	15.00	24.03	2.57	0.87	5.00	33.33	40.00	2	18	9	3	1	3.46	PS					6.56	218.64
Q0332	8.21	57	31	73.65	20.00	16.10	12.50	14.64	22.50	55.37	16.06	1.39	13.75	35.00	68.75	5	10	36	3	1	3.56	PS					8.21	287.35
Q0333	4.75	57	31	19.22	6.00	20.57	15.00	29.72	41.00	22.60	6.62	1.39	6.00	56.00	68.00	2	19	14	3	1	4.09	PS					4.75	266.00
Q0403	5.25	84	13	15.34	2.86	1.65	1.43	15.53	35.71	47.38	6.23	9.19	18.57	37.14	58.57	7	3	47	3	1	3.58	PS					5.25	194.99
Q0404	3.91	84	13	16.95	2.50	9.79	7.50	17.37	42.50	32.32	2.75	2.49	7.50	50.00	60.00	7	15	16	3	1	3.74	PS					3.91	195.50
	231.62																						**0.00**	**0.00**	**0.00**	**0.00**	**231.62**	**5,865.42**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp37*	2009	n/a	Good Hope Maneuver Area					0.05	0.00
pp37*	2009	n/a	Tank Trail Contruction					0.05	0.00
Q0266	2009	n/a	Good Hope Maneuver Area					0.78	32.76
Q0266	2009	n/a	Tank Trail Contruction					0.21	8.82
Q0403	2009	n/a	Good Hope Maneuver Area					5.25	194.99
Q0404	2009	n/a	Good Hope Maneuver Area					3.91	195.50
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**10.25**	**432.07**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**221.37**	**5,433.35**
TOTAL	**221.37**	**5,433.35**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Table F-139. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster R01**-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
AOB01	5.91	76	21	10.21	4.00	16.99	12.00	27.83	48.00	23.09	0.00	0.00	0.00	60.00	64.00	2	12	0	3	1	1	5.91	354.60				
AOB03	13.38	52	42**	20.46	6.00	15.44	11.00	6.53	9.00	69.19	31.29	8.33	32.50	20.00	58.50	1	2	64	3	1	0					0.00	0.00
AOB04	30.17	55	13	29.47	6.67	12.56	8.57	12.79	17.14	37.33	18.60	7.76	24.29	25.71	56.67	1	4	51	3	1	0					30.17	775.67
AOB06	7.69	51	42**	41.06	10.00	9.71	7.00	7.76	10.50	62.36	14.52	8.36	24.50	17.50	52.00	1	4	57	3	1	0					0.00	0.00
P0172	0.07	53	31	38.55	11.50	16.40	11.00	7.93	10.50	20.34	2.98	0.71	3.00	21.50	36.00	8	18	13	3	1	0					0.00	0.00
pp433*	4.83	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.83	0.00
pp434*	3.16	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					3.16	0.00
pp528*	4.61	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.61	0.00
pp557*	1.70	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.70	0.00
pp558*	0.60	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.60	0.00
pp759*	23.34	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp914*	0.27	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.27	0.00
R0101	1.44	86	26	0.00	0.00	32.30	25.00	4.48	5.00	0.00	0.00	0.00	0.00	30.00	30.00	3	10	0	3	1	0	1.44	43.20				
R0112	5.27	86	26	44.21	14.00	36.31	22.00	3.36	4.00	8.68	0.00	2.13	4.00	26.00	44.00	6	10	5	3	1	0					5.27	137.02
R0113	14.40	83	66**	0.00	0.00	9.84	7.37	6.53	9.47	11.55	5.01	6.16	12.63	16.84	29.47	7	14	41	3	1	0					0.00	0.00
R0117	0.59	87	42**	22.30	7.00	21.41	14.50	5.67	7.50	51.67	18.16	8.18	24.50	22.00	53.50	7	2	49	3	1	0					0.00	0.00
R0122	20.06	62	31	16.45	5.00	16.28	11.11	11.69	16.11	0.00	0.00	5.91	10.00	27.22	42.22	8	13	17	3	1	0					20.06	546.03
R0123	14.48	79	21	2.82	0.50	5.14	4.50	35.61	54.00	0.00	0.00	1.15	1.50	58.50	60.50	2	14	3	3	1	1	14.48	847.08				
R0124	22.32	83	31	9.61	2.63	1.91	1.58	15.68	31.05	3.63	0.77	0.35	1.05	32.63	36.32	6	14	6	3	1	0			22.32	728.30		
R0125	9.66	30	31	20.22	6.00	25.93	19.00	15.07	22.00	5.57	6.71	1.82	7.50	41.00	54.50	6	14	17	3	1	0			9.66	396.06		
R0126	8.62	39	31	34.41	9.50	22.01	15.00	10.11	12.50	23.21	10.18	4.42	15.50	27.50	52.50	6	4	31	3	1	0					8.62	237.05
R0127	0.25	87	31	14.32	5.00	46.31	30.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	35.00	2	15	0	3	1	0	0.25	7.50				
R0128	6.80	78	13	24.32	7.50	18.41	14.00	6.24	9.00	28.50	2.61	3.00	8.00	23.00	38.50	5	9	19	3	1	0					6.80	156.40
R0130	2.81	78	13	97.78	27.50	85.35	57.50	9.94	12.50	27.25	7.53	2.04	7.50	70.00	105.00	1	0	9	3	1	0			2.81	196.70		
R0131	12.13	39	26	46.84	12.50	21.18	15.00	11.71	16.00	13.55	0.00	1.71	2.00	31.00	45.50	1	24	5	3	1	0	12.13	376.03				
R0133	3.33	87	21	23.73	5.50	8.51	6.50	22.10	34.00	14.47	6.50	2.21	7.00	40.50	53.00	2	19	22	3	1	1	3.33	134.87				
R0135	0.09	76	10	8.74	3.50	8.25	5.50	9.05	14.50	2.94	0.76	4.08	8.50	20.00	32.00	8	5	22	3	1	0					0.09	1.80
R0137	0.41	76	31U	49.47	16.67	52.67	33.33	0.00	0.00	0.00	3.91	0.00	3.33	33.33	53.33	1	0	7	3	1	0	0.41	13.67				
R0138	10.53	76	26U	22.00	5.50	4.12	3.00	20.54	35.50	6.29	0.60	0.45	1.00	38.50	45.00	1	13	4	3	1	0	10.53	405.41				
	228.92																					**48.48**	**2,182.36**	**34.79**	**1,321.06**	**86.18**	**1,853.97**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
AOB01	2008	65439	Infrastructure Support	4.48	268.80				
			2008 SUB-TOTAL	**4.48**	**268.80**	**0.00**	**0.00**	**0.00**	**0.00**
AOB01	2009	64797	Vehicle Recovery Area	1.42	85.20				
AOB04	2009	64797	Vehicle Recovery Area					30.17	775.67
pp433*	2009	64797	Vehicle Recovery Area					4.83	0.00
pp434*	2009	64797	Vehicle Recovery Area					0.52	0.00
pp434*	2009	n/a	Tank Trail Construction					0.50	0.00
pp557*	2009	64797	Vehicle Recovery Area					0.04	0.00
pp557*	2009	n/a	Tank Trail Construction					0.25	0.00
pp914*	2009	64797	Vehicle Recovery Area					0.27	0.00
R0101	2009	n/a	Tank Trail Construction	0.01	0.30				
R0112	2009	64797	Vehicle Recovery Area					2.92	75.92
R0112	2009	n/a	Tank Trail Construction					0.76	19.76
R0122	2009	64797	Vehicle Recovery Area					20.06	546.03
R0123	2009	64797	Vehicle Recovery Area	14.48	847.08				
R0124	2009	64797	Vehicle Recovery Area			22.32	728.30		
R0125	2009	64797	Vehicle Recovery Area			9.66	396.06		
R0126	2009	64797	Vehicle Recovery Area					8.62	237.05
R0127	2009	64797	Vehicle Recovery Area	0.25	7.50				
R0128	2009	64797	Vehicle Recovery Area					6.80	156.40
R0130	2009	64797	Vehicle Recovery Area			2.81	196.70		
R0131	2009	64797	Vehicle Recovery Area	12.13	376.03				
R0133	2009	64797	Vehicle Recovery Area	3.33	134.87				
R0135	2009	64797	Vehicle Recovery Area					0.09	1.80
R0137	2009	64797	Vehicle Recovery Area	0.41	13.67				
R0138	2009	64797	Vehicle Recovery Area	10.53	405.41				
			2009 SUB-TOTAL	**42.56**	**1,870.06**	**34.79**	**1,321.06**	**75.83**	**1,812.63**
			TOTAL REMOVALS	**47.04**	**2,138.86**	**34.79**	**1,321.06**	**75.83**	**1,812.63**

POST-PROJECT	**2008**		**2009**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**44.00**	**1,913.56**	**1.44**	**43.50**
Potentially Suitable Habitat	**34.79**	**1,321.06**	**0.00**	**0.00**
Future Potential Habitat	**86.18**	**1,853.97**	**10.35**	**41.34**
TOTAL	**164.97**	**5,088.59**	**11.79**	**84.84**

Key:

BA = basal area
dbh = diameter at breast height
hwd = hardwood
hgc = herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
26U = Mixed Pine-Longleaf Underplanted
31 = Loblolly Pine
31U = Loblolly Pine Underplanted
42** = Upland Hardwood-Yellow Pine (not managed)
66*** = Oak-Hickory (not managed)

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Table R-140. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster R01**-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
AOB01	5.91	76	21	10.21	4.00	16.99	12.00	27.83	48.00	23.09	0.00	0.00	0.00	60.00	64.00	2	12	0	3	1	4.23	PS			5.91	354.60		
AOB03	13.38	52	42**	20.46	6.00	15.44	11.00	6.53	9.00	69.19	31.29	8.33	32.50	20.00	58.50	1	2	64	3	1	2.95	PS					0.00	0.00
AOB04	30.17	55	13	29.47	6.67	12.56	8.57	12.79	17.14	37.33	18.60	7.76	24.29	25.71	56.67	1	4	51	3	1	3.37	PS					30.17	775.67
AOB06	7.69	51	42**	41.06	10.00	9.71	7.00	7.76	10.50	62.36	14.52	8.36	24.50	17.50	52.00	1	4	57	3	1	2.98	PS					0.00	0.00
P0172	0.07	53	31	38.55	11.50	16.40	11.00	7.93	10.50	20.34	2.98	0.71	3.00	21.50	36.00	8	18	13	3	1	2.80	PS					0.00	0.00
pp433*	4.83	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.83	0.00
pp434*	3.16	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					3.16	0.00
pp528*	4.61	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.61	0.00
pp557*	1.70	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.70	0.00
pp558*	0.60	6	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.60	0.00
pp759*	23.34	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp914*	0.27	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.27	0.00
R0101	1.44	86	26	0.00	0.00	32.30	25.00	4.48	5.00	0.00	0.00	0.00	0.00	30.00	30.00	3	10	0	3	1	3.10	PS					1.44	43.20
R0112	5.27	86	26	44.21	14.00	36.31	22.00	3.36	4.00	8.68	0.00	2.13	4.00	26.00	44.00	6	10	5	3	1	2.61	PS					5.27	137.02
R0113	14.40	83	66**	0.00	0.00	9.84	7.37	6.53	9.47	11.55	5.01	6.16	12.63	16.84	29.47	7	14	41	3	1	2.81	PS					0.00	0.00
R0117	0.59	87	42**	22.30	7.00	21.41	14.50	5.67	7.50	51.67	18.16	8.18	24.50	22.00	53.50	7	2	49	3	1	2.75	PS					0.00	0.00
R0122	20.06	62	31	16.45	5.00	16.28	11.11	11.69	16.11	0.00	0.00	5.91	10.00	27.22	42.22	8	13	17	3	1	3.34	PS					20.06	546.03
R0123	14.48	79	21	2.82	0.50	5.14	4.50	35.61	54.00	0.00	0.00	1.15	1.50	58.50	60.50	2	14	3	3	1	4.23	PS			14.48	847.08		
R0124	22.32	83	31	9.61	2.63	1.91	1.58	15.68	31.05	3.63	0.77	0.35	1.05	32.63	36.32	6	14	6	3	1	3.75	PS					22.32	728.30
R0125	9.66	30	31	20.22	6.00	25.93	19.00	15.07	22.00	5.57	6.71	1.82	7.50	41.00	54.50	6	14	17	3	1	3.42	PS					9.66	396.06
R0126	8.62	39	31	34.41	9.50	22.01	15.00	10.11	12.50	23.21	10.18	4.42	15.50	27.50	52.50	6	4	31	3	1	2.76	PS					8.62	237.05
R0127	0.25	87	31	14.32	5.00	46.31	30.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	35.00	2	15	0	3	1	2.96	PS					0.25	7.50
R0128	6.80	78	13	24.32	7.50	18.41	14.00	6.24	9.00	28.50	2.61	3.00	8.00	23.00	38.50	5	9	19	3	1	2.86	PS					6.80	156.40
R0130	2.81	78	13	97.78	27.50	85.35	57.50	9.94	12.50	27.25	7.53	2.04	7.50	70.00	105.00	1	0	9	3	1	3.27	PS					2.81	196.70
R0131	12.13	39	26	46.84	12.50	21.18	15.00	11.71	16.00	13.55	0.00	1.71	2.00	31.00	45.50	1	24	5	3	1	3.29	PS					12.13	376.03
R0133	3.33	87	21	23.73	5.50	8.51	6.50	22.10	34.00	14.47	6.50	2.21	7.00	40.50	53.00	2	19	22	3	1	4.22	PS			3.33	134.87		
R0135	0.09	76	10	8.74	3.50	8.25	5.50	9.05	14.50	2.94	0.76	4.08	8.50	20.00	32.00	8	5	22	3	1	3.05	PS					0.09	1.80
R0137	0.41	76	31U	49.47	16.67	52.67	33.33	0.00	0.00	0.00	3.91	0.00	3.33	33.33	53.33	1	0	7	3	1	2.81	PS					0.41	13.67
R0138	10.53	76	26U	22.00	5.50	4.12	3.00	20.54	35.50	6.29	0.60	0.45	1.00	38.50	45.00	1	13	4	3	1	4.17	PS					10.53	405.41
	228.92																						**0.00**	**0.00**	**23.72**	**1,336.55**	**145.73**	**4,020.84**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
AOB01	2008	65439	Infrastructure Support			4.48	268.80		
			2008 SUB-TOTAL	**0.00**	**0.00**	**4.48**	**268.80**	**0.00**	**0.00**
AOB01	2009	64797	Vehicle Recovery Area			1.42	85.20		
AOB04	2009	64797	Vehicle Recovery Area					30.17	775.67
pp433*	2009	64797	Vehicle Recovery Area					4.83	0.00
pp434*	2009	64797	Vehicle Recovery Area					0.52	0.00
pp434*	2009	n/a	Tank Trail Construction					0.50	0.00
pp557*	2009	64797	Vehicle Recovery Area					0.04	0.00
pp557*	2009	n/a	Tank Trail Construction					0.25	0.00
pp914*	2009	64797	Vehicle Recovery Area					0.27	0.00
R0101	2009	n/a	Tank Trail Construction					0.01	0.30
R0112	2009	64797	Vehicle Recovery Area					2.92	75.92
R0112	2009	n/a	Tank Trail Construction					0.76	19.76
R0122	2009	64797	Vehicle Recovery Area					20.06	546.03
R0123	2009	64797	Vehicle Recovery Area			14.48	847.08		
R0124	2009	64797	Vehicle Recovery Area					22.32	728.30
R0125	2009	64797	Vehicle Recovery Area					9.66	396.06
R0126	2009	64797	Vehicle Recovery Area					8.62	237.05
R0127	2009	64797	Vehicle Recovery Area					0.25	7.50
R0128	2009	64797	Vehicle Recovery Area					6.80	156.40
R0130	2009	64797	Vehicle Recovery Area					2.81	196.70
R0131	2009	64797	Vehicle Recovery Area					12.13	376.03
R0133	2009	64797	Vehicle Recovery Area			3.33	134.87		
R0135	2009	64797	Vehicle Recovery Area					0.09	1.80
R0137	2009	64797	Vehicle Recovery Area					0.41	13.67
R0138	2009	64797	Vehicle Recovery Area					10.53	405.41
			2009 SUB-TOTAL	**0.00**	**0.00**	**19.23**	**1,067.15**	**133.95**	**3,936.60**
			TOTAL REMOVALS	**0.00**	**0.00**	**23.71**	**1,335.95**	**133.95**	**3,936.60**

POST-PROJECT	**2008**		**2009**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**19.24**	**1,067.75**	**0.01**	**0.60**
Future Potential Habitat	**145.73**	**4,020.84**	**11.78**	**84.24**
TOTAL	**164.97**	**5,088.59**	**11.79**	**84.84**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
26U = Mixed Pine-Longleaf Underplanted
31 = Loblolly Pine
31U = Loblolly Pine Underplanted
42** = Upland Hardwood-Yellow Pine (not managed)
66*** = Oak-Hickory (not managed)

*** Note:** No pine data was taken for pine plantation stands less than 30 years old.

Table F-141. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **R01-03R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
P0165	7.18	13	31P	378.41	88.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.00	7	0	0	3	1	0					0.00	0.00
P0172	13.31	53	31	38.55	11.50	16.40	11.00	7.93	10.50	20.34	2.98	0.71	3.00	21.50	36.00	8	18	13	3	1	0					13.31	286.17
P0173	3.98	86	32	0.00	0.00	0.00	0.00	22.36	30.00	6.92	17.83	5.37	20.00	30.00	50.00	1	20	51	3	1	0					0.00	0.00
pp245*	2.16	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp246*	10.52	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					10.52	0.00
pp46*	35.69	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
pp759*	4.15	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					4.15	0.00
R0107	12.61	43	25	33.15	9.50	21.90	16.50	4.09	5.00	2.24	0.65	0.68	2.00	21.50	33.00	2	19	5	3	1	0					12.61	271.12
R0109	26.31	81	31	12.93	4.00	3.74	3.00	15.90	28.00	10.09	5.08	1.38	5.50	31.00	40.50	8	23	25	3	1	0			26.31	815.61		
R0117	18.30	87	42**	22.30	7.00	21.41	14.50	5.67	7.50	51.67	18.16	8.18	24.50	22.00	53.50	7	2	49	3	1	0					0.00	0.00
R0118	0.96	39	31P	207.56	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	4	40	0	3	1	0					0.00	0.00
R0125	1.37	30	31	20.22	6.00	25.93	19.00	15.07	22.00	5.57	6.71	1.82	7.50	41.00	54.50	6	14	17	3	1	0			1.37	56.17		
R0126	4.05	39	31	34.41	9.50	22.01	15.00	10.11	12.50	23.21	10.18	4.42	15.50	27.50	52.50	6	4	31	3	1	0					0.00	0.00
R0127	1.56	87	31	14.32	5.00	46.31	30.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	35.00	2	15	0	3	1	0	0.00	0.00				
R0133	4.65	87	21	23.73	5.50	8.51	6.50	22.10	34.00	14.47	6.50	2.21	7.00	40.50	53.00	2	19	22	3	1	1	0.00	0.00				
R0203	1.85	24	31	176.82	40.00	0.00	0.00	11.24	15.00	0.00	0.00	0.00	0.00	15.00	55.00	4	20	0	3	1	0					0.00	0.00
R0212	1.31	64	42**	13.57	4.50	15.79	11.50	13.50	27.50	20.71	11.45	8.20	22.00	39.00	65.50	2	7	40	3	1	0					0.00	0.00
	149.79																					**0.00**	**0.00**	**27.68**	**871.78**	**40.59**	**557.29**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable/ Potentially Suitable Acreage Removed	Suitable/ Potentially Suitable BA Removed	Suitable/ Potentially Suitable Acreage Removed	Suitable/ Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp246*	2009	64797	Vehicle Recovery Area					9.87	0.00
pp246*	2009	n/a	Tank Trail Construction					0.14	0.00
pp759*	2009	64797	Vehicle Recovery Area					2.77	0.00
pp759*	2009	n/a	Tank Trail Construction					0.02	0.00
R0107	2009	64797	Vehicle Recovery Area					3.33	71.60
R0109	2009	64797	Vehicle Recovery Area			23.26	721.06		
R0109	2009	n/a	Tank Trail Construction			0.09	2.79		
R0125	2009	64797	Vehicle Recovery Area			1.37	56.17		
				0.00	**0.00**	**24.72**	**780.02**	**16.13**	**71.60**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**2.96**	**91.76**
Future Potential Habitat	**24.46**	**485.69**
TOTAL	**27.42**	**577.45**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
31P = Loblolly Pine Plantation
32 = Shortleaf Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-142. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **R01-03R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
P0165	7.18	13	31P	378.41	88.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	88.00	7	0	0	3	1	1.71	NH					0.00	0.00
P0172	13.31	53	31	38.55	11.50	16.40	11.00	7.93	10.50	20.34	2.98	0.71	3.00	21.50	36.00	8	18	13	3	1	2.80	PS					13.31	286.17
P0173	3.98	86	32	0.00	0.00	0.00	0.00	22.36	30.00	6.92	17.83	5.37	20.00	30.00	50.00	1	20	51	3	1	4.23	PS					0.00	0.00
pp245*	2.16	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp246*	10.52	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					10.52	0.00
pp46*	35.69	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
pp759*	4.15	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					4.15	0.00
R0107	12.61	43	25	33.15	9.50	21.90	16.50	4.09	5.00	2.24	0.65	0.68	2.00	21.50	33.00	2	19	5	3	1	2.74	PS					12.61	271.12
R0109	26.31	81	31	12.93	4.00	3.74	3.00	15.90	28.00	10.09	5.08	1.38	5.50	31.00	40.50	8	23	25	3	1	3.74	PS					26.31	815.61
R0117	18.30	87	42**	22.30	7.00	21.41	14.50	5.67	7.50	51.67	18.16	8.18	24.50	22.00	53.50	7	2	49	3	1	2.75	PS					0.00	0.00
R0118	0.96	39	31P	207.56	40.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	4	40	0	3	1	2.48	PS					0.00	0.00
R0125	1.37	30	31	20.22	6.00	25.93	19.00	15.07	22.00	5.57	6.71	1.82	7.50	41.00	54.50	6	14	17	3	1	3.42	NH					1.37	56.17
R0126	4.05	39	31	34.41	9.50	22.01	15.00	10.11	12.50	23.21	10.18	4.42	15.50	27.50	52.50	6	4	31	3	1	2.76	PS					0.00	0.00
R0127	1.56	87	31	14.32	5.00	46.31	30.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	35.00	2	15	0	3	1	2.96	PS					0.00	0.00
R0133	4.65	87	21	23.73	5.50	8.51	6.50	22.10	34.00	14.47	6.50	2.21	7.00	40.50	53.00	2	19	22	3	1	4.22	PS			0.00	0.00		
R0203	1.85	24	31	176.82	40.00	0.00	0.00	11.24	15.00	0.00	0.00	0.00	0.00	15.00	55.00	4	20	0	3	1	2.86	NH					0.00	0.00
R0212	1.31	64	42**	13.57	4.50	15.79	11.50	13.50	27.50	20.71	11.45	8.20	22.00	39.00	65.50	2	7	40	3	1	3.93	PS					0.00	0.00
	149.79																						**0.00**	**0.00**	**0.00**	**0.00**	**68.27**	**1,429.07**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable/ Potentially Suitable Acreage Removed	Suitable/ Potentially Suitable BA Removed	Suitable/ Potentially Suitable Acreage Removed	Suitable/ Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp246*	2009	64797	Vehicle Recovery Area					9.87	0.00
pp246*	2009	n/a	Tank Trail Construction					0.14	0.00
pp759*	2009	64797	Vehicle Recovery Area					2.77	0.00
pp759*	2009	n/a	Tank Trail Construction					0.02	0.00
R0107	2009	64797	Vehicle Recovery Area					3.33	71.60
R0109	2009	64797	Vehicle Recovery Area					23.26	721.06
R0109	2009	n/a	Tank Trail Construction					0.09	2.79
R0125	2009	64797	Vehicle Recovery Area					1.37	56.17
				0.00	**0.00**	**0.00**	**0.00**	**40.85**	**851.62**

POST-PROJECT

	2012 Acres	2012 BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**27.42**	**577.45**
TOTAL	**27.42**	**577.45**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine
31P = Loblolly Pine Plantation
32 = Shortleaf Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-143. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **R02-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
AOB10	18.98	58	10	37.23	13.00	20.63	14.00	8.74	12.50	8.32	6.29	6.21	15.00	26.50	54.50	3	15	30	3	1	0					18.98	502.97
AOB17	9.02	58	13	6.46	2.22	20.92	15.56	20.18	30.00	24.58	11.86	6.01	16.67	45.56	64.44	1	7	30	3	1	0	9.02	410.95				
AOB18	12.44	63	31	22.84	5.50	12.08	8.50	3.96	5.50	0.00	0.51	0.36	1.00	14.00	20.50	1	12	5	3	1	0					12.44	174.16
pp458*	3.14	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.00	0.00
R0127	0.01	87	31	14.32	5.00	46.31	30.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	35.00	2	15	0	3	1	0	0.01	0.30				
R0130	1.80	78	13	97.78	27.50	85.35	57.50	9.94	12.50	27.25	7.53	2.04	7.50	70.00	105.00	1	0	9	3	1	0			1.80	126.00		
R0131	11.48	39	26	46.84	12.50	21.18	15.00	11.71	16.00	13.55	0.00	1.71	2.00	31.00	45.50	1	24	5	3	1	0	11.48	355.88				
R0133	6.09	87	21	23.73	5.50	8.51	6.50	22.10	34.00	14.47	6.50	2.21	7.00	40.50	53.00	2	19	22	3	1	1	6.09	246.65				
R0211	16.00	67	31	9.10	3.16	3.58	2.63	16.40	32.11	20.40	17.55	9.45	26.32	34.74	64.21	6	3	57	3	1	0					0.00	0.00
R0212	31.90	64	42**	13.57	4.50	15.79	11.50	13.50	27.50	20.71	11.45	8.20	22.00	39.00	65.50	2	7	40	3	1	0					0.00	0.00
R0218	11.58	88	26	44.95	13.53	9.18	6.47	14.04	26.47	4.15	1.30	0.81	2.35	32.94	48.82	2	15	8	3	1	0	11.58	381.45				
R0219	9.20	88	26	43.79	13.16	17.03	11.58	17.60	28.95	15.84	8.35	5.97	15.26	40.53	68.95	1	6	29	3	1	0	9.20	372.88				
R0223	0.94	82	13	0.00	0.00	11.17	8.75	20.24	33.75	8.42	6.06	8.11	18.75	42.50	61.25	1	1	31	3	1	0	0.94	39.95				
R0226	15.73	75	26	10.40	2.50	9.09	6.50	28.63	51.00	11.97	2.86	1.89	5.00	57.50	65.00	1	17	11	3	1	1	15.73	904.48				
R0227	4.59	21	31	59.41	15.00	8.99	5.00	0.00	0.00	23.54	0.00	0.00	0.00	5.00	20.00	7	3	0	3	1	0					4.59	22.95
R0228	9.93	88	10	2.26	1.11	6.03	4.44	9.53	16.67	24.42	9.43	7.32	16.67	21.11	38.89	6	10	52	3	1	0					9.93	209.62
R0229	7.95	87	31	60.09	18.75	26.34	20.00	5.00	6.25	17.52	2.44	0.00	1.25	26.25	46.25	2	21	7	3	1	0					7.95	208.69
R0230	15.11	87	10	38.00	9.50	9.62	6.50	6.97	11.50	41.45	14.23	2.58	13.50	18.00	41.00	2	13	50	3	1	0					15.11	271.98
R0231	3.16	82	10	6.03	1.58	2.62	2.11	20.22	36.84	8.15	10.02	10.66	23.16	38.95	63.68	2	3	48	3	1	0	3.16	123.08				
R0235	9.53	75	25	31.19	5.56	13.69	10.00	37.72	65.56	4.16	0.00	1.02	2.22	75.56	83.33	6	16	2	3	1	0			9.53	720.09		
R0237	25.98	80	13	24.14	7.37	7.34	5.26	11.92	20.53	23.15	12.35	3.22	15.26	25.79	48.42	2	17	45	3	1	0					25.98	670.02
R0238	13.66	87	31	24.91	7.00	10.16	7.50	14.48	25.50	33.08	12.16	7.36	21.00	33.00	61.00	2	14	44	3	1	0	13.66	450.78				
R0242	0.19	92	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	0					0.19	0.00
S0104	1.31	52	21	18.25	5.00	2.28	1.50	11.94	24.00	2.24	1.15	1.29	4.50	25.50	35.00	1	31	15	3	1	0					1.31	33.41
	239.72																					**80.87**	**3,286.40**	**11.33**	**846.09**	**96.48**	**2,093.80**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
AOB17	2008	65322	General Instruction Building Complex	1.25	56.95				
AOB18	2008	65322	General Instruction Building Complex					10.95	153.30
AOB18	2008	65439	Road Improvements					0.44	6.16
R0237	2008	65439	Road Improvements					0.29	7.48
S0104	2008	65439	Road Improvements					0.64	16.32
			2008 SUB-TOTAL	**1.25**	**56.95**	**0.00**	**0.00**	**12.32**	**183.26**
AOB10	2009	64797	Vehicle Recovery Area					0.87	23.06
R0130	2009	64797	Vehicle Recovery Area			1.80	126.00		
R0131	2009	64797	Vehicle Recovery Area	11.48	355.88				
R0133	2009	64797	Vehicle Recovery Area	6.09	246.65				
R0226	2009	64797	Vehicle Recovery Area	0.34	19.55				
			2009 SUB-TOTAL	**17.91**	**622.08**	**1.80**	**126.00**	**0.87**	**23.06**
AOB10	2011	65248	Physical Fitness Center with Pool					6.57	174.11
S0104	2011	63799	3 ID BCT (Heavy) Complex					0.67	17.09
			2011 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**7.24**	**191.20**
AOB17	2012	64460	DS/GS Vehicle Maintenance Facility	5.42	246.94				
AOB18	2012	64460	DS/GS Vehicle Maintenance Facility					0.92	12.88
			2012 SUB-TOTAL	**5.42**	**246.94**	**0.00**	**0.00**	**0.92**	**12.88**
			TOTAL REMOVALS	**24.58**	**925.97**	**1.80**	**126.00**	**21.35**	**410.40**

POST-PROJECT

	2008		2009		2011		2012	
	Acres	**BA**	**Acres**	**BA**	**Acres**	**BA**	**Acres**	**BA**
Suitable Habitat	**79.62**	**3,229.45**	**61.71**	**2,607.37**	**61.71**	**2,607.37**	**56.29**	**2,360.43**
Potentially Suitable Habitat	**11.33**	**846.09**	**9.53**	**720.09**	**9.53**	**720.09**	**9.53**	**720.09**
Future Potential Habitat	**84.16**	**1,910.54**	**83.29**	**1,887.48**	**76.05**	**1,696.28**	**75.13**	**1,683.40**
TOTAL	**175.11**	**5,986.08**	**154.53**	**5,214.94**	**147.29**	**5,023.74**	**140.95**	**4,763.92**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
ND = No data provided

* Note: No pine data collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-144. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **R02-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
AOB10	18.98	58	10	37.23	13.00	20.63	14.00	8.74	12.50	8.32	6.29	6.21	15.00	26.50	54.50	3	15	30	3	1	3.14	PS					18.98	502.97
AOB17	9.02	58	13	6.46	2.22	20.92	15.56	20.18	30.00	24.58	11.86	6.01	16.67	45.56	64.44	1	7	30	3	1	3.99	PS					9.02	410.95
AOB18	12.44	63	31	22.84	5.50	12.08	8.50	3.96	5.50	0.00	0.51	0.36	1.00	14.00	20.50	1	12	5	3	1	2.99	PS					12.44	174.16
pp458*	3.14	0	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.00	0.00
R0127	0.01	87	31	14.32	5.00	46.31	30.00	0.00	0.00	0.00	0.00	0.00	0.00	30.00	35.00	2	15	0	3	1	2.96	PS					0.01	0.30
R0130	1.80	78	13	97.78	27.50	85.35	57.50	9.94	12.50	27.25	7.53	2.04	7.50	70.00	105.00	1	0	9	3	1	3.27	PS					1.80	126.00
R0131	11.48	39	26	46.84	12.50	21.18	15.00	11.71	16.00	13.55	0.00	1.71	2.00	31.00	45.50	1	24	5	3	1	3.29	PS					11.48	355.88
R0133	6.09	87	21	23.73	5.50	8.51	6.50	22.10	34.00	14.47	6.50	2.21	7.00	40.50	53.00	2	19	22	3	1	4.22	PS			6.09	246.65		
R0211	16.00	67	31	9.10	3.16	3.58	2.63	16.40	32.11	20.40	17.55	9.45	26.32	34.74	64.21	6	3	57	3	1	3.70	PS					0.00	0.00
R0212	31.90	64	42**	13.57	4.50	15.79	11.50	13.50	27.50	20.71	11.45	8.20	22.00	39.00	65.50	2	7	40	3	1	3.93	PS					0.00	0.00
R0218	11.58	88	26	44.95	13.53	9.18	6.47	14.04	26.47	4.15	1.30	0.81	2.35	32.94	48.82	2	15	8	3	1	3.80	PS					11.58	381.45
R0219	9.20	88	26	43.79	13.16	17.03	11.58	17.60	28.95	15.84	8.35	5.97	15.26	40.53	68.95	1	6	29	3	1	3.90	PS					9.20	372.88
R0223	0.94	82	13	0.00	0.00	11.17	8.75	20.24	33.75	8.42	6.06	8.11	18.75	42.50	61.25	1	1	31	3	1	4.13	PS			0.94	39.95		
R0226	15.73	75	26	10.40	2.50	9.09	6.50	28.63	51.00	11.97	2.86	1.89	5.00	57.50	65.00	1	17	11	3	1	4.23	PS			15.73	904.48		
R0227	4.59	21	31	59.41	15.00	8.99	5.00	0.00	0.00	23.54	0.00	0.00	0.00	5.00	20.00	7	3	0	3	1	1.79	NH					4.59	22.95
R0228	9.93	88	10	2.26	1.11	6.03	4.44	9.53	16.67	24.42	9.43	7.32	16.67	21.11	38.89	6	10	52	3	1	3.41	PS					9.93	209.62
R0229	7.95	87	31	60.09	18.75	26.34	20.00	5.00	6.25	17.52	2.44	0.00	1.25	26.25	46.25	2	21	7	3	1	3.05	PS					7.95	208.69
R0230	15.11	87	10	38.00	9.50	9.62	6.50	6.97	11.50	41.45	14.23	2.58	13.50	18.00	41.00	2	13	50	3	1	3.25	PS					15.11	271.98
R0231	3.16	82	10	6.03	1.58	2.62	2.11	20.22	36.84	8.15	10.02	10.66	23.16	38.95	63.68	2	3	48	3	1	4.08	PS					3.16	123.08
R0235	9.53	75	25	31.19	5.56	13.69	10.00	37.72	65.56	4.16	0.00	1.02	2.22	75.56	83.33	6	16	2	3	1	3.98	PS			9.53	720.09		
R0237	25.98	80	13	24.14	7.37	7.34	5.26	11.92	20.53	23.15	12.35	3.22	15.26	25.79	48.42	2	17	45	3	1	3.76	PS					25.98	670.02
R0238	13.66	87	31	24.91	7.00	10.16	7.50	14.48	25.50	33.08	12.16	7.36	21.00	33.00	61.00	2	14	44	3	1	4.01	PS					13.66	450.78
R0242	0.19	92	ND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	3	1	2.31	PS					0.19	0.00
S0104	1.31	52	21	18.25	5.00	2.28	1.50	11.94	24.00	2.24	1.15	1.29	4.50	25.50	35.00	1	31	15	3	1	3.84	PS					1.31	33.41
	239.72																						**0.00**	**0.00**	**32.29**	**1,911.17**	**156.39**	**4,315.12**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
AOB17	2008	65322	General Instruction Building Complex					1.25	56.95
AOB18	2008	65322	General Instruction Building Complex					10.95	153.30
AOB18	2008	65439	Road Improvements					0.44	6.16
R0237	2008	65439	Road Improvements					0.29	7.48
S0104	2008	65439	Road Improvements					0.64	16.32
			2008 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**13.57**	**240.21**
AOB10	2009	64797	Vehicle Recovery Area					0.87	23.06
R0130	2009	64797	Vehicle Recovery Area					1.80	126.00
R0131	2009	64797	Vehicle Recovery Area					11.48	355.88
R0133	2009	64797	Vehicle Recovery Area			6.09	246.65		
R0226	2009	64797	Vehicle Recovery Area			0.34	19.55		
			2009 SUB-TOTAL	**0.00**	**0.00**	**6.43**	**266.20**	**14.15**	**504.94**
AOB10	2011	65248	Physical Fitness Center with Pool					6.57	174.11
S0104	2011	63799	3 ID BCT (Heavy) Complex					0.67	17.09
			2011 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**7.24**	**191.20**
AOB17	2012	64460	DS/GS Vehicle Maintenance Facility					5.42	246.94
AOB18	2012	64460	DS/GS Vehicle Maintenance Facility					0.92	12.88
			2012 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**6.34**	**259.82**
			TOTAL REMOVALS	**0.00**	**0.00**	**6.43**	**266.20**	**41.30**	**1,196.17**

POST-PROJECT	**2008**		**2010**		**2011**		**2012**	
	Acres	**BA**	**Acres**	**BA**	**Acres**	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Potentially Suitable Habitat	**32.29**	**1,911.17**	**25.86**	**1,644.97**	**25.86**	**1,644.97**	**25.86**	**1,644.97**
Future Potential Habitat	**142.82**	**4,074.91**	**128.67**	**3,569.97**	**121.43**	**3,378.77**	**115.09**	**3,118.95**
TOTAL	**175.11**	**5,986.08**	**154.53**	**5,214.94**	**147.29**	**5,023.74**	**140.95**	**4,763.92**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)
ND = No data provided

* Note: No pine data collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-145. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **SHC-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
SHC10	15.39	75	31	25.77	5.50	4.95	4.00	12.00	23.50	15.49	13.07	6.34	20.00	27.50	53.00	7	19	53	3	1	0					15.39	423.23
SHC11	11.03	75	26	28.07	6.50	11.19	8.00	15.52	30.00	7.83	2.57	1.68	4.50	38.00	49.00	2	19	14	3	1	0	11.03	419.14				
SHC12	0.95	49	13	39.10	15.56	77.90	53.33	18.88	24.44	8.70	13.69	3.01	13.33	77.78	106.67	7	26	15	3	1	0			0.95	73.89		
SHC25	38.35	79	10	22.48	6.00	9.22	6.00	16.98	34.00	37.13	9.90	7.58	19.50	40.00	65.50	7	17	40	0	0	0			38.35	1,534.00		
SHC26	34.10	50	31	24.88	6.92	9.63	6.92	22.95	41.54	13.54	5.02	2.12	8.46	48.46	63.85	8	25	18	3	1	0			34.10	1,652.49		
SHC27	36.51	82	26	31.65	9.50	10.32	8.00	19.48	35.00	2.65	1.75	0.35	2.50	43.00	55.00	5	27	7	3	1	1			36.51	1,569.93		
SHC29	1.57	49	13	34.39	12.00	16.45	12.00	9.98	14.00	0.00	0.00	1.61	2.00	26.00	40.00	7	22	6	3	1	0					1.57	40.82
SHC40	15.97	95	31	37.45	13.00	45.25	30.50	10.24	14.00	8.95	0.53	0.72	2.00	44.50	59.50	1	30	2	3	1	1	15.97	710.67				
SHC41	26.41	91	31	50.97	14.38	4.43	3.13	9.88	21.25	5.95	1.96	2.17	5.63	24.38	44.38	6	11	22	3	1	0					26.41	643.88
SHC52	4.19	10	31	194.74	47.50	28.14	17.50	0.00	0.00	26.12	9.56	3.52	10.00	17.50	75.00	5	3	32	3	1	0					4.19	73.33
SHC55	14.49	85	21	38.42	8.95	4.68	3.16	8.86	20.53	0.00	0.00	0.00	0.00	23.68	32.63	1	62	0	3	1	0					14.49	343.12
SHC66	45.82	98	13	12.13	4.62	12.52	9.23	12.76	22.31	9.24	7.88	4.24	13.08	31.54	49.23	6	8	32	0	0	0			45.82	1,445.16		
	244.78																					**27.00**	**1,129.81**	**155.73**	**6,275.47**	**62.06**	**1,524.38**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
SHC10	2008	65439	Infrastructure Support (Utility Corridor)					0.68	18.70
SHC11	2008	65439	Infrastructure Support (Utility Corridor)	0.23	8.74				
SHC25	2008	64462/51256/67419	Reception Station Barracks & Processing Center			21.84	873.60		
SHC25	2008	65439	Infrastructure Support (Utility Corridor)			0.16	6.40		
SHC26	2008	65439	Infrastructure Support (Utility Corridor)			0.21	10.18		
SHC27	2008	65439	Infrastructure Support (Utility Corridor)			0.10	4.30		
SHC52	2008	64462/51256/67419	Reception Station Barracks & Processing Center					0.01	0.18
SHC55	2008	62956	Health Clinic Expansion - Winder					0.39	9.24
SHC66	2008	64462/51256/67419	Reception Station Barracks & Processing Center			3.01	94.94		
			TOTAL REMOVALS	**0.23**	**8.74**	**25.32**	**989.42**	**1.08**	**28.12**

POST-PROJECT	**2008**	
	Acres	**BA**
Suitable Habitat	**26.77**	**1,121.07**
Potentially Suitable Habitat	**130.41**	**5,286.05**
Future Potential Habitat	**60.98**	**1,496.26**
TOTAL	**218.15**	**7,903.38**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Table F-146. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **SHC-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Burn Type	Number of years since last burn	Matrix Stand Score	Matrix Suitability	Suitable Acreage	Potentially Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
SHC10	15.39	75	31	25.77	5.50	4.95	4.00	12.00	23.50	15.49	13.07	6.34	20.00	27.50	53.00	7	19	53	3	1	3.47	PS					15.39	423.23
SHC11	11.03	75	26	28.07	6.50	11.19	8.00	15.52	30.00	7.83	2.57	1.68	4.50	38.00	49.00	2	19	14	3	1	4.00	PS					11.03	419.14
SHC12	0.95	49	13	39.10	15.56	77.90	53.33	18.88	24.44	8.70	13.69	3.01	13.33	77.78	106.67	7	26	15	3	1	3.53	PS					0.95	73.89
SHC25	38.35	79	10	22.48	6.00	9.22	6.00	16.98	34.00	37.13	9.90	7.58	19.50	40.00	65.50	7	17	40	0	0	3.57	PS					38.35	1,534.00
SHC26	34.10	50	31	24.88	6.92	9.63	6.92	22.95	41.54	13.54	5.02	2.12	8.46	48.46	63.85	8	25	18	3	1	3.84	PS					34.10	1,652.49
SHC27	36.51	82	26	31.65	9.50	10.32	8.00	19.48	35.00	2.65	1.75	0.35	2.50	43.00	55.00	5	27	7	3	1	4.08	PS			36.51	1,569.93		
SHC29	1.57	49	13	34.39	12.00	16.45	12.00	9.98	14.00	0.00	0.00	1.61	2.00	26.00	40.00	7	22	6	3	1	2.91	PS					1.57	40.82
SHC40	15.97	95	31	37.45	13.00	45.25	30.50	10.24	14.00	8.95	0.53	0.72	2.00	44.50	59.50	1	30	2	3	1	3.69	PS					15.97	710.67
SHC41	26.41	91	31	50.97	14.38	4.43	3.13	9.88	21.25	5.95	1.96	2.17	5.63	24.38	44.38	6	11	22	3	1	3.47	PS					26.41	643.88
SHC52	4.19	10	31	194.74	47.50	28.14	17.50	0.00	0.00	26.12	9.56	3.52	10.00	17.50	75.00	5	3	32	3	1	1.83	NH					4.19	73.33
SHC55	14.49	85	21	38.42	8.95	4.68	3.16	8.86	20.53	0.00	0.00	0.00	0.00	23.68	32.63	1	62	0	3	1	3.89	PS					14.49	343.12
SHC66	45.82	98	13	12.13	4.62	12.52	9.23	12.76	22.31	9.24	7.88	4.24	13.08	31.54	49.23	6	8	32	0	0	3.34	PS					45.82	1,445.16
	244.78																						**0.00**	**0.00**	**36.51**	**1,569.93**	**208.27**	**7,359.73**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
SHC10	2008	65439	Infrastructure Support (Utility Corridor)					0.68	18.70
SHC11	2008	65439	Infrastructure Support (Utility Corridor)					0.23	8.74
SHC25	2008	64462/51256/67419	Reception Station Barracks & Processing Center					21.84	873.60
SHC25	2008	65439	Infrastructure Support (Utility Corridor)					0.16	6.40
SHC26	2008	65439	Infrastructure Support (Utility Corridor)					0.21	10.18
SHC27	2008	65439	Infrastructure Support (Utility Corridor)			0.10	4.30		
SHC52	2008	64462/51256/67419	Reception Station Barracks & Processing Center					0.01	0.18
SHC55	2008	62956	Health Clinic Expansion - Winder					0.39	9.24
SHC66	2008	64462/51256/67419	Reception Station Barracks & Processing Center					3.01	94.94
			TOTAL REMOVALS	**0.00**	**0.00**	**0.10**	**4.30**	**26.53**	**1,021.98**

POST-PROJECT	**2008**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**36.41**	**1,565.63**
Future Potential Habitat	**181.74**	**6,337.75**
TOTAL	**218.15**	**7,903.38**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
13 = Loblolly Pine-Hardwood
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
10 = Yellow Pine-Upland Hardwood

Table F-147. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T01-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
pp459*	0.14	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.14	0.00
T0101	9.80	65	31	28.33	8.89	24.20	16.67	8.51	14.44	3.10	1.85	0.00	1.11	31.11	41.11	2	38	5	3	1	0	9.80	304.88				
T0102	5.88	68	21	15.63	4.00	14.40	11.00	17.89	26.00	9.94	2.47	1.46	5.00	37.00	46.00	2	32	11	3	1	0	5.88	217.56				
T0209	1.41	62	21	38.25	10.50	21.12	14.00	5.08	7.00	3.67	2.28	2.55	6.00	21.00	37.50	2	28	16	3	1	0					1.41	29.61
T0210	12.65	55	21	36.26	9.50	16.50	11.50	7.63	12.00	9.09	5.87	2.05	7.50	23.50	40.50	1	31	25	3	1	0					12.65	297.28
T0218	27.57	66	21	29.02	8.00	17.87	12.00	6.58	10.50	20.59	3.41	5.44	12.50	22.50	43.00	3	26	27	3	2	0					27.57	620.33
T0219	42.89	65	21	15.21	4.50	20.07	14.00	11.31	17.50	7.45	1.95	1.53	4.00	31.50	40.00	2	36	10	3	2	0	42.89	1,351.04				
T0227	18.87	74	21	16.48	5.50	17.90	13.50	12.24	17.50	17.04	3.38	3.56	8.00	31.00	44.50	5	33	19	3	2	0			18.87	584.97		
T0231	0.95	52	26	17.35	4.50	14.73	10.50	21.34	31.00	1.30	0.00	0.39	1.00	41.50	47.00	2	32	1	3	2	1	0.95	39.43				
T0301	0.48	90	21	6.07	1.00	8.52	6.50	21.90	32.50	3.60	1.61	2.83	5.50	39.00	45.50	1	23	13	3	1	0	0.48	18.72				
T0307	10.98	83	21	23.21	7.00	15.84	12.00	18.09	26.50	1.27	0.59	0.26	1.00	38.50	46.50	1	35	2	3	1	0	10.98	422.73				
T0309	13.55	70	21	15.22	4.00	9.50	7.50	17.78	28.50	5.76	6.44	0.55	5.50	36.00	45.50	1	33	20	3	1	0	13.55	487.80				
	145.17																					**84.53**	**2,842.16**	**18.87**	**584.97**	**41.77**	**947.22**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp459*	2009	62207	Combined Arms Collective Training Facility, Phase II					0.14	0.00
T0101	2009	62207	Combined Arms Collective Training Facility, Phase II	1.63	50.71				
T0209	2009	62207	Combined Arms Collective Training Facility, Phase II					0.05	1.05
T0210	2009	62207	Combined Arms Collective Training Facility, Phase II					0.53	12.46
T0218	2009	62207	Combined Arms Collective Training Facility, Phase II					0.06	1.35
T0219	2009	62207	Combined Arms Collective Training Facility, Phase II	0.24	7.56				
			TOTAL REMOVALS	**1.87**	**58.27**	**0.00**	**0.00**	**0.78**	**14.86**

POST-PROJECT

	2009 Acres	2009 BA
Suitable Habitat	**82.66**	**2,783.89**
Potentially Suitable Habitat	**18.87**	**584.97**
Future Potential Habitat	**40.99**	**932.36**
TOTAL	**142.52**	**4,301.22**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-148. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T01-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
pp459*	0.14	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.14	0.00
T0101	9.80	65	31	28.33	8.89	24.20	16.67	8.51	14.44	3.10	1.85	0.00	1.11	31.11	41.11	2	38	5	3	1	3.57	PS					9.80	304.88
T0102	5.88	68	21	15.63	4.00	14.40	11.00	17.89	26.00	9.94	2.47	1.46	5.00	37.00	46.00	2	32	11	3	1	4.23	PS					5.88	217.56
T0209	1.41	62	21	38.25	10.50	21.12	14.00	5.08	7.00	3.67	2.28	2.55	6.00	21.00	37.50	2	28	16	3	1	3.24	PS					1.41	29.61
T0210	12.65	55	21	36.26	9.50	16.50	11.50	7.63	12.00	9.09	5.87	2.05	7.50	23.50	40.50	1	31	25	3	1	3.37	PS					12.65	297.28
T0218	27.57	66	21	29.02	8.00	17.87	12.00	6.58	10.50	20.59	3.41	5.44	12.50	22.50	43.00	3	26	27	3	2	3.57	PS					27.57	620.33
T0219	42.89	65	21	15.21	4.50	20.07	14.00	11.31	17.50	7.45	1.95	1.53	4.00	31.50	40.00	2	36	10	3	2	4.04	PS					42.89	1,351.04
T0227	18.87	74	21	16.48	5.50	17.90	13.50	12.24	17.50	17.04	3.38	3.56	8.00	31.00	44.50	5	33	19	3	2	3.81	PS					18.87	584.97
T0231	0.95	52	26	17.35	4.50	14.73	10.50	21.34	31.00	1.30	0.00	0.39	1.00	41.50	47.00	2	32	1	3	2	4.45	PS					0.95	39.43
T0301	0.48	90	21	6.07	1.00	8.52	6.50	21.90	32.50	3.60	1.61	2.83	5.50	39.00	45.50	1	23	13	3	1	4.28	PS					0.48	18.72
T0307	10.98	83	21	23.21	7.00	15.84	12.00	18.09	26.50	1.27	0.59	0.26	1.00	38.50	46.50	1	35	2	3	1	4.37	PS					10.98	422.73
T0309	13.55	70	21	15.22	4.00	9.50	7.50	17.78	28.50	5.76	6.44	0.55	5.50	36.00	45.50	1	33	20	3	1	4.23	PS					13.55	487.80
	145.17																						**0.00**	**0.00**	**0.00**	**0.00**	**145.17**	**4,374.35**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp459*	2009	62207	Combined Arms Collective Training Facility, Phase II					0.14	0.00
T0101	2009	62207	Combined Arms Collective Training Facility, Phase II					1.63	50.71
T0209	2009	62207	Combined Arms Collective Training Facility, Phase II					0.05	1.05
T0210	2009	62207	Combined Arms Collective Training Facility, Phase II					0.53	12.46
T0218	2009	62207	Combined Arms Collective Training Facility, Phase II					0.06	1.35
T0219	2009	62207	Combined Arms Collective Training Facility, Phase II					0.24	7.56
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**2.65**	**73.13**

POST-PROJECT **2009**

	Acres	BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**142.52**	**4,301.22**
TOTAL	**142.52**	**4,301.22**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

*Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-149. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T02-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0218	13.79	39	31	18.17	5.50	14.66	9.50	11.84	17.50	5.56	1.15	2.11	5.50	27.00	38.00	1	17	11	3	1	0					13.79	372.33
J0329	28.16	45	25	47.54	15.00	30.67	21.00	9.80	15.50	11.95	1.46	0.39	2.00	36.50	53.50	2	40	4	3	1	0	28.16	1,027.84				
pp242*	6.20	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					6.20	0.00
pp459*	10.30	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					10.30	0.00
pp685*	0.76	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.76	0.00
pp937*	0.50	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.50	0.00
T0204	0.87	95	10	4.77	2.00	10.94	7.00	10.04	21.50	27.16	22.17	13.12	37.50	28.50	68.00	7	17	63	3	1	0					0.87	24.80
T0206	7.05	84	31	6.06	2.86	8.29	5.71	2.31	2.86	0.00	6.05	2.63	8.57	8.57	20.00	2	17	45	3	1	0					7.05	60.42
T0209	4.39	62	21	38.25	10.50	21.12	14.00	5.08	7.00	3.67	2.28	2.55	6.00	21.00	37.50	2	28	16	3	1	0					4.39	92.19
T0210	58.28	55	21	36.26	9.50	16.50	11.50	7.63	12.00	9.09	5.87	2.05	7.50	23.50	40.50	1	31	25	3	1	0					58.28	1,369.58
T0214	8.62	72	21	23.38	6.00	2.72	2.00	5.69	10.00	21.45	6.89	5.72	14.50	12.00	32.50	5	24	60	3	1	0					8.62	103.44
T0216	11.06	66	21	54.42	14.00	19.87	13.50	8.28	12.00	11.74	1.77	0.49	2.50	25.50	42.00	1	28	7	3	1	0					11.06	282.03
T0218	27.72	66	21	29.02	8.00	17.87	12.00	6.58	10.50	20.59	3.41	5.44	12.50	22.50	43.00	3	26	27	3	2	0					27.72	623.70
T0226	5.51	61	11	39.38	11.50	14.62	9.50	5.11	7.00	20.54	6.13	4.01	11.00	16.50	39.00	5	29	34	3	2	0					5.51	90.92
	183.21																					**28.16**	**1,027.84**	**0.00**	**0.00**	**155.05**	**3,019.41**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp459*	2009	62207	Combined Arms Collective Training Facility, Phase II					10.30	0.00
T0210	2009	62207	Combined Arms Collective Training Facility, Phase II					1.70	39.95
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**12.00**	**39.95**

POST-PROJECT	**2009**	
	Acres	**BA**
Suitable Habitat	**28.16**	**1,027.84**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**143.05**	**2,979.46**
TOTAL	**171.21**	**4,007.30**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
10 = Yellow Pine-Upland Hardwood
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-150. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T02-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0218	13.79	39	31	18.17	5.50	14.66	9.50	11.84	17.50	5.56	1.15	2.11	5.50	27.00	38.00	1	17	11	3	1	3.27	PS					13.79	372.33
J0329	28.16	45	25	47.54	15.00	30.67	21.00	9.80	15.50	11.95	1.46	0.39	2.00	36.50	53.50	2	40	4	3	1	3.58	PS					28.16	1,027.84
pp242*	6.20	7	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					6.20	0.00
pp459*	10.30	12	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					10.30	0.00
pp685*	0.76	3	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.76	0.00
pp937*	0.50	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.50	0.00
T0204	0.87	95	10	4.77	2.00	10.94	7.00	10.04	21.50	27.16	22.17	13.12	37.50	28.50	68.00	7	17	63	3	1	3.48	PS					0.87	24.80
T0206	7.05	84	31	6.06	2.86	8.29	5.71	2.31	2.86	0.00	6.05	2.63	8.57	8.57	20.00	2	17	45	3	1	2.86	PS					7.05	60.42
T0209	4.39	62	21	38.25	10.50	21.12	14.00	5.08	7.00	3.67	2.28	2.55	6.00	21.00	37.50	2	28	16	3	1	3.24	PS					4.39	92.19
T0210	58.28	55	21	36.26	9.50	16.50	11.50	7.63	12.00	9.09	5.87	2.05	7.50	23.50	40.50	1	31	25	3	1	3.37	PS					58.28	1,369.58
T0214	8.62	72	21	23.38	6.00	2.72	2.00	5.69	10.00	21.45	6.89	5.72	14.50	12.00	32.50	5	24	60	3	1	3.15	PS					8.62	103.44
T0216	11.06	66	21	54.42	14.00	19.87	13.50	8.28	12.00	11.74	1.77	0.49	2.50	25.50	42.00	1	28	7	3	1	3.37	PS					11.06	282.03
T0218	27.72	66	21	29.02	8.00	17.87	12.00	6.58	10.50	20.59	3.41	5.44	12.50	22.50	43.00	3	26	27	3	2	3.57	PS					27.72	623.70
T0226	5.51	61	11	39.38	11.50	14.62	9.50	5.11	7.00	20.54	6.13	4.01	11.00	16.50	39.00	5	29	34	3	2	3.11	PS					5.51	90.92
	183.21																						**0.00**	**0.00**	**0.00**	**0.00**	**183.21**	**4,047.25**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp459*	2009	62207	Combined Arms Collective Training Facility, Phase II					10.30	0.00
T0210	2009	62207	Combined Arms Collective Training Facility, Phase II					1.70	39.95
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**12.00**	**39.95**

POST-PROJECT

	2009 Acres	BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**171.21**	**4,007.30**
SUB-TOTAL	**171.21**	**4,007.30**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
10 = Yellow Pine-Upland Hardwood
11 = Longleaf Pine-Hardwood
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-151. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T03-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0414	1.98	53	42**	5.27	2.00	10.84	7.50	9.45	13.00	10.28	5.97	1.50	7.00	20.50	29.50	1	31	27	3	1	0					0.00	0.00
J0416	23.06	57	26	6.57	2.00	12.14	8.50	11.84	18.00	14.69	5.47	1.79	6.50	26.50	35.00	1	34	23	3	1	0					23.06	611.09
J0524	2.46	60	31	7.78	1.50	13.51	10.00	17.17	24.00	4.97	0.97	1.59	2.50	34.00	38.00	1	47	8	3	1	0	2.46	83.64				
pp211*	0.18	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.18	0.00
T0302	11.21	52	25	59.93	14.00	8.76	7.00	8.50	13.50	12.76	5.40	4.07	10.00	20.50	44.50	1	24	35	3	1	0					11.21	229.81
T0303	55.96	77	21	50.03	14.00	15.20	12.00	14.77	21.00	16.44	1.28	0.61	2.00	33.00	49.00	1	39	6	3	1	0	55.96	1,846.68				
T0304	16.43	66	31	36.84	9.00	14.29	10.50	18.67	31.50	4.63	0.72	0.35	2.00	42.00	53.00	4	27	3	3	1	1			16.43	690.06		
T0307	39.32	83	21	23.21	7.00	15.84	12.00	18.09	26.50	1.27	0.59	0.26	1.00	38.50	46.50	1	35	2	3	1	0	39.32	1,513.82				
T0308	51.86	89	21	11.35	3.00	10.53	8.00	19.70	34.00	10.17	0.00	0.83	1.50	42.00	46.50	1	30	3	3	1	1	51.86	2,178.12				
T0410	2.85	48	21	34.06	10.50	11.52	8.00	15.04	23.50	20.26	5.01	2.17	6.50	31.50	48.50	1	33	21	3	1	0	0.00	0.00				
	205.31																					**149.60**	**5,622.26**	**16.43**	**690.06**	**34.45**	**840.90**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0416	2010	65557	Repair/ Upgrade Existing Training Area Roads					2.27	60.16
J0524	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.75	25.50				
T0303	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.60	19.80				
T0304	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.08	3.36		
T0307	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.20	7.70				
			TOTAL REMOVALS	**1.55**	**53.00**	**0.08**	**3.36**	**2.27**	**60.16**

POST-PROJECT **2010**

	Acres	BA
Suitable Habitat	**148.05**	**5,569.26**
Potentially Suitable Habitat	**16.35**	**686.70**
Future Potential Habitat	**32.18**	**780.74**
TOTAL	**196.58**	**7,036.70**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-152. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T03-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0414	1.98	53	42**	5.27	2.00	10.84	7.50	9.45	13.00	10.28	5.97	1.50	7.00	20.50	29.50	1	31	27	3	1	3.56	PS					0.00	0.00
J0416	23.06	57	26	6.57	2.00	12.14	8.50	11.84	18.00	14.69	5.47	1.79	6.50	26.50	35.00	1	34	23	3	1	3.70	PS					23.06	611.09
J0524	2.46	60	31	7.78	1.50	13.51	10.00	17.17	24.00	4.97	0.97	1.59	2.50	34.00	38.00	1	47	8	3	1	4.33	PS					2.46	83.64
pp211	0.18	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					0.18	0.00
T0302	11.21	52	25	59.93	14.00	8.76	7.00	8.50	13.50	12.76	5.40	4.07	10.00	20.50	44.50	1	24	35	3	1	3.23	PS					11.21	229.81
T0303	55.96	77	21	50.03	14.00	15.20	12.00	14.77	21.00	16.44	1.28	0.61	2.00	33.00	49.00	1	39	6	3	1	4.15	PS					55.96	1,846.68
T0304	16.43	66	31	36.84	9.00	14.29	10.50	18.67	31.50	4.63	0.72	0.35	2.00	42.00	53.00	4	27	3	3	1	4.18	PS			16.43	690.06		
T0307	39.32	83	21	23.21	7.00	15.84	12.00	18.09	26.50	1.27	0.59	0.26	1.00	38.50	46.50	1	35	2	3	1	4.37	PS					39.32	1,513.82
T0308	51.86	89	21	11.35	3.00	10.53	8.00	19.70	34.00	10.17	0.00	0.83	1.50	42.00	46.50	1	30	3	3	1	4.33	PS			51.86	2,178.12		
T0410	2.85	48	21	34.06	10.50	11.52	8.00	15.04	23.50	20.26	5.01	2.17	6.50	31.50	48.50	1	33	21	3	1	3.84	PS					0.00	0.00
	205.31																						**0.00**	**0.00**	**68.29**	**2,868.18**	**132.19**	**4,285.04**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
J0416	2010	65557	Repair/ Upgrade Existing Training Area Roads					2.27	60.16
J0524	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.75	25.50
T0303	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.60	19.80
T0304	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.08	3.36		
T0307	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.20	7.70
			TOTAL REMOVALS	**0.00**	**0.00**	**0.08**	**3.36**	**3.82**	**113.16**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**68.21**	**2,864.82**
Future Potential Habitat	**128.37**	**4,171.88**
TOTAL	**196.58**	**7,036.70**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
42** = Upland Hardwood-Yellow Pine (managed for hardwoods)

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-153. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T03-04R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0323	2.46	77	26	35.38	9.50	16.78	12.00	19.41	29.00	9.55	6.60	2.40	8.00	41.00	58.50	1	28	20	3	1	1	2.46	100.86				
J0326	37.69	95	25	59.37	15.00	24.78	16.00	13.63	20.50	22.64	5.28	2.64	8.50	36.50	60.00	1	18	17	3	1	0	37.69	1,375.69				
J0329	4.66	45	25	47.54	15.00	30.67	21.00	9.80	15.50	11.95	1.46	0.39	2.00	36.50	53.50	2	40	4	3	1	0	4.66	170.09				
pp208*	0.40	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.40	0.00
pp209*	2.47	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					2.47	0.00
pp459*	1.00	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.00	0.00
pp937*	0.35	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					0.35	0.00
T0209	16.40	62	21	38.25	10.50	21.12	14.00	5.08	7.00	3.67	2.28	2.55	6.00	21.00	37.50	2	28	16	3	1	0					16.40	344.40
T0210	14.48	55	21	36.26	9.50	16.50	11.50	7.63	12.00	9.09	5.87	2.05	7.50	23.50	40.50	1	31	25	3	1	0					14.48	340.28
T0301	31.55	90	21	6.07	1.00	8.52	6.50	21.90	32.50	3.60	1.61	2.83	5.50	39.00	45.50	1	23	13	3	1	0	31.55	1,230.45				
T0302	15.95	52	25	59.93	14.00	8.76	7.00	8.50	13.50	12.76	5.40	4.07	10.00	20.50	44.50	1	24	35	3	1	0					15.95	326.98
T0307	34.40	83	21	23.21	7.00	15.84	12.00	18.09	26.50	1.27	0.59	0.26	1.00	38.50	46.50	1	35	2	3	1	0	34.40	1,324.40				
T0309	2.35	70	21	15.22	4.00	9.50	7.50	17.78	28.50	5.76	6.44	0.55	5.50	36.00	45.50	1	33	20	3	1	0	2.35	84.60				
	164.16																					**113.11**	**4,286.09**	**0.00**	**0.00**	**51.05**	**1,011.66**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp459*	2009	62207	Combined Arms Collective Training Facility, Phase II (CACTF)					1.00	0.00
T0209	2009	62207	Combined Arms Collective Training Facility, Phase II (CACTF)					0.13	2.73
T0210	2009	62207	Combined Arms Collective Training Facility, Phase II (CACTF)					4.37	102.70
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**5.50**	**105.43**
J0323	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.62	25.42				
J0326	2010	65557	Repair/ Upgrade Existing Training Area Roads	2.09	76.29				
J0329	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.06	2.19				
T0209	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.99	20.79
T0301	2010	65557	Repair/ Upgrade Existing Training Area Roads	1.36	53.04				
T0302	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.01	0.21
			2010 SUB-TOTAL	**4.13**	**156.94**	**0.00**	**0.00**	**1.00**	**21.00**
			TOTAL REMOVALS	**4.13**	**156.94**	**0.00**	**0.00**	**6.50**	**126.43**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**113.11**	**4,286.09**	108.98	**4,129.15**
Potentially Suitable Habitat	**0.00**	**0.00**	**0.00**	**0.00**
Future Potential Habitat	**45.55**	**906.23**	**44.55**	**885.23**
TOTAL	**158.66**	**5,192.32**	**153.53**	**5,014.38**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-154. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T03-04R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
J0323	2.46	77	26	35.38	9.50	16.78	12.00	19.41	29.00	9.55	6.60	2.40	8.00	41.00	58.50	1	28	20	3	1					2.46	100.86		
J0326	37.69	95	25	59.37	15.00	24.78	16.00	13.63	20.50	22.64	5.28	2.64	8.50	36.50	60.00	1	18	17	3	1							37.69	1,375.69
J0329	4.66	45	25	47.54	15.00	30.67	21.00	9.80	15.50	11.95	1.46	0.39	2.00	36.50	53.50	2	40	4	3	1							4.66	170.09
pp208*	0.40	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0							0.40	0.00
pp209*	2.47	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0							2.47	0.00
pp459*	1.00	13	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0							1.00	0.00
pp937*	0.35	1	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0							0.35	0.00
T0209	16.40	62	21	38.25	10.50	21.12	14.00	5.08	7.00	3.67	2.28	2.55	6.00	21.00	37.50	2	28	16	3	1							16.40	344.40
T0210	14.48	55	21	36.26	9.50	16.50	11.50	7.63	12.00	9.09	5.87	2.05	7.50	23.50	40.50	1	31	25	3	1							14.48	340.28
T0301	31.55	90	21	6.07	1.00	8.52	6.50	21.90	32.50	3.60	1.61	2.83	5.50	39.00	45.50	1	23	13	3	1							31.55	1,230.45
T0302	15.95	52	25	59.93	14.00	8.76	7.00	8.50	13.50	12.76	5.40	4.07	10.00	20.50	44.50	1	24	35	3	1							15.95	326.98
T0307	34.40	83	21	23.21	7.00	15.84	12.00	18.09	26.50	1.27	0.59	0.26	1.00	38.50	46.50	1	35	2	3	1							34.40	1,324.40
T0309	2.35	70	21	15.22	4.00	9.50	7.50	17.78	28.50	5.76	6.44	0.55	5.50	36.00	45.50	1	33	20	3	1							2.35	84.60
	164.16																						**0.00**	**0.00**	**2.46**	**100.86**	**161.70**	**5,196.89**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
pp459*	2009	62207	Combined Arms Collective Training Facility, Phase II (CACTF)					1.00	0.00
T0209	2009	62207	Combined Arms Collective Training Facility, Phase II (CACTF)					0.13	2.73
T0210	2009	62207	Combined Arms Collective Training Facility, Phase II (CACTF)					4.37	102.70
			2009 SUB-TOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**5.50**	**105.43**
J0323	2010	65557	Repair/ Upgrade Existing Training Area Roads			0.62	25.42		
J0326	2010	65557	Repair/ Upgrade Existing Training Area Roads					2.09	76.29
J0329	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.06	2.19
T0209	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.99	20.79
T0301	2010	65557	Repair/ Upgrade Existing Training Area Roads					1.36	53.04
T0302	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.01	0.21
			2010 SUB-TOTAL	**0.00**	**0.00**	**0.62**	**25.42**	**4.51**	**152.52**
			TOTAL REMOVALS	**0.00**	**0.00**	**0.62**	**25.42**	**10.01**	**257.95**

POST-PROJECT	**2009**		**2010**	
	Acres	**BA**	**Acres**	**BA**
Suitable Habitat	**0.00**	**0.00**	0.00	**0.00**
Potentially Suitable Habitat	**2.46**	**100.86**	**1.84**	**75.44**
Future Potential Habitat	**156.20**	**5,091.46**	**151.69**	**4,938.94**
TOTAL	**158.66**	**5,192.32**	**153.53**	**5,014.38**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-155. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T04-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0301	2.76	49	21	11.10	3.00	18.35	14.50	24.86	36.50	6.14	0.86	0.94	2.00	51.00	56.00	1	36	4	3	1	1	2.76	140.76				
E0303	0.42	18	31	25.56	7.50	30.17	21.50	18.91	26.50	11.32	3.52	3.07	7.50	48.00	63.00	1	29	12	3	1	0					0.42	20.16
pp485*	17.57	17	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					17.57	0.00
T0415	3.12	59	21	16.73	4.50	32.24	21.00	13.05	17.00	5.91	2.58	0.67	3.00	38.00	45.50	1	25	7	3	1	0	3.12	118.56				
T0416	23.18	54	25	10.77	3.00	22.08	15.00	14.46	21.50	8.25	4.54	3.25	7.50	36.50	47.00	1	28	18	3	1	0	23.18	846.07				
T0505	5.89	17	26P	123.09	31.11	11.60	7.78	1.09	1.11	11.20	3.64	0.00	3.33	8.89	43.33	5	31	22	3	1	0					5.89	52.36
T0506	32.20	59	21	14.47	4.50	10.92	8.50	17.38	26.00	18.66	2.20	0.60	2.50	34.50	41.50	1	29	9	3	1	0	32.20	1,110.90				
T0507	23.62	54	25	52.56	11.50	22.15	17.00	18.40	25.50	12.90	5.00	2.89	9.00	42.50	63.00	1	36	16	3	1	1	23.62	1,003.85				
T0516	18.58	97	21	14.38	4.00	17.86	12.50	15.90	21.50	6.56	4.02	0.68	4.00	34.00	42.00	1	28	12	3	1	0	18.58	631.72				
T0519	16.49	67	21	15.32	4.50	13.85	10.00	15.22	21.50	14.62	4.05	1.21	5.00	31.50	41.00	1	31	15	3	1	0	16.49	519.44				
T0520	9.88	67	21	7.25	2.00	9.30	7.50	25.10	37.50	3.49	0.56	0.53	1.50	45.00	48.50	1	41	3	3	1	1	9.88	444.60				
	153.71																					**129.83**	**4,815.90**	**0.00**	**0.00**	**23.88**	**72.52**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
E0301	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.97	49.47				
E0303	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.14	6.72
T0516	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.15	5.10				
T0519	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.02	0.63				
T0520	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.33	14.85				
			TOTAL REMOVALS	**1.47**	**70.05**	**0.00**	**0.00**	**0.14**	**6.72**

POST-PROJECT

	2010 Acres	2010 BA
Suitable Habitat	**128.36**	**4,745.85**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**23.74**	**65.80**
TOTAL	**152.10**	**4,811.65**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-156. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T04-01**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0301	2.76	49	21	11.10	3.00	18.35	14.50	24.86	36.50	6.14	0.86	0.94	2.00	51.00	56.00	1	36	4	3	1	4.15	PS					2.76	140.76
E0303	0.42	18	31	25.56	7.50	30.17	21.50	18.91	26.50	11.32	3.52	3.07	7.50	48.00	63.00	1	29	12	3	1	3.76	NH					0.42	20.16
pp485*	17.57	17	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					17.57	0.00
T0415	3.12	59	21	16.73	4.50	32.24	21.00	13.05	17.00	5.91	2.58	0.67	3.00	38.00	45.50	1	25	7	3	1	3.85	PS					3.12	118.56
T0416	23.18	54	25	10.77	3.00	22.08	15.00	14.46	21.50	8.25	4.54	3.25	7.50	36.50	47.00	1	28	18	3	1	3.99	PS					23.18	846.07
T0505	5.89	17	26P	123.09	31.11	11.60	7.78	1.09	1.11	11.20	3.64	0.00	3.33	8.89	43.33	5	31	22	3	1	2.13	NH					5.89	52.36
T0506	32.20	59	21	14.47	4.50	10.92	8.50	17.38	26.00	18.66	2.20	0.60	2.50	34.50	41.50	1	29	9	3	1	3.99	PS					32.20	1,110.90
T0507	23.62	54	25	52.56	11.50	22.15	17.00	18.40	25.50	12.90	5.00	2.89	9.00	42.50	63.00	1	36	16	3	1	4.22	PS					23.62	1,003.85
T0516	18.58	97	21	14.38	4.00	17.86	12.50	15.90	21.50	6.56	4.02	0.68	4.00	34.00	42.00	1	28	12	3	1	4.13	PS					18.58	631.72
T0519	16.49	67	21	15.32	4.50	13.85	10.00	15.22	21.50	14.62	4.05	1.21	5.00	31.50	41.00	1	31	15	3	1	4.18	PS					16.49	519.44
T0520	9.88	67	21	7.25	2.00	9.30	7.50	25.10	37.50	3.49	0.56	0.53	1.50	45.00	48.50	1	41	3	3	1	4.53	CS	9.88	444.60				
	153.71																						**9.88**	**444.60**	**0.00**	**0.00**	**143.83**	**4,443.82**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
E0301	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.97	49.47
E0303	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.14	6.72
T0516	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.15	5.10
T0519	2010	65557	Repair/ Upgrade Existing Training Area Roads					0.02	0.63
T0520	2010	65557	Repair/ Upgrade Existing Training Area Roads	0.33	14.85				
			TOTAL REMOVALS	**0.33**	**14.85**	**0.00**	**0.00**	**1.28**	**61.92**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**9.55**	**429.75**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**142.55**	**4,381.90**
TOTAL	**152.10**	**4,811.65**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
25 = Mixed Pine
26 = Mixed Pine-Longleaf
31 = Loblolly Pine

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-157. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T05-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0803	0.47	49	31	14.68	4.50	32.98	24.50	18.72	25.50	0.00	0.00	0.23	0.50	50.00	55.00	1	40	0	3	2	1	0.47	23.50				
E0804	1.31	49	21	37.21	11.50	24.23	18.00	17.81	26.50	3.35	1.83	1.71	4.00	44.50	60.00	2	38	8	3	2	1	1.31	58.30				
pp472*	33.13	16	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					33.13	0.00
pp485*	9.01	17	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					9.01	0.00
pp637*	1.95	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					1.95	0.00
T0405	0.10	40	31	43.85	13.50	36.59	27.00	8.19	12.00	2.40	2.27	1.87	4.50	39.00	57.00	1	29	8	3	1	0	0.10	3.90				
T0406	4.08	51	26	23.02	6.50	20.08	14.50	16.88	22.00	4.77	2.00	1.31	3.50	36.50	46.50	1	30	8	3	1	0	4.08	148.92				
T0414	8.86	59	21	75.02	23.00	54.80	36.00	6.77	8.50	15.43	2.77	0.62	3.00	44.50	70.50	1	14	5	3	1	0			8.86	394.27		
T0415	8.30	59	21	16.73	4.50	32.24	21.00	13.05	17.00	5.91	2.58	0.67	3.00	38.00	45.50	1	25	7	3	1	0	8.30	315.40				
T0418	2.14	59	21	46.60	10.00	25.32	20.00	15.64	25.00	0.00	0.00	0.00	0.00	45.00	55.00	1	15	0	3	1	1	2.14	96.30				
T0505	3.13	17	26P	123.09	31.11	11.60	7.78	1.09	1.11	11.20	3.64	0.00	3.33	8.89	43.33	5	31	22	3	1	0					3.13	27.83
T0506	0.80	59	21	14.47	4.50	10.92	8.50	17.38	26.00	18.66	2.20	0.60	2.50	34.50	41.50	1	29	9	3	1	0	0.80	27.60				
T0512	32.21	64	26	17.26	4.50	11.52	8.50	14.41	23.50	0.00	0.00	0.29	0.50	32.00	37.00	1	37	1	3	1	0	32.21	1,030.72				
T0513	26.31	67	21	16.43	5.50	15.62	10.50	9.03	13.50	14.41	1.63	2.98	5.50	24.00	35.00	1	16	16	3	1	0					26.31	631.44
T0514	5.71	17	53**	19.59	6.67	6.91	5.00	0.00	0.00	24.73	14.46	0.71	11.67	5.00	23.33	6	13	69	3	1	0					0.00	0.00
T0519	13.20	67	21	15.32	4.50	13.85	10.00	15.22	21.50	14.62	4.05	1.21	5.00	31.50	41.00	1	31	15	3	1	0	13.20	415.80				
T0527	37.29	16	31P	304.15	62.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	1	42	0	3	1	0					37.29	0.00
	188.00																					**62.61**	**2,120.44**	**8.86**	**394.27**	**110.82**	**659.27**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
E0803	2010	65557	Repair Existing Training Area Roads	0.29	14.50				
E0804	2010	65557	Repair Existing Training Area Roads	0.52	23.14				
T0512	2010	65557	Repair Existing Training Area Roads	0.41	13.12				
			TOTAL REMOVALS	**1.22**	**50.76**	**0.00**	**0.00**	**0.00**	**0.00**

POST-PROJECT	**2010**	
	Acres	**BA**
Suitable Habitat	**61.39**	**2,069.68**
Potentially Suitable Habitat	**8.86**	**394.27**
Future Potential Habitat	**110.82**	**659.27**
TOTAL	**181.07**	**3,123.22**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1=non-growing season
2=growing season

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation
53** = White Oak-Red Oak-Hickory (managed for hardwoods)

Stand Score
0=Unsuitable
1=Suitable

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-158. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **T05-02**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
E0803	0.47	49	31	14.68	4.50	32.98	24.50	18.72	25.50	0.00	0.00	0.23	0.50	50.00	55.00	1	40	0	3	2	4.41	PS					0.47	23.50
E0804	1.31	49	21	37.21	11.50	24.23	18.00	17.81	26.50	3.35	1.83	1.71	4.00	44.50	60.00	2	38	8	3	2	4.09	PS					1.31	58.30
pp472*	33.13	16	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					33.13	0.00
pp485*	9.01	17	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					9.01	0.00
pp637*	1.95	5	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					1.95	0.00
T0405	0.10	40	31	43.85	13.50	36.59	27.00	8.19	12.00	2.40	2.27	1.87	4.50	39.00	57.00	1	29	8	3	1	3.19	PS					0.10	3.90
T0406	4.08	51	26	23.02	6.50	20.08	14.50	16.88	22.00	4.77	2.00	1.31	3.50	36.50	46.50	1	30	8	3	1	4.08	PS					4.08	148.92
T0414	8.86	59	21	75.02	23.00	54.80	36.00	6.77	8.50	15.43	2.77	0.62	3.00	44.50	70.50	1	14	5	3	1	3.09	PS					8.86	394.27
T0415	8.30	59	21	16.73	4.50	32.24	21.00	13.05	17.00	5.91	2.58	0.67	3.00	38.00	45.50	1	25	7	3	1	3.85	PS					8.30	315.40
T0418	2.14	59	21	46.60	10.00	25.32	20.00	15.64	25.00	0.00	0.00	0.00	0.00	45.00	55.00	1	15	0	3	1	3.86	PS					2.14	96.30
T0505	3.13	17	26P	123.09	31.11	11.60	7.78	1.09	1.11	11.20	3.64	0.00	3.33	8.89	43.33	5	31	22	3	1	2.13	NH					3.13	27.83
T0506	0.80	59	21	14.47	4.50	10.92	8.50	17.38	26.00	18.66	2.20	0.60	2.50	34.50	41.50	1	29	9	3	1	3.99	PS					0.80	27.60
T0512	32.21	64	26	17.26	4.50	11.52	8.50	14.41	23.50	0.00	0.00	0.29	0.50	32.00	37.00	1	37	1	3	1	4.18	PS					32.21	1,030.72
T0513	26.31	67	21	16.43	5.50	15.62	10.50	9.03	13.50	14.41	1.63	2.98	5.50	24.00	35.00	1	16	16	3	1	3.50	PS					26.31	631.44
T0514	5.71	17	53	19.59	6.67	6.91	5.00	0.00	0.00	24.73	14.46	0.71	11.67	5.00	23.33	6	13	69	3	1	2.08	NH					0.00	0.00
T0519	13.20	67	21	15.32	4.50	13.85	10.00	15.22	21.50	14.62	4.05	1.21	5.00	31.50	41.00	1	31	15	3	1	4.18	PS					13.20	415.80
T0527	37.29	16	31P	304.15	62.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	62.00	1	42	0	3	1	2.46	NH					37.29	0.00
	188.00																						**0.00**	**0.00**	**0.00**	**0.00**	**182.29**	**3,173.98**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
E0803	2010	65557	Repair Existing Training Area Roads					0.29	14.50
E0804	2010	65557	Repair Existing Training Area Roads					0.52	23.14
T0512	2010	65557	Repair Existing Training Area Roads					0.41	13.12
			TOTAL REMOVALS	**0.00**	**0.00**	**0.00**	**0.00**	**1.22**	**50.76**

POST-PROJECT

	2010	
	Acres	**BA**
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**0.00**	**0.00**
Future Potential Habitat	**181.07**	**3,123.22**
TOTAL	**181.07**	**3,123.22**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
21 = Longleaf Pine
21P = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
26P = Mixed Pine-Longleaf Plantation
31 = Loblolly Pine
31P = Loblolly Pine Plantation
53** = White Oak-Red Oak-Hickory (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Table F-159. Red-cockaded woodpecker foraging habitat totals and project removals using the **Standard for Managed Stability** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **U04-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0694	0.64	64	31	75.07	22.22	15.11	9.44	6.59	11.11	16.51	11.88	4.83	15.56	20.56	58.33	1	15	44	0	0	0					0.64	13.16
M0697	0.87	73	31	123.41	34.50	14.42	10.00	8.77	12.00	6.83	2.24	1.02	3.00	22.00	59.50	1	21	12	0	0	0					0.00	0.00
pp200*	15.99	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	0					15.99	0.00
SHC33	1.01	68	13	0.00	0.00	0.00	0.00	14.69	31.43	13.78	9.42	5.62	18.57	31.43	50.00	6	19	51	0	0	0			0.00	0.00		
U0403	15.03	40	26	47.20	13.50	12.65	8.50	6.21	9.50	36.63	7.06	1.97	8.50	18.00	40.00	1	13	32	3	1	0					15.03	270.54
U0404	1.56	47	31	97.89	31.67	56.70	38.33	13.65	21.67	24.32	5.00	0.67	5.00	60.00	96.67	1	13	7	3	1	0			1.56	93.60		
U0405	4.57	75	09	32.46	7.50	28.04	20.00	9.36	15.00	55.86	8.43	5.48	12.50	35.00	55.00	7	0	27	3	1	0			4.57	159.95		
U0406	13.84	75	21	15.52	4.50	11.68	8.00	27.88	46.00	16.71	4.56	2.00	6.00	54.00	64.50	1	22	14	3	1	1	13.84	747.36				
U0409	12.08	68	41**	3.88	1.50	11.13	8.50	16.81	29.50	56.22	25.84	14.41	38.50	38.00	78.00	7	6	59	3	1	0					0.00	0.00
U0410	15.62	75	31	22.97	6.50	17.59	12.50	20.45	31.00	38.88	13.31	4.18	16.50	43.50	66.50	1	10	31	3	1	0	15.62	679.47				
U0412	8.29	75	21	30.69	8.75	17.45	12.50	27.92	45.00	0.00	0.00	0.00	0.00	57.50	66.25	1	33	0	3	1	1	8.29	476.68				
U0413	8.76	75	13	15.69	3.75	20.05	13.75	12.59	21.25	36.38	1.62	1.12	2.50	35.00	41.25	7	5	8	3	1	0			8.76	306.60		
U0416	12.95	75	21	66.05	16.67	9.50	6.67	15.76	23.33	4.33	4.62	0.00	3.33	30.00	50.00	1	24	15	3	1	0	12.95	388.50				
U0420	7.94	40	21	18.89	5.71	16.38	12.86	29.68	47.14	0.00	0.00	0.00	0.00	60.00	65.71	2	20	0	3	1	1	7.94	476.40				
U0421	12.54	68	10	1.11	0.50	6.00	5.00	21.17	45.50	13.46	11.41	7.52	23.00	50.50	74.00	1	18	41	3	1	0	12.54	633.27				
U0422	14.43	75	31	58.77	17.50	16.89	11.50	8.63	12.00	31.71	9.24	5.12	14.50	23.50	55.50	1	9	36	3	1	0					14.43	339.11
U0423	1.29	85	42***	0.00	0.00	0.00	0.00	16.48	40.00	25.98	29.74	25.71	60.00	40.00	100.00	9	0	77	3	1	0					0.00	0.00
U0514	0.52	21	31P	241.28	63.00	5.62	3.00	0.00	0.00	3.74	0.00	0.00	0.00	3.00	66.00	6	35	0	3	1	0					0.00	0.00
	147.93																					**71.18**	**3,401.68**	**14.89**	**560.15**	**46.09**	**622.81**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
U0410	2007	65068-B	Trainee Barracks Complex 2	0.13	5.66				
U0416	2007	65068-B	Trainee Barracks Complex 2	10.21	306.30				
U0420	2007	65068-B	Trainee Barracks Complex 2	3.47	208.20				
U0421	2007	65068-B	Trainee Barracks Complex 2	11.78	594.89				
U0422	2007	65068-B	Trainee Barracks Complex 2					14.43	339.11
				25.59	**1,115.05**	**0.00**	**0.00**	**14.43**	**339.11**

POST-PROJECT

	2007 Acres	2007 BA
Suitable Habitat	**45.59**	**2,286.63**
Potentially Suitable Habitat	**14.89**	**560.15**
Future Potential Habitat	**31.66**	**283.70**
TOTAL	**92.14**	**3,130.48**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Type Burn:
1=non-growing season
2=growing season

Stand Score
0=Unsuitable
1=Suitable

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Forest Type:
9 = Yellow Pine-Cove Hardwood
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21p = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
41** = Cove Hardwood-Yellow Pine (managed for hardwoods)
42*** = Upland Hardwood-Yellow Pine (managed for hardwoods)

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

Table F-160. Red-cockaded woodpecker foraging habitat totals and project removals using the **Recovery Standard** (USFWS 2003) within the 0.5 mile radius foraging habitat partition for Fort Benning Cluster **U04-01R**, Alternative B Transformation projects, Fort Benning, Georgia.

PRE-PROJECT

Stand	Acres	Pine Age	Forest Type	Pine Stems 4-10" dbh	Pine BA 4-10" dbh	Pine Stems 10-14" dbh	Pine BA 10-14" dbh	Pine stems >14" dbh	Pine BA >14" dbh	Hwd Stems 4-10" dbh	Hwd Stems 10-14" dbh	Hwd Stems > 14" dbh	Hwd BA > 10" dbh	Pine BA > 10 " dbh	Total Stand BA (Pines + Hwds)	Hwd Midstory Height, Density	HGC (%)	% Hwd Canopy	Number of years since last burn	Burn Type	Matrix Stand Score	Suitability	Suitable Acreage	Suitable BA	Potentially Suitable Acreage	Potentially Suitable BA	Future Potential Acreage	Future Potential BA
M0694	0.64	64	31	75.07	22.22	15.11	9.44	6.59	11.11	16.51	11.88	4.83	15.56	20.56	58.33	1	15	44	0	0	3.09	PS					0.64	13.16
M0697	0.87	73	31	123.41	34.50	14.42	10.00	8.77	12.00	6.83	2.24	1.02	3.00	22.00	59.50	1	21	12	0	0	3.14	PS					0.00	0.00
pp200*	15.99	8	21P	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0	0	0	0	1.60	NH					15.99	0.00
SHC33	1.01	68	13	0.00	0.00	0.00	0.00	14.69	31.43	13.78	9.42	5.62	18.57	31.43	50.00	6	19	51	0	0	3.60	PS					0.00	0.00
U0403	15.03	40	26	47.20	13.50	12.65	8.50	6.21	9.50	36.63	7.06	1.97	8.50	18.00	40.00	1	13	32	3	1	2.80	PS					15.03	270.54
U0404	1.56	47	31	97.89	31.67	56.70	38.33	13.65	21.67	24.32	5.00	0.67	5.00	60.00	96.67	1	13	7	3	1	3.65	PS					1.56	93.60
U0405	4.57	75	09	32.46	7.50	28.04	20.00	9.36	15.00	55.86	8.43	5.48	12.50	35.00	55.00	7	0	27	3	1	3.27	PS					4.57	159.95
U0406	13.84	75	21	15.52	4.50	11.68	8.00	27.88	46.00	16.71	4.56	2.00	6.00	54.00	64.50	1	22	14	3	1	4.33	PS			13.84	747.36		
U0409	12.08	68	41**	3.88	1.50	11.13	8.50	16.81	29.50	56.22	25.84	14.41	38.50	38.00	78.00	7	6	59	3	1	3.58	PS					0.00	0.00
U0410	15.62	75	31	22.97	6.50	17.59	12.50	20.45	31.00	38.88	13.31	4.18	16.50	43.50	66.50	1	10	31	3	1	4.12	PS			15.62	679.47		
U0412	8.29	75	21	30.69	8.75	17.45	12.50	27.92	45.00	0.00	0.00	0.00	0.00	57.50	66.25	1	33	0	3	1	4.41	PS			8.29	476.68		
U0413	8.76	75	13	15.69	3.75	20.05	13.75	12.59	21.25	36.38	1.62	1.12	2.50	35.00	41.25	7	5	8	3	1	3.43	PS					8.76	306.60
U0416	12.95	75	21	66.05	16.67	9.50	6.67	15.76	23.33	4.33	4.62	0.00	3.33	30.00	50.00	1	24	15	3	1	3.98	PS					12.95	388.50
U0420	7.94	40	21	18.89	5.71	16.38	12.86	29.68	47.14	0.00	0.00	0.00	0.00	60.00	65.71	2	20	0	3	1	4.05	PS					7.94	476.40
U0421	12.54	68	10	1.11	0.50	6.00	5.00	21.17	45.50	13.46	11.41	7.52	23.00	50.50	74.00	1	18	41	3	1	4.23	PS			12.54	633.27		
U0422	14.43	75	31	58.77	17.50	16.89	11.50	8.63	12.00	31.71	9.24	5.12	14.50	23.50	55.50	1	9	36	3	1	3.14	PS					14.43	339.11
U0423	1.29	85	42***	0.00	0.00	0.00	0.00	16.48	40.00	25.98	29.74	25.71	60.00	40.00	100.00	9	0	77	3	1	3.52	PS					0.00	0.00
U0514	0.52	21	31P	241.28	63.00	5.62	3.00	0.00	0.00	3.74	0.00	0.00	0.00	3.00	66.00	6	35	0	3	1	2.13	NH					0.00	0.00
	147.93																						**0.00**	**0.00**	**50.29**	**2,536.78**	**81.87**	**2,047.86**

REMOVALS

Stand	Fiscal Year	Project Number	Project Name	Suitable Acreage Removed	Suitable BA Removed	Potentially Suitable Acreage Removed	Potentially Suitable BA Removed	Future Potential Acreage Removed	Future Potential BA Removed
U0410	2007	65068-B	Trainee Barracks Complex 6			0.13	5.66		
U0416	2007	65068-B	Trainee Barracks Complex 6					10.21	306.30
U0420	2007	65068-B	Trainee Barracks Complex 6					3.47	208.20
U0421	2007	65068-B	Trainee Barracks Complex 6			11.78	594.89		
U0422	2007	65068-B	Trainee Barracks Complex 6					14.43	339.11
				0.00	**0.00**	**11.91**	**600.55**	**28.11**	**853.61**

POST-PROJECT **2007**

	Acres	BA
Suitable Habitat	**0.00**	**0.00**
Potentially Suitable Habitat	**38.38**	**1,936.23**
Future Potential Habitat	**53.76**	**1,194.25**
TOTAL	**92.14**	**3,130.48**

Key:

BA= basal area
dbh= diameter at breast height
hwd= hardwood
hgc= herbaceous ground cover

Hardwood Midstory:
1 = low, sparse
2 = low, moderate
3 = low, dense
4 = medium, sparse
5 = tall, sparse
6 = medium, moderate
7 = tall, moderate
8 = medium, dense
9 = tall, dense

Type Burn:
1= non-growing season
2= growing season

Suitability
CS= currently suitable
PS= potentially suitable
NH= non-habitat

Forest Type:
9 = Yellow Pine-Cove Hardwood
10 = Yellow Pine-Upland Hardwood
13 = Loblolly Pine-Hardwood
21 = Longleaf Pine
21p = Longleaf Pine Plantation
26 = Mixed Pine-Longleaf
31 = Loblolly Pine
31P = Loblolly Pine Plantation
41** = Cove Hardwood-Yellow Pine
42*** = Upland Hardwood-Yellow Pine

* Note: No pine data was collected for pine plantation stands less than 30 years old.

Non-contiguous foraging habitat according to the USFWS Recovery Plan (2003). This habitat was not counted towards the total foraging habitat available within the partition.

APPENDIX G

FIGURES FOR THE STANDARD FOR MANAGED STABILITY (SMS) AND RECOVERY STANDARDS (RS) RED-COCKADED WOODPECKER (RCW) FORAGING PARTITIONS – ALTERNATIVE B

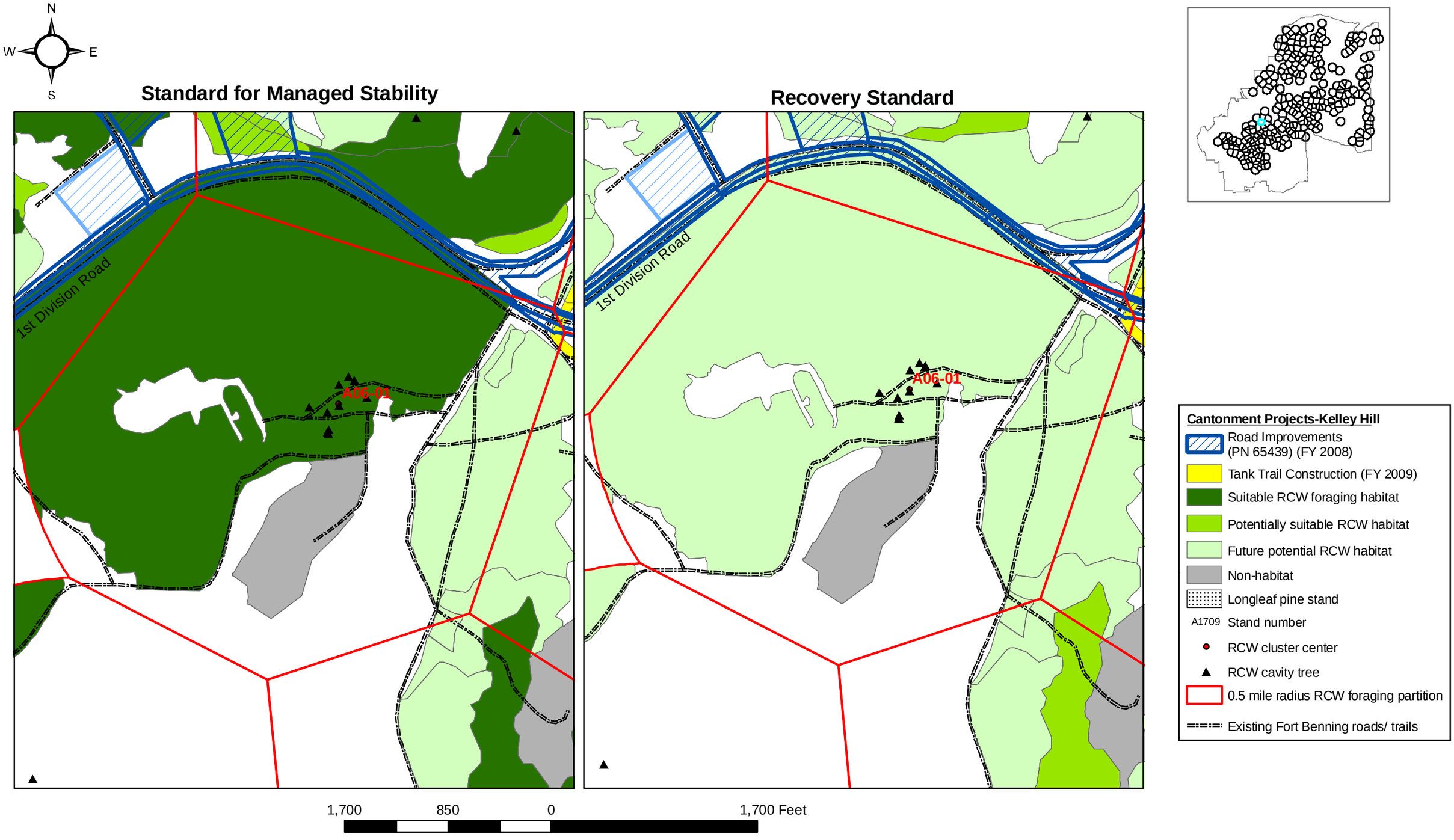

Figure G-1. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A06-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

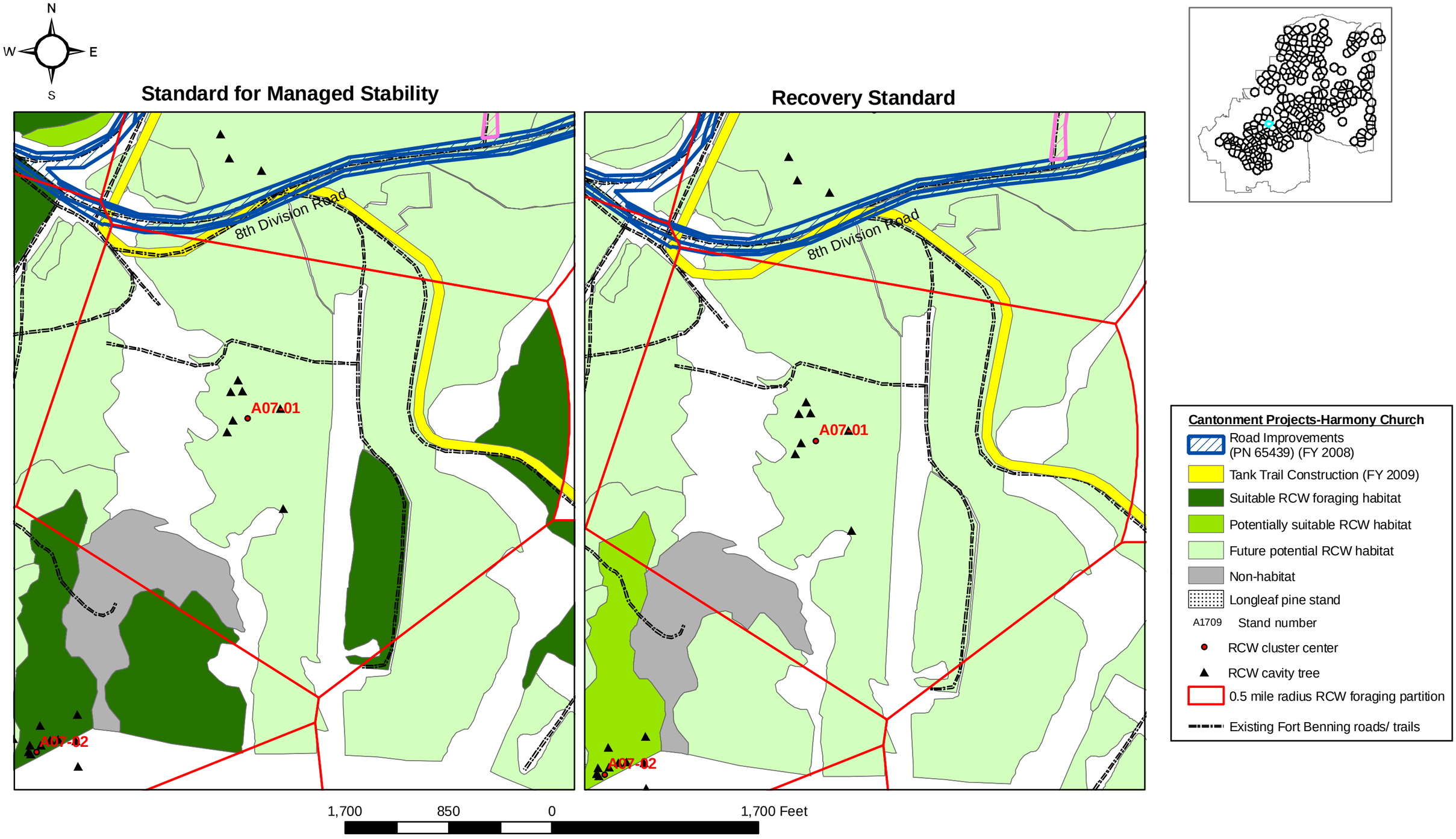

Figure G-2. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A07-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

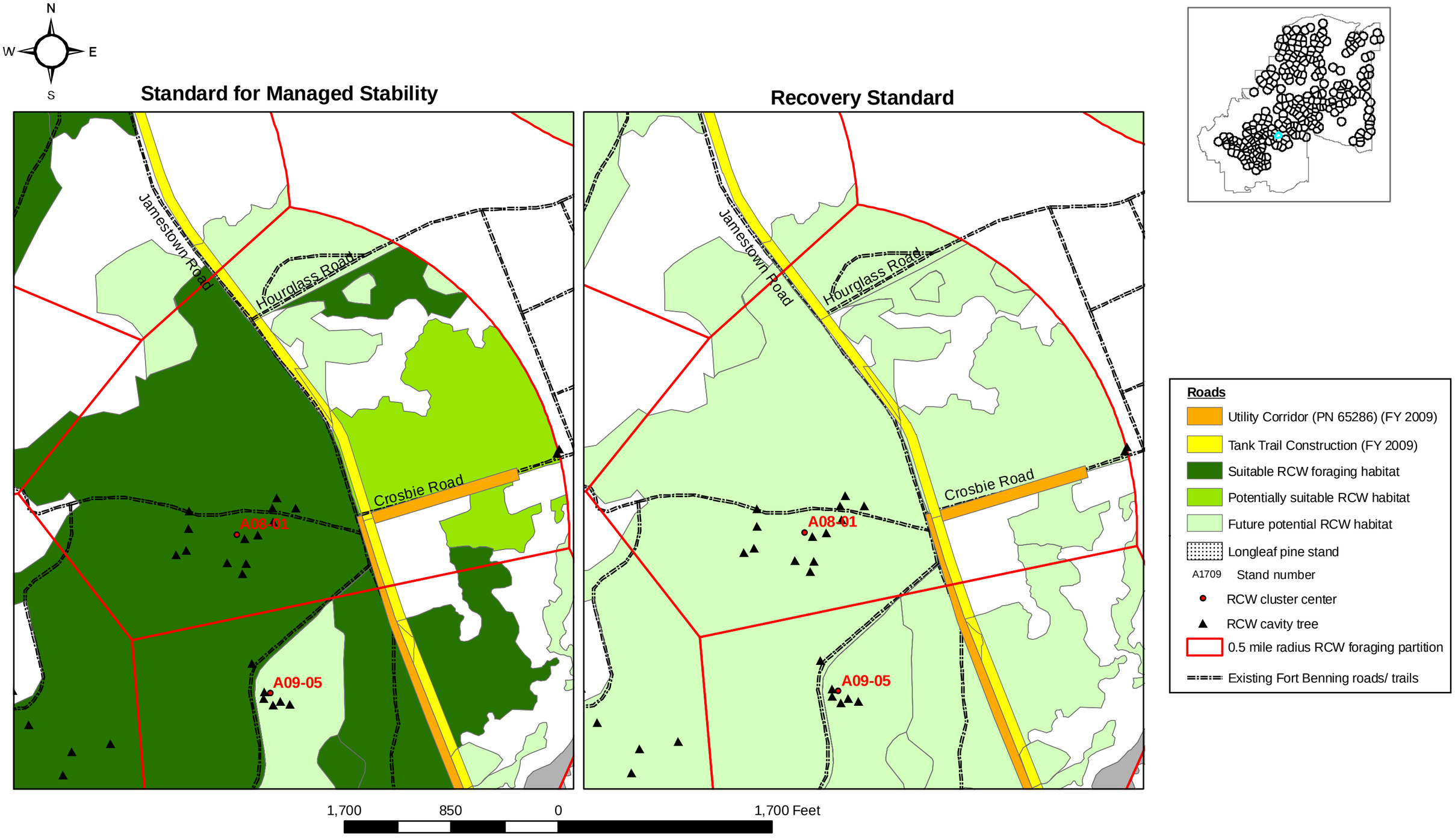

Figure G-3. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A08-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

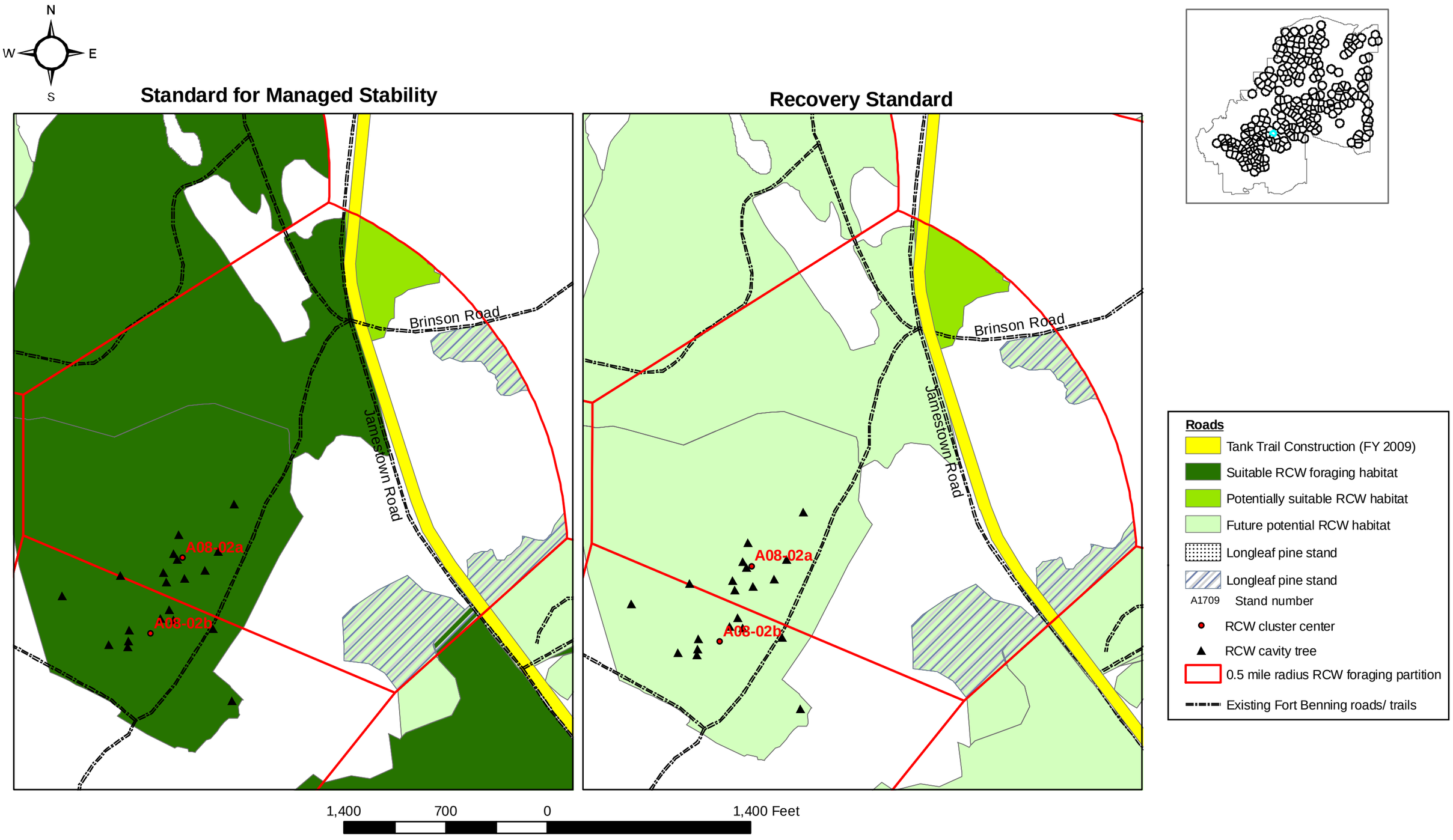

Figure G-4. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A08-02a** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

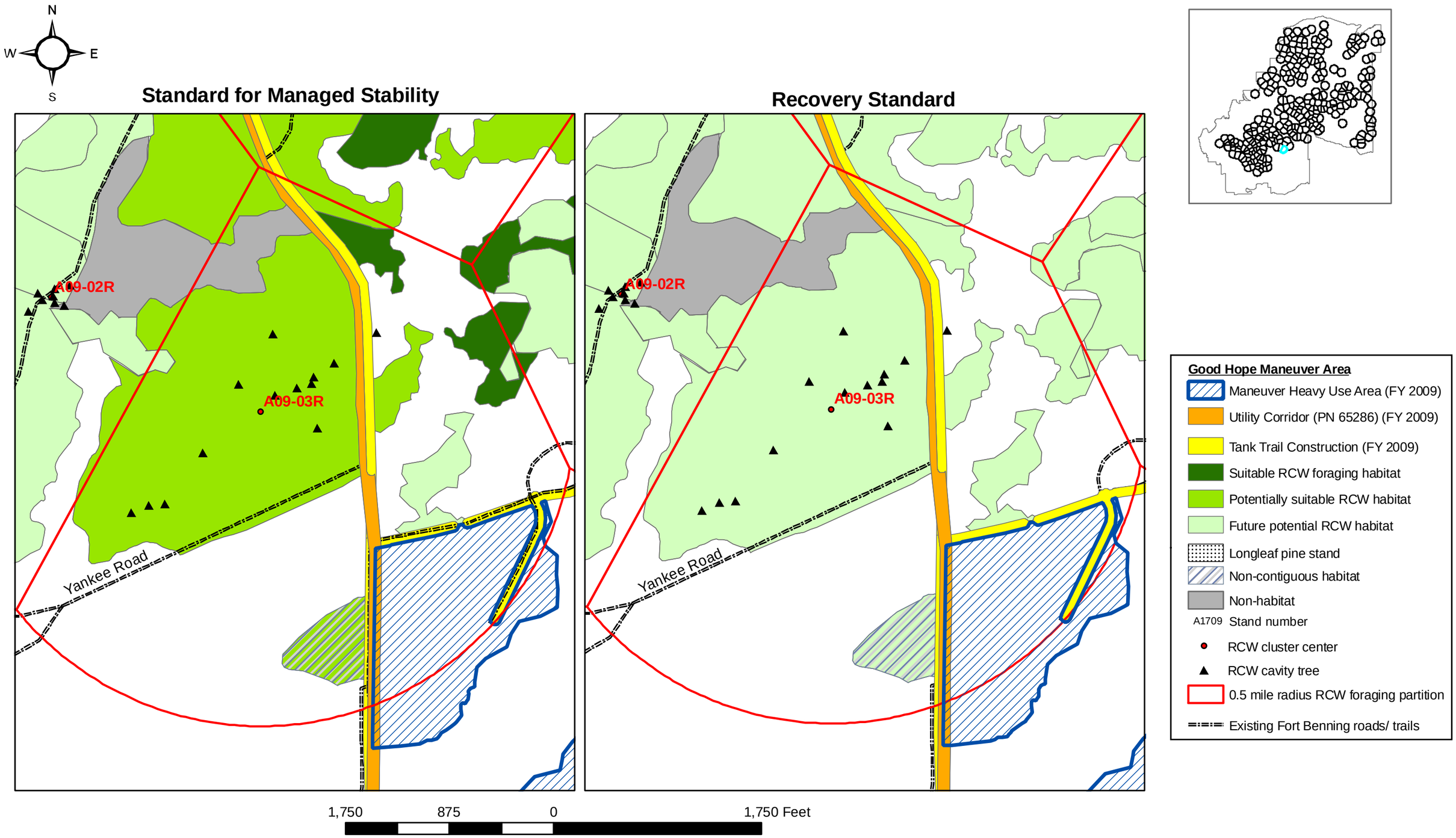

Figure G-5. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A09-03R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

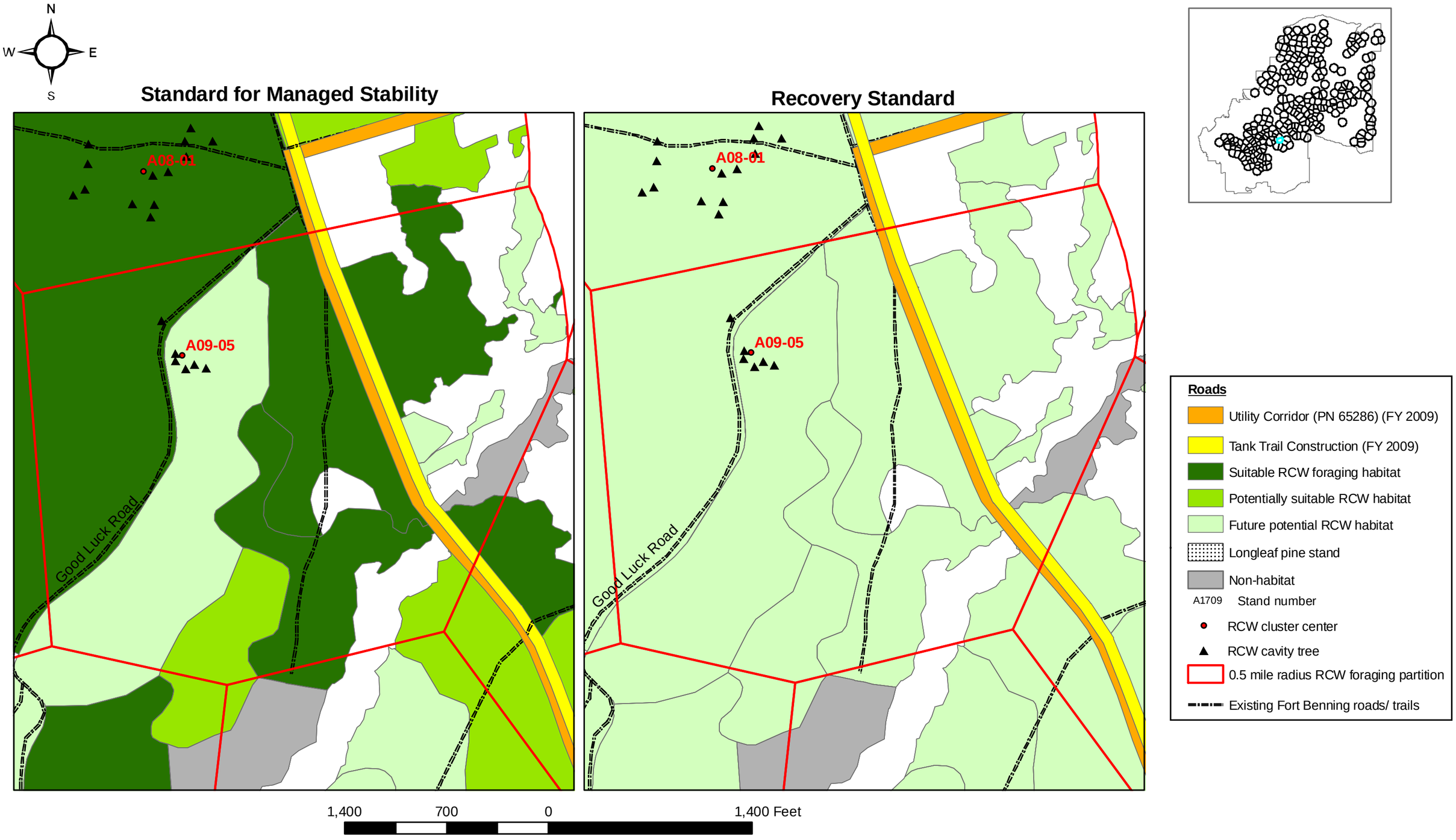

Figure G-6. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A09-05** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

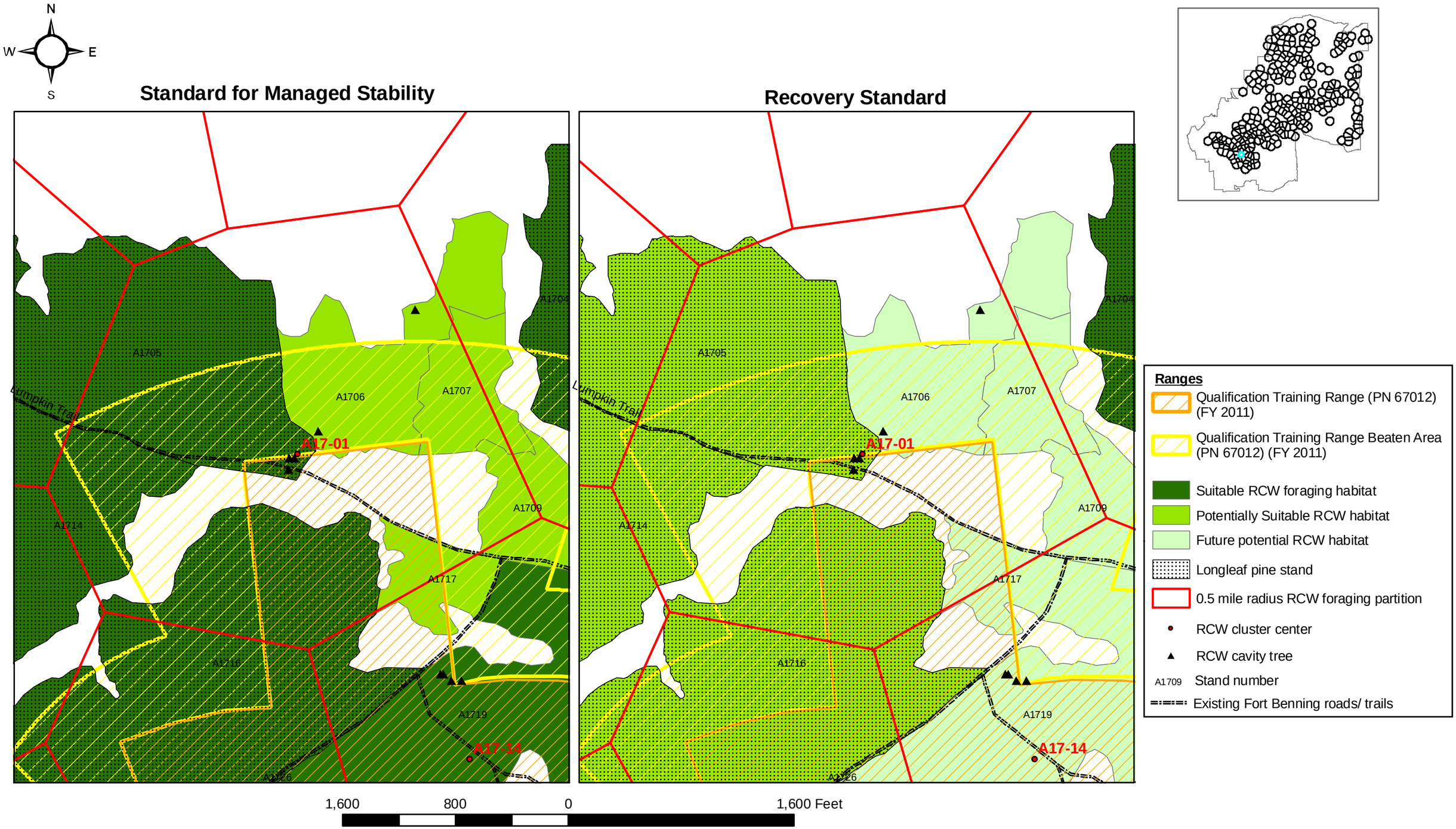

Figure G-7. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

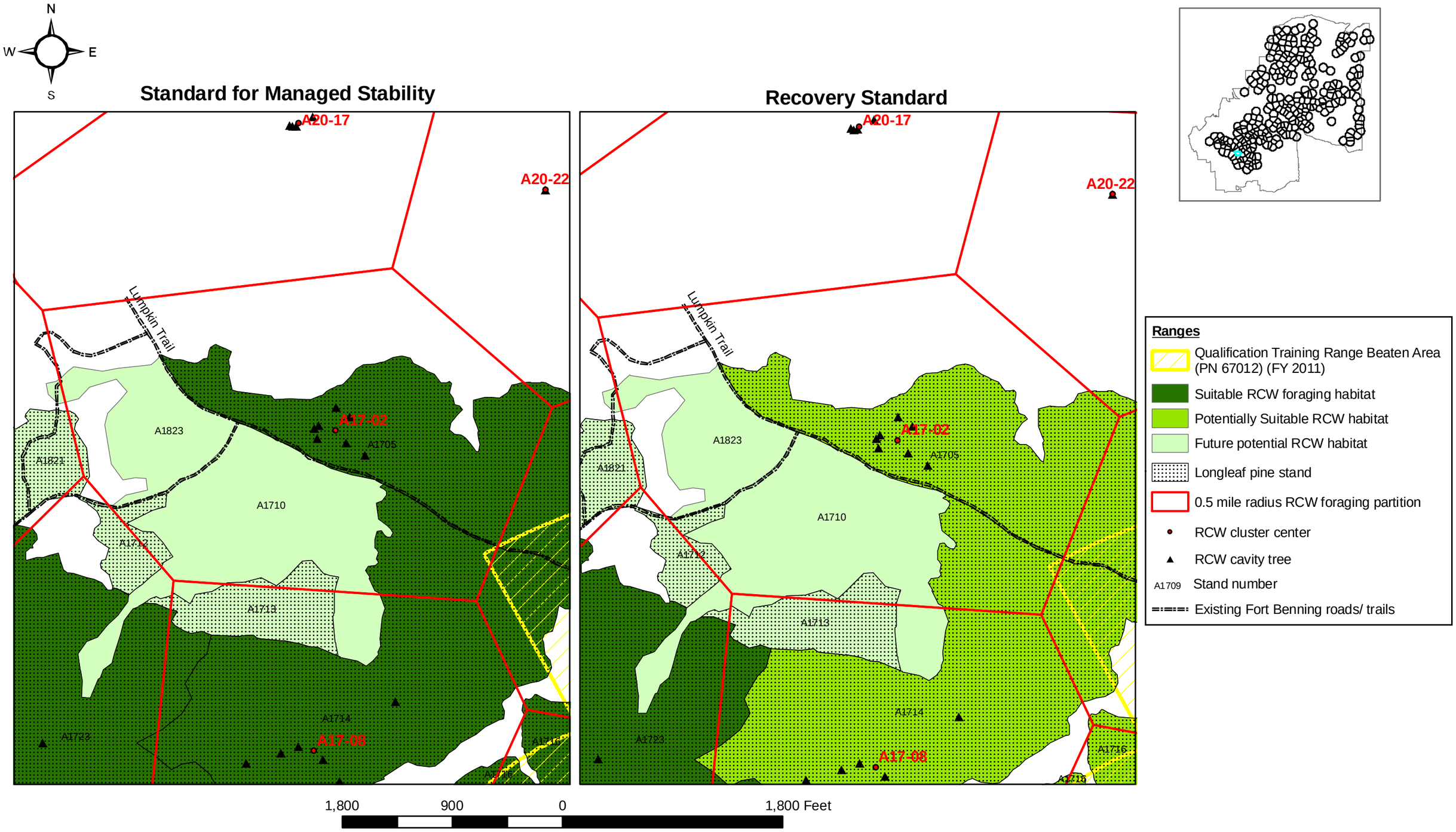

Figure G-8. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alterntaive B Transformation projects, Fort Benning, Georgia.

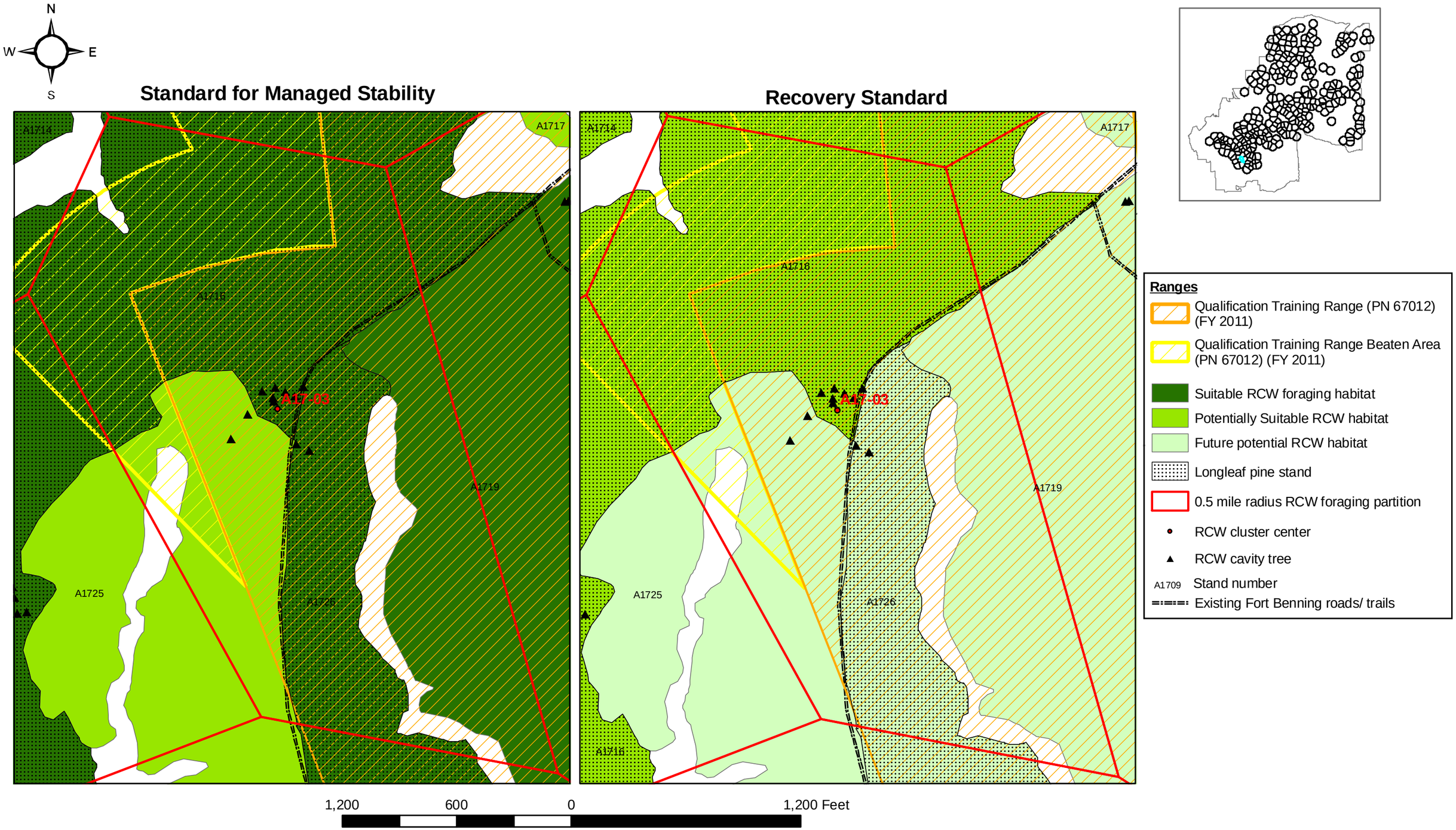

Figure G-9. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-03** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

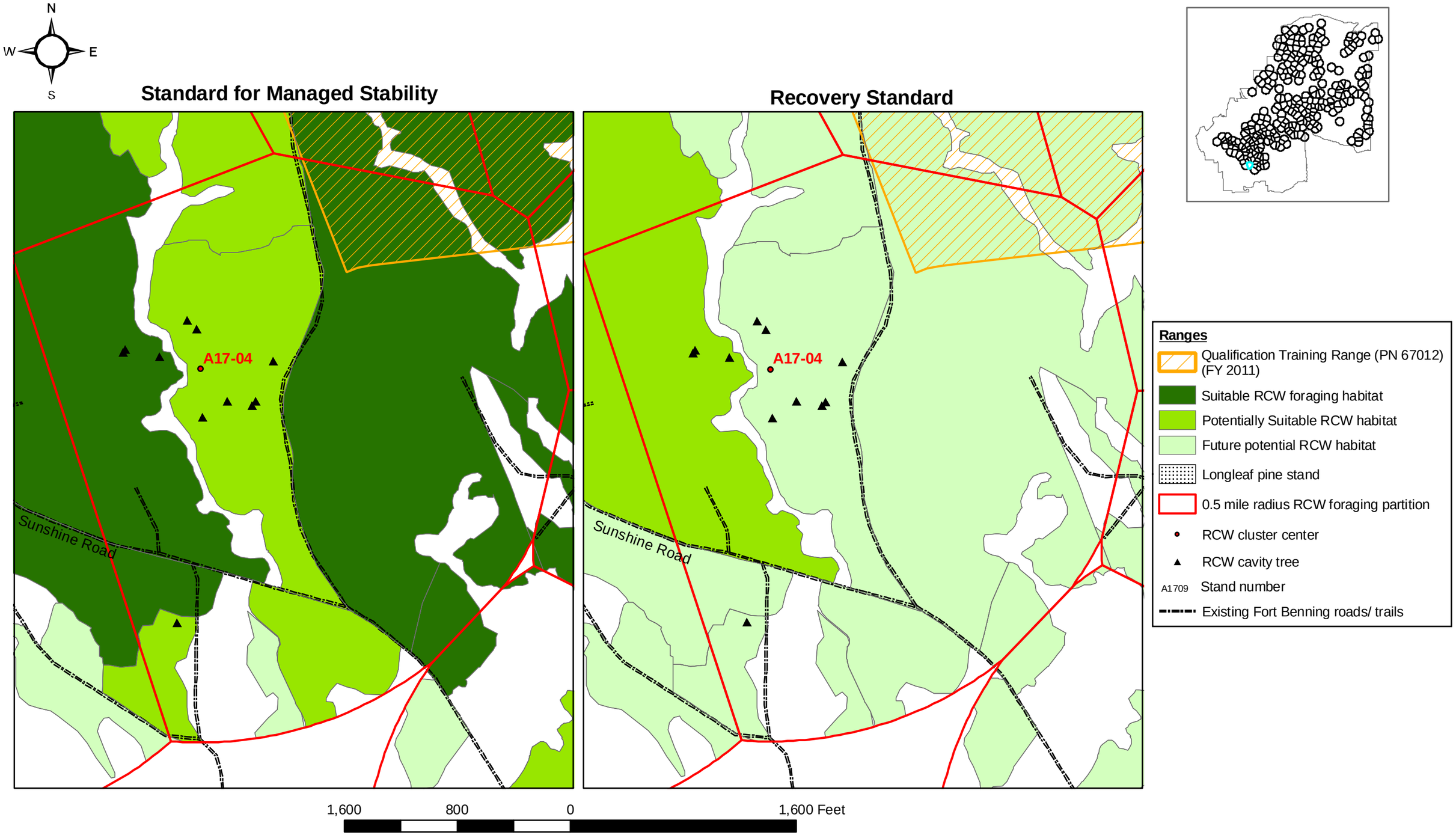

Figure G-10. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-04** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

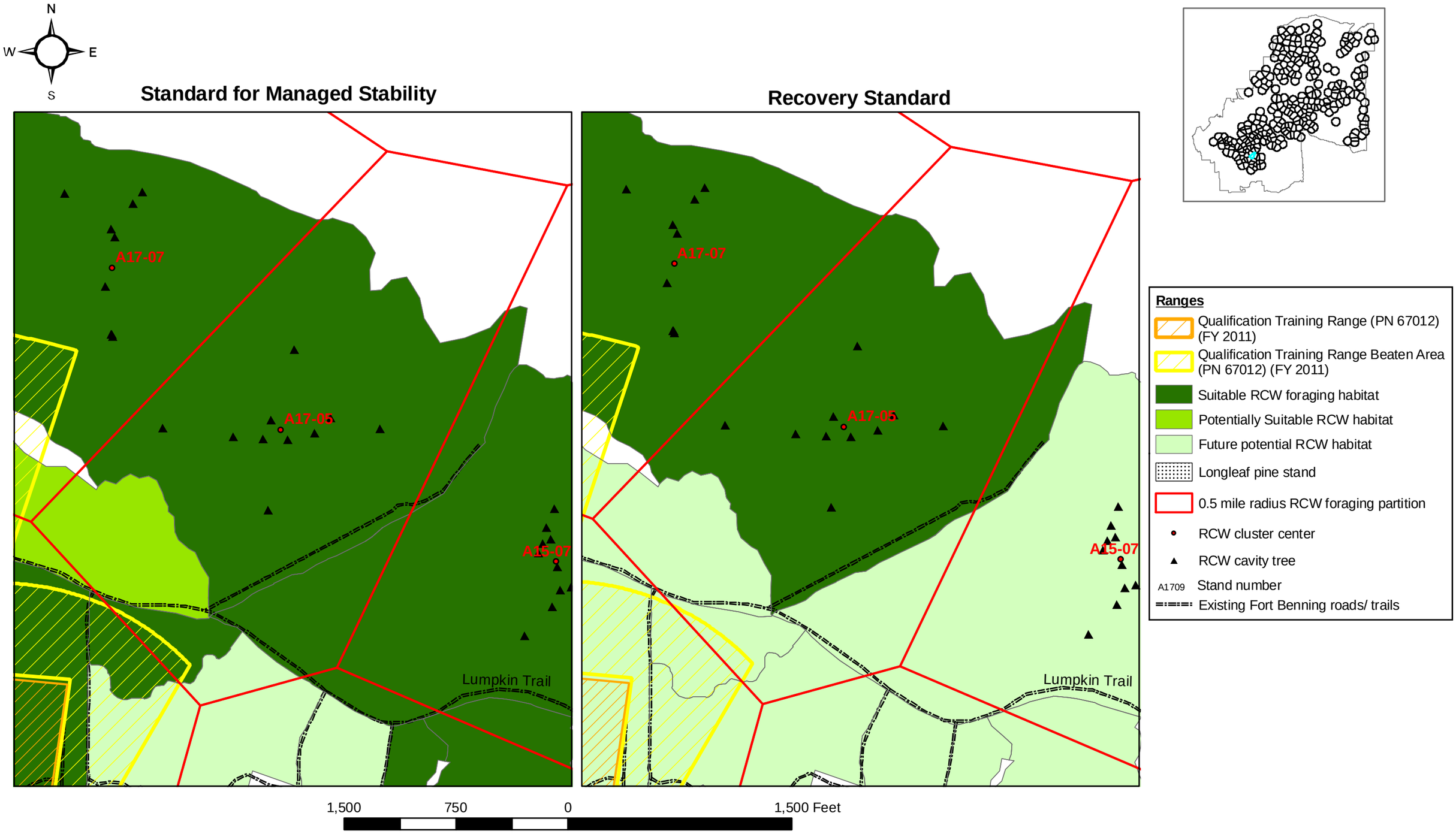

Figure G-11. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-05** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

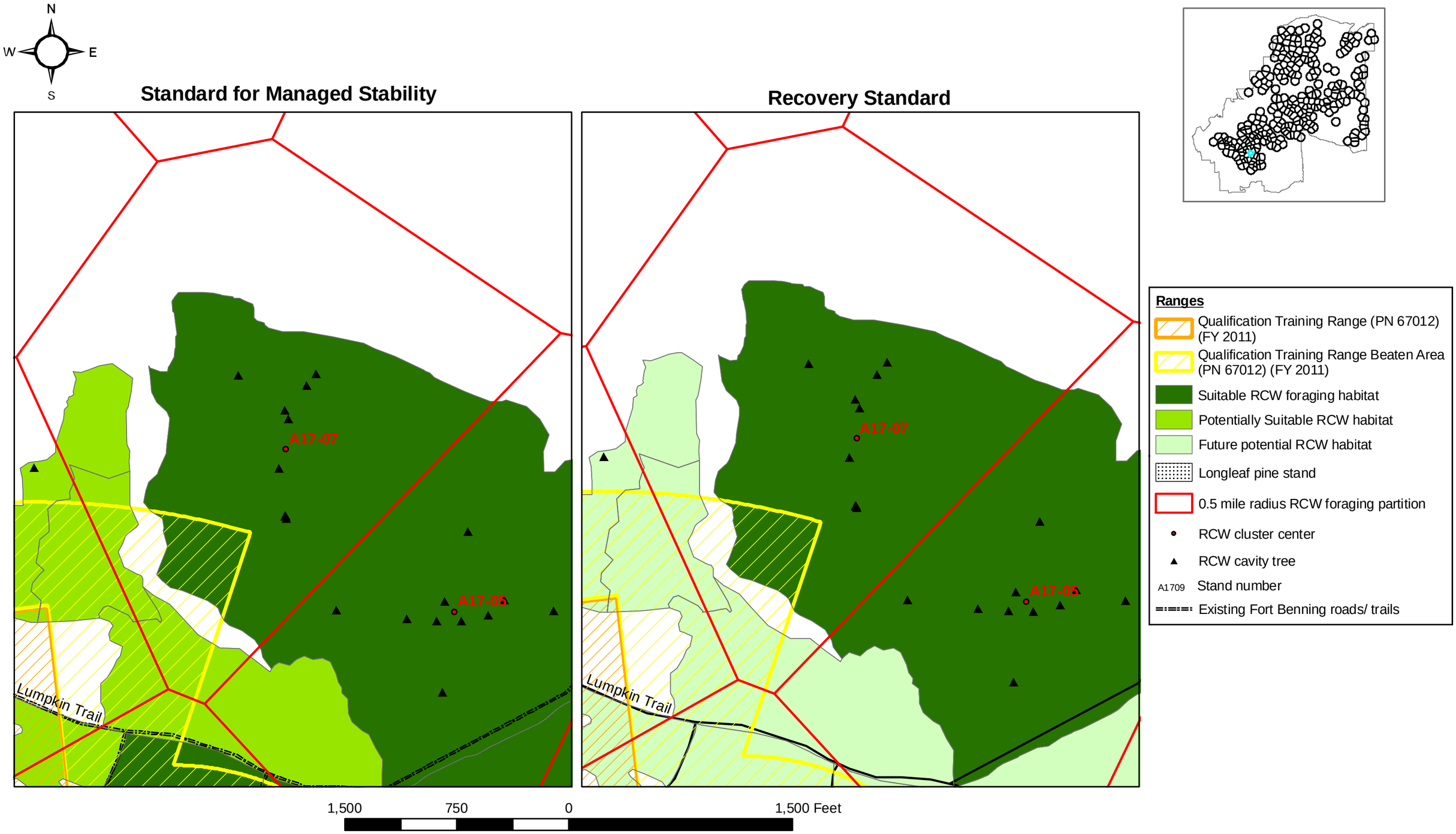

Figure G-12. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-07** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

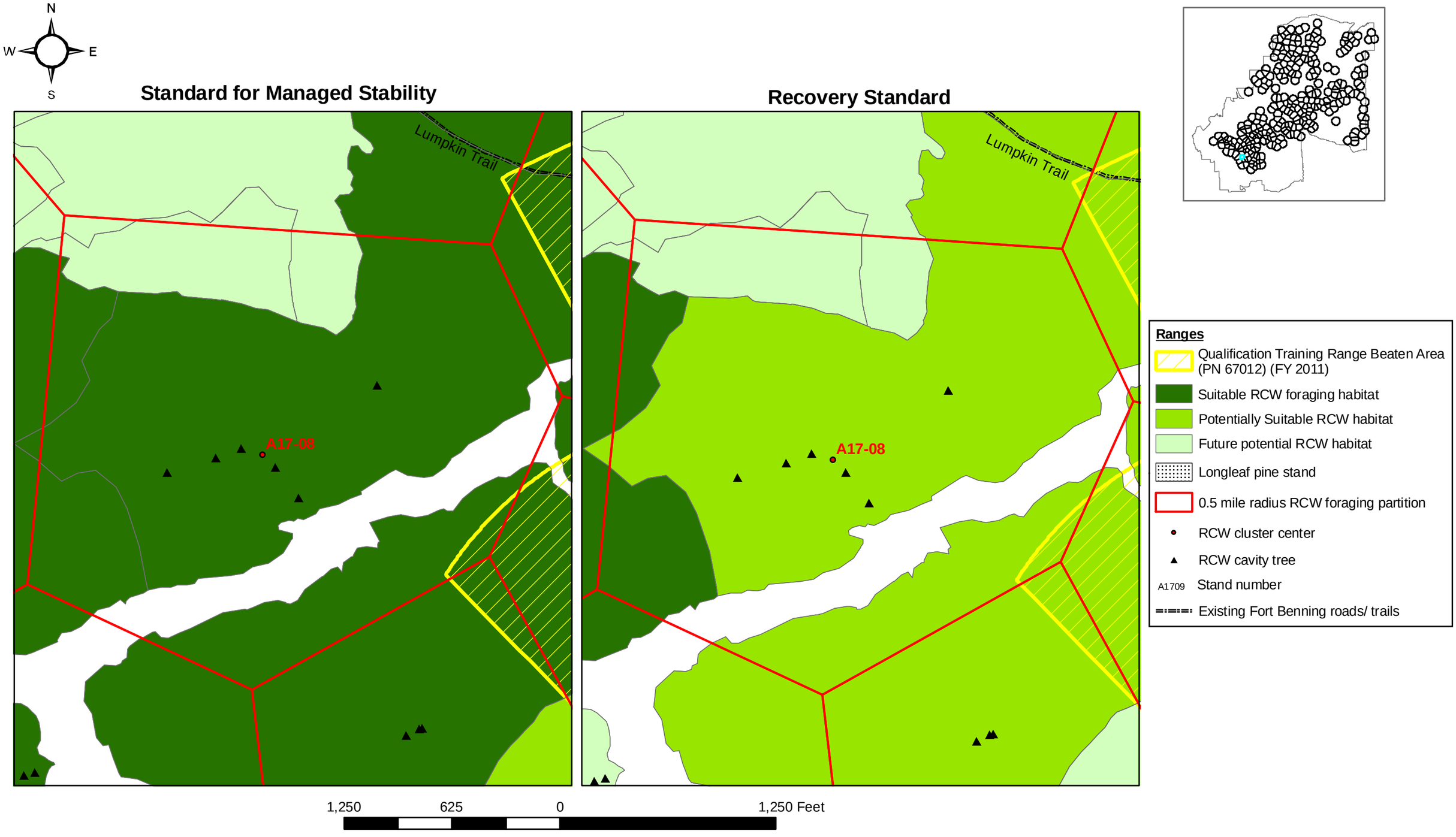

Figure G-13. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-08** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

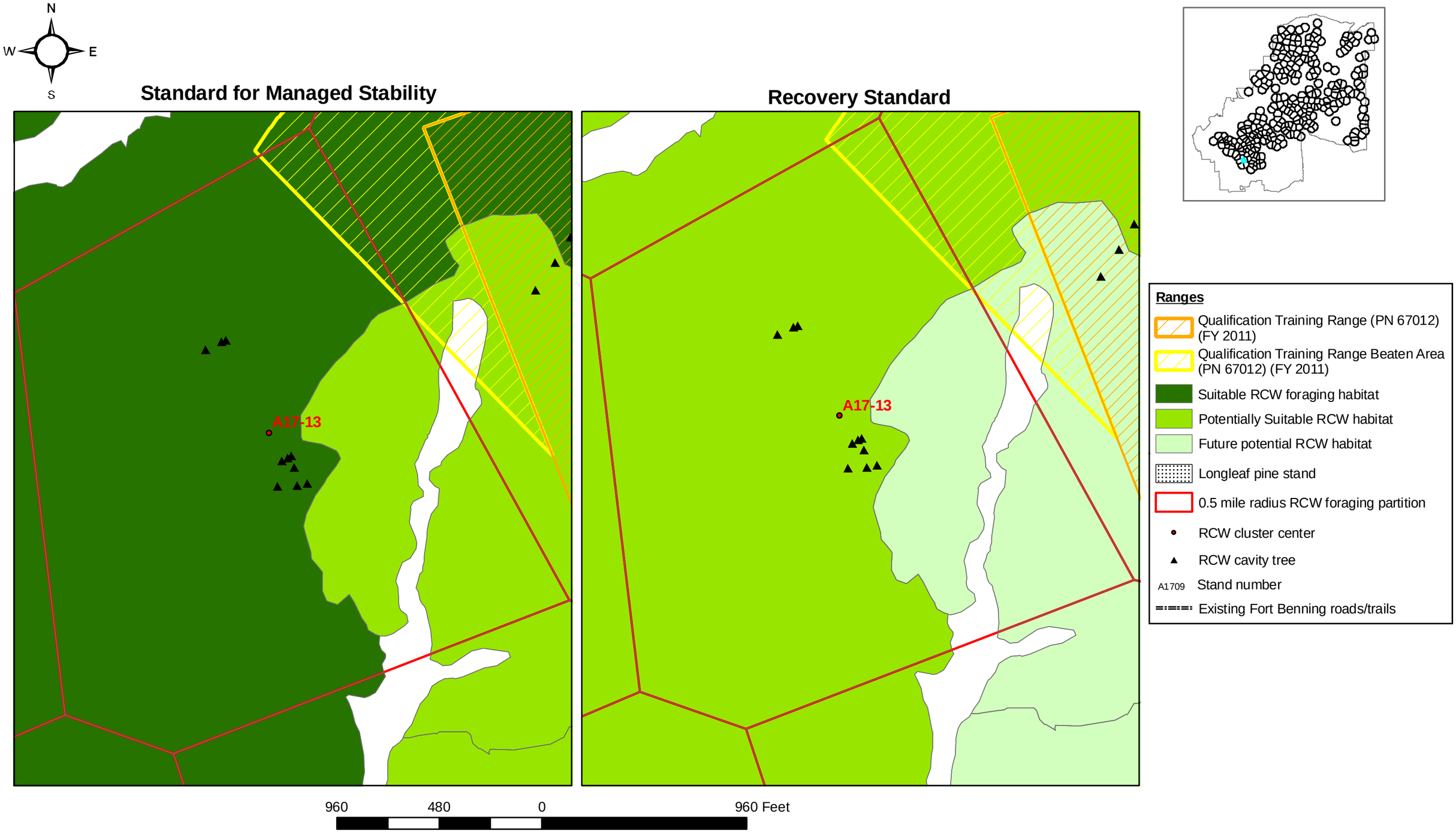

Figure G-14. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-13** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

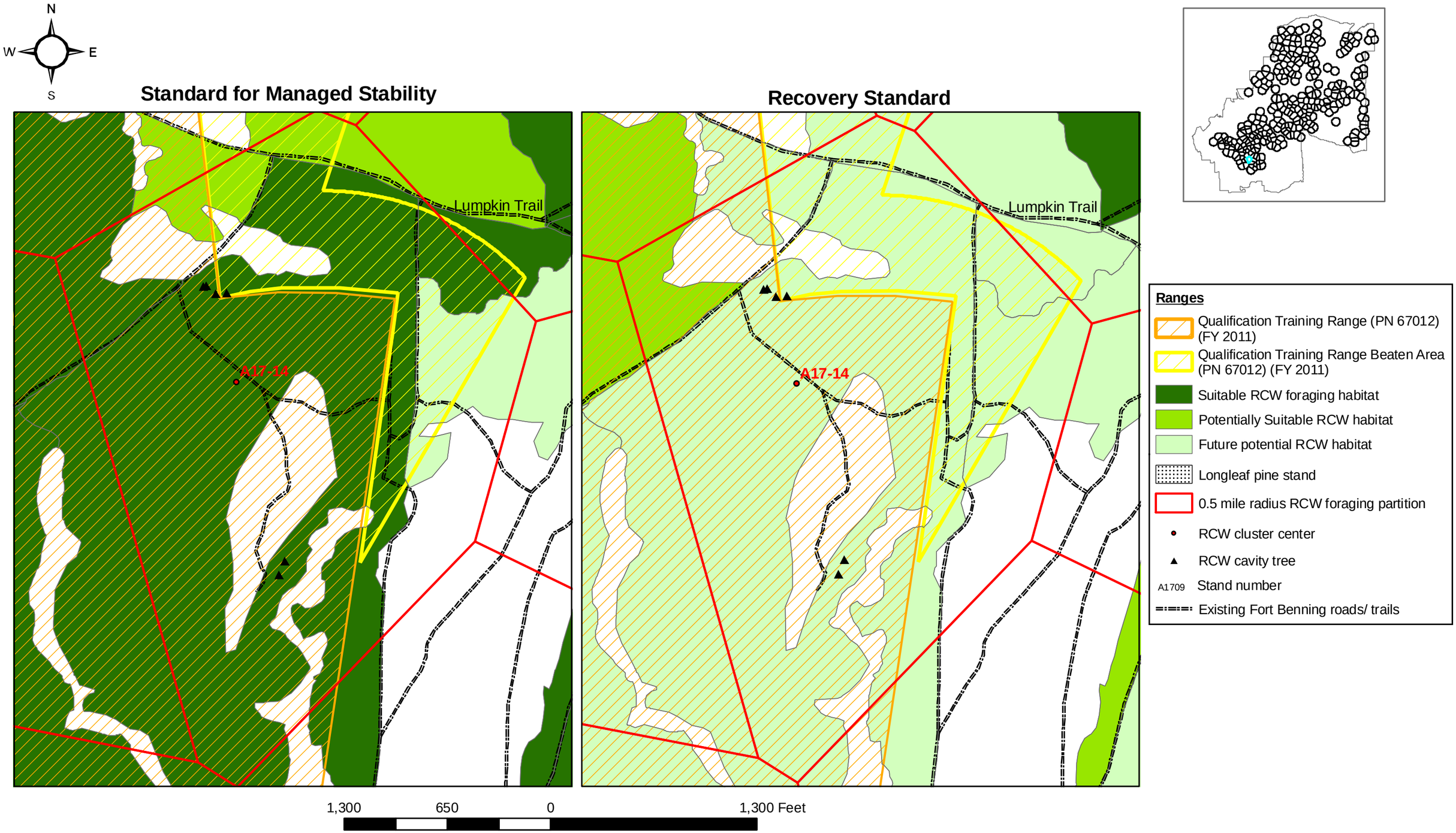

Figure G-15. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A17-14** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning Military Installation, Georgia.

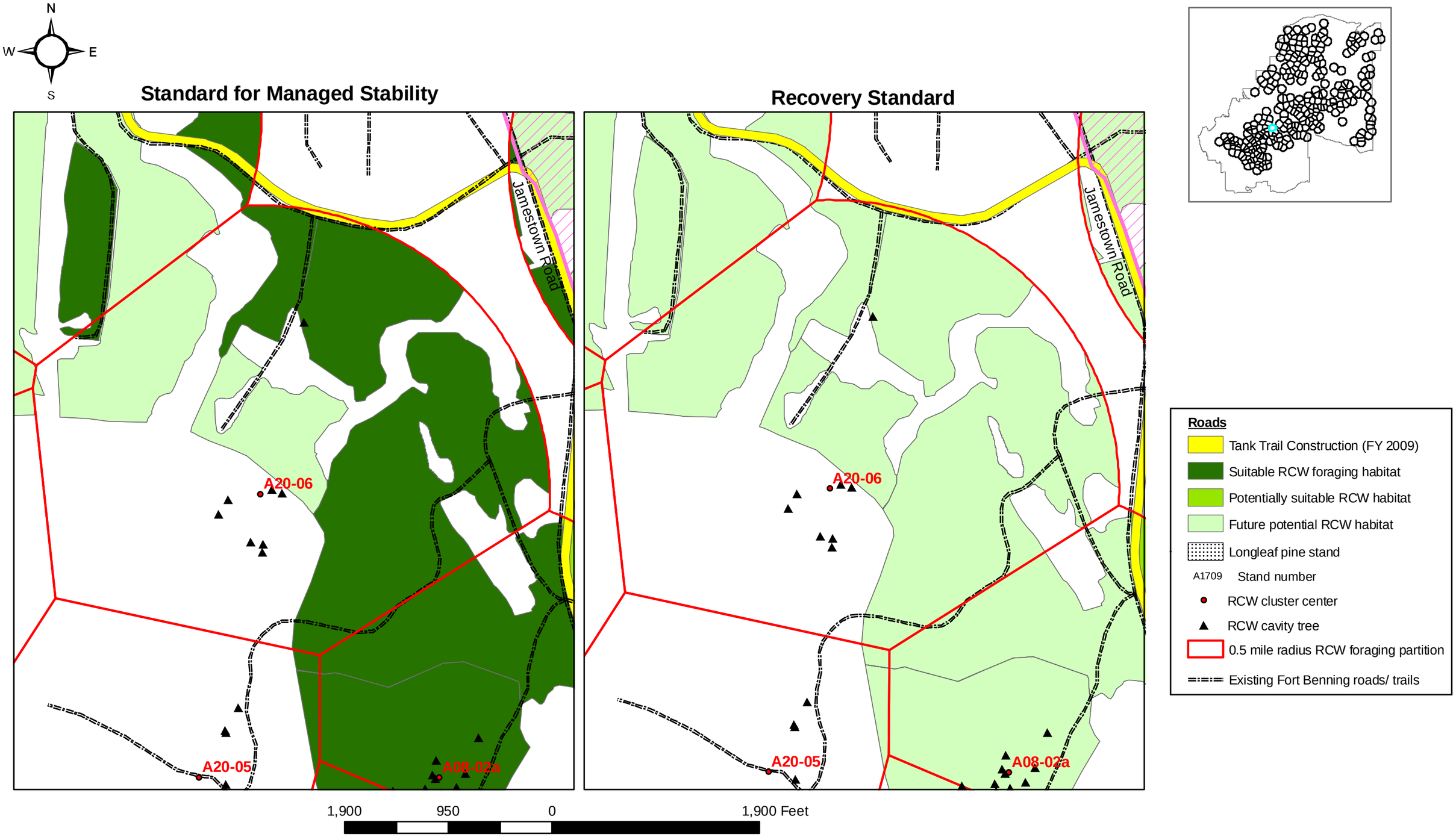

Figure G-16. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **A20-06** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

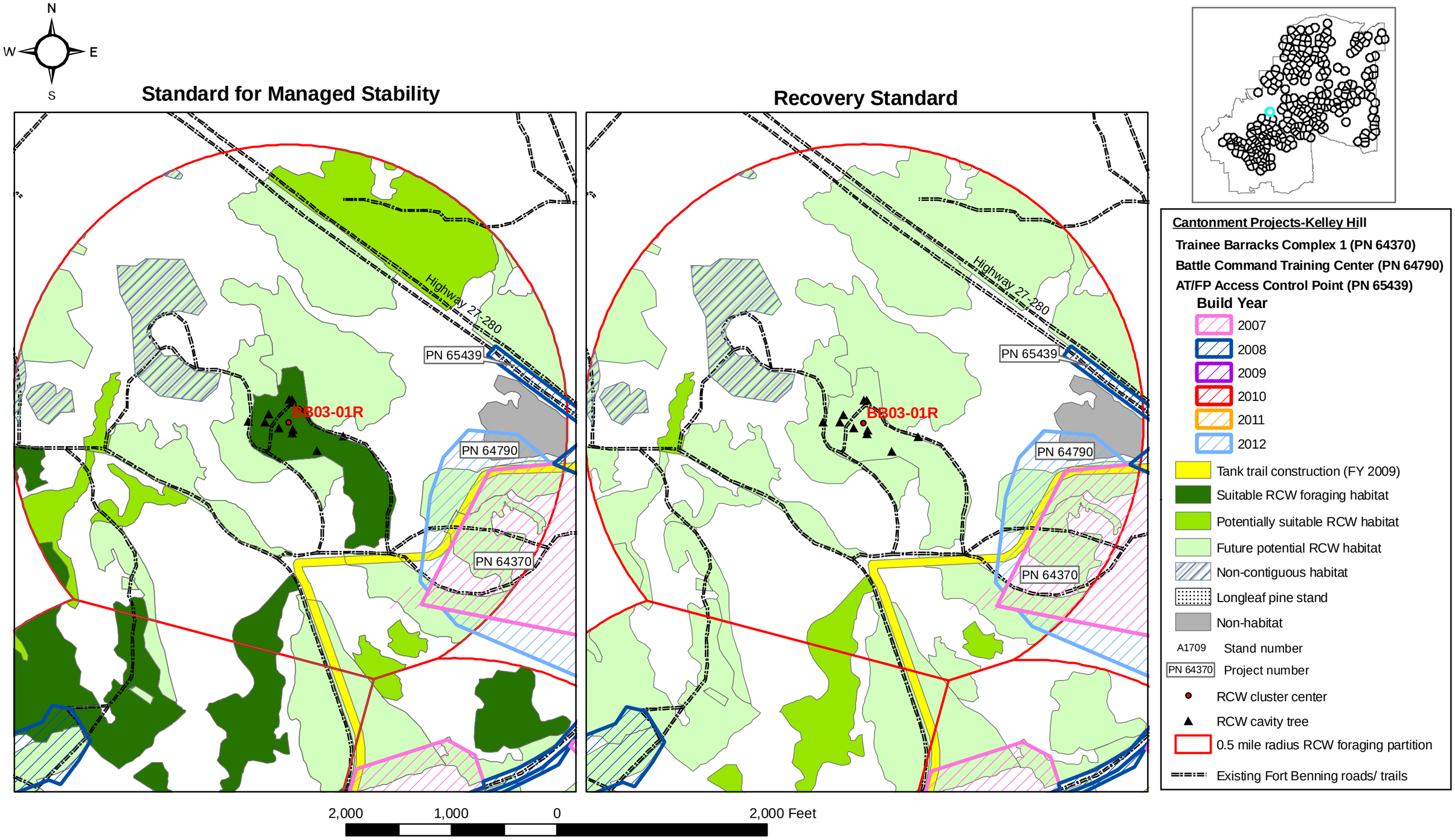

Figure G-17. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **BB03-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

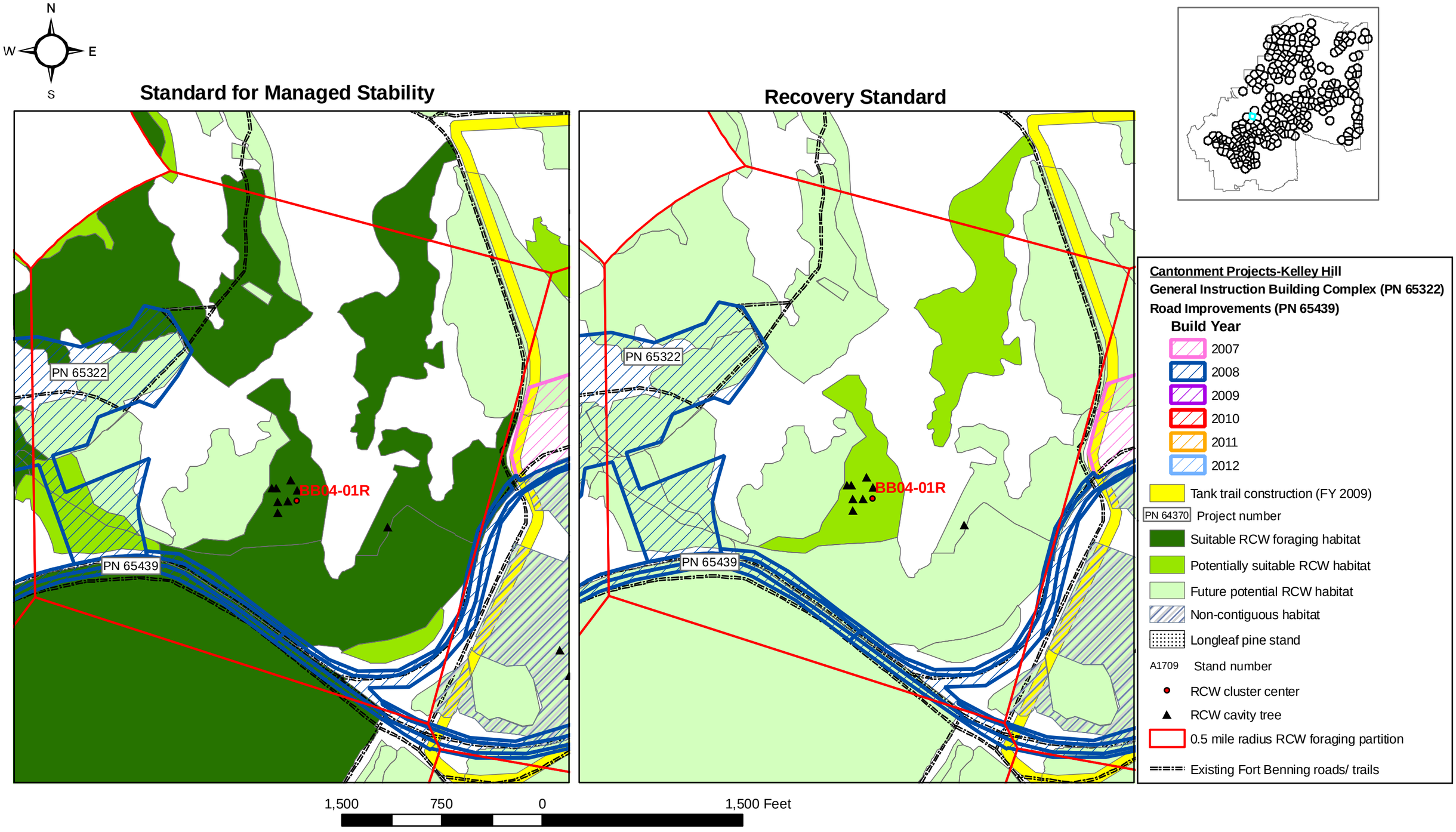

Figure G-18. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **BB04-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

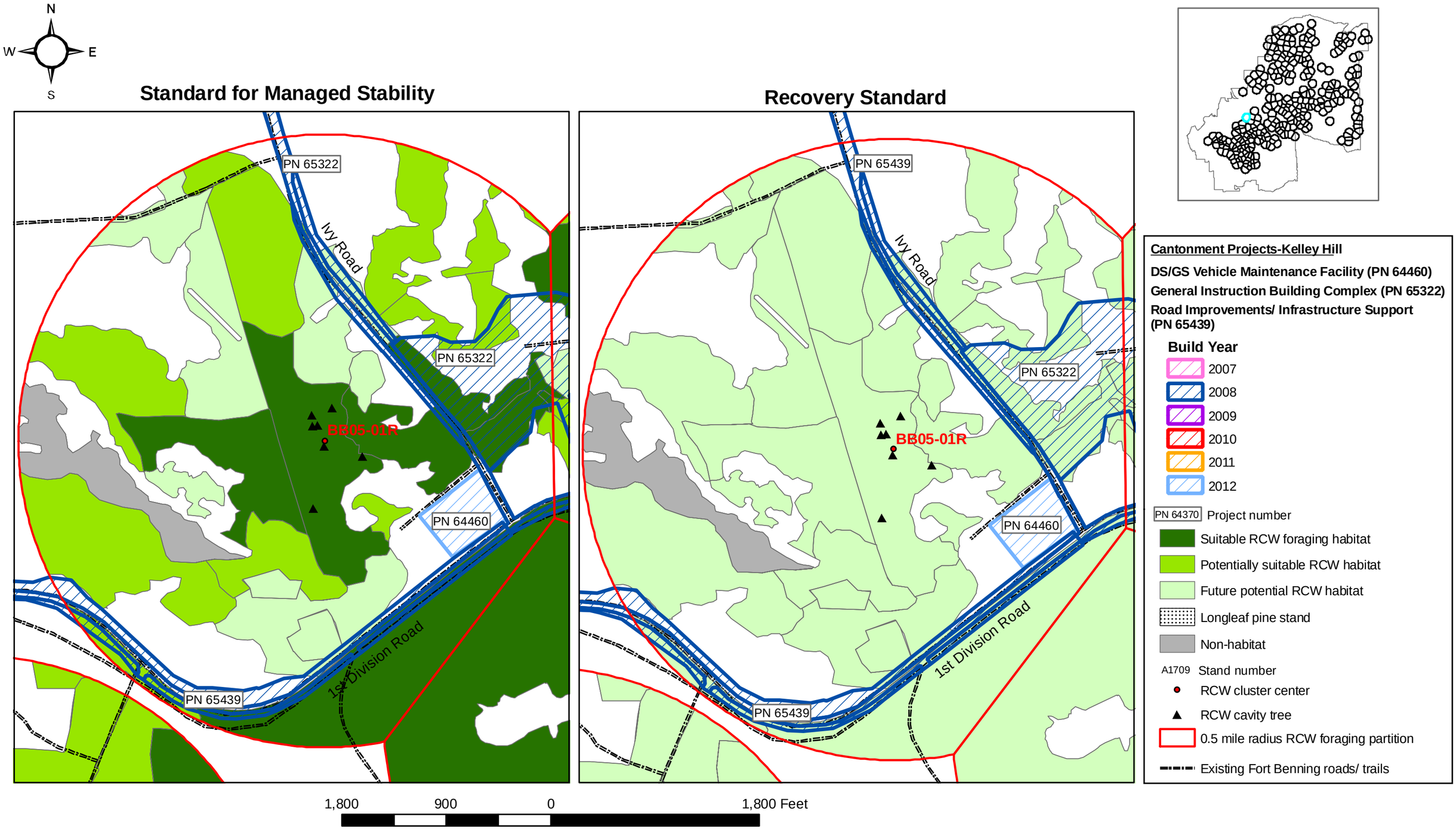

Figure G-19. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **BB05-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

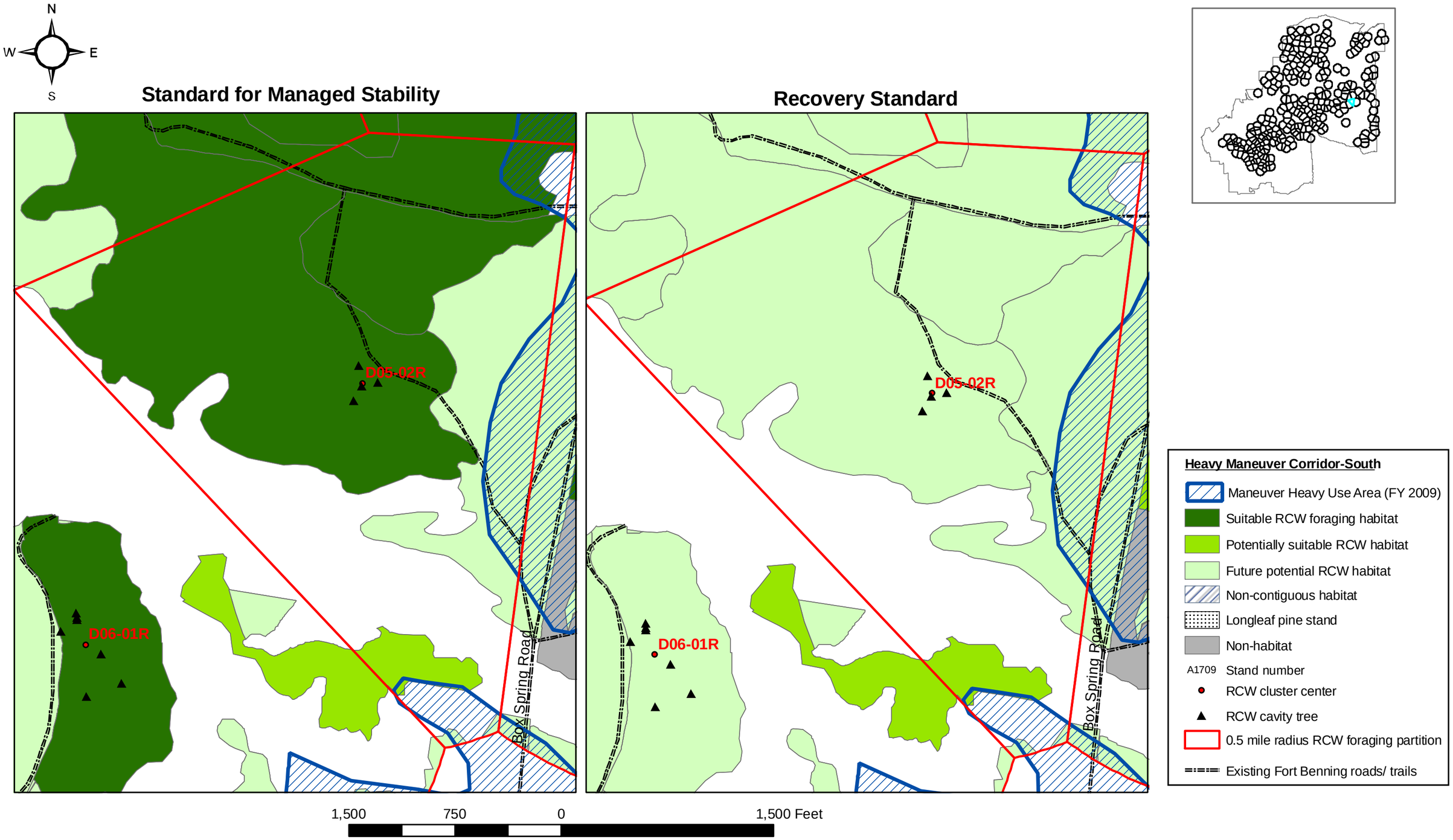

Figure G-20. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D05-02R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

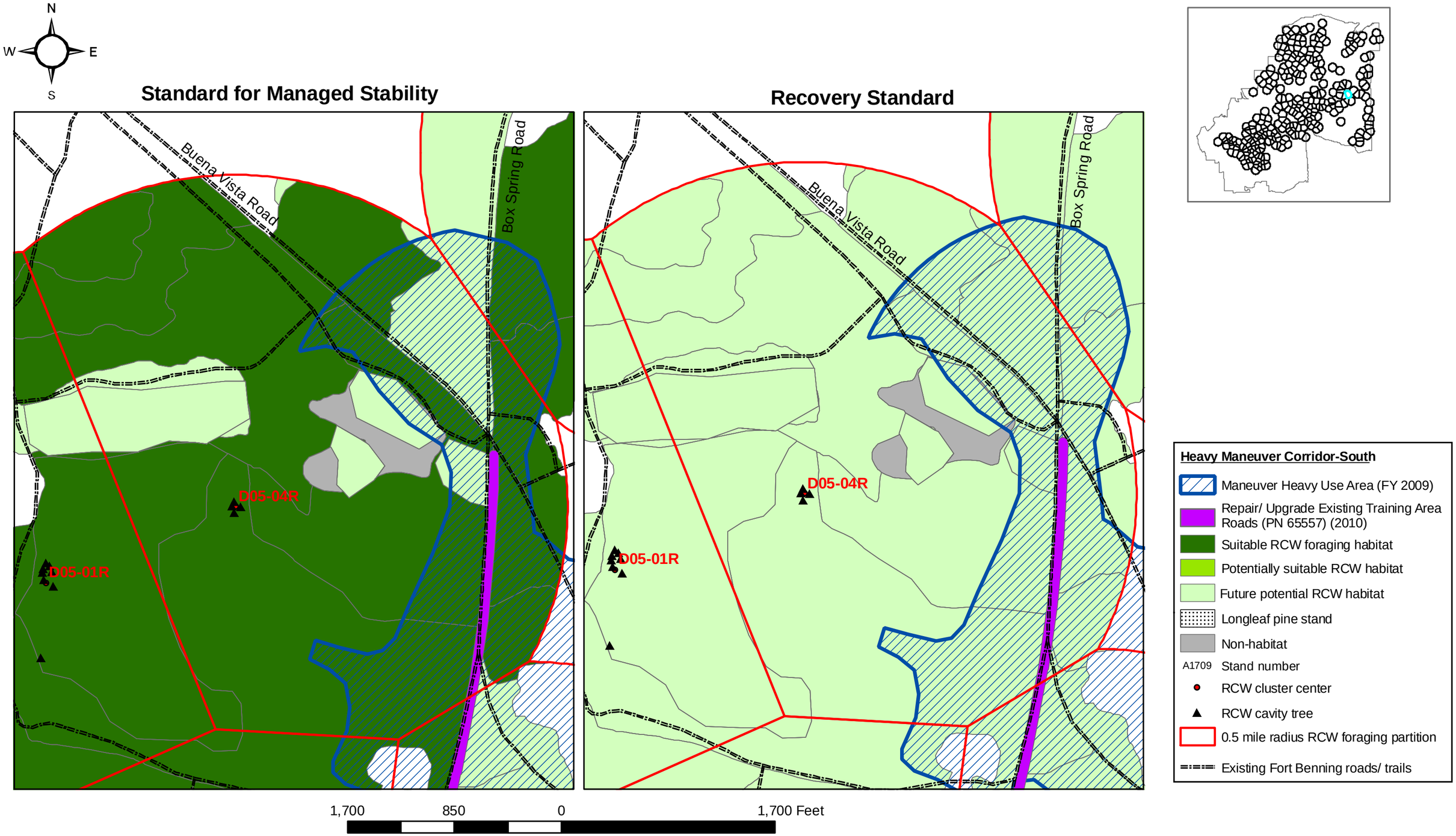

Figure G-21. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D05-04R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

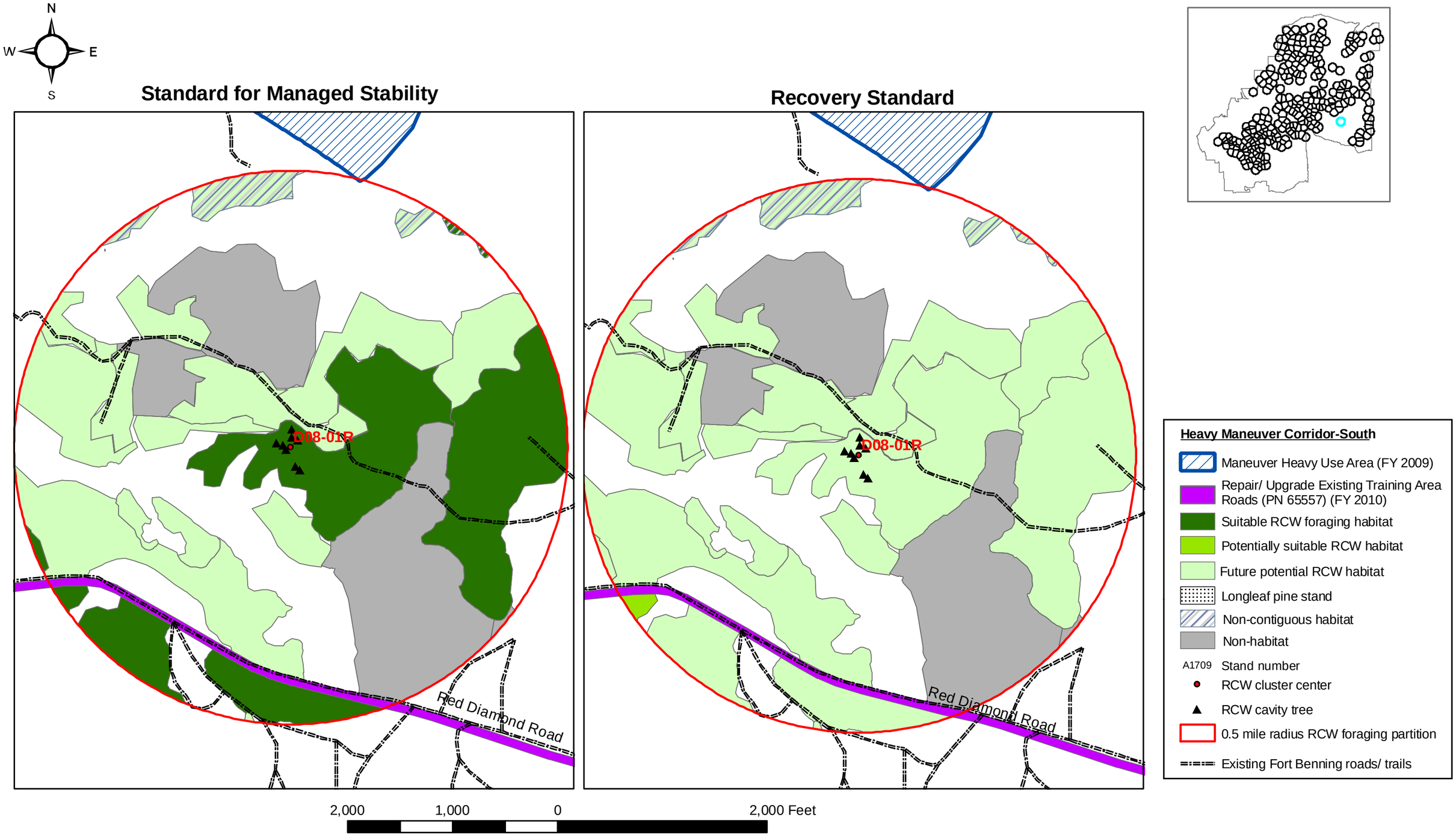

Figure G-22. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D08-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

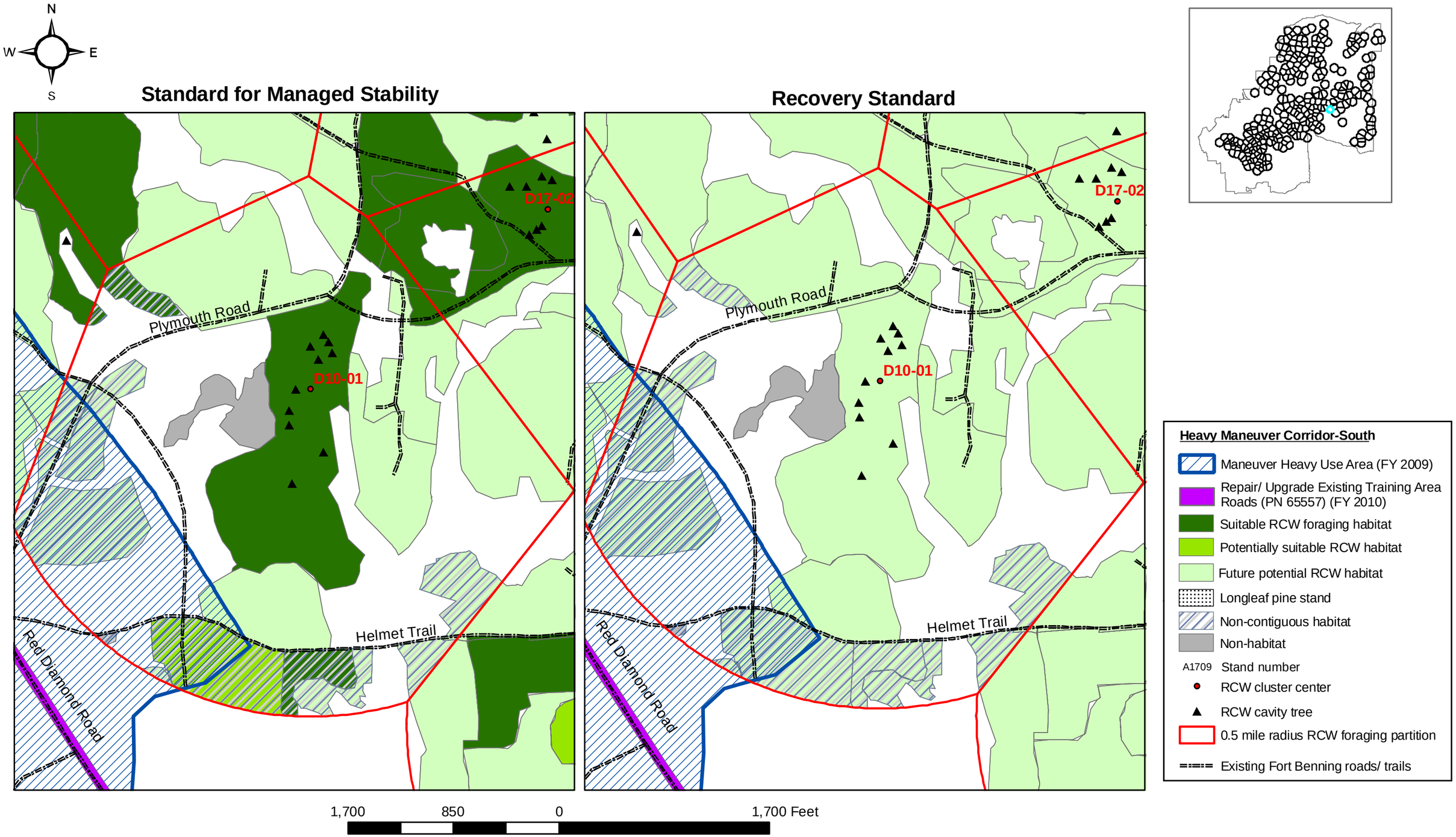

Figure G-23. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D10-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

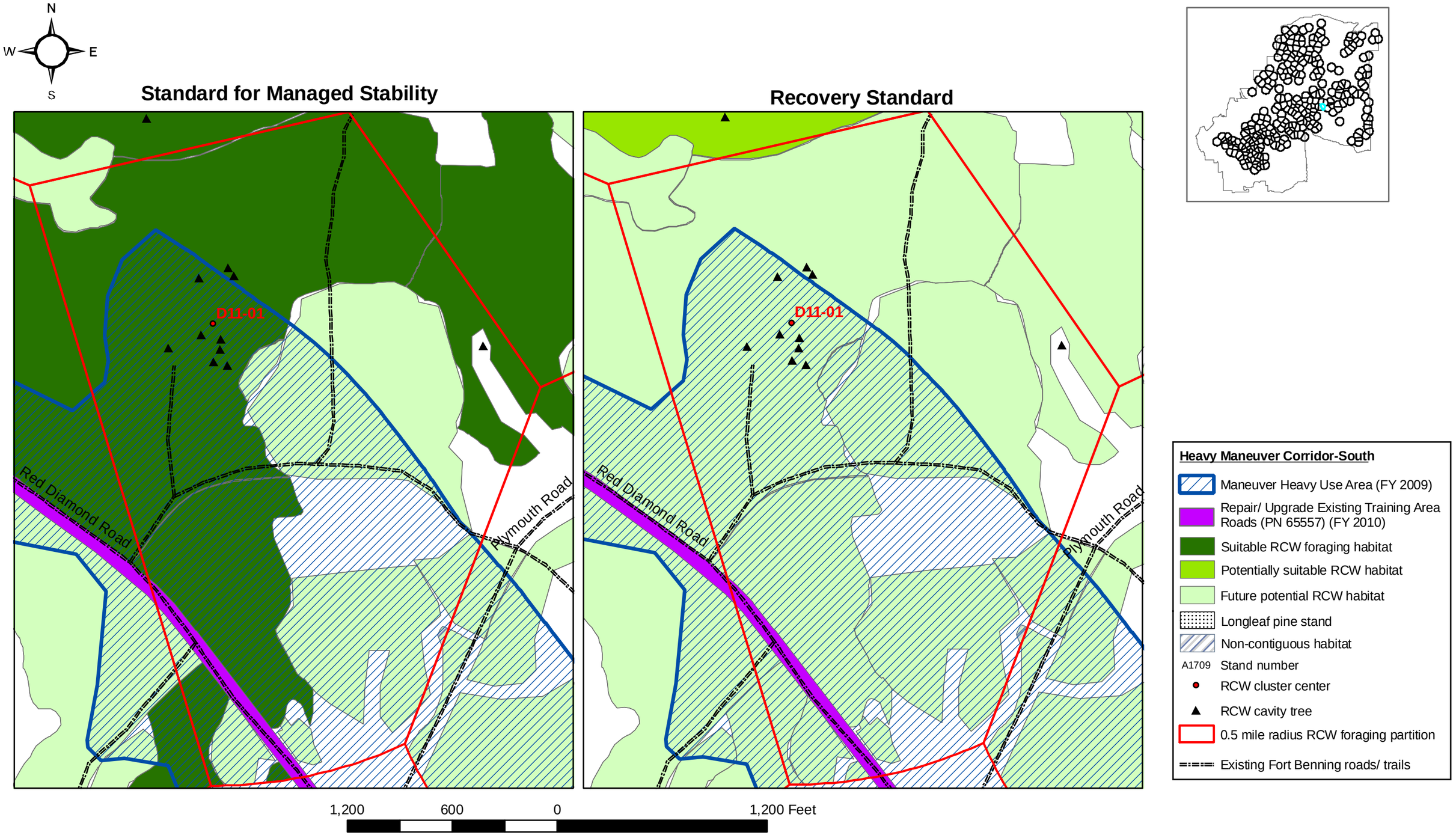

Figure G-24. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D11-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

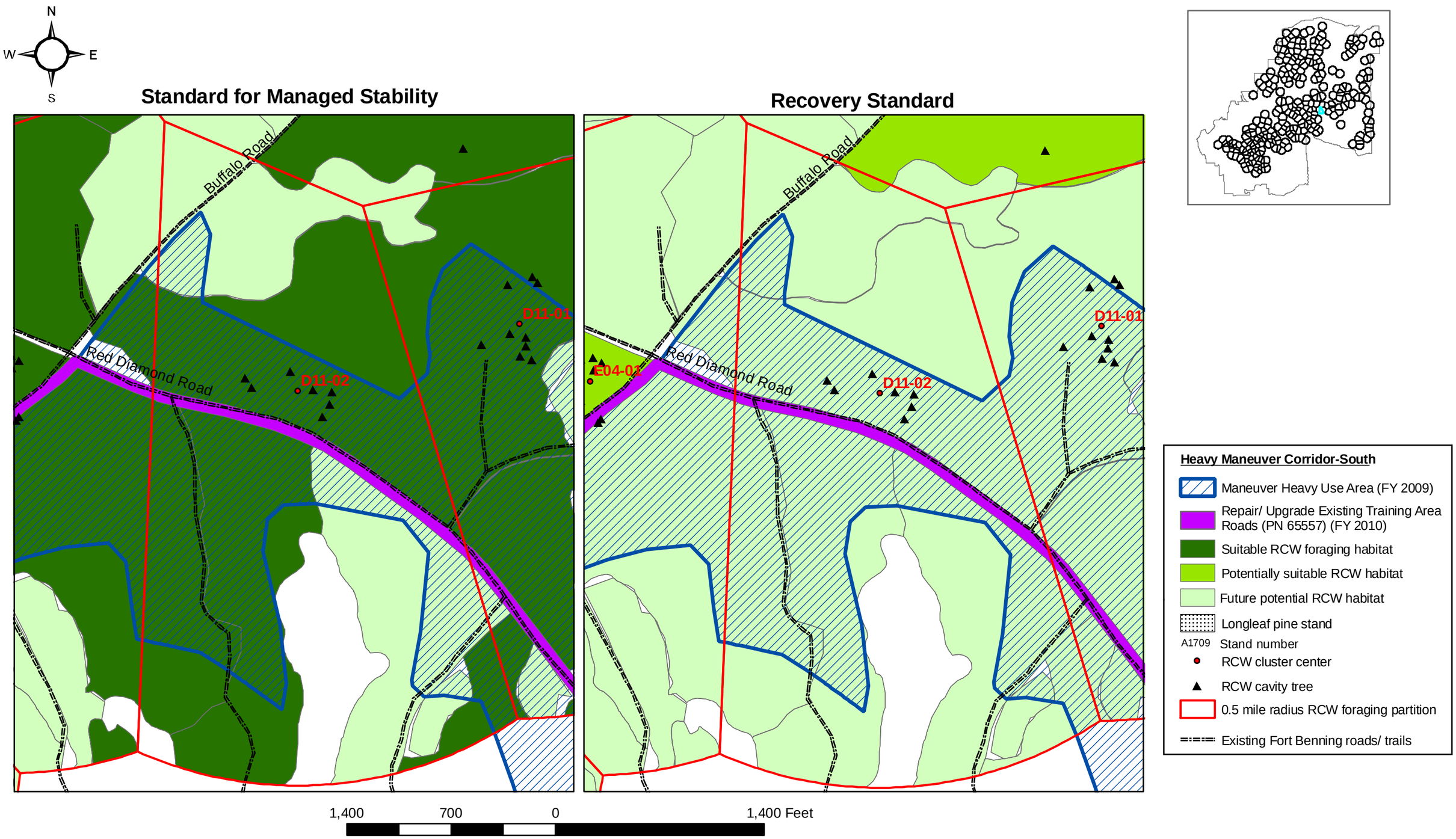

Figure G-25 Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D11-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

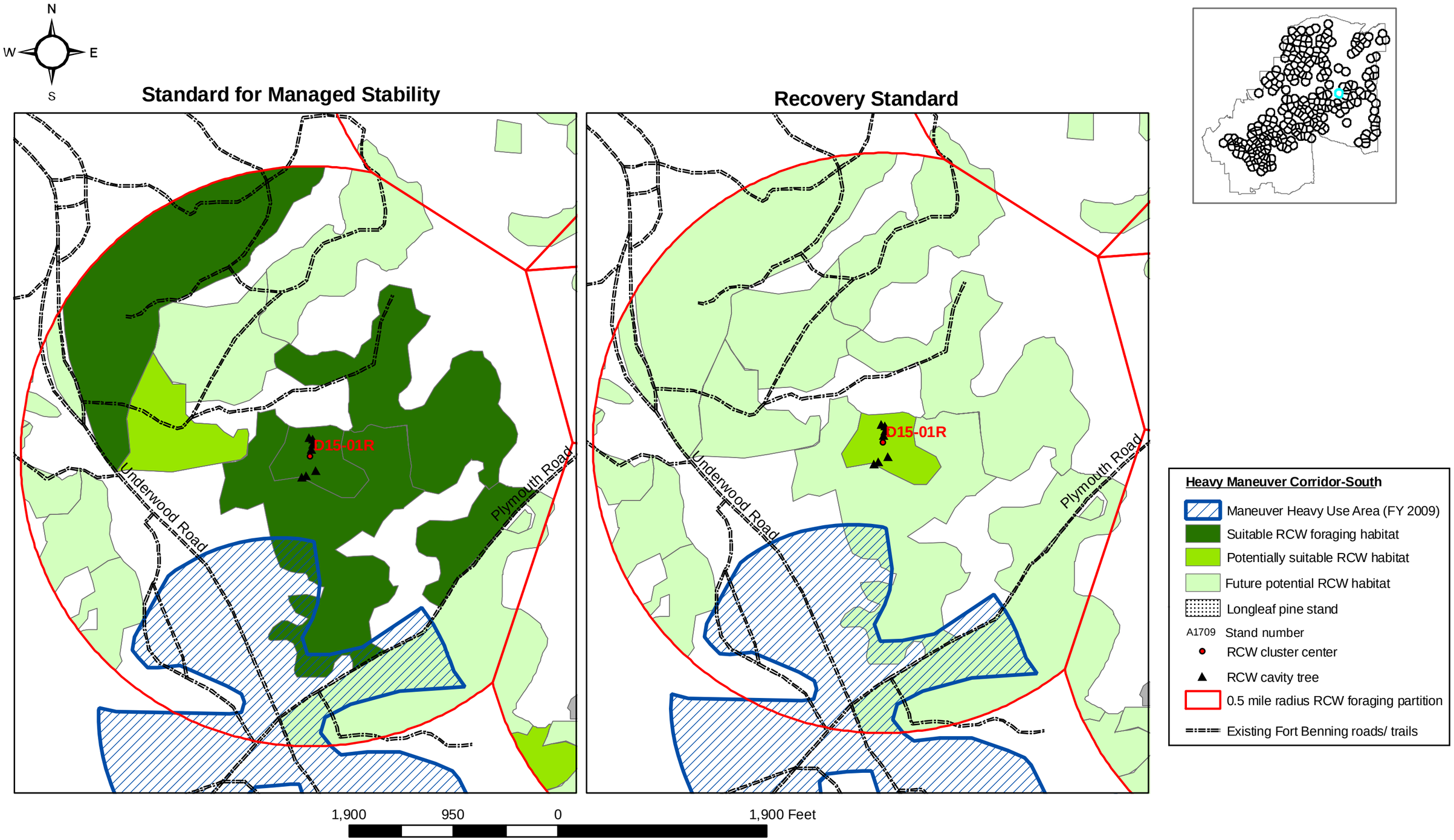

Figure G-26. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D15-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

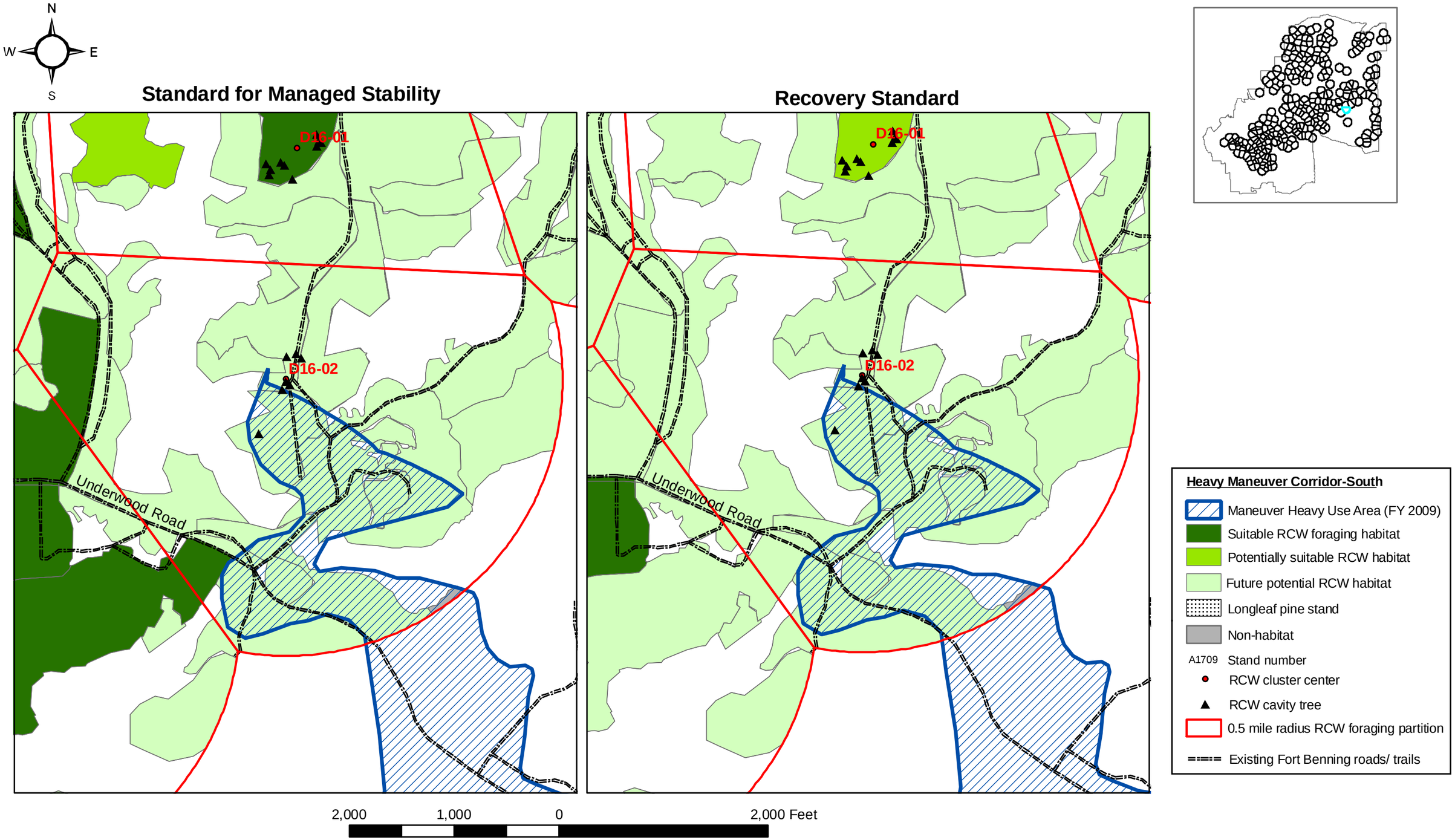

Figure G-27. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D16-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

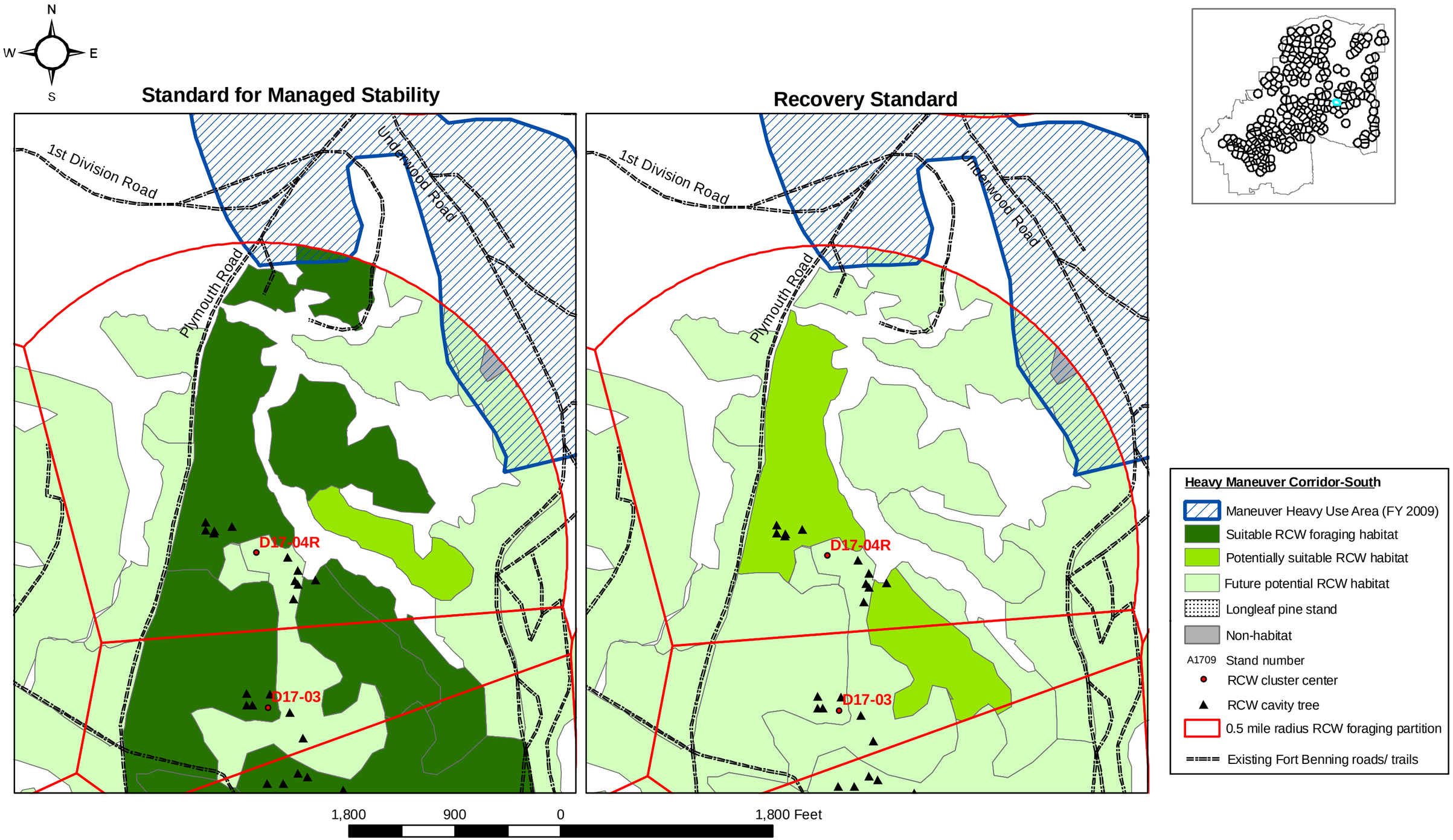

Figure G-28. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **D17-04R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

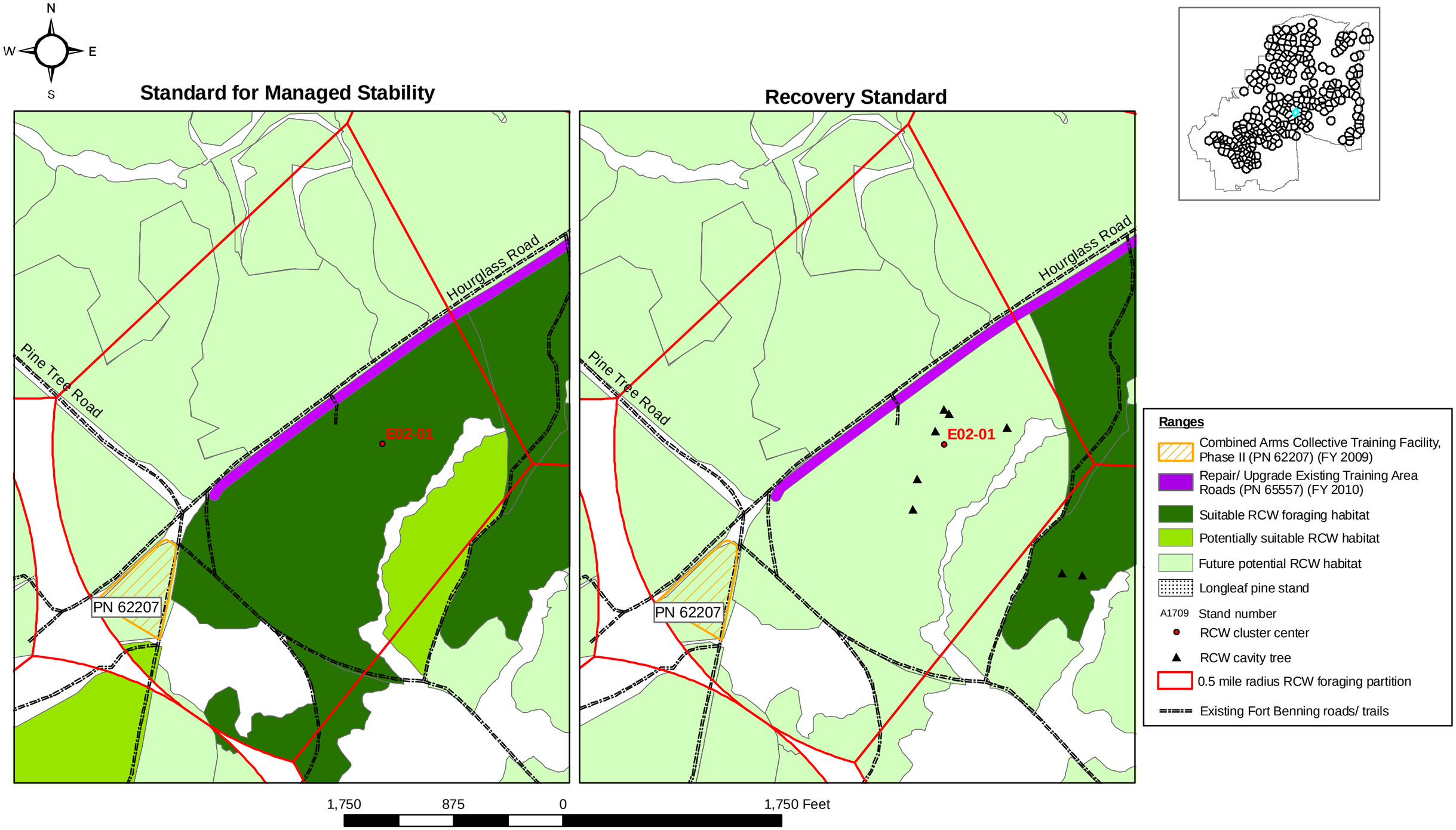

Figure G-29. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **E02-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

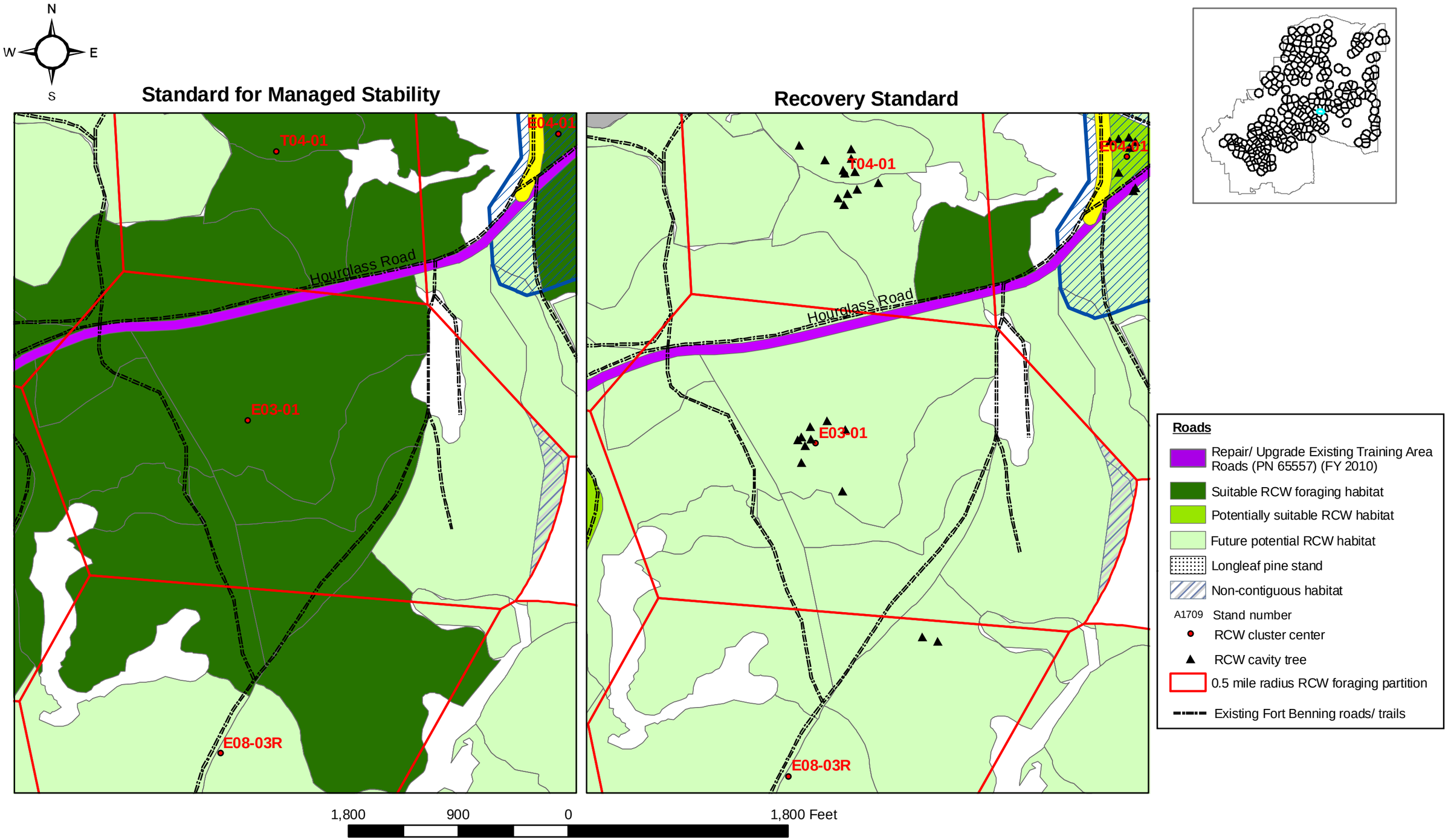

Figure G-30. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **E03-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

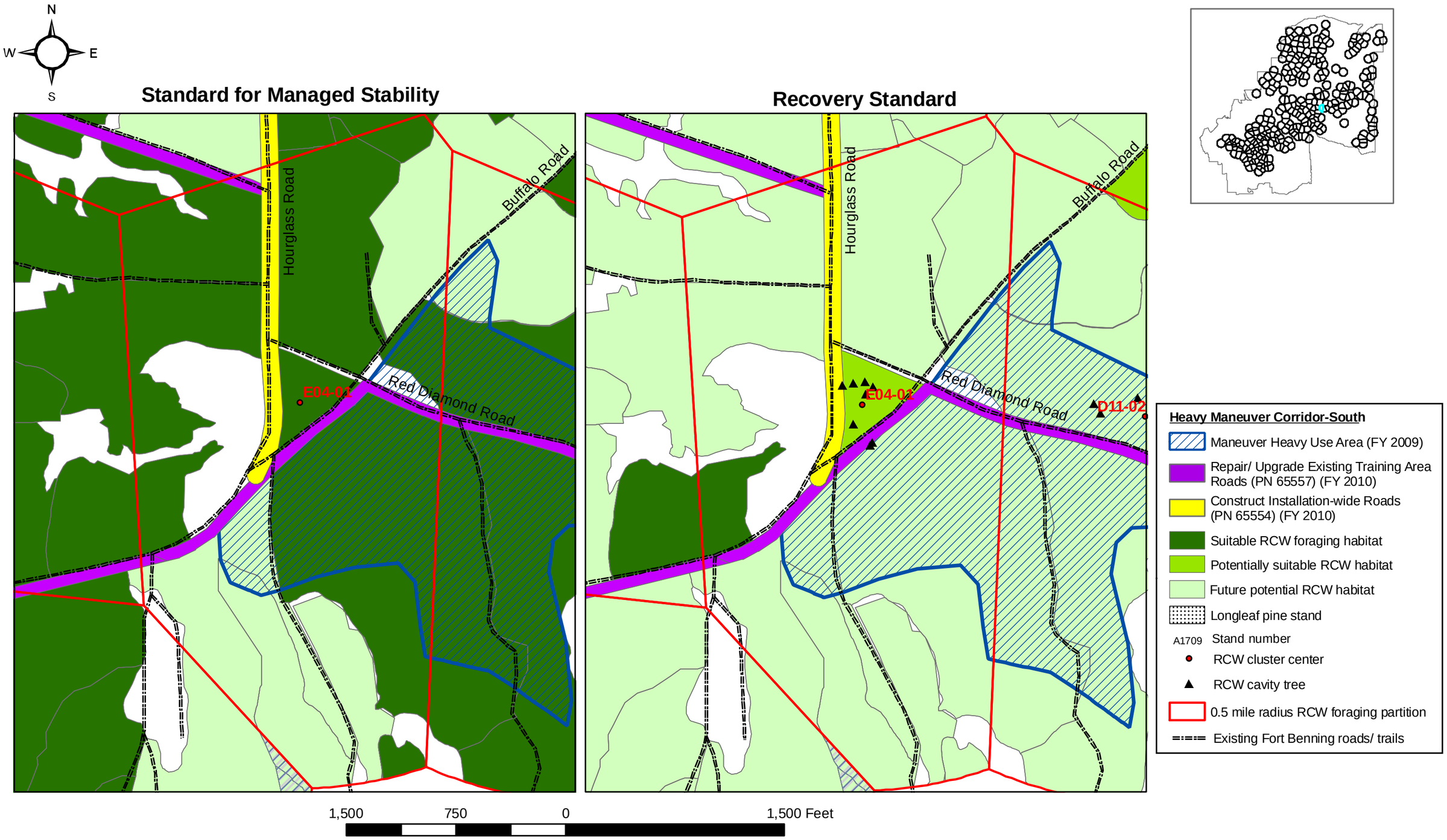

Figure G-31. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **E04-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

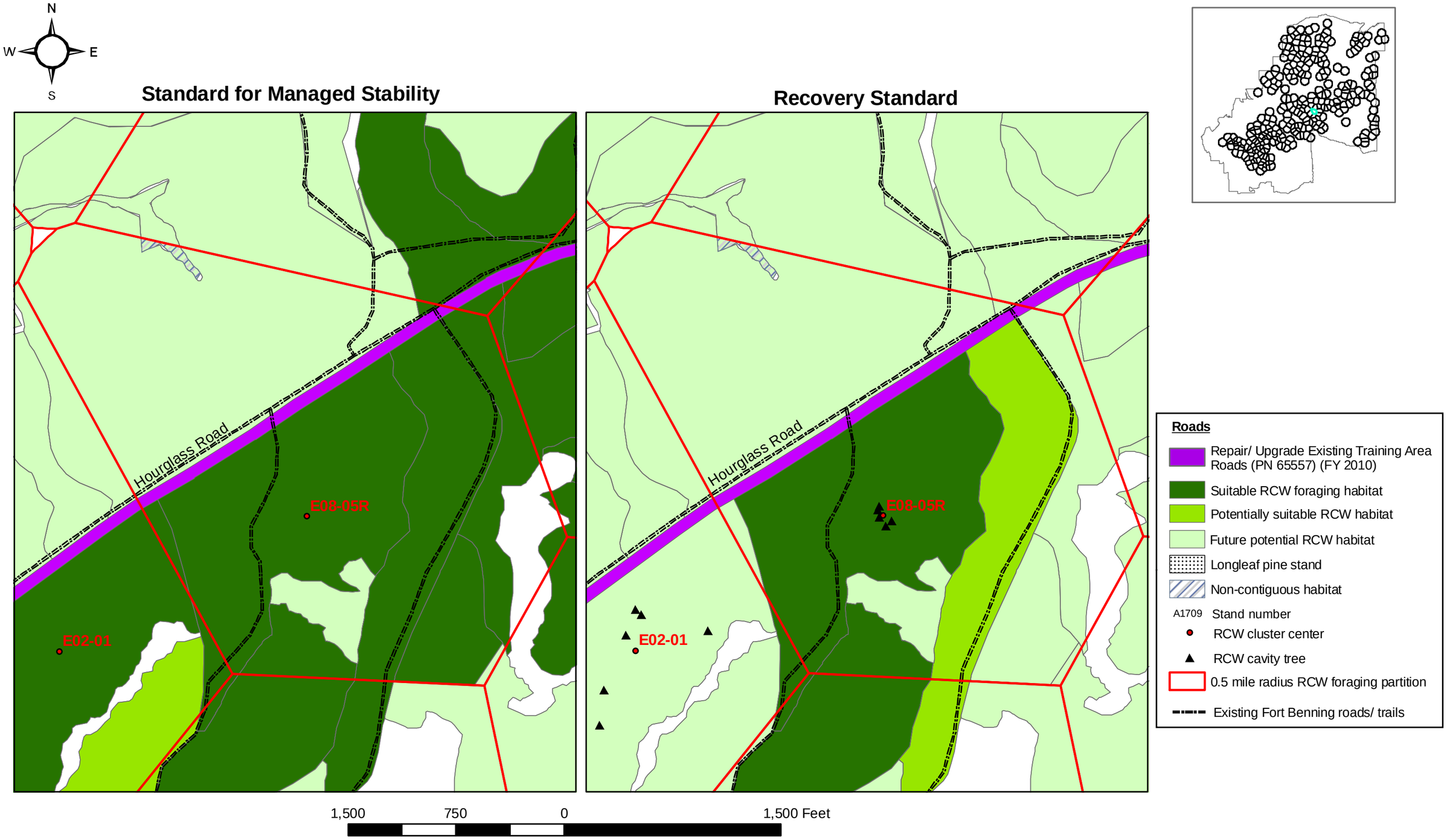

Figure G-32. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **E08-05R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

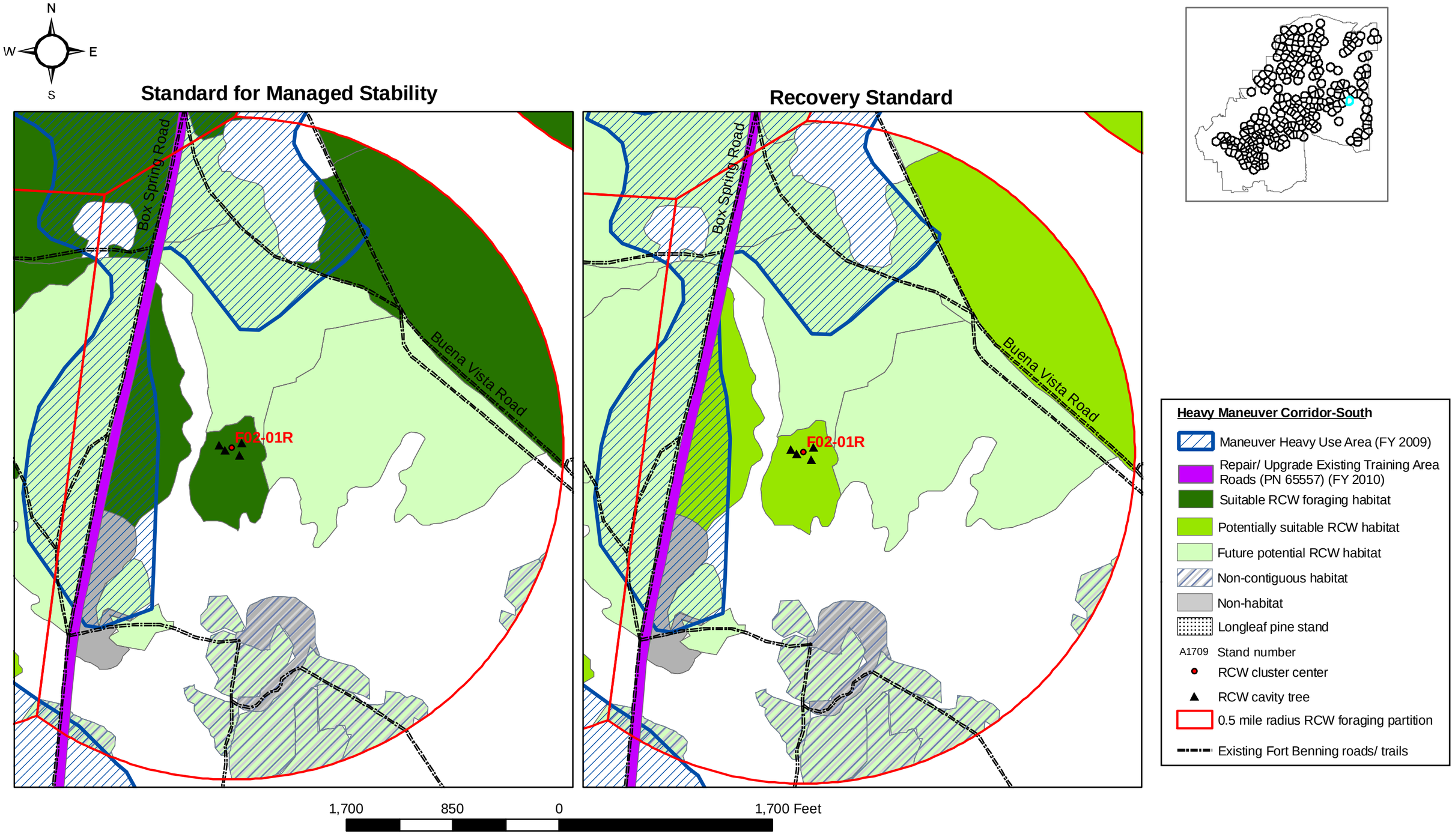

Figure G-33. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **F02-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

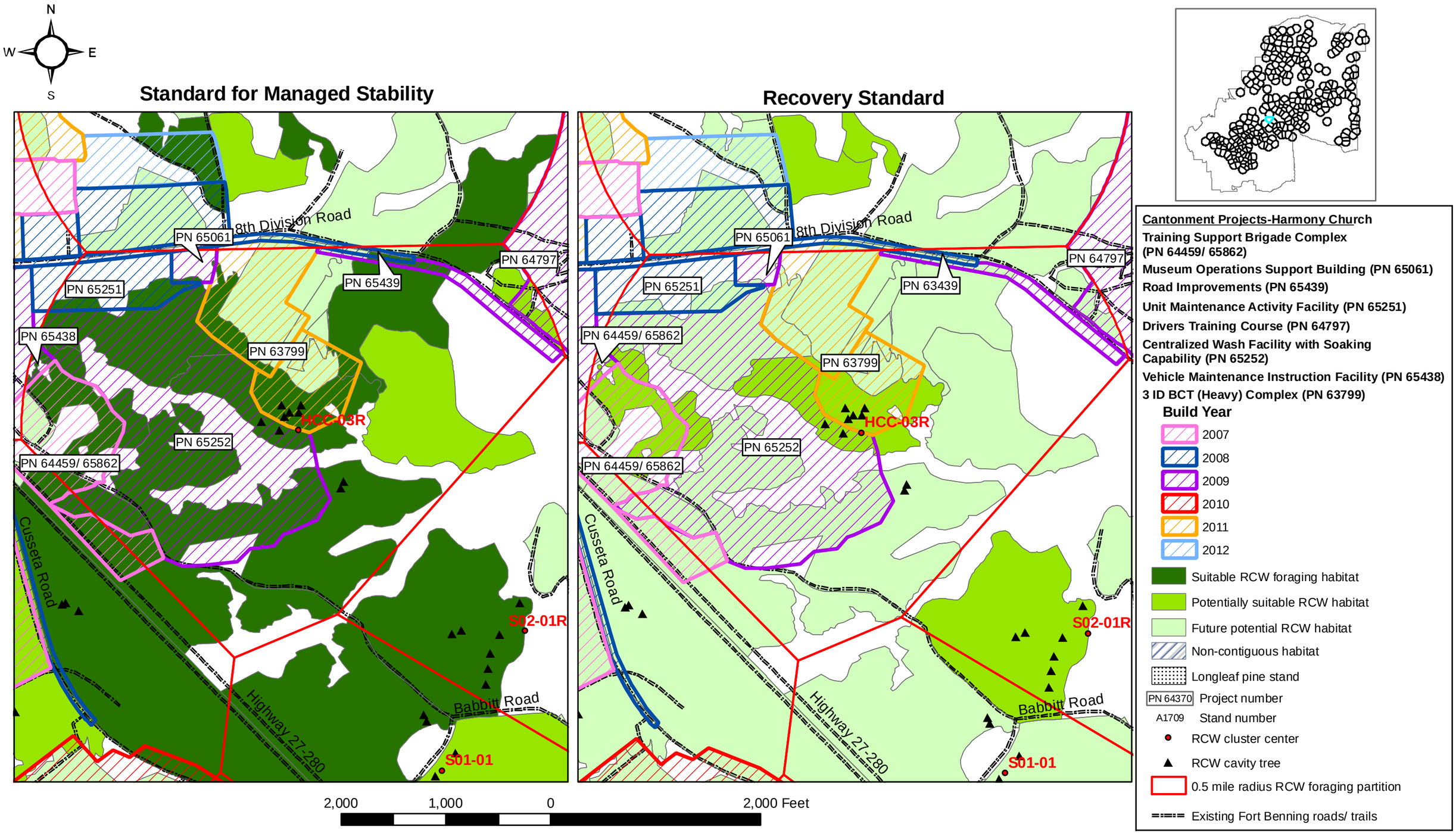

Figure G-34. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **HCC-03R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

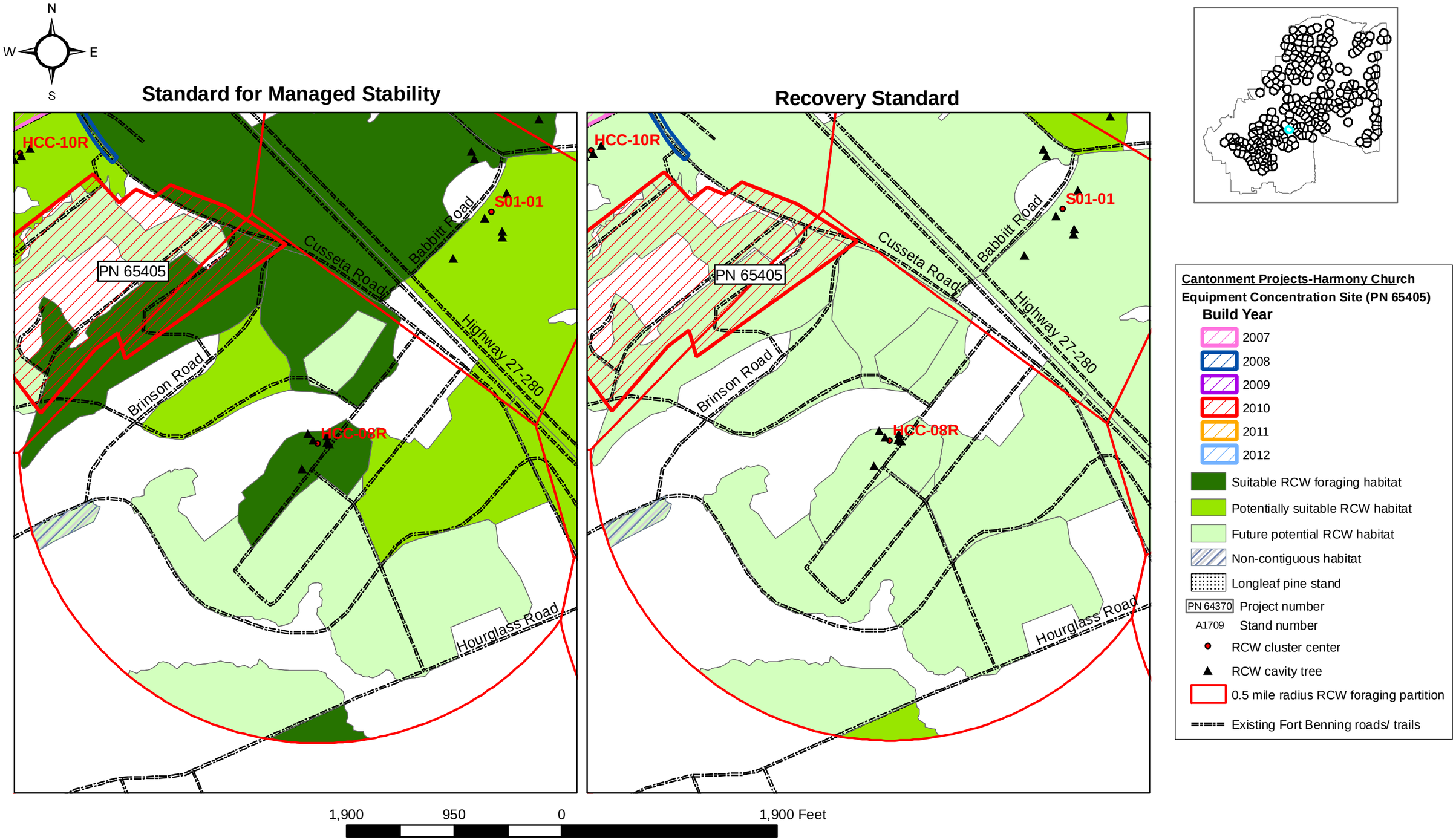

Figure G-35. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **HCC-08R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

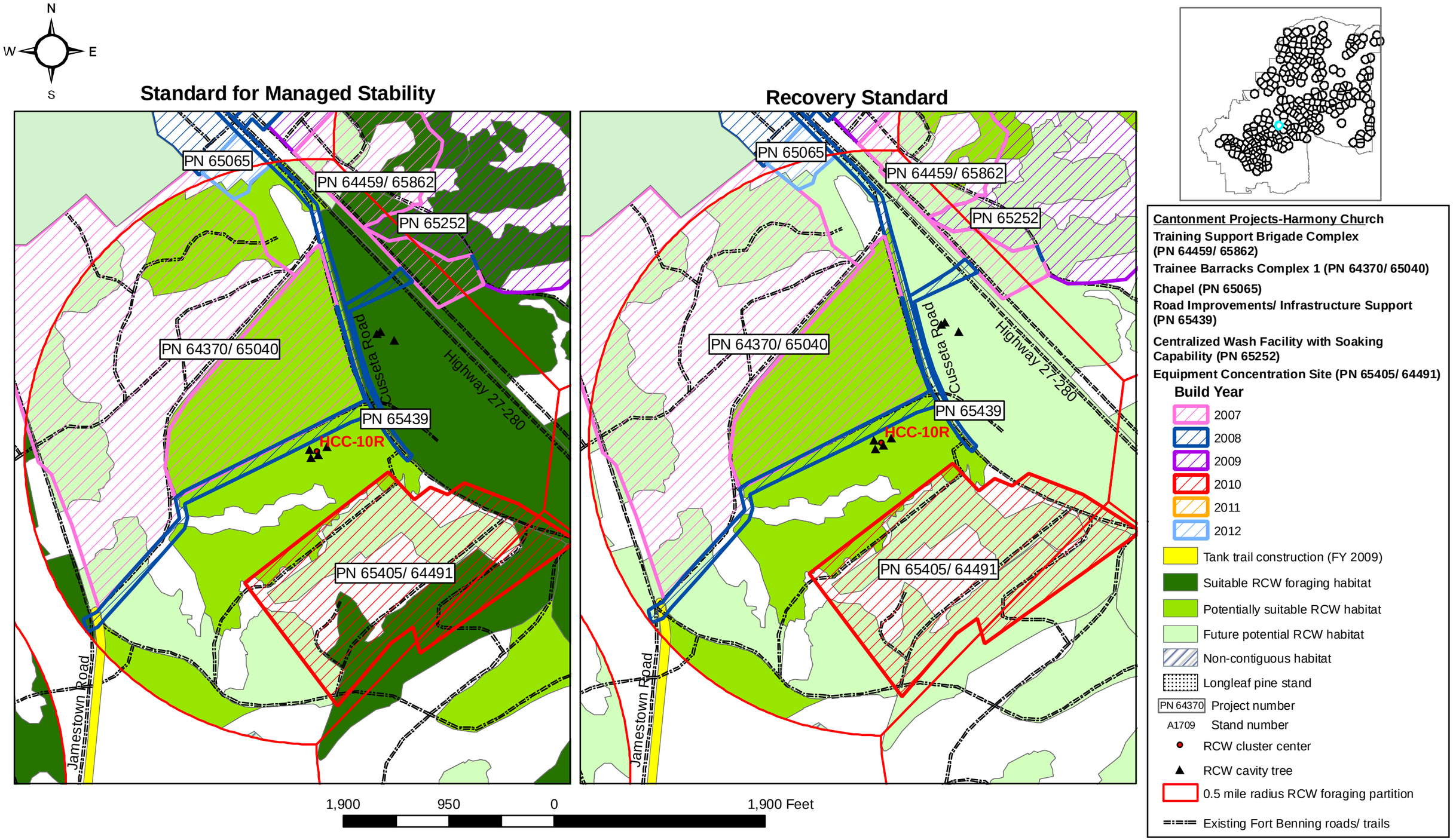

Figure G-36. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **HCC-10R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

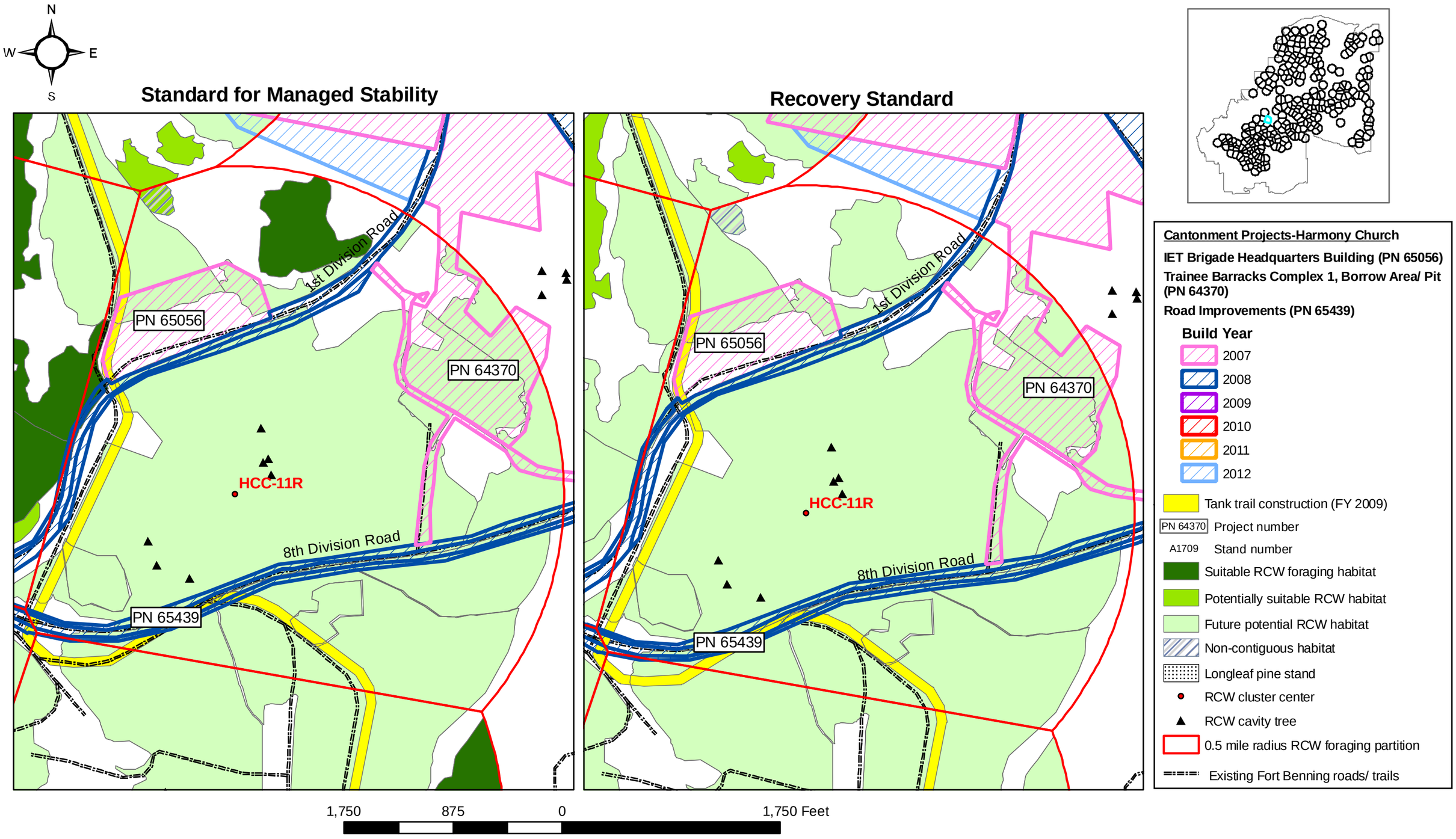

Figure G-37. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **HCC-11R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

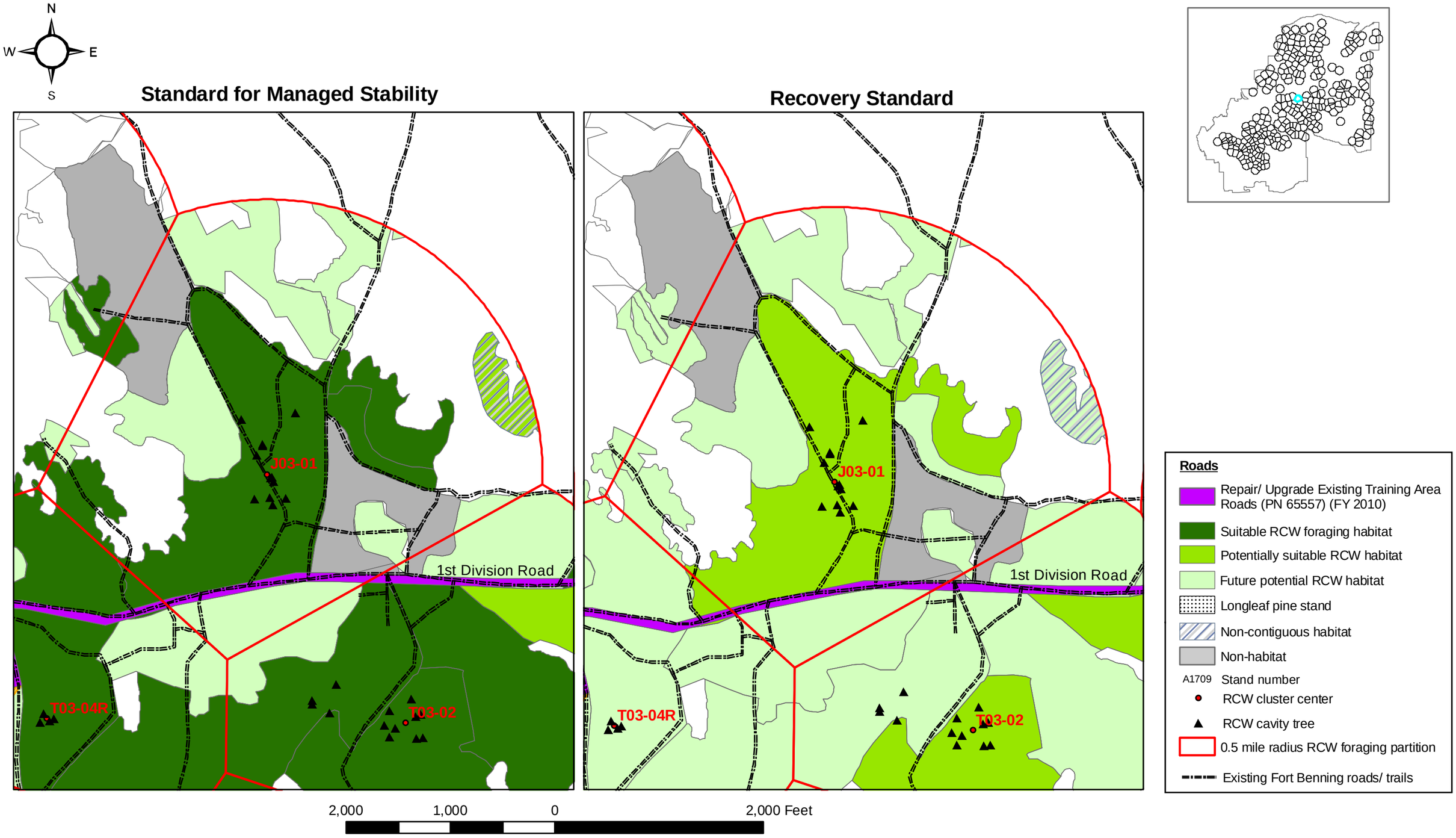

Figure G-38. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **J03-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

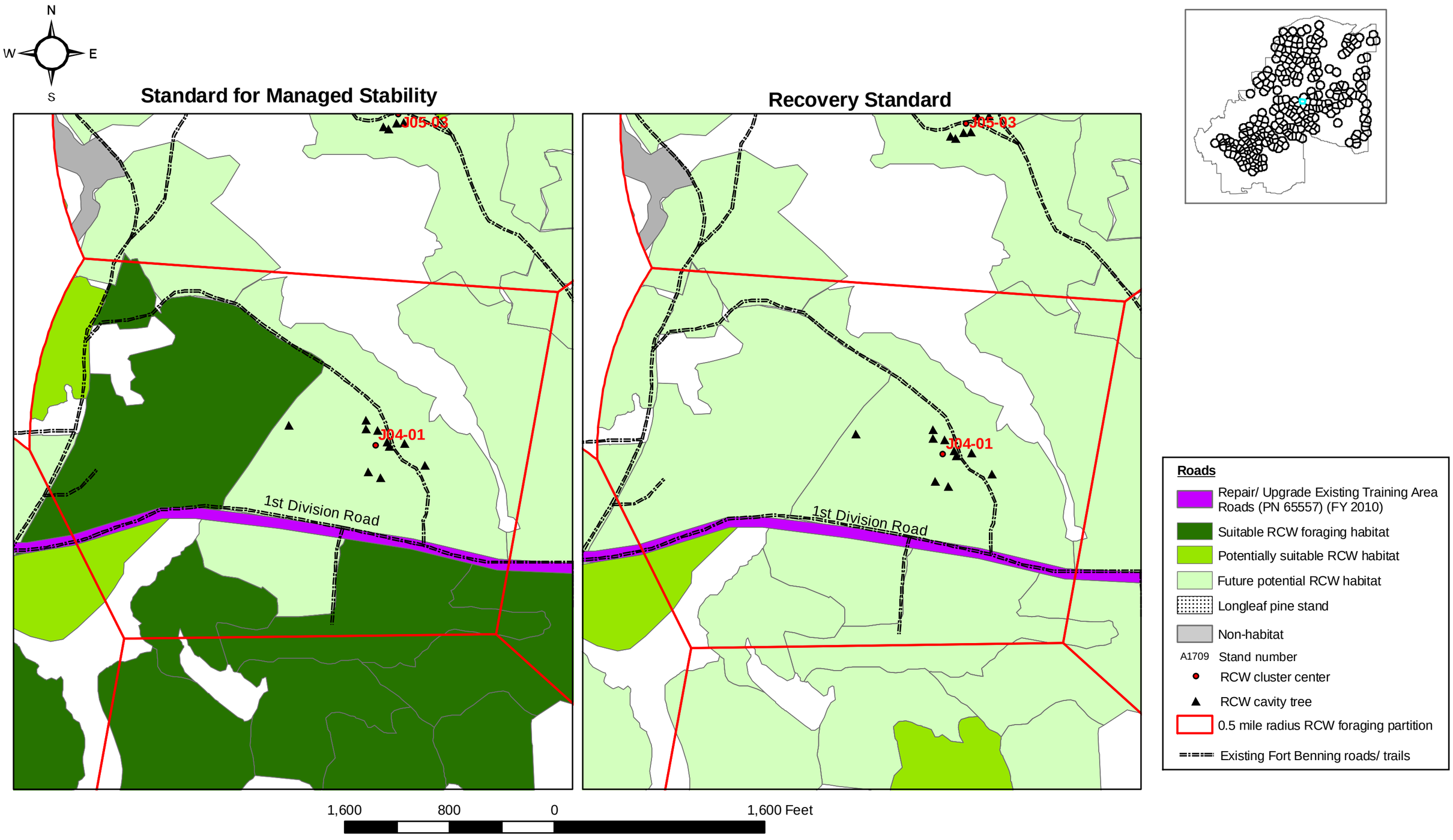

Figure G-39. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **J04-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

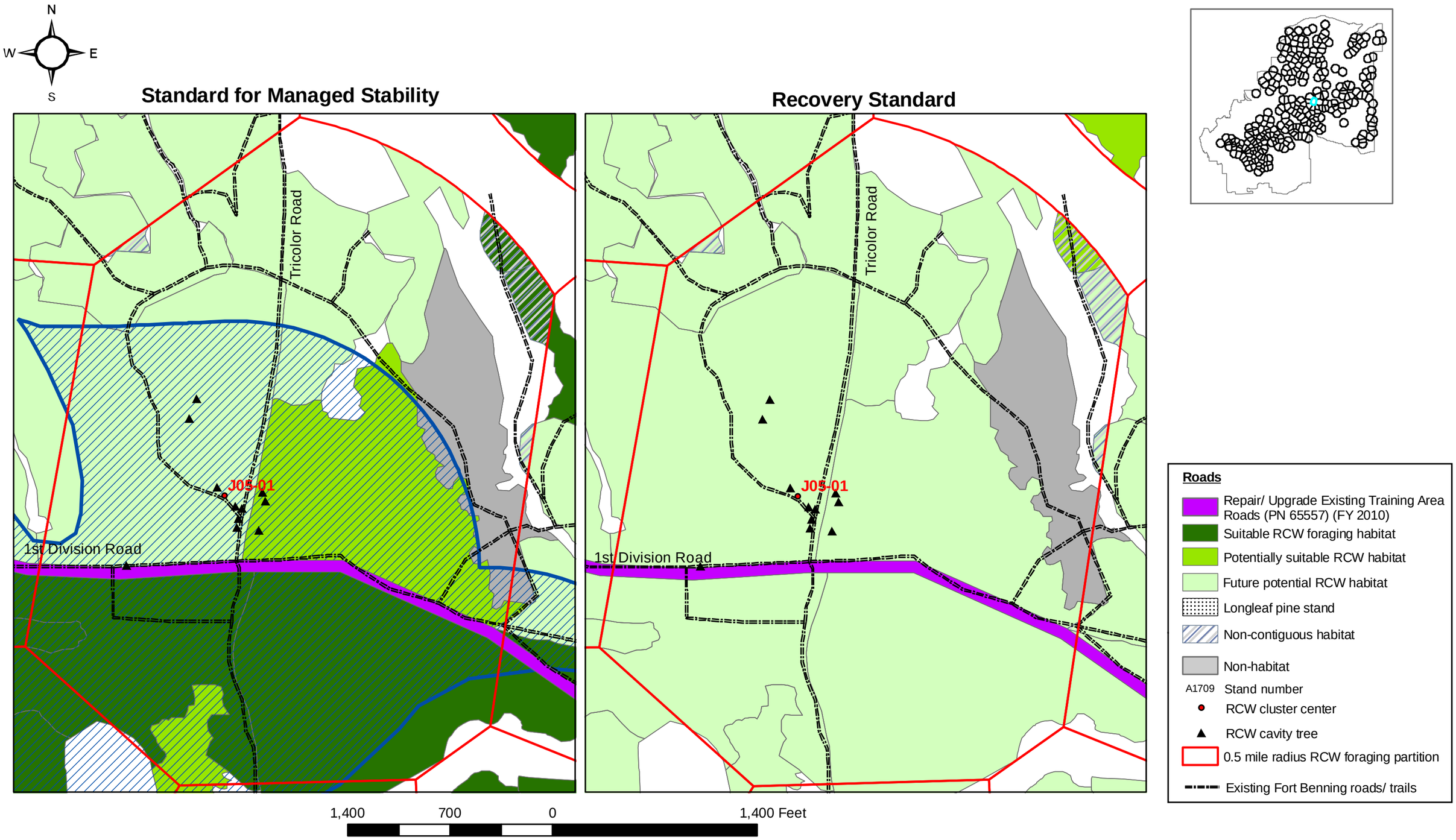

Figure G-40. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **J05-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

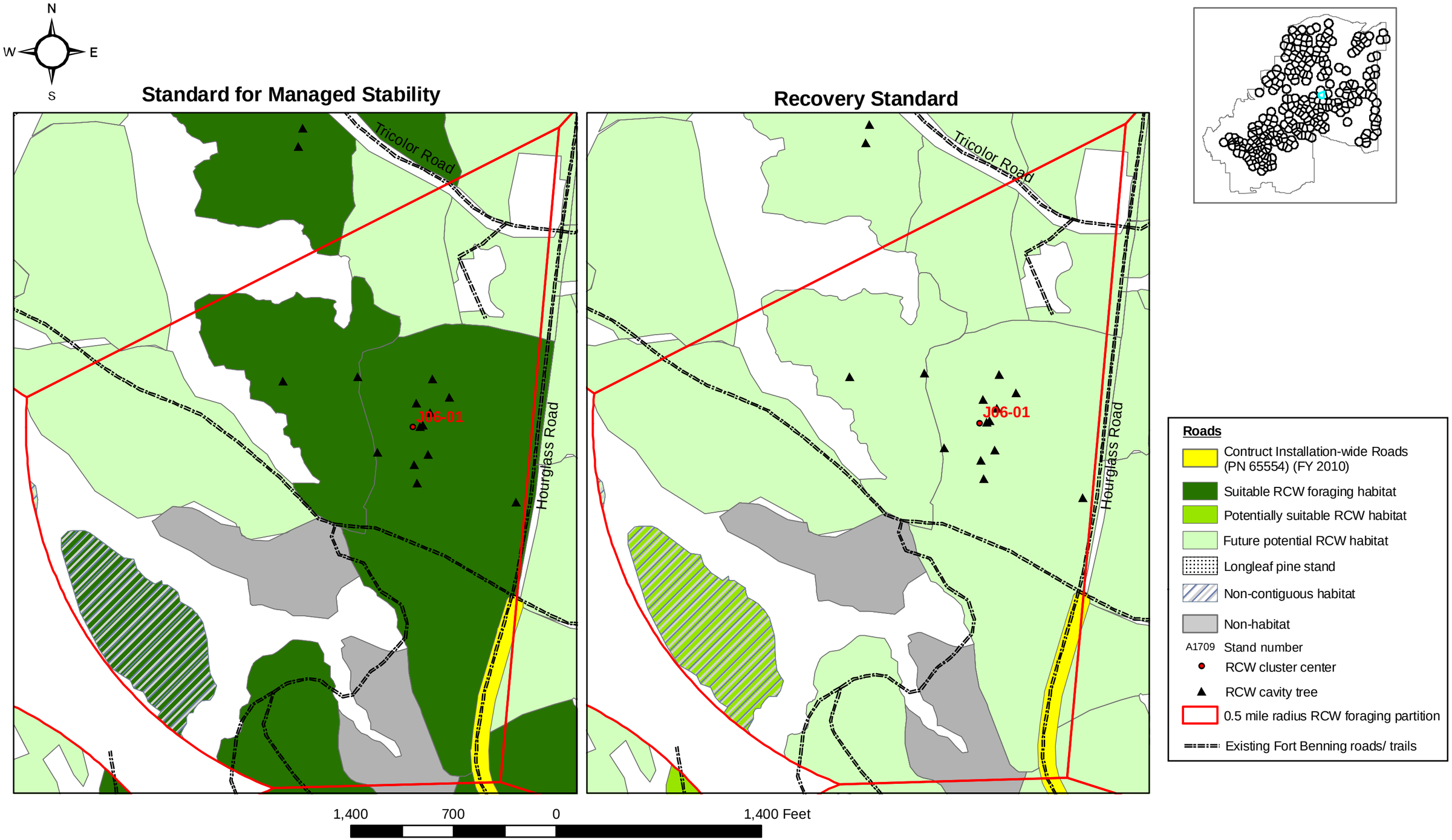

Figure G-41. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **J06-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

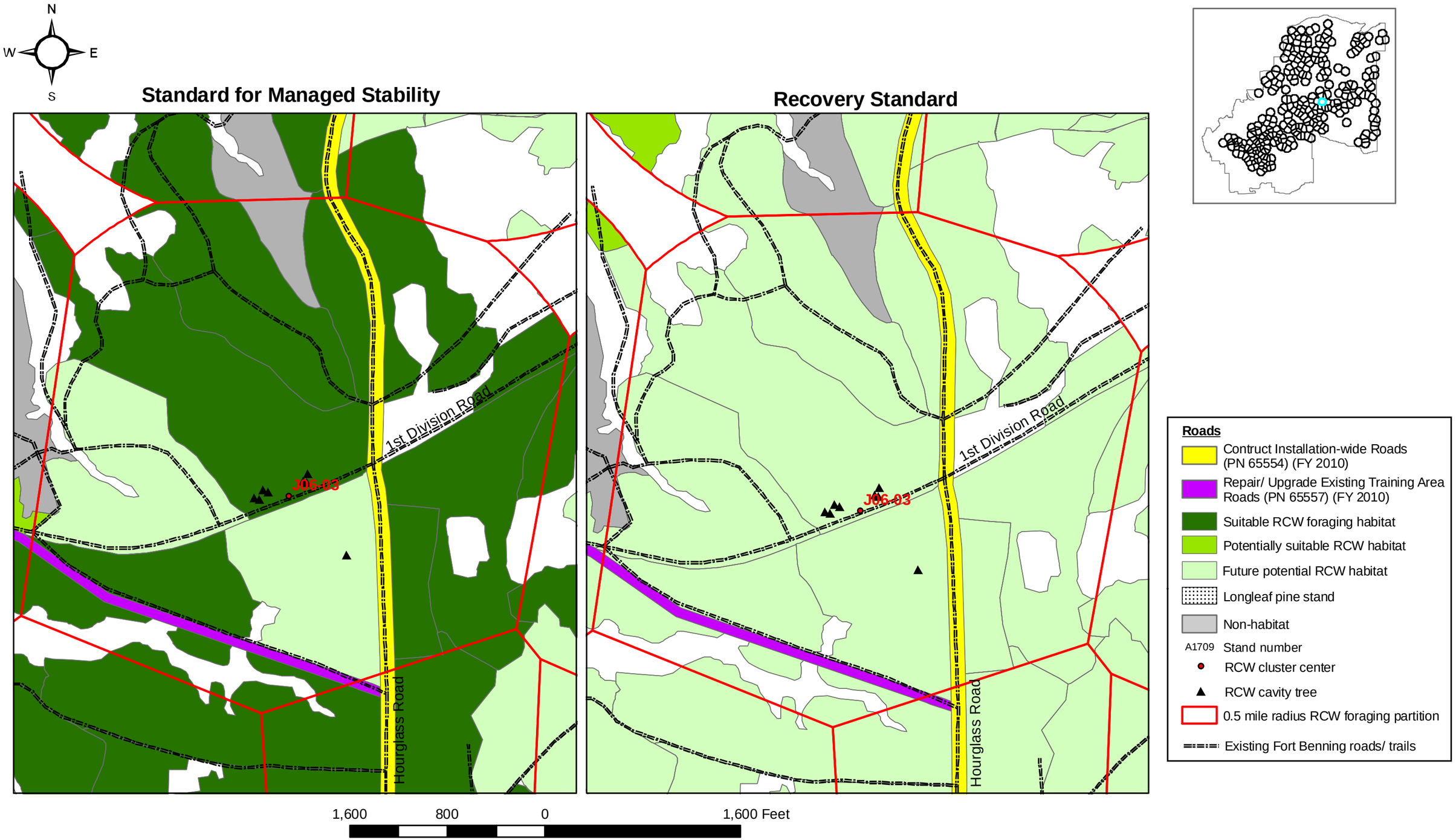

Figure G-42. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **J06-03** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

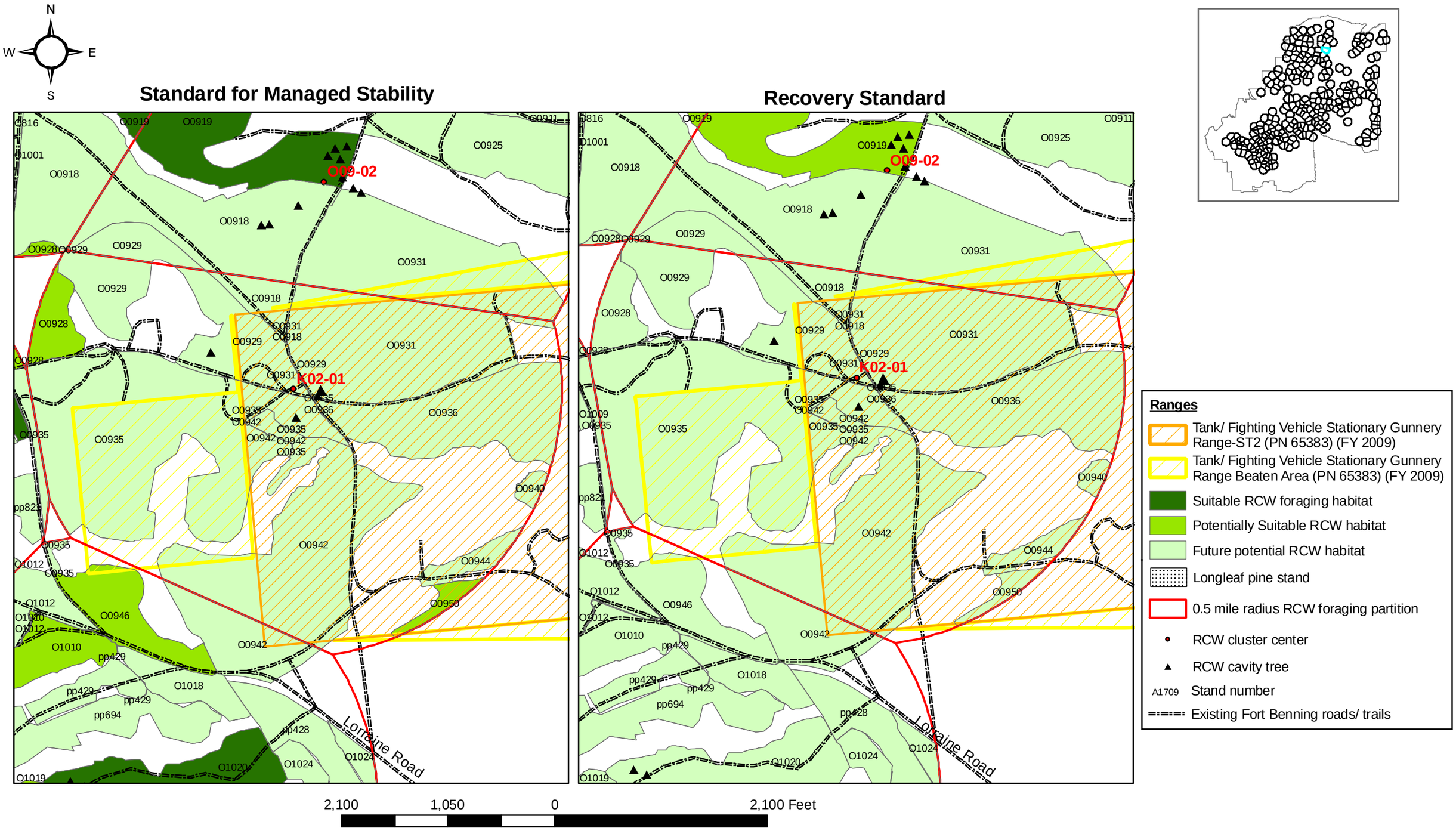

Figure G-43. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K02-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

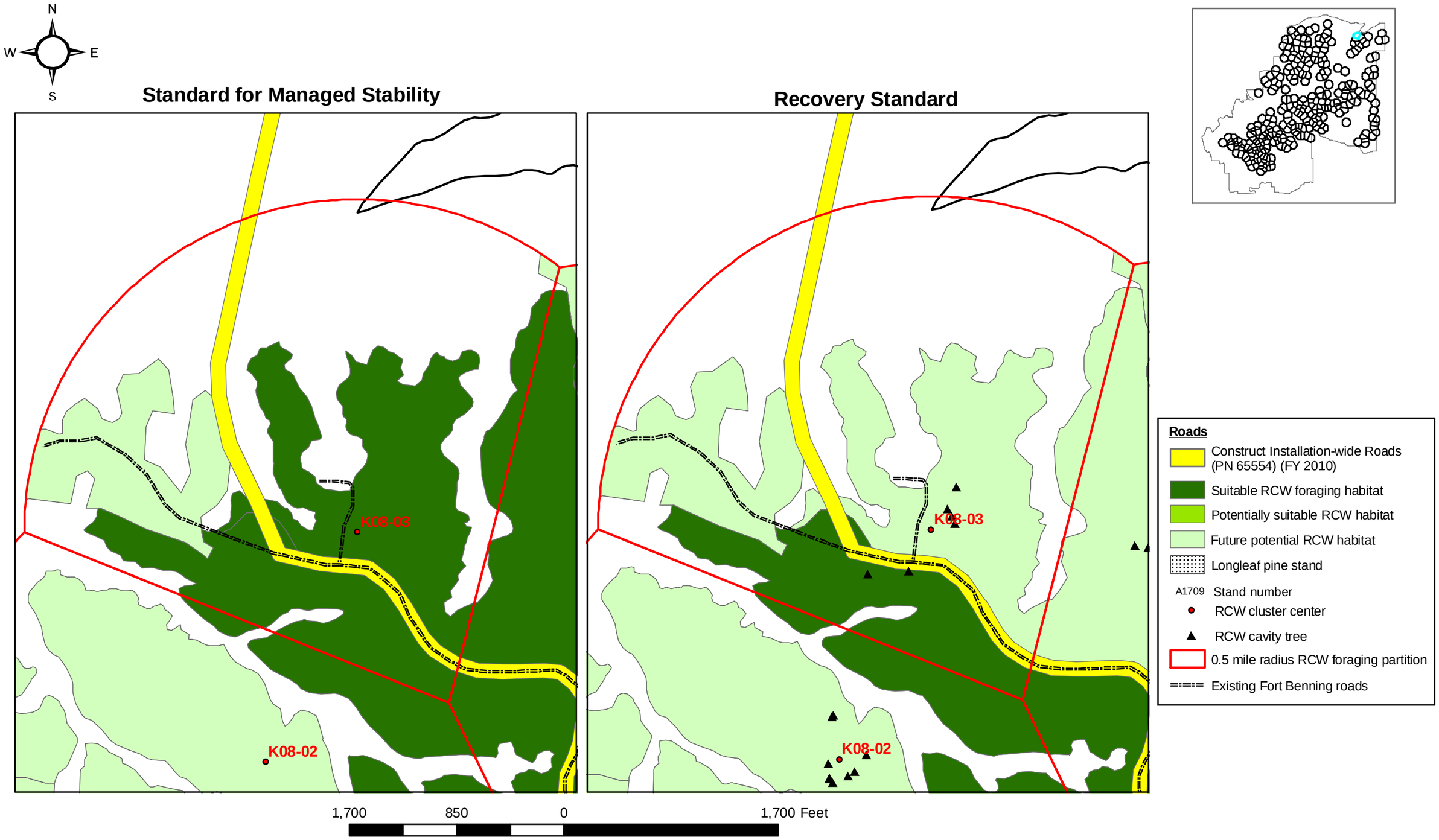

Figure G-44. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K08-03** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

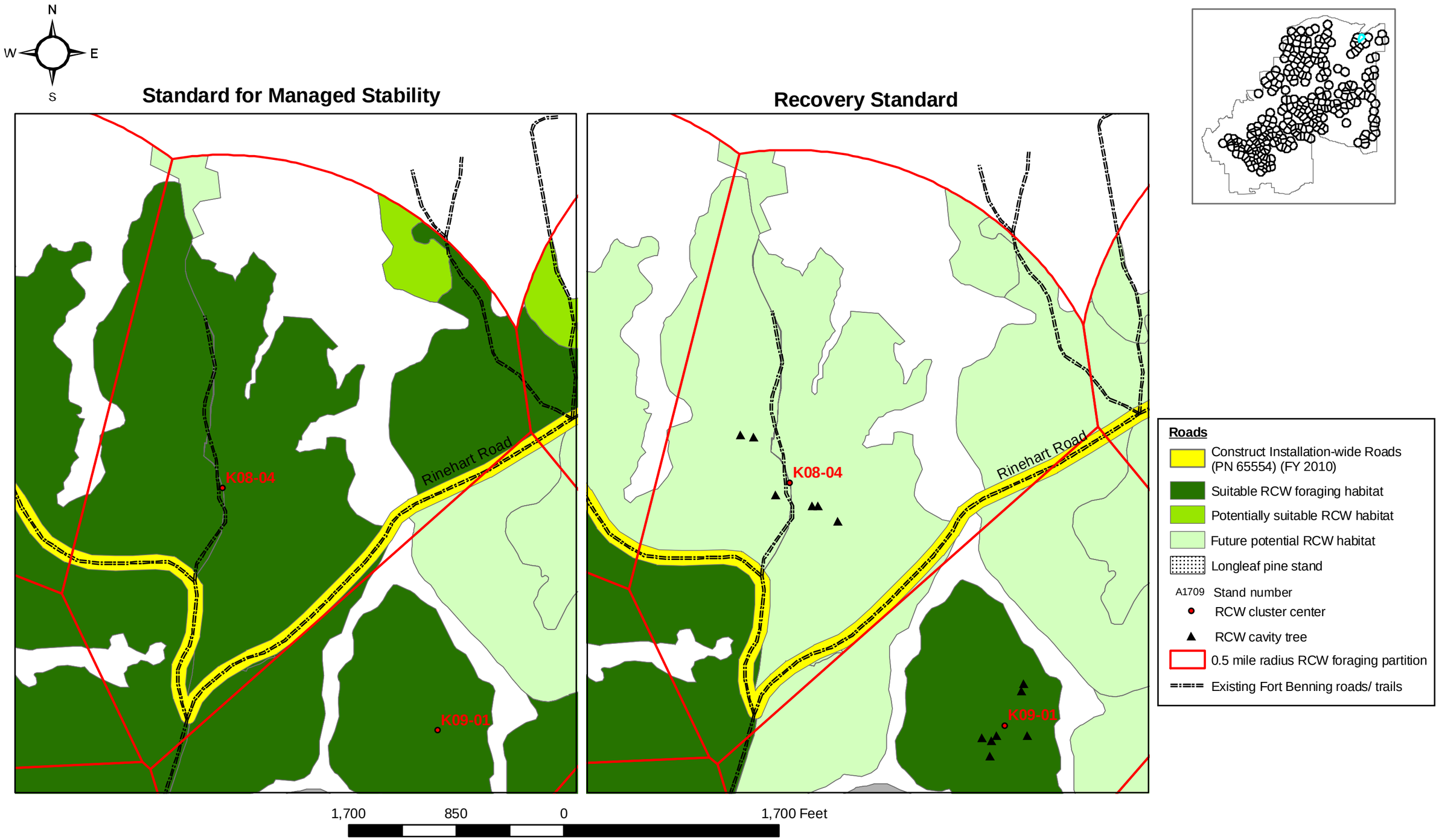

Figure G-45. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K08-04** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

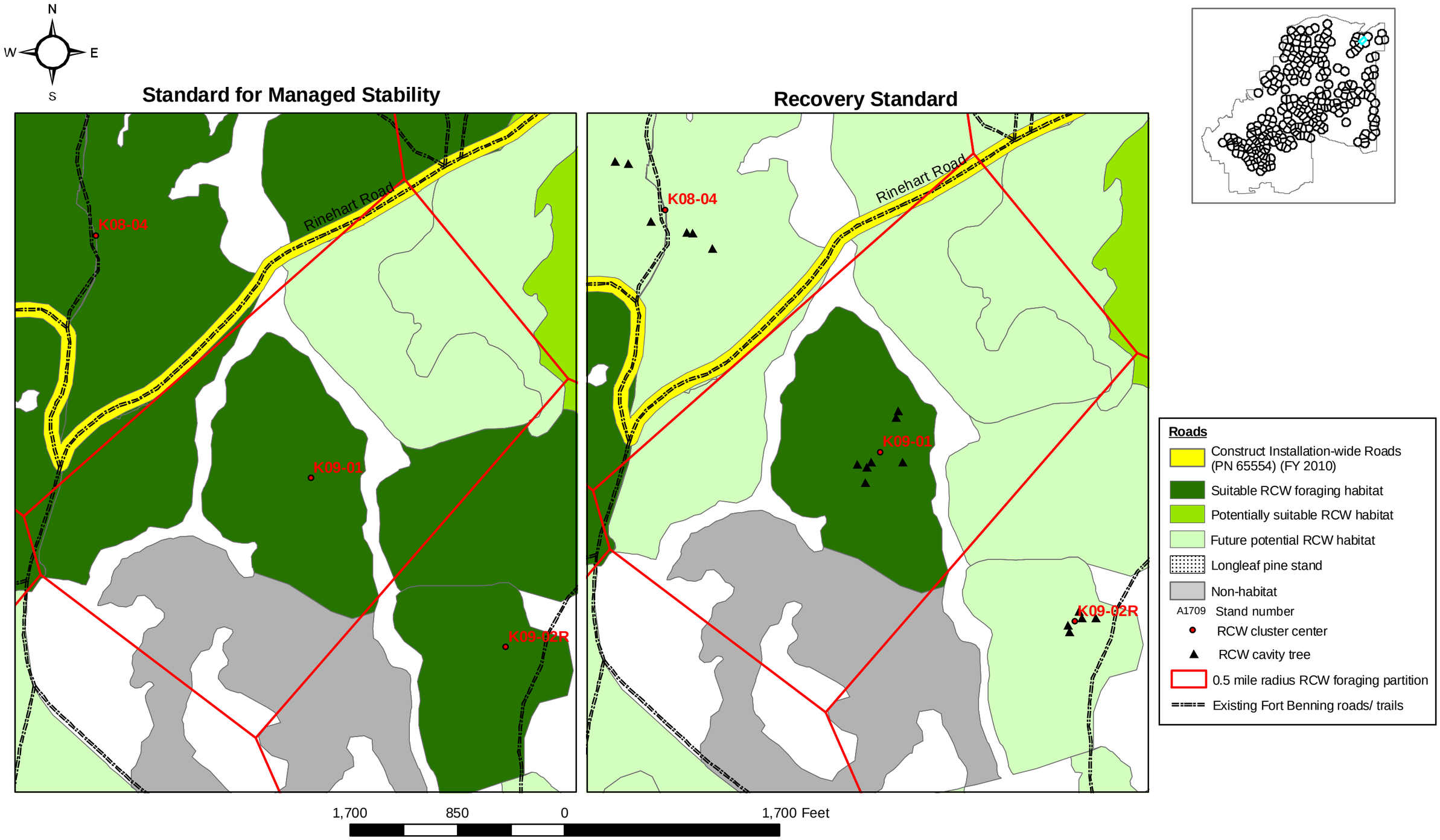

Figure G-46. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K09-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning Military Installation, Georgia.

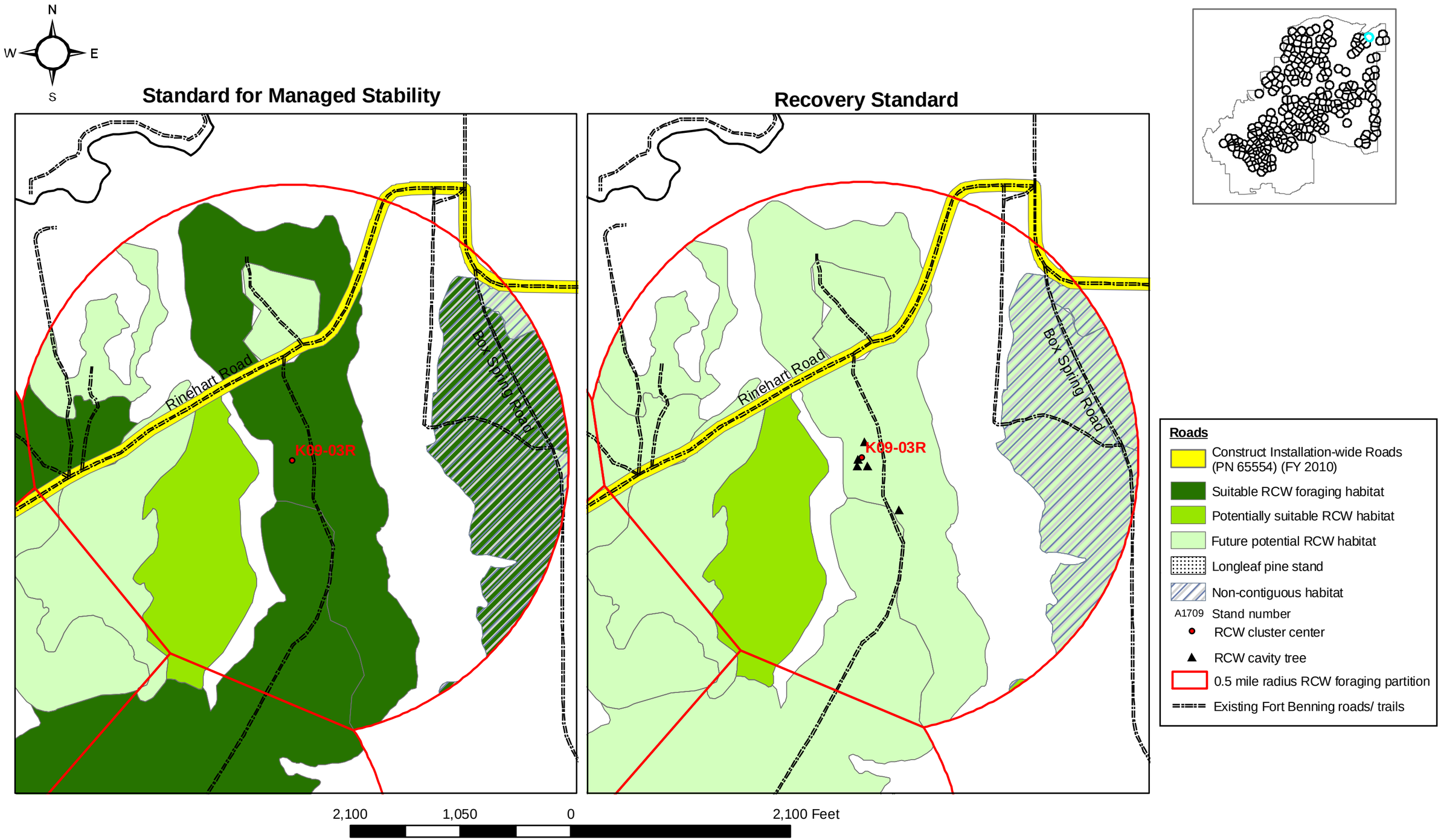

Figure G-47. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K09-03R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

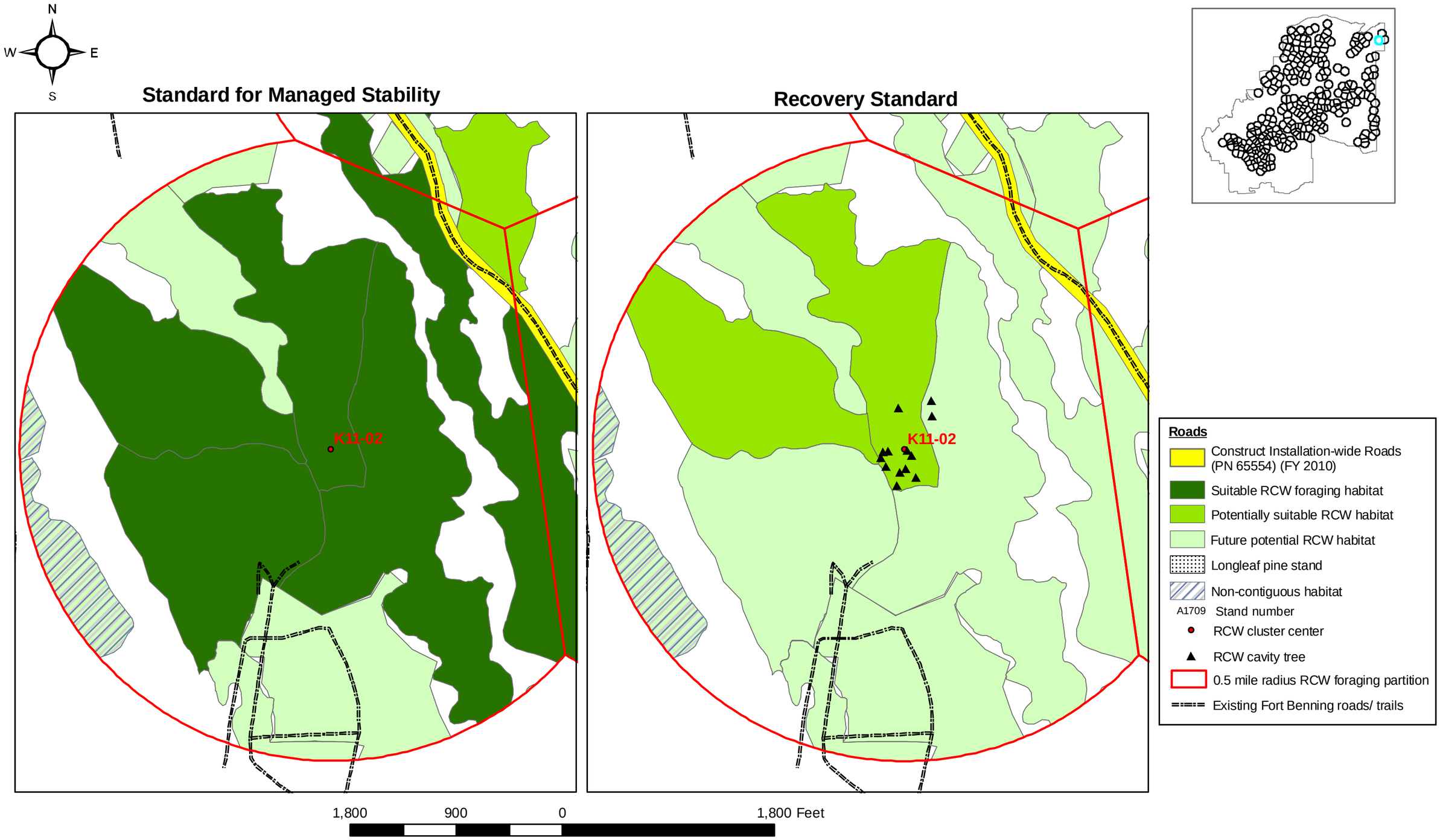

Figure G-48. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K11-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

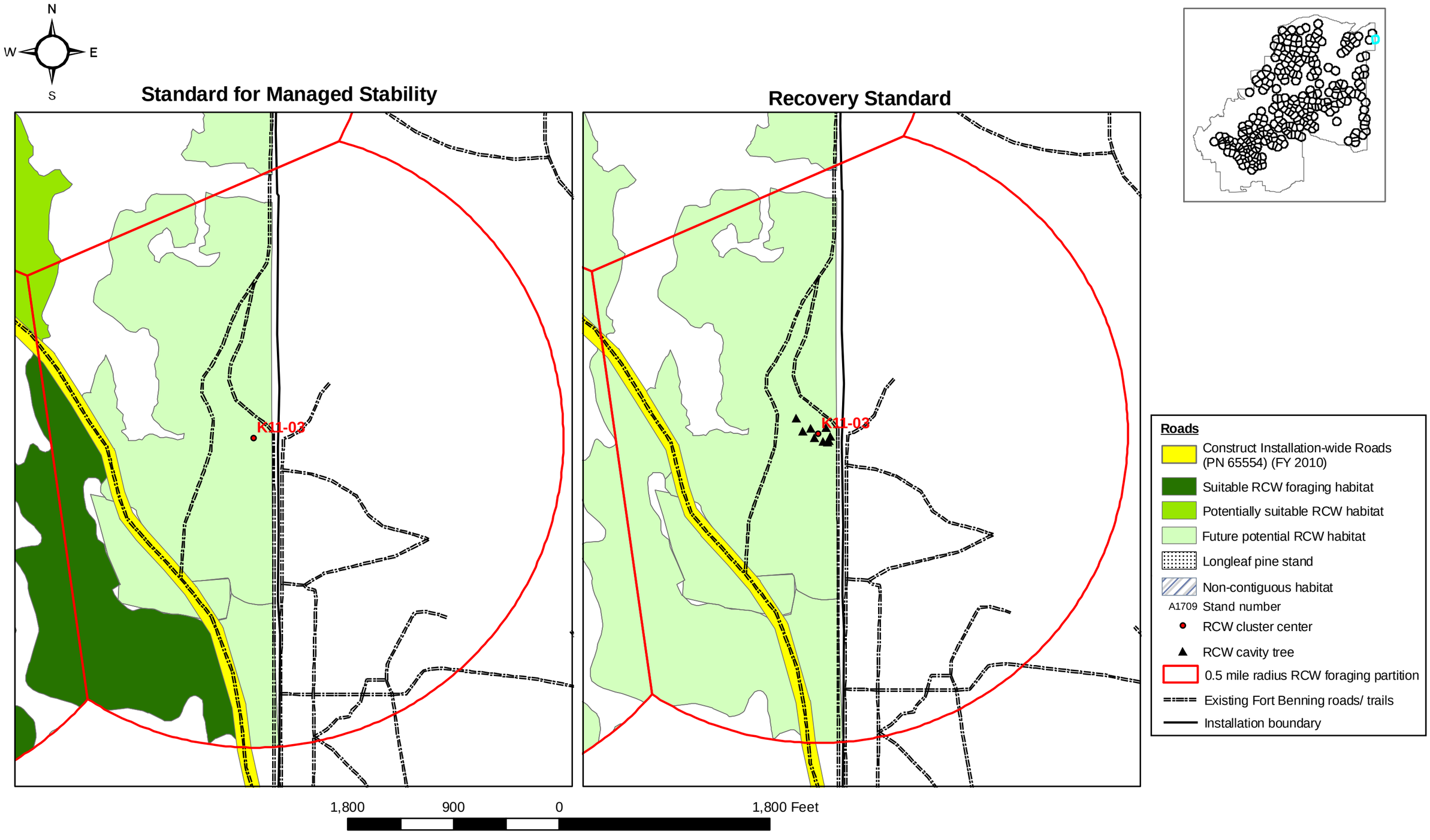

Figure G-49. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K11-03** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

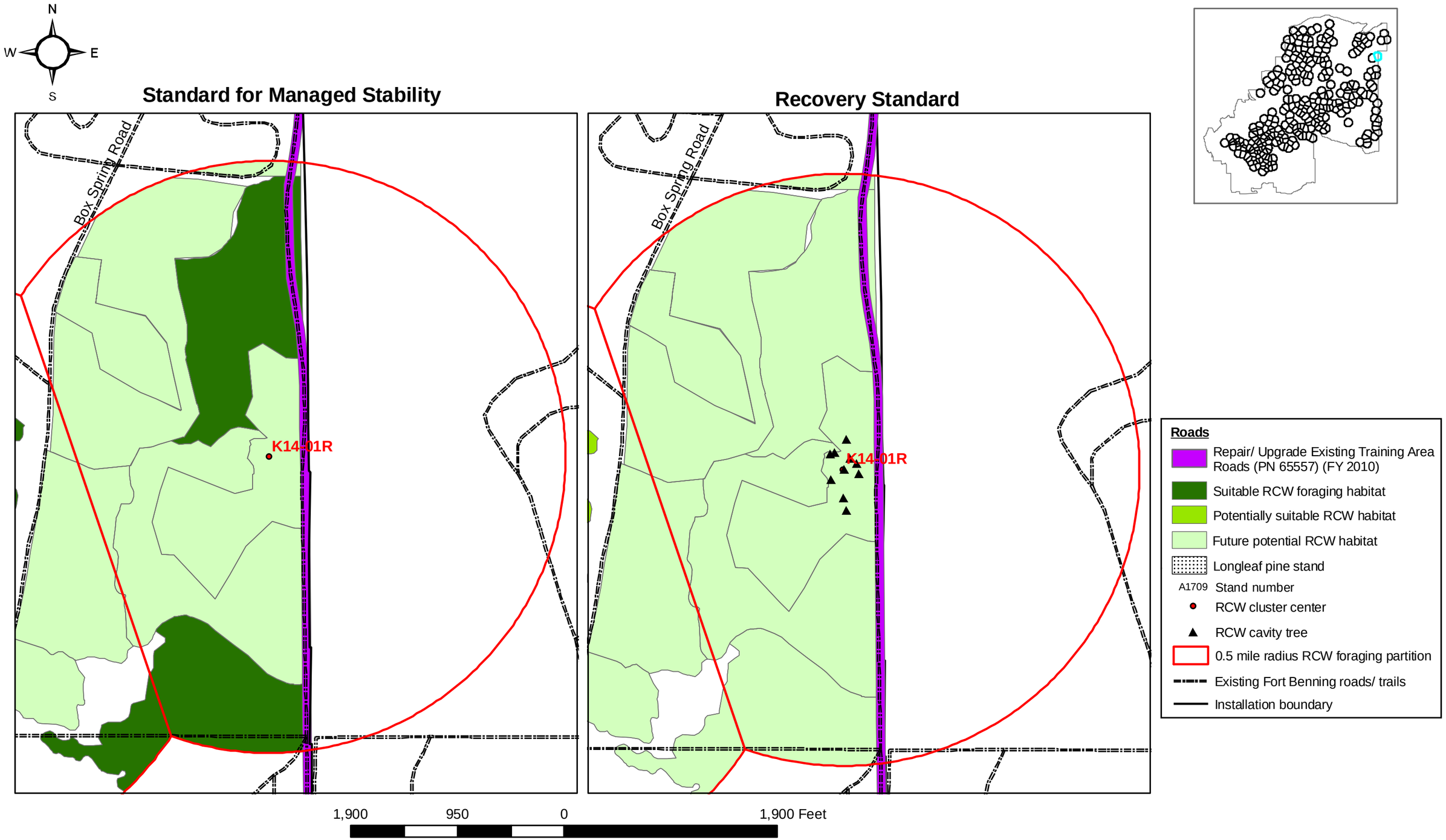

Figure G-50. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K14-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

Figure G-51. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K17-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

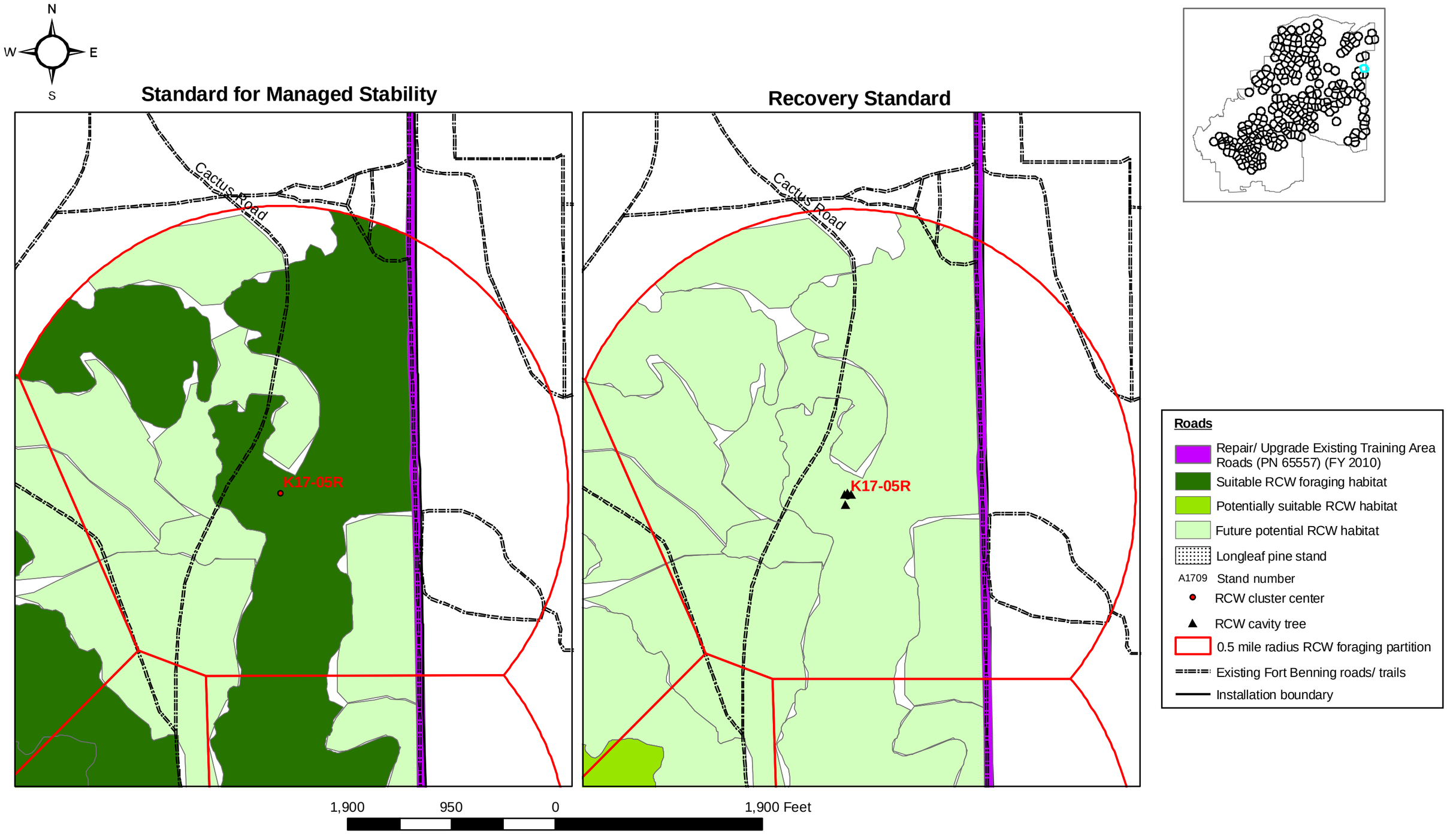

Figure G-52. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K17-05R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

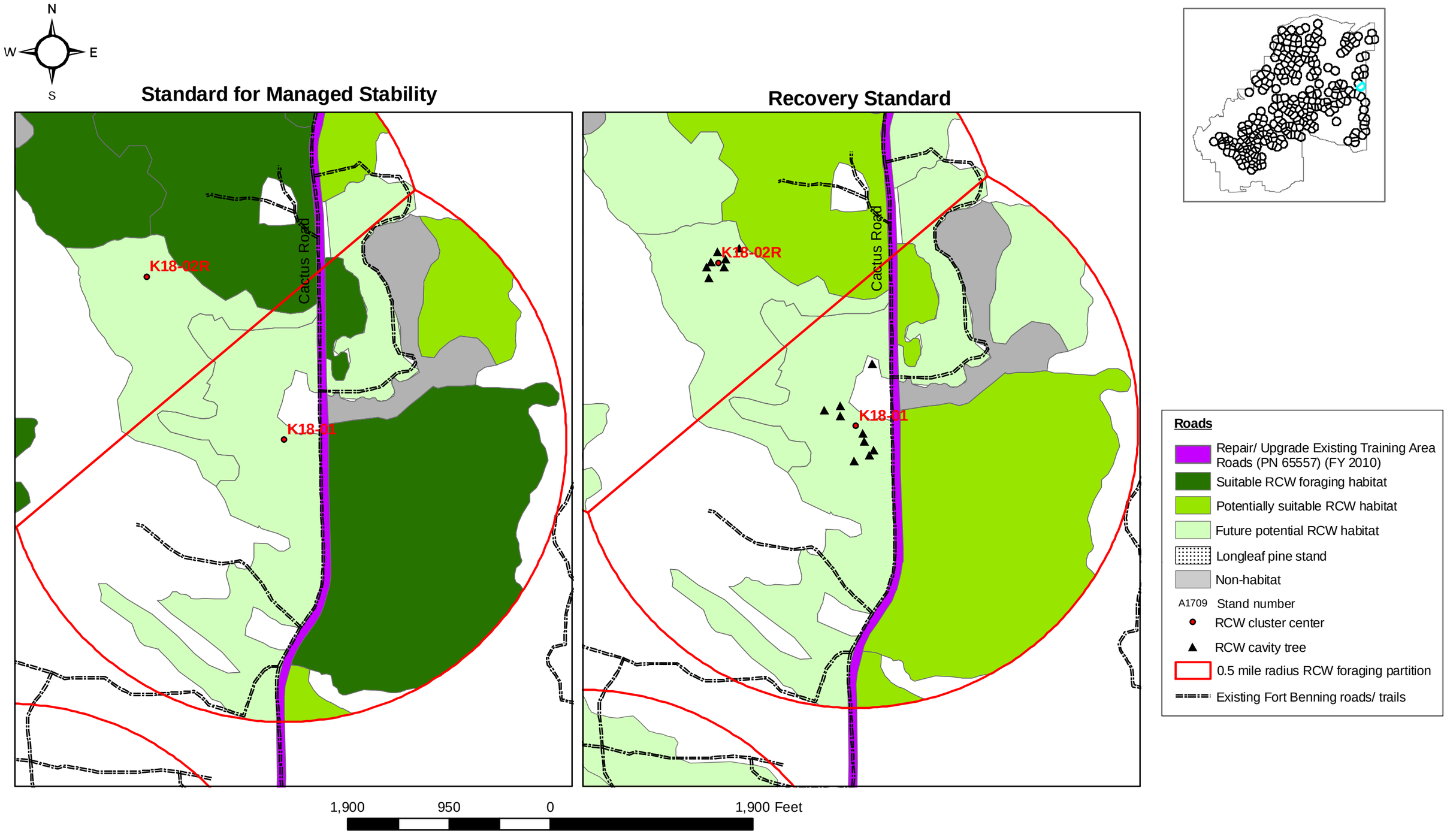

Figure G-53. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K18-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

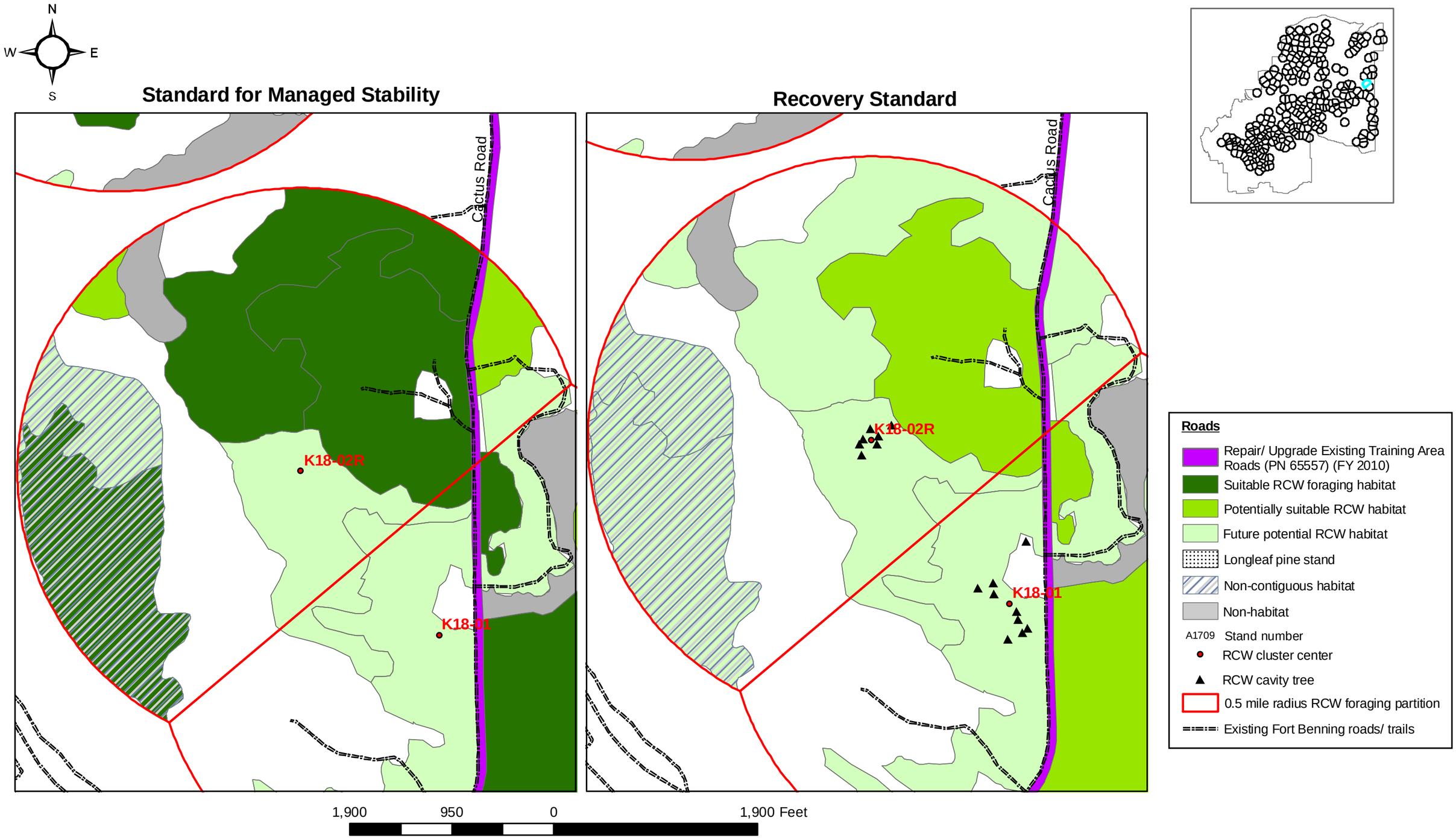

Figure G-54. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K18-02R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

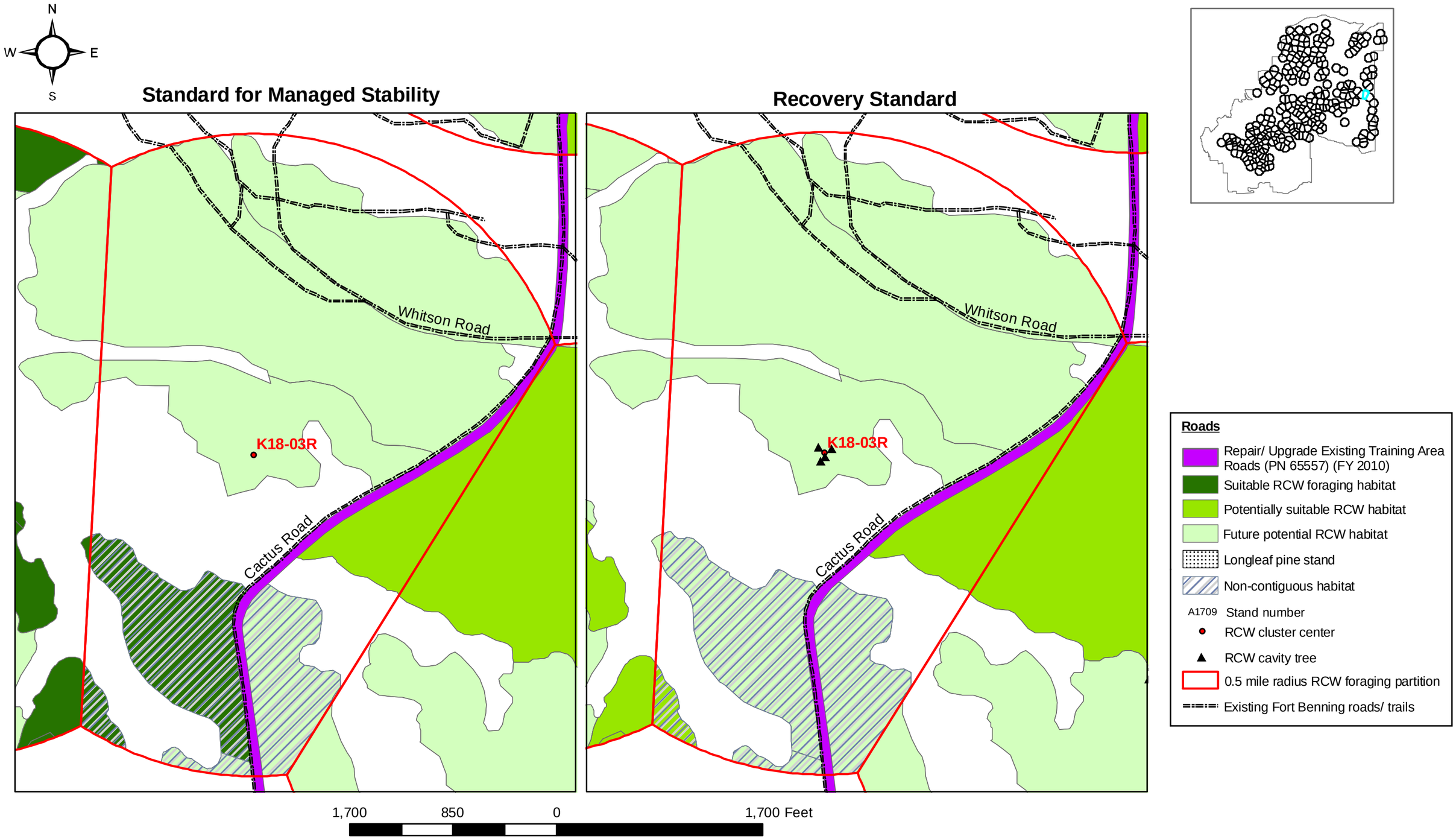

Figure G-55. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K18-03R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

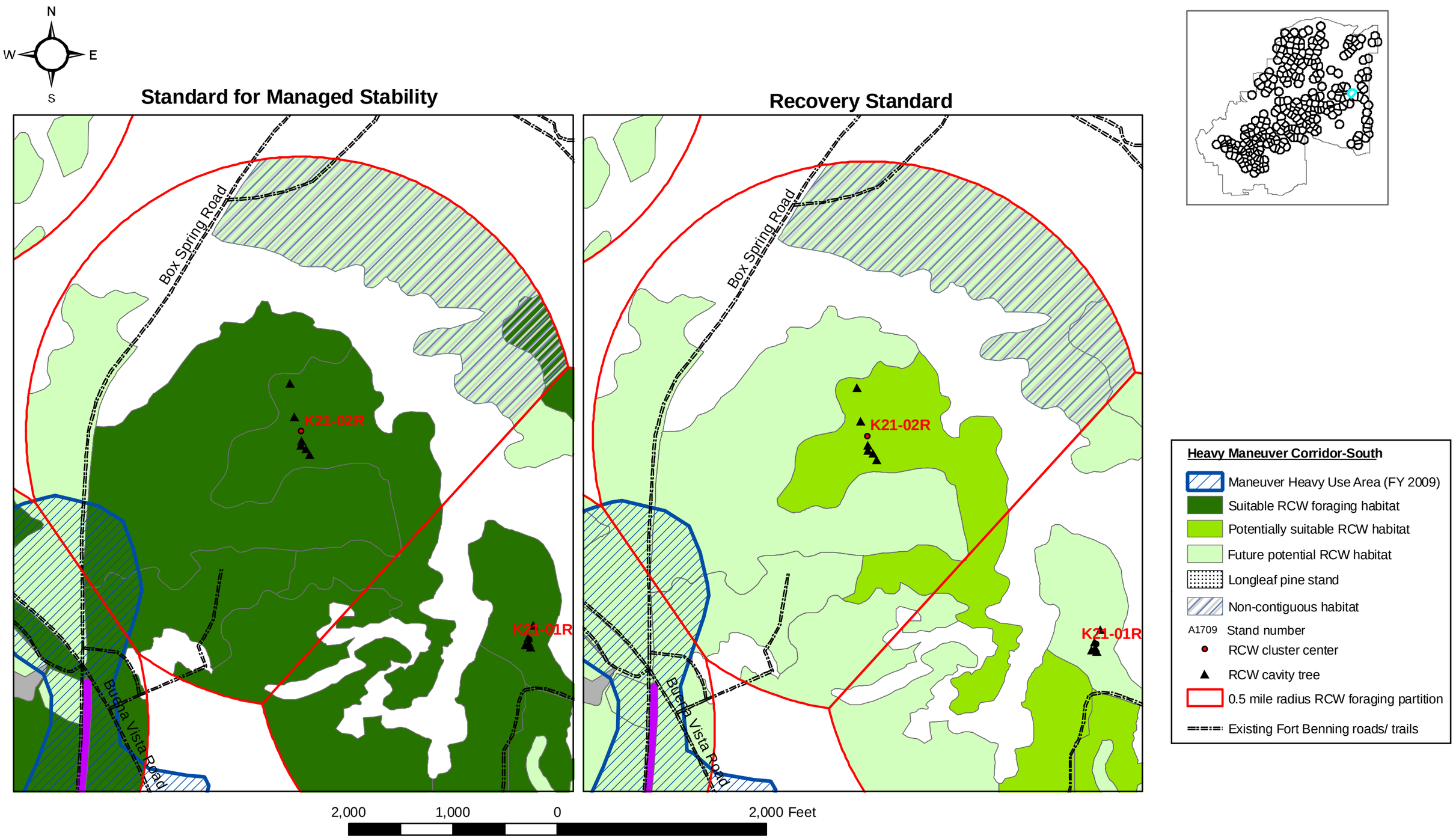

Figure G-56. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **K21-02R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

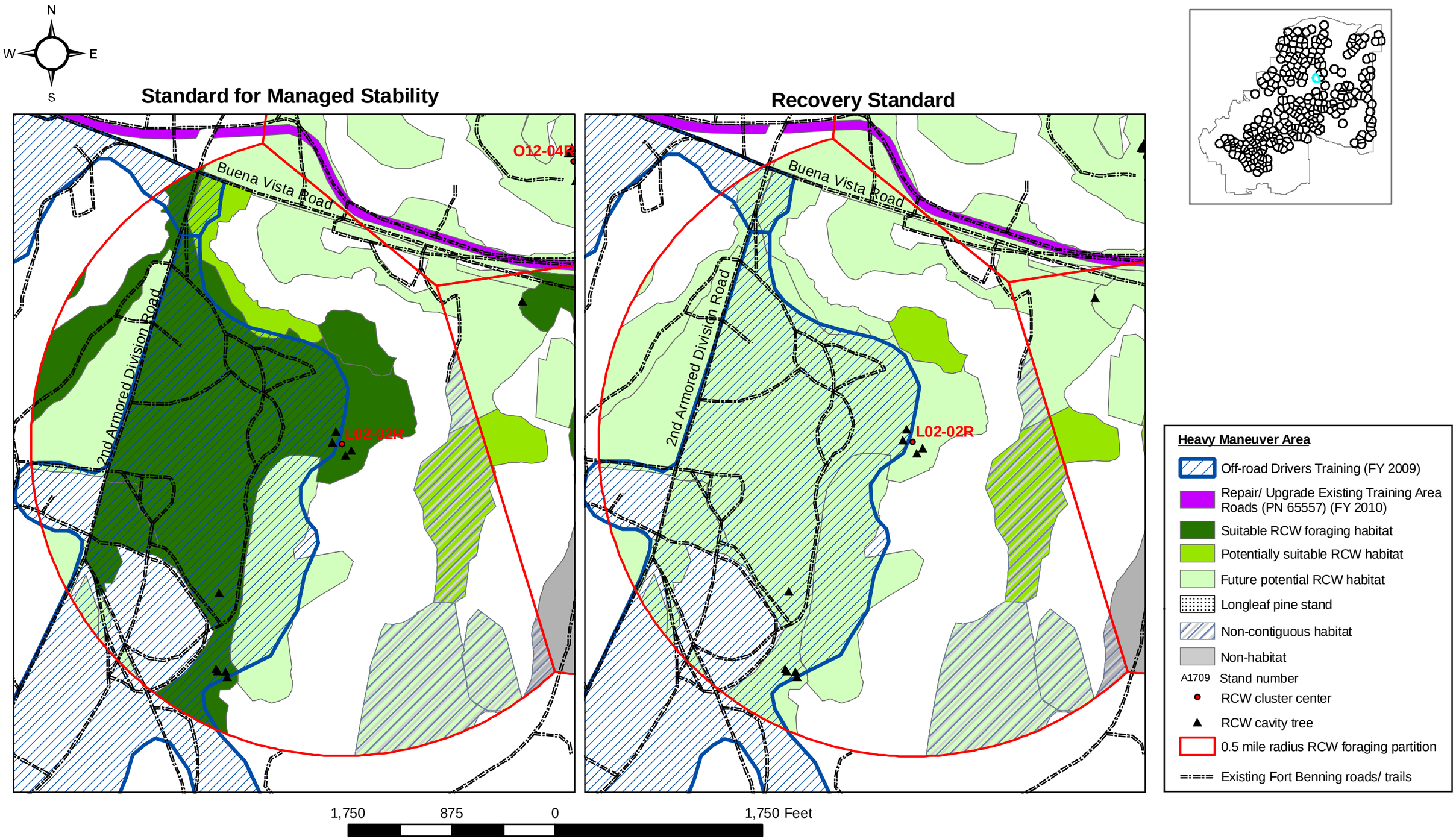

Figure G-57. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **L02-02R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

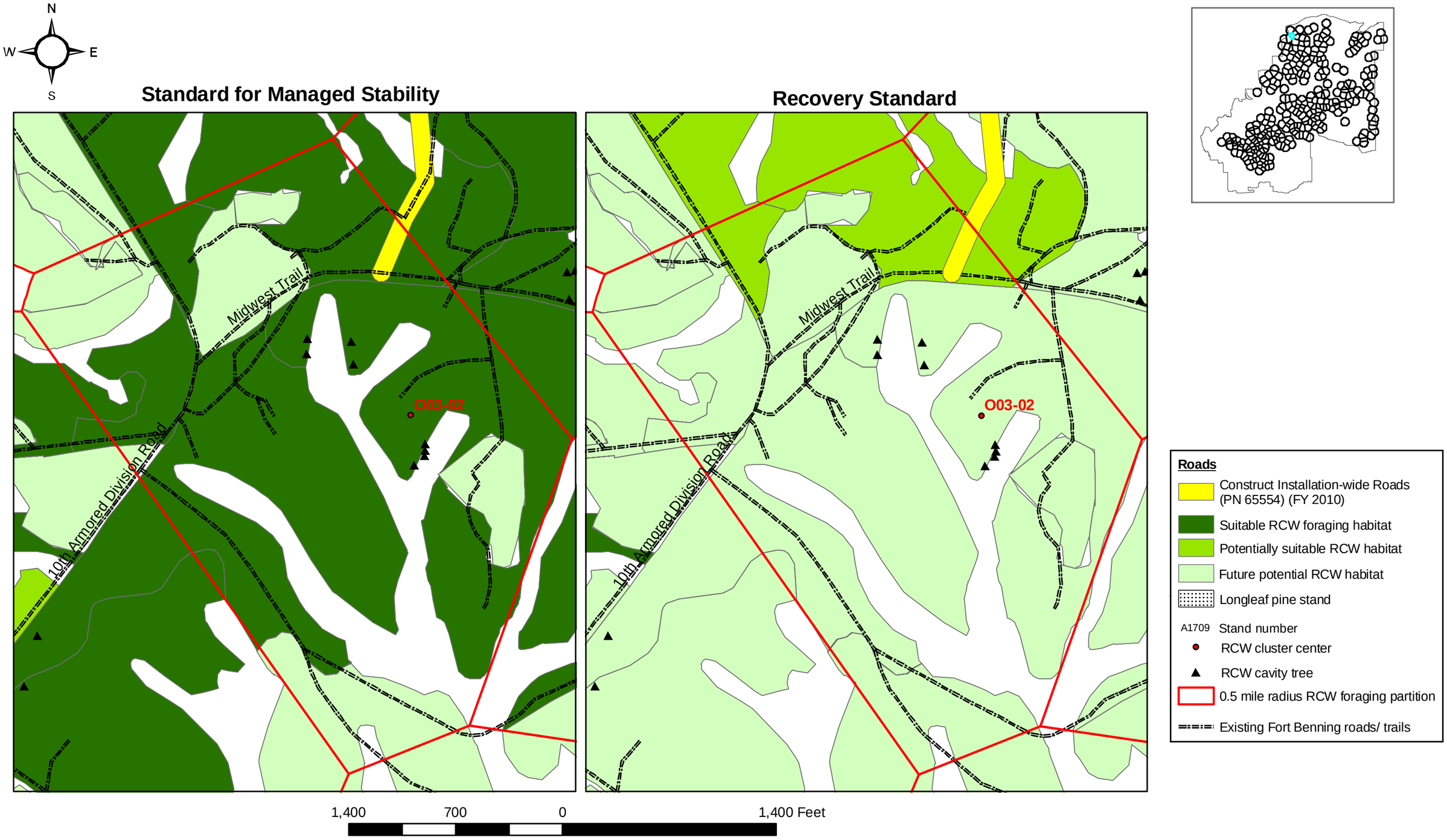

Figure G-58. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O03-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

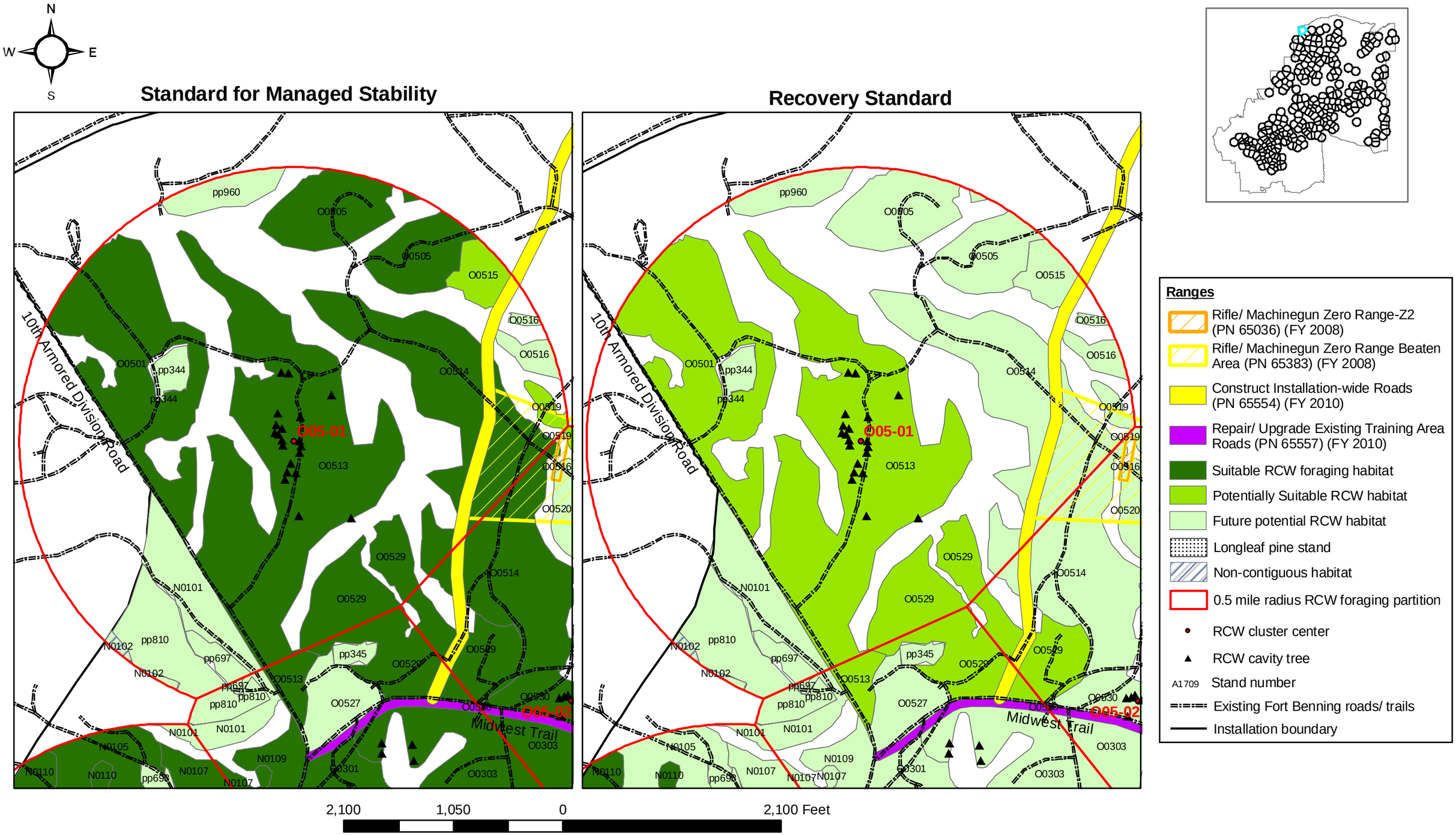

Figure G-59. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O05-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

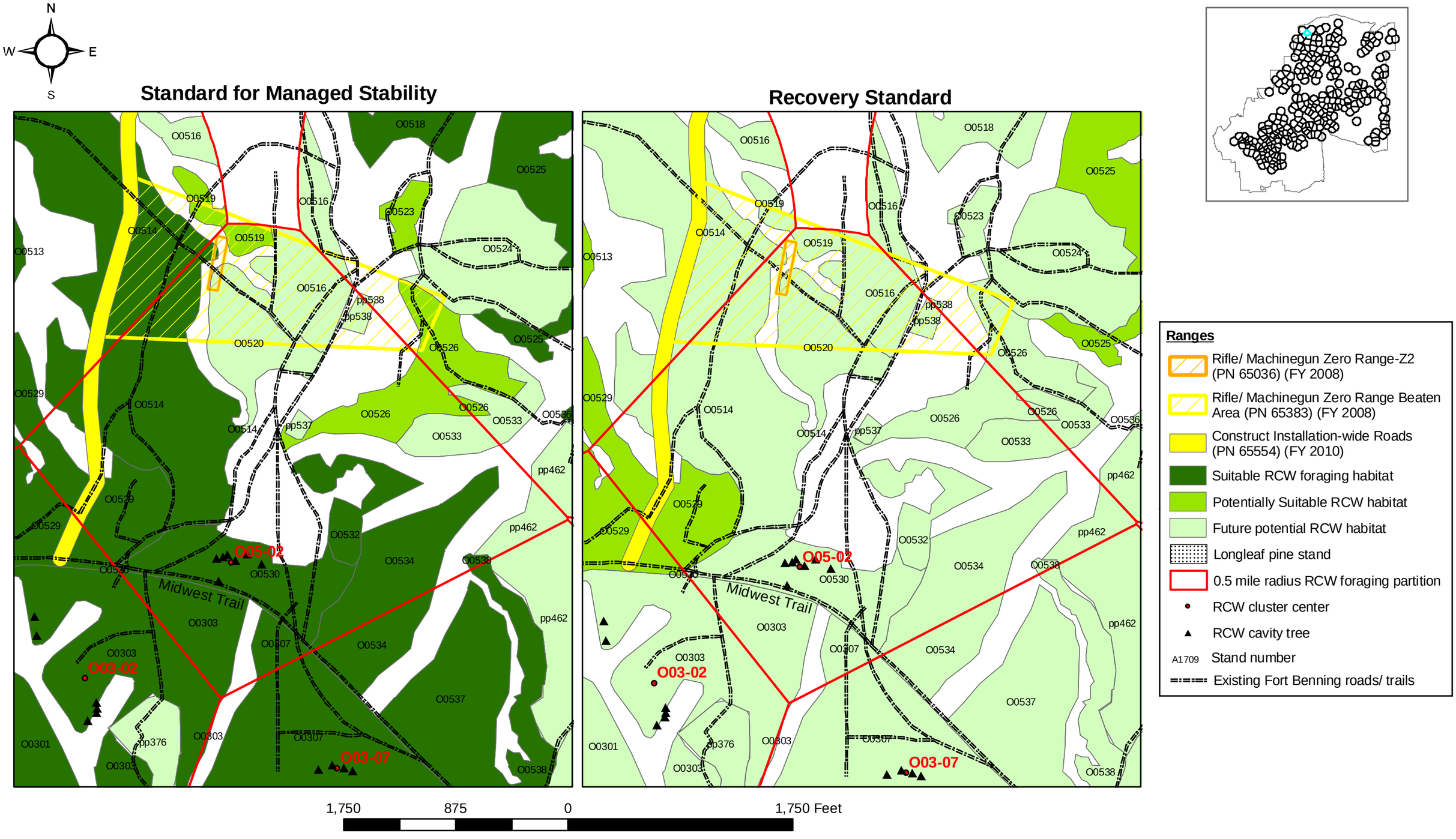

Figure G-60. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O05-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

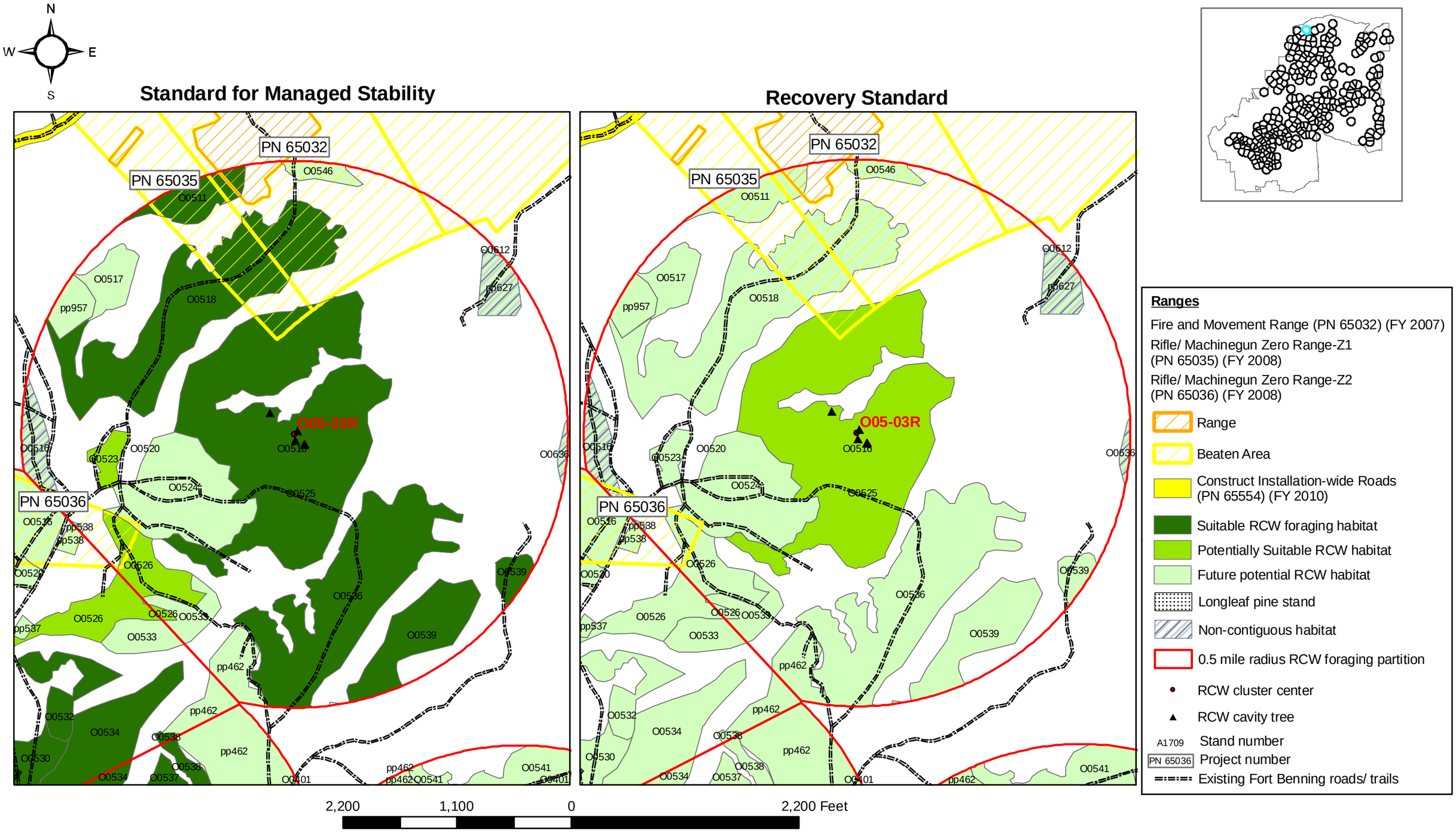

Figure G-61. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O05-03R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

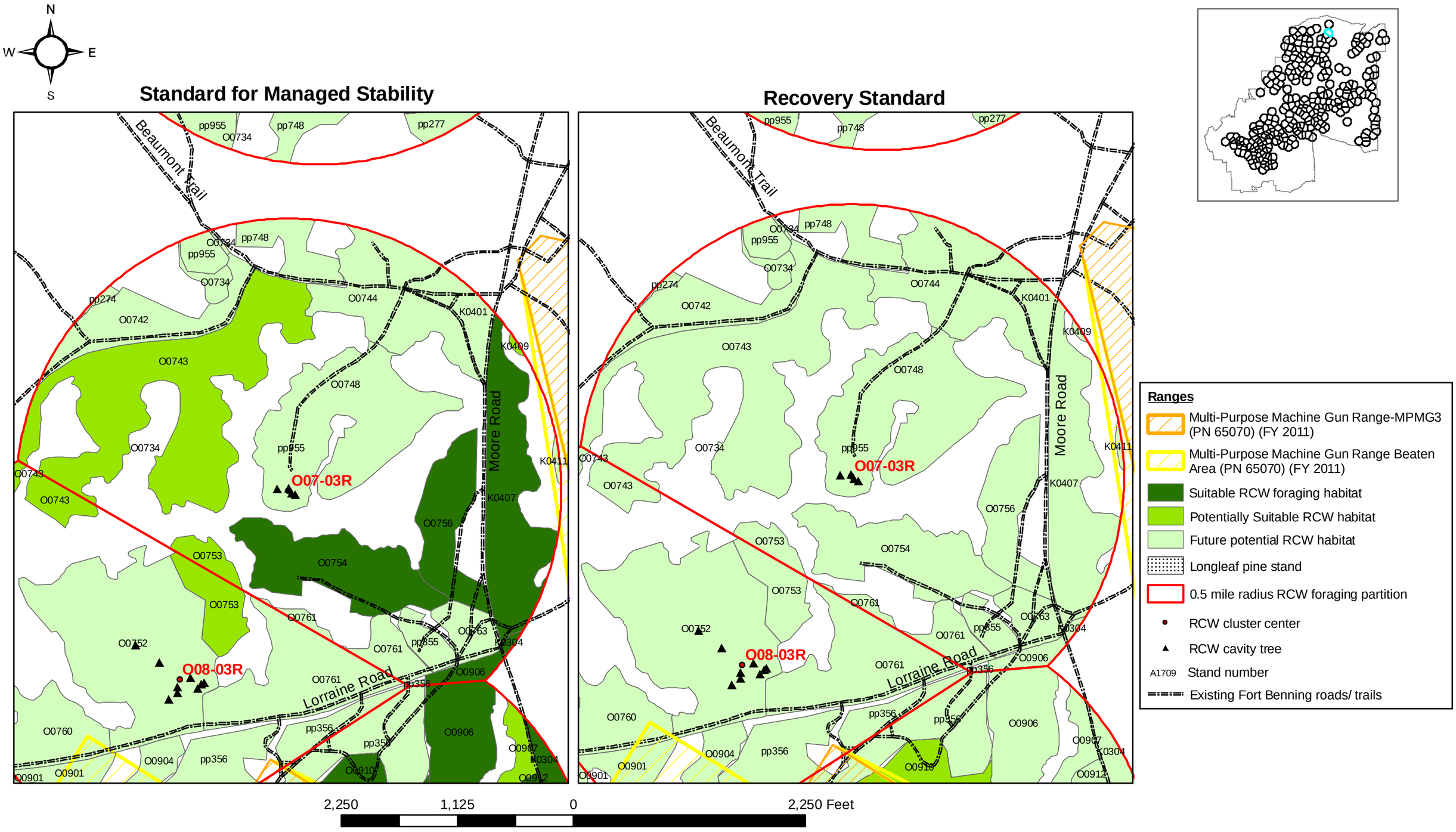

Figure G-62. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O07-03R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

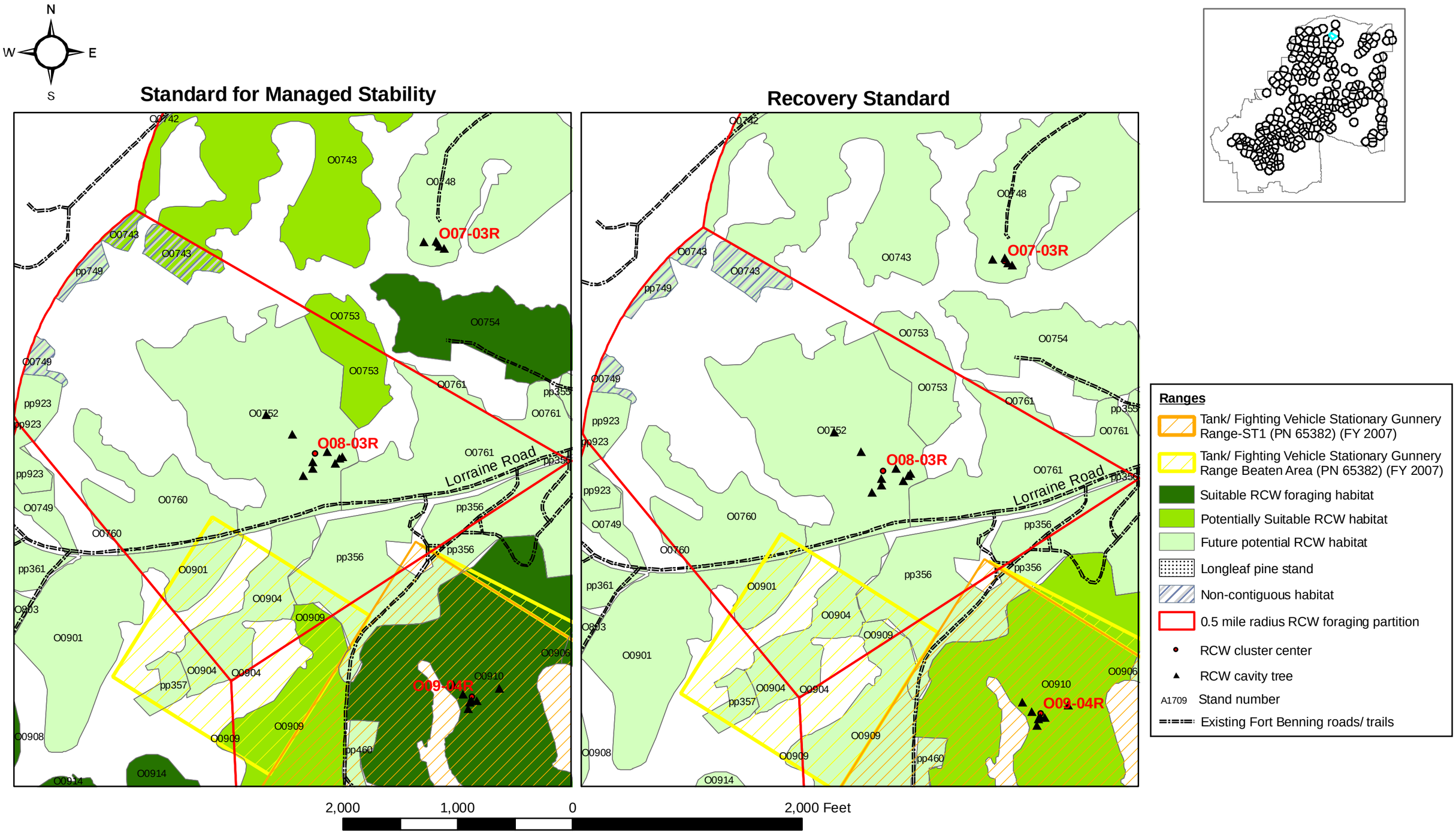

Figure G-63. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O08-03R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning Georgia.

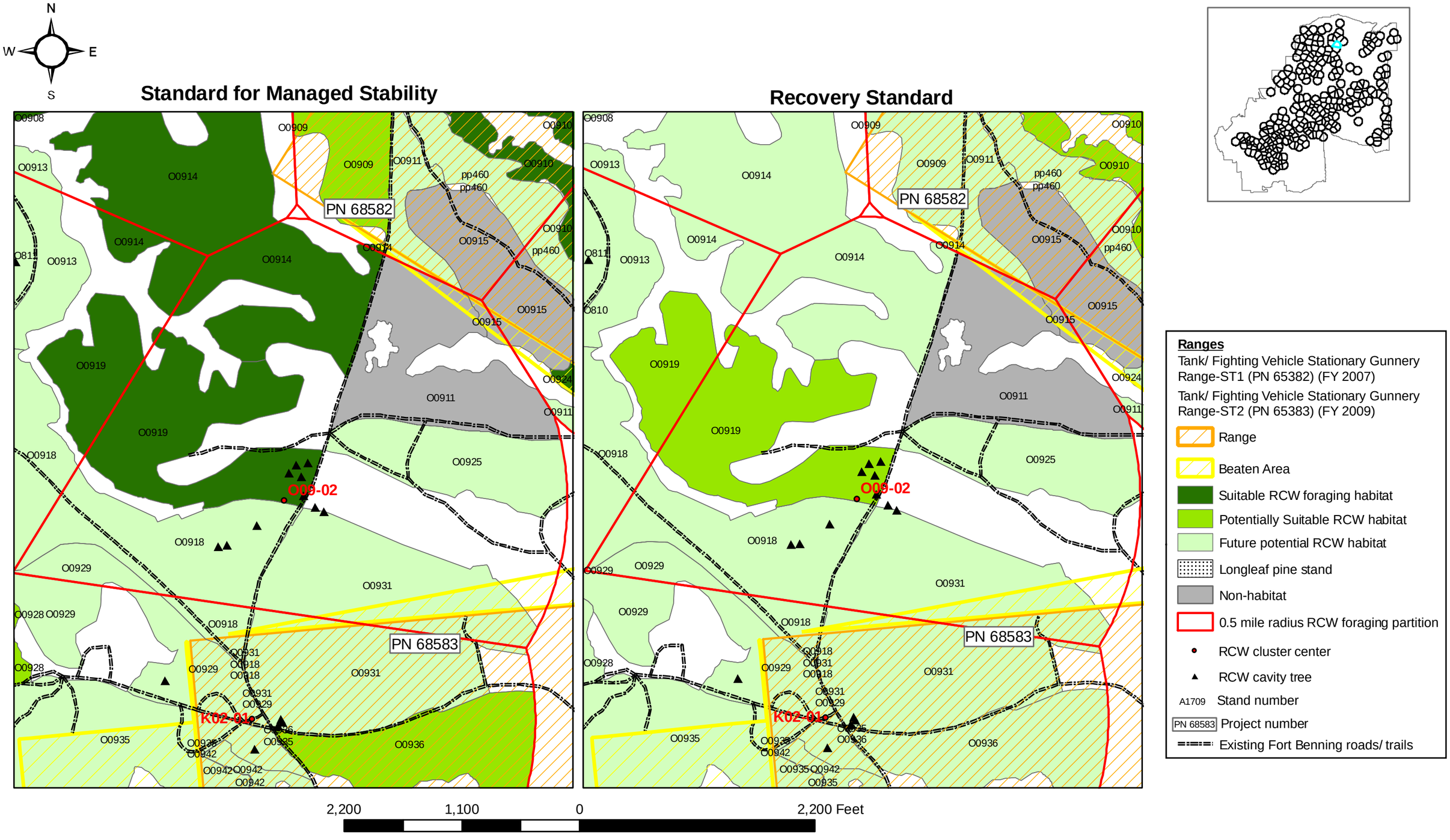

Figure G-64. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O09-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

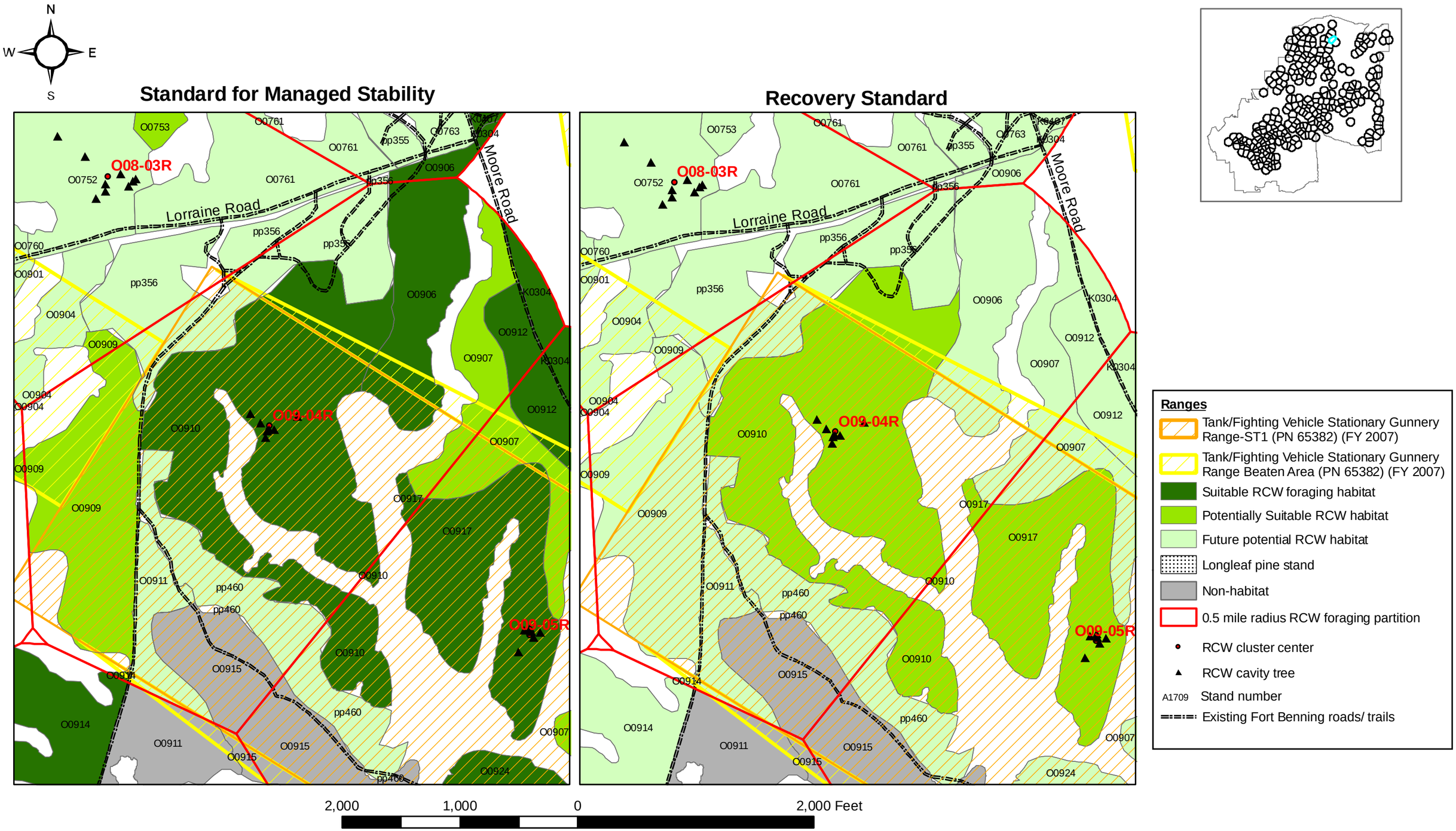

Figure G-65. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O09-04R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

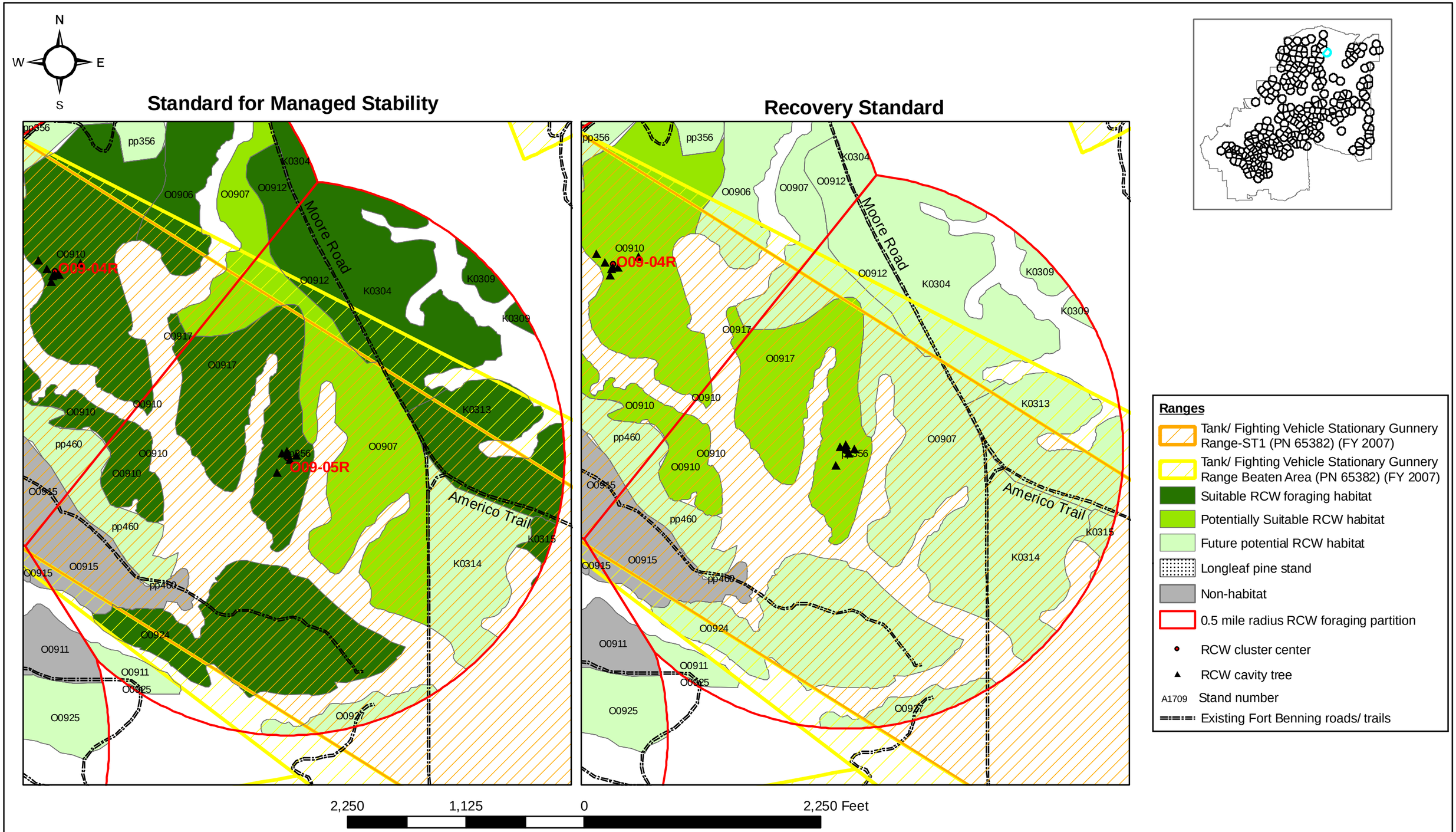

Figure G-66. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O09-05R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

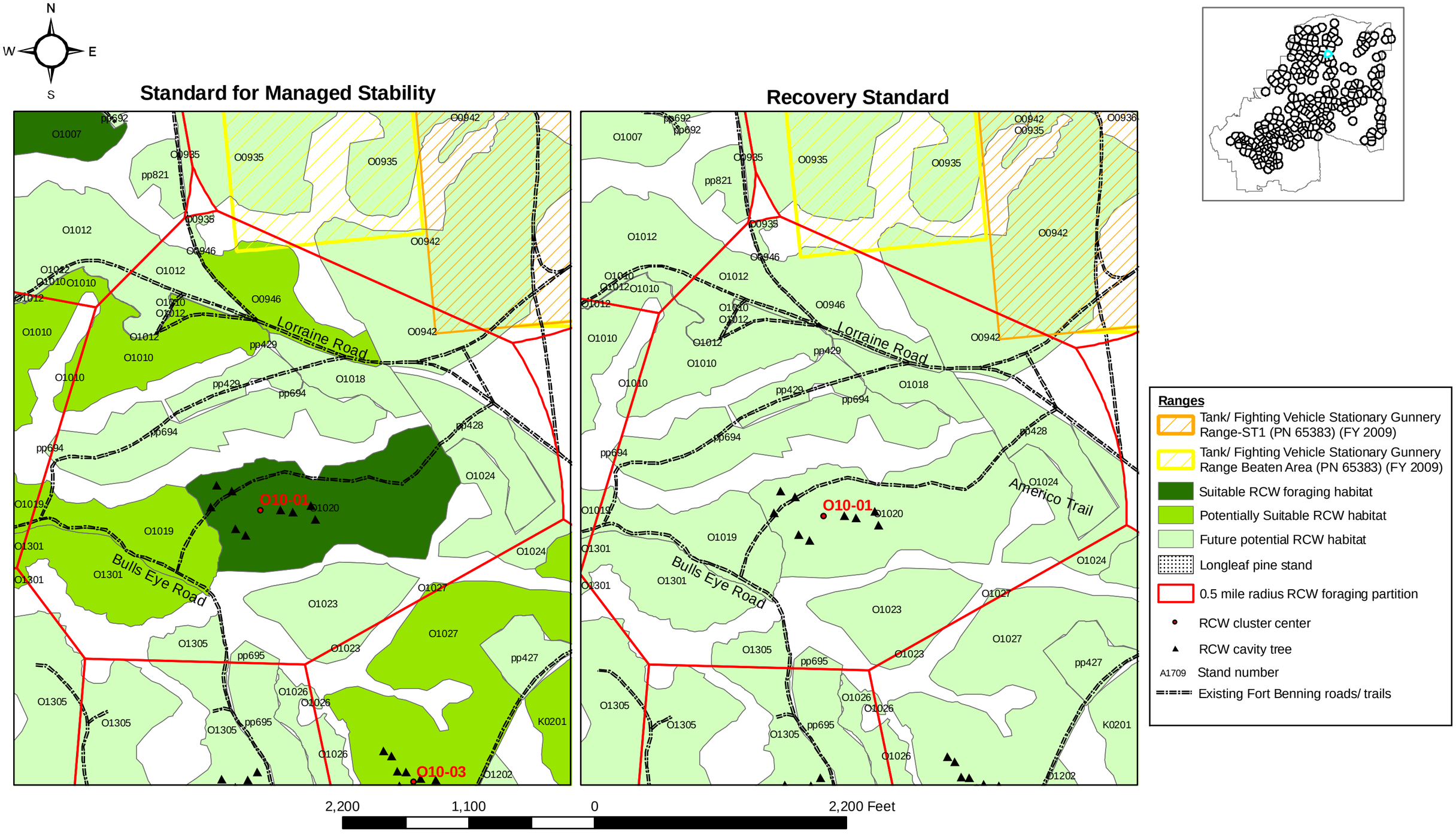

Figure G-67. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **O10-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

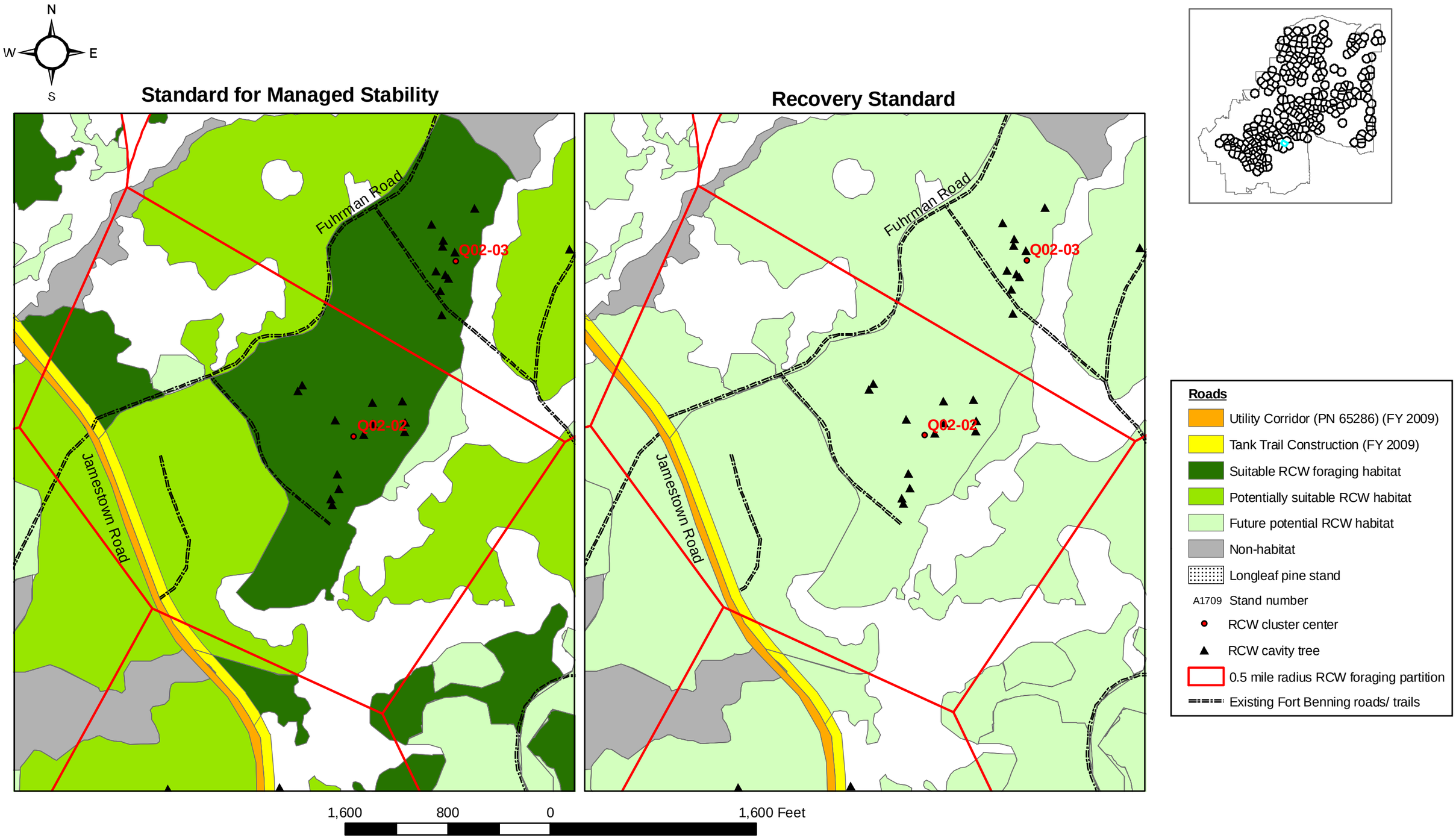

Figure G-68. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **Q02-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

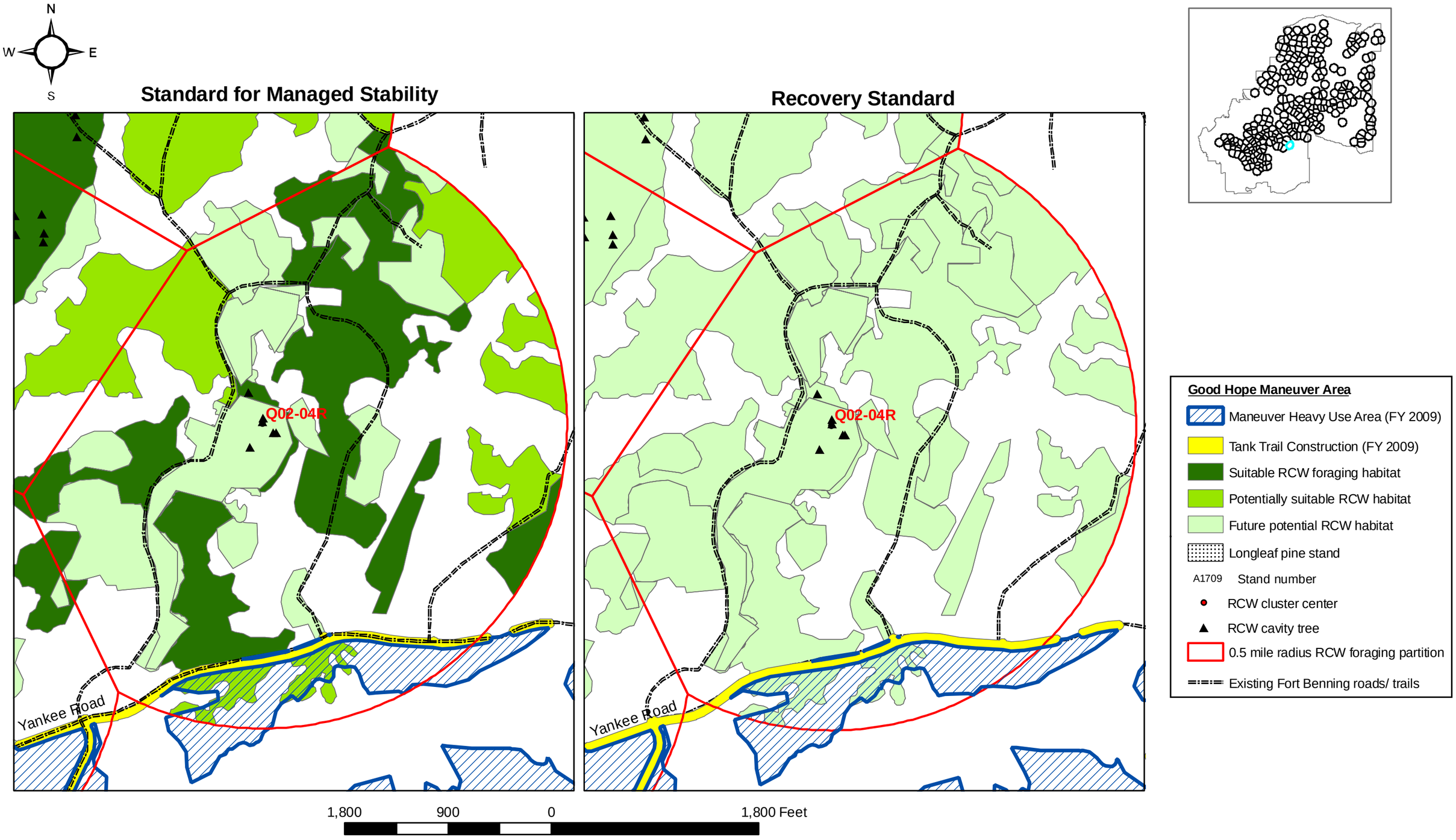

Figure G-69. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **Q02-04R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

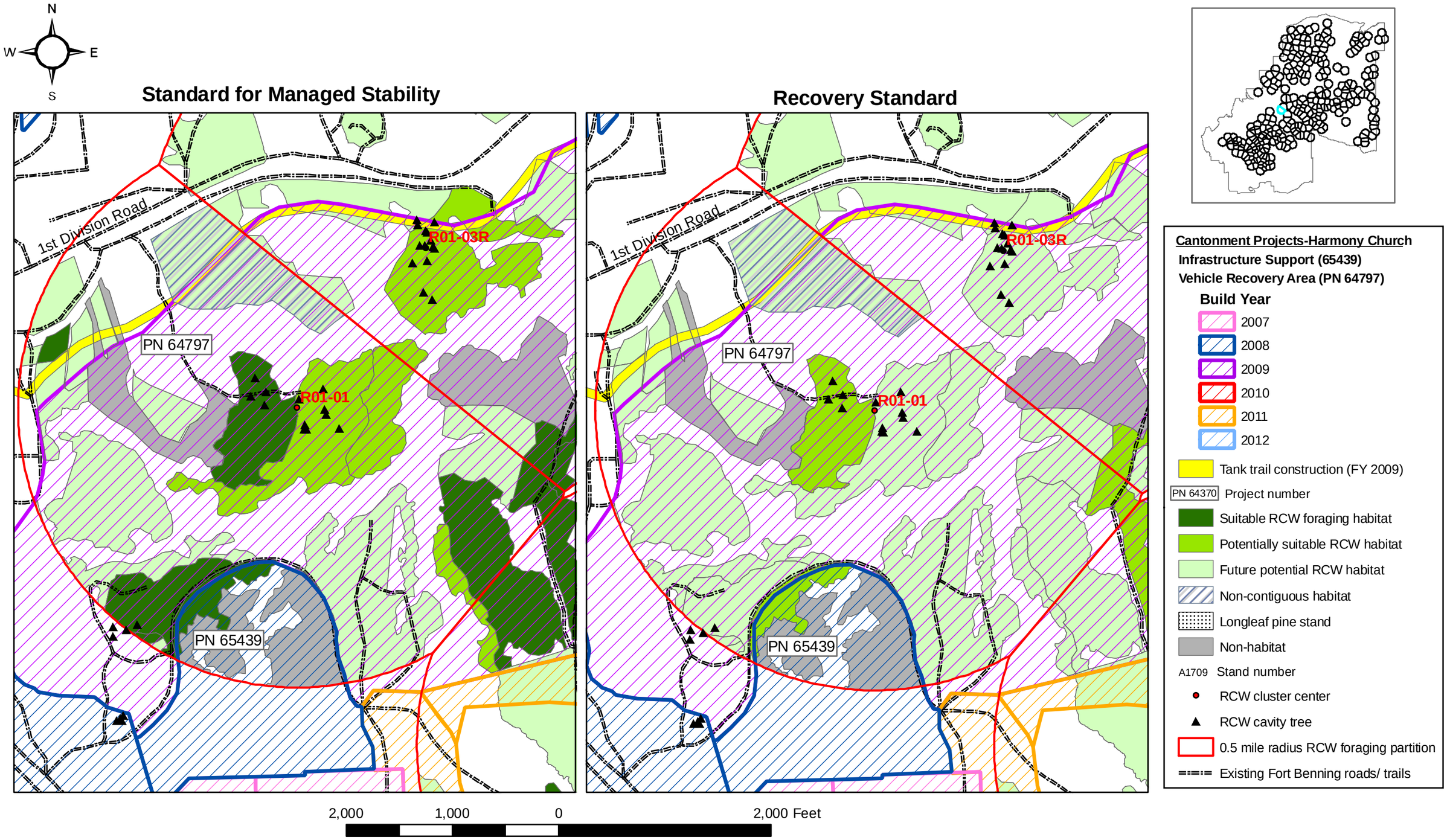

Figure G-70. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **R01-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

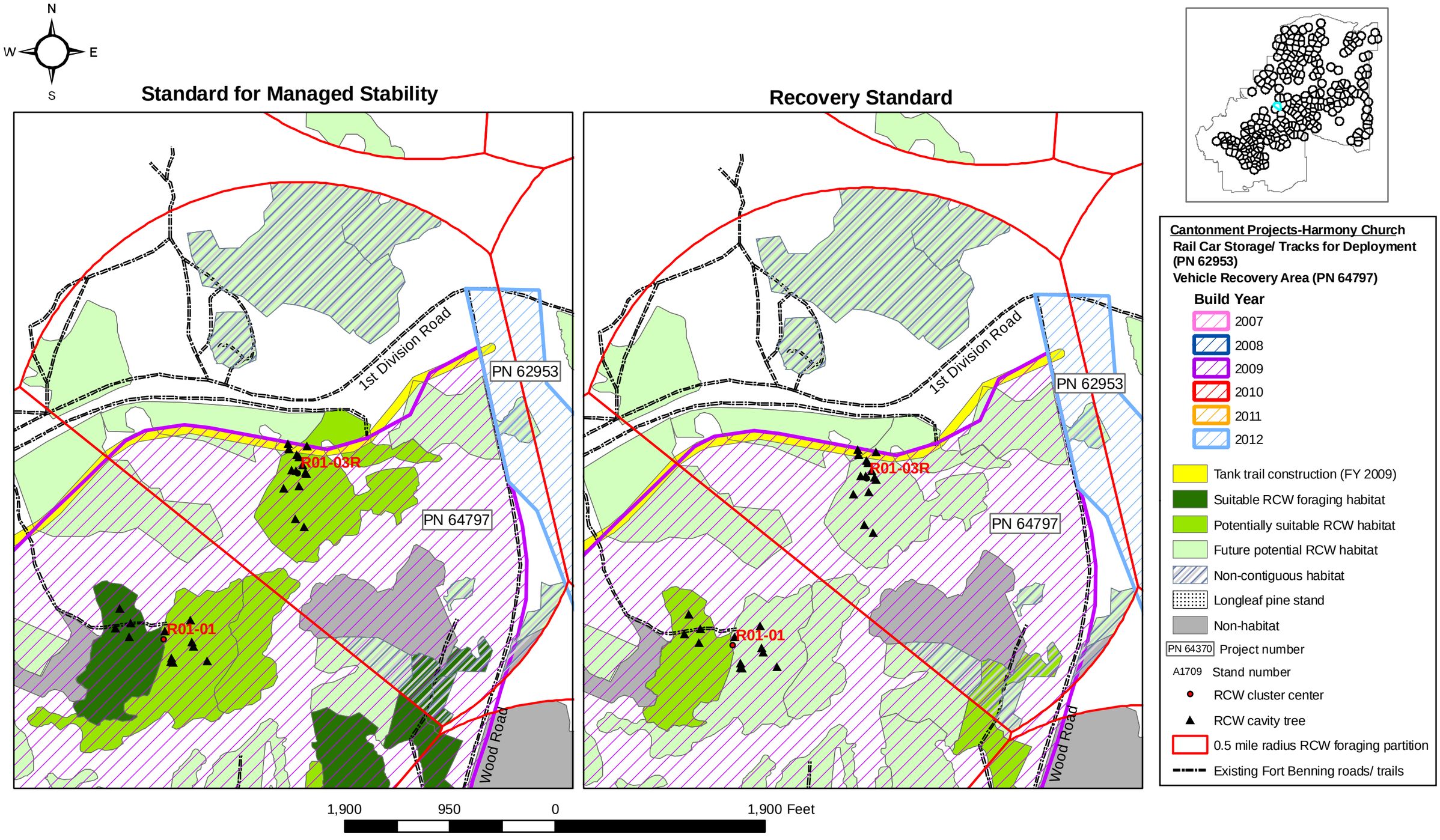

Figure G-71. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **R01-03R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

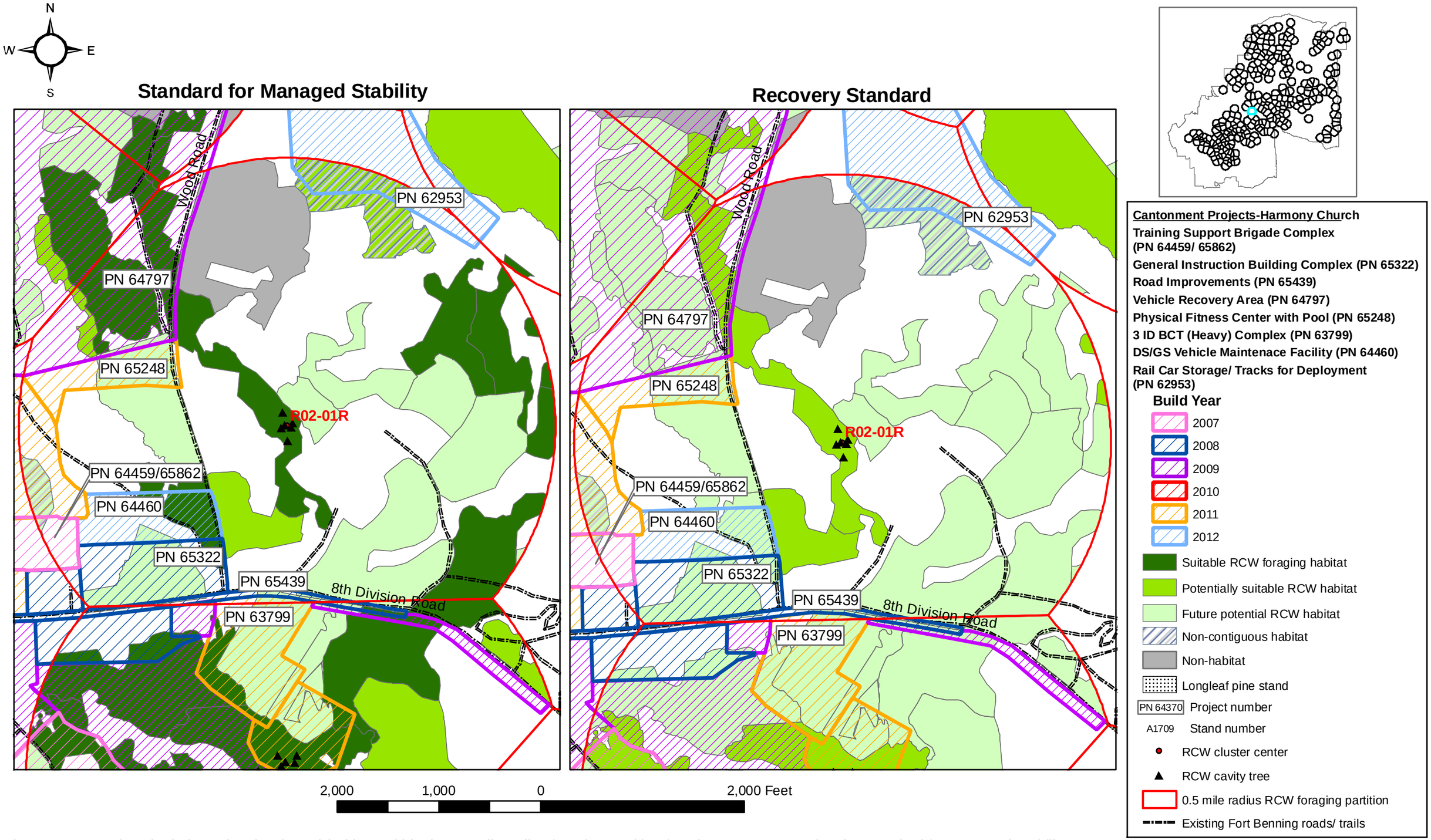

Figure G-72. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **R02-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

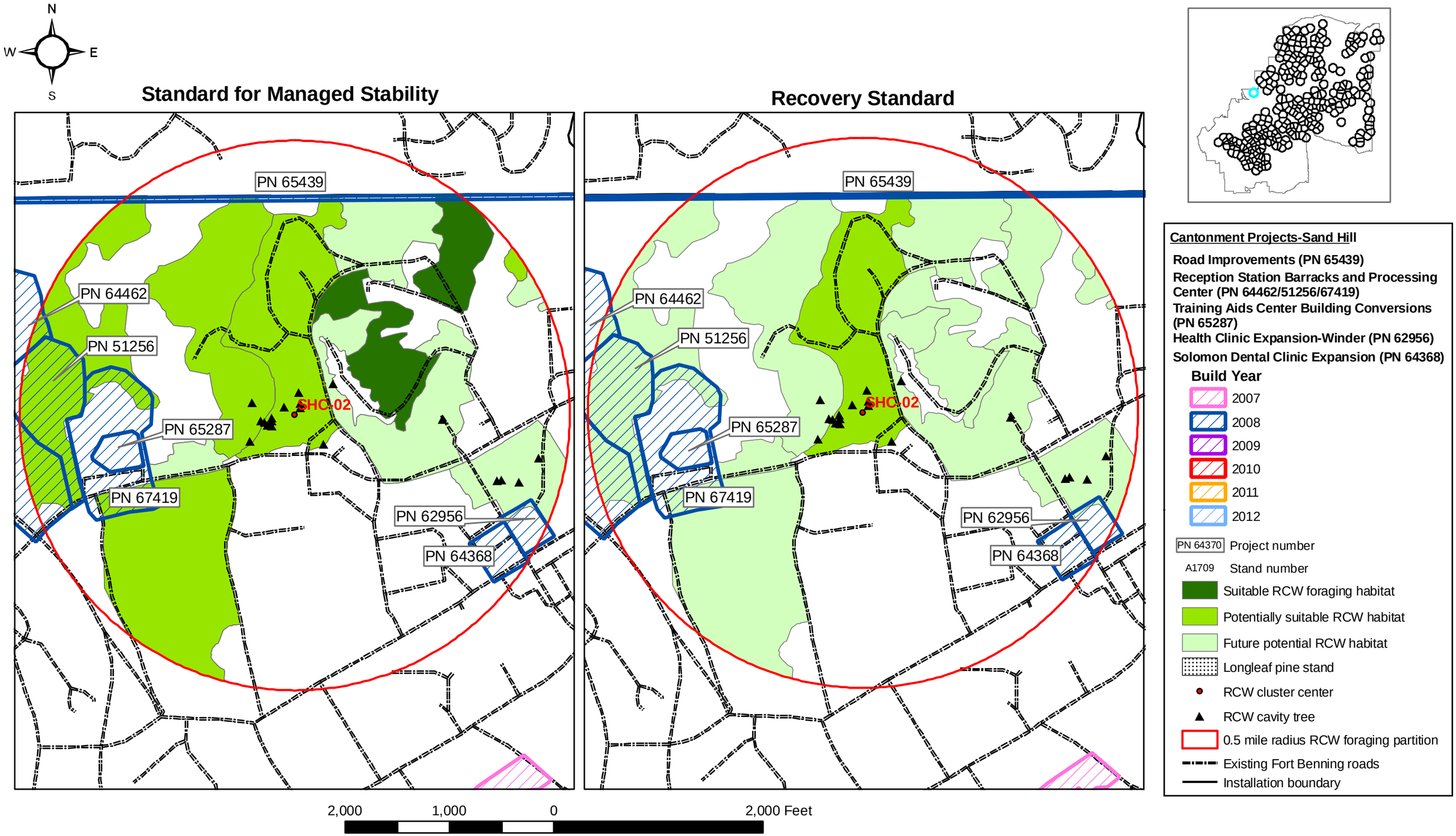

Figure G-73. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **SHC-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

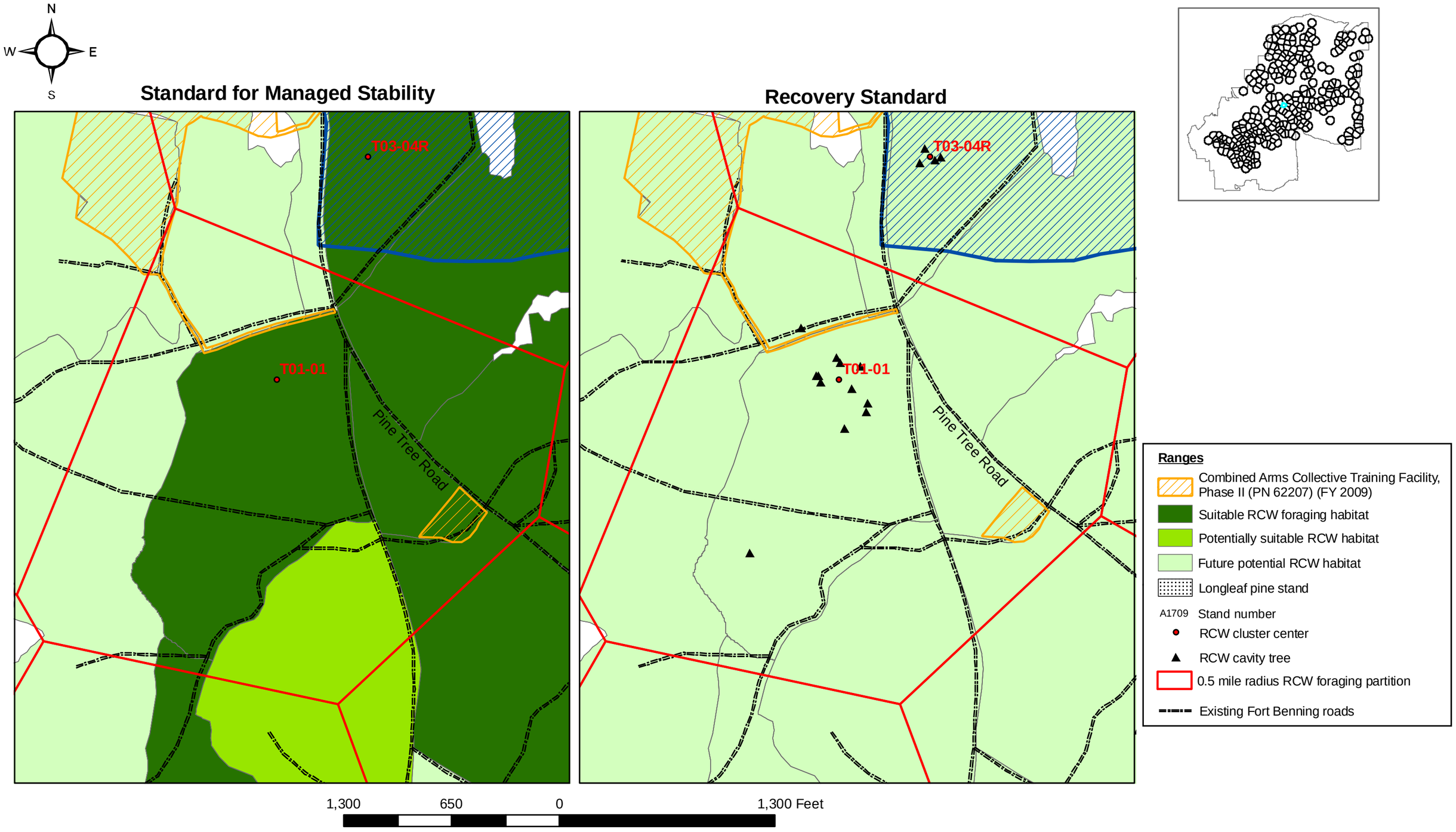

Figure G-74. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **T01-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

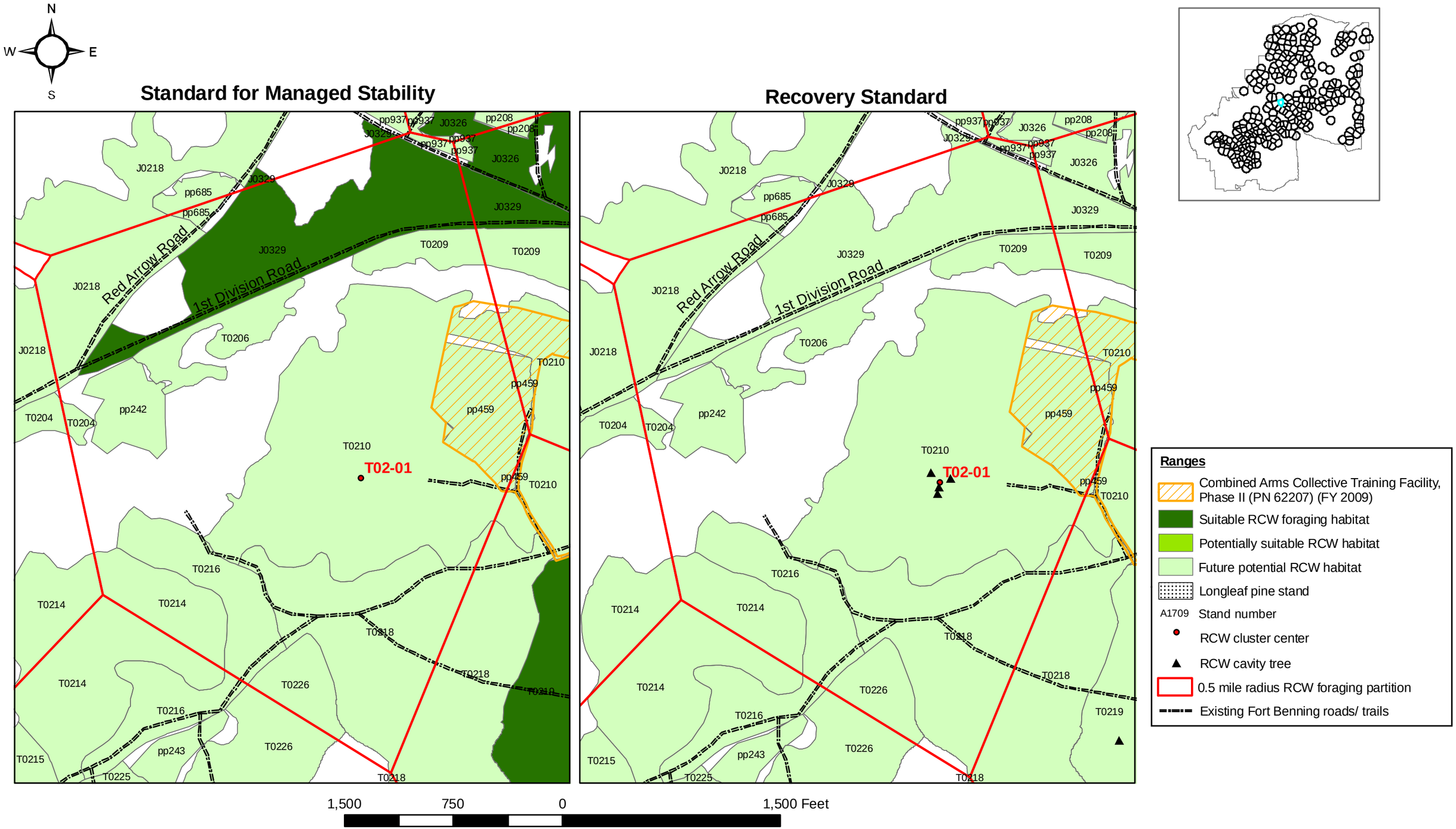

Figure G-75. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **T02-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

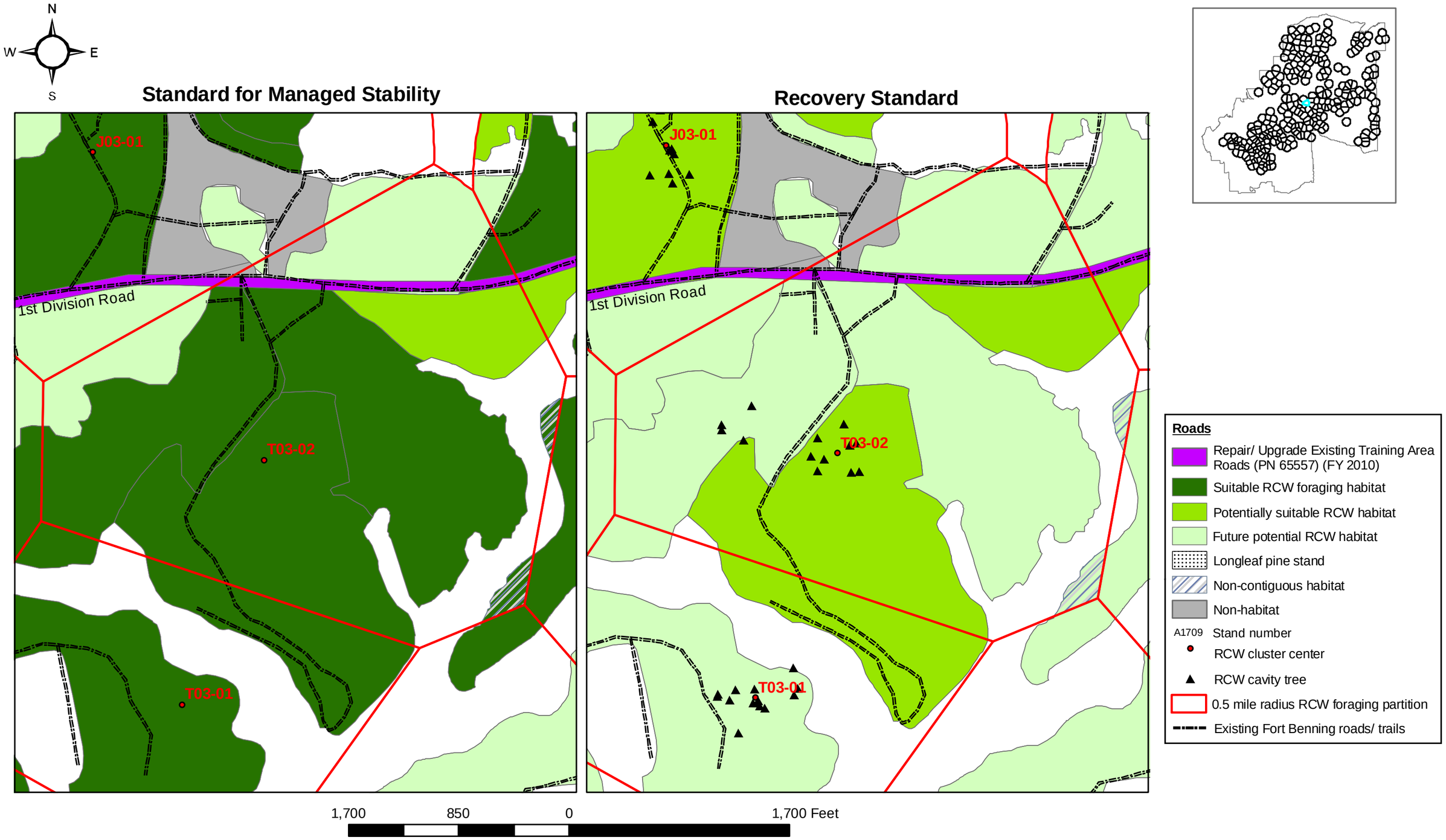

Figure G-76. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **T03-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

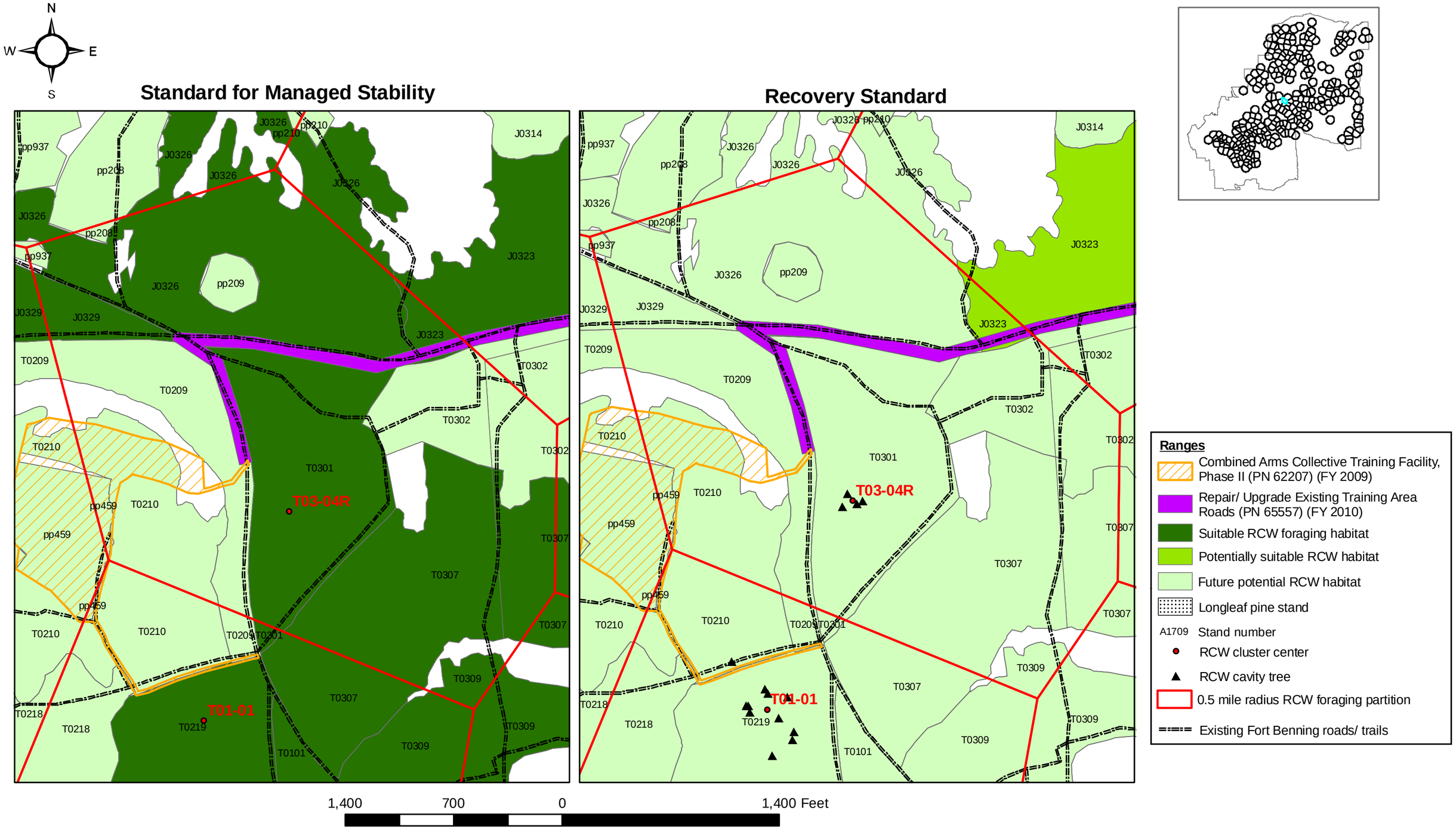

Figure G-77. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **T03-04R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

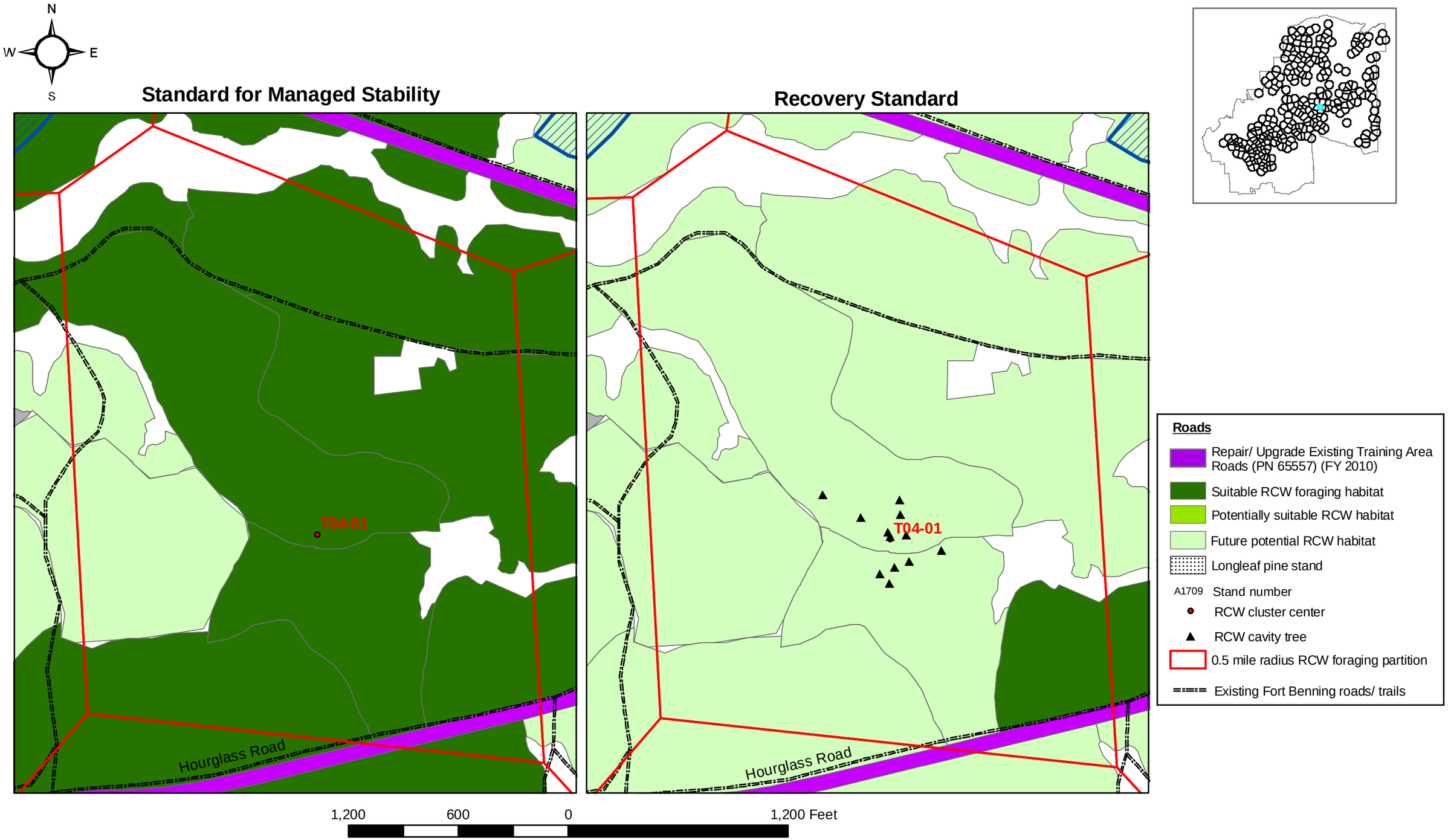

Figure G-78. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **T04-01** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

Figure G-79. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **T05-02** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

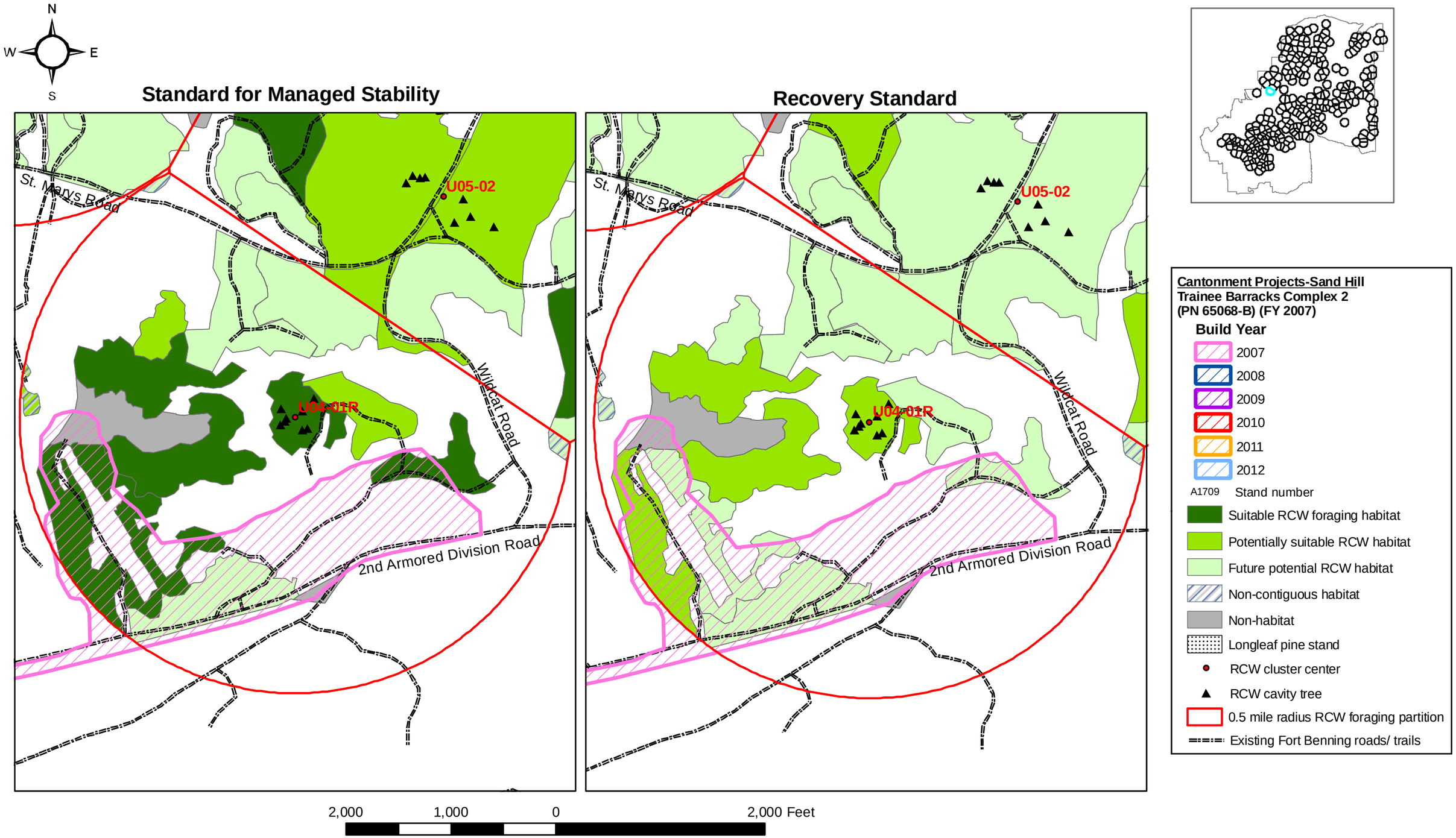

Figure G-80. Red-cockaded woodpecker (RCW) habitats within the 0.5 mile radius foraging partition for Cluster **U04-01R** using the Standard for Managed Stability and the Recovery Standard (USFWS 2003), Alternative B Transformation projects, Fort Benning, Georgia.

APPENDIX H

DRAFT FORT BENNING LAND MANAGEMENT PLAN

FORT BENNING LAND MANAGEMENT PLAN

Avoidance and minimization of impacts to RCW must be accomplished by a combination of institutional and engineering controls and the programming of adequate resources necessary to proactively manage the impacts of the MCOE. Fort Benning is developing a management system and plan along w/ the appropriate organizational structure that will proactively manage the impacts of Maneuver Center of Excellence (MCOE) training activities. This program is the Sustainable Range Program (SRP) which is implemented by the Army in accordance with Army Regulation 350-19.

The Sustainable Range Program includes two core programs, under the direction of the Range Division at Fort Benning. Those core programs are 1) the Range and Training Land Program (RTLP) and 2) the Integrated Training Area Management Program (ITAM).

1) Range and Training Land Program

Fort Benning's Range and Training Land Program (RTLP) provides for the central management, programming, and policy for modernization of Benning's ranges and their day-to-day operations. Objectives include:

> Integrate mission support, environmental stewardship, and economic feasibility and define procedures for determining range projects and training land requirements to support the MCOE's live-fire and maneuver training.
> Define the quality assurance and inspection milestones for range development projects and the standard operating procedures to safely operate military training ranges and support Commanders Mission Essential Task List and Army training strategies.
> Establish the procedures and means by which the Benning range infrastructure is managed and maintained on a daily basis in support of the training mission.

2) Integrated Training Area Management Program

The Integrated Training Area Management (ITAM) Program provides Benning's Range Officers with the capability to manage and maintain training land by integrating mission requirements with environmental requirements and sound land management practices. This requires understanding and balancing of Army training requirements and land management practices. The effective integration of stewardship principles into training land and conservation management practices ensures that Army lands remain viable to support future training and testing mission requirements.

Objectives include:

> Achieve optimal sustained use of lands for the execution of realistic training and testing by providing a sustainable core capability that balances usage, condition, and level of maintenance.

Implement a management and decision-making process that integrates MCOE training and other mission requirements for land use with sound natural resources management.
Advocate proactive conservation and land management practices by aligning Army training land management priorities with the Army training and readiness priorities.

The ITAM Program relies on its four components and integrated management from HQDA, MACOM, IMCOM down to the installation level to accomplish its mission. The four components are Training Requirements Integration (TRI); Range and Training Land Assessment (RTLA); Land Rehabilitation and Maintenance (LRAM); and Sustainable Range Awareness (SRA). These components, further discussed below, combine to provide the means to understand how the MCOE training requirements will impact land management practices, what the impact of training is on the land at Benning, how to mitigate and repair the impacts, and communicate the ITAM message to soldiers and the public. Geographic Information Systems (GIS) is a foundational support element that provides locational information that assists land managers in making their decisions.

Training Requirements Integration - TRI

TRI is the component of the Fort Benning ITAM Program that provides a decision support procedure that integrates training requirements with land management, training management, and natural and cultural resources management processes and data derived from RTLA and Army Conservation Program components. Army Training and Testing Area Carrying Capacity (ATTACC) is the standard methodology for estimating training land carrying capacity by relating training load, land condition, and land maintenance practices. HQDA uses ATTACC to estimate land maintenance requirements for the ITAM program and is integrating it into the Army's Training Resource Model. At Fort Benning the ATTAC methodology and its automated decision support tools are being integrated into their training land management systems and will be used in the TRI process. The integration of all requirements occurs through continuous consultation between the Directorate of Plans, Training, and Mobilization (DPTM), natural and cultural resources managers, and other environmental staff members, as appropriate. The Fort Benning Integrated Natural Resources Management Plan (INRMP) is developed and updated with TRI input and is an implementing document foundational to the TRI process. TRI supports range modernization project siting and training event scheduling and allocation.

The TRI function is managed by the Benning ITAM coordinator, with direct support from the Range and Training managers, and the RTLA and LRAM coordinators. TRI is further supported by the natural resources management and/or environmental staff and the Directorate of Public Works (DPW). In addition, TRI involves coordination with external agencies and Federal departments.

TRI achieves the "training-environmental" balance and interface that is key to ITAM and requires continuous interaction and coordination between Benning's operations/training staff and the natural resources management/environmental staff. This ensures wise land-use planning and management decisions that meet regulatory compliance and training activity requirements.

The goals for TRI are to:

> Ensure sustained accessibility to adequate training lands to support training to standards under realistic natural conditions
>
> Provide military trainers and land managers with the necessary technical and analytical information to --
>
> - Integrate doctrinally based training with land/environmental constraints
> - Quantify training land carrying capacity.

TRI supports Benning's requirements for environmentally sustainable training lands. TRI improves coordination and facilitates cooperation, decision-making, and allocation by providing uniform information regarding land conditions, trends, and any necessary modification of requirements. The TRI goals are achieved when training and environmental requirements are balanced in the decision-making process.

The TRI component has four objectives. Together the objectives and tasks provide the overall guidance for the management and execution of this component Benning's ITAM Program.

Objective 1: Integrate training requirements with training land management into a prioritized work plan, and execute requirements subject to availability of resources.

Objective 2: Optimize training land management decisions by coordinating mission requirements and land maintenance activities with training land carrying capacity.

Objective 3: Identify existing and projected training land resources and prioritized land use requirements.

Objective 4: Generate prioritized requirements for land rehabilitation, repair, and/or reconfiguration.

Range and Training Land Assessment Program - RTLA

The Benning Range and Training Land Assessment (RTLA) program focuses on sustaining doctrinal training. The mission statement is:

Inform the process of military land management to maximize the capability and sustainability of land to meet the Army training mission.

To accomplish this mission, Benning's RTLA program managers will inventory and monitor natural resource conditions and manage and analyze natural resource information. The results are pertinent to management of training lands from training area to installation scale and provide input to decisions that promote sustained and multiple uses on military lands. The RTLA program evaluates relationships between land use and condition through the collection of physical and biological resource data. Some RTLA projects are long term, while others are relatively short. Key to RTLA success is the evaluation of collected data. Analysis of these data drives program success.

Objectives will be defined, data collected and analyzed, managed, and reported in the RTLA program. A key program component is getting analyzed data to those that make management decisions. This requires developing an installation specific data center of natural resource knowledge, understanding potential issues, and presenting information clearly and effectively.

Data collection will encompass many formats, from field monitoring to historical photographs to remote sensing. Data sources vary from those collected on the installation to data available from other organizations and agencies.

Benning will document condition and change in high-use areas such as maneuver sites, bivouac areas, and firing points. That will provide trainers and natural resource managers with an understanding of potential site quality and the inputs for achieving and maintaining a desired level of site condition. Similarly, analysis of collected data may trigger LRAM projects for remediation of the area. This proactive approach will keep the expected and actual impacts of the MCOE within manageable levels.

Maintaining long-term site information will also aide Benning in addressing offsite investigations by the public and other agencies and to respond to assertions of poor land stewardship. Few other land users have the information and can document the affects of training as well as the Army. Pairing training history, environmental shifts, and off-site land condition, Benning will have the ability to successfully demonstrate its commitment to natural resources.

The core of the RTLA program is to provide the MCOE with training lands that are capable of meeting the doctrinal needs of training missions now and in the future.

RTLA Mission and Goals

Mission:

Inform the process of military land management to maximize the capability & sustainability of land to meet the Army training mission.

Goals:

Goal 1 Assess impacts of live training activities and recommend options for sustained usage.

Goal 2: Prioritize and assess land management activities external to training in order to maximize the capability, accessibility and availability of land to meet the training mission.

Goal 3: Participate in training land use planning (e.g. Range Master Plan, Installation Master Plan, NEPA, etc)

Land Rehabilitation and Maintenance – LRAM

LRAM is a key enabler for sustaining realistic training conditions and supporting personnel, weapons, vehicles, and the mission requirements for the units using the installation. It provides a preventive and corrective land rehabilitation and maintenance procedure to reduce the long-term impacts of training on an installation. It includes training area redesign and/or reconfiguration to meet training requirements.

LRAM uses technologies such as re-vegetation and erosion control techniques to maintain soils and vegetation required to support the military mission. Other engineering controls may include maneuver area hardening, siebert stakes, etc. These specifically designed efforts help installations maintain quality military training lands, minimize long-term costs associated with land rehabilitation and manage impacts to natural resources.

LRAM includes programming, planning, designing, and executing land rehabilitation, maintenance, and reconfiguration projects based on requirements and priorities identified in the TRI and RTLA components of ITAM.

The goals of the LRAM program are to:

Sustain **long-term** training/testing missions on lands held under the stewardship of Fort Benning.
Sustain the overall condition of installation lands to ensure **long-term** military viability of its installations.
Coordinate **long-term** land maintenance plans with other real property management programs on the installation.
Apply best management practices for design and execution of LRAM to ensure the rehabilitation, repair and maintenance results are commensurate with the applied resources.

The objectives of the LRAM program are as follows:

Identify land maintenance requirements
Identify project sites that require restoration, rehabilitation, or reconfiguration to improve access to training areas and increase duration of use

Develop a scope of work for the projects that includes a site description, design, resources required and expected outcome
Develop project prioritization lists based on RTLA data, GIS data, input from TRI, and other information available
Execute projects as resources are made available
Evaluate the effectiveness of the completed projects
Ensure that completed projects receive adequate preventative maintenance
Coordinate long-term land maintenance plans with other real property management programs on an installation.

To achieve LRAM objectives, Benning will identify and execute projects to either prevent or solve specific problems. For example, the loss of natural vegetation on a steep slope used for training maneuvers can increase the amount of soil erosion, affect the safe use of, and/or create a sediment build-up in or near a wetland. By combining re-vegetation with redesign of the training area, LRAM prevents recurrence of the problem.

Installations will coordinate with the range modernization planning team members to identify, plan, and execute approved LRAM projects.

Examples of typical tasks related to LRAM project execution are identifying potential project sites, developing project priorities; conducting project planning, coordination, and design; and executing projects.

Natural Resources Conservation Service (NRCS) Interagency Agreement for Land Rehabilitation and Maintenance Support. An interagency agreement between USAEC and the Natural Resources Conservation Service (NRCS) provides a tool that allows a wide range of support options for Land Rehabilitation and Maintenance (LRAM) and other programs to fund land maintenance projects at installations. One way to use the tool would be to transfer funds from the Department of the Army or a Major Command directly to NRCS national headquarters and earmarked for specific installations. These funds will be used to maintain or enhance training areas to allow for their continued availability for training. In virtually all cases this means the installation of erosion control systems designed to meet a particular need. The local NRCS field office, in close consultation with appropriate installation staff, will manage these LRAM projects to suit the needs of the installation. Check the Library for the Memorandum of Agreement between The US Army Environmental Center and the Natural Resources Conservation Service for Conduct of Natural Resources Conservation Activities on Lands Administered by the US Army.

Sustainable Range Awareness – SRA

Sustainable Range Awareness (SRA) is the component of the ITAM Program that provides a proactive means to develop and distribute educational materials to users of range and training land assets at Benning. Materials relate procedures that reduce the potential for inflicting avoidable impacts on range and training land assets, including the local natural and cultural resources. ITAM SRA addresses specific environmental

sensitivities at the installation level, to inform land users of restrictions and activities to avoid so as to prevent damage to natural and cultural resources.

The SRA component applies to soldiers, other services using Army lands, installation staff, other land users, and the public. The SRA component also includes efforts to inform environmental professionals of Army and installation mission and training activities.

The most common formats for SRA products include:

Soldier Field Cards

Leader/ Soldier Handbooks

Posters/Photos

News Articles

Briefings

Pamphlets/Brochures

Web site/multi-media

Maps and Overlays

The goals of Benning's SRA program would be to:

Minimize resource damage by indoctrinating land users of how their activities impact the environment

Instill a sense of pride and stewardship responsibility.

The SRA component has three objectives.

Objective 1: Educate land users of their environmental stewardship responsibilities. Successful management of training lands requires land users to have a clear understanding of the installation's mission(s).

Objective 2: Improve public relations through SRA. We must communicate our success at sustaining mission activities while preserving Army land. The installation PAO must be involved.

Objective 3: Conduct operational awareness for environmental professionals.

The full development and implementation of the Sustainable Range Program at Fort Benning is the key to proactively avoiding and minimizing impacts to the RCW and other natural resources. The SRP will, through sustainable design, development, operation and maintenance of the range and training lands, allow the Maneuver Center of Excellence to

focus on providing effective training in an environmentally sensitive & sustainable manner.

APPENDIX I

A-20 IMPACT AREA ACCESS LETTER

TRANSMITTAL, ACTION AND CONTROL

SGS LOG:	IN SGS:	OUT SGS:	DATE PREPARED: 18 May 2004

SUBJECT: Request access for monitoring/maintenance of seven RCW clusters in A20 Impact Area

ACTION OFFICER/PHONE NUMBER:	DIRECTORS/COMMANDERS SIGNATURE:
Linda Veenstra, 545-8072	Kennard R. Strumpler, Director of Public Works

☒ SIGNATURE ☒ APPROVAL ☐ INFORMATION

☒ SGS ☐ Dep CofS ☐ Garrison CSM ☐ USAIS CSM ☐ USAIC CSM ☐ CofS, USAIS

☒ GC ☐ CofS, USAIC ☐ AC/DCG ☐ CG

1. PURPOSE: To obtain the Garrison Commander's signature which forwards to the US Fish and Wildlife Service (USFWS) a letter of committment for access into the A20 Impact Area for monitoring and maintaining seven active Red cockaded woodpecker clusters. Conditions for access are being formally requested by the USFWS to assure them that the proposed minimization strategy for the Digital Multi Purpose Range Complex (DMPRC)can be accomplished.

2. DISCUSSION:

a. On 7 May 2004, a DMPRC project status meeting was held. During the meeting, US Fish and Wildlife Service representatives requested a formal letter assuring that access into the A20 impact area will be provided in order to meet the proposed minimization strategy as stated in the DMPRC Biological Assessment. Seven active RCW clusters in A20 are proposed as an offset to seven clusters that may be lost as a result of the construction and operation of the DMPRC.

b. Access into A20 will be no more than four days per year with the majority of days needed in mid-May and one to two of the four days needed during the winter months for RCW cavity maintenance.

C. Prior to attaining access to seven clusters in A20, surface clearing of UXO must occur. Upon clearing, clusters must be located, GPSed, and then monitored and managed at the rate described above.

d. These seven clusters will count toward the Installations recovery goals and therefore must be managed in accordance with recovery standards.

e. Informal discussions with USFWS representatives suggest that if access cannot be formally conveyed, further discussions on minimization methods will be needed.

3. RECOMMENDATION: Sign letter at Tab A

S:

COORDINATION/APPROVAL

OFFICE	ACTION	NAME AND DATE	OFFICE	ACTION	NAME AND DATE
DPT Conrad	Jordan	27 May 04			

STAFF REMARKS (Command Group Use Only)	APPROVAL AUTHORITY:
	APPROVED:
	DISAPPROVED:
	NOTED:

DEPARTMENT OF THE ARMY
HEADQUARTERS UNITED STATES ARMY INFANTRY CENTER
FORT BENNING, GEORGIA 31905-5000

REPLY TO
ATTENTION OF

Conservation Branch

Sandy Tucker
Field Supervisor
U.S. Fish and Wildlife Service
247 S. Milledge Avenue
Athens, GA 30605

Dear Ms. Tucker:

On March 23, 2004, you submitted a letter of request to Fort Benning asking for additional information regarding the March 11, 2004, Biological Assessment (BA) for the Proposed Digital Multi Purpose Range Complex (DMPRC). Upon receipt of the BA, you identified four critical informational needs requiring resolution before your Agencies' Biological Opinion (BO) could be issued or you would otherwise have to assume a "worse case scenario" when developing your Opinion. This correspondence formally serves to address the one informational need currently unresolved from your request.

Specifically, one of your requests asked for an estimate of the number of days needed (both annually and seasonally) to allow for Fort Benning Conservation Branch personnel to meet the monitoring and management requirements of the federally endangered Red-cockaded Woodpecker (RCW) as it relates to minimizing impacts associated with construction, operation and maintenance of the proposed DMPRC. Additionally, and perhaps just as important, this correspondence serves to assure you and your Agency that access to the areas associated with the DMPRC-BA minimization strategies will be made available in order to meet the RCW monitoring and management standards for A20 area.

To date, Installation biologists' have spent significant time working with your Agencies RCW Recovery Coordinator, Mr. Ralph Costa, and with our Range Division personnel. The discussions with Mr. Costa have yielded the maximum number of days needed to meet the monitoring and management requirements for those clusters in the A20 Impact Area to be no more than four days per year for seven years. The days required to attain demographic data will occur around mid-May. For each of the seven clusters, needed information will include activity status and the presence of a potential breeding group (PBG). The remaining number of days will be used to conduct standard cavity maintenance activities and most likely will occur in the cooler months. We intend to send as many staff as available into the A20 area so as to attain the needed information and conduct maintenance actions in as short a time frame as possible.

Finally, as we attempt to meet the requirements of the new RCW Recovery Plan and ultimately recovery of the RCW, Fort Benning Range Division and the Conservation Branch have had groundbreaking discussions in which they have amicably worked to resolve difficult challenges. In effect, the results of these cooperative efforts will allow Conservation Branch personnel to access the RCW groups described in the BA as vulnerable (due to their approximation to the DMPRC) for up to four daylight hours each day all year round. Of course, there may be times when the schedule is altered, but those will be infrequent. This should allow for all RCW dispersal and foraging information to be gathered for these groups.

In closing, we look forward to working cooperatively with you and your staff during the consultation process. If additional information is needed, please contact Ms. Linda Veenstra, DMPRC Environmental Project Manager at (706) 545-8072. Your continued cooperation and assistance are appreciated.

Sincerely,

Ricardo R. Riera
Colonel, U.S. Army
Garrison Commander

APPENDIX J

ENVIRONMENTAL TRAINING AT FORT BENNING MILITARY INSTALLATION

Environmental Training at Fort Benning Military Installation

The Environmental Management Division of Fort Benning's Directorate of Public Works conducts a variety of environmental training specific to the needs of this installation and circumstances found here. Most of this training is meant to enable installation personnel to comply with environmental laws and regulations such as The Endangered Species Act, The Resource Conservation and Recovery Act, and The Clean Water Act. The National Environmental Policy Act (NEPA) serves as the focal point for these legal drivers. NEPA combines the requirements of various laws into a unified system of documentation and administration. This legal compliance justifies the investment of funding and manpower in environmental training. Once established, the training can also inform students about the value of the resources being protected and promote good environmental stewardship.

Fort Benning hired a full-time Environmental Awareness Trainer June 1st, 1999. An Environmental Awareness Training Program was created to satisfy one of the "reasonable and prudent alternatives" specified by the US Fish and Wildlife Service's Biological Opinion regarding the recovery of the endangered red-cockaded woodpecker (RCW). The Program seeks to equip all Fort Benning's personnel with the knowledge required to succeed in their tasks without causing adverse environmental incidents. Audiences involved with field training exercises receive detailed information about the training restrictions and precautions required by the 1996 "Management Guidelines for the Red-cockaded Woodpecker on Army Installations."

In practice, most Soldiers training at Fort Benning do not make decisions that could result in serious environmental incidents. Therefore those few who do make such decisions have become our primary focus. Fort Benning offers a Senior Environmental Compliance Officer (SECO) Orientation to representatives of garrison directorates and brigade- or battalion-sized military units. The SECO is commonly a field-grade officer, usually the executive officer of such a unit. The SECOs advise their commanders on environmental issues and set environmental policy for their organization. The SECO Orientation is a four-hour class offered monthly. A class similar to the SECO orientation is now offered to Environmental Compliance Officers of smaller units, such as companies. The Garrison Commander's Environmental Quality Control Committee meeting, held quarterly, is frequently used to convey new environmental information to the installation's SECOs. Environmental awareness is also part of Fort Benning's First Sergeant / Commander Orientation, an every-other-month training for unit leaders new to this post. All of these leadership audiences are informed about the 1996 RCW guidelines. During calendar year 2005 such leadership classes were offered 23 times to a total of 199 people.

While unit leadership may fully support environmental compliance, poor decisions by people in the field can still result in environmental incidents. For example, digging in the wrong spot could lead to environmental damage and legal or financial consequences that could have been simply avoided by working in a different location. Mid-level unit leadership bears most of the practical responsibility for the kind of operations that can

threaten Fort Benning's natural resources. These personnel also risk the consequences of an adverse environmental incident. They deserve the information they need to make good decisions. For these reasons much of Fort Benning's environmental training is delivered in a train-the-trainer fashion. An environmental lesson, including a review of the 1996 RCW guidelines, has been included in The Army Instructor Training Course and the Range Safety Briefing, both held twice per month. During calendar year 2005 the Instructor Training class was offered 24 times and 628 people were trained. The Range Safety Briefing was conducted 25 times with a total of 1,515 people trained.

Within these units and organizations certain individuals have specific responsibilities that require specialized environmental training. Fort Benning's first environmental training was directed at Hazardous Waste Managers; an eight-hour training for these personnel is offered twice per month. Once trained, each Hazardous Waste Manager must complete a four-hour refresher training every year. Activity Coordinators have legal responsibility for preventing storm water runoff pollution; they also have to be trained once per year. Other personnel are taught how to properly use Fort Benning's Record of Environmental Consideration, a requirement of Army Regulation 200-2 and the National Environmental Policy Act.

It is sometimes appropriate to teach military units as a group. Fort Benning policy provides for environmental awareness training to units that are preparing to conduct field training exercises. Units visiting the installation for a short time also need environmental information to be able to avoid negative incidents. Such groups can be trained upon arrival, or can access much environmental awareness information on Fort Benning's internet site: https://www.infantry.army.mil/nature/

At this time the Army is placing increased emphasis on sustainability as a guiding management principal. Good stewardship of Fort Benning's natural resources will continue to be an essential component of sustaining this installation's various missions. Until now there have only been occasional opportunities to reach Fort Benning's residents and civilian employees. It remains to be seen what new opportunities for environmental training will become available through the new sustainability initiatives.

FORT BENNING'S ENVIRONMENTAL TRAINING

Audience	Training Event	Duration	Trained By	Scheduled By	Mandate	Notes
brigade / battalion-level Environmental Compliance Officers (appointed on orders)	Senior Environmental Compliance Officer (SECO) Orientation	four hours	DPW / EMD	DPW / EMD	• Army Reg. 200-1 • USAIS Policy Memo 200-1-13	• offered monthly • one time; no refresher • certificate provided
new Company Commanders and First Sergeants	First Sergeant / Commander Orientation	environmental segment (one hour)	DPW / EMD	DOT / QASFD	• USAIS Policy Memo 200-1-13	• offered every other month • one time; no refresher
company-level Environmental Compliance Officers (appointed on orders)	Company Env. Compliance Officer Workshop (CECOW)	four hours	DPW / EMD	DPW / EMD	• Army Rrg. 200-1 • USAIS Policy Memo 200-1-13	• offered monthly • one time; no refresher • certificate provided
Officers In Charge of ranges, Range Safety Officers	Range Safety Briefing	Env. Incident Reporting Lesson (45 minutes)	DPW / EMD	DOT / Range Division	• USAIS Policy Memo 200-1-13	• offered twice / month • renewed every 2 years
Army Instructors (in POI-driven Army courses)	The Army Instructor Training Course	Env. Considerations Statement Lesson (45 minutes)	DPW / EMD	DOT / QASFD	• TRADOC Reg 350-70 • USAIS Policy Memo 200-1-13	• offered twice / month • one-time; no refresher
Hazardous Waste Managers and Environmental Coordinators	Hazardous Waste Manager Training Course	eight hours	DPW / EMD	DPW / EMD	• Army Reg. 200-1 • FB Haz. Waste Mgt. Plan • USAIS Policy Memo 200-1-13 • RCRA, OSHA	• offered twice / month • annual refresher (4 hr.) • certificate provided
Activity Coordinators of industrial facilities (appointed on orders)	Storm Water Pollution Prevention Plan Training	four hours	DPW / EMD	DPW / EMD	• Army Reg. 200-1 • Clean Water Act	• offered monthly • annual refresher • certificate provided
personnel responsible for preparing FB Form 144-R (S-3 shop, etc.)	Environmental Documentation Training	four hours	DPW / EMD	DPW / EMD	• Army Reg. 200-2 • USAIS Policy Memo 200-1-13 • NEPA, OSHA	• offered monthly • one time; no refresher • certificate provided
resident / tenant unit members	educator visit or ECO instruction	EA lessons based on unit mission (30 min. each)	Educator or ECO	ECO	• USAIS Policy Memo 200-1-13	• should be repeated annually, prior to FTX
transient students of POI-driven Army courses	any lesson taught by a USAIS Instructor	Env. Considerations Statements (five minutes)	USAIS Instructors	varies by course	• TRADOC Reg 350-70 • USAIS Policy Memo 200-1-13	• instructors use standard statements presented in TAITC
transient students - WHINSEC	any lesson taught by a WHINSEC Instructor	Env. Considerations Statements (five minutes)	WHINSEC Instructors	varies by course	• TRADOC Reg 350-70 • USAIS Policy Memo 200-1-13	• Instructors view Spanish language video during Instructor Training.

APPENDIX K

EXAMPLES OF RESEARCH PROPOSALS INVOLVING PINE STANDS ON FORT BENNING MILITARY INSTALLATION

Title: Longleaf pine assessment and evaluation of sustainable longleaf pine stands for RCW colony and foraging habitat, Fort Benning, Georgia.

PI: Dr. Lori G. Eckhardt

Proposal: To implement a 3 year study (FY06-FY08) of Fort Benning's longleaf pine stands to assess current forest health, define decline risk parameters, establish risk map protocols, and provide recommendations for sustainable RCW habitats. Plot design, data collection, assessment and analysis will follow Forest Health Monitoring (FHM) protocols established from the Fort Benning loblolly pine decline evaluation FY2003-FY2005, and will include root sampling, insect trapping, disturbance assessment, evaluation of soil properties, root histology, and aluminum toxicity assessment.

Overall Objective: To determine the forest health parameters associated with the decline of longleaf stands and to develop a longleaf pine decline risk map at FT. B.M.R.

Objectives: 1) Utilize GIS in identifying risk for pine decline and predict sites on which sustainable longleaf pine management can occur into the future; 2) Determine the relative health of current stands of longleaf pine by evaluating standard forest health monitoring parameters (age, basal area, DBH, and radial growth) and techniques (crown condition rating, resin sampling, and foliar analysis); 3) Isolate *Leptographium* spp. from roots and in soil surrounding longleaf pine trees on the selected high and low risk sites and compare their relative abundance on the two site types; 4) Collect and identify vector species (phloem vs. xylem feeders) and their association to *Leptographium* spp. on selected sites; 5) An assessment of physical, chemical and biological soil conditions of selected sites. Assess for aluminum toxicity and possible aluminum uptake in roots; 6) To provide expert knowledge that will be used to produce an expert system that models the risk, initiation, progress, and outcome for longleaf decline, as determined by soils, site, stand age, stand density, and host species; 7) Assess pathogenicity of *Leptographium* spp. on longleaf pine species; 8) Population genetics for possible invasive species of *Leptographium serpens* (matching funding from FABI, collaboration with Dr. Mike Wingfield).

Work Completed: The first year of data is collected and currently being collated and analyzed, this includes standard forest health parameters and techniques, root and soil samples, and insects. Isolations have been made from all samples and are currently being speciated. Root samples are being processed for histology and aluminum toxicity analysis. Longleaf seedling greenhouse inoculation study part one is completed and being presented at the Longleaf Alliance Meeting in November. Mature longleaf pathogenicity study has been started (fall inoculations completed; data will be collected in December). Preliminary risk map currently being used and being updated as biological and topographical data analyzed.

Work to be Completed: Year 2 and 3 collections as stated above and soil collections for the physical, chemical and biological analysis. Pathogenicity work (Greenhouse part 2 and spring mature tree inoculations) and population genetics of *Leptographium* found at Fort Benning. Data analysis, reports and publications.

Preliminary Data: Results from the first year seedling pathogenicity study indicate *Leptographium serpens* has a pathogenic relationship with longleaf pine seedlings. It has proven to be a destructive pathogen by imposing high mortality rates on longleaf seedlings over a four month period. Initial results also indicate that soil moisture level may have an effect on host response to the pathogen.

Title: Managing declining loblolly pine stands for the restoration of red-cockaded woodpecker habitat—Joan Walker, G.Geoff Wang, and Soung-Ryoul Ryu

Background: Managers are challenged to restore longleaf pine (LLP) forests to support red-cockaded woodpeckers (RCW) and associated species of concern, while retaining critical habitat features, including mature trees. To achieve this goal, managers need site specific protocols, based on site productivity and forest structure, to restore LLP on sites where canopy pines are retained. The need is critical at Fort Benning, where as many as 70% of the active RCW cavities are located in mature loblolly pine (LBP) stands with trees that are senescing at an alarming rate. Restoration protocols most likely will indicate partial canopy removal because LLP seedlings do not thrive under closed canopies. Therefore, leaving the trees likely to live the longest would secure the most RCW habitat value through time; thus, managers need a model for predicting tree longevity. Selecting stands for restoration, requires a firm understanding of LBP decline in relation to stand conditions, site conditions, and management history.

Goals: The overall goal is to develop protocols for restoring LLP to stands currently occupied by LBP. The project will accomplish three tasks: (1) First, we will develop stand level silvicultural protocols for restoring LLP forests while retaining a canopy component at Fort Benning, Georgia. (2) Second, we will model loblolly stand vulnerability to decline at Benning; the proposed model will incorporate both ecological and management variables. (3) Finally, we will develop a model based on dendrochronology to forecast individual loblolly pine tree mortality in stands showing decline; the proposed model will provide information to guide thinning operations that might be needed to successfully establish longleaf pine under residual loblolly canopy trees.

Accomplishments: Related to Task 1, the research team established experimental plots for the field experiment that will be used to develop regeneration methods. Six of 8 proposed blocks have been located. In support of Tasks 2 and 3, 36 plots (30m×30m) were installed. In each plot understory vegetation was sampled, and the diameters and crown condition criteria (e.g., crown ratio, light exposure, crown position, vigor class, crown density, and crown dieback) were recorded for each pine tree. These data will be used in the development of a model of stand vulnerability to decline at Fort Benning.

Planned work: A replicated field experiment that manipulates pine canopies to determine suitable conditions for planting LLP under partial LBP canopies will be completed over the next 5 years. Results will be used to guide management decisions regarding successful LLP regeneration in the face of pine canopies affected by decline. Additional plots (>60) to support the development of decline and mortality models will be established in 2007. Other data to be collected from all plots include extensive soil and foliar nutrient analyses, individual tree heights, and mapped location within plots. Tree cores will also be collected from selected trees in all plots for tree ring analysis, and modeling individual tree mortality.

Fact Sheet:

Integration of Forest Growth, Pathology, Management, and RCW Demographics Models for Fort Benning, Georgia

Background

The red-cockaded woodpecker (*Picoides borealis*) (RCW) is a federally listed endangered species endemic to open, mature and old growth pine ecosystems in the southeastern United States. At Fort Benning, Georgia, the RCW's population recovery is inarguably the most central and critical land management issue. Over the course of the last several years, a number of management actions have resulted in an increase in the installation's RCW population. Longer term goals for the installation RCW recovery have focused on developing restoration strategies designed to reestablish a dominant upland canopy structure of longleaf pine (*Pinus palustris*), which were likely present as the primary upland forest type in pre-settlement conditions. Currently, older stands of loblolly pines (*Pinus taeda*) dominate these areas, and thus are the critical source of habitat for the RCW. The loblolly species are considered "off-site" for these areas; being not well adapted to the local conditions, they are showing signs of a combination of stress and disease known as "pine decline syndrome" and ultimately premature mortality. The combination of having a large proportion of the RCW population dependant upon senescing stands of loblolly pines presents the possibility that the installation will be facing a potential of significant population declines. In addition to managing RCW forestry habitat issues related to restoration of longleaf pine in the face of pine decline of current nesting habitat, Fort Benning must also balance mission needs, especially the increase training areas needed due to gaining units in the lasts Base Realignment and Closure (BRAC) decisions that will require clearing of forested areas.

Approach

Responding to the potential problem, Fort Benning organized a workshop in February 2004 that pulled together key scientists, experts, and installation land managers to explore strategies for RCW management, longleaf restoration, and components of pine decline syndrome. Research projects were initiated to develop models for forest growth and dynamics, as well as to conduct field research on the pine decline problem so that the pathological processes could also be modeled. Management plans and options were also identified and discussed so that they may also be represented in the simulation. A published individual-based, spatially-explicit model of the population dynamics of the RCW is incorporated into the simulation framework. The goal is to represent the key components of the system in a simulation framework that combines the dynamics of forest management, growth, and pathology with a spatially-explicit, individual based model of the population dynamics of the RCW. This simulation framework needs to be able to help prioritize short-term management actions as well as to project longer-term outcomes of management plans.

Supporting Technology

The model components represent the current scientific understanding for each domain represented by the model, or in the case of the management, the current relevant forestry and RCW management practices. An essential component of current technology in environmental modeling is the ability to integrate multiple relationships that exist in the real world and to expand these relationships through space and time. The simulation will be built as an integration of the component models upon an existing framework constructed with the Dynamic Integrated Architecture System (DIAS), the object-oriented computer programming architecture developed at Argonne National Laboratory. This framework provides agile abilities to combine models to address questions such as this.

Status

Component models for RCW population dynamics, forest growth processes, pine decline pathology, new range sitings, and forest management have been developed and integrated into a beta-version simulation. Most models have been tested; final revisions and calibration of models and data are underway. The simulation will add new tools to provide a means for the installation to compare impact of potential sitings for training range complexes. A revised version of the simulation will be designed to incorporate more user requirements to the input data and parameters, user interface, visualization, and output data.

Point of Contact

For information about the project contact Dr. Chris Rewerts (chris.rewerts@us.army.mil 217-373-5825).

APPENDIX L

MINIMIZATION OPPORTUNITIES OUTSIDE THE INSTALLATION

MINIMIZATION OPPORTUNITIES OUTSIDE THE INSTALLATION
Wade Harrison, Director, Chattahoochee Fall Line Project, The Nature Conservancy

ACUB Program. Through its partnership with The Nature Conservancy, Fort Benning is already pursuing "off-post" conservation measures intended not only to buffer the installation boundary from land uses incompatible with adjacent military training and land management, but also to protect and restore habitat for listed, imperiled, or at-risk species that impact Fort Benning's mission. These Army Compatible Use Buffer (ACUB) Program at Fort Benning was approved in early 2006 and funded through a Cooperative Agreement between RDECOM and The Nature Conservancy later that same year. Initial funding of $800,000 is being used to secure two conservation easements along Fort Benning's northeastern boundary, which will be the first pieces of a noise-and-smoke buffer while also protecting streams, wetlands, the federally-endangered relict trillium, restorable gopher tortoise habitat, and (longer-term) restorable RCW habitat. Additional projects in the northeast, as well as along and near Fort Benning's western boundary, are under study for additional funding requests, expected to be in the $1 million to $5 million per year range for the foreseeable future. This ongoing program has included substantial mapping, land-use studies, habitat assessments, landowner outreach, and field reconnaissance which may be of value in seeking "off-post" alternatives to minimizing the impacts of BRAC/Transformation.

Adjacent RCW Habitat. Several nearly-adjacent fire-managed parcels belonging to one Alabama landowner abutting Fort Benning's western boundary provide the best chance for additions of RCW habitat amenable to occupation by Fort Benning's population in the short term. Of the nearly 8,000 acres owned by this landowner, one 4,000-acre parcel (with some 2,000 acres of potential habitat) is frequently burned for wildlife management purposes and is already encumbered by a pre-ACUB conservation easement held by a local land trust (not The Nature Conservancy, but a close conservation partner). Thus far, the landowner has shown no interest in encumbering additional acreage. The landowner has not been approached in any detail about entering into an Army-funded RCW restoration program, and the mechanics of doing so under the ACUB program with a pre-existing (or amended) conservation easement, are uncertain. Discussions with this landowner's easement-holder on how best to move forward with RCW restoration, with our without ACUB funding or designation, are underway.

Non-adjacent RCW Habitat. Additional Alabama landowners five to fifty miles away from Fort Benning to the west, and one Georgia landowner some ten miles away to the south, also own large tracts of mature pine fire-managed habitat. One of the Alabama landowners some thirty miles west has a small (3 groups, recently 5 groups) RCW population, some of which is encumbered by a pre-ACUB conservation easement. This particular landowner has shown interest in RCW management, Safe Harbor, recruitment clusters, etc. and has some 12,000 acres of suitable habitat mostly unoccupied by RCWs. Several other of these properties, whose habitat areas range in size from 2,000 to 5,000 acres (including the one in Georgia) are known to have had small numbers of RCW groups in the past ten to twenty years. None of these properties, if they became occupied

by larger, more viable numbers of RCWs, would likely meet the "demographic and genetic interaction" requirement to be considered part of Fort Benning's recovery population. But several, especially the 12,000-acre block in Alabama, may be able to accomodate separate support populations.

Other areas of regional interest, outside Fort Benning but with RCW habitat potential include Tuskegee National Forest in Alabama (35 miles west-northwest), the Callaway Preserve and FDR State Park on Pine Mountain (25 miles north, separated by metro Columbus), Sprewell Bluff WMA and State Park (25 miles north-northeast), and a large private landowner who has established a few thousand acres of longleaf pine plantation all less then ten years old (7 miles east).

The Nature Conservancy and its conservation partners are seeking protection of all these habitat areas and the restoration of RCW populations, but under current RCW recovery policies, these efforts will only be relevant to Fort Benning's recovery goal, and hence Fort Benning's ACUB Program, if habitat protection and occupation is built incrementally and contiguously outward from Fort Benning's habitat. Also, some of these areas lie outside of Fort Benning's approved ACUB zones, and some have already lost (or will soon lose) the potential for connectivity. The need to minimize BRAC/Transformation impacts on Fort Benning may offer new incentive for the Army to invest in a regional multi-population approach to RCW conservation.

Other conservation elements. ACUB projects focused on gopher tortoise, relict trillium, or other conservation elements less dependent on such large (multi-thousand-acre) areas of habitat are still being pursued, regardless of adjacency to Fort Benning, although adjacency and proximity to the installation increases their likelihood of ACUB funding. Opportunities to protect and restore discontinuous but potentially viable populations of gopher tortoise are of particular interest to both Fort Benning and The Nature Conservancy. The gopher tortoise, already federally-listed west of Alabama's Tombigbee River, is one of the highest rated "Species At Risk" by the Army since it is so prevalent on Fort Benning and other southeastern Army installations, and is under petition for federal listing in the remainder of its range. The Fall Line sandhills extending away from Fort Benning's northeastern boundary offer the most frequent occurrences of the tortoise outside of Fort Benning, and the most compelling opportunities for protection and restoration by the Conservancy and its partners. Especially compelling are those tracts where additional conservation priorities (e.g. rare plant communities, Atlantic white cedar, Fall Line stream watersheds) overlap or adjoin tortoise habitat. Such projects, which may not always merit ACUB funding in the competitive environment for such funds, may offer additional opportunities for minimization of BRAC/Transformation impacts.