

***FINAL***

**ENVIRONMENTAL CONDITION OF  
PROPERTY REPORT**

**DONALD A. ROUSH  
U.S. ARMY RESERVE CENTER (OK007)  
1720 OPAL STREET  
CLINTON, OKLAHOMA 73601**

***Prepared For:***

**U.S. Army Corps of Engineers – Louisville District  
Engineering Division – Environmental Branch  
600 Dr. Martin Luther King, Jr. Place  
Louisville, Kentucky 40202-2232**

**March 23, 2007**

## CERTIFICATION

All information/documentation provided accurately reflects the environmental condition of the property. This Environmental Condition of Property (ECP) Report is in general accordance with the U.S. Department of Defense (DoD) requirements for completion of an ECP Report.

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**JAMES WHEELER II**  
Chief, Environmental Division  
90<sup>th</sup> Regional Readiness Command

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**DATE**

The undersigned certifies the contents of this report are in general accordance with DoD policies for the completion of an ECP Report.



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**LENARD GUNNELL, P.G.**  
Project Geologist  
U.S. Army Corps of Engineers

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28 March 2007

**DATE**

## EXECUTIVE SUMMARY

The Terraine-EnSafe Joint Venture (TEJV), under contract to the U.S. Army Corps of Engineers, Louisville District, prepared this Environmental Condition of Property (ECP) Report for the Donald A. Roush U.S. Army Reserve (USAR) Center (Facility ID OK007), hereafter referred to as the "Site" or "USAR Center." The Site is at 1720 Opal Street in Clinton, Custer County, Oklahoma.

This ECP Report was conducted in conformance with primary Department of Defense (DoD) and Army guidance, the DoD's Base Redevelopment and Realignment Manual, DoD 4165.66-M, Army regulations and the American Society for Testing and Materials Designation D 6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys*, as secondary guidance when it was not inconsistent with the primary guidance.

This ECP Report details the history of the property, including the USAR and any prior tenant uses of the Site and the resulting environmental condition of the property.

The USAR Center is on 4.75 acres of land with two permanent structures: a 9,632-square-foot Training Building and a 1,325-square-foot organizational maintenance shop. The USAR Center was closed in 2004 and remains inactive. The last USAR unit based in this USAR Center was the 818<sup>th</sup> Replacement Company. Other units historically based at the Site include the 313<sup>th</sup> Training Brigade Unit, a Drill Sergeant Unit, and a USAR Postal Service Unit.

Based on a review of aerial photographs and U.S. Geological Survey topographical maps dating back to 1940, the Site was a farmed area located on the south side of Clinton, Oklahoma, prior to the 1958 land acquisition by the U.S. government. The USAR Center buildings on the Site were constructed in 1960 and 1961.

Areas of potential environmental concern were reviewed and the TEJV found no significant issues relating to the environmental condition of the property. In accordance with DoD policy defining the classifications (See S.W. Goodman Memorandum dated October 21, 1996), the Site has been classified as Category 2. This classification does not include categorizing the property based on *de minimis* conditions that generally do not present material risk of harm to the public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

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### List of Acronyms and Abbreviations

ACM	asbestos-containing material
AEP-PSCO	American Electric Power-Public Service Company of Oklahoma
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
BRAC	Base Realignment and Closure
BRRM	Base Redevelopment and Realignment Manual
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
CESQG	conditionally exempt small-quantity generator
CFR	Code of Federal Regulations
CORRACTS	Corrective Action Sites
DoD	Department of Defense
EBS	Environmental Baseline Survey
ECCI	Environmental, Compliance & Construction, Inc.
ECP	Environmental Condition of Property
EDR	Environmental Data Resources, Inc.
ERNS	Emergency Response Notification System
FEMA	Federal Emergency Management Agency
hazmat	hazardous materials
kg	kilogram
LBP	lead-based paint
LQG	large-quantity generator
LUST	leaking underground storage tank
MEP	military equipment parking
NFRAP	No Further Remedial Action Planned
NPL	National Priorities List
OCC	Oklahoma Corporation Commission
OMS	organizational maintenance shop
OWS	oil-water separator

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Parsons	Parsons Engineering Science, Inc.
PCB	polychlorinated biphenyl
pCi/L	picocuries per liter
POV	privately owned vehicle
PWS	Public Water Supply
RCRA	Resource Conservation and Recovery Act
RCRAInfo	RCRA Information
ROTC	Reserve Officer Training Corps
RQ	reportable quantity
RRC	Regional Readiness Command
SQG	small-quantity generator
TEJV	Terraine-EnSafe Joint Venture
TSD	treatment, storage, and disposal
USACE	U.S. Army Corps of Engineers
USACHPPM	U.S. Army Center for Health Promotion and Preventive Medicine
USAR	U.S. Army Reserve
USEPA	U.S. Environmental Protection Agency
USGS	U.S. Geological Service
UST	underground storage tank
VWR	vehicle wash rack

## **1.0 INTRODUCTION**

The Terraine-EnSafe Joint Venture (TEJV), under contract to the U.S. Army Corps of Engineers (USACE) Louisville District, was authorized to prepare an Environmental Condition of Property (ECP) Report for the Donald A. Roush U.S. Army Reserve (USAR) Center (Facility ID OK007), in response to the Base Realignment and Closure Act (BRAC) 2005 legislation. The work was performed under Contract No. W912QR-04-D-0044, Delivery Order No. 0008. The facility at 1720 Opal Street, Clinton, Custer County, Oklahoma, is hereafter referred to as the "Site" or "USAR Center." In support of the ECP, a visual reconnaissance of the Site and surrounding area was conducted on July 25 and 26, and August 23, 2006. The purpose of the reconnaissance was to visually obtain information indicating the likelihood of recognized environmental conditions in connection with the Site.

### **1.1 PURPOSE OF ENVIRONMENTAL CONDITION OF PROPERTY**

The Military Department with real property accountability shall assess, determine and document the environmental condition of all transferable property in an ECP Report. This ECP Report is based on readily available information. Pursuant to the Department of Defense's (DoD's) policy, set forth in the Base Redevelopment and Realignment Manual (DoD 4165.66-M, March 1, 2006) Section C8.3 (BRRM), the primary purposes of the ECP Report include the following:

- Provide the Army with information it may use to make disposal decisions.
- Provide the public with information relative to the environmental condition of the property.
- Assist in community planning for the reuse of BRAC property.
- Assist federal agencies during the property screening process.
- Provide information for prospective buyers.
- Assist prospective new owners in meeting the requirements under U.S. Environmental Protection Agency's (USEPA) "All Appropriate Inquiry" regulations.
- Provide information about completed remedial and corrective actions at the property.
- Assist in determining appropriate responsibilities, asset valuation, and liabilities with other parties to a transaction.

The ECP Report contains the information required to comply with the provisions of 40 Code of Federal Regulations (CFR) Part 373, which require that a notice accompany contracts for the sale of, and deeds entered into, for the transfer of federal property on which any hazardous substance was stored, released or disposed of. The Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), Section 120(h) stipulates that a notice is required if certain quantities of designated hazardous substances have been stored on the property for one year or more — specifically, quantities exceeding 1,000 kilograms (kg) or the reportable quantity (RQ), whichever is greater, of the substances specified in 40 CFR 302.4 or one kg of acutely hazardous waste as defined in 40 CFR 261.30. A notice is also required if hazardous substances have been disposed of or released on the property in an amount greater than or equal to the RQ. Army Regulation 200-1 requires that the ECP Report address asbestos, lead-based paint (LBP), radon and other substances potentially hazardous to human health.

This ECP Report used the American Society for Testing and Materials (ASTM) Designation D 6008-96 (2005) *Standard Practice for Conducting Environmental Baseline Surveys* as a guideline when not inconsistent with the BRRM, CERCLA § 120, Army regulations and other applicable Army guidance.

## **1.2 SCOPE OF SERVICES**

This ECP Report covers the 4.75-acre Donald A. Roush USAR Center at 1720 Opal Street in Clinton, Oklahoma. The property is bounded by Opal Street and a residential area to the north, 18<sup>th</sup> Street and a residential area to the west, Jaycee Street and Clinton High School to the south, and a residential area to the east. A general Site location map, Site map, flood plain map, wetlands map, and historical topographic maps and aerial photographs are provided in Appendix A. Appendix B provides photographs taken during the July and August 2006 Site reconnaissance. Appendix C provides chain-of-title information. Historical environmental documents and reports, and records of communication are provided in Appendix D. The environmental database report is provided in Appendix E.

This ECP Report classifies the property into one of seven DoD Environmental ECP categories as defined by the S.W. Goodman Memorandum dated October 21, 1996. The property classification categories are as follows:

- Category 1: Areas where no release or disposal of hazardous substances or petroleum products has occurred (including no migration of these substances from adjacent properties).
- Category 2: Areas where only release or disposal of petroleum products has occurred.
- Category 3: Areas where release, disposal, and/or migration of hazardous substances has occurred, but at concentrations that do not require a removal or remedial response.

- Category 4: Areas where release, disposal, and/or migration of hazardous substances has occurred, and all removal or remedial actions to protect human health and the environment has been taken.
- Category 5: Areas where release, disposal, and/or migration of hazardous substances has occurred, and removal or remedial actions are underway, but all required remedial actions have not yet been taken.
- Category 6: Areas where release, disposal, and/or migration of hazardous substances has occurred, but required actions have not yet been implemented.
- Category 7: Areas that are not evaluated or require additional evaluation.

### **1.3 ASSUMPTIONS AND LIMITATIONS**

This report was prepared to permit formulation of an opinion of the environmental condition of the property. Opinions on the environmental conditions at the Site are based on information from the Site reconnaissance, interviews, and collection and review of readily available information. New information or changes in property use could require a review and possible modification of the findings and conclusions contained in this report.

The information obtained from the USAR, the USAR's representatives, individuals interviewed and prior environmental reports was considered to be accurate unless reasonable inquiries indicated otherwise. Conditions observed were considered representative of areas that were not accessible unless otherwise indicated.

This ECP Report presents a summary of readily available information on the environmental conditions of, and concerns relative to, the land, facilities, and real property assets at the Donald A. Roush USAR Center. Its findings are based on a record search of readily available, a thorough review of the applicable and relevant documents, a visual reconnaissance conducted on July 25 and 26, and August 23, 2006, and interviews with personnel knowledgeable about the Site and its history. Extensive environmental investigations and reports and Site historical documents were reviewed in support of this ECP. Information obtained from these other studies is reflected within this report by reference. A complete list of references is provided as Section 9.0.

All Site buildings were visually inspected during the Site reconnaissance. However, a 100% visual reconnaissance of each building (e.g., attics, crawl spaces, etc.) was not practical due to accessibility restrictions. No sampling or analysis of any media was conducted during this survey.

## 2.0 SITE LOCATION AND PHYSICAL DESCRIPTION

The visual Site reconnaissance involving a walking tour of the facility, including the Training Building and organizational maintenance shop (OMS), and its perimeter was conducted by TEJV personnel on July 25 and 26, and August 23, 2006, to field-verify information produced in the document review and to identify recognized environmental conditions of property.

A visual reconnaissance of the Site perimeter was conducted to evaluate adjacent property uses that could cause environmental contamination on the Site. TEJV personnel drove on roads along the perimeter and in the surrounding area to visually identify any contiguous properties that appear, in TEJV's professional judgment, to have contamination that could migrate to the Site. The findings of the perimeter survey are presented in Section 4.0.

### 2.1 SITE LOCATION

The Site is at 1720 Opal Street in Clinton, Custer County, Oklahoma (Figure 1 in Appendix A). The Site is in a developed area in the southwest area of Clinton. It is bordered by residential areas to the west, north, and east, and the Clinton High School campus to the south.

### 2.2 ASSET INFORMATION

Facility Name and Address: Donald A. Roush USAR Center (OK007)  
1720 Opal Street  
Clinton, OK 73601

Property Owner: U.S. Government

Date of Ownership: June 13, 1958

Current Occupant: Unoccupied (818<sup>th</sup> Replacement Company was the last unit to occupy the Site. The facility was vacated in September/October 2004)

Zoning: R-1, Single Family Residential

County, State: Custer County, OK

USGS Quadrangle: Clinton, OK

Section/Township/Range: Section 22, Township 12 North, Range 17 West

Latitude/Longitude: 35° 38' 24.5" N; 98° 58' 54.8" W

**Legal Description:** All those certain pieces or parcels of land being Block 12, Arcadia Garden, Subdivision of the North  $\frac{1}{2}$  of the Northeast  $\frac{1}{4}$  of Section 22, Township 12 North, Range 17 West, the area described is designated as Tract Number A-100, Army Reserve Training Center, lying and situated in the City of Clinton, Custer County, State of OK.

### **2.3 PHYSICAL DESCRIPTION**

A Site map of the USAR Center is provided in Figure 2 in Appendix A. Photographs of the Site and surrounding area are presented in Appendix B. Photographs 1 through 10 show the general layout of the Site and buildings. Photographs 11 through 17 show specific rooms and conditions within the Training Building. Photographs 18 through 26 illustrate specific features in the military equipment parking (MEP) area and OMS. Photographs 27 through 32 show the land use of property adjacent to the Site.

The USAR Center is on 4.75 acres of land with two permanent structures: a 9,632-square-foot Training Building and the 1,325-square-foot OMS. Initial construction of the Training Building occurred in 1960, and construction of the OMS occurred in 1961. Modifications made to the Training Building in 1985 included expansion of the building to the east and addition of the Drill Hall. The Training Building walls are concrete block with brick veneer, and the OMS walls are concrete block. Both buildings have concrete foundations. The general layout of the Site relative to the Training Building is shown on Photographs 1 through 5 in Appendix B. The general layout of the Site relative to the OMS is shown on Photographs 6, 7, and 8 in Appendix B.

A Site map of the USAR Center is provided in Figure 2 in Appendix A. As shown on that figure, vehicle access to the Site is via two driveways from Opal Street to the north. The driveways connect to two privately owned vehicle (POV) parking areas on opposite sides of the Training Building — the west POV parking area and the east POV parking area. These two POV parking areas are connected by a paved road south of the Training Building. A paved driveway extends from this paved road to the roll-up door in the Drill Hall of the Training Building. An MEP area, which is connected by a paved road to the west POV parking area, is located west of the OMS. The OMS and MEP are enclosed by a gated chain-link security fence topped with barbed wire. A grease rack ramp is located north of the OMS, within the fenced area.

Two hazardous materials (hazmat) storage sheds were within the OMS fenced area during the July 2006 Site reconnaissance — the “old” hazmat storage shed and the “new” hazmat storage shed. Neither shed contained hazmat during the July 2006 reconnaissance. The old shed was previously used to store hazmat to support vehicle maintenance and cleaning activities. The new shed was never used; the shelves were lying on its floor during the July 2006 Site reconnaissance. The new shed was not on the Site during the August 2006 Site reconnaissance; the USAR had moved it offsite for use at another location.

As shown on Figure 2 in Appendix A, approximately one-third of the Site is covered by impervious surface features (e.g., asphalt parking areas, driveways, concrete walkways, building footprints, etc.). The remaining ground surface is covered by lawn area; there are landscaped shrubs immediately adjacent to the Training Building. There are two deciduous trees that are taller than forty feet in the area of the Training Building (Photographs 3, 4 and 5 in Appendix B). The lawn area on the south side of the Site is shown on Photographs 9 and 10 in Appendix B.

Topographically, the Site is relatively flat. No signs of erosion, excavation, or fill were observed on the Site. According to interviews with USAR personnel, soil or fill material from offsite sources has not been brought onto the Site, nor has any significant regrading occurred on the Site.

The original Training Building consisted of a one-story, rectangular shaped structure. In 1985, a new meeting room was added on the east side of the building and the Drill Hall and kitchen area were added to the south, making the building footprint "L"-shaped. The Training Building includes classrooms, restrooms, offices, a Drill Hall, an arms storage room, a kitchen, and mechanical room. The interior of the building appeared to be well maintained during the visual reconnaissance. No evidence of chemical or petroleum releases was observed inside the building.

The Drill Hall has a vehicle roll-up door on the south side that opens onto a driveway. The Drill Hall was used for troop assemblies and storage. During the Site reconnaissance, some members of the local high school Reserve Officers Training Corps (ROTC) and their adult instructors were target shooting inside the Drill Hall. The practice drill used pellet guns and temporary targets. Temporary targets were lined up against the west wall of the Drill Hall (Appendix B, Photograph 11). The targets were 2-inch by 4-inch wooden frames with a thin (approximately one-eighth inch) piece of plywood on the front and a lead/metal back. The lead pellets went through the plywood, and were stopped by the lead/metal back and dropped to the bottom of the frame. The lead pellets were contained in the frames and did not present a potential lead contamination issue. The arms storage room with storage racks and a locking cabinet located on the northwest area of the Training Building (Appendix B, Photograph 12) is currently used to store the ROTC pellet guns. USAR personnel said that no live ammunition was ever stored on the Site and that there were no other firing range activities that may have resulted in lead contamination of the Site.

The kitchen area consists of three rooms. Each has a floor drain that discharges to the public sanitary sewer. Kitchen equipment, including a large refrigerator, freezer, and stoves, was present during the Site reconnaissance. USAR personnel said that the kitchen had not been used since the 1980s. Small quantities of cleaning chemicals were stored in the janitor's closet and on a cleaning cart observed inside the kitchen (Appendix B, Photograph 13). A metal lid-covered grease trap, utilized when the kitchen was in operation, is located outside the eastern wall of the Training Building. A concrete wash basin equipped with a floor drain is located adjacent to the grease trap, next to the building. The grease trap and wash basin are shown in Appendix B, Photograph 14.

The mechanical room located within the west-central portion of the building contains the heating, ventilating, and air-conditioning system, hot water heaters, chillers, and the fire prevention system equipment. The room is equipped with floor drains to convey the condensate/blowdown/leakage from the various pieces of mechanical equipment to the public sewer system. Two floor drains and some equipment and piping in the mechanical room are shown on Photographs 15, 16, and 17 in Appendix B.

The condensate/blowdown/leakage is piped directly from the equipment to a floor drain to prevent water from accumulating on the floor. Floor drains are also located in the restrooms and in the kitchen to collect condensate from the chillers/refrigerators and to facilitate floor cleaning. The floor drains discharge into the public sanitary sewer that serves the Site.

Electric power to the Site is provided by overhead lines from American Electric Power-Public Service Company of Oklahoma (AEP-PSCO). There are two pole-mounted electrical transformers on the east and west sides of the Site (Appendix B, Photograph 18).

The OMS is a one-story, rectangular structure adjacent to the MEP area within the chain-link security fencing south of the Training Building. A grease rack ramp, old hazmat shed, and the former vehicle wash rack (VWR) area are located within the fenced MEP parking area (Appendix B, Photographs 19 and 20). A single roll-up garage door on the west side of the OMS opens onto the MEP area. The OMS has two pedestrian doors: one on the west side of the south wall and one on the east side of the north wall. Two windows are located in the north wall and one in the east wall. The OMS has a bare concrete floor and concrete block walls, and was empty during the July 2006 Site reconnaissance (Appendix B, Photograph 21). An overhead heater and insulated piping in the OMS are shown on Photograph 22 in Appendix B.

The grease rack ramp located just north of the OMS and the exterior of the old hazmat shed are shown on Photograph 23 in Appendix B. Storage racks that were removed from the OMS were being stored under the grease rack ramp during the July 2006 Site reconnaissance. The empty interior of the old hazmat storage shed is shown on Photograph 24 in Appendix B. The location of the former VWR and oil-water separator (OWS) is shown on Photographs 25 and 26 in Appendix B. The VWR and OWS were removed in 1993 and the area is now covered in grass with no visible evidence of either feature. A description of the removal work is presented in Section 3.3.1 of this ECP Report.

No military vehicles were located within the MEP area or onsite during the visual reconnaissance.

Activities historically conducted at the Site may have been different or included other activities than those observed on the Site during the visual reconnaissance and/or described by current USAR personnel.

## **2.4 SITE HYDROLOGY AND GEOLOGY**

### **2.4.1 Surface Water Characteristics**

Appendix A provides a topographic map of the Site and surrounding area. As shown on the map, the Site is fairly flat and approximately 1,600 feet above mean sea level. The north end of the Site drains toward Opal Street to the north and to the east. As shown in the Site photographs, the east POV parking area is lower in elevation than the west POV parking area. The southern half of the Site generally slopes to the southeast. A shallow drainage swale curves through the south lawn area of the Site from the OMS area to the southeast corner of the Site. No surface water bodies are present on the Site or adjacent areas. The Washita River, located approximately 1.5 miles east of the Site, is the nearest major surface water feature to the Site. The Washita River ultimately discharges into the Red River.

According to the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map for the City of Clinton, Oklahoma (Community-Panel Number 400054 0005 D, Map revised April 3, 1987), the Site is in Zone C. FEMA defines Zone C as “areas of minimal flooding.” The Site is outside the 100-year and 500-year flood zones. Figure 3 in Appendix A provides a map depicting the extents of the nearest 100-year and 500-year flood plains in the area of the Site.

### **2.4.2 Hydrogeological Characteristics**

Based on the Custer County soils map from the U.S. Department of Agriculture Natural Resource Conservation Service, the predominant soil types on the Site are:

- CaB — Carey silt loam
- WoD— Woodward silt loam

The runoff class for Carey silt loam is low and it is well drained. The runoff class for Woodward silt loam is medium; it is also well drained. Both soils are not flooded and not ponded and are classified as Hydrologic Group Class B, which is categorized as having deep and moderately deep, moderately well and well-drained soils with moderately coarse textures. Carey silt loam and Woodward silt loam are not hydric soils. There are no wetlands on the Site according to Figure 4 in Appendix A, which is a copy of the National Wetlands Inventory Map of the Site area.

The Site is located approximately two blocks from the City Of Clinton water tank and is near a topographic high point in the area. The Site and surrounding area are served with public water by the City of Clinton.

No wells or springs were observed on the Site, nor were any wells identified on the Site during a search of the U.S. Geological Survey (USGS), Federal Reporting Data System Public Water Supply (PWS) System, and state databases. A search was also conducted

for wells within 1 mile of the Site (see the Environmental Data Resources, Inc. [EDR] Report in Appendix E).

No PWS wells within 1 mile were listed on the databases researched by EDR. One Federal USGS well and 22 other wells within 1 mile were listed on databases researched. The Federal USGS well was reported to be within one-half mile of the Site. TEJV attempted to physically locate the well in the field during the July 2006 Site reconnaissance but was unsuccessful.

The other 22 wells were reportedly greater than one-quarter, but less than, 1 mile from the Site. The wells were reportedly shallow (typically 12 to 25 feet deep) and primarily used for water quality or site assessment. The TEJV attempted to physically locate these wells in the field during the July 2006 Site reconnaissance. Only two groundwater monitoring wells were observed in the field; these wells were located north of the closed Coca-Cola facility on Corbin Lane more than one-quarter mile from the Site. Other listed wells were not located in the field. The two observed wells are not located upgradient from the Site and do not represent conditions that will present a potential risk to the Site.

## **2.5 SITE UTILITIES**

The Site and surrounding area are served by public utilities. The City of Clinton provides potable water and sanitary sewer service. Oklahoma Natural Gas Company provides natural gas service to the Site. AEP-PSCO provides electricity to the Site. Solid waste disposal takes place in the Custer County Landfill by municipal service.

## **2.6 WATER SUPPLY WELLS AND SEPTIC SYSTEMS**

As described in Section 2.4.2, there are no PWS wells within 1 mile of the Site. Because the Site is served by a public sanitary sewer system, there are no septic systems on the Site, and no known systems were identified in the area.

### 3.0 SITE HISTORY

#### 3.1 HISTORY OF OWNERSHIP

Land titles for the Site were reviewed back to 1892. Appendix C contains a historical Chain-of-Title Report completed for the Site. Key historical deed transfers of the Site are as follows:

- May 20, 1892 — United States of America to Alice Butts
- December 23, 1907 — Alice Butts to C. H. Lamb and Chas W. Goodwin
- January 7, 1908 — Chas W. Goodwin and Carrie Goodwin, husband and wife; and C. H. Lamb to The Clinton Townsite and Investment Company
- March 4, 1922 — The Clinton Townsite and Investment Company to C. E. Johnson
- June 13, 1958 — Josephine Havens Chody and husband, Byron Chody, Billie Jo Arnold and husband, James E. Arnold (heirs of C. E. Johnson) to United States of America

The Chain-of-Title Report did not identify any leases or environmental liens against the USAR Center property. No historical Sanborn fire insurance maps were available for this Site.

As shown on the Site map (Figure 2 in Appendix A), there is a 10-foot-wide sanitary sewer easement that runs east-west near the center area of the Site.

#### 3.2 PAST USES AND OPERATIONS

Important events in the facility's development, administration, and mission are summarized below:

<b>Year</b>	<b>Description</b>
1958	Site property was acquired by the U.S. government
1960	Training Building was constructed, along with a POV parking area to the west
1961	OMS was constructed
1985	Training Building was expanded to the east, and Drill Hall and kitchen were added
1985	East POV parking areas was added
2004	Facility closed as an active USAR Center

Historical information sources suggest that the Site was previously part of a farm on the south side of Clinton, Oklahoma. The Site has served as a USAR Center since the U.S. government acquired the land in 1958.

The Site primarily functioned as an administrative and educational facility, with limited maintenance of military vehicles. The Site was historically used by reservists for drill activities on various weekends throughout the year. The USAR Center was closed in 2004 and remains inactive. The last USAR unit based in this USAR Center was the 818<sup>th</sup> Replacement Company. Other units historically based at the Site prior to the 818<sup>th</sup> Replacement Company included the 313<sup>th</sup> Training Brigade Unit, a Drill Sergeant Unit, and USAR Postal Service Unit.

During the Site reconnaissance, the Training Building was unoccupied except for high school ROTC training being performed in the Drill Hall. The Training Building contained tables, chairs, desks, and the kitchen equipment from previous USAR activities. However, the kitchen had not been used since the 1980s.

The OMS was also empty at the time of the Site reconnaissance. Storage racks formerly located in the OMS had been removed and stockpiled under the grease rack ramp outside the OMS. According to a USAR representative, the USAR units stationed at the Site did not have many government vehicles, and vehicle maintenance and repair work was primarily performed at an Area Maintenance Support Activity shop located at one of the other USAR centers in Oklahoma. As described in Section 3.5.2, a VWR with an OWS was shown on a figure in a previous architectural report. During the July 2006 Site reconnaissance, the area was covered with grass and there were no visible signs of the VWR or OWS. As described in Section 3.3.1, the VWR and OWS were reportedly removed in 1993, although no closure reports were made available for review.

Historical topographic maps and aerial photographs provide information about the Site and surrounding area. Figures 5 and 6 in Appendix A present topographical maps of the Site and surrounding area dated 1956/1957 and 1983, respectively. Figures 7 through 11 present aerial photographs of the Site and surrounding areas dated 1940, 1955, 1966, 1995, and 2006, respectively.

Pertinent observations on the historical USGS maps are summarized below.

- **1956/1957 (Figure 5).** The Site is located just south of the developed area of Clinton. One building is shown on the northwest corner of the Site; it may have been a farm house for the Site and surrounding area. The area immediately north of Opal Street is shown as developed. Houses are shown west of the Site on the other side of what is now 18<sup>th</sup> Street. The south side of the Site is bounded by the Panhandle and Santa Fe railroad track; the area farther south appears to be farm land. The area east of the Site between the developed area of Clinton and the railroad track also appears to be farm land or undeveloped. The City of Clinton is

shown to the north and west of the Site. Route 66 is shown through downtown Clinton and then east and south of the Site.

- **1983 (Figure 6).** The Site is shown as part of the developed area of Clinton; no specific buildings and residences are shown on the Site or in the immediate area. The area east and southeast of the Site is shown as developed; the area to the east is shown as McLain Rogers Park. The west side of the Site is bordered by 18<sup>th</sup> Street. The railroad tracks south of the Site were replaced by Jaycee Lane. Clinton High School is shown south of the Site and Jaycee Lane. More development is shown north and west of the Site. A new road is shown along the railroad tracks to the west. Interstate 40 is also shown south of the Site.

Pertinent observations on the historical aerial photographs are summarized below.

- **1940 (Figure 7).** A building assumed to be a farm house is shown in the northwest corner of the Site. The Site appears to be in a farmed/cleared area on the south side of Clinton. Residential development is visible north of the Site, within the town of Clinton. The density of houses is higher in the town of Clinton to the north. Opal Street is shown on the north side of the Site and railroad tracks are shown to the south. There are no cross streets and only two buildings are present in the area between Opal Street and the railroad tracks. A drainage swale appears to discharge away from the northeast corner of the Site to the southeast. The area to the south appears to be farm land.
- **1955 (Figure 8).** The building in the northwest corner of the Site remains. More houses and buildings are shown in Clinton north of the Site. Some cross streets and other roads are present between Opal Street to north side and the railroad tracks to the south. The area to the south appears to be farm land.
- **1966 (Figure 9).** The USAR Center buildings are shown on the Site. The main part of the Training Building, OMS, and west POV parking area are shown. The pad for the VWR (mentioned in the Architectural Report) is visible north of the MEP area. The areas north, west, and east of the Site are fully developed residentially. The railroad to the south has been replaced by Jaycee Lane.
- **1995 (Figure 10).** The USAR Center buildings and additions are shown on the Site. The Training Building has been expanded to the east and the Drill Hall added to the south. The east POV parking area and the road that connects the east and west POV parking areas are shown. A driveway from this connector road to the Drill Hall door is also shown. The pad for the VWR is not visible. More residential development is visible southeast of the Site.
- **2006 (Figure 11).** The USAR Center shown on the Site appears similar to the 1995 conditions. The area around the Site is fully developed.

The earliest available information about the Site is from a 1940 aerial photograph, which shows the Site as a farming operation. As documented in the topographic maps and aerial photographs presented in Appendix A, a structure (possibly a house) was located on the northwest corner of the Site. No other records were found regarding this structure. This structure was removed prior to development of the USAR Center on the Site.

### **3.3 PAST USE, STORAGE, DISPOSAL, AND RELEASE OF HAZARDOUS SUBSTANCES**

#### **3.3.1 Past Use and Storage of Hazardous Substances**

Information related to the past use and storage of hazardous substances at the Site was compiled through review of available Site records, search of federal and state environmental databases, and interviews with AR personnel.

Chemicals formerly used and stored at the Site were associated with limited vehicle maintenance, facility maintenance activities, and janitorial services. Hazardous substances were stored in the hazmat shed in the OMS fenced area. However, there is no evidence that CERCLA hazardous substances were stored at the Site for one year or more in excess of their corresponding RQs.

The 1998 Historical Architectural Report contained a map dated August 28, 1989 that showed a "1 - Vehicle Wash Rack with Oil/Water Separator" on the north side of the MEP within the OMS fenced area. The OMS was labeled as a "Supply Warehouse" on the same figure. A yard hydrant/hose bib and associated bollard were observed in this area during the Site reconnaissance; however, the area was a grass lawn and there were no signs of the former VWR or OWS. USAR personnel provided general information about the VWR and associated OWS via interview. The OWS was reported to be a "rectangular shaped structure," approximately 4 feet wide by 6 feet long and 2 feet deep; contained baffles to separate, collect, and hold oil and grease; and did not have a separate tank to store oil and grease. Oil accumulated in the OWS was cleaned out manually. Water from the OWS discharged directly to the sanitary sewer. The OWS was not required to be registered with the state of Oklahoma when it was operational.

The VWR and OWS were removed by a contractor in 1993 (Work Order # 2P00-23P - Project # 2P00023P). The contract required that all contaminated soils in and around the OWS "be removed and fresh fill materials placed, compacted and revegetated." USAR personnel could not locate a closure report, but stated that the cleanup was completed in accordance with the contract requirements and environmental regulations applicable at that time. If contaminated soil was encountered during the removal work, it reportedly would have been removed; however, there is no record that contaminated soil was encountered. According to USAR personnel, this type of removal work did not require a closure report because the OWS was not registered.

### **3.3.2 Past Disposal and Release of Hazardous Substances**

Information related to past disposal and release of hazardous substances at the Site was compiled through review of available Site records, search of federal and state environmental databases, and interviews with USAR personnel. According to USAR personnel and Site records, there is no evidence that hazardous substances above RQs were released or disposed at the Site. No stained soil or stressed vegetation was observed during the visual reconnaissance. Additionally, the MEP and POV parking areas did not show any signs of staining, and no noxious or foul odors were noted during the visual reconnaissance.

### **3.4 PAST BULK PETROLEUM STORAGE TANKS**

Based upon a review of available Site records, a search of federal and state environmental databases, and interviews with USAR personnel, it does not appear that bulk petroleum aboveground storage tanks (ASTs) and/or underground storage tanks (USTs) were previously located on the Site.

### **3.5 REVIEW OF PREVIOUS ENVIRONMENTAL REPORTS**

A review of Site records produced several reports pertaining to the Site. The following subsections provide a brief summary of these reports. Copies of the reports, unless otherwise specified, are provided in Appendix D. Only pertinent sections of reports that addressed multiple sites are presented in Appendix D.

#### **3.5.1 Environmental Baseline Survey**

An Environmental Baseline Survey (EBS) was completed in 2004 for the Site for the USAR, 90<sup>th</sup> Regional Readiness Command (RRC). Environmental, Compliance & Construction, Inc. (ECCI) issued an *Environmental Baseline Survey for Disposal of Donald A. Roush United States Army Reserve Center* in November 2004. The EBS provides summary and general information about the Site. In accordance with the ASTM Standard D 5746-98 for "*Standard Classification of Environmental Condition of Property Area Types for Defense Base Closure and Realignment Facilities*", ECCI classified the Site as an ECP Area Type 1 Property.

#### **3.5.2 Architectural Assessment**

Parsons Engineering Science, Inc. (Parsons) performed a *Historic Architectural Resources Assessment of the 90<sup>th</sup> Regional Support Command Facilities in Oklahoma* for the Department of the Army, 90<sup>th</sup> RRC, Office of the Engineer. The findings of the assessment were compiled in a report issued February 1998. The report concluded that the buildings on the Site were not eligible for placement on the National Registry of Historic Places because they did not meet the 50-year age criteria and they did not appear to possess exceptional historical importance. No further architectural surveys were recommended for this Site until 2011. The Oklahoma State Historic Preservation Officer concurred with the

report recommendations in a letter dated February 2, 1998. A copy of the letter is included with applicable pages from the report in Appendix D of this ECP Report.

### 3.5.3 Lead-Based Paint

ETC Engineers, Inc. of Little Rock, Arkansas, performed a LBP survey of the USAR Center for the USACE Little Rock District. The results were summarized in a *Report of Findings, Lead-Based Paint and Ozone Depleting Chemicals Assessment and Management, Roush USARC, Clinton, Oklahoma*, issued January 1994. The report stated that the date of construction for the USAR Center buildings was 1960, an addition occurred in 1961, and a new roof was added in 1992.

The report stated that LBP was detected at nine locations in the USAR Center, including door jambs, pipe bollard, edge guard, grease rack, and walls.

### 3.5.4 Radon

Per a memo on September 28, 1993, the Department of the Army, Headquarters 122D USAR Command issued copies of radon screening results as of January 13, 1993, for the USAR Center. The radon screening tests were performed at six locations in the Training Building. All results were "1.0 or less" picocuries per liter (pCi/L).

### 3.5.5 Asbestos

Two asbestos surveys and inspections were performed at the USAR Center. The first asbestos survey reported that non-friable and friable asbestos-containing material (ACM) were detected on the Site as of January 22, 1993. The positive asbestos analytical results from that survey are summarized in Table 2.

<b>Table 2</b>				
<b>SUMMARY OF POSITIVE RESULTS FROM 1993 ASBESTOS PROJECT SURVEY</b>				
<b>Building</b>	<b>Location</b>	<b>Material</b>	<b>ACM Type</b>	<b>Quantity (in square feet)</b>
Training Building	West Classroom	Floor tile	non-friable	5,043
Training Building	West Classroom	Mastic	non-friable	5,043
Training Building	Above ceiling in west end hall and center hall	MJP insulation above ceiling	friable	43
Supply Building (assumed to be OMS)	Vibration joint	Vibration joint	friable	4

An asbestos inspection was performed at the USAR Center in February 1997 by the Environmental Section of the 90<sup>th</sup> RRC, USAR in Little Rock, Arkansas. The results were

summarized in *Asbestos Building Inspection, Donald A. Roush U.S. Army Reserve Center, Clinton, Oklahoma*, issued February 1997. As part of the inspection, eight samples were collected for asbestos analysis. A sample of the floor tile mastic in the west classroom tested positive for asbestos. The report stated that the non-friable floor tile mastic “may be disturbed during demolition projects and removal could become necessary to prevent asbestos exposure” and “Two flexible duct connectors found in the maintenance shop were assumed to be asbestos.” The report stated that these connectors could be damaged “due to the moderate potential for air erosion.” The report also stated that “the maintenance shop is seldom occupied.” The term “maintenance shop” in the reports has been interpreted to be the OMS for the purposes of this ECP Report.

According to interviews with USAR personnel, ACM within the USAR Center was removed. The work was performed between 1998 and 2000. USAR personnel were not able to locate specific documentation or reports describing the work and/or when it was performed.

### **3.5.6 Threatened and Endangered Species**

Parsons performed an investigation and issued a *Final Phase 2 Threatened and Endangered Species Habitat Analysis of the 90<sup>th</sup> Regional Readiness Command (RRC) Facilities* for the Department of the Army, 90<sup>th</sup> RRC in August 2005. The Phase 2 analysis was performed on the USAR Center due to a recorded observation of the Texas Horned Lizard in 1995. The report listed the following federal and state-listed threatened and endangered species in Custer County:

- American Peregrine Falcon (*Falco peregrinus anatum*)
- Bald eagle (*Haliaeetus leucocephalus*)
- Black-Tailed Prairie Dog (*Cynomys ludovicianus*)
- Interior least tern (*Sterna Antillarum*)
- Whooping Crane (*Grus americana*)
- Texas Horned Lizard (*Phrynosoma cornutum*)

The Texas Horned Lizard is a state-listed species; all of the others are contained in both state and federal lists. The report concluded that the Donald A. Roush USAR Center did not contain habitat for threatened and endangered species, including the Texas Horned Lizard.

### **3.5.7 Cultural Resources**

Parsons performed an assessment and prepared a *Management Summary, Cultural Resources Assessment of 90<sup>th</sup> Regional Support Command, Facilities in Arkansas, Louisiana, New Mexico, Oklahoma and Texas* for the Department of the Army, 90<sup>th</sup> RRC. The assessments were compiled and issued in February 1998. The assessments concluded that there were no architectural or archeological issues at the Donald A. Roush USAR Site. The Site has a “low” archeological potential and is not eligible for the National Registry of Historical Places. The Oklahoma State Historic Preservation Officer concurred

with the report recommendations in a letter dated February 2, 1998. The Oklahoma State Archeologist concurred with the recommendations in the draft report for the USAR Center in a letter dated July 14, 1997.

### **3.5.8 Polychlorinated Biphenyls**

The U.S. Army Center for Health Promotion and Preventive Medicine (USACHPPM) performed *Polychlorinated Biphenyls (PCB) Assessment No. 37-08-5615-97* for the 90<sup>th</sup> RRC facilities in Arkansas, Louisiana, Oklahoma, New Mexico, and Texas. The assessments were compiled and issued on September 30, 1997. The assessment addressed the two pole-mounted transformers west of the Site on the west side of 18<sup>th</sup> Street (Appendix B, Photograph 18) and fluorescent lighting in the Training Building. The transformers were reported to be owned by PSCO; their manufacturer and age were listed as unknown. The PCB status of one of the transformers was reported to be "Non-PCB," and the PCB status of the other one was reported as "Unknown." The transformer identified as Non-PCB was listed in "Fair" condition with "some rust." The transformer with unknown PCB status was listed in "Good" condition with "no leaks." The fluorescent lighting fixtures in the USAR Center were identified as "Non-PCB ballast" in the USACHPPM report.

## 4.0 ADJACENT PROPERTIES

Figure 11 in Appendix A provides a 2006 aerial view of the Site and adjacent properties. The Site is bounded by Opal Street to the north, 18<sup>th</sup> Street to the west, and Jaycee Lane to the south. The backyards of multiple single-family houses are adjacent to the Site on the east. The Site is located in a primarily residential area. Clinton High School is on the south side of Jaycee Lane; the campus includes the high school, the Tornado Dome (an indoor arena), athletic fields, and parking lots. Table 3 provides a list of adjacent properties with their directional location from the Site and zoning. Photographs 27 through 32 in Appendix B present views of adjacent properties and surrounding land use.

<b>Table 3 LIST OF ADJACENT PROPERTIES</b>			
<b>Direction From Site</b>	<b>Name/Type of Property</b>	<b>Addresses</b>	<b>Zoning</b>
North	Residential property on the north side of Opal Street. Primarily single family, some multifamily to the northeast.	1600 and 1700 blocks of Opal Street	Primarily R-1, Single-Family Residential, some R-3 Multifamily Residential
West	Residential property on the west side of 18th Street. Single Family.	700 block of 18th Street	R-1, Single-Family Residential
South	Clinton High School	Jaycee Lane and Corbin Lane	R-1, Single-Family Residential
East	Residential property on the west side of 18th Street. Single Family	Philips Lane, Park Avenue, Opal Street, and Gholson Avenue	R-1, Single-Family Residential

Appendix A provides historical aerial photographs and topographic maps. Appendix E presents an environmental data report that was used to evaluate potential environmental impacts from adjacent and nearby properties that may have also impacted the environmental conditions at the Site. Land use at the adjacent properties does not appear to have changed significantly over the years and does not appear to have impacted the environmental conditions of the USAR Center.

## **5.0 REVIEW OF REGULATORY INFORMATION**

A component of the ECP is the review of all reasonably obtainable federal, state, and local government records for the Site and surrounding properties where there has been a release or likely release of any hazardous substance or petroleum product that are likely to cause a release or threatened release of any hazardous substance or petroleum product on the federal real property. An environmental database summary was acquired from EDR on July 13, 2006. The environmental database summary consolidates standard federal, state, local, and tribal environmental record sources based on ASTM D 6008-recommended minimum search distances from the Site. A copy of the complete environmental database report is included in Appendix E.

There were no environmental permits issued for the Site; therefore, there were no permit applications or associated permit documentation available for review. There were no known contamination events on the Site that required an environmental cleanup; therefore, the Site did not participate in the Installation Restoration Program, Military Munitions Response Program, or a Compliance Cleanup program.

TEJV interviewed local authorities and reviewed reasonably accessible USAR environmental documents, Oklahoma Corporation Commission (OCC) files, City of Clinton records, and historical aerial photographs and maps to investigate environmental conditions at the Site and surrounding area. Available information on and the potential impact of environmental conditions on the Site were each assessed.

TEJV conducted multiple interviews with relevant personnel to discuss general environmental interest and specific areas of interest identified during the records review and visual reconnaissance. Copies of the interview reports are included in Appendix D; Section 9.0 of this report identifies the individuals interviewed with respect to conditions and operations at the Site and the information from those interviews incorporated into this report.

### **5.1 FEDERAL ENVIRONMENTAL RECORDS**

#### **5.1.1 Federal National Priorities List Sites within One Mile**

The National Priorities List (NPL) is a subset of the CERCLA Information System (CERCLIS) and identifies over 1,200 sites for priority cleanup under the Superfund Program. According to the environmental database search, the USAR Center is not a listed NPL site, and no other NPL sites were located within one mile of the Site.

#### **5.1.2 Federal CERCLA Information System Sites within One-Half Mile**

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies, and private persons, pursuant to

Section 103 of CERCLA. CERCLIS contains sites that are either proposed to be or are on the NPL, and sites that are in the screening and assessment phase for possible inclusion on the NPL. According to the environmental database report, the USAR Center is not a CERCLIS site and there are no CERCLIS sites located within one-half mile of the Site.

#### **5.1.3 Federal CERCLIS No Further Remedial Action Planned Sites within One-Half Mile**

CERCLIS No Further Remedial Action Planned (NFRAP) sites have been removed and archived from CERCLIS. NFRAP status indicates that, to the best of USEPA's knowledge, assessment at a site has been completed and that no further steps will be taken to list this site on the NPL unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with the site; it means that, based on available information, the location is not judged to be a potential NPL site. According to the environmental database report, the USAR Center is not a CERCLIS NFRAP site and there are no CERCLIS NFRAP sites located within one-half mile of the Site.

#### **5.1.4 Resource Conservation and Recovery Act Corrective Action Sites within One Mile**

Resource Conservation and Recovery Act (RCRA) corrective action sites (CORRACTS) represent facilities that have generated or managed hazardous wastes and require corrective action. According to the environmental database report, the USAR Center is not a CORRACTS. No CORRACTS were identified within one mile of the Site.

#### **5.1.5 RCRA Transport, Treatment, Storage, and/or Disposal Facilities within One-Half Mile**

The RCRA Information Database (RCRAInfo) includes selective information on sites that generate, transport, and treat, store, and/or dispose (TSD) of hazardous waste as defined by RCRA. According to the environmental database report, the USAR Center is not a RCRA TSD site and there are no such sites located within one-half mile.

#### **5.1.6 Federal RCRA Small- and Large-Quantity Generators List within One-Quarter Mile**

Conditionally exempt small-quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. RCRA small-quantity generators (SQGs) are defined as facilities generating between 100 kg and 1,000 kg of hazardous waste per month, while a large-quantity generator (LQG) is defined as a facility generating more than 1,000 kg of hazardous waste, or over 1 kg of acutely hazardous waste per month.

The Donald A. Roush USAR Center is listed as a CESQG on RCRAInfo. USAR personnel said that USAR centers generated small quantities of hazardous waste, such as used

fluorescent light bulbs, as part of their normal operation. They reported that all of the materials were properly managed and disposed; no records of violations were found during the ECP record review process.

No RCRA SQGs or LQGs are within one-quarter mile of the Site.

#### **5.1.7 Federal Emergency Response Notification System List**

The federal Emergency Response Notification System (ERNS) List provides information on reported releases of oil and hazardous substances. According to the environmental database report, the USAR Center is not a listed ERNS Site.

### **5.2 State and Local Environmental Records**

The regulatory information presented below was obtained from the environmental database search report. Supplemental information was also provided from research at the OCC.

#### **5.2.1 State Voluntary Cleanup and Superfund Site Status Reports within One Mile**

There are no State Voluntary Cleanup and Superfund Sites within one mile of the USAR Center.

#### **5.2.2 State-Registered Solid Waste Facilities within One-Half Mile**

According to the environmental database report, no solid waste landfills, incinerators, or transfer stations are located within one-half mile of the USAR Center. There is no solid waste landfill, incinerator, or transfer station on the Site.

#### **5.2.3 State-Registered Leaking UST Sites within One-Half Mile**

According to the environmental database report, four leaking UST (LUST) sites were identified within one-half mile of the USAR Center. Table 4 lists the sites along with their addresses and elevations relative to the Site. The Site itself is not listed in the state LUST database.

TEJV researched and reviewed files in the OCC and visually observed each site in the field. As shown in Table 4, all four LUST sites have received closure approval from the OCC, indicating that no further remedial action is required and that residual petroleum contamination does not pose a risk to human health or the environment. These LUST sites are not considered to be a potential environmental risk to the Site due to their location and current closed status. OCC documentation for these sites is in Appendix D.

<b>Table 4 LEAKING UNDERGROUND STORAGE TANK SITES</b>				
<b>Site Name/ OCC Facility No.</b>	<b>Address</b>	<b>Distance and Direction from Site</b>	<b>Status</b>	<b>Elevation Relation to Site</b>
Clinton Coca-Cola #2007085	2310 Corbin Lane Clinton, OK	Approximately 2,000 feet west-southwest of Site, on west side of Gary Boulevard	Closure approved via OCC letter on March 8, 1994	Lower
Classic Car Care (Old Texaco Station) #0-013154	2134 Gary Boulevard Clinton, OK	Approximately 1,300 feet west of Site	See Abandoned Station #2009122	Lower
Abandoned Station (Texaco Station) #2009122	2140 Gary Boulevard Clinton, OK	Approximately 1,300 feet west of Site	Final Closure Report approved by OCC February 27, 2003. Currently a Subway store.	Lower
Paul's 66 #2009935	I-40/Neptune Road Clinton, OK	Approximately 3,000 feet south-southeast of Site	Closure approved via OCC Letter on December 11, 2003	Lower

#### **5.2.4 State-Registered UST Sites within One-Quarter Mile**

USTs are regulated under RCRA Subtitle I and must be registered with the state department responsible for administering the UST program. The environmental database report identified four UST sites in the OCC UST database within one-quarter mile of the Site. Table 5 lists the sites along with their address and elevation relative to the Site. The USAR Center itself is not listed in the OCC UST database. These UST sites are all inactive and are not considered to be a potential environmental risk to the Site due to their location and current closed status.

<b>Table 5</b>				
<b>UNDERGROUND STORAGE TANK AND HISTORICAL UNDERGROUND STORAGE TANK SITES</b>				
<b>Company/Site</b>	<b>Address</b>	<b>Distance and Direction from Site</b>	<b>Status</b>	<b>Elevation Relation to Site</b>
Clinton Coca-Cola #2007085	2310 Corbin Lane Clinton, OK	Approximately 2,000 feet west-southwest of Site, west of Gary Blvd	Closure approved via OCC Letter on March 8, 1994	Lower
Clinton Public School #20001439	2130 Gary Freeway Clinton, OK	Approximately 1,300 feet south of Site	Permanently out of use. Closure approved via OCC Letter on May 17, 1999	Lower
Texaco Station #2009122	2134 Gary Blvd Clinton, OK	Approximately 1,300 feet west of Site	Final Closure Report approved by OCC February 27, 2003. Same site as Abandoned Station in LUST section. Currently a Subway Store on site.	Lower
Classic Car Care (Old Texaco Station) # 0-013154	2134 Gary Blvd Clinton, OK	Approximately 1,300 feet west of Site	See Texaco Station #2009122.	Lower

### **5.2.5 State-Registered UST Sites, List II Version within One-Quarter Mile**

The UST Sites, List II Version, includes historical UST sites and information through March 2003 from OCC. The environmental database report identified four historical UST sites within one-quarter mile of the Site. The List II Version historical sites are presented on Table 5; they are the same sites listed in the UST database.

### **5.2.6 State-Registered Leaking AST Sites within One-Half Mile**

According to the environmental database report there are no state-registered leaking ASTs within one-half mile of the USAR Center.

### **5.2.7 State-Registered AST Sites within One-Quarter Mile**

According to the environmental database report there are no state-registered ASTs within one-quarter mile of the USAR Center.

### **5.2.8 State-Registered Sites with Institutional Controls within One-Half Mile**

Institutional controls include administrative procedures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining onsite. According to the environmental database report, no state-registered sites with Institutional Controls are located within one-half mile of the USAR Center.

### **5.2.9 Voluntary Action Program Sites within One-Half Mile**

Brownfields sites are included on the Superfund Voluntary Cleanup, Oversight, and Assistance Program listing. According to the environmental database report, no state-registered Voluntary Action Program Sites are located within one-half mile of the USAR Center.

### **5.2.10 State-Registered Dry-Cleaning Facilities within One-Quarter Mile**

According to the environmental database report, there are no state-registered Dry-Cleaning Facilities within one-quarter mile of the USAR Center.

### **5.2.11 State Brownfields Program Sites within One-Half Mile**

Included in the state brownfields program listing are brownfields properties addressed by Cooperative Agreement Recipients and brownfields properties targeted by Targeted Brownfields Assessments. According to the environmental database report, no state-registered Brownfield Program Sites are located within one-half mile of the USAR Center.

## **5.3 TRIBAL ENVIRONMENTAL RECORDS**

According to the environmental database report, no designated Indian Reservations are located within one mile of the USAR Center.

## **5.4 UNMAPPED SITES**

The environmental database search yielded 29 unmapped sites. Unmapped sites are those with insufficient address information such that they can only be identified within the zip code of the target Site. The TEJV identified and/or estimated the location of each site and none of them were determined to be within the corresponding ASTM D 6008-recommended minimum search distances for the databases on which they were listed.

## **5.5 SUMMARY OF PROPERTIES EVALUATED TO DETERMINE RISK TO SITE**

During review of environmental information summarized in Section 5, multiple databases and sites were reviewed to evaluate potential risks to the Site. Based on an evaluation of available information and details concerning the identified sites, no "High Risk" sites were identified in the area of the Site. "High Risk" properties are those that exhibit significant environmental conditions that have the probability of adversely affecting the environmental conditions at another site.

## **6.0 SITE INVESTIGATION AND REVIEW OF HAZARDS**

Findings documented in the following subsections are based on the July 25 and 26, and August 23, 2006, visual reconnaissance, review of available Site records, and information obtained from USAR personnel.

### **6.1 USTs AND ASTs**

Based on observations and interviews with USAR personnel, no petroleum USTs or ASTs are currently located at the Site.

### **6.2 INVENTORY OF CHEMICALS/HAZARDOUS SUBSTANCES**

During the July 25 and 26, 2006, visual reconnaissance, there was no evidence that hazardous substances above RQs were stored for one year or more, released, or disposed at the Site. The OMS was virtually empty and contained an unused drum overpack. As shown on Photograph 24 in Appendix B, some absorbent material and what appeared to be remnants of the bags that previously contained the absorbent material was observed on the floor of the old hazmat shed. No chemicals were observed in the shed. During the July 2006 visual reconnaissance, no materials were observed in the new hazmat shed; it appeared to have never been used as the shelves were not installed. The new hazmat shed was removed from the Site prior to the TEJV's August 23, 2006, visual reconnaissance.

### **6.3 WASTE DISPOSAL SITES**

No signs of landfills or illegal waste disposal activities were observed on the Site during the visual reconnaissance.

### **6.4 PITS, SUMPS, DRY WELLS, AND CATCH BASINS**

The Site is served by a sanitary sewer system from the City of Clinton. All wastewater generated within the buildings discharges to the sanitary sewer system. Training Building floor drains are located within the kitchen, mechanical room, and restrooms. There is a grease trap outside the kitchen; however the kitchen has not been used since the 1980s.

Storm water drains off the Site to storm drains on Opal Street to the north and Jaycee Lane to the south.

### **6.5 ASBESTOS-CONTAINING MATERIAL**

As described in Section 3.5.5, ACM previously identified in the USAR Center buildings was reportedly removed. TEJV was not provided with written documentation regarding removal of asbestos from the Site.

## **6.6 PCB-CONTAINING EQUIPMENT**

TEJV contacted the District Engineer of AEP-PSCO regarding two transformers on the Site and was told that both are non-PCB containing units. No visible leaks were observed in the transformers during the visual reconnaissance. As described in Section 3.5.8, there is no other known PCB-containing equipment on the Site.

## **6.7 LEAD-BASED PAINT**

As described in Section 3.5.3, LBP was detected on the Site during a 1994 assessment by ETC Engineers, Inc. During the July 2006 visual reconnaissance, the painted surfaces in both buildings appeared to be in good condition.

## **6.8 RADON**

The Site is in USEPA's Radon Zone 3, which has "Low Potential" for radon. The average short-term radon measurement that can be expected in a Zone 3 building, without the implementation of radon controls, is less than 2.0 pCi/L. The USEPA-recommended action level is 4.0 pCi/L.

The state radon database for Custer County, referenced in the environmental database report, lists the average indoor radon reading as 1.24 pCi/L. The federal database for zip code 73601 indicates that the average first floor living space radon reading is 1.214 pCi/L. This information is consistent with the actual readings previously described for the Site.

## **6.9 UNEXPLODED ORDNANCE**

No evidence was found during the visual reconnaissance or records review process of the past presence of munitions and explosives of concern.

## **6.10 RADIOACTIVE MATERIALS**

During the July 2006 visual reconnaissance and records review process, no indications were found of the past storage or release of radiological materials at the USAR Center.

## **7.0 REVIEW OF SPECIAL RESOURCES**

### **7.1 LAND USE**

The Site and surrounding area are zoned for residential use. The Site and most of the surrounding area are zoned for R-1, Single-Family Residential with some smaller specific areas in the vicinity zoned R-3, Multifamily Residential. Figure 11 in Appendix A provides a 2006 aerial photograph of the USAR Center and surrounding properties and depicts current land use. As shown in that figure, the areas west, north, and south of the Site are residential; the area south of the Site contains Clinton High School.

### **7.2 COASTAL ZONE MANAGEMENT**

There is no coastal zone management plan for Oklahoma.

### **7.3 WETLANDS**

The Site is upland and well drained. According to the U.S. Fish and Wildlife Service National Wetlands Inventory map, no jurisdictional wetland areas are identified on the Site, adjacent properties, or within the City of Clinton. The nearest wetland is located approximately 3,000 feet northwest of the Site. Figure 4 in Appendix A provides a map of wetlands in the area of the Site.

### **7.4 100-YEAR FLOOD PLAIN**

The (FEMA) Flood Hazard Area map indicates that the Site lies outside the 100-year flood plain. Figure 3 in Appendix A provides a map of the 100-year flood plain in the area of the Site. As shown on that figure, the Site is in flood Zone C, which FEMA defines as "areas of minimal flooding."

### **7.5 NATURAL RESOURCES**

As described in Section 3.5.6, the USAR Center does not contain habitat for threatened and endangered species. Except for potential incidental use by migrants, the threatened and endangered species are unlikely to occur at the Site.

### **7.6 CULTURAL RESOURCES**

As described in Section 3.5.7, a cultural resource assessment was performed for the Site. The conclusion was that there were no architectural or archaeological issues at the Donald A. Roush USAR Center. The Site has a "low" archaeological potential and is not eligible for the National Registry of Historical Places.

### **7.7 OTHER SPECIAL RESOURCES**

There are no other known resources that could affect the Site.

## 8.0 CONCLUSIONS

The TEJV, under contract to the USACE Louisville District, was authorized to prepare an ECP Report for the 4.75-acre Donald A. Roush (Facility ID OK007) USAR Center, located at 1720 Opal Street in Clinton, Custer County, Oklahoma. The USAR Center is currently vacant; the last unit to occupy the facility was the 818<sup>th</sup> Replacement Company. The Site contains a Training Building and an OMS. The Site primarily functioned as an administrative and educational facility when it operated as a USAR Center from 1960 to 2004.

Findings of this ECP are based on existing environmental information, including visual observations, Site records, and federal, state, and local database and file information related to the storage, release, treatment, or disposal of hazardous substances or petroleum products or derivatives on the property. The following present the findings related to areas evaluated during the ECP process.

- **Hazardous Substances.** Chemicals containing CERCLA hazardous substances would have historically been used and stored at the Site in amounts necessary to support limited unit-level vehicle maintenance and building maintenance activities. However, the quantities stored would not have exceeded 1,000 kg or the RQ of designated hazardous substances, or one kg of acutely hazardous waste. There is no evidence that the chemicals used or stored were improperly handled, released, or disposed at the Site.
- **USTs/ASTs.** No petroleum ASTs or USTs are currently on the Site, nor have ASTs or USTs reportedly ever been on the Site since the U.S. government's purchase of the property in 1958.
- **Vehicle Wash Rack.** A VWR with an OWS was previously located on the Site within the MEP fenced area near the OMS. According to USAR personnel, the VWR and OWS and contaminated soil (if any) were removed from the Site in 1993. The area is now covered in grass with no visible evidence of either the VWR or OWS.
- **Non-UST/AST Petroleum Storage.** Petroleum storage would have occurred in designated areas within the OMS and hazmat storage shed located in the OMS. There is no evidence that non-UST/AST petroleum products in excess of 55 gallons were stored for one year or more on the Site.
- **PCBs.** A PCB assessment was performed in 1997 on the nearby offsite electric transformers that feed the Site and the fluorescent lighting fixtures on the Site. Based on the assessment and contact with AEP-PSCO, the transformers were determined to be non-PCB containing. The fluorescent lighting fixtures were also identified as non-PCB units.

- **ACM.** Two asbestos surveys were performed on the Site: one in 1993 and one in 1997. The 1997 asbestos survey indicated that there was ACM and suspect ACM at the Site. According to interviews with USAR personnel, ACM within the USAR Center was removed. The work was performed between 1998 and 2000. USAR personnel were not able to locate specific documentation or reports describing the work and/or when it was performed.
- **LBP.** ETC Engineers, Inc. performed a LBP assessment of the USAR Center in 1994. The assessment documented materials/surfaces containing LBP. During the July 2006 visual reconnaissance, painted surfaces in the buildings were observed to be in good condition.
- **Radiological Materials.** No radiological materials were identified during the July 2006 visual reconnaissance or during interviews with USAR personnel. There is no evidence that radioactive material or sources were stored or released at the Site.
- **Radon.** In 1993, radon tests were performed at six locations in the Training Building. All results were 1.0 pCi/L or less. The Site is in the USEPA Radon Zone 3, which has "Low Potential" for radon. The USEPA-recommended action level is 4.0 pCi/L. Therefore, based on actual measurements and the general location of the Site, radon is not an environmental concern at the Site.
- **Munitions and Explosives.** No evidence was found during the July 2006 visual reconnaissance, interviews with USAR personnel, or during the review of records to indicate the presence of munitions and explosives of concern at the Site.
- **Nearby Properties.** Potential environmental sites of concern located within corresponding ASTM D 6008-recommended minimum search distances from the Site were evaluated. None of the properties evaluated are considered "High Risk." "High Risk" properties are those that exhibit environmental conditions that have the probability of adversely affecting the environmental conditions at the Site. Land use at the adjacent properties does not appear to have changed significantly since the USAR Center was built and does not appear to have impacted the environmental conditions of the USAR Center.

Areas of potential environmental concern were reviewed and the TEJV found no significant issues relating to the environmental condition of the Site. In accordance with DoD policy defining the classifications (See S.W. Goodman Memorandum dated October 21, 1996), the Site has been classified as Category 2. This classification does not include categorizing the property based on *de minimis* conditions that generally do not present material risk of harm to the public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

## 9.0 REFERENCES

### ***Persons Contacted***

- Mr. Grayson Bottom. City of Clinton, Clinton City Manager, Clinton, OK. (580) 323-0261. Meeting on July 26, 2006 and Telecommunication on August 7, 2006.
- Mr. Mike Galloway. Custer County Emergency Management Director, Arapaho, OK 580-323-4105
- Mr. Tommy D. Grizzle. 90<sup>th</sup> RRC, Army Installation Management, Engineering Support Branch, Fort Sill, OK 580-442-5966. Telecommunications on August 23 and 24, 2006
- Mr. Jerry Hughes. Environmental Scientist, Engineering & Environment, Inc. (USAR Contractor), Oklahoma City, OK. (405) 946-4967. Meeting on July 26, 2006, and Telecommunications on August 7 and 8, 2006.
- Mr. Greg McSpiritt. AEP-PSCO Engineer, 580-323-4411 ext 4. Telecommunication on August 8, 2006.
- Mr. Douglas Rose. U.S. Department of Agriculture, Custer County Farm Service Agency. (580) 323-0366. Meeting on July 26, 2006.
- Mr. Ed Wagner. 90<sup>th</sup> RRC. Area Facility Operational Specialist (AFOS) Oklahoma City, OK. (405) 948-1003. Telecommunications on August 23 and 24, 2006.

### ***Resources Consulted***

- Aerial Photographs dated 1940, 1955, 1995, and 2006 provided by Oklahoma Department of Libraries.
- City of Clinton, Zoning Map.
- Department of the Army, Headquarters 122D U.S. Army Reserve Command. *Memo with asbestos and radon data for Roush USARC*. September 28, 1993.
- ECCI. *Environmental Baseline Survey for Disposal of Donald A. Roush U.S. Army Reserve Center*. November 2004.
- Environmental Data Resources Inc. *The EDR Radius Map with GeoCheck, 440 Wheelers Farms Road, Milford, Connecticut 06461*. Inquiry No. 1714475.2s. July 13, 2006.

- ETC Engineers, Inc. *Report of Findings, Lead-Based Paint and Ozone Depleting Chemicals Assessment and Management, Roush USARC, Clinton, Oklahoma* for U.S. Army Corps of Engineers, Little Rock District. January 1994.
- Federal Emergency Management Agency. *Flood Insurance Rate Map, City of Clinton, Oklahoma, Custer County, Community Panel Number 400054 0005 D.* Map revised: April 3, 1987.
- NETR-Real Estate Research & Information, 2055 East Rio Salado Parkway, Tempe, Arizona, 85281 (chain of title). Project No. N06-4906. August 1, 2006.
- Oklahoma Corporation Commission, Petroleum Storage Tank Division. File reviews of UST and LUST sites.
- Parsons Engineering Science, Inc. *Management Summary, Cultural Resources Assessment of 90<sup>th</sup> Regional Support Command, Facilities in Arkansas, Louisiana, New Mexico, Oklahoma and Texas* (for Department of the Army, 90<sup>th</sup> RRC). February 1998.
- Parsons Engineering Science, Inc. *Historic Architectural Resources Assessment of the 90<sup>th</sup> Regional Support Command Facilities in Oklahoma.* February 1998.
- Parsons Engineering Science, Inc. *Final Phase 2 Threatened and Endangered Species Habitat Analysis of the 90<sup>th</sup> RRC Facilities* (for the Department of the Army, 90<sup>th</sup> RRC). August 2005.
- U.S. Army 90th RRC. *Asbestos Building Inspection, Donald A. Roush U.S. Army Reserve Center, Clinton, Oklahoma.* February 1997.
- U.S. Army Center for Health Promotion and Preventive Medicine. *Polychlorinated Biphenyls (PCB) Assessment No. 37-08-5615-97* (for 90<sup>th</sup> RRC). September 30, 1997.
- U.S. Fish & Wildlife Services, Branch of Habitat Assessment, *National Wetlands Inventory Wetlands Mapper.* <http://wetlandsfws.er.usgs.gov/wtlnds/launch.html>

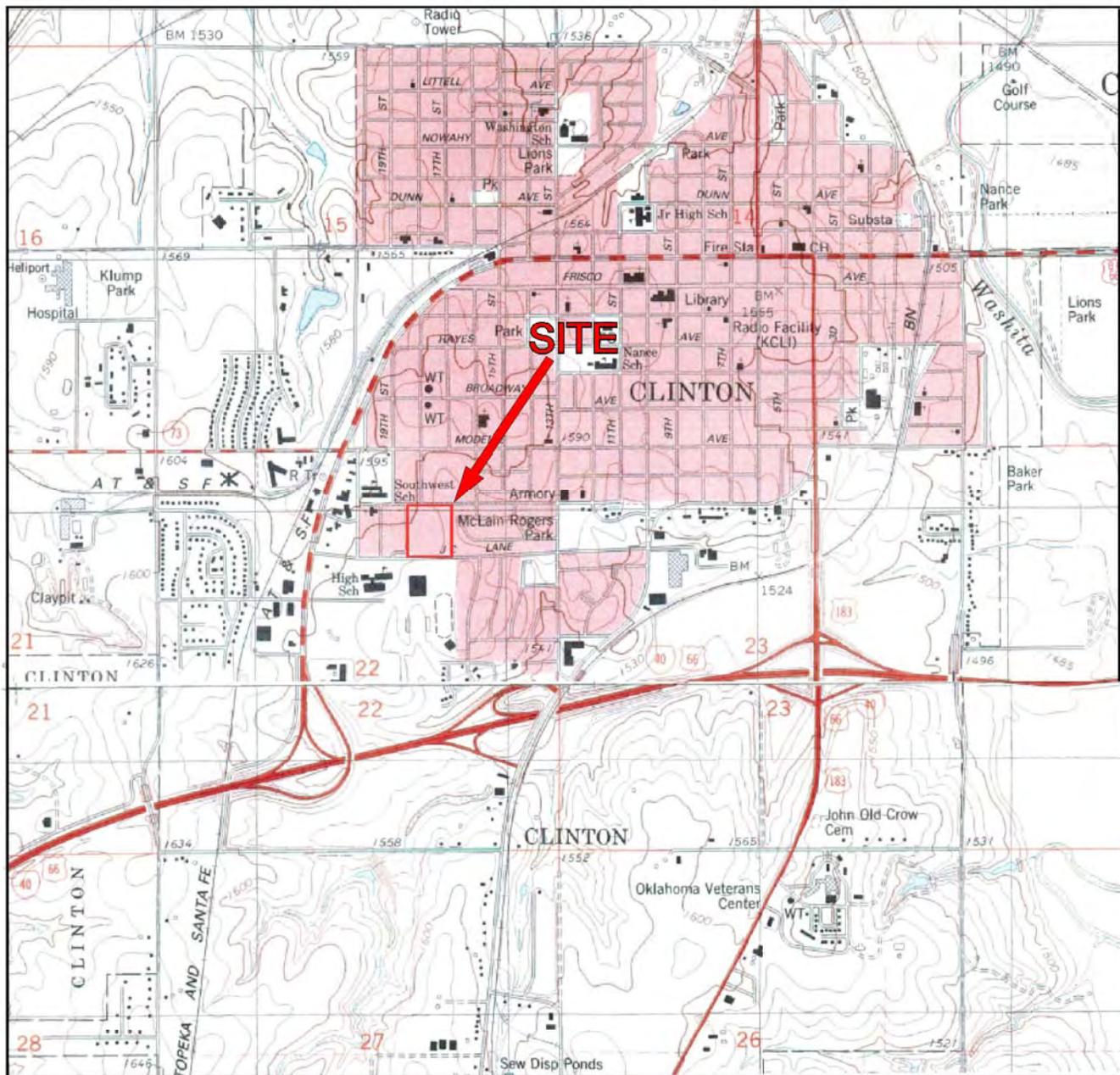
### **Agencies Contacted**

- Oklahoma Corporation Commission, Petroleum Storage Tank Division
- American Electric Power, Public Service Company of Oklahoma
- City of Clinton, Oklahoma
- Oklahoma Department of Libraries
- United States Fish and Wildlife Service, Department of Interior
- Federal Emergency Management Agency

**Appendix A**  
**Figures**

## FIGURES

- Figure 1 General Site Location Map
- Figure 2 Site Layout Plan
- Figure 3 Flood Plain Map
- Figure 4 Wetlands Map
- Figure 5 National Wetlands Inventory Map
- Figure 5 1956/1957 Topographic Map
- Figure 6 1983 Topographic Map
- Figure 7 1940 Aerial Photograph
- Figure 8 1955 Aerial Photograph
- Figure 9 1966 Aerial Photograph
- Figure 10 1995 Aerial Photograph
- Figure 11 2006 Aerial Photograph



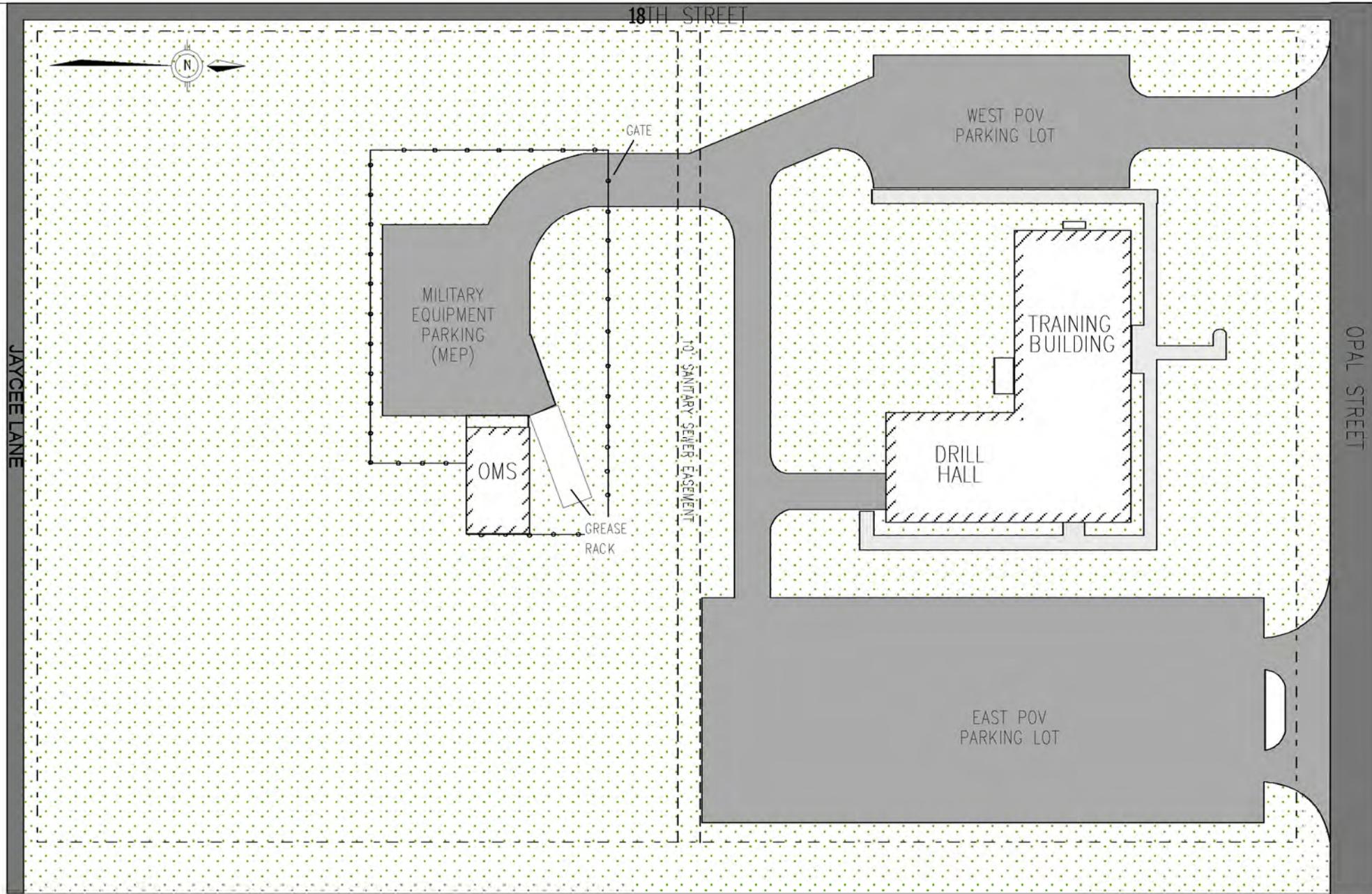
MAP SOURCE:  
 U.S.G.S. 7.5 MINUTE QUADRANGLE  
 BESSIE, OKLAHOMA 1983  
 CLINTON, OKLAHOMA 1983



FIGURE 1  
 GENERAL SITE LOCATION MAP  
 ENVIRONMENTAL CONDITION OF PROPERTY  
 DONALD A. ROUSH USARC  
 CLINTON, OKLAHOMA

REQUESTED BY:  
 DRAWN BY: WOLSKI  
 DWG DATE: 08/11/06  
 DWG NO:





LEGEND

-  BUILDING
-  GRASS
-  FENCE LINE
-  PARKING
-  SIDEWALK



SOURCE:  
MORSE CADD & SERVICES  
(DECEMBER 4, 2001)

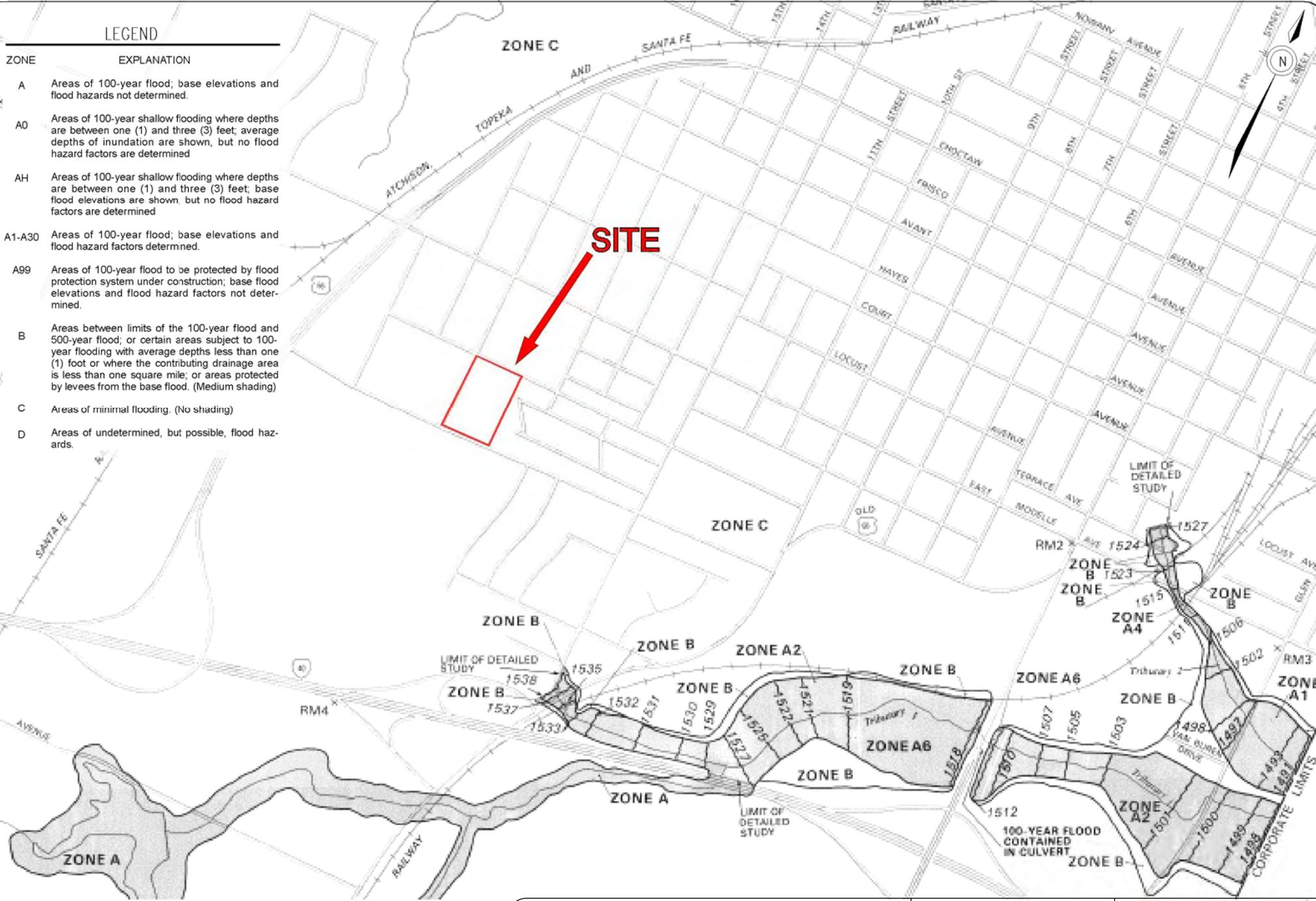
FIGURE 2  
SITE LAYOUT PLAN  
ENVIRONMENTAL CONDITION OF PROPERTY  
DONALD A. ROUSH USARC  
CLINTON, OKLAHOMA

REQUESTED BY:  
DRAWN BY: WOLSKI  
DWG DATE: 08/11/06  
DWG NO:



LEGEND

ZONE	EXPLANATION
A	Areas of 100-year flood; base elevations and flood hazards not determined.
A0	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; average depths of inundation are shown, but no flood hazard factors are determined
AH	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; base flood elevations are shown, but no flood hazard factors are determined
A1-A30	Areas of 100-year flood; base elevations and flood hazard factors determined.
A99	Areas of 100-year flood to be protected by flood protection system under construction; base flood elevations and flood hazard factors not determined.
B	Areas between limits of the 100-year flood and 500-year flood; or certain areas subject to 100-year flooding with average depths less than one (1) foot or where the contributing drainage area is less than one square mile; or areas protected by levees from the base flood. (Medium shading)
C	Areas of minimal flooding. (No shading)
D	Areas of undetermined, but possible, flood hazards.

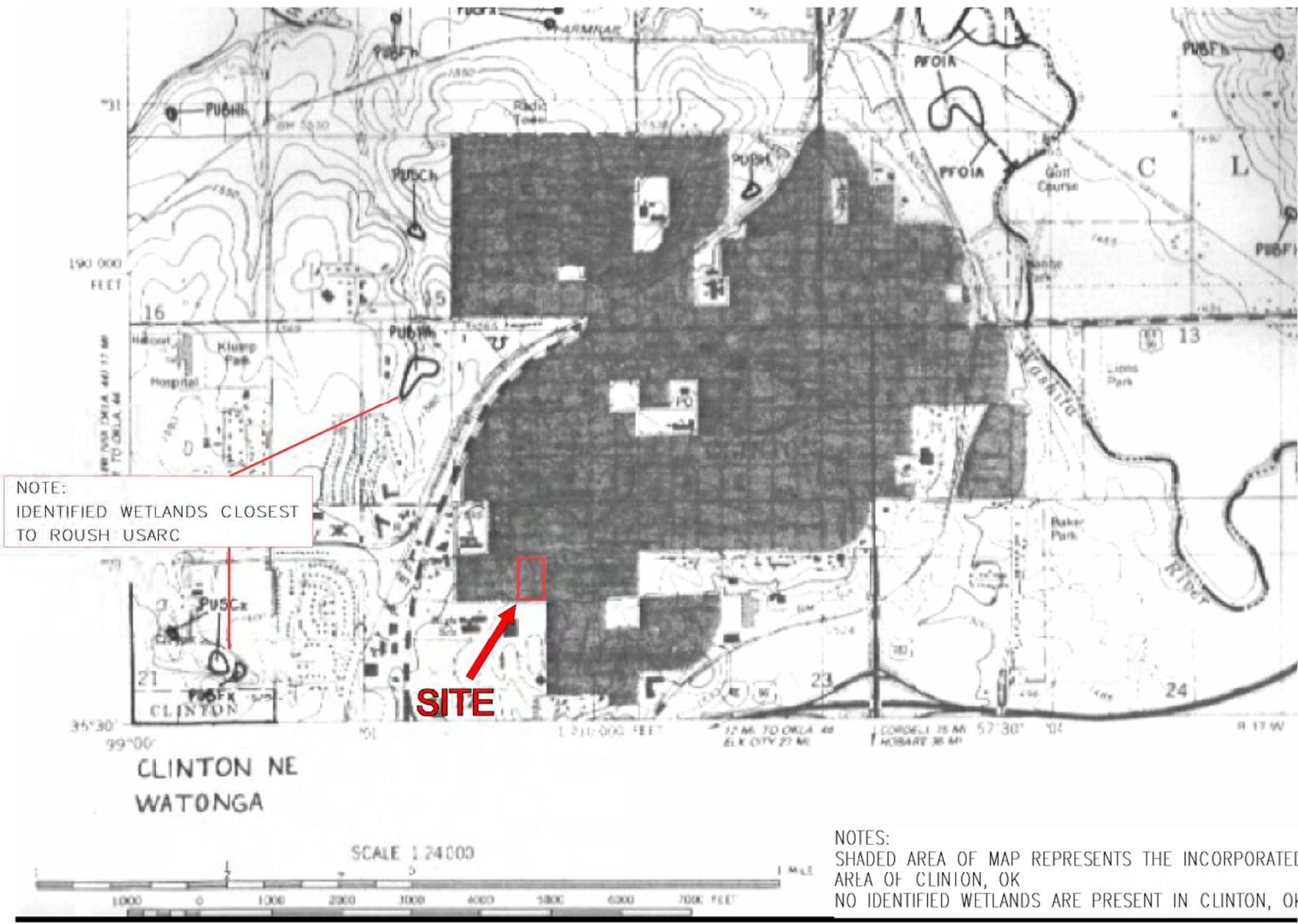


MAP SOURCE:  
FLOOD INSURANCE RATE MAP  
CITY OF CLINTON, CUSTER COUNTY, OK  
FEDERAL EMERGENCY MANAGEMENT AGENCY, 1987

FIGURE 3  
FLOOD PLAIN MAP  
ENVIRONMENTAL CONDITION OF PROPERTY  
DONALD A. ROUSH USARC  
CLINTON, OKLAHOMA

REQUESTED BY:  
DRAWN BY: WOLSKI  
DWG DATE: 08/11/06  
DWG NO:



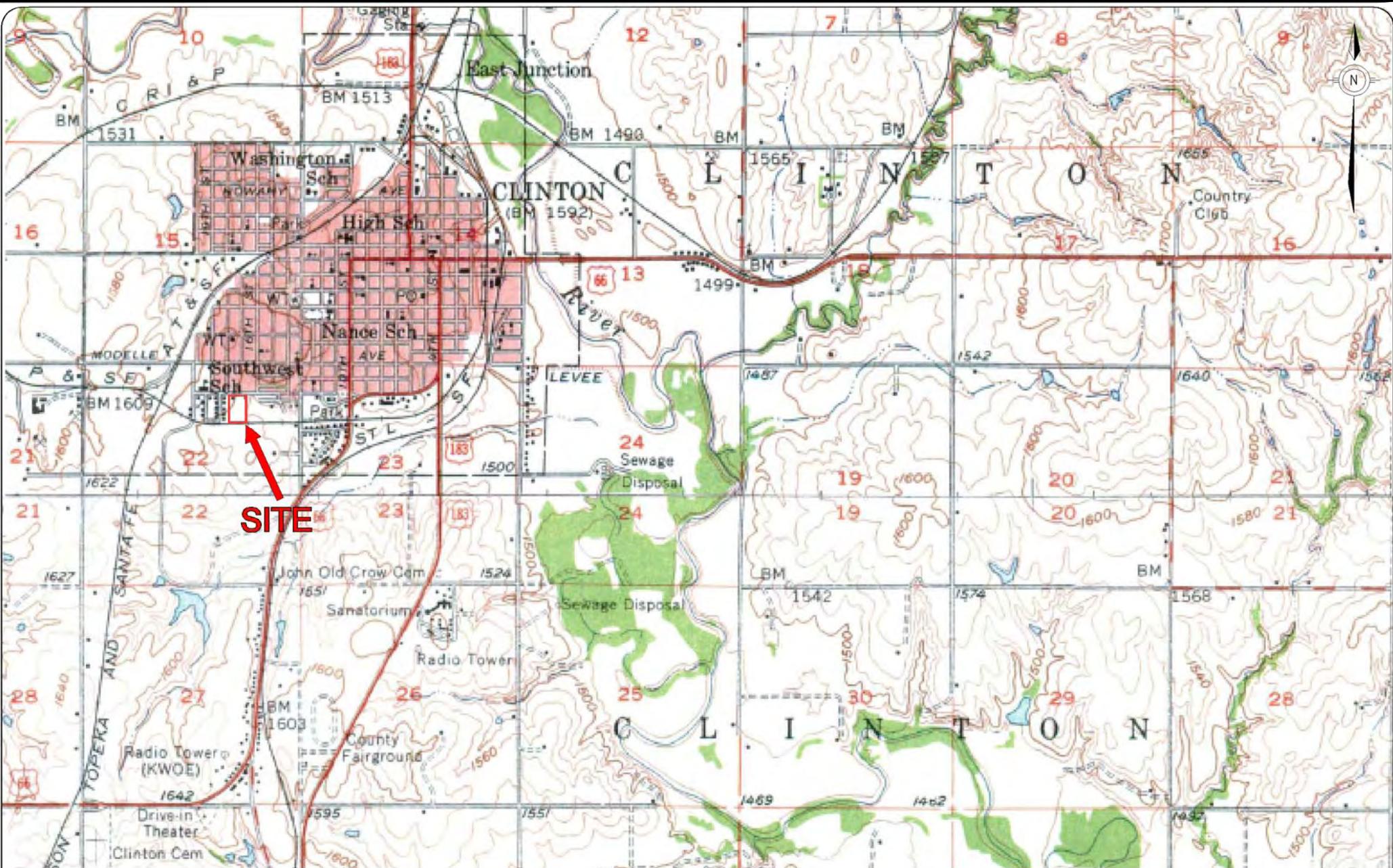


MAP SOURCE:  
NATIONAL WETLANDS INVENTORY MAP  
CLINTON, CUSTER COUNTY, OK  
US DEPT. OF INTERIOR, FISH AND WILDLIFE SERVICE, 1989  
MAPPING BY AERIAL PHOTOGRAPHY, 1981

FIGURE 4  
NATIONAL WETLANDS INVENTORY MAP  
ENVIRONMENTAL CONDITION OF PROPERTY  
DONALD A. ROUSH USARC  
CLINTON, OKLAHOMA

REQUESTED BY:  
DRAWN BY: WOLSKI  
DWG DATE: 08/11/06  
DWG NO:





**SITE**

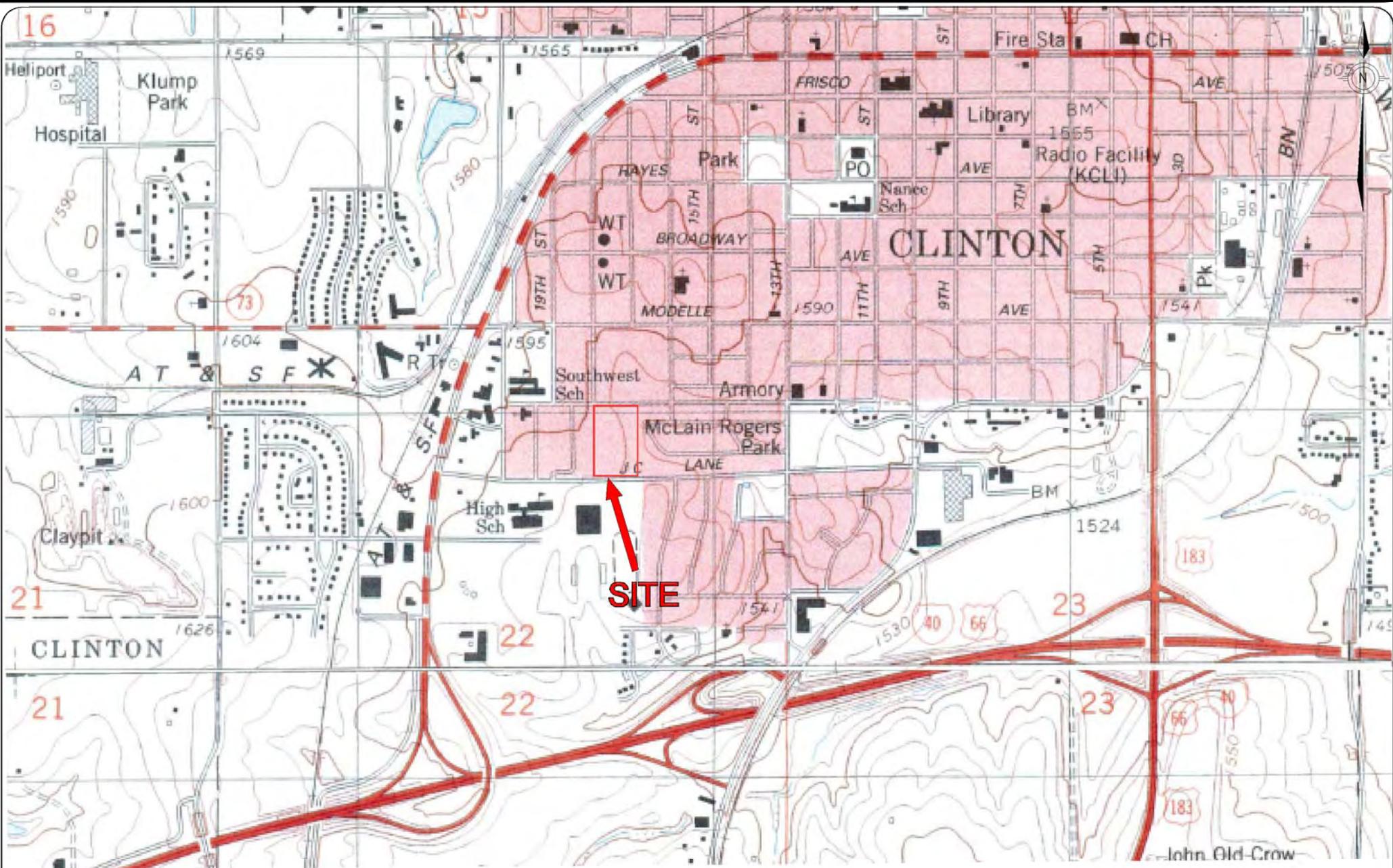


MAP SOURCE:  
U.S.G.S. 15 MINUTE QUADRANGLE  
BESSIE, OKLAHOMA 1956  
CLINTON, OKLAHOMA 1957

FIGURE 5  
1956/57 TOPOGRAPHIC MAP  
ENVIRONMENTAL CONDITION OF PROPERTY  
DONALD A. ROUSH USARC  
CLINTON, OKLAHOMA

REQUESTED BY:  
DRAWN BY: WOLSKI  
DWG DATE: 08/11/06  
DWG NO:



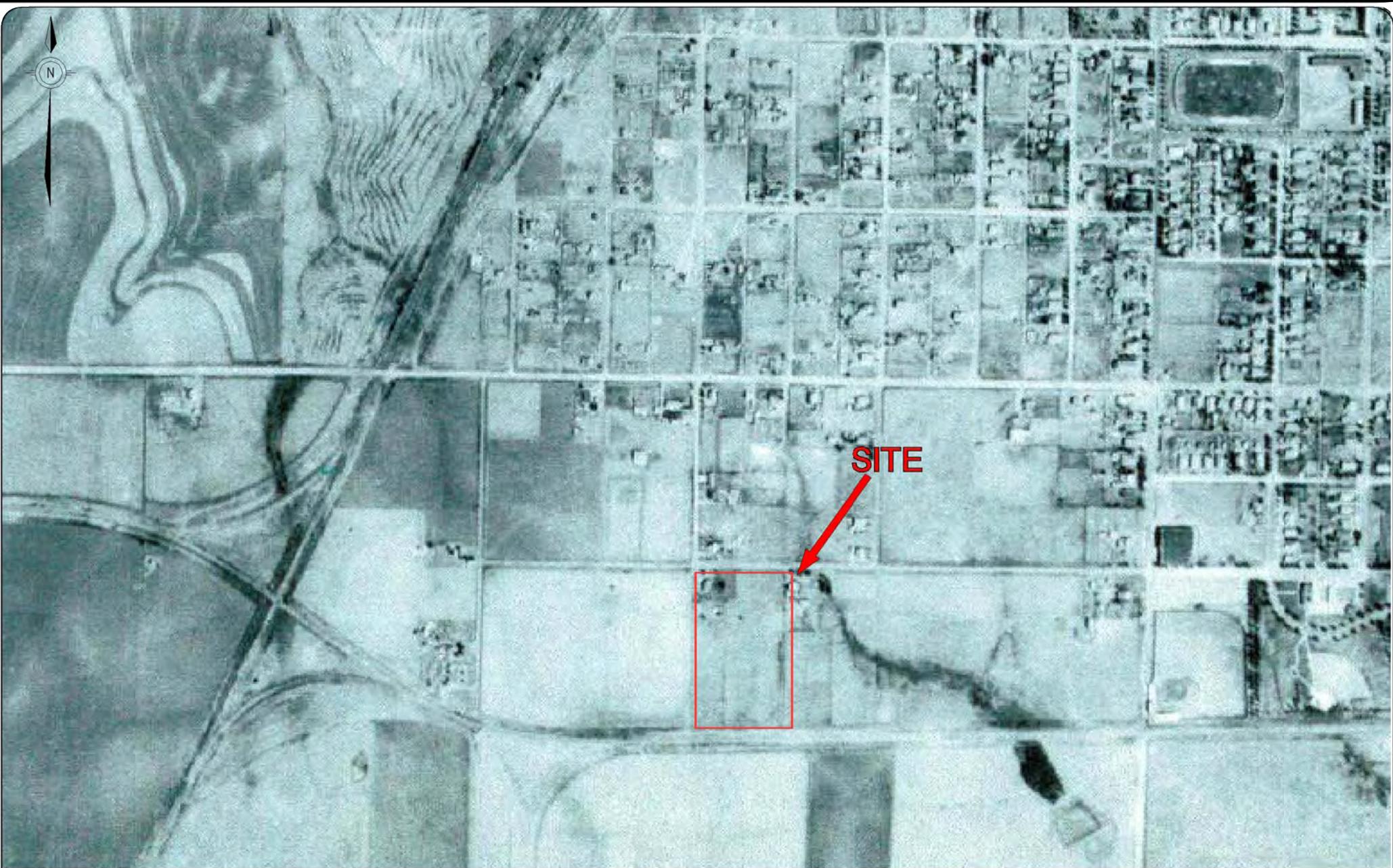


MAP SOURCE:  
U.S.G.S. 7.5 MINUTE QUADRANGLE  
BESSIE, OKLAHOMA 1983  
CLINTON, OKLAHOMA 1983

FIGURE 6  
1983 TOPOGRAPHIC MAP  
ENVIRONMENTAL CONDITION OF PROPERTY  
DONALD A. ROUSH USARC  
CLINTON, OKLAHOMA

REQUESTED BY:  
DRAWN BY: WOLSKI  
DWG DATE: 08/11/06  
DWG NO:





MAP SOURCE:  
OKLAHOMA DEPARTMENT OF LIBRARIES

FIGURE 7  
1940 AERIAL PHOTOGRAPH  
ENVIRONMENTAL CONDITION OF PROPERTY  
DONALD A. ROUSH USARC  
CLINTON, OKLAHOMA

REQUESTED BY:
DRAWN BY: WOLSKI
DWG DATE: 08/11/06
DWG NO:





MAP SOURCE:  
OKLAHOMA DEPARTMENT OF LIBRARIES

FIGURE 8  
1955 AERIAL PHOTOGRAPH  
ENVIRONMENTAL CONDITION OF PROPERTY  
DONALD A. ROUSH USARC  
CLINTON, OKLAHOMA

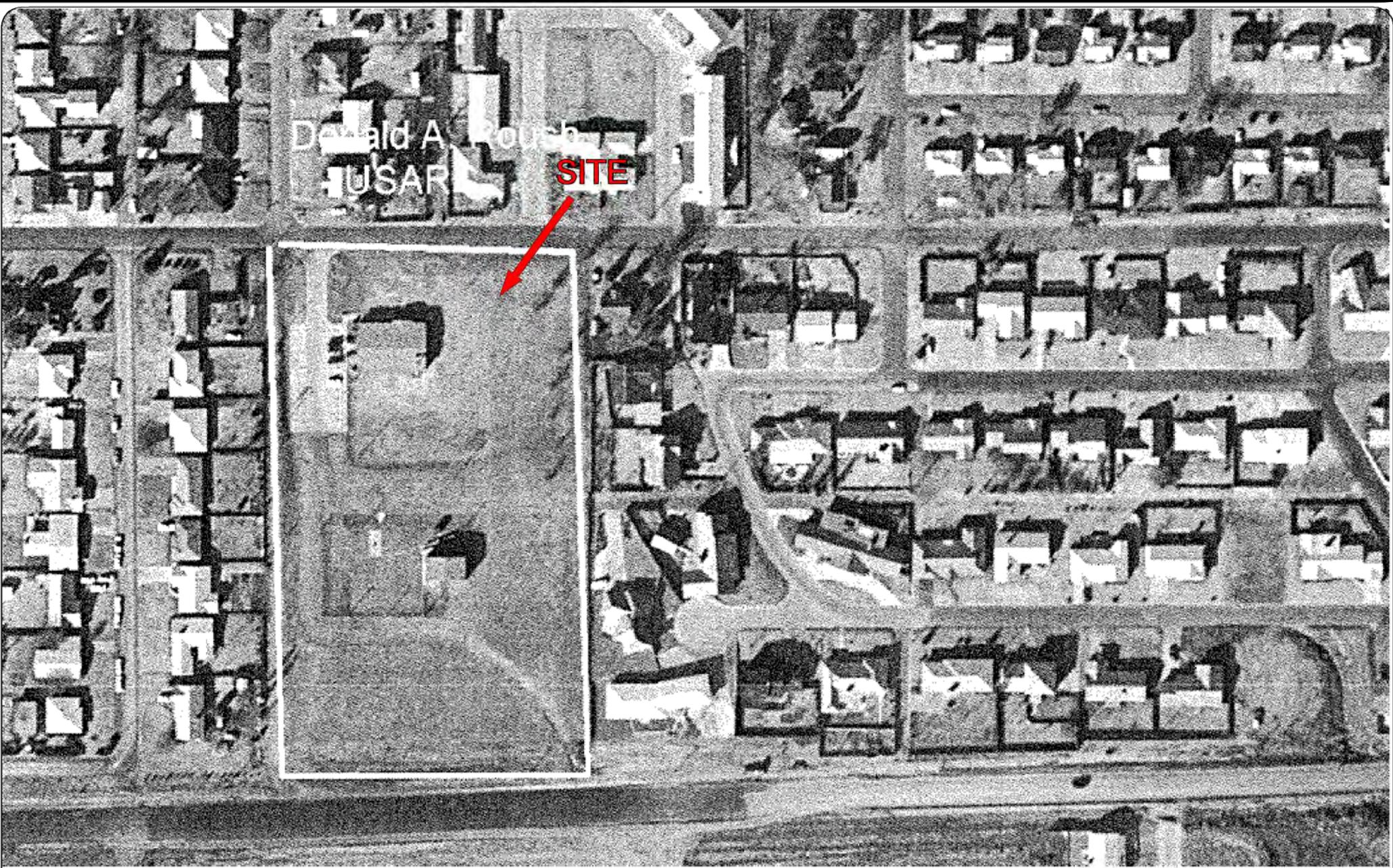
REQUESTED BY:

DRAWN BY: WOLSKI

DWG DATE: 08/11/06

DWG NO:





Donald A. Roush  
USAR

**SITE**

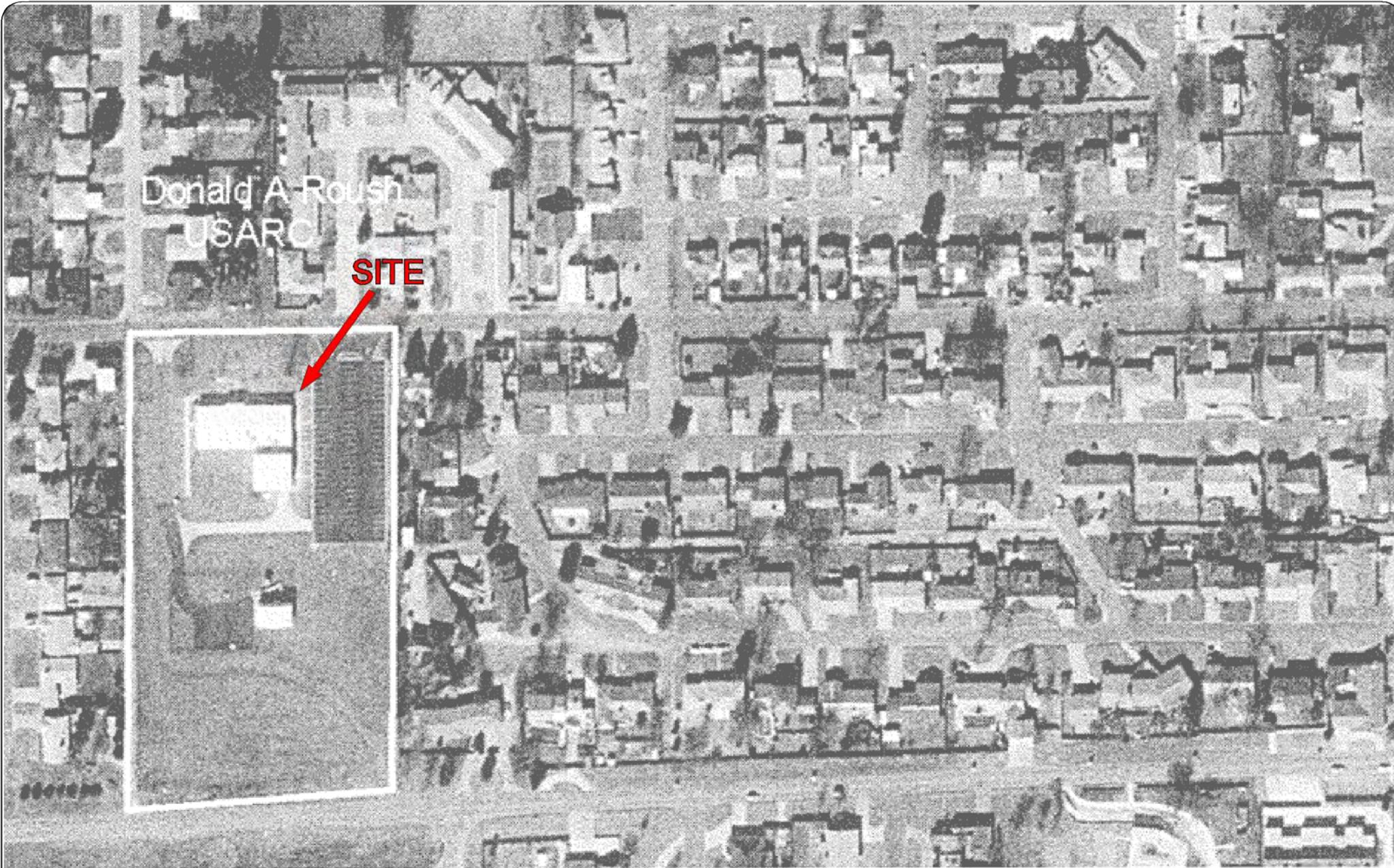


MAP SOURCE:  
90TH RRC, NOVEMBER 1966

FIGURE 9  
1966 AERIAL PHOTOGRAPH  
ENVIRONMENTAL CONDITION OF PROPERTY  
DONALD A. ROUSH USARC  
CLINTON, OKLAHOMA

REQUESTED BY:  
DRAWN BY: WOLSKI  
DWG DATE: 08/11/06  
DWG NO:





Donald A Roush  
USARC

**SITE**

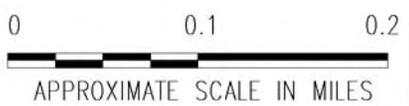


MAP SOURCE:  
90TH RRC, FEBRUARY 1995

FIGURE 10  
1995 AERIAL PHOTOGRAPH  
ENVIRONMENTAL CONDITION OF PROPERTY  
DONALD A. ROUSH USARC  
CLINTON, OKLAHOMA

REQUESTED BY:  
DRAWN BY: WOLSKI  
DWG DATE: 08/11/06  
DWG NO:





MAP SOURCE:  
OKLAHOMA DEPARTMENT OF LIBRARIES

FIGURE 11  
2006 AERIAL PHOTOGRAPH  
ENVIRONMENTAL CONDITION OF PROPERTY  
DONALD A. ROUSH USARC  
CLINTON, OKLAHOMA

REQUESTED BY:
DRAWN BY: WOLSKI
DWG DATE: 08/11/06
DWG NO:



**Appendix B**  
**Site Photographs**



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
803.jpg

Photo Number:  
1

Description: Donald A. Roush USARC at 1720 Opal Street in Clinton, Oklahoma.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
802.jpg

Photo Number:  
2

Description: Facing south from Opal Street at front (north side) of Training Building.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
801.jpg

Photo Number:  
3

Description: Facing east at west side of Training Building from west POV parking lot.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
799.jpg

Photo Number:  
4

Description: Facing north at back (south side) of Training Building toward the Drill Hall.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
794.jpg

Photo Number:  
5

Description: Facing west at east side of Training Building from east POV parking lot.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
795.jpg

Photo Number:  
6

Description: Facing southwest from east POV parking lot between OMS and Training Building, adjacent residential area west of Site in background.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
798.jpg

Photo Number:  
7

Description: Facing east at OMS and new hazmat shed.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
796.jpg

Photo Number:  
8

Description: Facing south from Drill Hall area to OMS, adjacent Clinton High School Campus south of Site in background.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
1358.jpg

Photo Number:  
9

Description: Facing north from lawn on south side of Site at OMS and Training Building Drill Hall.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
1356.jpg

Photo Number:  
10

Description: Facing north-northwest from lawn on south side of Site. MEP fenced area on right side of photo, and 18th Street on west side of Site on left side of photo.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
806.jpg

Photo Number:  
11

Description: Training Building Drill Hall with pellet gun targets.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
807.jpg

Photo Number:  
12

Description: Arms Storage Room within Training Building showing pellet gun.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
805.jpg

Photo Number:  
13

Description: Kitchen within Training Building and cleaning cart.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
1352.jpg

Photo Number:  
14

Description: Grease trap and wash basin just outside Training Building adjacent to kitchen.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
1374.jpg

Photo Number:  
15

Description: Multiple floor drains within Training Room Mechanical Room.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
1371.jpg

Photo Number:  
16

Description: Equipment in Training Building Mechanical Room.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
1369.jpg

Photo Number:  
17

Description: Equipment in Training Building Mechanical Room.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
800.jpg

Photo Number:  
18

Description: Transformers on pole west of Site that provide power to Roush USARC (non-PCB).



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
1379.jpg

Photo Number:  
19

Description: Facing east within MEP fenced area. Former wash rack area in foreground, old hazmat shed and grease ramp in background.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
809.jpg

Photo Number:  
20

Description: Facing east at grease ramp north of OMS, old hazmat shed on left side of photo, OMS on right side of photo.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
808.jpg

Photo Number:  
21

Description: Facing northwest at interior of OMS.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
1381.jpg

Photo Number:  
22

Description: Overhead area within OMS.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
1387.jpg

Photo Number:  
23

Description: Old hazmat shed and grease ramp. Storage racks from OMS stored below grease ramp.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
1376.jpg

Photo Number:  
24

Description: Interior of old hazmat shed.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
1378.jpg

Photo Number:  
25

Description: Facing north at hose bib in the area of the former wash rack.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
1377.jpg

Photo Number:  
26

Description: Facing west within OMS fence area at former wash rack location. Houses on 18th Street in background.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
1349.jpg

Photo Number:  
27

Description: Facing north from Site at residential area on north side of Opal Street.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
1339.jpg

Photo Number:  
28

Description: Facing northeast from east POV parking lot at residential areas on Opal Street.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
1340.jpg

Photo Number:  
29

Description: Facing east from east POV parking lot at adjacent residential area.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
1357.jpg

Photo Number:  
30

Description: Facing southeast from south side of Site. Residential areas on left side of photo in background, Jaycee Lane on right side.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
797.jpg

Photo Number:  
31

Description: Facing southwest from south side of Site at Tornado Dome on the Clinton High School campus. Fence adjoining residential area on 18th Street on west side of Site on right side of photo.



Project Number:  
TEJV/LOUI/0008

Tract Number:  
Clinton, OK - OK007

File Name:  
TEJV-LOUI-0008-  
Clinton, OK - OK007-  
1347.jpg

Photo Number:  
32

Description: Facing west from Site at residential area on 18th Street adjacent to Site.

**Appendix C**  
**Chain-of-Title Report**



2055 East Rio Salado Parkway, Suite 201  
Tempe, Arizona 85281

Phone: (480) 967-6752

Fax Number: (480) 966-9422

Web Site: [www.netronline.com](http://www.netronline.com)

## HISTORICAL CHAIN OF TITLE REPORT

**DONALD A. ROUSH USARC**  
1720 OPAL STREET  
CLINTON, OKLAHOMA

**Submitted to:**

**TERRAINE, INC.**  
4002 Sutherland Ave  
Knoxville, Tennessee 37919  
(800) 531-1242

**Attention: James Young**

**Project No. N06-4906**

**Tuesday, August 01, 2006**

**NETR- Real Estate Research & Information** hereby submits the following ASTM historical chain-of-title to the land described below, subject to the leases/miscellaneous shown in Section 2. Title to the estate or interest covered by this report appears to be vested in:

UNITED STATES OF AMERICA

The following is the current property legal description:

All those certain pieces or parcels of land being Block 12, Arcadia Garden, Subdivision of the North ½ of the Northeast ¼ of Section 22, Township 12 North, Range 17 West, the area described is designated as Tract No. A-100, Army Reserve Training Center, lying and situate in the City of Clinton, Custer County, State of Oklahoma.

Assessor's Parcel Number: 0740-00-012-000-0-000-00

## **1. HISTORICAL CHAIN OF TITLE**

### 1. RANGE RECORDS/PATENT:

DATED: 05-20-1892  
GRANTOR: United States of America  
GRANTEE: Alice Butts  
INSTRUMENT: Bk Y, Pg 103

### 2. WARRANTY DEED:

RECORDED: 12-23-1907  
GRANTOR: Alice Butts  
GRANTEE: C. H. Lamb and Chas W. Goodwin  
INSTRUMENT: Bk Y, Pg 104

### 3. WARRANTY DEED:

RECORDED: 01-07-1908  
GRANTOR: Chas W. Goodwin and Carrie Goodwin, husband and wife; and C. H. Lamb  
GRANTEE: The Clinton Townsite and Investment Company  
INSTRUMENT: Bk W, Pg 396

### 4. WARRANTY DEED:

RECORDED: 03-04-1922  
GRANTOR: The Clinton Townsite and Investment Company  
GRANTEE: C. E. Johnson  
INSTRUMENT: Bk 35, Pg 128

### 5. WARRANTY DEED:

RECORDED: 06-13-1958  
GRANTOR: Josephine Havens Chody & Byron Chody, her husband and Billie Jo Arnold & James E. Arnold, her husband (heirs of C. E. Johnson)  
GRANTEE: United States of America  
INSTRUMENT: Bk 96, Pg 401

## **2. LEASES AND MISCELLANEOUS**

1. No environmental liens, institutional controls or engineering controls were found of record.

### **3. LIMITATION**

This report was prepared for the use of Terraine, Inc., exclusively. This report is neither a guarantee of title, a commitment to insure, or a policy of title insurance. NETR- Real Estate Research & Information does not guarantee nor include any warranty of any kind whether expressed or implied, about the validity of all information included in this report since this information is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

**Appendix E**  
**Regulatory Database Search Reports**



**EDR**® Environmental  
Data Resources Inc

## **The EDR Radius Map with GeoCheck®**

**Donald A. Roush USARC  
1720 Opal Street  
Clinton, OK 73601**

**Inquiry Number: 1714475.2s**

**July 13, 2006**

## **The Standard in Environmental Risk Management Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

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*Thank you for your business.*  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

1720 OPAL STREET  
CLINTON, OK 73601

#### COORDINATES

Latitude (North): 35.505800 - 35° 30' 20.9"  
Longitude (West): 98.982000 - 98° 58' 55.2"  
Universal Transverse Mercator: Zone 14  
UTM X (Meters): 501632.4  
UTM Y (Meters): 3928937.8  
Elevation: 1597 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 35098-E8 CLINTON, OK  
Most Recent Revision: 1983  
  
South Map: 35098-D8 BESSIE, OK  
Most Recent Revision: 1983

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following government records. For more information on this property see page 6 of the attached EDR Radius Map report:

<u>Site</u>	<u>Database(s)</u>	<u>EPA ID</u>
USARC DONALD A. ROUSH 1720 OPAL ST CLINTON, OK 73601	RCRA-SQG FINDS	OK6210022004

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

### FEDERAL RECORDS

NPL..... National Priority List

## EXECUTIVE SUMMARY

<b>Proposed NPL</b>	Proposed National Priority List Sites
<b>Delisted NPL</b>	National Priority List Deletions
<b>NPL RECOVERY</b>	Federal Superfund Liens
<b>CERCLIS</b>	Comprehensive Environmental Response, Compensation, and Liability Information System
<b>CERC-NFRAP</b>	CERCLIS No Further Remedial Action Planned
<b>CORRACTS</b>	Corrective Action Report
<b>RCRA-TSDF</b>	Resource Conservation and Recovery Act Information
<b>RCRA-LQG</b>	Resource Conservation and Recovery Act Information
<b>ERNS</b>	Emergency Response Notification System
<b>HMIRS</b>	Hazardous Materials Information Reporting System
<b>US ENG CONTROLS</b>	Engineering Controls Sites List
<b>US INST CONTROL</b>	Sites with Institutional Controls
<b>DOD</b>	Department of Defense Sites
<b>FUDS</b>	Formerly Used Defense Sites
<b>US BROWNFIELDS</b>	A Listing of Brownfields Sites
<b>CONSENT</b>	Superfund (CERCLA) Consent Decrees
<b>ROD</b>	Records Of Decision
<b>UMTRA</b>	Uranium Mill Tailings Sites
<b>ODI</b>	Open Dump Inventory
<b>TRIS</b>	Toxic Chemical Release Inventory System
<b>TSCA</b>	Toxic Substances Control Act
<b>FTTS</b>	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
<b>SSTS</b>	Section 7 Tracking Systems
<b>ICIS</b>	Integrated Compliance Information System
<b>PADS</b>	PCB Activity Database System
<b>MLTS</b>	Material Licensing Tracking System
<b>MINES</b>	Mines Master Index File
<b>RAATS</b>	RCRA Administrative Action Tracking System

### STATE AND LOCAL RECORDS

<b>SHWS</b>	Voluntary Cleanup & Superfund Site Status Report
<b>SWF/LF</b>	Permitted Solid Waste Disposal & Processing Facilities
<b>LAST</b>	Leaking Aboveground Storage Tanks List
<b>AST</b>	Aboveground Storage Tanks
<b>INST CONTROL</b>	Institutional Control Sites
<b>VCP</b>	Voluntary Cleanup Site Inventory
<b>DRYCLEANERS</b>	Drycleaner Facility Listing
<b>BROWNFIELDS</b>	Brownfield Sites
<b>OK COMPLAINT</b>	Oklahoma Complaint System Database

### TRIBAL RECORDS

<b>INDIAN RESERV</b>	Indian Reservations
<b>INDIAN LUST</b>	Leaking Underground Storage Tanks on Indian Land
<b>INDIAN UST</b>	USTs on Indian Land

### EDR PROPRIETARY RECORDS

<b>Manufactured Gas Plants</b>	EDR Proprietary Manufactured Gas Plants
<b>EDR Historical Auto Stations</b>	EDR Proprietary Historic Gas Stations
<b>EDR Historical Cleaners</b>	EDR Proprietary Historic Dry Cleaners

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

## EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

### **STATE AND LOCAL RECORDS**

**LUST:** The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Oklahoma Corporation Commission's Leaking UST list.

A review of the LUST list, as provided by EDR, and dated 05/08/2006 has revealed that there are 4 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>PAUL'S 66</i></b> Facility Status: Confirmed Release Opened	<b><i>I-40 / NEPTUNE RD</i></b>	<b><i>1/4 - 1/2 SSE</i></b>	<b><i>7</i></b>	<b><i>12</i></b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>CLINTON COCA-COLA</i></b> Facility Status: Confirmed Release Opened Facility Status: Confirmed Release Closed	<b><i>2310 CORBIN LANE</i></b>	<b><i>0 - 1/8 SSW</i></b>	<b><i>2</i></b>	<b><i>6</i></b>
<b><i>CLASSIC CAR CARE (OLD TEXACO S</i></b> Facility Status: Suspicion of Release Opened Facility Status: General Correspondence	<b><i>2134 GARY BLVD</i></b>	<b><i>1/8 - 1/4 WNW</i></b>	<b><i>A5</i></b>	<b><i>10</i></b>
ABANDONED STATION Facility Status: Confirmed Release Opened Facility Status: Suspicion of Release Closed	2140 GARY BLVD	1/8 - 1/4 W	6	11

**UST:** The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Oklahoma Corporation Commission's State UST List, List II Version.

A review of the UST list, as provided by EDR, and dated 03/03/2006 has revealed that there are 4 UST sites within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>CLINTON COCA-COLA</i></b>	<b><i>2310 CORBIN LANE</i></b>	<b><i>0 - 1/8 SSW</i></b>	<b><i>2</i></b>	<b><i>6</i></b>
<b><i>CLINTON PUBLIC SCHOOL</i></b>	<b><i>2130 GARY FREEWAY</i></b>	<b><i>1/8 - 1/4 WNW</i></b>	<b><i>A3</i></b>	<b><i>7</i></b>
<b><i>TEXACO STATION</i></b>	<b><i>2134 GARY FREEWAY</i></b>	<b><i>1/8 - 1/4 WNW</i></b>	<b><i>A4</i></b>	<b><i>8</i></b>
<b><i>CLASSIC CAR CARE (OLD TEXACO S</i></b>	<b><i>2134 GARY BLVD</i></b>	<b><i>1/8 - 1/4 WNW</i></b>	<b><i>A5</i></b>	<b><i>10</i></b>

## EXECUTIVE SUMMARY

**OK UST HIST:** This underground storage tank listing includes tank information through March 2003. This listing is no longer updated by the Oklahoma Corporation Commission.

A review of the HIST UST list, as provided by EDR, and dated 03/21/2003 has revealed that there are 4 HIST UST sites within approximately 0.25 miles of the target property.

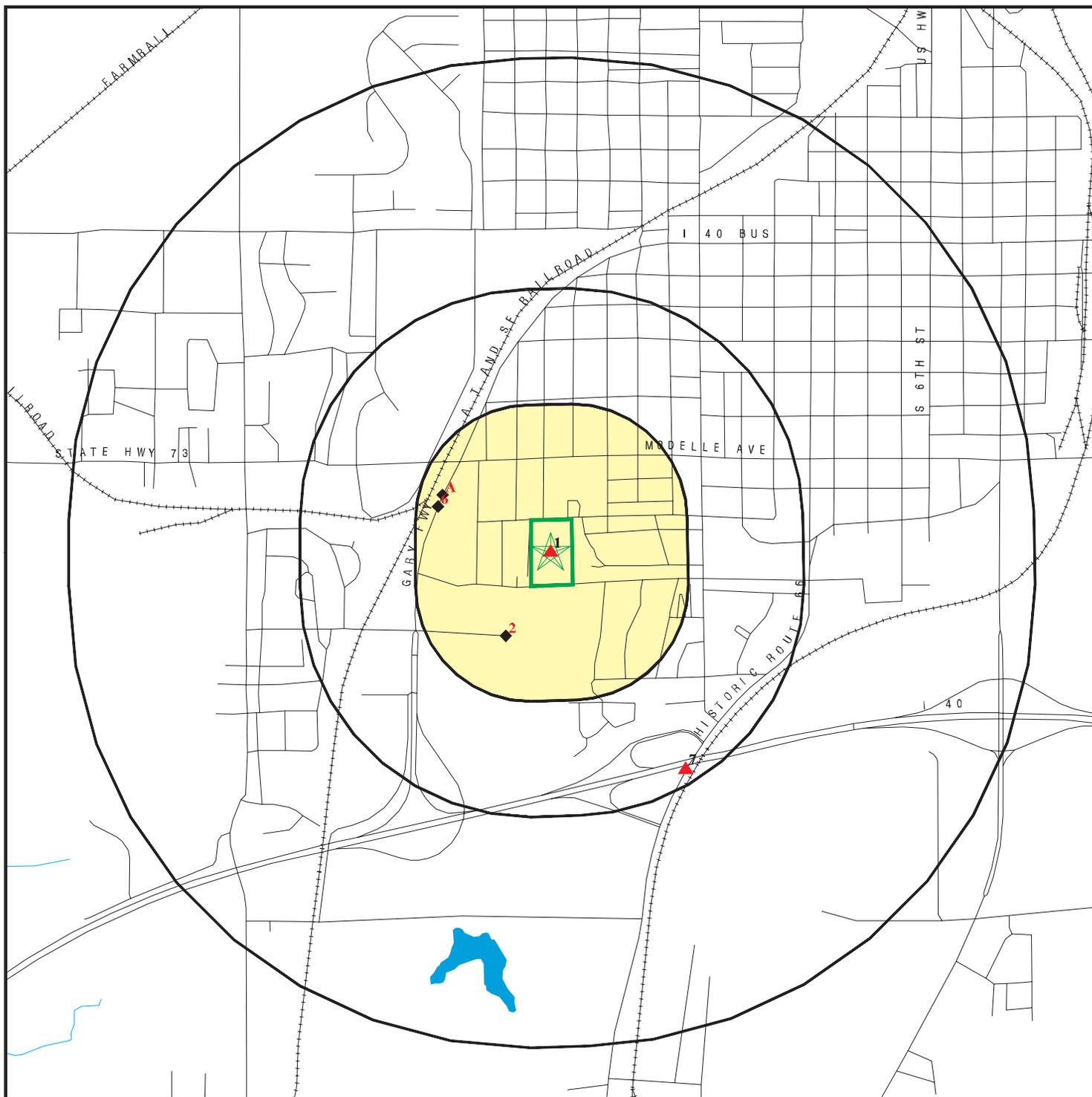
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>CLINTON COCA-COLA</i>	<i>2310 CORBIN LANE</i>	<i>0 - 1/8 SSW 2</i>		<i>6</i>
<i>CLINTON PUBLIC SCHOOL</i>	<i>2130 GARY FREEWAY</i>	<i>1/8 - 1/4 WNW A3</i>		<i>7</i>
<i>TEXACO STATION</i>	<i>2134 GARY FREEWAY</i>	<i>1/8 - 1/4 WNW A4</i>		<i>8</i>
<i>CLASSIC CAR CARE (OLD TEXACO S</i>	<i>2134 GARY BLVD</i>	<i>1/8 - 1/4 WNW A5</i>		<i>10</i>

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
CLINTON RESERVE (WPA FACILITY)	INDIAN UST
CLINTON ABANDONED BUILDING MATERIAL	CERCLIS, FINDS
HUB CITIES TRANSPORT INC LAGOON	CERC-NFRAP
CITY OF THOMAS LANDFILL	SWF/LF
TOWN OF THOMAS DISPOSAL SITE	SWF/LF
CITY OF WEATHERFORD DISPOSAL SITE	SWF/LF
TOWN OF CUSTER CITY DISPOSAL SITE	SWF/LF
GEORGE FRANSEN	UST, HIST UST
CARROL HOFFMAN	UST, HIST UST
J I CASE COMPANY	UST, HIST UST
DOMINO FOOD & FUEL #1	UST, AST, HIST UST
CLINTON INDIAN HOSPITAL	HIST UST
MARVIN AGAN	UST, HIST UST
LILA M LADD	UST, HIST UST
LACY LAND AND CATTLE INC.	UST, HIST UST
VETERANS OF FOREIGN WARS	UST, HIST UST
CLINTON BATCH PLANT	UST, AST, HIST UST
BOB SMITH DOZER SERVICE INC.	UST, HIST UST
VACANT PROPERTY	UST, HIST UST
OKLA. VETERANS CTR/CLINTON	UST, HIST UST
JOAN ALLRED	UST, HIST UST
CLINTON INDIAN HOSPITAL	UST
ABANDONED UST	UST
MILPARK	RCRA-SQG, FINDS
COLLINS & AIKMAN CORPORATION AUTO DIVISION CLINTON PLANT	RCRA-SQG, FINDS
CASE POWERS EQUIPMENT	RCRA-SQG, FINDS
WILLCO INC	RCRA-SQG, FINDS
LORENZ INC	RCRA-SQG, FINDS
UNITED PARCEL SERVICE (CLINTON)	RCRA-SQG, FINDS

# OVERVIEW MAP - 1714475.2s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Landfill Sites
-  Dept. Defense Sites

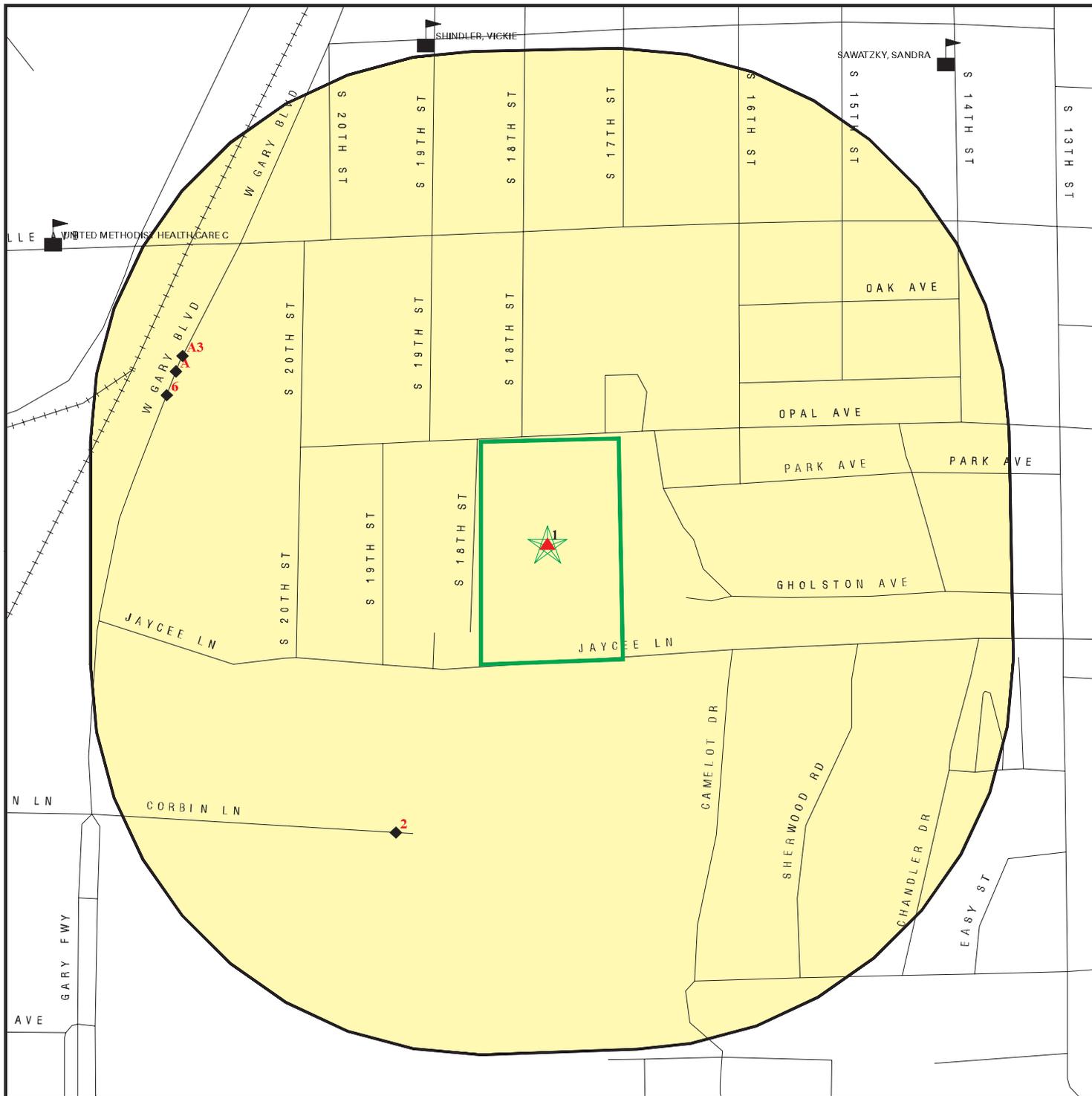
-  Indian Reservations BIA
-  Oil & Gas pipelines

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Donald A. Roush USARC  
 ADDRESS: 1720 Opal Street  
 Clinton OK 73601  
 LAT/LONG: 35.5058 / 98.9820

CLIENT: ENSAFE  
 CONTACT: Phil Hardy  
 INQUIRY #: 1714475.2s  
 DATE: July 13, 2006

# DETAIL MAP - 1714475.2s



-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  Sensitive Receptors
-  National Priority List Sites
-  Landfill Sites
-  Dept. Defense Sites

-  Indian Reservations BIA
-  Oil & Gas pipelines

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Donald A. Roush USARC  
 ADDRESS: 1720 Opal Street  
 Clinton OK 73601  
 LAT/LONG: 35.5058 / 98.9820

CLIENT: ENSAFE  
 CONTACT: Phil Hardy  
 INQUIRY #: 1714475.2s  
 DATE: July 13, 2006

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL RECORDS</u></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL RECOVERY		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.	X	0.250	0	0	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
SHWS		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	1	2	1	NR	NR	4
UST		0.250	1	3	NR	NR	NR	4
HIST UST		0.250	1	3	NR	NR	NR	4
LAST		0.500	0	0	0	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
OK Complaint		TP	NR	NR	NR	NR	NR	0
<b><u>TRIBAL RECORDS</u></b>								
INDIAN RESERV		1.000	0	0	0	0	NR	0

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<b><u>EDR PROPRIETARY RECORDS</u></b>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0
EDR Historical Auto Stations		TP	NR	NR	NR	NR	NR	0
EDR Historical Cleaners		TP	NR	NR	NR	NR	NR	0

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**1**            **USARC DONALD A. ROUSH**  
**Target**       **1720 OPAL ST**  
**Property**     **CLINTON, OK 73601**

**RCRA-SQG**    **1005417490**  
**FINDS**        **OK6210022004**

**Actual:**  
**1597 ft.**

RCRAInfo:  
 Owner:            US ARMY RESERVE CNTR  
                       (580) 351-4906  
 EPA ID:            OK6210022004  
 Contact:           HAYS KINSLOW  
                       (501) 771-7859  
  
 Classification:    Conditionally Exempt Small Quantity Generator  
 TSDF Activities:   Not reported  
  
 Violation Status: No violations found

**FINDS:**  
 Other Pertinent Environmental Activity Identified at Site:  
 RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**2**            **CLINTON COCA-COLA**  
**SSW**        **2310 CORBIN LANE**  
**< 1/8**        **CLINTON, OK 73601**  
**637 ft.**

**LUST**        **U001234216**  
**UST**           **N/A**  
**HIST UST**

**Relative:**  
**Lower**

**Actual:**  
**1587 ft.**

LUST:  
 Facility ID:        2007085  
 Alt Event ID:      2007085\*064-BQ  
**Facility Status:    Confirmed Release Opened**  
 Case Number:      064-BQ  
 Lat/Long Deg :    35° 30' 11.39999961" / 98° 59' 17.729999542"  
 Lat/Long :        35.50316666 / -98.98825833  
 Owner ID:         166  
 Owner Name:       AMARILLO COCA-COLA BOTTLING CO.  
 Lead ID:           79  
 Alt Facility ID:    7507085  
  
 Facility ID:        2007085  
 Alt Event ID:      2007085\*064-BQ  
**Facility Status:    Confirmed Release Closed**  
 Case Number:      064-BQ  
 Lat/Long Deg :    35° 30' 11.39999961" / 98° 59' 17.729999542"  
 Lat/Long :        35.50316666 / -98.98825833  
 Owner ID:         166  
 Owner Name:       AMARILLO COCA-COLA BOTTLING CO.  
 Lead ID:           79  
 Alt Facility ID:    7507085

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**CLINTON COCA-COLA (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**U001234216**

HIST UST:

Facility ID: 7507085 Tank ID: 1  
 Installed Date: 4/28/1962 0:00:00 Tank Capacity: 550  
 Tank Status: Permanently Out of Use  
 Owner: AMARILLO COCA-COLA BOTTLING CO.  
 Owner Address: 701 S. LINCOLN

Product: Amarillo, TX 79105  
 Gasoline

Facility ID: 7507085 Tank ID: 2  
 Installed Date: 4/28/1972 0:00:00 Tank Capacity: 2000  
 Tank Status: Permanently Out of Use  
 Owner: AMARILLO COCA-COLA BOTTLING CO.  
 Owner Address: 701 S. LINCOLN

Product: Amarillo, TX 79105  
 Diesel

UST:

Facility ID: 2007085  
 Tank ID: 1  
 Lat/Long : 35.50317 / -98.98826  
 AST: False  
 Lat/Long Degrees : 35° 30' 11.40000" / 98° 59' 17.73000"  
 Contact Name: AMARILLO COCA-COLA BOTTLING CO.  
 Contact Address: 701 S. LINCOLN  
 Contact City,St,Zip: Amarillo, TX 79105

Facility ID: 2007085  
 Tank ID: 2  
 Lat/Long : 35.50317 / -98.98826  
 AST: False  
 Lat/Long Degrees : 35° 30' 11.40000" / 98° 59' 17.73000"  
 Contact Name: AMARILLO COCA-COLA BOTTLING CO.  
 Contact Address: 701 S. LINCOLN  
 Contact City,St,Zip: Amarillo, TX 79105

**A3  
 WNW  
 1/8-1/4  
 1050 ft.**

**CLINTON PUBLIC SCHOOL  
 2130 GARY FREEWAY  
 CLINTON, OK 73601**

**UST U002040227  
 HIST UST N/A**

**Site 1 of 3 in cluster A**

**Relative:  
 Lower**

HIST UST:

Facility ID: 2001439 Tank ID: 1  
 Installed Date: 4/2/1975 0:00:00 Tank Capacity: 10000  
 Tank Status: Permanently Out of Use  
 Owner: CLINTON PUBLIC SCHOOL  
 Owner Address: PO BOX 729

Product: Clinton, OK 73601  
 Gasoline

**Actual:  
 1593 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**CLINTON PUBLIC SCHOOL (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U002040227**

Facility ID: 2001439 Tank ID: 2  
Installed Date: 4/1/1985 0:00:00 Tank Capacity: 2000  
Tank Status: Permanently Out of Use  
Owner: CLINTON PUBLIC SCHOOL  
Owner Address: PO BOX 729  
  
Clinton, OK 73601  
Product: Gasoline

UST:  
Facility ID: 2001439  
Tank ID: 2  
Lat/Long : 35.55444 / -98.89943  
AST: False  
Lat/Long Degrees : 35° 33' 15.99000" / 98° 53' 57.93000"  
Contact Name: CLINTON PUBLIC SCHOOL  
Contact Address: PO BOX 729  
Contact City,St,Zip: Clinton, OK 73601

Facility ID: 2001439  
Tank ID: 1  
Lat/Long : 35.55444 / -98.89943  
AST: False  
Lat/Long Degrees : 35° 33' 15.99000" / 98° 53' 57.93000"  
Contact Name: CLINTON PUBLIC SCHOOL  
Contact Address: PO BOX 729  
Contact City,St,Zip: Clinton, OK 73601

**A4  
WNW  
1/8-1/4  
1059 ft.**

**TEXACO STATION  
2134 GARY FREEWAY  
CLINTON, OK 73601**

**UST U001225522  
HIST UST N/A**

**Relative:  
Lower**

**Site 2 of 3 in cluster A**

**Actual:  
1594 ft.**

HIST UST:  
Facility ID: 2009122 Tank ID: 1  
Installed Date: 4/16/1978 0:00:00 Tank Capacity: 4000  
Tank Status: Temporarily Out of Use  
Owner: JAMES DUPREE  
Owner Address: 1818 BROADWAY  
  
Clinton, OK 73601  
Product: Gasoline

Facility ID: 2009122 Tank ID: 2  
Installed Date: 4/16/1978 0:00:00 Tank Capacity: 4000  
Tank Status: Temporarily Out of Use  
Owner: JAMES DUPREE  
Owner Address: 1818 BROADWAY  
  
Clinton, OK 73601  
Product: Gasoline

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

TEXACO STATION (Continued)

U001225522

Facility ID: 2009122 Tank ID: 3  
Installed Date: 4/16/1978 0:00:00 Tank Capacity: 4000  
Tank Status: Temporarily Out of Use  
Owner: JAMES DUPREE  
Owner Address: 1818 BROADWAY

Product: Clinton, OK 73601  
Gasoline

Facility ID: 2009122 Tank ID: 4  
Installed Date: 4/16/1978 0:00:00 Tank Capacity: 4000  
Tank Status: Temporarily Out of Use  
Owner: JAMES DUPREE  
Owner Address: 1818 BROADWAY

Product: Clinton, OK 73601  
Gasoline

Facility ID: 2009122 Tank ID: 5  
Installed Date: 4/16/1978 0:00:00 Tank Capacity: 550  
Tank Status: Temporarily Out of Use  
Owner: JAMES DUPREE  
Owner Address: 1818 BROADWAY

Product: Clinton, OK 73601  
Used Oil

UST:

Facility ID: 2009122  
Tank ID: 1  
Lat/Long : 35.50421 / -98.98663  
AST: False  
Lat/Long Degrees : 35° 30' 15.14000" / 98° 59' 11.88000"  
Contact Name: JAMES DUPREE  
Contact Address: 1818 BROADWAY  
Contact City,St,Zip: Clinton, OK 73601

Facility ID: 2009122  
Tank ID: 2  
Lat/Long : 35.50421 / -98.98663  
AST: False  
Lat/Long Degrees : 35° 30' 15.14000" / 98° 59' 11.88000"  
Contact Name: JAMES DUPREE  
Contact Address: 1818 BROADWAY  
Contact City,St,Zip: Clinton, OK 73601

Facility ID: 2009122  
Tank ID: 3  
Lat/Long : 35.50421 / -98.98663  
AST: False  
Lat/Long Degrees : 35° 30' 15.14000" / 98° 59' 11.88000"  
Contact Name: JAMES DUPREE  
Contact Address: 1818 BROADWAY  
Contact City,St,Zip: Clinton, OK 73601

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

MAP FINDINGS

**TEXACO STATION (Continued)**

EDR ID Number  
 EPA ID Number

Database(s)

**U001225522**

Facility ID: 2009122  
 Tank ID: 4  
 Lat/Long : 35.50421 / -98.98663  
 AST: False  
 Lat/Long Degrees : 35° 30' 15.14000" / 98° 59' 11.88000"  
 Contact Name: JAMES DUPREE  
 Contact Address: 1818 BROADWAY  
 Contact City,St,Zip: Clinton, OK 73601

Facility ID: 2009122  
 Tank ID: 5  
 Lat/Long : 35.50421 / -98.98663  
 AST: False  
 Lat/Long Degrees : 35° 30' 15.14000" / 98° 59' 11.88000"  
 Contact Name: JAMES DUPREE  
 Contact Address: 1818 BROADWAY  
 Contact City,St,Zip: Clinton, OK 73601

**A5  
 WNW  
 1/8-1/4  
 1059 ft.**

**CLASSIC CAR CARE (OLD TEXACO STATION)  
 2134 GARY BLVD  
 CLINTON, OK 73601**

**LUST U003181683  
 UST N/A  
 HIST UST**

**Site 3 of 3 in cluster A**

**Relative:  
 Lower**

LUST:  
 Facility ID: 0013154  
 Alt Event ID: 0013154\*6W-315  
**Facility Status: Suspicion of Release Opened**  
 Case Number: 6W-315  
 Lat/Long Deg : Not reported  
 Lat/Long : Not reported  
 Owner ID: 8222  
 Owner Name: UNREGISTERED ABADONED GAS STA  
 Lead ID: 79  
 Alt Facility ID: 13154

**Actual:  
 1594 ft.**

Facility ID: 0013154  
 Alt Event ID: 0013154\*6W-315  
**Facility Status: General Correspondence**  
 Case Number: 6W-315  
 Lat/Long Deg : Not reported  
 Lat/Long : Not reported  
 Owner ID: 8222  
 Owner Name: UNREGISTERED ABADONED GAS STA  
 Lead ID: 79  
 Alt Facility ID: 13154

Facility ID: 0013154  
 Alt Event ID: 0013154\*6W-315  
**Facility Status: Suspicion of Release Closed**  
 Case Number: 6W-315  
 Lat/Long Deg : Not reported  
 Lat/Long : Not reported  
 Owner ID: 8222  
 Owner Name: UNREGISTERED ABADONED GAS STA  
 Lead ID: 79  
 Alt Facility ID: 13154

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CLASSIC CAR CARE (OLD TEXACO STATION) (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U003181683

HIST UST:

Facility ID: 13154 Tank ID: 1  
Installed Date: Not reported Tank Capacity: Not reported  
Tank Status: Permanently Out of Use  
Owner: UNREGISTERED ABADONED GAS STA  
Owner Address: 2134 GARY BLVD

Clinton, OK 73601

Product: Not Listed

UST:

Facility ID: 0013154  
Tank ID: 1  
Lat/Long : 35.50421 / -98.98663  
AST: False  
Lat/Long Degrees : 35° 30' 15.14000" / 98° 59' 11.88000"  
Contact Name: UNREGISTERED ABADONED GAS STA  
Contact Address: 2134 GARY BLVD  
Contact City,St,Zip: Clinton, OK 73601

6 ABANDONED STATION  
West 2140 GARY BLVD  
1/8-1/4 CLINTON, OK 73601  
1074 ft.

LUST S105384525  
N/A

Relative:  
Lower

LUST:

Facility ID: 2009122  
Alt Event ID: 2009122\*064-2611  
**Facility Status: Confirmed Release Opened**  
Case Number: 064-2611  
Lat/Long Deg : Not reported  
Lat/Long : Not reported  
Owner ID: 3203  
Owner Name: JAMES DUPREE  
Lead ID: 6  
Alt Facility ID: 2009122

Facility ID: 2009122  
Alt Event ID: 2009122\*064-2611  
**Facility Status: Suspicion of Release Closed**  
Case Number: 064-2611  
Lat/Long Deg : Not reported  
Lat/Long : Not reported  
Owner ID: 3203  
Owner Name: JAMES DUPREE  
Lead ID: 6  
Alt Facility ID: 2009122

Facility ID: 2009122  
Alt Event ID: 2009122\*064-2611  
**Facility Status: Suspicion of Release Opened**  
Case Number: 064-2611  
Lat/Long Deg : Not reported  
Lat/Long : Not reported  
Owner ID: 3203  
Owner Name: JAMES DUPREE  
Lead ID: 6  
Alt Facility ID: 2009122

Facility ID: 2009122  
Alt Event ID: 2009122\*064-2611

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

ABANDONED STATION (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S105384525

**Facility Status:** Confirmed Release Closed  
Case Number: 064-2611  
Lat/Long Deg : Not reported  
Lat/Long : Not reported  
Owner ID: 3203  
Owner Name: JAMES DUPREE  
Lead ID: 6  
Alt Facility ID: 2009122

7  
SSE  
1/4-1/2  
2460 ft.

PAUL'S 66  
I-40 / NEPTUNE RD  
CLINTON, OK 73601

LUST U001225548  
UST N/A  
HIST UST

Relative:  
Higher

LUST:

Facility ID: 2009935  
Alt Event ID: 2009935\*064-2224  
**Facility Status:** Confirmed Release Opened  
Case Number: 064-2224  
Lat/Long Deg : 35° 29' 49.42565917" / 98° 58' 42.875976562"  
Lat/Long : 35.49706268 / -98.97857666  
Owner ID: 3005  
Owner Name: HUTCHINSON OIL CO INC  
Lead ID: 79  
Alt Facility ID: 2009935

Actual:  
1597 ft.

HIST UST:

Facility ID: 2009935 Tank ID: 1  
Installed Date: 5/8/1971 0:00:00 Tank Capacity: 6000  
Tank Status: Currently in Use  
Owner: HUTCHINSON OIL CO INC  
Owner Address: PO BOX 767

Product: Elk City, OK 73648  
Gasoline

Facility ID: 2009935 Tank ID: 2  
Installed Date: 5/8/1971 0:00:00 Tank Capacity: 6000  
Tank Status: Currently in Use  
Owner: HUTCHINSON OIL CO INC  
Owner Address: PO BOX 767

Product: Elk City, OK 73648  
Gasoline

Facility ID: 2009935 Tank ID: 3  
Installed Date: 5/8/1971 0:00:00 Tank Capacity: 6000  
Tank Status: Currently in Use  
Owner: HUTCHINSON OIL CO INC  
Owner Address: PO BOX 767

Product: Elk City, OK 73648  
Gasoline

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
 EPA ID Number

**PAUL'S 66 (Continued)**

**U001225548**

Facility ID: 2009935 Tank ID: 4  
 Installed Date: 5/8/1971 0:00:00 Tank Capacity: 6000  
 Tank Status: Currently in Use  
 Owner: HUTCHINSON OIL CO INC  
 Owner Address: PO BOX 767

Product: Elk City, OK 73648  
 Gasoline

Facility ID: 2009935 Tank ID: 5  
 Installed Date: 5/8/1971 0:00:00 Tank Capacity: 6000  
 Tank Status: Currently in Use  
 Owner: HUTCHINSON OIL CO INC  
 Owner Address: PO BOX 767

Product: Elk City, OK 73648  
 Diesel

Facility ID: 2009935 Tank ID: 6  
 Installed Date: 5/7/1976 0:00:00 Tank Capacity: 6000  
 Tank Status: Currently in Use  
 Owner: HUTCHINSON OIL CO INC  
 Owner Address: PO BOX 767

Product: Elk City, OK 73648  
 Diesel

Facility ID: 2009935 Tank ID: 7  
 Installed Date: 5/8/1971 0:00:00 Tank Capacity: 1000  
 Tank Status: Temporarily Out of Use  
 Owner: HUTCHINSON OIL CO INC  
 Owner Address: PO BOX 767

Product: Elk City, OK 73648  
 Used Oil

**UST:**

Facility ID: 2009935  
 Tank ID: 1  
 Lat/Long : 35.49706 / -98.97858  
 AST: False  
 Lat/Long Degrees : 35° 29' 49.42566" / 98° 58' 42.87598"  
 Contact Name: HUTCHINSON OIL CO INC  
 Contact Address: PO BOX 767  
 Contact City,St,Zip: Elk City, OK 73648

Facility ID: 2009935  
 Tank ID: 2  
 Lat/Long : 35.49706 / -98.97858  
 AST: False  
 Lat/Long Degrees : 35° 29' 49.42566" / 98° 58' 42.87598"  
 Contact Name: HUTCHINSON OIL CO INC  
 Contact Address: PO BOX 767  
 Contact City,St,Zip: Elk City, OK 73648

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

PAUL'S 66 (Continued)

U001225548

Facility ID: 2009935  
Tank ID: 3  
Lat/Long : 35.49706 / -98.97858  
AST: False  
Lat/Long Degrees : 35° 29' 49.42566" / 98° 58' 42.87598"  
Contact Name: HUTCHINSON OIL CO INC  
Contact Address: PO BOX 767  
Contact City,St,Zip: Elk City, OK 73648

Facility ID: 2009935  
Tank ID: 4  
Lat/Long : 35.49706 / -98.97858  
AST: False  
Lat/Long Degrees : 35° 29' 49.42566" / 98° 58' 42.87598"  
Contact Name: HUTCHINSON OIL CO INC  
Contact Address: PO BOX 767  
Contact City,St,Zip: Elk City, OK 73648

Facility ID: 2009935  
Tank ID: 5  
Lat/Long : 35.49706 / -98.97858  
AST: False  
Lat/Long Degrees : 35° 29' 49.42566" / 98° 58' 42.87598"  
Contact Name: HUTCHINSON OIL CO INC  
Contact Address: PO BOX 767  
Contact City,St,Zip: Elk City, OK 73648

Facility ID: 2009935  
Tank ID: 6  
Lat/Long : 35.49706 / -98.97858  
AST: False  
Lat/Long Degrees : 35° 29' 49.42566" / 98° 58' 42.87598"  
Contact Name: HUTCHINSON OIL CO INC  
Contact Address: PO BOX 767  
Contact City,St,Zip: Elk City, OK 73648

Facility ID: 2009935  
Tank ID: 7  
Lat/Long : 35.49706 / -98.97858  
AST: False  
Lat/Long Degrees : 35° 29' 49.42566" / 98° 58' 42.87598"  
Contact Name: HUTCHINSON OIL CO INC  
Contact Address: PO BOX 767  
Contact City,St,Zip: Elk City, OK 73648

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CLINTON	U001225468	GEORGE FRANSEN	RT. 1, BOX 11A	73601	UST, HIST UST
CLINTON	U001882572	CARROL HOFFMAN	RT 1, BX 3415	73601	UST, HIST UST
CLINTON	1000345227	MILPARK	HWY 183	73601	RCRA-SQG, FINDS
CLINTON	1004579243	COLLINS & AIKMAN CORPORATION AUTO DIVISION CLINTON PLANT	HIGHWAY 183 SOUTH	73601	RCRA-SQG, FINDS
CLINTON	U001225369	J I CASE COMPANY	HWY 183 N	73601	UST, HIST UST
CLINTON	U001225445	DOMINO FOOD & FUEL #1	HWY 183 S	73601	UST, AST, HIST UST
CLINTON	U003885905	CLINTON INDIAN HOSPITAL	HWY 183 / HWY 66 2 MI E OF INTERSECTION	73601	HIST UST
CLINTON	U003997992	CLINTON INDIAN HOSPITAL	HWY 183 & HWY 66 2 MI E OF INTERSECTION OFF HWY	73601	UST
CLINTON	U003998088	ABANDONED UST	HIGHWAY 183 N	73601	UST
CLINTON	1004768999	CASE POWERS EQUIPMENT	HWY 183N	73601	RCRA-SQG, FINDS
CLINTON	U001882546	MARVIN AGAN	RT 4 BOX 304	73601	UST, HIST UST
CLINTON	U001882532	LILA M LADD	RT. 4, BOX 204	73601	UST, HIST UST
CLINTON	U001882573	LACY LAND AND CATTLE INC.	RT. 4, BOX 311 AIRPORT RD	73601	UST, HIST UST
CLINTON	S106118478	CLINTON RESERVE (WPA FACILITY)	HWY 66 / DOUGHERTY RD.	73601	INDIAN UST
CLINTON	U001225396	VETERANS OF FOREIGN WARS	BOX 131 1 MI E ON OLD 66 HWY	73601	UST, HIST UST
CLINTON	1003873854	HUB CITIES TRANSPORT INC LAGOON	COMMERCE ST & HWY 81 S	73601	CERC-NFRAP
CLINTON	1004769153	WILLCO INC	1749 S HWY 183	73601	RCRA-SQG, FINDS
CLINTON	U001225594	CLINTON BATCH PLANT	1739 S HWY 183	73601	UST, AST, HIST UST
CLINTON	1001814534	CLINTON ABANDONED BUILDING MATERIAL	SOUTH OF 10TH STREET	73601	CERCLIS, FINDS
CLINTON	1004769468	LORENZ INC	3M N OF TOWN ON HWY 183	73601	RCRA-SQG, FINDS
CLINTON	U001225457	BOB SMITH DOZER SERVICE INC.	4MI WEST OF CLINTON OF HWY 73	73601	UST, HIST UST
CLINTON	U001225503	VACANT PROPERTY	EAST OF CITY ON HWY 66	73601	UST, HIST UST
CLINTON	1004769515	UNITED PARCEL SERVICE (CLINTON)	3.5M S ON HWY 183	73601	RCRA-SQG, FINDS
CLINTON	U001882594	OKLA. VETERANS CTR/CLINTON	S ON HWY 183 P.O. BOX 1209	73601	UST, HIST UST
CLINTON	U001227329	JOAN ALLRED	STR HWY 33 & MAIN STR	73601	UST, HIST UST
CUSTER COUNTY	S106496520	CITY OF THOMAS LANDFILL	N/2 NW/4 NW/4 OF S19 T15N R14W		SWF/LF
CUSTER COUNTY	S106496523	TOWN OF THOMAS DISPOSAL SITE	NW/4 OF S30 T15N R14W		SWF/LF
CUSTER COUNTY	S107030541	CITY OF WEATHERFORD DISPOSAL SITE	E/2 OF S18 T12N R14W		SWF/LF
CUSTER COUNTY	S107030542	TOWN OF CUSTER CITY DISPOSAL SITE	SE/4 SE/4 NE/4 OF S29 T14N R16W		SWF/LF

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## **FEDERAL RECORDS**

### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

### **NPL Site Boundaries**

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 8  
Telephone: 303-312-6774

EPA Region 4  
Telephone 404-562-8033

### **Proposed NPL: Proposed National Priority List Sites**

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

### **DELISTED NPL: National Priority List Deletions**

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/19/2006	Source: EPA
Date Data Arrived at EDR: 05/05/2006	Telephone: N/A
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 05/05/2006
Number of Days to Update: 17	Next Scheduled EDR Contact: 07/31/2006
	Data Release Frequency: Quarterly

### **NPL RECOVERY: Federal Superfund Liens**

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 05/23/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **CERCLIS:** Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/22/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

## **CERCLIS-NFRAP:** CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 02/01/2006	Source: EPA
Date Data Arrived at EDR: 03/21/2006	Telephone: 703-413-0223
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 06/23/2006
Number of Days to Update: 23	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

## **CORRACTS:** Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/15/2006	Source: EPA
Date Data Arrived at EDR: 03/17/2006	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2006	Last EDR Contact: 05/21/2006
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: Quarterly

## **RCRA:** Resource Conservation and Recovery Act Information

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/09/2006	Source: EPA
Date Data Arrived at EDR: 04/27/2006	Telephone: 800-424-9346
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: Quarterly

## **ERNS:** Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2005	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/12/2006	Telephone: 202-260-2342
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 04/26/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/24/2006
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **HMIRS:** Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/2005	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-366-4555
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/14/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Annually

## **US ENG CONTROLS:** Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

## **US INST CONTROL:** Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 03/21/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/27/2006	Telephone: 703-603-8905
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

## **DOD:** Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 703-692-8801
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 05/12/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 08/07/2006
	Data Release Frequency: Semi-Annually

## **FUDS:** Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/05/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 01/19/2006	Telephone: 202-528-4285
Date Made Active in Reports: 02/21/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Varies

## **US BROWNFIELDS:** A Listing of Brownfields Sites

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/26/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2006	Telephone: 202-566-2777
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/12/2006
Number of Days to Update: 33	Next Scheduled EDR Contact: 09/11/2006
	Data Release Frequency: Semi-Annually

### **CONSENT:** Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/14/2004	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/2005	Telephone: Varies
Date Made Active in Reports: 04/25/2005	Last EDR Contact: 03/13/2006
Number of Days to Update: 69	Next Scheduled EDR Contact: 07/24/2006
	Data Release Frequency: Varies

### **ROD:** Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 04/13/2006	Source: EPA
Date Data Arrived at EDR: 04/28/2006	Telephone: 703-416-0223
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/06/2006
Number of Days to Update: 32	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Annually

### **UMTRA:** Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 11/04/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/28/2005	Telephone: 505-845-0011
Date Made Active in Reports: 01/30/2006	Last EDR Contact: 06/21/2006
Number of Days to Update: 63	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Varies

### **ODI:** Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **TRIS:** Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2003	Source: EPA
Date Data Arrived at EDR: 07/13/2005	Telephone: 202-566-0250
Date Made Active in Reports: 08/17/2005	Last EDR Contact: 06/22/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Annually

## **TSCA:** Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/12/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Every 4 Years

## **FTTS:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/29/2006	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

## **FTTS INSP:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Date of Government Version: 03/31/2006	Source: EPA
Date Data Arrived at EDR: 04/26/2006	Telephone: 202-566-1667
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/19/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 09/18/2006
	Data Release Frequency: Quarterly

## **SSTS:** Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2004	Source: EPA
Date Data Arrived at EDR: 05/11/2006	Telephone: 202-564-4203
Date Made Active in Reports: 05/22/2006	Last EDR Contact: 03/06/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Annually

## **ICIS:** Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/13/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/21/2006	Telephone: 202-564-5088
Date Made Active in Reports: 05/11/2006	Last EDR Contact: 04/11/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 07/17/2006
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **PADS:** PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 12/27/2005	Source: EPA
Date Data Arrived at EDR: 02/08/2006	Telephone: 202-566-0500
Date Made Active in Reports: 02/27/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 19	Next Scheduled EDR Contact: 08/07/2006
	Data Release Frequency: Annually

## **MLTS:** Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/12/2006	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/26/2006	Telephone: 301-415-7169
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/03/2006
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/02/2006
	Data Release Frequency: Quarterly

## **MINES:** Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/09/2006	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/29/2006	Telephone: 303-231-5959
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 06/28/2006
Number of Days to Update: 62	Next Scheduled EDR Contact: 09/25/2006
	Data Release Frequency: Semi-Annually

## **FINDS:** Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/27/2006	Source: EPA
Date Data Arrived at EDR: 05/02/2006	Telephone: N/A
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 04/03/2006
Number of Days to Update: 28	Next Scheduled EDR Contact: 07/03/2006
	Data Release Frequency: Quarterly

## **RAATS:** RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/05/2006
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/04/2006
	Data Release Frequency: No Update Planned

## **BRS:** Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2003  
Date Data Arrived at EDR: 06/17/2005  
Date Made Active in Reports: 08/04/2005  
Number of Days to Update: 48

Source: EPA/NTIS  
Telephone: 800-424-9346  
Last EDR Contact: 06/30/2006  
Next Scheduled EDR Contact: 09/11/2006  
Data Release Frequency: Biennially

## STATE AND LOCAL RECORDS

### **SHWS:** Voluntary Cleanup & Superfund Site Status Report

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 04/10/2006  
Date Made Active in Reports: 05/12/2006  
Number of Days to Update: 32

Source: Department of Environmental Quality  
Telephone: 405-702-5100  
Last EDR Contact: 06/13/2006  
Next Scheduled EDR Contact: 06/12/2006  
Data Release Frequency: Varies

### **SWF/LF:** Permitted Solid Waste Disposal & Processing Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/19/2006  
Date Data Arrived at EDR: 05/31/2006  
Date Made Active in Reports: 07/03/2006  
Number of Days to Update: 33

Source: Department of Environmental Quality  
Telephone: 405-702-5184  
Last EDR Contact: 05/30/2006  
Next Scheduled EDR Contact: 08/28/2006  
Data Release Frequency: Semi-Annually

### **LUST:** Leaking Underground Storage Tank List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 05/08/2006  
Date Data Arrived at EDR: 05/08/2006  
Date Made Active in Reports: 05/26/2006  
Number of Days to Update: 18

Source: Oklahoma Corporation Commission  
Telephone: 405-521-3107  
Last EDR Contact: 05/08/2006  
Next Scheduled EDR Contact: 07/24/2006  
Data Release Frequency: Varies

### **UST:** Underground Storage Tank Listing

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 03/03/2006  
Date Data Arrived at EDR: 03/03/2006  
Date Made Active in Reports: 04/03/2006  
Number of Days to Update: 31

Source: Oklahoma Corporation Commission  
Telephone: 405-521-3107  
Last EDR Contact: 04/26/2006  
Next Scheduled EDR Contact: 07/24/2006  
Data Release Frequency: Varies

### **HIST UST:** Underground Storage Tank List, List II Version

This underground storage tank listing includes tank information through March 2003. This listing is no longer updated by the Oklahoma Corporation Commission.

Date of Government Version: 03/21/2003  
Date Data Arrived at EDR: 04/28/2003  
Date Made Active in Reports: 05/27/2003  
Number of Days to Update: 29

Source: Oklahoma Corporation Commission  
Telephone: 405-521-3107  
Last EDR Contact: 04/26/2006  
Next Scheduled EDR Contact: 07/24/2006  
Data Release Frequency: No Update Planned

### **LAST:** Leaking Aboveground Storage Tanks List

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/08/2006  
Date Data Arrived at EDR: 05/08/2006  
Date Made Active in Reports: 05/26/2006  
Number of Days to Update: 18

Source: Oklahoma Corporation Commission  
Telephone: 405-522-4640  
Last EDR Contact: 05/08/2006  
Next Scheduled EDR Contact: 07/24/2006  
Data Release Frequency: Varies

**AST:** Aboveground Storage Tanks  
Registered Aboveground Storage Tanks.

Date of Government Version: 03/03/2006  
Date Data Arrived at EDR: 03/03/2006  
Date Made Active in Reports: 04/03/2006  
Number of Days to Update: 31

Source: Oklahoma Corporation Commission  
Telephone: 405-521-3107  
Last EDR Contact: 04/26/2006  
Next Scheduled EDR Contact: 07/24/2006  
Data Release Frequency: Varies

**INST CONTROL:** Institutional Control Sites  
Sites with institutional controls in place.

Date of Government Version: 03/14/2006  
Date Data Arrived at EDR: 03/14/2006  
Date Made Active in Reports: 03/29/2006  
Number of Days to Update: 15

Source: Department of Environmental Quality  
Telephone: 405-702-5100  
Last EDR Contact: 06/12/2006  
Next Scheduled EDR Contact: 09/11/2006  
Data Release Frequency: Varies

**VCP:** Voluntary Cleanup Site Inventory

Date of Government Version: 03/14/2006  
Date Data Arrived at EDR: 03/14/2006  
Date Made Active in Reports: 03/29/2006  
Number of Days to Update: 15

Source: Department of Environmental Quality  
Telephone: 405-702-5100  
Last EDR Contact: 06/12/2006  
Next Scheduled EDR Contact: 09/11/2006  
Data Release Frequency: Varies

**DRYCLEANERS:** Drycleaner Facilities  
A listing of drycleaner facility locations.

Date of Government Version: 04/12/2006  
Date Data Arrived at EDR: 04/13/2006  
Date Made Active in Reports: 05/12/2006  
Number of Days to Update: 29

Source: Department of Environmental Quality  
Telephone: 405-702-9100  
Last EDR Contact: 07/11/2006  
Next Scheduled EDR Contact: 10/09/2006  
Data Release Frequency: Varies

**BROWNFIELDS:** Brownfield Sites

Date of Government Version: 12/13/2005  
Date Data Arrived at EDR: 12/13/2005  
Date Made Active in Reports: 01/23/2006  
Number of Days to Update: 41

Source: Department of Environmental Quality  
Telephone: 405-702-5100  
Last EDR Contact: 06/30/2006  
Next Scheduled EDR Contact: 09/11/2006  
Data Release Frequency: Semi-Annually

**OK COMPLAINT:** Oklahoma Complaint System Database  
Environmental complaints reported to the Oklahoma Corporation Commission.

Date of Government Version: 03/27/2006  
Date Data Arrived at EDR: 04/05/2006  
Date Made Active in Reports: 05/12/2006  
Number of Days to Update: 37

Source: Oklahoma Corporation Commission  
Telephone: 405-521-2384  
Last EDR Contact: 07/03/2006  
Next Scheduled EDR Contact: 10/02/2006  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## TRIBAL RECORDS

### **INDIAN RESERV:** Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2004	Source: USGS
Date Data Arrived at EDR: 02/08/2005	Telephone: 202-208-3710
Date Made Active in Reports: 08/04/2005	Last EDR Contact: 05/12/2006
Number of Days to Update: 177	Next Scheduled EDR Contact: 08/07/2006
	Data Release Frequency: Semi-Annually

### **INDIAN LUST:** Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahmoa.

Date of Government Version: 01/04/2005	Source: EPA Region 6
Date Data Arrived at EDR: 01/21/2005	Telephone: 214-665-6597
Date Made Active in Reports: 02/28/2005	Last EDR Contact: 05/23/2006
Number of Days to Update: 38	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: Varies

### **INDIAN UST:** USTs on Indian Land

Date of Government Version: 12/14/2005	Source: Environmental Protection Agency, Region 6
Date Data Arrived at EDR: 12/14/2005	Telephone: 214-665-7591
Date Made Active in Reports: 01/23/2006	Last EDR Contact: 05/23/2006
Number of Days to Update: 40	Next Scheduled EDR Contact: 08/21/2006
	Data Release Frequency: Varies

## EDR PROPRIETARY RECORDS

### **Manufactured Gas Plants:** EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### **EDR Historical Auto Stations:** EDR Proprietary Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc.

Date of Government Version: N/A	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: N/A	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

### **EDR Historical Cleaners:** EDR Proprietary Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## **OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

### **CT MANIFEST:** Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004  
Date Data Arrived at EDR: 02/17/2006  
Date Made Active in Reports: 04/07/2006  
Number of Days to Update: 49

Source: Department of Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 06/14/2006  
Next Scheduled EDR Contact: 09/11/2006  
Data Release Frequency: Annually

### **NY MANIFEST:** Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/02/2006  
Date Data Arrived at EDR: 05/31/2006  
Date Made Active in Reports: 06/27/2006  
Number of Days to Update: 27

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 05/31/2006  
Next Scheduled EDR Contact: 08/28/2006  
Data Release Frequency: Annually

### **WI MANIFEST:** Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 03/17/2006  
Date Made Active in Reports: 05/02/2006  
Number of Days to Update: 46

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 07/11/2006  
Next Scheduled EDR Contact: 10/09/2006  
Data Release Frequency: Annually

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

### **Electric Power Transmission Line Data**

Source: PennWell Corporation  
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### **AHA Hospitals:**

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## **Medical Centers: Provider of Services Listing**

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

## **Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

## **Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

## **Private Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

## **Daycare Centers: Day Care Centers**

Source: Department of Human Services

Telephone: 405-521-3561

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## **Scanned Digital USGS 7.5' Topographic Map (DRG)**

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## **STREET AND ADDRESS INFORMATION**

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

DONALD A. ROUSH USARC  
1720 OPAL STREET  
CLINTON, OK 73601

### TARGET PROPERTY COORDINATES

Latitude (North):	35.50580 - 35° 30' 20.9"
Longitude (West):	98.982 - 98° 58' 55.2"
Universal Tranverse Mercator:	Zone 14
UTM X (Meters):	501632.4
UTM Y (Meters):	3928937.8
Elevation:	1597 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	35098-E8 CLINTON, OK
Most Recent Revision:	1983
South Map:	35098-D8 BESSIE, OK
Most Recent Revision:	1983

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

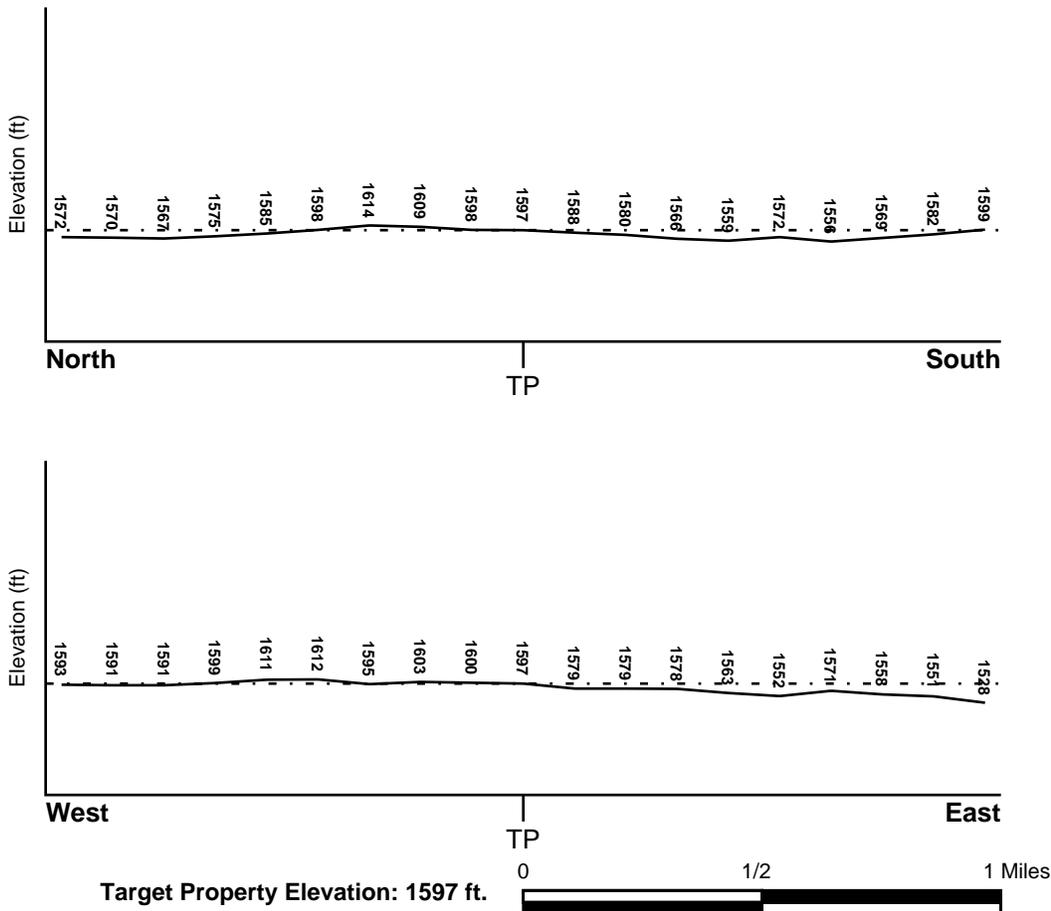
## TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SSE

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## FEMA FLOOD ZONE

<u>Target Property County</u>	<u>FEMA Flood Electronic Data</u>
CUSTER, OK	Not Available

Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

## NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
CLINTON	Not Available

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

## AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

### **ROCK STRATIGRAPHIC UNIT**

Era: Paleozoic  
System: Permian  
Series: Upper part of Leonardian Series  
Code: P3b (*decoded above as Era, System & Series*)

### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

## **DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY**

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: ST. PAUL

Soil Surface Texture: silt loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	12 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 2.00 Min: 0.60	Max: 7.80 Min: 6.60
2	12 inches	18 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 2.00 Min: 0.60	Max: 7.80 Min: 6.60
3	18 inches	34 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 0.60 Min: 0.20	Max: 8.40 Min: 7.40
4	34 inches	45 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 0.60 Min: 0.20	Max: 8.40 Min: 7.40
5	45 inches	56 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 0.60 Min: 0.20	Max: 8.40 Min: 7.40
6	56 inches	70 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 2.00 Min: 0.20	Max: 8.40 Min: 7.90

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: No Other Soil Types

Surficial Soil Types: No Other Soil Types

Shallow Soil Types: clay loam  
silty clay loam

Deeper Soil Types: weathered bedrock

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

## WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
2	USGS2772334	1/4 - 1/2 Mile SE

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

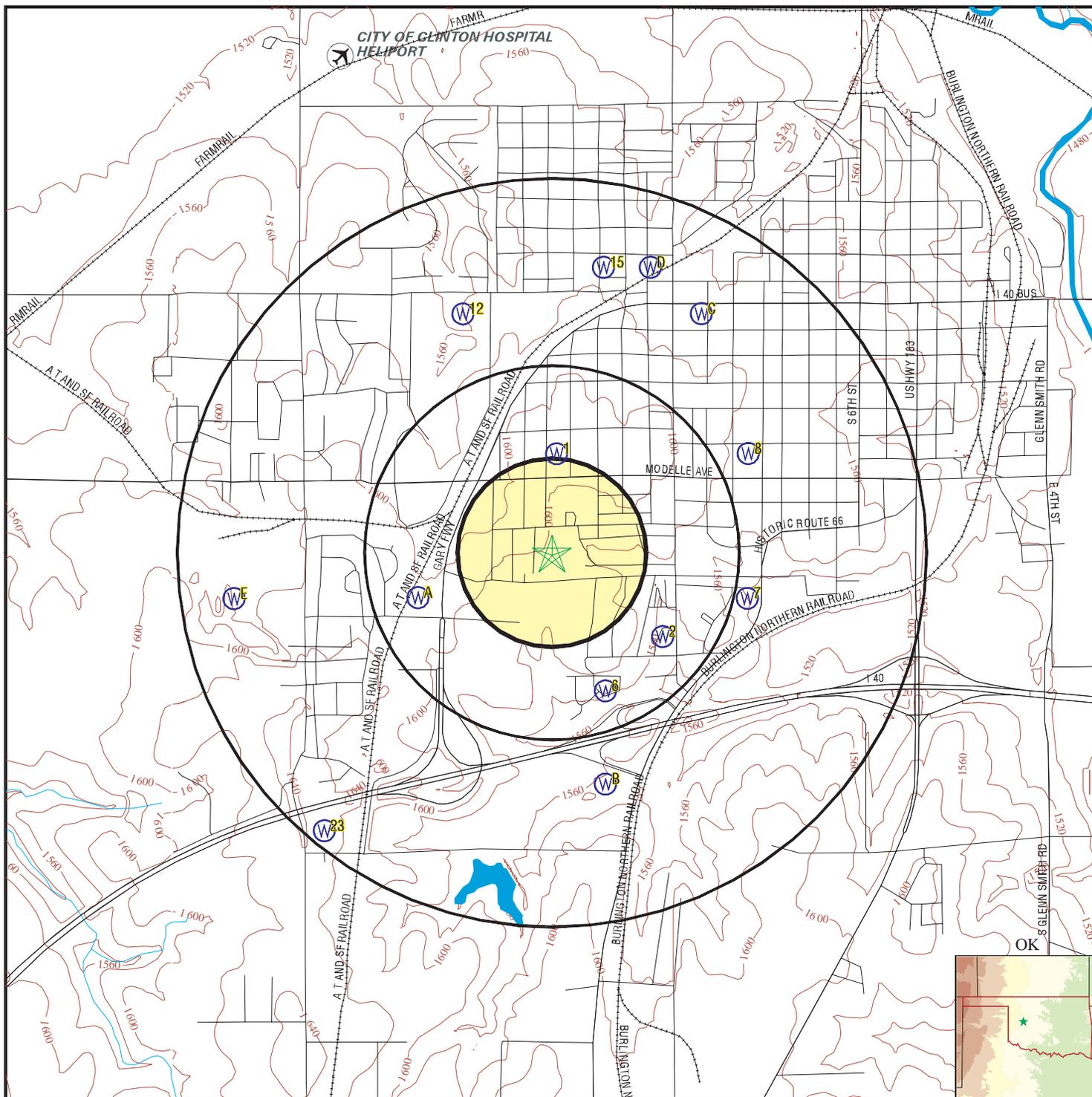
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	OK00024608	1/4 - 1/2 Mile North
A3	OK00024997	1/4 - 1/2 Mile WSW
A4	OK00024996	1/4 - 1/2 Mile WSW
A5	OK00024995	1/4 - 1/2 Mile WSW
6	OK00025003	1/4 - 1/2 Mile SSE
7	OK00024490	1/2 - 1 Mile ESE
8	OK00025105	1/2 - 1 Mile ENE
B9	OK00024491	1/2 - 1 Mile SSE
B10	OK00024615	1/2 - 1 Mile SSE
B11	OK00024616	1/2 - 1 Mile SSE
12	OK00024609	1/2 - 1 Mile NNW
C13	OK00024537	1/2 - 1 Mile NNE
C14	OK00024463	1/2 - 1 Mile NNE
15	OK00024606	1/2 - 1 Mile North
D16	OK00024607	1/2 - 1 Mile NNE
D17	OK00025113	1/2 - 1 Mile NNE
D18	OK00024976	1/2 - 1 Mile NNE
D19	OK00024971	1/2 - 1 Mile NNE
E20	OK00024614	1/2 - 1 Mile West
E21	OK00024613	1/2 - 1 Mile West

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
E22	OK00024612	1/2 - 1 Mile West
23	OK00024969	1/2 - 1 Mile SW

# PHYSICAL SETTING SOURCE MAP - 1714475.2s



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location

SITE NAME: Donald A. Roush USARC  
 ADDRESS: 1720 Opal Street  
 Clinton OK 73601  
 LAT/LONG: 35.5058 / 98.9820

CLIENT: ENSAFE  
 CONTACT: Phil Hardy  
 INQUIRY #: 1714475.2s  
 DATE: July 13, 2006

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**  
**North**  
**1/4 - 1/2 Mile**  
**Higher**

**OK WELLS      OK00024608**

Well id:	61099	County:	Custer
Well name:	n/a	Qtrs:	SESWSE
Owner name:	KENNETH HAMAR	Latitude:	35.509634
Sec twp rge:	15-12N-17WI	Date const:	01/03/94
Longitude:	-98.981775	Usage:	Site Assessment
Dpc no:	n/a	Td:	11
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

**2**  
**SE**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS      USGS2772334**

Agency cd:	USGS	Site no:	353009098583501
Site name:	12N-17W-22 AAD 1		
Latitude:	353009	Dec lat:	35.50255
Longitude:	0985835	Coor meth:	M
Dec lon:	-98.9767514	Latlong datum:	NAD27
Coor accr:	S	District:	40
Dec latlong datum:	NAD83	County:	039
State:	40	Land net:	SENESES22 T12N R17W I
Country:	US	Map scale:	62500
Location map:	CLINTON	Altitude method:	M
Altitude:	1620	Altitude datum:	NGVD29
Altitude accuracy:	1		
Hydrologic:	Upper Washita. Oklahoma. Area = 3190 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	CST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	460	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

**A3**  
**WSW**  
**1/4 - 1/2 Mile**  
**Higher**

**OK WELLS      OK00024997**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	71958	County:	Custer
Well name:	n/a	Qtrs:	NWSENW
Owner name:	Okla. Corporation Commission	Latitude:	35.504057
Sec twp rge:	22-12N-17WI	Date const:	08/01/02
Longitude:	-98.988341	Usage:	Water Quality
Dpc no:	DPC-0283	Td:	25
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

**A4**  
**WSW**  
**1/4 - 1/2 Mile**  
**Higher**

**OK WELLS      OK00024996**

Well id:	71957	County:	Custer
Well name:	n/a	Qtrs:	NWSENW
Owner name:	Okla. Corp. Commission	Latitude:	35.504057
Sec twp rge:	22-12N-17WI	Date const:	08/02/02
Longitude:	-98.988341	Usage:	Water Quality
Dpc no:	DPC-0283	Td:	25
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

**A5**  
**WSW**  
**1/4 - 1/2 Mile**  
**Higher**

**OK WELLS      OK00024995**

Well id:	71956	County:	Custer
Well name:	n/a	Qtrs:	NWSENW
Owner name:	Okla. Corporation Commission	Latitude:	35.504057
Sec twp rge:	22-12N-17WI	Date const:	08/02/02
Longitude:	-98.988341	Usage:	Water Quality
Dpc no:	DPC-0283	Td:	24
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

**6**  
**SSE**  
**1/4 - 1/2 Mile**  
**Lower**

**OK WELLS      OK00025003**

Well id:	74061	County:	Custer
Well name:	n/a	Qtrs:	NWNESE
Owner name:	OCC Lust Trust Fund	Latitude:	35.500443
Sec twp rge:	22-12N-17WI	Date const:	09/18/02
Longitude:	-98.979462	Usage:	Water Quality
Dpc no:	DPC-0650	Td:	25
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**7**  
**ESE**  
**1/2 - 1 Mile**  
**Lower**

**OK WELLS      OK00024490**

Well id:	53639	County:	Custer
Well name:	n/a	Qtrs:	NESWNW
Owner name:	Conoco	Latitude:	35.504032
Sec twp rge:	23-12N-17WI	Date const:	07/07/00
Longitude:	-98.972743	Usage:	Water Quality
Dpc no:	DPC-0197	Td:	15
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

**8**  
**ENE**  
**1/2 - 1 Mile**  
**Lower**

**OK WELLS      OK00025105**

Well id:	88281	County:	Custer
Well name:	n/a	Qtrs:	SESWSW
Owner name:	Dr. David Boone	Latitude:	35.509645
Sec twp rge:	14-12N-17WI	Date const:	06/17/04
Longitude:	-98.972699	Usage:	Domestic
Dpc no:	DPC-0159	Td:	223
Well type:	Groundwater Well	Est yld:	8
Static wl:	n/a		
Surf elev:	n/a		

**B9**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**OK WELLS      OK00024491**

Well id:	53741	County:	Custer
Well name:	n/a	Qtrs:	NWSESE
Owner name:	Hutchinson Oil Company	Latitude:	35.496829
Sec twp rge:	22-12N-17WI	Date const:	07/24/00
Longitude:	-98.979462	Usage:	Water Quality
Dpc no:	DPC-0363	Td:	20
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

**B10**  
**SSE**  
**1/2 - 1 Mile**  
**Lower**

**OK WELLS      OK00024615**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	61106	County:	Custer
Well name:	n/a	Qtrs:	NWSESE
Owner name:	PHELPS 66	Latitude:	35.496829
Sec twp rge:	22-12N-17WI	Date const:	08/11/99
Longitude:	-98.979462	Usage:	Site Assessment
Dpc no:	n/a	Td:	15
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

**B11  
SSE  
1/2 - 1 Mile  
Lower**

**OK WELLS      OK00024616**

Well id:	61108	County:	Custer
Well name:	n/a	Qtrs:	NWSESE
Owner name:	BRAD ANESHANSLEY	Latitude:	35.496829
Sec twp rge:	22-12N-17WI	Date const:	09/29/98
Longitude:	-98.979462	Usage:	Site Assessment
Dpc no:	n/a	Td:	11
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

**12  
NNW  
1/2 - 1 Mile  
Lower**

**OK WELLS      OK00024609**

Well id:	61100	County:	Custer
Well name:	n/a	Qtrs:	NENESW
Owner name:	ANESHANGLEY	Latitude:	35.515055
Sec twp rge:	15-12N-17WI	Date const:	11/03/98
Longitude:	-98.986215	Usage:	Site Assessment
Dpc no:	n/a	Td:	11
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

**C13  
NNE  
1/2 - 1 Mile  
Lower**

**OK WELLS      OK00024537**

Well id:	57971	County:	Custer
Well name:	n/a	Qtrs:	NWNWSW
Owner name:	Hutchinson Oil Company	Latitude:	35.515066
Sec twp rge:	14-12N-17WI	Date const:	12/29/00
Longitude:	-98.974919	Usage:	Water Quality
Dpc no:	DPC-0363	Td:	n/a
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**C14**  
**NNE**  
**1/2 - 1 Mile**  
**Lower**

**OK WELLS      OK00024463**

Well id:	47758	County:	Custer
Well name:	n/a	Qtrs:	NWNWSW
Owner name:	Hutchinson Oil Company	Latitude:	35.515066
Sec twp rge:	14-12N-17WI	Date const:	10/26/99
Longitude:	-98.974919	Usage:	Water Quality
Dpc no:	DPC-0363	Td:	15
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

**15**  
**North**  
**1/2 - 1 Mile**  
**Lower**

**OK WELLS      OK00024606**

Well id:	61097	County:	Custer
Well name:	n/a	Qtrs:	SWSENE
Owner name:	AL THOMPSON	Latitude:	35.516862
Sec twp rge:	15-12N-17WI	Date const:	08/20/98
Longitude:	-98.979555	Usage:	Site Assessment
Dpc no:	n/a	Td:	12
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

**D16**  
**NNE**  
**1/2 - 1 Mile**  
**Lower**

**OK WELLS      OK00024607**

Well id:	61098	County:	Custer
Well name:	n/a	Qtrs:	SESENE
Owner name:	AL THOMPSON	Latitude:	35.516862
Sec twp rge:	15-12N-17WI	Date const:	09/18/98
Longitude:	-98.977334	Usage:	Site Assessment
Dpc no:	n/a	Td:	12
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

**D17**  
**NNE**  
**1/2 - 1 Mile**  
**Lower**

**OK WELLS      OK00025113**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well id:	92243	County:	Custer
Well name:	MW5-8	Qtrs:	SESENE
Owner name:	MCKINSEY SS-ESS	Latitude:	35.516862
Sec twp rge:	15-12N-17WI	Date const:	02/18/05
Longitude:	-98.977334	Usage:	Site Assessment
Dpc no:	DPC-0197	Td:	30
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	16		
Surf elev:	n/a		

**D18**  
**NNE**  
**1/2 - 1 Mile**  
**Lower**

**OK WELLS    OK00024976**

Well id:	71456	County:	Custer
Well name:	n/a	Qtrs:	SESENE
Owner name:	McKenzie Service	Latitude:	35.516862
Sec twp rge:	15-12N-17WI	Date const:	05/02/02
Longitude:	-98.977334	Usage:	Water Quality
Dpc no:	DPC-0197	Td:	22
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

**D19**  
**NNE**  
**1/2 - 1 Mile**  
**Lower**

**OK WELLS    OK00024971**

Well id:	68624	County:	Custer
Well name:	n/a	Qtrs:	SESENE
Owner name:	Conoco	Latitude:	35.516862
Sec twp rge:	15-12N-17WI	Date const:	12/27/01
Longitude:	-98.977334	Usage:	Water Quality
Dpc no:	DPC-0197	Td:	25
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

**E20**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**OK WELLS    OK00024614**

Well id:	61105	County:	Custer
Well name:	n/a	Qtrs:	NWSENE
Owner name:	ACME BRICK	Latitude:	35.504022
Sec twp rge:	21-12N-17WI	Date const:	05/01/91
Longitude:	-98.997054	Usage:	Site Assessment
Dpc no:	n/a	Td:	16
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database      EDR ID Number

**E21**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**OK WELLS      OK00024613**

Well id:	61104	County:	Custer
Well name:	n/a	Qtrs:	NWSENE
Owner name:	ACME BRICK	Latitude:	35.504022
Sec twp rge:	21-12N-17WI	Date const:	02/25/91
Longitude:	-98.997054	Usage:	Site Assessment
Dpc no:	n/a	Td:	16
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

**E22**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**OK WELLS      OK00024612**

Well id:	61103	County:	Custer
Well name:	n/a	Qtrs:	NWSENE
Owner name:	ACME BRICK	Latitude:	35.504022
Sec twp rge:	21-12N-17WI	Date const:	02/22/91
Longitude:	-98.997054	Usage:	Site Assessment
Dpc no:	n/a	Td:	17
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

**23**  
**SW**  
**1/2 - 1 Mile**  
**Higher**

**OK WELLS      OK00024969**

Well id:	70252	County:	Custer
Well name:	n/a	Qtrs:	SWSWSW
Owner name:	Quality Screen Printing	Latitude:	35.495021
Sec twp rge:	22-12N-17WI	Date const:	03/21/02
Longitude:	-98.99278	Usage:	Water Quality
Dpc no:	DPC-0197	Td:	25
Well type:	Monitoring Well	Est yld:	n/a
Static wl:	n/a		
Surf elev:	n/a		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: OK Radon

### Radon Test Results

Zip	Total Sites	# Sites>4 pCi/L	Max pCi/L	Average pCi/L
73601	15	0	2.7	1.24

Federal EPA Radon Zone for CUSTER County: 3

Note: Zone 1 indoor average level > 4 pCi/L.  
 : Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
 : Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for Zip Code: 73601

Number of sites tested: 7

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.214 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### **USGS 7.5' Digital Elevation Model (DEM)**

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### **Scanned Digital USGS 7.5' Topographic Map (DRG)**

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### **AQUIFLOW<sup>R</sup> Information System**

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### **Geologic Age and Rock Stratigraphic Unit**

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### **STATSGO: State Soil Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### **SSURGO: Soil Survey Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### **PWS:** Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### **PWS ENF:** Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### **USGS Water Wells:** USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### **Public Water Supply Well Data**

Source: Oklahoma Water Resources Board

Telephone: 405-530-8800

## OTHER STATE DATABASE INFORMATION

### RADON

#### **State Database: OK Radon**

Source: Department of Environmental Quality

Telephone: 405-702-5100

Radon Information

#### **Area Radon Information**

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### **EPA Radon Zones**

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

#### **Airport Landing Facilities:** Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

#### **Epicenters:** World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STREET AND ADDRESS INFORMATION

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"Linking Technology with Tradition"®

## Sanborn® Map Report

**Ship To:** Phil Hardy

ENSAFE

5724 Summer Trees Drive

Memphis, TN 38134

**Order Date:** 7/13/2006 **Completion Date:** 7/13/2006

**Inquiry #:** 1714475.3

**P.O. #:** 0888802978 0018 TS01

**Site Name:** Donald A. Roush USARC

**Address:** 1720 Opal Street

**City/State:** Clinton, OK 73601

**Cross Streets:**

**Customer Project:** TEJV ECP Proj.

1013941ERN

850-457-1796

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

**NO COVERAGE**

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# **The EDR Aerial Photo Decade Package**

**Donald A. Roush USARC  
1720 Opal Street  
Clinton, OK 73601**

**Inquiry Number: 1714475.5**

**July 13, 2006**



## **The Standard in Environmental Risk Management Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

# EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

This document reports that EDR searched its own collection or select outside repository collections of aerial photography, and based on client-supplied target property information, aerial photography, including the target property was not deemed reasonably ascertainable by Environmental Data Resources, Inc. (EDR). This no coverage determination reflects a search only of aerial photography repository collections that EDR accessed. It can not be concluded from this search that no coverage for the target property exists anywhere, in any collection.

## NO COVERAGE

***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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**EDR**® Environmental  
Data Resources Inc

**The EDR-City Directory**  
*Abstract*

**Donald A. Roush USARC**  
1720 Opal Street  
Clinton, OK 73601

**Inquiry Number: 1714475.6**

**Monday, July 17, 2006**

**The Standard in  
Environmental Risk  
Management Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

**Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

## EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

***Thank you for your business.***

Please contact EDR at 1-800-352-0050  
with any questions or comments.

### **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.**

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## **SUMMARY**

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1962 through 2005. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

**Date EDR Searched Historical Sources:** July 17, 2006

**Target Property:**

1720 Opal Street  
Clinton, OK 73601

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	Address Not Listed in Research Source	Polk's City Directory
1967	US Army Reserve Center	Polk's City Directory
1973	US Army Reserve Center	Polk's City Directory
1979	US Army Reserve Center	Polk's City Directory
1984	US Army Reserve Center	Polk's City Directory
1989	US Army Reserve Center	Polk's City Directory
1994	US Army Reserve Center	Polk's City Directory
2000	US Army Reserve Center	Polk's City Directory
2005	US Army Reserve Center	Polk's City Directory

**Adjoining Properties**

**SURROUNDING**

Multiple Addresses  
Clinton, OK 73601

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	<u>**OPAL ST**</u>	Polk's City Directory
	Address not listed in research source (1608)	Polk's City Directory
	USA Reserve Center (1704)	Polk's City Directory
	Residence (1708)	Polk's City Directory
	Residence (1822)	Polk's City Directory
	Address not listed in research source (1823)	Polk's City Directory
	No other addresses 1600-1899	Polk's City Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1962	<b><u>**PHILLIPS LN**</u></b>	Polk's City Directory
	Address not listed in research source (712)	Polk's City Directory
1967	<b><u>**OPAL ST**</u></b>	Polk's City Directory
	Address not listed in research source (1608)	Polk's City Directory
	Residence (1708)	Polk's City Directory
	Residence (1822)	Polk's City Directory
	Address not listed in research source (1823)	Polk's City Directory
	No other addresses 1600-1899	Polk's City Directory
	<b><u>**PHILLIPS LN**</u></b>	Polk's City Directory
	Address not listed in research source (712)	Polk's City Directory
1973	<b><u>**OPAL ST**</u></b>	Polk's City Directory
	Residence (1608)	Polk's City Directory
	Address not listed in research source (1708)	Polk's City Directory
	Residence (1822)	Polk's City Directory
	Address not listed in research source (1823)	Polk's City Directory
	No other addresses 1600-1899	Polk's City Directory
	<b><u>**PHILLIPS LN**</u></b>	Polk's City Directory
	Residence (712)	Polk's City Directory
1979	<b><u>**OPAL ST**</u></b>	Polk's City Directory
	Address not listed in research source (1708)	Polk's City Directory
	Residence (1822)	Polk's City Directory
	Address not listed in research source (1823)	Polk's City Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1979	No other addresses 1600-1899	Polk's City Directory
	<b><u>**PHILLIPS LN**</u></b>	Polk's City Directory
	Residence (712)	Polk's City Directory
1984	<b><u>**OPAL ST**</u></b>	Polk's City Directory
	Residence (1708)	Polk's City Directory
	Residence (1822)	Polk's City Directory
	Address not listed in research source (1823)	Polk's City Directory
	No other addresses 1600-1899	Polk's City Directory
	<b><u>**PHILLIPS LN**</u></b>	Polk's City Directory
	Residence (712)	Polk's City Directory
1989	<b><u>**OPAL ST**</u></b>	Polk's City Directory
	Residence (1708)	Polk's City Directory
	Residence (1822)	Polk's City Directory
	Address not listed in research source (1823)	Polk's City Directory
	No other addresses 1600-1899	Polk's City Directory
	<b><u>**PHILLIPS LN**</u></b>	Polk's City Directory
	Residence (712)	Polk's City Directory
1994	<b><u>**OPAL ST**</u></b>	Polk's City Directory
	Residence (1708)	Polk's City Directory
	Residence (1822)	Polk's City Directory
	Residence (1823)	Polk's City Directory
	No other addresses 1600-1899	Polk's City Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1994	<b><u>**PHILLIPS LN**</u></b>	Polk's City Directory
	Residence (712)	Polk's City Directory
2000	<b><u>**OPAL ST**</u></b>	Polk's City Directory
	Not Verified (1708)	Polk's City Directory
	Residence (1822)	Polk's City Directory
	No other addresses 1600-1899	Polk's City Directory
	<b><u>**PHILLIPS LN**</u></b>	Polk's City Directory
	Mann & Meacham Cattle Co (712)	Polk's City Directory
2005	<b><u>**OPAL ST**</u></b>	Polk's City Directory
	No Current Listing (1708)	Polk's City Directory
	Residence (1822)	Polk's City Directory
	No other addresses 1600-1899	Polk's City Directory
	<b><u>**PHILLIPS LN**</u></b>	Polk's City Directory
	Residence (712)	Polk's City Directory



**EDR**® Environmental  
Data Resources Inc

**EDR Historical  
Topographic Map  
Report**

**Donald A. Roush USARC  
1720 Opal Street  
Clinton, OK 73601**

**Inquiry Number: 1714475.4**

**July 14, 2006**

**The Standard in  
Environmental Risk  
Management Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

**Nationwide Customer Service**

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# EDR Historical Topographic Map Report

Environmental Data Resources, Inc.'s (EDR) Historical Topographic Map Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR Historical Topographic Map Report includes a search of available public and private color historical topographic map collections. For more than a century, the USGS has been creating and revising topographic maps for the entire country at a variety of scales. There are about 60,000 U.S. Geological Survey (USGS) produced topographic maps covering the United States.

## References

To meet the prior use requirements of ASTM E 1527-05, Section 8.3.2, the following *standard historical sources* may be used: aerial photographs, fire insurance maps, property tax files, land title records (although these cannot be the sole historical source consulted), topographic maps, city directories, building department records, or zoning/land use records. ASTM E 1527-05, Section 8.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. ASTM E 1527-05 requires *"All obvious uses of the property shall be identified from the present, back to the property's first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary and both reasonably ascertainable and likely to be useful."* (ASTM E 1527-05, Section 8.3.2) *Reasonably ascertainable means information that is publicly available, obtainable from a source within reasonable time and cost constraints, and practically reviewable.*

EPA's Standards and Practices for All Appropriate Inquiries (AAI), Section § 312.24, identifies the historical sources of information necessary to achieve the objectives and performance factors of § 312.20. According to AAI, *"historical documents and records may include, but are not limited to, aerial photographs, fire insurance maps, building department records, chain of title documents, and land use records."*

## References

In order to address data gaps, additional sources of information may be consulted. According to the AAI, Section § 312.20 (g), *"to the extent there are data gaps (as defined in § 312.10) in the information developed...that affect the ability of persons (including the environmental professional) conducting the all appropriate inquiries to identify conditions indicative of releases or threatened releases...such persons should identify such data gaps, identify the sources of information consulted to address such data gaps, and comment upon the significance of such data gaps."* According to ASTM E 1527-05, Section 8.3.2.3, *"historical research is complete when either: (1) the objectives in 8.3.1 through 8.3.2.2 are achieved; or (2) data failure is encountered. Data failure occurs when all of the standard historical sources that are reasonably ascertainable and likely to be useful have been reviewed and yet the objectives have not been met....If data failure is encountered, the report shall document the failure and, if any of the standard historical sources were excluded, give the reasons for their exclusion."*

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# Quadrangle Relation Chart

Inquiry # 1714475.4

CLINTON, OK.

TARGET QUAD

BESSIE, OK.

ADJOINING QUAD