

FINAL

**ENVIRONMENTAL CONDITION OF PROPERTY
REPORT**

**1st LT PAUL LAVERGNE
U.S. ARMY RESERVE CENTER (PR003)
STATE ROAD 167
KM 5.0 HIGHWAY 8
BAYAMÓN, PR 00936-0350**

Prepared For:

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

AUGUST 2007

CERTIFICATION

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

JESUS M. GALVEZ, REM, CEA, CSI
Environmental Division ARIM
Chief, Environmental Division
65th Regional Readiness Command

DATE:

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



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

DATE

Executive Summary

CH2M HILL, under contract to the U.S. Army Corps of Engineers, Louisville District, has prepared this Environmental Condition of Property (ECP) Report for the 1st LT Paul Lavergne U.S. Army Reserve (USAR) Center (Facility ID: PR003), hereafter referred to as the "Property" or "USAR Center." The Property is located at State Road 167, KM 5.0 Highway 8, Bayamón, Puerto Rico 00936-0350, and encompasses approximately 7.15 acres.

This ECP Report was conducted in conformance with the Department of Defense's Base Redevelopment and Realignment Manual, DoD 4165.66-M, Army Regulation 200-1, and the American Society for Testing and Materials Designation D6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys*.

This ECP Report details the history of the Property, including the U.S. Army Reserve and any prior tenant uses of the Property and the resulting environmental condition of the Property.

The USAR Center is on approximately 7.15 acres of land with three permanent structures, an approximately 12,400-square-foot, two-story administrative building, an approximately 4,500-square-foot Organizational Maintenance Shop (OMS) building, and an approximately 2,600-square-foot mess hall. The USAR Center is currently occupied by the HHD 393rd Quarter Master (QM) Battalion and the 973rd QM Company (deployed at the time of the site reconnaissance).

Based on a review of aerial photographs and U.S. Geological Survey topographical maps dating back to 1962, the administration building and OMS were present in 1962, with increased development of the Property and surrounding area up until 2005.

The Property was originally part of the Fort Buchanan Military Reservation. In 1959, the U.S. Government reassigned land for construction of the USAR Center. The Property has served as a reserve and mobilization center for the USAR since the U.S. Government began development of the land in 1960.

Areas of potential environmental concern were reviewed, and CH2M HILL identified a petroleum spill in the former flammable materials storage area and other *de minimis* leaks from military vehicles and potential leaks from an oil/water separator relating to the USAR use of the Property.

In accordance with Department of Defense policy defining the classifications (see Sherri Goodman Memorandum dated 21 October 1996), the Property has been classified as Type 2. This classification does not include categorizing these parcels based on *de minimis* conditions that generally do not present material risk of harm to 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.

Contents

Section	Page
Executive Summary	v
Abbreviations and Acronyms	xi
1. Introduction	1-1
1.1 Purpose of Environmental Condition of Property	1-1
1.2 Scope of Services	1-2
2. Site Location and Physical Description	2-1
2.1 Site Location	2-1
2.2 Asset Information	2-1
2.3 Physical Description	2-1
2.4 Site Hydrology and Geology.....	2-3
2.4.1 Surface Water Characteristics	2-3
2.4.2 Hydrogeological Characteristics.....	2-4
2.5 Site Utilities.....	2-4
2.6 Water Supply Wells and Septic Systems	2-5
3. Site History	3-1
3.1 History of Ownership	3-1
3.2 Past Uses and Operations	3-1
3.3 Past Use, Storage, Disposal, and Release of Hazardous Substances	3-2
3.3.1 Past Use and Storage of Hazardous Substances.....	3-2
3.3.2 Past Disposal and Release of Hazardous Substances	3-4
3.4 Past Presence of Bulk Petroleum Storage Tanks	3-4
3.5 Review of Previous Environmental Reports	3-5
3.5.1 Stormwater Pollution Prevention Plan Comprehensive Site Compliance Evaluation Reports September 2000 through June 2005	3-5
3.5.2 May 2003 Remediation Program for Hydrocarbon Affected Soil.....	3-5
3.5.3 October 2005 Record of Environmental Consideration REC No. 05-001	3-6
3.5.4 Internal Environmental Compliance Assessment After Action Report July 2006	3-6
4. Adjacent Properties	4-1
4.1 Land Uses.....	4-1
4.2 Findings.....	4-1
5. Review of Regulatory Information	5-1
5.1 Federal Environmental Records	5-1
5.1.1 Federal National Priorities List Sites within 1-Mile.....	5-1
5.1.2 Federal Comprehensive Environmental Response, Compensation and Liability Act Information Systems Sites within 0.5-Mile.....	5-1
5.1.3 Resource Conservation and Recovery Act Corrective Action Sites within 1 Mile.....	5-1
5.1.4 RCRA Transport, Treatment, and/or Disposal Sites within 0.5 Mile	5-2
5.1.5 Federal RCRA Small and Large Quantity Generators List within 0.25 Mile	5-2

5.1.6	Federal Emergency Response Notification System List	5-2
5.2	State and Local Environmental Records	5-2
5.2.1	State Lists of Hazardous Waste Sites within 1 Mile	5-2
5.2.2	State-Registered Landfills or Solid Waste Disposal Sites within 0.5 Mile....	5-2
5.2.3	State-Registered Leaking Underground Storage Tank Sites within 0.5 Mile.....	5-2
5.2.4	State-Registered Underground Storage Tank Sites within 0.5 Mile.....	5-3
5.2.5	Records of Contaminated Public Wells.....	5-3
5.2.6	Voluntary Remediation Program Sites within 0.5 Mile	5-3
5.3	Unmapped Sites.....	5-3
5.4	Summary of Properties Evaluated to Determine Risk to the Property.....	5-3
6.	Site Investigation and Review of Hazards	6-1
6.1	USTs/ASTs.....	6-1
6.2	Inventory of Chemicals/Hazardous Substances	6-1
6.3	Waste Disposal Sites	6-2
6.4	Pits, Sumps, Drywells, and Catch Basins.....	6-2
6.5	Asbestos-containing Material	6-2
6.6	Polychlorinated Biphenyl-containing Equipment.....	6-2
6.7	Lead-based Paint	6-3
6.8	Radon	6-3
6.9	Munitions and Explosives of Concern	6-3
6.10	Radioactive Materials	6-3
7.	Review of Special Resources.....	7-1
7.1	Land Use.....	7-1
7.2	Coastal Zone Management	7-1
7.3	Wetlands.....	7-1
7.4	100-year Floodplain.....	7-1
7.5	Natural Resources	7-1
7.6	Cultural Resources	7-2
7.7	Other Special Resources	7-2
8.	Conclusions	8-1
8.1	Review of Findings.....	8-1
8.2	Environmental Condition of Property.....	8-3
9.	References	9-1

Appendixes

- A Figures
 - 1 General Site Location Map
 - 2 Site Layout Plan
 - 3 1982 USGS 7.5-Minute Topographic Map, Bayamón, Puerto Rico
 - 4 1962 Aerial Photograph
 - 5 1981 Aerial Photograph
 - 6 2005 Aerial Photograph
 - 7 National Wetlands Inventory Map
 - 8 Flood Plain Map
- B Site Reconnaissance Photographs
- C Property Acquisition Documents and Chain of Title Report
- D Previous Environmental Site Assessment Reports
- E Regulatory Database Search Report

Table

- 1 Hazardous Material/Hazardous Waste Inventory3-3

Abbreviations and Acronyms

The following is a comprehensive list of abbreviations and acronyms that are used throughout this report.

ACM	asbestos-containing material
AMSA	Area Maintenance Support Activity
AR	Army Regulation
ARIM	Army Reserve Installation Management
AST	aboveground storage tank
ASTM	American Society for Testing and Materials
bgs	below ground surface
BMP	Best Management Practice
BRAC	Base Realignment and Closure
BRRM	Base Redevelopment and Realignment Manual
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	CERCLA Information System
CONEX	Container Express
DoD	Department of Defense
ECP	environmental condition of property
EDR	Environmental Data Resources, Inc.
FEMA	Federal Emergency Management Agency
FINDS	Facility Index System/Facility Registry System
ICAS	Internal Environmental Compliance Assessment
kg	kilogram
LBP	lead-based paint
LUST	leaking underground storage tank
MEC	munitions and explosives of concern
MEP	military equipment parking
msl	mean sea level
NPL	National Priorities List

OMS	Organizational Maintenance Shop
OWS	oil/water separator
PCBs	polychlorinated biphenyls
pCi/L	picoCuries per liter of air
POL	petroleum, oil, and lubricant
POV	privately owned vehicle
PWS	public water supply
QM	Quarter Master
RCRA	Resource Conservation and Recovery Act
RCRIS	RCRA Information System
RRC	Regional Readiness Command
STATSGO	State Soil Geographic Database
SWAP	satellite waste accumulation point
SWPPP	stormwater pollution prevention plan
TSD	treatment, storage, or disposal
USACE	U.S. Army Corps of Engineers
USAR	U.S. Army Reserve
USEPA	U.S. Environmental Protection Agency
USGS	U.S. Geological Survey
UST	underground storage tank

1. Introduction

CH2M HILL, under contract to the U.S. Army Corps of Engineers (USACE) Louisville District Engineering Division, was authorized to conduct an Environmental Condition of Property (ECP) report for the 1st LT Paul Lavergne U.S. Army Reserve (USAR) Center (PR003), in response to the Base Realignment and Closure (BRAC) 2005 legislation. The facility is located at State Road 167, KM 5.0 Highway 8, Bayamón, Puerto Rico, and is hereafter referred to as the "Property" or "USAR Center." CH2M HILL prepared this ECP report under contract number W912QR-04-D-0020, Task Order No. 0018, with the Louisville District USACE.

A visual nonintrusive reconnaissance of the Property was conducted on August 3 and 4, 2006, in support of the ECP. The reconnaissance purpose was to visually obtain information indicating the likelihood of recognized environmental conditions associated with the Property or adjacent properties.

In preparing this ECP report, CH2M HILL gathered information from the available records and previous work from others; interviews with individuals purporting to be familiar with the Property; and observations from a site reconnaissance. The accuracy of the information obtained from these sources was not verified by CH2M HILL. As such, CH2M HILL will make no warranty, expressed or implied, relative to the accuracy, completeness, or reliability of the information used to create the records and reports prepared by others.

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) policy, set forth in the Base Redevelopment and Realignment Manual (BRRM) (DoD 4165.66-M, March 1, 2006) Section C8.3, 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 1 year or more—specifically, quantities exceeding 1,000 kilograms (kg) or the reportable quantity, whichever is greater, of the substances specified in 40 CFR 302.4, or 1 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 reportable quantity. Army Regulation (AR) 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 D6008-96 (2005), *Standard Practice for Conducting Environmental Baseline Surveys*, the BRRM, CERCLA § 120, and AR 200-1.

1.2 Scope of Services

This ECP report covers the 7.15-acre USAR Center located at State Road 167, KM 5.0 Highway 8, Bayamón, Puerto Rico. The Property is bounded by a liquified petroleum gas facility and State Road 5 to the north, by heavy vegetation and State Road 21 to the west, and by additional heavily forested vegetation and large hills to the east and south, respectively. All site maps, figures, and aerial photographs referenced herein are provided in Appendix A, while Appendix B contains the photographs taken during the August 3–4, 2006, site reconnaissance. Appendix C is reserved for the Property warranty deeds and chain of title information, and lease or permit agreements if applicable; however, none of these were available at the time of this Draft ECP report preparation. Relevant historical environmental documents and reports are provided in Appendix D, while Appendix E contains the Environmental Data Resources, Inc. (EDR) radius search reports commissioned for this effort.

This ECP report classifies those parcels slated for disposal into one of seven DoD Environmental ECP categories as defined by the DoD policy defining the classifications (see Sherri Goodman Memorandum dated 21 October 1996). The property classification categories are as follows:

- ECP Area Type 1 – An area or parcel of real property where no release or disposal of hazardous substances or petroleum products or their derivatives has occurred (including no migration of these substances from adjacent properties).
- ECP Area Type 2 – An area or parcel of real property where only the release or disposal of petroleum products or their derivatives has occurred.

- ECP Area Type 3— An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action.
- ECP Area Type 4— An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred and all remedial actions necessary to protect human health and the environment have been taken.
- ECP Area Type 5— An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred and removal or remedial actions, or both, are underway, but all required actions have not yet been taken.
- ECP Area Type 6— An area or parcel of real property where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred, but required response actions have not yet been initiated.
- ECP Area Type 7— An area or parcel of real property that is unevaluated or requires additional evaluation.

2. Site Location and Physical Description

2.1 Site Location

The USAR Center is located in Municipio de Bayamón on the northeast side of the city of Bayamón, Puerto Rico, at State Road 167, KM 5 Highway 8. A site location map is provided in Figure 1. The 7.15-acre parcel is situated southwest of a main urban area near the intersection of two main thoroughfares (State Roads 5 and 21), and is bordered by a liquified petroleum gas facility and heavy forested vegetation.

2.2 Asset Information

Facility Name and Address:	1st LT Paul Lavergne U.S. Army Reserve Center State Road 167, KM 5 Highway 8 Bayamón, Puerto Rico
Property Owner:	U.S. Government
Date of Ownership:	1959
Current Occupant:	HHD 393rd Quarter Master (QM) Battalion and the 973rd QM Company
Zoning:	Industrial for Storage
County, State:	Municipio de Bayamón (Municipality or County), Puerto Rico
U.S. Geological Survey (USGS) Quadrangle(s):	Bayamón
Section/Township/Range:	Section/Township/Range information for the Property was not available at the time of this Draft Final ECP report preparation
Latitude/longitude:	Latitude 18°24'37" North, Longitude 66°08'54" West
Legal Description:	Tract No. 6, Property No. 48411, situated and lying in Juan Sánchez Ward, Bayamón, Puerto Rico (Appendix C).

2.3 Physical Description

The USAR Center is located on a 7.15-acre parcel on the northeastern side of Bayamón, Puerto Rico, and contains three permanent structures and two parking lots. The administration building, Organizational Maintenance Shop (OMS), and mess hall were

constructed of reinforced concrete masonry unit and are situated on concrete foundations. The Property has approximately 5,968 square yards for privately owned vehicles (POV) and approximately 8,576 square yards for military equipment parking (MEP). Chain-link security fencing topped with razor wire encloses the MEP area, OMS, and small portion of the administration building. The remainder of the Property is secured by a cast iron decorative fence.

Approximately two-thirds of the Property is covered by impervious surface features such as asphalt parking areas, driveways, concrete walkways, and building footprints. The remaining land is grassed with a sparse population of evergreen trees clustered east of the administration building and a row of palm trees located west of the administration building.

The mess hall is approximately 2,600 square feet and a single-story, rectangular-shaped building located in the northeast portion of the property. According to interviewed personnel, the mess hall is not currently in use. During the site reconnaissance, the mess hall was locked, blocked by tables and/or other objects, and its interior therefore inaccessible.

The administration building is approximately 12,400 square feet and an L-shaped, multiple-level structure, with a two-story storage hall connected by an one-story enclosed corridor to the main administration section (see Appendix B, Photo B-6). The building's interior consists of office space, classrooms, and a kitchen/break area. An Emergency Backup Generator is located northeast of the administration building. According to site personnel, with the exception of the initial startup testing during installation, the generator had not been used or permitted due to the expected closure of the Property. The generator was secured inside a fenced area and appeared to be in good condition. No spill or leaks were noted near the generator.

Organizational Maintenance Shop

The single-story OMS is located in the southeast portion of the Property (see Appendix B, Photo B-5). The rectangular-shaped OMS is approximately 4,500 square feet and consists of office spaces, three maintenance bays, a battery storage room, and an elongated section containing several storage bays. A satellite waste accumulation point (SWAP) is also maintained inside the OMS along its western wall.

A flammable liquids storage cabinet (equipped with a spill containment platform) and two roofed sheds (equipped with secondary concrete containment) are currently used to store hazardous and non-hazardous regulated wastes. Wastes generated at the OMS are stored at these structures and eventually collected and disposed of off-site by a regulated waste refuse contractor. The storage cabinet is located south of the main building. Materials stored in the structures include used oil, used paint and solvents, used antifreeze, used transmission fluids, used dry-absorbent, and used rags.

Flammable Materials Storage Area

A review of Stormwater Pollution Prevention Plan (SWPPP) Comprehensive Site Compliance Evaluation Reports (prepared by USGS between September 2000 and June 2005) and the site reconnaissance identified the location of an abandoned concrete used oil storage area located southwest of the administrative building in a grassy area (see Appendix B, Photo B-13). However, according to information provided in an e-mail dated September 25,

2006, and site personnel, the concrete structure (according to 65th Regional Readiness Command [RRC] personnel) was not an abandoned used oil storage area, but was formerly used to store flammable materials. According to site personnel, use of the flammable materials storage area was stopped for safety reasons in approximately 1992.

Vehicle Wash Area

Comprehensive Site Compliance Evaluation Reports (prepared by USGS between 2000 and 2005) identified the location of an abandoned vehicle wash rack area located southwest of the OMS near the southwest border of the facility in the MEP area. According to site personnel, the Environmental Chief ordered the closure of the abandoned vehicle wash rack in 1993.

An active vehicle wash area is located east of the OMS (see Appendix B, Photo B-7). The sloped platform of the wash pad channels wash water to a central drain that is connected to an oil/water separator (OWS) via gravity line. The OWS discharges to the sanitary sewer system. On August 31, 2006, site personnel, informed the CH2M HILL representative that the 65th Regional Support Command periodically contracts with waste refuse contractors to perform a round of oil/water separator maintenance activities at several installations, including the Property, throughout Puerto Rico.

A site layout map is provided in Figure 2.

2.4 Site Hydrology and Geology

The area is characterized by nearly level plains to gently rolling hills. Surface elevations within a 1-mile radius of the Property range from 10 feet mean sea level (msl) to 249 feet msl. The Property location can be found on the USGS 7.5 minute Bayamón quadrangle map. As shown in the EDR Report, ground surface elevations at the center average 33 feet msl.

According to information acquired from the Soil Conservation Service's State Soil Geographic Database (STATSGO) for Municipio de Bayamón, specific types of soil at the Property are from Oxisols soil order. Oxisols are very highly weathered soils that are found primarily in the intertropical regions of the world.

The surface soils are generally clay loam and loamy sand. These soil types have slow to moderate infiltration rates with layers impeding the downward movement of water, and are characterized as soil with fine textures. A typical Bayamón soil profile consists of 8 inches of dark reddish brown clay topsoil and weak red clay subsoil to a depth of 7 feet, or more. According to information provided in the EDR Report, the soil does not meet the requirements for a hydric soil.

2.4.1 Surface Water Characteristics

Figure 3 in Appendix A provides a portion of the 1982 Bayamón, Puerto Rico, USGS topographic map that includes the Property. As shown, the Property is situated at an elevation of approximately 33 feet above msl and is relatively flat with increasing site elevation towards the south-southeast.

Stormwater that flows overland from paved areas located northwest of the mess hall and northeast of the OMS (in the MEP area) and from the northern section of the POV drains into a storm sewer line, which discharges into a small drainage ditch located north of the administration building. Stormwater that flows overland from paved areas located northeast of the OMS is collected and conveyed by a side gutter, which discharges into a drainage ditch at the southwest side of the Property. Both drainage ditches join outside the southwest corner of the Property and then flow towards the southwest, eventually discharging into the Bayamón River

With the exception of the previously described drainage ditches, no surface water features are located in the immediate vicinity of the Property. The Bayamón River, located within 0.5 mile west-southwest of the Property, is the closest major surface water feature.

2.4.2 Hydrogeological Characteristics

Hydrogeologically, Puerto Rico is divided into five groundwater areas: the North Coast, South Coast, West Coast, East Coast, and East Central. The Property is located in the North Coast area, which is underlain by limestone aquifers. The North Coast area is subdivided into four regions: Aguadilla-Hatillo, the Arecibo-Manatí, the Vega Baja-Toa Baja, and the Bayamón-Loíza regions. The Bayamón-Loíza region comprises an upper water-table aquifer made up of sedimentary rocks of Tertiary age and surficial deposits of Quaternary age; and a lower confined aquifer comprised mainly of sedimentary rocks. The upper and lower confined aquifers are separated by a confining unit of the Cibao Formation.

Regional ground-water flow in the upper and lower aquifers within the Bayamón-Loíza region is northward from surficial exposures of the formations of Tertiary age, where the recharge occurs. Groundwater also moves locally towards the main stream systems of the Río Bayamón, Río Piedras, and Río Grande de Loíza.

Site-specific information on groundwater and aquifer characteristics for the Property was not reasonably available at the time of this draft final report preparation. The depth to groundwater is unknown, however information provided in the EDR report suggests that the depth to water near the Property may be approximately 12 feet below ground surface (bgs). Commonly, shallow groundwater flow directions mimic surface topography, particularly near surface water bodies that are hydraulically connected to groundwater. The presence of the Bayamón River approximately 0.5 mile west-southwest of the Property and the consistent downward slope of topography from the Property to the river suggest that shallow groundwater beneath the Property likely follows the generally westward topographic gradient towards the river.

2.5 Site Utilities

Water Service— The Puerto Rico Aqueduct and Sewer Authority provides potable water service to the Property.

Sanitary Sewer System— Puerto Rico Aqueduct and Sewer Authority provides sanitary sewer service to the Property. The primary source of wastewater that is directed to the city sewer system includes nonprocess wastewater (bathrooms, sinks, etc.) and vehicle washing runoff.

Gas and Electric – Puerto Rico Electric and Power Authority provides electric service to the Property. The Property does not have natural gas services.

2.6 Water Supply Wells and Septic Systems

Based upon a review of available historical site and agency records and interviews with site personnel, neither a water-supply well nor a septic system is or was located at the Property. Potable water is supplied by Puerto Rico Aqueduct and Sewer Authority.

A search of federal and state water well databases identified the location of seven water wells within an approximately 0.5-mile radius of the Property. An additional 15 water wells were identified between a 0.5-mile and 1-mile radius of the Property. One public water supply (PWS) well was located approximately 1 mile southwest of the Property. Additional information regarding the water wells and the PWS is in the EDR Report provided in Appendix E.

3. Site History

3.1 History of Ownership

A Title Search Report and other historical documents relating the ownership of the Property are provided in Appendix C. The Title Search Report did not identify any liens and/or encumbrance against the USAR Center property. According to the Title Search Report, the Property is included as part of a larger property identified as Real Property No. 48411. Historical documents included in the Title Search Report shows the Property as part of a parent parcel identified as Tract No. 6, which is one of the tracts comprising the previously identified Real Property No. 48411. The Title Search Report indicates the U.S. Government acquired Tract No. 6, which originally consisted of 194.90 acres, from Maria Benigna Victoria Blanco Morales, et al., in 1940 and that 6.43 acres of Tract 6 were reassigned to the USAR in 1959.

3.2 Past Uses and Operations

The Property was originally a part of the Fort Buchanan Military Reservation and in 1959, the U.S. Government reassigned 6.43 acres of land for construction of the USAR Center. According to site personnel, development of the property first began in 1960. A February 1962 aerial photograph shows the construction of the administration building and OMS. The Property has served as a reserve and mobilization center for the USAR since the U.S. Government began development of the land in 1960.

The Property primarily functioned as an administrative, organizational maintenance, and training facility, with limited maintenance of military vehicles occurring in the OMS. The Property was historically used by reservists for drill activities on various weekends throughout the year. The facility is currently used to house the HHD 393rd QM Battalion and the 973rd QM (currently deployed) Company. At the time of the site reconnaissance, the administration building contained various items, including desks, office furniture, and folding tables.

The OMS was used to perform limited maintenance activities on military equipment. Activities inside the OMS were limited to preventative maintenance checks, including checking vehicle fluids such as motor oil, water, and antifreeze, and light maintenance activities. Any equipment requiring heavier maintenance activities was sent to an Area Maintenance Support Activity (AMSA) shop located at Fort Buchanan.

At the time of the site reconnaissance, the OMS contained a wheeled military vehicle, a 55-gallon drum for used absorbents, a 55-gallon drum for clean absorbents, a metal trash can containing discarded spray paint and spray enamel, two vehicle-parts cleaning stations located inside the maintenance bays, etc. A SWAP is also maintained inside the OMS along its western wall. A storage room located in the OMS contained vehicle batteries and battery maintenance supplies.

At the time of the site reconnaissance, an assortment of military vehicles was positioned in the MEP area. Drip pans were seen under each vehicle. Several Container Express (CONEX) structures/boxes were located along the northern and northeastern border of the MEP area. According to site personnel several of the locked CONEX boxes are controlled by the deployed 973rd QM Company. An unlocked CONEX box was found to be empty. According to site personnel, in preparation for the expected closure of the Property, stored equipment as well as equipment that was not planned for near-term use were being transported offsite.

Vehicle washing would have historically occurred adjacent to the OMS. The sloped platform of the wash pad channels wash water to a central drain that is connected to an OWS, which ultimately discharges to the municipal sanitary sewer. No storage tanks are associated with the OWS.

Historical aerial photographs and 1982 topographic map were the primary source of information on the past use and operations at the Property. Figures 3–6 in Appendix A provide a USGS topographical map and aerial views of the Property and surrounding areas in 1962, 1981, 1982, and 2005.

The 1982 USGS topographical map (Figure 3, Appendix A) shows the area surrounding the Property as undeveloped. Commercial Residential development is visible north-northeast of the Property.

The 1962 aerial photograph (Figure 4, Appendix A) shows what appears to be the administration building, the OMS, and military vehicles or CONEX structures in the MEP area. The area immediately surrounding the property appeared vacant and undisturbed. Building structures are located northwest and northeast of the Property. The Rio De Bayamón River, which is located within 0.5 mile of the Property, is not visible to the west-southwest.

The 1981 aerial photograph (Figure 5, Appendix A) shows increased development of the Property and adjacent properties relative to the 1962 aerial photograph. The 1981 aerial photograph shows what appears to be the mess hall and development of the neighboring facility to the north. The Rio De Bayamón River appears in the 1981 photograph, indicating it was constructed between February 1962 and March, 1981

The 2005 aerial photograph (Figure 6, Appendix A) shows the Property as it currently exists and increased development of the surrounding area and extension of the Bayamón River. The liquified petroleum gas facility and Juvenile Detention are visible to the northeast.

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 Property was compiled through a review of available site records, search of federal and state environmental databases, and interviews with Army Reserve personnel. Chemicals formerly used and stored at the Property were associated with vehicle and facility

maintenance activities, and janitorial services. Janitorial chemicals and building maintenance-related products were stored in the designated storage area within the janitorial closet located in the administration building. Vehicle maintenance products and small amounts of petroleum, oil, and lubricant (POL) products were also stored within designated areas within the OMS. Used oil, used paint and solvents, used antifreeze, used transmission fluids, used dry-absorbent, and used rags are also stored in the storage cabinet and roofed storage sheds located south of the OMS building. A former flammable materials storage area was historically used to store hazardous materials. The quantity and types of materials stored in this flammable materials storage area are unknown; however, a petroleum spill occurred in this area, as discussed in Section 3.3.2 below.

A July 31, 2006, inventory of materials is included in Table 1 below.

TABLE 1
 Hazardous Material/Hazardous Waste Inventory
 1st LT Paul Lavergne USARC

Description	NSN/CAS/Brand Name	Quantity	Units	Total
Hydraulic Fluid Dextron III	9150-00-698-2382	1	QT	182
AD Grease Hi-Temp Non-Metallic	NGL1 2-2.5	1	14 OZ	29
Grease	Royal Lubricants 9150-00-985-7316	4	Can	4
OE/HDO 15/40	9150-01-178-4725	1	QT	74
Antifreeze	6850-01-383-4068	1	GL	6
CLP (Brake Free)	Brake Free Inc. 9150-01-053-6688	1	GL	3
CLP (Brake Free)	Brake Free Inc. 9150-01-102-1473	1	0.69 OZ	4
OE/HDO 10	9150-00-186-6668	1	GL	7
GAA (Grease)	SOWESCO 9150-01-197-7692	1	5 GL Can	3
GAA (Grease)	SOWESCO 9150-01-197-7693	1	14 OZ	15
Brake Fluid Silicone	9150-01-102-9455	1	GL Can	19
Brake Fluid Silicone	9150-01-102-9455	1	GL Bottle	11
Oil	Rando 68	1	5 GL	1
Cleaning Comp Windshield	6850-00-926-2275	1	16 OZ	7
Multipurpose Cleaner	7930-00-926-5280	1	16 OZ	10
Lube-Oil Gen Purpose	9150-00-231-6689	1	QT	8
Diesel Additive	DEE-ZOL	1	4 OZ	2
Spealty Coating	Defender II	1	GL	2
Cleaner Lub & Preservative	9150-01-0254-6453	1	PT	1
Coagulant WTR Treatment	6850-01-167-5318	1	32 OZ	1

TABLE 1
 Hazardous Material/Hazardous Waste Inventory
 1st LT Paul Lavergne USARC

Description	NSN/CAS/Brand Name	Quantity	Units	Total
Dry Cleaning Solvent	6850-00-214-5421	1	5 GL CN	1
Hyd Auto Transmission	9150-00-657-4959	1	5 GL CN	1
Carbon Removing Compound	6850-00-965-2332	1	5 GL CN	1
15W40 Motor Oil	Fleet Motor Oil Co.	1	5 GL Plastic	1

Source: 973rd QM Company (WS) (DS) Hazardous Material/Hazardous Waste Inventory, Location: MP Storage Room July 31, 2006

3.3.2 Past Disposal and Release of Hazardous Substances

Information related to past disposal and potential release of hazardous substances at the Property was compiled through review of available site records, search of federal and state environmental databases, and interviews with Army Reserve personnel. According to Army Reserve personnel and site records, onsite disposal of hazardous substances has not occurred at the Property. No stained soil or stressed vegetation was observed during the August 2006 site reconnaissance. Additionally, the MEP area and POV parking area did not show any signs of staining and no noxious or foul odors were noted during the site reconnaissance.

3.4 Past Presence of 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, the Property maintains one active aboveground storage tank (AST). The vaulted 132-gallon, used-oil AST, located west-southwest of the OMS near the hazardous material storage sheds, appeared in good condition. No spill or leaks were noted near the vaulted used-oil AST.

A petroleum release was documented in a May 15, 2003, report prepared by On-Site Environmental, Inc. The 2003 report states that approximately 40 cubic yards of petroleum hydrocarbon-affected soil were excavated from the former flammable materials storage area and disposed of offsite as nonhazardous waste.

The September 2000 SWPPP Comprehensive Site Compliance Evaluation Report, prepared by USGS, noted stained pavement close to the main entrance of the MEP. The 2000 report indicates that the likely cause of this staining was leaking military vehicles and equipment. The report recommended "continuous visual inspections to detect fluid leaking from vehicles and equipment and the use of drip pans as needed." Similar signs of leaking equipment were also noted in the June 2001 SWPPP Comprehensive Site Compliance Evaluation Report. At the time of the site reconnaissance conducted for this ECP, drip pans and other best management practices (BMPs) were widely used, and no pavement staining was observed.

3.5 Review of Previous Environmental Reports

A review of site records produced several reports pertaining to the Property. The following subsections provide a brief summary of these reports. Copies of the reports, unless otherwise specified, are provided in Appendix D.

3.5.1 Stormwater Pollution Prevention Plan Comprehensive Site Compliance Evaluation Reports September 2000 through June 2005

On behalf of the 65th RRC, the USGS prepared these evaluation reports to confirm the accuracy of potential pollutant sources described in the SWPPP, determine the effectiveness of the SWPPP, assess the compliance with the terms and conditions of the permit, and reinforce the existing BMPs. The September 2000 report noted a spill close to the main entrance of the MEP area and suggested that the nature of spill was caused by fluid(s) leaking from military vehicles and equipment. Photos contained in the report indicate that the spill occurred on pavement near the entrance to the MEP area. However, the September 2000 report did not provide any additional information (quantity, size of area affected, cleanup, etc.) on the spill. Similar signs of leaking equipment were also noted in the June 2001 report, which also noted that a hazardous wastes storage cabinet housed 55-gallon drums containing used oil, used paint-containing lead, used solvents, contaminated soil, and contaminated fuel. All the reports noted deficiencies. They recommended corrective actions such as the placement of drip pans or absorbent materials underneath all potentially leaking military vehicles and equipment, and timely offsite disposal of hazardous wastes to prevent improper storage and handling of excessive quantities. At the time of the site reconnaissance conducted for this ECP, drip pans and other BMPs were widely used, and no pavement staining was observed.

3.5.2 May 2003 Remediation Program for Hydrocarbon Affected Soil

As previously noted, a May 15, 2003, report prepared by On-Site Environmental, Inc., documented the removal of approximately 40 cubic yards of petroleum hydrocarbon-affected soil from the grassy area located southwest of the administrative building and adjacent to the former flammable materials storage area (see Appendix B, Photo B-13). According to information provided in the report, strong hydrocarbon odors were noted in November 2002 during the installation of a new fence line. As a result, On-Site Environmental, Inc. was subsequently hired by the 65th RRC to perform site investigation of the flammable materials storage area. According to the May 2003 report, results of the investigation were documented in On-Site Environmental, Inc.'s February 3, 2003, Site Investigation for Hydrocarbon Affected Soil. At the time of this draft final ECP report, the February 3, 2003, report was not reasonably available for review. Based on the results of the site investigation, approximately 40 cubic yards of petroleum hydrocarbon-affected soil were excavated and transported as nonhazardous waste to Browning Ferris Industries' Ponce Sanitary Landfill for disposal. The May 2003 remediation report concluded that all petroleum hydrocarbon-affected soil had been removed from the flammable material storage area and recommended no further work at the flammable material storage area. There was no regulatory review or approval of this work noted in the documents reviewed for this ECP.

3.5.3 October 2005 Record of Environmental Consideration REC No. 05-001

This report was prepared for the restationing of the 597th QM Company from the Property to MSG Deoniso M. Claudio USAR Center in Caguas to balance the utilization rate of each center. The October 2005 report, prepared by the Deputy Chief of Staff Army Reserve Installation Management (ARIM), 65th RRC, concluded that restationing would not cause any controversial change to existing environmental conditions and that an environmental assessment or environmental impact statement under the National Environmental Policy Act would not be required.

3.5.4 Internal Environmental Compliance Assessment After Action Report July 2006

This report documents the results of the Internal Environmental Compliance Assessment (ICAS), conducted on July 10, 2006, at the Property. The purpose of the ICAS, (conducted semiannually) is to assist the Property in observing all environmental protection and safety related regulations and laws. The July 2006 report prepared by the Deputy Chief of Staff ARIM, 65th U.S. RRC, and site personnel, documented 13 Resource Conservation and Recovery Act (RCRA) deficiencies. Deficiencies noted in the report included the improper labeling and hazard identification warning of hazardous chemicals, missing spill kits and fire extinguishers, missing inventory and weekly inspection logs, improper storage of five abandoned drums, hazardous waste and material storage shed not locked, and additional record keeping violations. The report identified an absence or inadequate management review process that supports, controls, and/or improves daily/contract operations as the root cause of the violations. The report did not identify any spills or signs of environmental impacts caused by the noted deficiencies. At the time of the site reconnaissance, the noted deficiencies had been corrected.

4. Adjacent Properties

Adjacent property land uses are significant to the ECP process because current or past uses may have an environmental impact on the USAR Center. Adjacent properties were included in the EDR report review for this reason. Typically adjacent properties within 0.25 mile of the USAR Center property boundaries are reviewed and visually surveyed. For the purposes of this ECP, the adjacent property reconnaissance was performed from the USAR Center property boundaries and from public access points. Historical aerial photographs and topographic maps were also reviewed for conditions or activities that may have had an environmental impact on the Property.

4.1 Land Uses

Land use south and west of the USAR Center is county right-of-way for two major highways. Grassy areas, dense vegetation, and State Roads 5 and 21 border the facility to the west and south, respectively. A liquified petroleum gas facility is located directly north of the facility. Limestone hills and heavy forested vegetation borders the Property to the south and east. The area further north of the Property is used to maintain a Juvenile Detention and Treatment Center and characterized by light to moderate industrial activities.

4.2 Findings

The EDR database search results were reviewed for any evidence that adjacent properties may have past or present environmental issues that would affect the USAR Center. None of the adjacent properties were listed in the EDR database report. Based on an assumed westward groundwater gradient and the lack of information provided in the EDR report, potential environmental impact from the neighboring liquified petroleum gas facility (beyond a catastrophic event) is minimal. The EDR database search report only identified the Fort Buchanan Military Reservation within a 1-mile radius of the property. The Fort Buchanan Military Reservation was listed in the DoD database. No additional information was available in the DoD database.

Water well databases at the federal and state level were reviewed to identify any water supply source near the Property. Twenty-one water wells were identified within a 1-mile radius of the Property. One PWS was located approximately 1 mile southwest of the Property. According to the EDR report, the PWS (owned by Dajaos) had several enforcements violations for failure to collect and report appropriate sample parameters during specified compliance monitoring periods, and for failure to filter.

Land use at adjacent properties does not appear to have changed significantly over the years between 1982 and 2005, based on a review of 1982 and 2005 aerial photographs and the 1982 USGS topographic map.

5. Review of Regulatory Information

An essential component of an ECP is the review of records and databases containing information on the Property and adjacent properties. The review includes reasonably obtainable federal, state, and local government records, and is intended to identify a release or likely release of any hazardous substance or any petroleum product that is likely to cause or contribute to a release or threatened release of any hazardous substance or any petroleum product to the Property.

The majority of the regulatory information for this ECP was obtained from EDR on July 19, 2006. EDR provides a regulatory database summary that consolidates standard federal, state, local, and tribal environmental record sources based on ASTM D6008 recommended minimum search distances from the Property.

All findings reported in Sections 5.1, 5.2, and 5.3 below are from the EDR report unless otherwise noted. A copy of the complete EDR report is included in Appendix E.

5.1 Federal Environmental Records

5.1.1 Federal National Priorities List Sites within 1-Mile

USEPA maintains a record of the nation's worst uncontrolled or abandoned hazardous waste sites, known as the National Priorities List (NPL). Sites on the NPL undergo long-term remedial action under CERCLA. The USAR Center is not an NPL site, nor were any such sites located within 1 mile of the Property.

5.1.2 Federal Comprehensive Environmental Response, Compensation and Liability Act Information Systems Sites within 0.5-Mile

The CERCLA Information System (CERCLIS) contains data on potentially hazardous waste sites that have been reported to USEPA by state, municipalities, private companies, and private persons, pursuant to Section 103 of the Act. 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.

The USAR Center is not a CERCLIS site and there are no CERCLIS sites located within 0.5 mile of the center.

5.1.3 Resource Conservation and Recovery Act Corrective Action Sites within 1 Mile

RCRA corrective action (CORRACTS) sites represent facilities that have generated or managed hazardous wastes and require corrective action. The USAR Center is not a CORRACTS site, nor were any such sites identified within 1 mile of the USAR Center.

5.1.4 RCRA Transport, Treatment, and/or Disposal Sites within 0.5 Mile

RCRA defines and regulates sites that generate, transport, or provide treatment, storage, or disposal (TSD) of hazardous wastes. The RCRA Information System (RCRIS) includes selective information on these sites.

The USAR Center is not a RCRIS-TSD site and there are no such sites located within 0.5 mile of the USAR Center.

5.1.5 Federal RCRA Small and Large Quantity Generators List within 0.25 Mile

Conditionally exempt small quantity generators are defined as facilities generating less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. RCRA small quantity generators are defined as facilities generating between 100 kg and 1,000 kg of hazardous waste per month. A facility generating more than 1,000 kg of hazardous waste or over 1 kg of acutely hazardous waste per month is defined as a large quantity generator.

The USAR Center is not a RCRA large quantity generator. However, according to information provided by site personnel, the USAR Center has been filed under USEPA as a small quantity generator with USEPA ID No. PR3210420003 since 1994. The EDR report did not identify any RCRA large or small quantity generator sites located within 0.25 miles of the USAR Center.

5.1.6 Federal Emergency Response Notification System List

The Emergency Response Notification System List maintains information on reported releases of oil and hazardous substances. The USAR Center is not on this notification list.

5.2 State and Local Environmental Records

Most of the information presented in this subsection was obtained from the EDR report. Additional information was also obtained from online database searches.

5.2.1 State Lists of Hazardous Waste Sites within 1 Mile

The July 19, 2006, EDR report did not list the USAR Center or any other properties within 1 mile in the state list of hazardous waste sites.

5.2.2 State-Registered Landfills or Solid Waste Disposal Sites within 0.5 Mile

The USAR Center does not have a solid waste landfill, incinerator, or transfer station within the Property boundaries.

The EDR report did not identify any adjacent properties or any other properties within a 0.5-mile radius of the USAR Center as having a solid waste landfill, incinerator, or transfer station.

5.2.3 State-Registered Leaking Underground Storage Tank Sites within 0.5 Mile

The EDR report did not identify the Property or any neighboring properties within a 0.5 mile radius of the USAR Center as having a registered leaking underground storage tank (LUST) in the State's database system.

5.2.4 State-Registered Underground Storage Tank Sites within 0.5 Mile

The EDR report did not identify the Property or any neighboring properties within a 0.5-mile radius of the USAR Center as having registered underground storage tank (UST) in the State's database system.

5.2.5 Records of Contaminated Public Wells

The EDR report identified one PWS well located approximately 1 mile southwest of the Property. According to the EDR report, the PWS (owned by Dajaos) had several enforcements violations for failure to collect and report appropriate sample parameters during specified compliance monitoring periods, and for failure to filter. No additional information was available in the PWS database.

5.2.6 Voluntary Remediation Program Sites within 0.5 Mile

The USAR Center is not listed in U.S. Brownfields database. No sites located within a 0.5 mile of the Center are listed in the EDR report as being in a Brownfields Program either.

5.3 Unmapped Sites

Some sites within the databases EDR searches have the same zip code as the USAR Center, but no street address. These sites, known as unmapped or orphan sites, can not be mapped from the EDR results alone. These sites were listed in the LUST, RCRA-small quantity generators, and Facility Index System (FINDS) databases. Because the exact locations of some of the unmapped/orphan properties are unknown, it is possible that environmental contamination at these sites could potentially affect the target property. An area reconnaissance conducted by CH2M HILL did not indicate any of the orphan sites within a 0.5-mile radius of the target property and, therefore, no effects are expected from the orphan properties.

5.4 Summary of Properties Evaluated to Determine Risk to the Property

To summarize Subsections 5.1 through 5.3, no separate properties, near or adjacent to the USAR Center, were evaluated as having potential risk to the Property.

6. Site Investigation and Review of Hazards

Findings documented in the following subsections are based on the August 3 and 4, 2006, site reconnaissance, a review of available site records, and information obtained from USAR personnel.

6.1 USTs/ASTs

No fuel oil USTs were associated with this facility. A January 1997 site map of facility shows the location of a diesel fuel dispensing tank near the mess hall. However, during a phone conversation on September 11, 2006, between a CH2M HILL representative and site personnel, it was stated the location on the map was a proposed AST location. The AST was not installed because of the close proximity of the Property to the fueling facility located at Fort Buchanan. The facility currently maintains one 132-gallon vaulted used oil AST. The vaulted used oil AST appeared in good condition. No signs of leaks or spills were noted during the site reconnaissance.

Historical information contained in the reports prepared by USGS noted the presence/temporary staging of ASTs onsite. In addition to identifying several 600-gallon ASTs the were positioned over paved areas in the MEP, the June 2001 USGS report also noted that an unlabeled vaulted AST that contained used oil was stored over the grass located outside the main entrance of MEP.

6.2 Inventory of Chemicals/Hazardous Substances

Records pertaining to hazardous substances including hazardous materials, chemical bulk storage, petroleum products, hazardous waste, and petroleum waste were reviewed in addition to interviews and the site reconnaissance to develop the inventory for this Property. Available records indicate that hazardous materials and/or POLs are and have been stored at this facility. These materials include batteries, acids, adhesives, chloroform, lubricating oils, dry cleaning solvents, and diesel fuel additive. Wastes observed on the Property during the site reconnaissance include used oil, used paint and solvents, used antifreeze, used transmission fluids, used dry-absorbent, and used rags.

Three structures are currently used for the storage of regulated wastes. Wastes generated at the OMS are stored at these structures and eventually collected and disposed of by a waste refuse contractor. Two roofed storage sheds equipped with secondary concrete containment are used to store hazardous waste and hazardous materials. The third structure is a flammable liquids cabinet, equipped with a spill containment platform. The hazardous waste storage sheds and the flammable liquids storage cabinet appeared in good condition. No signs of leaks or spills were noted during the site reconnaissance. An inventory of materials present on the Property as of July, 2006, is presented in Section 3.3.1.

Flammable materials were reportedly historically stored in the flammable materials storage area. While the nature and quantity of materials stored in this area is unknown, there was

no evidence of current storage or of a release in this area observed during the site reconnaissance. As shown in Photo B-13, a 4-walled concrete structure remains on the Property in the former flammable materials storage area. There is no roof on the structure, and during the site reconnaissance, soil and vegetation were observed in the bottom of the concrete structure.

6.3 Waste Disposal Sites

Available records and interviews did not indicate the practice of onsite waste disposal other than through managed storage and offsite disposal, or through the sewer or septic systems. No waste disposal sites were observed during the site reconnaissance, nor were any signs of past onsite waste disposal (such as stressed vegetation or suspicious depressions in the landscape) observed.

6.4 Pits, Sumps, Drywells, and Catch Basins

An OWS is present outside the OMS. The maximum flow-through capacity of the OWS is not known. The OWS is connected to the vehicle wash rack drain and drains inside the OMS (in the battery storage room and near the emergency eye wash station). The OWS discharges to the sanitary sewer system. A March 9, 2005, manifest documents the removal of sludge from the wash rack area/OWS, suggesting this OWS is periodically inspected and cleaned, however, no documentation of current or historical inspection information (appearance/condition, cracks noted, etc.) for the active OWS was found at the time of this draft final ECP report preparation.

An unknown catch basin/pit was identified near the southwest wall of the mess hall. The concrete pit appeared to have a polyvinyl chloride pipe coming from the mess hall and one polyvinyl chloride pipe leaving the pit and heading towards the OWS. However, it could not be confirmed whether the pit was connected to both the mess hall and the OWS.

6.5 Asbestos-containing Material

A July 13, 2006, Internal Environmental Compliance After Action Report, prepared by site personnel, indicated that an asbestos survey was prepared for the Property and that an Asbestos Management Plan was not applicable for the Property. However, no asbestos-containing material (ACM) survey of the Property was reasonably available for review.

For the purpose of this ECP, buildings constructed prior to 1989 are considered to have a potential to have ACM present, since the use of asbestos-containing building materials was generally discontinued after that year. All buildings on the Property were constructed before 1989 and, therefore, have the potential to have ACM present.

6.6 Polychlorinated Biphenyl-containing Equipment

Site reconnaissance did not identify the location of any onsite electrical transformers. According to site personnel, all of the 65th RRC unit's equipment is polychlorinated

biphenyl (PCB) free. Site personnel also indicated that, as part of their ICAS, they verified that light ballasts were free from PCBs.

6.7 Lead-based Paint

No LBP surveys have been conducted at the Property. Facilities constructed before 1978 are likely to have been painted with lead-containing paint. All buildings on the property were constructed before 1978 and, therefore, have the potential to have LBP present. At the time of the site survey, a majority of painted surfaces were in good condition; however peeling paint was noted on the exterior front wall of the mess hall, and the eastern walls of the administration building nearing the cooling system, and on an interior wall on the second floor of the administration building.

6.8 Radon

A July 13, 2006, Internal Environmental Compliance Assessment After Action Report indicated that radon measurements were conducted at the Property. Passive detection equipment was installed throughout the mess hall in February 1991 and removed in February 1992. The February 1992 results indicated that no sampling locations exhibited radon levels above the USEPA-recommended action level of 4 picoCuries per liter of air (pCi/L).

6.9 Munitions and Explosives of Concern

Based on a review of available records, the site reconnaissance, and interviews with USAR Center personnel, there are no indications that munitions and explosives of concern (MEC) are, or were, present at the Property. According to site personnel there was an indoor firing range on the Property, however the firing range was cleaned and/or encapsulated during the full facility renovation and subsequently used as office space. Site personnel also indicated the indoor firing range was closed prior to 1992. Specific details (procedures, testing results, etc.) of the closure of the indoor firing range were not reasonably available at the time of this draft final ECP report preparation.

6.10 Radioactive Materials

Based on a review of available records, the site reconnaissance, and interviews with USAR Center personnel, there is no indication that radioactive materials were stored or used at the USAR Center.

7. Review of Special Resources

7.1 Land Use

The site is located in a mixed-use area that combines commercial, industrial, and residential land uses.

7.2 Coastal Zone Management

The Department of Natural and Environmental Resources serves as the lead agency for the Puerto Rico Coastal Management Program and is responsible for managing the maritime zone, coastal waters, and submerged lands. The Puerto Rico Planning Board serves as the primary agency for managing coastal development. The Property is not included in the coastal zone management plan, nor is it in a coastal zone.

7.3 Wetlands

According to the 2005 U.S. Fish and Wildlife Service National Wetlands maps, the site overview map provided in the EDR report and visual observations, no wetlands were observed or appear to be associated with any of the facilities at this site, or with any adjacent properties. A National Wetland Inventory Map of the project area is provided in Figure 7.

The Property is not located within a coastal zone.

7.4 100-year Floodplain

A review of the Federal Emergency Management Agency (FEMA) digital Flood Hazard Area map indicates that the Property lies outside the 100-year floodplain. Figure 8 in Appendix A provides a map of the 100-year floodplain elevations located in the immediate vicinity of the Property. Additionally, the site overview map provided in the EDR shows the Property outside the 100-year floodplain.

7.5 Natural Resources

No natural resources surveys or mapping have included this Property and the adjacent properties. However, the developed nature of the area, the length of time this area has been developed, the small acreage involved, and the results of the site reconnaissance indicate that it is unlikely any threatened or endangered plant or animal species, or any habitat critical to their survival, would occur at this location.

7.6 Cultural Resources

No archaeological or historical resource survey has been performed for the Property. However, because the buildings on the Property were constructed after 1956, they are not eligible for listing on the National Register of Historic Places.

7.7 Other Special Resources

No other special resources were identified or reported during this ECP.

8. Conclusions

The following information was obtained after conducting an environmental record search including records for adjacent properties, reviewing available historical information, conducting interviews with knowledgeable parties connected with the Property or with state and local agencies, and conducting a reconnaissance of the Property and adjacent properties.

8.1 Review of Findings

Hazardous Substances. Hazardous substances pursuant to CERCLA 101(14) 42 USC 9601(14) were used and stored at the Property in amounts necessary to support unit-level vehicle and building maintenance activities. There is no evidence that the hazardous substances used or stored were released or disposed of at the Property.

The OWS at the Property collects wash fluids that would have included POLs, cleaning solvents used in cleaning vehicle components, and antifreeze. CH2M HILL's review of reasonably available documentation indicated no records that visual observations or sampling has been conducted to assess whether the OWS has failed. While cracks in the OWS over extended periods of time could result in a release, only *de minimis* quantities would be suspected to have the potential to be released (because wash racks are not typically used to drain POL, antifreeze, or solvent fluids directly, and typically any such fluids entering the OWS from a wash rack would have been diluted with water from spray hoses). The presence of an active OWS, consequently, does not influence the Property's category assignment.

USTs/ASTs. Available records do not indicate any USTs currently or formerly located at the Property. One 132-gallon vaulted AST, containing used oil, is located at the Property. The vaulted used oil AST appeared in good condition. No signs of leaks or spills were noted during the site reconnaissance.

Non-UST/AST Petroleum Storage or Release. The OMS utilizes a SWAP to temporarily store waste produced at the shop working areas. The SWAP consists of 55-gallon drums labeled for each of the wastes produced at the shop (for example, used oil, coolant, and diesel fuel). The SWAP drums are located within the OMS building, and are maintained over a double-floored platform. Regularly the wastes are transferred to the outdoor waste storage sheds where they are collected for disposal.

As previously noted, a May 15, 2003, report prepared by On-Site Environmental, Inc., documented the removal of approximately 40 cubic yards of petroleum hydrocarbon-affected soil from the grassy area located southwest of the administrative building and adjacent to the former flammable materials storage area (see Appendix B, Photo B-13). The May 15, 2003, remediation report concluded that all petroleum hydrocarbon-affected soil had been removed from the flammable material storage area and recommended no further

work at the flammable material storage area. There was no regulatory review or approval of this work noted in the documents reviewed for this ECP.

Stained pavement identified during 2000 and 2001 SWPPP Comprehensive Site Compliance Evaluation Reports would likely have resulted in only *de minimis* quantities released. No pavement staining was observed during the 2006 site reconnaissance.

PCBs. Site reconnaissance did not identify the location of any onsite electrical transformers. According to site personnel, all of the 65th RRC unit's equipment is PCB free. Additionally, a PCB Survey for the Property is not required by AR 200-1. Site personnel also indicated that, as part of their ICAS, they verified light ballasts were free from PCBs.

ACM. Site personnel indicated that an asbestos survey was prepared for the Property and that an Asbestos Management Plan was not applicable for the Property. However, no ACM survey of the Property was reasonably available for review.

For the purpose of this ECP, buildings constructed prior to 1989 are considered to have a potential to have ACM present, since the use of asbestos-containing building materials was generally discontinued after that year. All buildings on the Property were constructed before 1989 and, therefore, have the potential to have ACM present.

LBP. No LBP surveys have been conducted at the Property. Facilities constructed before 1978 are likely to have been painted with lead-containing paint. All buildings on the property were constructed before 1978 and, therefore, have the potential to have LBP present. At the time of the site survey, a majority of painted surfaces were in good condition; however peeling paint was noted on the exterior front wall of the Mess Hall, and the eastern walls of the administration building nearing the cooling system, and on an interior wall on the second floor of the administration building.

Radiological Materials. Based on available records review, interviews, and/or a site reconnaissance, there is no evidence of any radiological materials storage or releases at the Property.

Radon. The Internal Environmental Compliance Assessment After Action Report (dated July 13, 2006) indicated that radon measurements were conducted at the Property. The February 1992 results indicated that no sampling locations exhibited radon levels above the USEPA-recommended action level of 4 pCi/L.

MEC. Available records do not indicate any MEC currently or formerly located at this Property. No evidence of MEC was observed during the site reconnaissance. According to site personnel there was an indoor firing range on the Property, however, it was closed prior to 1992. Specific details (procedures, testing results, etc.) of the closure of the indoor firing range were not reasonably available at the time of this draft final ECP report preparation.

Surrounding Properties. Potential environmental sites of concern, located within the ASTM D6008 recommended minimum search distances from the Property, were evaluated through database review and site reconnaissance. Neither the Property nor the adjacent properties were listed in the environmental database report. While there is a liquified petroleum gas facility neighboring the Property, there is no information regarding its specific potential impact on the Property.

Wetlands and Floodplain. According to the 2005 U.S. Fish and Wildlife Service National Wetlands maps and visual observations, no wetlands were observed or appear to be associated with any of the facilities at this site, or with any adjacent properties.

The Property is not located within a 100-year floodplain or within a coastal zone.

Threatened and Endangered Species. No natural resources surveys or mapping have been performed for the Property. However, the developed nature of the area, the length of time this area has been developed, the small acreage involved, and the results of the site reconnaissance indicate that it is unlikely any threatened or endangered plant or animal species, or any habitat critical to their survival, would occur at this location.

Archaeological and Historical Resources. No archaeological or historical resource survey has been performed for the Property. However, because the buildings on the Property were constructed after 1956, they are not eligible for listing on the National Register of Historic Places.

8.2 Environmental Condition of Property

Findings of this ECP report were based on readily available environmental information, interviews with site and state and local personnel, review of previous environmental studies and federal and state databases and file information related to the storage, release, treatment, or disposal of hazardous substances or petroleum products. Results were also based on visual observations of the Property and adjacent properties.

In accordance with DoD policy defining the classifications (see Sherri Goodman Memorandum dated 21 October 1996), those portions of the Property slated for disposal (that is, portions of Parcel 1 and all of Parcel 3) have been classified into one of seven property types. Based on the results of this ECP study, these parcels have been assigned an overall DoD Environmental Condition Type 2 primarily due to the following:

- Petroleum hydrocarbon-affected soil was removed from the former flammable materials storage area at the Property. Although there was no regulatory review or approval of this work noted in the documents reviewed for this ECP, based on the removal report and discussions with facility personnel, it is assumed that the contractor completed the work in accordance with generally accepted practices and that no additional work would be required to protect human health or the environment.

9. References

Persons Contacted

- Mr. Yamil E. Hernandez, Environmental Protection Specialist J.M. Waller Associates Inc., Contractor for the 65th RRC NEPA-Cultural & Natural Resources Program Coordinator, Fort Buchanan, (787-707-2553) August 3, 4, 24, 25, 2006 and September 11, 2006.
- Addy Z. Molina Vazquez, Environmental Protection Specialist, J.M. Waller in support of the 65th RRC U.S. Army Reserve – ARIM (Office:787-707-2677), August 31, 2006.
- MSgt. Armando Silva, ILT Paul Lavergne USARC, August 3 and 4, 2006.
- SFC Jose E Rivera-Blanco, Department of the Army, 973RD Quartermaster Company, ILT Paul Lavergne USARC, August 3 and 4, 2006.

Resources Consulted

- Aerial Photographs provided by Puerto Rico Highways and Transportation Authority 1962, 1981, and 2005.
- USEPA Map of Radon Zones, <http://www.epa.gov/radon/zonemap.html>.
- FEMA Flood Hazard Insurance Map, <http://msc.fema.gov/webapp/wcs/stores/servlet/FemaWelcomeView>.

Works Cited

65th US Army Regional Readiness Command. 2006. Internal Environmental Compliance Assessment, Memorandum Thru Commander. ARFC-CPR-CS, July 10.

Goodman, Sherri. 1996. Department of Defense memorandum "Clarification of 'Uncontaminated' Environmental Condition of Property at Base Realignment and Closure (BRAC) Installations." October 21.

Environmental Data Resources, Inc. 2006. The EDR Radius Map with GeoCheck 1st LT Paul Lavergne USARC, PR, RD 167, KM 5.0, HWY 8, Bayamón, PR 00961, Inquiry Number: 01714247.8r.

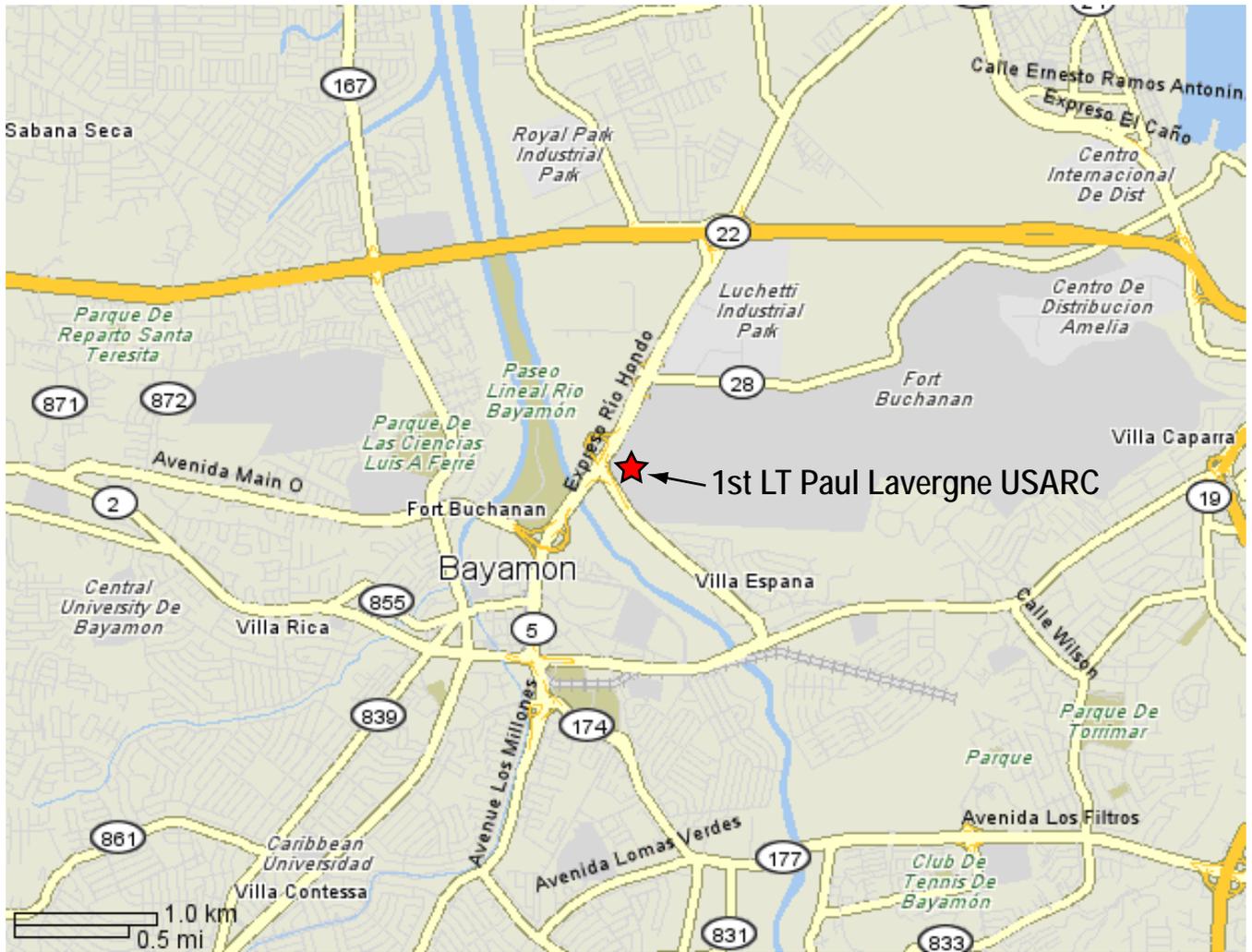
On-Site Environmental, Inc. 2003. Remediation Program for Petroleum Hydrocarbon Affected Soils at the US Army Reserve Center San Juan (Laverne) Bayamon, Puerto Rico.

Soil Survey Staff, Natural Resources Conservation Service. 2004. U.S. Department of Agriculture. Soil Series Classification Database [Online WWW]. Available URL: <http://soils.usda.gov/soils/technical/classification/scfile/index.html>. Accessed February 10, 2004.

U.S. Army Regional Readiness Command. 2005. Record of Environmental Consideration REC No. 05-001, 65th, October.

U.S. Geological Survey. 2000–2005. Stormwater Pollution Prevention Plan Comprehensive Site Compliance Evaluation Reports. Multiple reports, September 2000 Through June 2005.

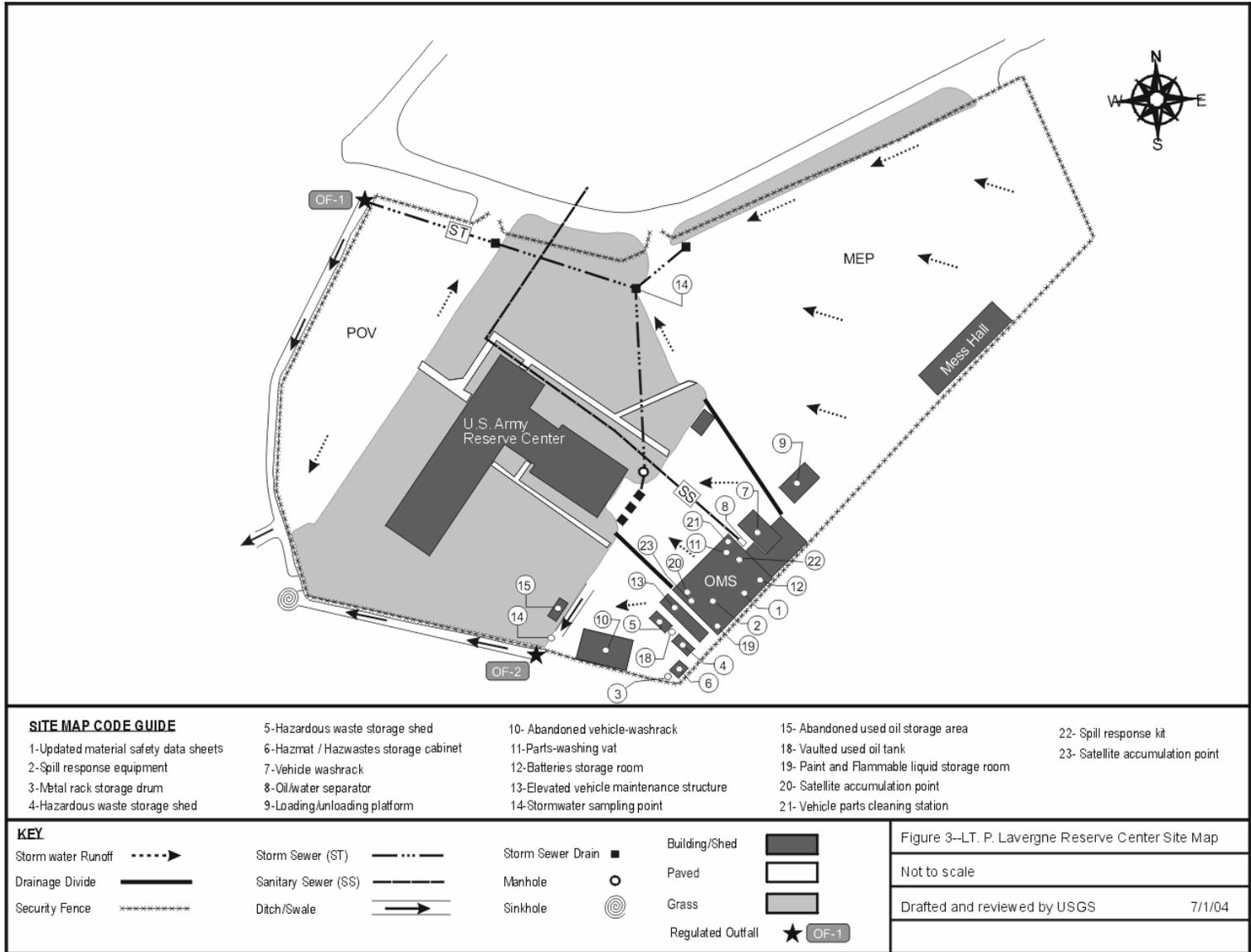
Appendix A
Figures



Source: Yahoo.com



FIGURE 1
General Site Location Map
Phase I ECP Report



Source: USGS, July 2004



FIGURE 2
Site Layout Plan
Phase I ECP Report

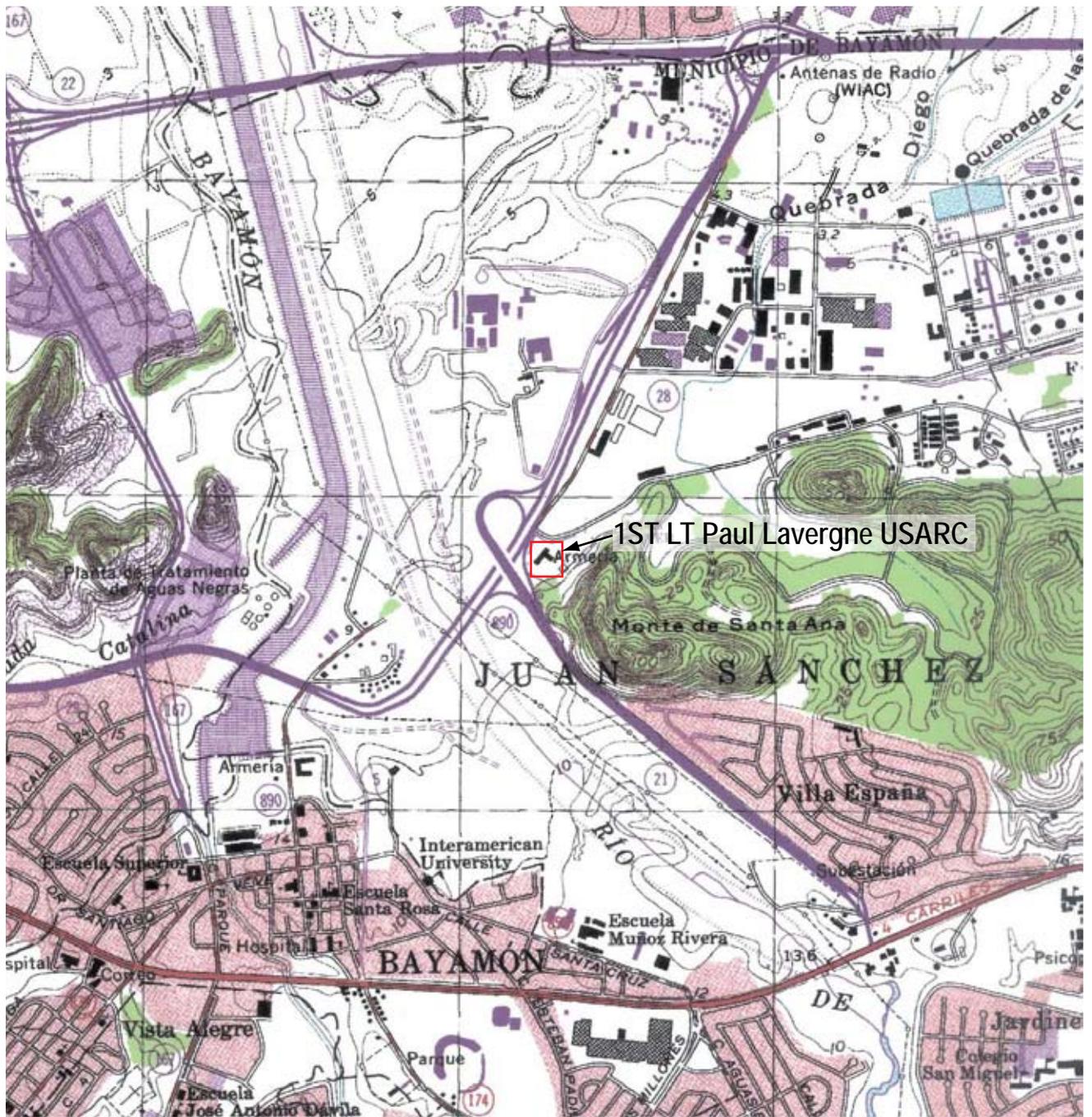


FIGURE 3
 1982 USGS 7.5-Minute Topographic Map
 Bayamón, Puerto Rico
 Phase I ECP Report



North

FIGURE 4
1962 Aerial Photograph
Phase I ECP Report

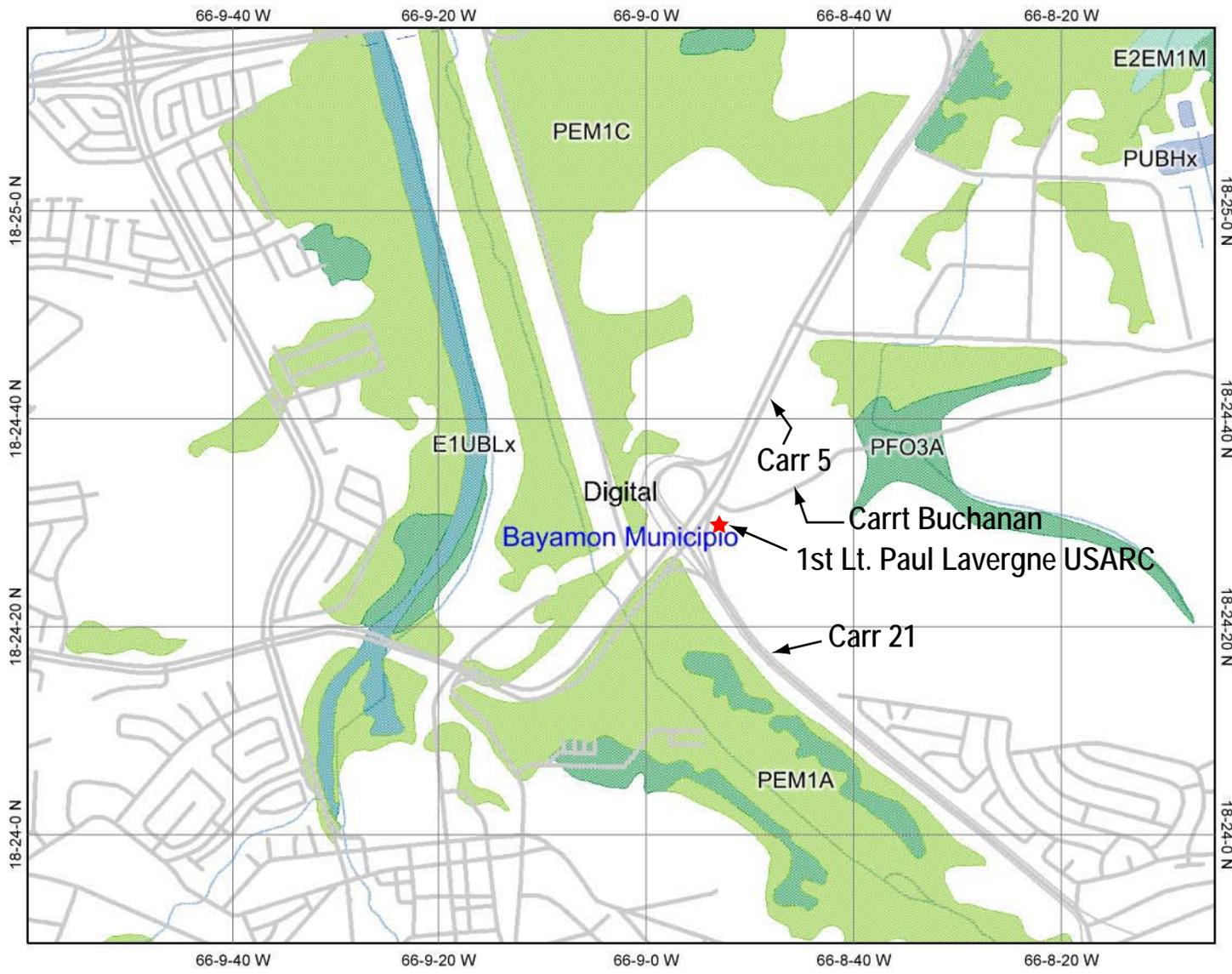


FIGURE 5
1981 Aerial Photograph
Phase I ECP Report



North

FIGURE 6
2005 Aerial Photograph
Phase I ECP Report



Legend

- Major Roads**
 - Other Road
 - Interstate
 - State highway
 - US highway
 - Roads
- PRVI Cities**
 - PRVI Cities
- PRVI Wetland Polygons**
 - Estuarine and Marine Deepwater
 - Estuarine and Marine Wetland
 - Freshwater Emergent Wetland
 - Freshwater Forested/Shrub Wetland
 - Freshwater Pond
 - Lake
 - Other
 - Riverine
- PRVI Available Wetland Data**
 - Non-Digital
 - Digital
 - No Data
 - Scan
- Waterbodies 2M**
 - Waterbodies 2M
 - Streams 2M
- PRVI Counties 2M**

Source: U.S Fish and Wildlife Service

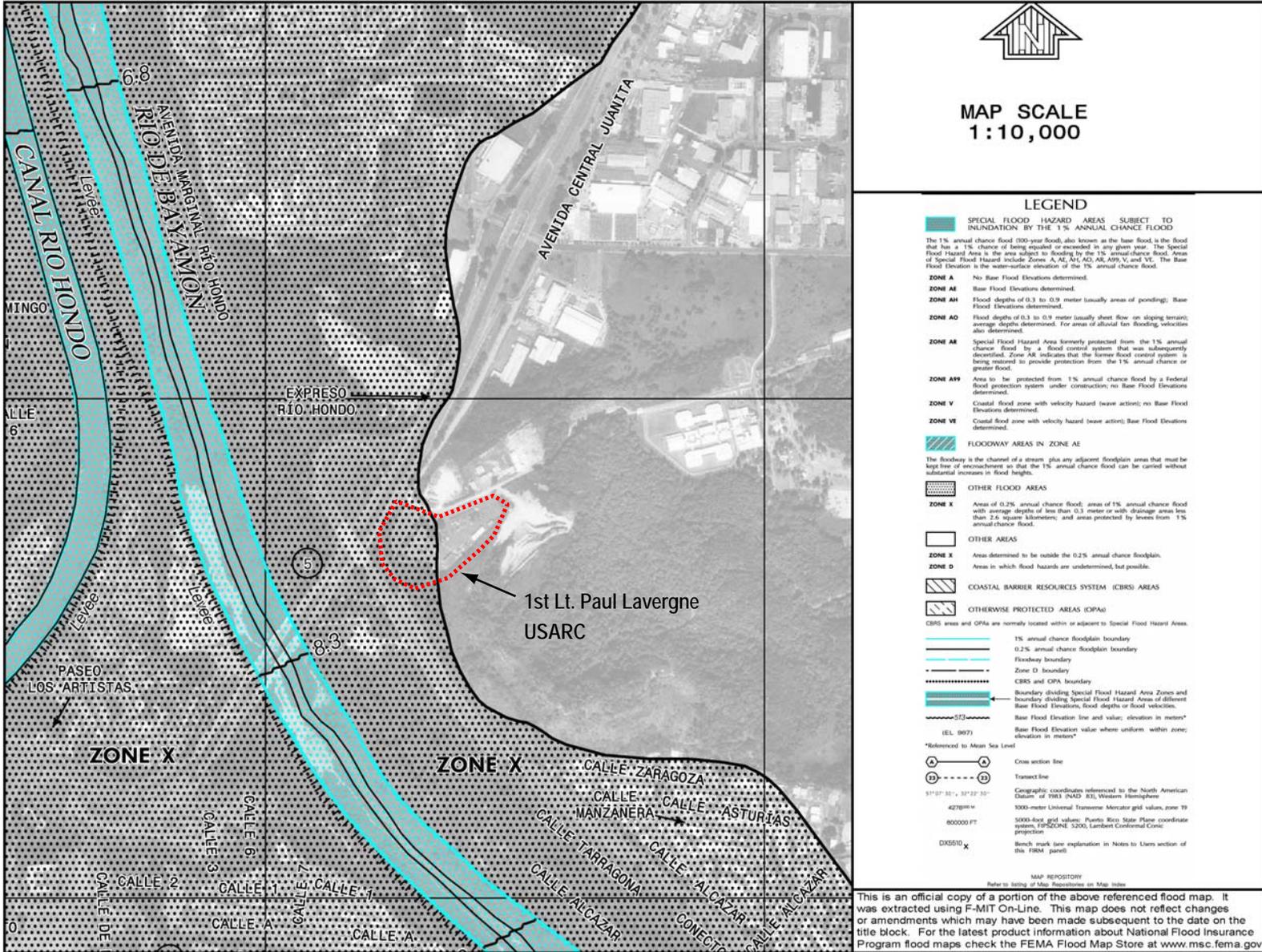
Map center: 18° 24' 34" N, 66° 9' 2" W



Scale: 1:25,386



FIGURE 7
USFWS Wetland Delineation map
Phase I ECP Report



North

SOURCE: FEMA.GOV

FIGURE 8
Flood Plain Map
Phase I ECP Report

Appendix B
Site Reconnaissance
Photographs



Exhibit B-1: Entrance to MEP Area from the asphalt access road. Rolling limestone hills (haystacks) and heavy forested vegetation located east of Property. Standing north of the Property on asphalt access road and facing east.



Exhibit B-2: Single-story Mess Hall Building. Building was locked and some doors blocked by tables or other objects. Note location of peeling paint. Standing centrally, north of the Mess Hall and facing east.



Exhibit B-3: Unknown pit/sump/grease trap located southwest of the Mess Hall. Sump has influent and effluent lines. Standing near southwest wall of Mess Hall and facing northeast.



Exhibit B-4: MEP Area between Mess Hall (in the background) and OMS Building. Note location of loading/unloading platform, conex boxes (total 10 boxes, 6 of them locked), and miscellaneous military equipment. Standing southwest of loading platform and facing northeast.



Exhibit B-5: OMS Building. Showing the 3-bay light maintenance facility, storm water drain, and miscellaneous military vehicles . Standing west-northwest of the OMS Building and facing east-southeast.



Exhibit B-6: MEP Area between rear of the Administration Building (in the background) and OMS Building. Standing west-northwest of the OMS Building and facing west-northwest .



Exhibit B-7: Vehicle Washrack Area located northeast of the OMS Building. Showing sloped platform of the wash pad and central drain that is connected an oil/water separator via gravity line. Standing northwest of washrack platform and facing southeast.



Exhibit B-8: Oil/water separator located east of the OMS Building. The oil/water separator discharges to the sanitary sewer system. Standing northwest of OMS Building and facing southeast.



Exhibit B-9: Battery Storage Room. Room located inside OMS near the northeast corner of main section of the building. Room contained vehicle batteries and battery maintenance supplies (battery acids, reagent water, etc). Floor drains connects to the OWS which ultimately discharges to the sanitary sewer system.



Exhibit B-10: Elevated Vehicle Maintenance Structure. Structure is located southwest of the OMS Building, between the Hazardous Waste Storage Sheds. Standing northwest of the structure and facing southeast.



Exhibit B-11: 132-gallon vaulted AST containing used oil. The vaulted AST is southwest of the OMS Building, adjacent to the elevated maintenance structure. The 132-gallon AST was locked and the vent pipe was appropriately secured to prevent rain from entering the tank. Standing southwest of the OMS Building, maintenance structure, and hazardous waste sheds and facing northeast.



Exhibit B-12: Hazardous Material Storage Shed containing flammable materials and/or hazardous waste. Shed is located southwest of the OMS Building and the AST and Hazardous Waste Storage Sheds. Standing northwest of the shed and facing southeast.



Exhibit B-13: Former Flammable Materials Storage Point located in a grassy area in the southwest corner of the MEP Area (southwest of OMS). Approximately 40 cubic yards of petroleum hydrocarbon affected soils were removed from the former storage area in April 2003. Standing southwest of the abandoned used oil storage area and facing northeast towards the Administration Building.



Exhibit B-14: Storm water Drainage Ditch/Swale with north-south orientation. Ditch/swale located along northern border of the Property. Channels surface water runoff from asphalt access road, Carr (Interstate) 5, and areas located northwest of the Mess Hall and northeast of the OMS (in the MEP area) and from the northern section of the POV towards the southwest corner of the Property and eventually discharges into the Rio De Bayamon River. Standing northwest of security booth and facing south-southeast west towards Carr (Interstate) 21.

Appendix C
**Property Acquisition Documents
and Chain of Title Report**

29 March 2007

RECEIVED

APR 02 2007

MEMORANDUM FOR CESAJ-RE-M (B. Miller)

SUBJECT: Title Search and Other Historical Data Related to BRAC Property
1LT Paul Lavergne USARC, RD 167, KM 5.0, Bayamon, Puerto Rico

1. As requested, enclosed is the title search for subject property under BRAC (Encl 1). After reviewing the title search report, we may conclude that:

a. The Reserve property is not shown as one independent and stand alone property, but is included as part of a larger property of 369.2765 acres identified by the Registry of Property as Real Property No. 48411, located at Juan Sánchez Ward, Bayamón, Puerto Rico. In accordance with the public record, this property is free of liens and encumbrances.

b. Property No. 48411 was formed by grouping and merging other properties (Nos. 5623, 5648, 5485 and 48410).

c. Unfortunately, the title record of Property 48411 is not updated in order to reflect the actual acreage still owned by the Government. Except for one entry informing of the segregation of 193.53 acres sold to the Commonwealth of Puerto Rico (CPR), no other land transfers and easement rights conveyed to the CPR free of costs have been registered. Consequently, no remnant description of the Government-owned property, including the USARC tract (s), has been recorded.

2. Since the title search does not provide much information pertinent to the USARC tract (s), supplemental historical data obtained from our Section's files follows:

a. The U.S. Army Corps of Engineers Audited Drawing No. 15-02-34 entitled "Real Estate Fort Buchanan Military Reservation" (approved on 19 July 1951, with the last revision made in 1966), shows the USARC property as part of parent parcel identified as "Tract No. 6" (Encl 2). This Tract No. 6 is one of the tracts comprising Property No. 48411 referenced to in the title search. The drawing indicates that the USARC property consists of 6.43 acres, reassigned to the U.S. Army Reserve Center in 1959. As for Tract No. 6, the drawing indicates that it originally consisted of 194.90 acres acquired from Maria Benigna Victoria Blanco Morales et al in 1940.

b. The Audited Drawing No. 15-02-348 approved in 1961 as revised, entitled "Real Estate U.S. Army Reserve Center, San Juan, PR- Outgrant Map" (Encl 3), indicates that the USARC property has an area of 6.80 acres (as opposed to

CESAJ-DS-RE (405)

**SUBJECT: Title Search and Other Historical Data Related to BRAC Property,
1LT Paul Lavergne USARC, RD 167, KM 5.0, Bayamón, Puerto Rico**

7.15 acres informed in the notification of Surplus Property published in May 2006). The property is subdivided into three tracts: Parcel 1 of 1.83 acres, Parcel 100 of 0.36 acres (former railroad right-of-way (ROW) acquired by D/T Civil Action No. 58-59), and Parcel 2 of 4.60 acres. The drawing also indicates that 0.01 of an acre was acquired from the CPR under an indefinite license for turnout.

c. The property is subject to the following Department of the Army (non-recorded) easements, depicted in Encl 3:

(1) DACA17-2-82-3010. This is a perpetual roadway easement on and over a substantial part of the above-mentioned Parcel 1 and small segments of Parcels 2 and 100. The easement is described as a road connection between the 65th Infantry Expressway, the Rio Hondo Expressway and Highway PR-167 comprising 1.49 acres. This road ROW is currently a segment of PR Road No. 5. The USARC's usable area, excluding the road ROW is approximately 5.30 acres.

(2) DACA17-2-80-3011. This is a 50-year easement for a 66" diameter pipeline lying across Parcels 1 and 100.

(3) DACA17-2-99-3011. This is a 25-year easement for electric power lines consisting of a 20-ft wide ROW and 485 feet long lying across Parcel 1.

3. This property has been known by different names. Originally, it was part of Fort Buchanan Military Reservation, ammunition storage area. In the early '70s, it was the USAR Center Bayamón, and in 1975, the name was changed to U.S. Army Reserve Center, San Juan, Puerto Rico. Actually, it is the 1LT Paul Lavergne USARC, and better known as the Bayamón Army Reserve Center.

4. The Local Redevelopment Agency (LRA) is the municipality of Bayamón. POC is Ms. Aileen Poueymirou, Planning Office, at 787-787-0451.

5. For any questions regarding the title search, you may call me or if to the real property, Mr. Luis Ayala, Realty Specialist, at 787-729-6904.

3 Encls


MIGDALIA MARTINEZ
Chief, Real Estate Section

TITLE SEARCH

REQUESTED BY : UNITED STATES ARMY CORPS OF ENGINEERS
ATTENTION : MIGDALIA MARTINEZ, CESAJJ –DS-RE
BRAC PROJECT 38076
RE : FORT BUCHANAN MILITARY RESERVATION
PROPERTY NUMBER : 48411. Recorded at page 266 of Bayamón Volume 1081
Property Registry at Bayamón. First Section

DESCRIPTION: (as it appears on the Registry)

RUSTICA: Parcela de terreno radicada en el Barrio Juan Sánchez del término municipal de Bayamón, con cabida de 369.2765 acres, igual a 1,494,416.1136 metros cuadrados, equivalentes a 380.2830 cuerdas, igual a 49 hectáreas, 44 áreas y 16.36 centiáreas. En lindes por el Norte, con terrenos de United States Army Reserve, con la Puerto Rico Railroad Land Development Company; por el Sur, con la Calle Hounze Drive, con Villa España Development, terrenos de Francisco Viejo y Rafael Cofiño; por el Este, con terrenos de Fort Buchanan Military Reservation, terrenos de J. Bacardi y Arturo Mezquillo y por el Oeste, con Villa España Development, United States Army Reserve, Puerto Rico Railroad Land Development y la Carretera Estatal Número 167

NOTE:

A tract of land comprising 193.5366 acres was segregated from this property. No remnant description has been recorded. The segregated tract of land was recorded as Property Number 48412, whose title is vested in favor of the Commonwealth of Puerto Rico.

DESCRIPTION (free translation):

RUSTIC. Tract of land located in Juan Sánchez Ward of the municipal jurisdiction of Bayamón, with an area of 369.2765 acres, equal to 1,494,416.1136 square meters, equivalent to 380.2830 “cuerdas” equal to 149 hectares, 44 ares, 16.1136 centares. Bounded on the North, with lands of the United States Army Reserve, with Puerto Rico Railroad Land Development Company; on the South, with Hounze Drive, with Villa España Development, lands of Francisco Viejo and Rafael Cofiño; on the East, with lands of Fort Buchanan Military Reservation, lands of J. Bacardi and Arturo Mezquillo and on the West, with Villa España Development, United States Military Reservation, Puerto Rico Railroad Company and Puerto Rico Road Number 167

BRAC PROJECT 138076
PROPERTY 484 BAYAMON
PAGE 2

DOMAIN:

Vested in favor of UNITED STATES OF AMERICA, who acquired title by grouping these properties for an undisclosed nominal value, as per deed number 12, signed in San Juan, May 10th, 1974, before Ricardo Luis Nigaglioni, Notary Public. Recorded at page 266 of Bayamón Volume 1081. First Inscription.

LIENS:

By its origin is:

MORTGAGE:

Pledged by Buchanan Housing Corporation, encumbering a lease agreement nowadays cancelled on property number 5635, guaranteeing a promissory note in favor of "BANCO CRÉDITO Y AHORRO PONCEÑO, or its order, for the principal amount of \$2,015,600.00, bearing interest at an annual rate of 4%, due on June 1st, 1987, as per deed number 422, signed in San Juan, on June 11th, 1953, before José Antonio Luiña, Notary Public. Recorded at page 77 overleaf of Bayamón Volume 143. Property Number 5635. Third Inscription.

COMMENT:

The lease agreement over which this mortgage is pledged was created as per deed number 396 signed June 1st, 1953 before José Antonio Luiña and recorded in the Second Inscription of property number 5635. (From property number 5635 a tract of land was segregated and recorded as property number 48410 which was later on grouped with other properties to form this property). The lease agreement was cancelled as per Court Order dated June 29th, 1961 in Civil Case Number 61-135 litigated at the United States District Court for the District of Puerto Rico. Recorded at page 209 of Bayamón Volume 143. Sixth Inscription.

EASEMENT:

Vested in favor of Puerto Rico Water Resources Authority ("Autoridad de las Fuentes Fluviales de Puerto Rico"), encumbering a tract of land of 163.858 acres, specifically created for construction or installation, operation, maintenance, repairs and renovations of electrical power transmission lines, for a period of 50 years, with a nominal value of \$1.00, as per private document, signed April 17th, 1953 and protocolized in deed number 232, signed in San Juan, September 18th, 1953 before José Vilá Ruiz, Notary Public. Recorded at page 91 overleaf of

BRAC PROJECT 138076
PROPERTY 4841 BAYAMON
PAGE 3

LEASE AGREEMENT:

Pledged over certain tracts of land within property number 5635 with an area of 14.58 acres and other properties, by the United States of America, represented by the Secretary of the Army, in favor of FORT BUCHANAN CAPEHART CORPORATION, for a period of 55 years, specifically created for the construction of 100 housing units for United States Armed Forces Personnell. An insurance policy from the Federal Housing Administration was required, as per Protocolization deed number 247, signed in San Juan, August 28th, 1961, before José Manuel Calderón Cerecedo, Notary Public. Recorded at page 211 of Bayamón Volume 143. Seventh Inscription.

MORTGAGE:

Pledged by Fort Buchanan Capehart Corporation, encumbering a property number 5635 seventh inscription lease agreement, guaranteeing a promissory note in favor of THE COUNTY TRUST COMPANY, or its order, for the principal amount of \$1,563,900.00, bearing interest at an annual rate of 4½%, due on December 1st, 1987, as per deed number 248, signed in San Juan, on August 28th, 1961, before José Manuel Calderón Cerecedo, Notary Public. Recorded at page 172 overleaf of Bayamón Volume 399. Property Number 5635. Eighth Inscription.

MORTGAGE AMMENDMENT:

Property Number 5635 Third inscription mortgage was ammended after lease agreement was cancelled, setting forth new payment options, and identifying new promissory note holder, FEDERAL NATIONAL MORTGAGE ASSOCIATION, as per deed number 19, signed in San Juan, December 4th, 1961, before José O. Sabater, Notary Public (Protocolizing private documents signed in Arlington County, USA, June 27th, 1961). Recorded at page 193 of Bayamón Volume 399. Ninth Inscription.

By itself it is:

Free of any liens and encumbrances.

COMMENT:

This property lies within the jurisdiction of Property Registry at Bayamón, Third Section. The

BRAC PROJECT 38076
PROPERTY 48411 BAYAMON
PAGE 4

REVISED: State, Federal Tax Liens, Judgment Indexes and Electronic Pending document Log, as of March 6th, 2007.

L. J. N. TITLE SEARCH COMPANY, INC
APARTADO 4511
CAROLINA, PUERTO RICO 00984
Tel. (787) 791-5381 Fax: (787) 791.5304

By: _____



AUTHORIZED OFFICER

RRB/ rr 565

WARNING: This report contains the recorded history of this property, as it is contained in the Official Books at the Property Registry. The electronics pending documents log is not one of those books, thus we are not responsible for errors and omissions in its content.

stem with 50' 000

ACQUISITION AUTHORIZATION
 ORIGINAL ACQUISITION DATED PRIOR TO JULY 1, 1940
 D.U.N. NUMBERED DATED 3-7-40
 REVISED AMENDED DATED 3-25-41
 D.U.N. FROM DATED 10-16-52
 IN ADDN. TO U.S. ARMY DATED 5-17-57

CIVIL DISTRICT PRE
 CITY, VILLAGE OR
 CEMETERY, SMALL
 TOWNSHIP LINE
 SECTION LINE
 AVIGATION EASEM
 TRACT NUMBER

ACQUISITION TRACT REGISTER

RE-D	TRACT NO.	LAND OWNER	ACRES			LEASER INTEREST			REMARKS
			FEE	LEASED	TRANSFER	DATE	TERMIN	LIC	
	1	RAFAEL ARRISTA, ET AL	27.75						FORMERLY SHOWN AS PARCEL SIX IN D/T NO. 1
	2	JUAN J. MORALES	118.40						FORMERLY SHOWN AS PARCEL ONE IN D/T NO. 1
3-7-40	3	RAFAEL ARRISTA, ET AL	40.10					5635	FORMERLY SHOWN AS PARCEL THREE IN D/T NO. 1
12-20-41	4	FRANCISCO VIEJO ESTATE	55.50					5623	FORMERLY SHOWN AS PARCEL FIVE IN D/T NO. 1
494	5	FRANCISCO VIEJO	75.20					5618	FORMERLY SHOWN AS PARCEL FOUR IN D/T NO. 1
	6	MARIA BENIGNA VICTORIA BLANCO MORALES, ET AL	194.90	3.85				5925	LEASE NO. 84009 ENG. 29 FORMERLY SHOWN AS PARCEL TWO IN D/T NO. 1
	7	CAPASER DAISY, INC.							
	8	RAFAEL ARRISTA, ET AL	19.55						
	9	MARCO TOME CANEJA	5.20						
	10	PUERTO RICO CEMENT CORPORATION	8.72						FORMERLY KNOWN AS TRACT 9-98
	11	CATALINA MEJIA, ET AL		0.73					LEASE NO. 81099 ENG. 1818 LEASE NO. 81099 ENG. 1864
	12	JUAN M. SANCHEZ			0.4				FORMERLY SHOWN AS TRACT PARCEL 14 IN D/T NO. 1
	13	RAFAEL ARRISTA, ET AL							FORMERLY SHOWN AS TRACT PARCEL 4 IN D/T NO. 1
	14	JOSE E. LOPES MORRIS, ET AL							DISPOSAL OF LICENSE FOR INDEFINITE PERIOD DATE 12-23-51
3-7-40	54	PUERTO RICO CEMENT CORPORATION							LEASE DA-08-123 ENG. 1202 S.A. NO. 15
12-20-41	54	PUERTO RICO CEMENT CORPORATION							LEASE DA-08-123 ENG. 1404
494	54	FRANCISCO VIEJO ESTATE		14.75					PERMITS DATED 12-4-55
6-17-53	57	CATALINA MEJIA, ET AL							
	58	PUERTO RICO CEMENT CORPORATION							

DATE	REVISIONS
12-31-52	TR. 12. FORM
9-5-54	GENERAL REVISIONS
5-16-58	DISPOSAL OF TRACTS NOS. 11, 57 AND 118
1-25-60	DISPOSAL OF U.S. AR. LEASER TRACTS
6-30-63	TRACTS BE TERMINATED
3-5-65	DUE TO SUPPLEMENTAL AUDIT

CORPS OF ENGINEERS,
 CARIBBEAN AREA, JACKSONVILLE,
 SAN JUAN PUERTO RICO

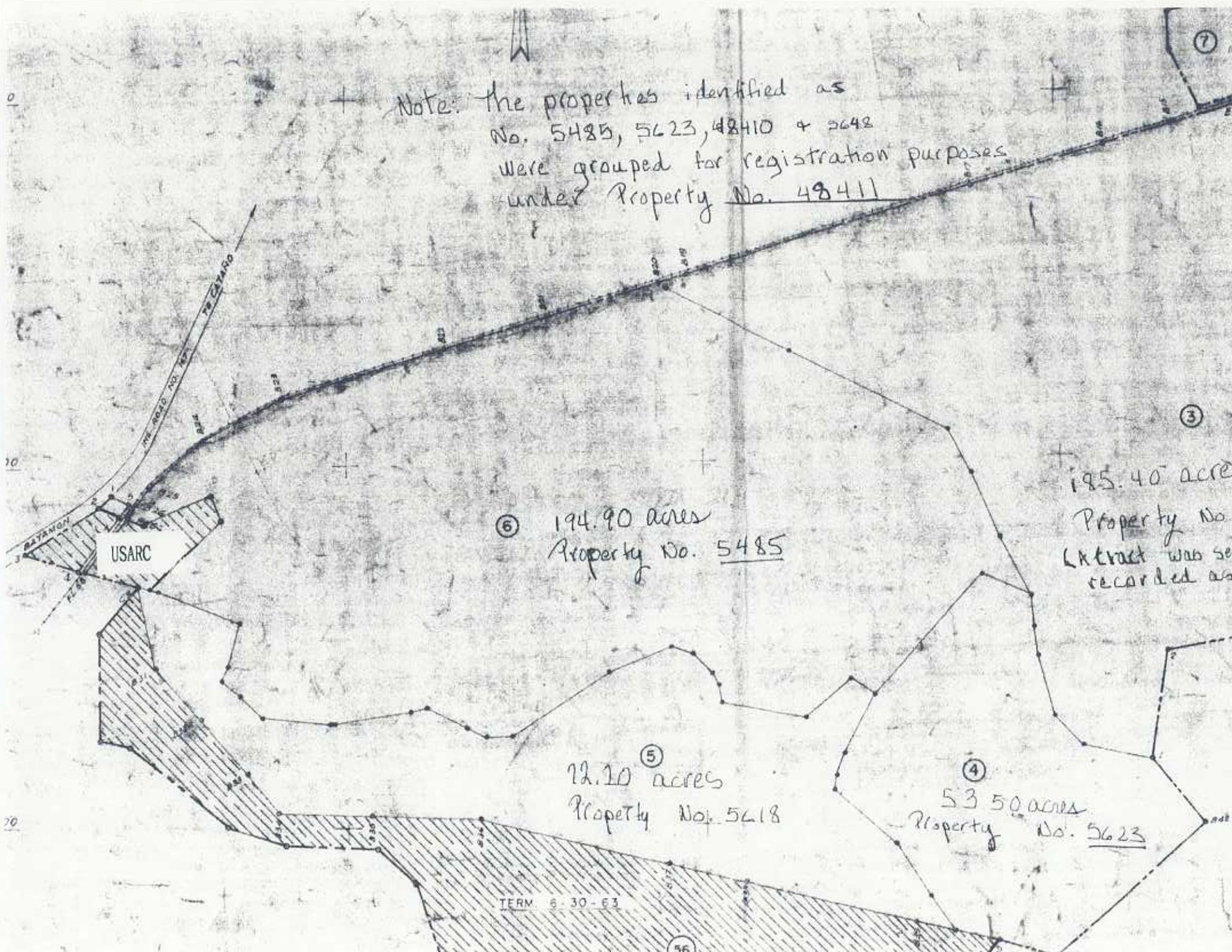
DRAWN BY: PORTER
 CHECKED BY: PORTER
 SUBMITTED BY: *Carolina P. Quijano*
 RECOMMENDED BY: *William H. Chapman*

REAL
 FORT B
 MILITARY
 APPROVED: *John H. ...*
 CHIEF OF ENGINEERS, WASHINGTON, D.C.

AUDITED
 INSTALLATION OR PROJECT NO. 796

* Nbk: 1LT Paul Laverne USARL LBRAC is comprised within Tract 6 above.

Note: The properties identified as
No. 5485, 5623, 48410 + 2642
were grouped for registration purposes
under Property No. 48411



⑥ 194.90 acres
Property No. 5485

③ 185.40 acres
Property No. 48411
(A tract was sep
recorded as

⑤ 12.10 acres
Property No. 5418

④ 53.50 acres
Property No. 5623

TERM 6-30-63

56

METES & BOUNDS OF PORTION ON THIS SHEET

POINT	BEARING	DISTANCE (FT.)	POINT	BEARING	DISTANCE (FT.)	POINT	BEARING	DISTANCE (FT.)
102			11	N 45° 41' 30" E	271.89	54		
106	S 8° 15' 00" E	395.90	12	N 38° 50' 30" E	83.42	55	N 80° 41' 30" W	84.33
105	S 8° 12' 00" E	354.85	13	N 38° 50' 30" E	83.42	56	N 68° 36' 30" W	104.09
104	S 74° 15' 00" W	318.06	14	N 38° 50' 30" E	83.42	57	N 65° 42' 30" W	65.38
103	S 71° 08' 00" E	900.81	15	N 38° 50' 30" E	83.42	58	N 56° 25' 10" W	111.47
102	S 71° 15' 00" E	122.88	16	N 54° 55' 40" E	108.85	59	N 58° 15' 10" W	49.25
B-1	S 23° 28' 30" W	176.21	17	N 58° 28' 50" E	204.83	60	N 76° 30' 30" W	93.09
B-16	S 73° 59' 40" W	418.68	18	N 61° 43' 40" E	78.03	61	N 65° 01' 10" W	57.06
B-15	S 73° 59' 40" W	399.74	19	S 83° 05' 40" E	42.92	62	N 13° 03' 10" E	128.14
B-17	S 73° 59' 40" W	783.60	20	S 69° 09' 00" E	98.55	63	N 19° 09' 10" E	218.82
B-19	S 73° 59' 40" W	1670.74	21	S 58° 50' 10" E	90.82	64	N 25° 23' 30" E	121.54
B-20	S 73° 59' 40" W	188.47	22	N 85° 09' 10" E	104.05	65	N 61° 02' 30" W	48.47
B-21	S 73° 59' 40" W	654.84	23	N 51° 04' 10" E	78.13	66	S 36° 57' 30" W	249.01
B-22	S 73° 59' 40" W	584.16	24	N 44° 14' 40" E	41.25	67	N 14° 25' 40" W	89.80
B-23	S 73° 59' 40" W	978.92	25	N 62° 09' 40" E	58.83	68	N 30° 12' 30" W	595.57
B-24	S 68° 45' 00" W	489.00	26	S 76° 12' 50" E	65.89	69	N 52° 31' 50" W	95.51
B-25	S 49° 47' 00" W	418.00	27	N 58° 49' 40" E	95.57	70	N 33° 57' 30" W	81.83
B-26	S 42° 17' 00" W	116.00	28	S 50° 45' 10" E	412.47	71	S 43° 38' 20" W	89.98
FL-50	S 37° 09' 00" W	84.06	29	S 50° 35' 40" E	389.65	72	N 36° 09' 10" W	153.38
FL-58	S 36° 24' 40" W	388.63	30	N 43° 51' 40" E	422.88	73	N 47° 31' 30" W	75.72
C-5	S 74° 28' 30" E	307.53	31	N 43° 56' 50" E	497.47	74	N 63° 22' 30" W	913.28
B-31	S 112° 49' 30" E	478.73	32	N 46° 54' 40" E	120.38	75	N 66° 33' 40" W	81.67
B-32A	S 42° 13' 50" E	378.34	33	N 62° 42' 40" E	429.86	76	S 65° 26' 20" W	123.30
B-33	S 41° 24' 10" E	387.13	34	N 62° 42' 30" E	317.28	77	S 61° 15' 10" W	98.99
B-34	S 38° 54' 30" E	278.00	35	N 50° 14' 50" E	408.58	78	S 31° 23' 40" W	191.88
B-35	S 88° 02' 30" E	519.18	36	N 51° 37' 50" E	874.83	79	S 23° 30' 00" W	194.83
B-36	S 81° 59' 00" E	818.47	37	N 51° 04' 20" E	80.81	80	S 23° 28' 10" W	92.38
B-37	S 76° 04' 00" E	1067.04	38	N 24° 40' 20" E	15.23	81	N 76° 51' 40" W	132.82
B-38	S 76° 04' 00" E	447.59	39	N 4° 38' 10" W	85.62	82	S 74° 15' 50" W	68.39
B-39	S 76° 03' 00" E	971.83	40	N 1° 18' 40" W	83.81	83	S 71° 30' 20" W	82.57
B-40	S 76° 03' 00" E	476.69	41	N 0° 28' 20" E	304.78	84	S 76° 34' 00" W	83.95
B-41	S 74° 32' 40" E	327.46	42	N 0° 29' 00" E	24.98	85	N 79° 15' 50" W	73.71
B-42	N 49° 14' 50" E	1098.99	43	N 88° 23' 50" E	1418.49	A	N 72° 15' 00" W	599.51
B-1	N 30° 40' W	450.66	44	N 2° 33' 00" W	39.50	B	S 2° 09' 40" W	294.12
B-2			45	N 13° 01' 30" W	201.28	C	S 16° 12' 00" W	99.36
B-3			46	S 61° 08' 40" W	285.12	D	N 42° 39' 50" W	500.00
B-4	S 10° 26' E	6.32	47	N 75° 19' 00" W	127.15	E	S 47° 20' 10" W	430.00
B-5	N 71° 36' 10" E	230.80	48	N 74° 22' 10" W	123.46	F	S 42° 39' 50" E	224.62
B-6	S 81° 17' 00" E	339.56	49	N 84° 48' 10" W	157.08	G	S 66° 30' 50" W	420.38
B-7		97.59	50	N 74° 20' 10" W	76.03	H	S 71° 26' 30" W	119.65
B-8		92	51	N 80° 44' 00" W	34.33	I	S 5° 29' 10" E	11.99
B-9		340	52	N 89° 08' 10" W	29.49	J	S 81° 50' 40" W	90.74
B-10		396.06	53	S 85° 05' 10" W	80.20	K	N 66° 29' 20" W	569.72
B-11	N 61° 13' 0" E	118.23	54	N 85° 51' 20" W	10.68	P.G.	N 31° 37' 00" W	498.34
B-12	S 41° 16' 1" E	631.59						

NOTE:

Coordinates for Puerto Rico origin at and meridian ft. added

6.43 ACRES, PORTION OF TRACT 51 RESERVE CENTER, SAN JUAN (BAY)



METES AND BOUNDS DESCRIPTION OF THE WESTERN PORTION OF TRACT NO. 6

POINT	BEARING	DISTANCE (FT.)
1		
2	S 46° 13' 20" W	103.58
3	S 53° 47' 40" W	487.06
4	S 71° 48' 00" E	310.59
5	N 37° 08' 20" W	469.80
6	N 81° 49' 50" W	104.00



20 FT WD ELEC EASMT
CONTAINING 0.22 OF AN ACRE
#DACA17-2-99-3011

PIPELINE EASMT
#DACA17-2-80-3011

Parcel 1 (1.83 ac)

Parcel 100 (0.36 ac)

Parcel 2 (4.60 ac)

PERPETUAL ROAD EASMT TO COMM. OF P.R.
CONTAINING 1.49 AC
#DACA17-2-82-3010 DTD 18 NOV 1982

100 50 0 100 200 FT

**1LT LAVERGNE USARC
(Bayamón Army Reserve Center)
Bayamón, Puerto Rico**

 Area dedicated to roadway, pipeline and electric power lines right-of-way.

 USARC area in use

NO. 1	DATE	BY	REVISION
1	11/18/82	...	...
2	...	...	...
3	...	...	...
4	...	...	...
5	...	...	...
6	...	...	...
7	...	...	...
8	...	...	...
9	...	...	...
10	...	...	...
11	...	...	...
12	...	...	...
13	...	...	...
14	...	...	...
15	...	...	...
16	...	...	...
17	...	...	...
18	...	...	...
19	...	...	...
20	...	...	...
21	...	...	...
22	...	...	...
23	...	...	...
24	...	...	...
25	...	...	...
26	...	...	...
27	...	...	...
28	...	...	...
29	...	...	...
30	...	...	...
31	...	...	...
32	...	...	...
33	...	...	...
34	...	...	...
35	...	...	...
36	...	...	...
37	...	...	...
38	...	...	...
39	...	...	...
40	...	...	...
41	...	...	...
42	...	...	...
43	...	...	...
44	...	...	...
45	...	...	...
46	...	...	...
47	...	...	...
48	...	...	...
49	...	...	...
50	...	...	...
51	...	...	...
52	...	...	...
53	...	...	...
54	...	...	...
55	...	...	...
56	...	...	...
57	...	...	...
58	...	...	...
59	...	...	...
60	...	...	...
61	...	...	...
62	...	...	...
63	...	...	...
64	...	...	...
65	...	...	...
66	...	...	...
67	...	...	...
68	...	...	...
69	...	...	...
70	...	...	...
71	...	...	...
72	...	...	...
73	...	...	...
74	...	...	...
75	...	...	...
76	...	...	...
77	...	...	...
78	...	...	...
79	...	...	...
80	...	...	...
81	...	...	...
82	...	...	...
83	...	...	...
84	...	...	...
85	...	...	...
86	...	...	...
87	...	...	...
88	...	...	...
89	...	...	...
90	...	...	...
91	...	...	...
92	...	...	...
93	...	...	...
94	...	...	...
95	...	...	...
96	...	...	...
97	...	...	...
98	...	...	...
99	...	...	...
100	...	...	...

Appendix D
**Previous Environmental
Site Assessment Reports**

Appendix D redacted.

Appendix E
**Regulatory Database
Search Reports**



EDR® Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**1LT Paul Lavergne USARC, PR
RD 167, KM 5.0, HWY 8
BAYAMON, PR 00961**

Inquiry Number: 01714247.8r

July 19, 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

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	5
Orphan Summary	6
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
Physical Setting Source Map Findings	A-8
Physical Setting Source Records Searched	A-33

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 OF 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.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2006 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

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

RD 167, KM 5.0, HWY 8
BAYAMON, PR 00961

COORDINATES

Latitude (North): 18.408135 - 18° 24' 29.3"
Longitude (West): 66.147939 - 66° 8' 52.6"
Universal Transverse Mercator: Zone 19
UTM X (Meters): 801329.2
UTM Y (Meters): 2037588.2
Elevation: 33 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: N/A
Source: USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

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
Proposed NPL..... Proposed National Priority List Sites
Delisted NPL..... National Priority List Deletions
NPL RECOVERY..... Federal Superfund Liens
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRA-TSDF..... Resource Conservation and Recovery Act Information
RCRA-LQG..... Resource Conservation and Recovery Act Information

EXECUTIVE SUMMARY

RCRA-SQG	Resource Conservation and Recovery Act Information
ERNS	Emergency Response Notification System
HMIRS	Hazardous Materials Information Reporting System
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
FUDS	Formerly Used Defense Sites
US BROWNFIELDS	A Listing of Brownfields Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
ODI	Open Dump Inventory
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS	Section 7 Tracking Systems
ICIS	Integrated Compliance Information System
PADS	PCB Activity Database System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

SHWS	This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.
LUST	Leaking Underground Storage Tanks
UST	Underground Storage Tank Facilities

TRIBAL RECORDS

INDIAN RESERV	Indian Reservations
----------------------	---------------------

EDR PROPRIETARY RECORDS

Manufactured Gas Plants	EDR Proprietary Manufactured Gas Plants
EDR Historical Auto Stations	EDR Proprietary Historic Gas Stations
EDR Historical Cleaners	EDR Proprietary Historic Dry Cleaners

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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.

EXECUTIVE SUMMARY

FEDERAL RECORDS

DOD: 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.

A review of the DOD list, as provided by EDR, and dated 12/31/2004 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
FORT BUCHANAN MILITARY RESERVA		1/2 - 1 ENE	0	5

EXECUTIVE SUMMARY

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

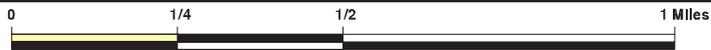
<u>Site Name</u>	<u>Database(s)</u>
AVE CASTIGLIONI / CALLE 21	LUST
CALLE 167 KM 2.6	LUST
CALLE 167 LA PAZ	LUST
CALLE BARBOSA ESQ. CARR 2	LUST
CARR 2 KM 8.9	LUST
CARR 2 CALLE 1 COOP.	LUST
CARR 2 KM 15.0	LUST
CARR 2 KM 14.2	LUST
CARR 167 KM 15.4	LUST
CARR 2 SANTA ROSA	LUST
CARR 2 KM 11.2	LUST
CARR 174 KM 1.7	LUST
CARR 167 CALLE 21/ URB. REXVIL	LUST
CARR 2 KM 13.9	LUST
CARR 2 KM 9.6	LUST
CARR 174 KM 2.2 MINILLAS INDUS	LUST
ANTIGUO LOCAL GENERAL GASES	UST
I T S CALEB BRETT USA INC	RCRA-SQG, FINDS
TELEFONICA DE PUERTO RICO	RCRA-SQG, FINDS
WALGREENS 059	RCRA-SQG, FINDS
LOSADA AUTO TRUCK INC	RCRA-SQG, FINDS

OVERVIEW MAP - 01714247.8r



- ★ 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
- ▲ County Boundary
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

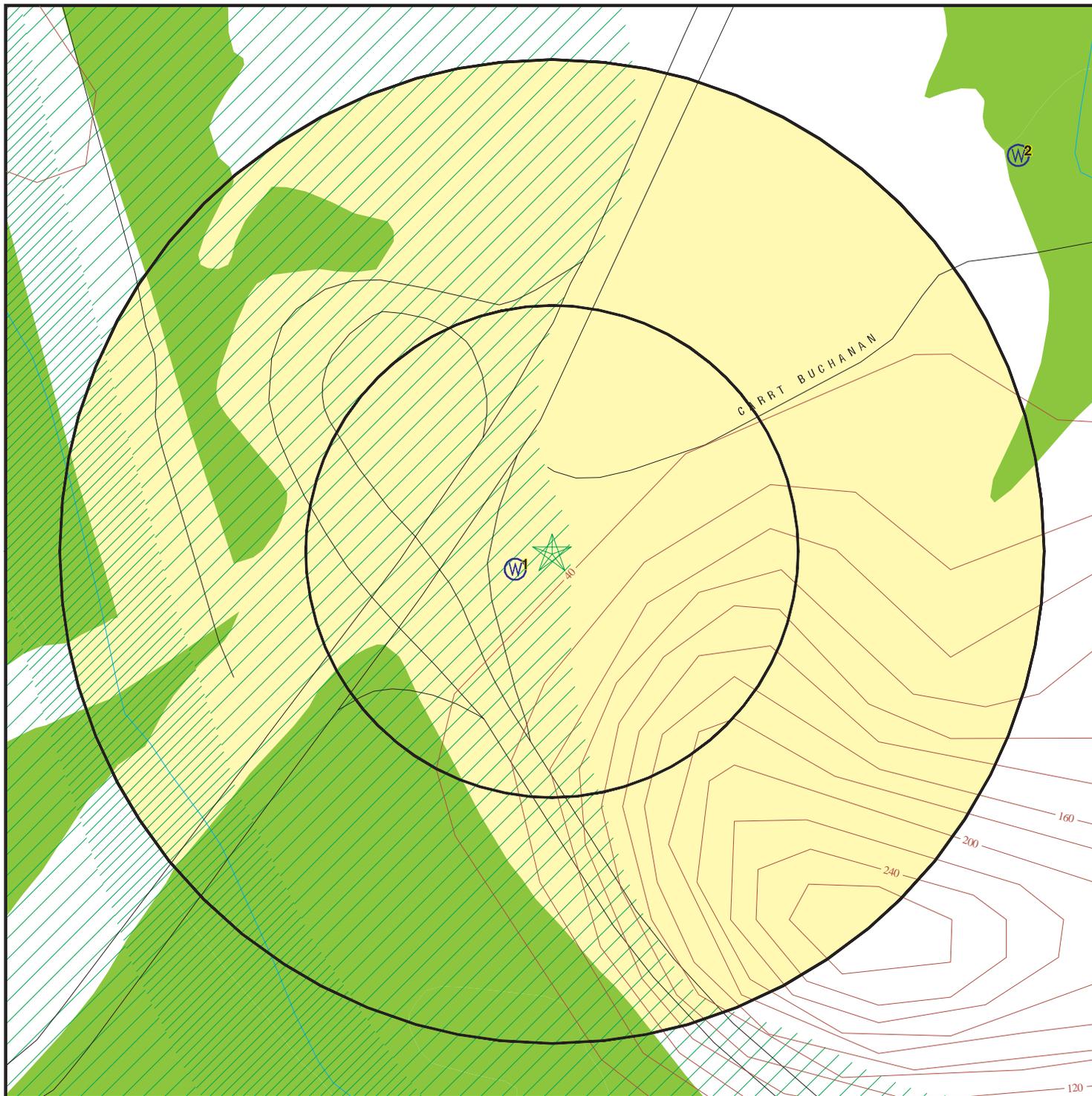


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 1LT Paul Lavergne USARC, PR
 ADDRESS: RD 167, KM 5.0, HWY 8
 BAYAMON PR 00961
 LAT/LONG: 18.4081 / 66.1479

CLIENT: CH2M Hill
 CONTACT: Mary Beth Jacques
 INQUIRY #: 01714247.8r
 DATE: July 19, 2006

DETAIL MAP - 01714247.8r



- ★ 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
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🌿 National Wetland Inventory

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: 1LT Paul Lavergne USARC, PR
 ADDRESS: RD 167, KM 5.0, HWY 8
 BAYAMON PR 00961
 LAT/LONG: 18.4081 / 66.1479

CLIENT: CH2M Hill
 CONTACT: Mary Beth Jacques
 INQUIRY #: 01714247.8r
 DATE: July 19, 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
<u>FEDERAL RECORDS</u>								
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.		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	1	NR	1
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	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
<u>STATE AND LOCAL RECORDS</u>								
State Haz. Waste		N/A	N/A	N/A	N/A	N/A	N/A	N/A
LUST		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
<u>TRIBAL RECORDS</u>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
<u>EDR PROPRIETARY RECORDS</u>								
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

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

MAP FINDINGS

Map ID
Direction
Distance
Distance (ft.)
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

DOD
Region
ENE
1/2-1
5087 ft.

FORT BUCHANAN MILITARY RESERVATION
FORT BUCHANAN MILITARY RE (County), PR

DOD **CUSA047723**
N/A

FEDERAL LANDS:

Feature 1: Army DOD
Feature 2: Not reported
Feature 3: Not reported
Agency: DOD
URL: Not reported
Name 1: Fort Buchanan Military Reservation
Name 2: Not reported
Name 3: Not reported
State: PR

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BAYAMON	1004778998	I T S CALEB BRETT USA INC	RTE 28 KM .2	00961	RCRA-SQG, FINDS
BAYAMON	S101442784		AVE CASTIGLIONI / CALLE 21		LUST
BAYAMON	S101442877		CALLE 167 KM 2.6		LUST
BAYAMON	S101442749		CALLE 167 LA PAZ		LUST
BAYAMON	S103553960		CALLE BARBOSA ESQ. CARR 2		LUST
BAYAMON	U003796835	ANTIGUO LOCAL GENERAL GASES	CALLE BARBOSA #6	00961	UST
BAYAMON	1001969278	TELEFONICA DE PUERTO RICO	CALLE 31 ESQ CALLE ARACENA	00961	RCRA-SQG, FINDS
BAYAMON	S106452761		CARR 2 KM 8.9		LUST
BAYAMON	S101442892		CARR 2 CALLE 1 COOP.		LUST
BAYAMON	S101442781		CARR 2 KM 15.0		LUST
BAYAMON	S101442757		CARR 2 KM 14.2		LUST
BAYAMON	S103934106		CARR 167 KM 15.4		LUST
BAYAMON	S104228807		CARR 2 SANTA ROSA		LUST
BAYAMON	S104228797		CARR 2 KM 11.2		LUST
BAYAMON	S103554123		CARR 174 KM 1.7		LUST
BAYAMON	S103554115		CARR 167 CALLE 21/ URB. REXVIL		LUST
BAYAMON	S103553906		CARR 2 KM 13.9		LUST
BAYAMON	S103553842		CARR 2 KM 9.6		LUST
BAYAMON	S103553736		CARR 174 KM 2.2 MINILLAS INDUS		LUST
BAYAMON	1001113913	WALGREENS 059	CARR 2 BAYAMON OESTG SHOP CTR	00961	RCRA-SQG, FINDS
BAYAMON	1000801123	LOSADA AUTO TRUCK INC	CARR 2 KM 15.5 AL LADO DE	00961	RCRA-SQG, FINDS

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: 07/19/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/16/2006
	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: 07/17/2006
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: 07/17/2006
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/16/2006
	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: 07/17/2006
Number of Days to Update: 11	Next Scheduled EDR Contact: 10/16/2006
	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: 07/17/2006
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/16/2006
	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: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

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: Environmental Quality Board
Telephone: 787-767-8181
Last EDR Contact: 08/22/2005
Next Scheduled EDR Contact: 11/21/2005
Data Release Frequency: N/A

LUST: Leaking Underground Storage Tanks

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: 09/30/2005
Date Data Arrived at EDR: 01/19/2006
Date Made Active in Reports: 02/23/2006
Number of Days to Update: 35

Source: Environmental Quality Board
Telephone: 787-767-8056
Last EDR Contact: 06/12/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Semi-Annually

UST: Underground Storage Tank Facilities

Date of Government Version: 01/01/2006
Date Data Arrived at EDR: 01/19/2006
Date Made Active in Reports: 02/16/2006
Number of Days to Update: 28

Source: Environmental Quality Board
Telephone: 787-767-8056
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: 08/21/2006
Data Release Frequency: Semi-Annually

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
Date Data Arrived at EDR: 02/08/2005
Date Made Active in Reports: 08/04/2005
Number of Days to Update: 177

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 05/12/2006
Next Scheduled EDR Contact: 08/07/2006
Data Release Frequency: Semi-Annually

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.

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: 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
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

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.

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.

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2004
Date Data Arrived at EDR: 04/24/2006
Date Made Active in Reports: 05/02/2006
Number of Days to Update: 8

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/05/2006
Next Scheduled EDR Contact: 10/02/2006
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 09/30/2005
Date Data Arrived at EDR: 05/09/2006
Date Made Active in Reports: 05/24/2006
Number of Days to Update: 15

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 06/19/2006
Next Scheduled EDR Contact: 09/18/2006
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

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.

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

© 2006 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

GEOCHECK® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

1LT PAUL LAVERGNE USARC, PR
RD 167, KM 5.0, HWY 8
BAYAMON, PR 00961

TARGET PROPERTY COORDINATES

Latitude (North):	18.408135 - 18° 24' 29.3"
Longitude (West):	66.147939 - 66° 8' 52.6"
Universal Tranverse Mercator:	Zone 19
UTM X (Meters):	801329.2
UTM Y (Meters):	2037588.2
Elevation:	33 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property:	N/A
Source:	USGS 7.5 min quad index

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

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> BAYAMON, PR	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	7200000049B
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> NOT AVAILABLE	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
---	---

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: -
System: -
Series: -
Code: N/A (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: -

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: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

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

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 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	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

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: clay loam
loamy sand

Surficial Soil Types: clay loam
loamy sand

Shallow Soil Types: No Other Soil Types

Deeper Soil Types: unweathered bedrock

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

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS2018688	0 - 1/8 Mile WSW
2	USGS2018568	1/4 - 1/2 Mile NE
3	USGS2018597	1/4 - 1/2 Mile North
4	USGS2018733	1/4 - 1/2 Mile ENE
A5	USGS2018592	1/4 - 1/2 Mile NW
A6	USGS2018603	1/4 - 1/2 Mile NW
7	USGS2018611	1/4 - 1/2 Mile NNE

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

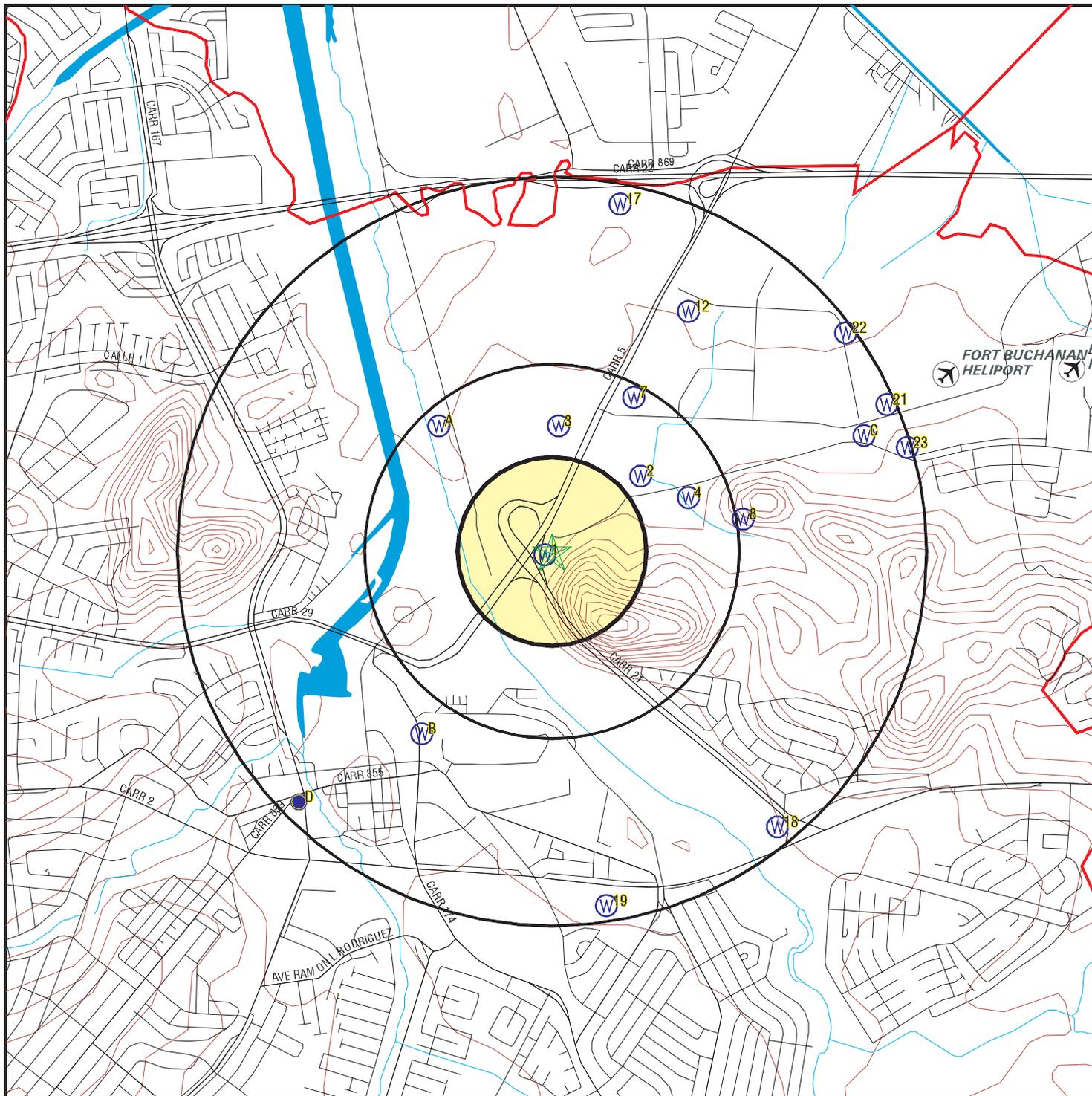
MAP ID	WELL ID	LOCATION FROM TP
8	USGS2018717	1/2 - 1 Mile East
B9	USGS2018795	1/2 - 1 Mile SW
B10	USGS2018794	1/2 - 1 Mile SW
B11	USGS2018796	1/2 - 1 Mile SW
12	USGS2018478	1/2 - 1 Mile NNE
C13	USGS2018585	1/2 - 1 Mile ENE
C14	USGS2018580	1/2 - 1 Mile ENE
C15	USGS2018602	1/2 - 1 Mile ENE
D16	USGS2018776	1/2 - 1 Mile SW
17	USGS2018537	1/2 - 1 Mile North
18	USGS2018764	1/2 - 1 Mile SE
19	USGS2018931	1/2 - 1 Mile South
21	USGS2018607	1/2 - 1 Mile ENE
22	USGS2018644	1/2 - 1 Mile NE
23	USGS2018579	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
D20	PR0005547	1/2 - 1 Mile SW

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

PHYSICAL SETTING SOURCE MAP - 01714247.8r



- 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: 1LT Paul Lavergne USARC, PR
 ADDRESS: RD 167, KM 5.0, HWY 8
 BAYAMON PR 00961
 LAT/LONG: 18.4081 / 66.1479

CLIENT: CH2M Hill
 CONTACT: Mary Beth Jacques
 INQUIRY #: 01714247.8r
 DATE: July 19, 2006

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
WSW
0 - 1/8 Mile
Higher

FED USGS USGS2018688

Agency cd:	USGS	Site no:	182436066085500
Site name:	FORT BUCHANAN 2 WELL, BAYAMON, PR		
Latitude:	182436		
Longitude:	0660855	Dec lat:	18.4080036
Dec lon:	-66.1482222	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	32.81	Altitude method:	M
Altitude accuracy:	2.5	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19410206
Date inventoried:	19460102	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	340.0	Hole depth:	405.0
Source of depth data:	driller	Project number:	PR454300200
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:	1941-02-06	Ground water data end date:	1941-02-06
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1941-02-06 12.0

Note: The well was destroyed (no water level is recorded).

2
NE
1/4 - 1/2 Mile
Higher

FED USGS USGS2018568

Agency cd:	USGS	Site no:	182447066084100
Site name:	FORT BUCHANAN 4 WELL, BAYAMON, PR		
Latitude:	182447		
Longitude:	0660841	Dec lat:	18.41105889
Dec lon:	-66.1443333	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	32.81	Altitude method:	M
Altitude accuracy:	2.5	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19410517
Date inventoried:	19451205	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	175.0	Hole depth:	175.0
Source of depth data:	Not Reported	Project number:	PR454300200
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

3

North
1/4 - 1/2 Mile
Lower

FED USGS USGS2018597

Agency cd:	USGS	Site no:	182454066085300
Site name:	EDMUNDO WELL, BAYAMON, PR		
Latitude:	182454		
Longitude:	0660853	Dec lat:	18.41300333
Dec lon:	-66.14766667	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	26.25	Altitude method:	M
Altitude accuracy:	3	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	1956
Date inventoried:	19610426	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	90.0	Hole depth:	90.0
Source of depth data:	driller	Project number:	PR454300200
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:	1961-04-26	Ground water data end date:	1961-04-26
Ground water data count:	1		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1961-04-26	15.60	

4
ENE
1/4 - 1/2 Mile
Higher

FED USGS USGS2018733

Agency cd:	USGS	Site no:	182444066083400
Site name:	FORT BUCHANAN 3 WELL, BAYAMON, PR		
Latitude:	182444		
Longitude:	0660834	Dec lat:	18.41022556
Dec lon:	-66.14238889	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	32.81	Altitude method:	M
Altitude accuracy:	3	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19410320
Date inventoried:	19460102	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	171.0	Hole depth:	175.0
Source of depth data:	driller	Project number:	PR454300200
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:	1941-03-20	Ground water data end date:	1941-03-20
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1941-03-20	8.0	

A5
NW
1/4 - 1/2 Mile
Lower

FED USGS USGS2018592

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	182453066091100
Site name:	CENTRAL JUANITA 2 WELL, BAYAMON, PR		
Latitude:	182453		
Longitude:	0660911	Dec lat:	18.41272556
Dec lon:	-66.15266667	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	16.40	Altitude method:	M
Altitude accuracy:	3	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Alluvial fan		
Site type:	Ground-water other than Spring	Date construction:	1937
Date inventoried:	19451030	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	250.0
Source of depth data:	Not Reported	Project number:	PR454300200
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**A6
NW
1/4 - 1/2 Mile
Lower**

FED USGS USGS2018603

Agency cd:	USGS	Site no:	182455066091000
Site name:	CENTRAL JUANITA 1 WELL, BAYAMON, PR		
Latitude:	182455		
Longitude:	0660910	Dec lat:	18.41328083
Dec lon:	-66.15238889	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	16.40	Altitude method:	M
Altitude accuracy:	3	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	1958
Date inventoried:	19610426	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	360.0
Source of depth data:	driller	Project number:	PR454300200
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: Not Reported
 Water quality data end date: Not Reported
 Ground water data begin date: Not Reported
 Ground water data count: Not Reported

Water quality data begin date: Not Reported
 Water quality data count: Not Reported
 Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

7

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

FED USGS USGS2018611

Agency cd:	USGS	Site no:	182458066084200
Site name:	GOYA WELL, BAYAMON, PR		
Latitude:	182458		
Longitude:	0660842	Dec lat:	18.41411417
Dec lon:	-66.1446111	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	16.40	Altitude method:	M
Altitude accuracy:	8.2	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	19630419
Date inventoried:	19630419	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported		
Source of depth data:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported		
Daily flow data begin date:	Not Reported		
Daily flow data count:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data end date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data end date:	Not Reported		
Water quality data count:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data end date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

8

**East
 1/2 - 1 Mile
 Higher**

FED USGS USGS2018717

Agency cd:	USGS	Site no:	182441066082600
Site name:	BUCHANAN PARK WELL, BAYAMON, PR		
Latitude:	182441		
Longitude:	0660826	Dec lat:	18.40939222
Dec lon:	-66.14016667	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	65.6	Altitude method:	M
Altitude accuracy:	8.2	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	1984	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	182
Source of depth data:	Not Reported	Project number:	PR454300201
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:	1985-12-20	Ground water data end date:	2005-03-10
Ground water data count:	188		

Ground-water levels, Number of Measurements: 188

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2005-03-10	35.30		2005-02-07	33.80	
2005-01-14	34.16		2004-12-15	35.04	
2004-11-12	35.54		2004-10-04	36.40	
2004-09-10	37.42		2004-08-20	37.34	
2004-07-06	36.63		2004-06-22	36.70	
2004-05-21	36.27		2004-04-12	38.55	
2004-03-09	38.84		2004-02-23	38.68	
2004-01-07	37.38		2003-12-22	36.92	
2003-11-17	37.28		2003-10-03	40.31	
2003-09-11	39.84		2003-08-20	40.39	
2003-07-28	40.09		2003-06-03	39.92	
2003-05-19	40.47				
2003-04-03	41.30				
Note: Other conditions existed that would affect the measured water level.					
2003-03-10	40.87				
Note: Other conditions existed that would affect the measured water level.					
2003-02-07	40.23		2003-01-09	40.16	
2002-12-06	39.34				
Note: Other conditions existed that would affect the measured water level.					
2002-10-18	38.53		2002-09-10	40.16	
2002-08-20	39.95		2002-07-10	39.30	
2002-06-24	39.13		2002-05-16	37.50	
2002-04-04	40.26		2002-03-08	39.59	
2002-02-11	38.63		2002-01-03	37.67	
2001-12-05	39.12				
2001-10-19	40.93				
Note: Other conditions existed that would affect the measured water level.					
2001-06-28	43.78				
Note: Other conditions existed that would affect the measured water level.					
2001-05-23	43.51				
Note: Other conditions existed that would affect the measured water level.					
2001-04-23	44.21				
Note: Other conditions existed that would affect the measured water level.					
2001-03-23	43.79				
Note: Other conditions existed that would affect the measured water level.					

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2001-02-13	43.69				
Note: Other conditions existed that would affect the measured water level.					
2001-01-12	42.95				
Note: Other conditions existed that would affect the measured water level.					
2000-12-04	42.38		2000-11-20	42.50	
2000-10-30	42.66		2000-09-06	44.69	
2000-08-15	47.30				
Note: Other conditions existed that would affect the measured water level.					
2000-07-28	47.10				
Note: Other conditions existed that would affect the measured water level.					
2000-06-30	46.15				
Note: Other conditions existed that would affect the measured water level.					
2000-05-23	45.55				
Note: Other conditions existed that would affect the measured water level.					
2000-02-23	42.50				
Note: Other conditions existed that would affect the measured water level.					
1999-11-03	42.50				
Note: Other conditions existed that would affect the measured water level.					
1999-10-05	43.20				
Note: Other conditions existed that would affect the measured water level.					
1999-08-25	43.08				
Note: Other conditions existed that would affect the measured water level.					
1999-06-24	43.65				
Note: Other conditions existed that would affect the measured water level.					
1999-05-27	45.05				
Note: Other conditions existed that would affect the measured water level.					
1999-03-17	43.85				
1999-01-15	42.60				
Note: Other conditions existed that would affect the measured water level.					
1998-07-30	46.77				
Note: Other conditions existed that would affect the measured water level.					
1998-06-12	47.32				
Note: Other conditions existed that would affect the measured water level.					
1998-05-15	48.76				
Note: Other conditions existed that would affect the measured water level.					
1998-04-09	48.57				
Note: Other conditions existed that would affect the measured water level.					
1998-03-16	48.15				
Note: Other conditions existed that would affect the measured water level.					
1998-02-27	48.25				
Note: Other conditions existed that would affect the measured water level.					
1998-01-28	48.20				
Note: Other conditions existed that would affect the measured water level.					
1997-12-09	47.50				
Note: Other conditions existed that would affect the measured water level.					
1997-11-21	47.31				
Note: Other conditions existed that would affect the measured water level.					
1997-10-10	47.50				
Note: Other conditions existed that would affect the measured water level.					
1997-09-19	48.05				
Note: Other conditions existed that would affect the measured water level.					
1997-08-19	48.66				
Note: Other conditions existed that would affect the measured water level.					
1997-07-28	49.35				
Note: Other conditions existed that would affect the measured water level.					

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1997-06-09	49.16				
	Note: Other conditions existed that would affect the measured water level.				
1997-04-04	47.33				
	Note: Other conditions existed that would affect the measured water level.				
1997-03-07	46.64				
	Note: Other conditions existed that would affect the measured water level.				
1997-02-18	46.48				
	Note: Other conditions existed that would affect the measured water level.				
1997-01-27	46.14				
	Note: Other conditions existed that would affect the measured water level.				
1996-12-06	47.00				
	Note: Other conditions existed that would affect the measured water level.				
1996-10-21	49.40				
	Note: Other conditions existed that would affect the measured water level.				
1996-08-23	50.33				
	Note: Other conditions existed that would affect the measured water level.				
1996-06-26	53.87				
	Note: Other conditions existed that would affect the measured water level.				
1996-05-20	52.28				
	Note: Other conditions existed that would affect the measured water level.				
1996-04-15	52.60				
	Note: Other conditions existed that would affect the measured water level.				
1996-02-16	51.50				
	Note: Other conditions existed that would affect the measured water level.				
1996-01-30	51.05				
	Note: Other conditions existed that would affect the measured water level.				
1995-12-13	51.75				
	Note: Other conditions existed that would affect the measured water level.				
1995-11-22	52.05				
	Note: Other conditions existed that would affect the measured water level.				
1995-10-04	52.94				
	Note: Other conditions existed that would affect the measured water level.				
1995-08-03	54.95				
	Note: Other conditions existed that would affect the measured water level.				
1995-07-14	55.14				
	Note: Other conditions existed that would affect the measured water level.				
1995-06-16	54.54				
	Note: Other conditions existed that would affect the measured water level.				
1995-05-17	55.25				
	Note: Other conditions existed that would affect the measured water level.				
1995-04-20	55.13				
	Note: Other conditions existed that would affect the measured water level.				
1995-03-13	54.06				
	Note: Other conditions existed that would affect the measured water level.				
1995-02-17	54.40				
	Note: Other conditions existed that would affect the measured water level.				
1994-10-26	53.11				
	Note: Other conditions existed that would affect the measured water level.				
1994-09-13	52.40				
	Note: Other conditions existed that would affect the measured water level.				
1994-07-19	51.55				
	Note: Other conditions existed that would affect the measured water level.				
1994-06-09	50.98				
	Note: Other conditions existed that would affect the measured water level.				
1994-04-28	50.16				
	Note: Other conditions existed that would affect the measured water level.				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-03-24	49.51				
	Note: Other conditions existed that would affect the measured water level.				
1994-02-24	49.21				
	Note: Other conditions existed that would affect the measured water level.				
1994-01-18	48.60				
	Note: Other conditions existed that would affect the measured water level.				
1993-12-20	48.89				
	Note: Other conditions existed that would affect the measured water level.				
1993-11-09	49.28				
	Note: Other conditions existed that would affect the measured water level.				
1993-10-29	49.06				
	Note: Other conditions existed that would affect the measured water level.				
1993-09-27	48.55				
	Note: Other conditions existed that would affect the measured water level.				
1993-08-30	50.39				
	Note: Other conditions existed that would affect the measured water level.				
1993-07-12	46.05				
	Note: Other conditions existed that would affect the measured water level.				
1993-06-11	46.61				
	Note: Other conditions existed that would affect the measured water level.				
1993-04-27	48.65				
	Note: Other conditions existed that would affect the measured water level.				
1993-02-19	47.11				
1993-02-19	47.11				
	Note: Other conditions existed that would affect the measured water level.				
1993-01-25	45.54				
	Note: Other conditions existed that would affect the measured water level.				
1992-12-21	45.96				
	Note: Other conditions existed that would affect the measured water level.				
1992-11-25	46.15				
	Note: Other conditions existed that would affect the measured water level.				
1992-10-13	48.40				
	Note: Other conditions existed that would affect the measured water level.				
1992-09-23	47.93				
	Note: Other conditions existed that would affect the measured water level.				
1992-06-26	47.70				
	Note: Other conditions existed that would affect the measured water level.				
1992-05-14	48.82				
	Note: Other conditions existed that would affect the measured water level.				
1992-04-16	48.87				
	Note: Other conditions existed that would affect the measured water level.				
1992-03-17	48.26				
	Note: Other conditions existed that would affect the measured water level.				
1992-02-24	47.51				
	Note: Other conditions existed that would affect the measured water level.				
1992-01-30	46.36				
	Note: Other conditions existed that would affect the measured water level.				
1991-12-20	46.55				
	Note: Other conditions existed that would affect the measured water level.				
1991-11-22	46.89				
	Note: Other conditions existed that would affect the measured water level.				
1991-09-25	45.72				
	Note: Other conditions existed that would affect the measured water level.				
1991-07-24	45.98				
	Note: Other conditions existed that would affect the measured water level.				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1991-06-19	45.80				
	Note: Other conditions existed that would affect the measured water level.				
1991-05-17	45.05				
	Note: Other conditions existed that would affect the measured water level.				
1991-02-27	41.65				
	Note: Other conditions existed that would affect the measured water level.				
1991-01-30	42.13				
	Note: Other conditions existed that would affect the measured water level.				
1990-11-26	42.14				
	Note: Other conditions existed that would affect the measured water level.				
1990-10-09	42.32				
	Note: Other conditions existed that would affect the measured water level.				
1990-09-12	42.57				
	Note: Other conditions existed that would affect the measured water level.				
1990-07-23	42.70				
	Note: Other conditions existed that would affect the measured water level.				
1990-06-27	41.74				
	Note: Other conditions existed that would affect the measured water level.				
1990-05-17	40.92				
	Note: Other conditions existed that would affect the measured water level.				
1990-04-20	41.51				
	Note: Other conditions existed that would affect the measured water level.				
1990-03-27	40.42				
	Note: Other conditions existed that would affect the measured water level.				
1990-01-29	39.76				
1990-01-02	38.91				
	Note: Other conditions existed that would affect the measured water level.				
1989-12-15	37.66				
	Note: Other conditions existed that would affect the measured water level.				
1989-11-03	35.55				
	Note: Other conditions existed that would affect the measured water level.				
1989-10-03	35.70				
	Note: Other conditions existed that would affect the measured water level.				
1989-09-14	36.96				
	Note: Other conditions existed that would affect the measured water level.				
1989-08-08	39.17				
	Note: Other conditions existed that would affect the measured water level.				
1989-07-13	39.46				
	Note: Other conditions existed that would affect the measured water level.				
1989-06-05	39.45				
	Note: Other conditions existed that would affect the measured water level.				
1989-05-12	40.56				
	Note: Other conditions existed that would affect the measured water level.				
1989-04-07	40.87				
	Note: Other conditions existed that would affect the measured water level.				
1989-03-03	40.12				
	Note: Other conditions existed that would affect the measured water level.				
1989-02-08	40.15				
	Note: Other conditions existed that would affect the measured water level.				
1989-01-05	39.91				
	Note: Other conditions existed that would affect the measured water level.				
1988-12-08	39.71				
	Note: Other conditions existed that would affect the measured water level.				
1988-11-04	39.31				
	Note: Other conditions existed that would affect the measured water level.				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-10-04	38.85				
	Note: Other conditions existed that would affect the measured water level.				
1988-09-01	39.43				
	Note: Other conditions existed that would affect the measured water level.				
1988-08-02	40.89				
	Note: Other conditions existed that would affect the measured water level.				
1988-07-11	40.50				
	Note: Other conditions existed that would affect the measured water level.				
1988-06-06	40.51				
	Note: Other conditions existed that would affect the measured water level.				
1988-05-23	40.01				
	Note: Other conditions existed that would affect the measured water level.				
1988-05-02	40.30				
	Note: Other conditions existed that would affect the measured water level.				
1988-03-24	42.43				
	Note: Other conditions existed that would affect the measured water level.				
1988-01-27	40.55				
	Note: Other conditions existed that would affect the measured water level.				
1987-12-14	40.30				
	Note: Other conditions existed that would affect the measured water level.				
1987-11-02	40.10				
	Note: Other conditions existed that would affect the measured water level.				
1987-09-22	41.22				
	Note: Other conditions existed that would affect the measured water level.				
1987-08-10	40.05		1987-06-30	39.27	
1987-06-30	39.27				
	Note: Other conditions existed that would affect the measured water level.				
1987-05-14	42.70				
	Note: Other conditions existed that would affect the measured water level.				
1987-04-06	42.91				
	Note: Other conditions existed that would affect the measured water level.				
1987-03-02	42.68				
	Note: Other conditions existed that would affect the measured water level.				
1987-01-14	42.25				
	Note: Other conditions existed that would affect the measured water level.				
1986-11-18	40.35				
	Note: Other conditions existed that would affect the measured water level.				
1986-09-29	38.91				
	Note: Other conditions existed that would affect the measured water level.				
1986-07-28	39.00				
	Note: Other conditions existed that would affect the measured water level.				
1986-06-30	38.75				
	Note: Other conditions existed that would affect the measured water level.				
1986-06-30	38.72				
	Note: Other conditions existed that would affect the measured water level.				
1986-05-16	39.53				
	Note: Other conditions existed that would affect the measured water level.				
1986-04-21	42.39				
	Note: Other conditions existed that would affect the measured water level.				
1986-02-26	41.66				
	Note: Other conditions existed that would affect the measured water level.				
1986-01-16	40.71				
	Note: Other conditions existed that would affect the measured water level.				
1985-12-20	40.20				
	Note: Other conditions existed that would affect the measured water level.				

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B9
SW
1/2 - 1 Mile
Lower

FED USGS USGS2018795

Agency cd:	USGS	Site no:	182411066091301
Site name:	GENERAL GASES 2 WELL, BAYAMON, PR		
Latitude:	182411		
Longitude:	0660913	Dec lat:	18.40105944
Dec lon:	-66.1532222	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	19.68	Altitude method:	M
Altitude accuracy:	3	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	1937
Date inventoried:	19610420	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	150.0	Hole depth:	150.0
Source of depth data:	owner	Project number:	PR454300200
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

B10
SW
1/2 - 1 Mile
Lower

FED USGS USGS2018794

Agency cd:	USGS	Site no:	182411066091301
Site name:	GENERAL GASES 1 WELL, BAYAMON, PR		
Latitude:	182411		
Longitude:	0660913	Dec lat:	18.40105944
Dec lon:	-66.1532222	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	19.68	Altitude method:	M
Altitude accuracy:	3	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	1920
Date inventoried:	19610420	Mean greenwich time offset:	AST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	150.0	Hole depth:	150.0
Source of depth data:	owner	Project number:	PR454300200
Real time data flag:	Not Reported		
Daily flow data begin date:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data end date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data begin date:	Not Reported		
Water quality data end date:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

B11
SW
1/2 - 1 Mile
Lower

FED USGS USGS2018796

Agency cd:	USGS	Site no:	182411066091302
Site name:	GENERAL GASES 3 WELL, BAYAMON, PR		
Latitude:	182411		
Longitude:	0660913	Dec lat:	18.40105944
Dec lon:	-66.1532222	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	19.68	Altitude method:	M
Altitude accuracy:	3	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	1945
Date inventoried:	19610420	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	350.0
Source of depth data:	owner	Project number:	PR454300200
Real time data flag:	Not Reported		
Daily flow data begin date:	Not Reported		
Daily flow data end date:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data end date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data begin date:	Not Reported		
Water quality data end date:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

12
NNE
1/2 - 1 Mile
Lower

FED USGS USGS2018478

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	182510066083400
Site name:	INTERSTATE ENGINEERING CORP. WELL, BAYAMON, PR		
Latitude:	182510		
Longitude:	0660834	Dec lat:	18.4174475
Dec lon:	-66.14238889	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	16.40	Altitude method:	M
Altitude accuracy:	2.5	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	1962
Date inventoried:	19620405	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	150.0	Hole depth:	150.0
Source of depth data:	driller	Project number:	PR454300200
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:	1987-06-03	Ground water data end date:	1987-06-03
Ground water data count:	2		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel		Date	Feet below Surface	Feet to Sealevel
1987-06-03	0.58					
1987-06-03	0.58					

Note: Other conditions existed that would affect the measured water level.

**C13
ENE
1/2 - 1 Mile
Higher**

FED USGS USGS2018585

Agency cd:	USGS	Site no:	182452066081000
Site name:	ESCUELA FORT BUCHANAN 1 WELL, BAYAMON, PR		
Latitude:	182452		
Longitude:	0660810	Dec lat:	18.41244778
Dec lon:	-66.1357222	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	32.81	Altitude method:	M
Altitude accuracy:	3	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	19850708	Mean greenwich time offset:	AST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	PR454300200
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

C14
ENE
1/2 - 1 Mile
Higher

FED USGS USGS2018580

Agency cd:	USGS	Site no:	182451066080800
Site name:	ESCUELA FORT BUCHANAN 2 WELL, BAYAMON, PR		
Latitude:	182451		
Longitude:	0660808	Dec lat:	18.41217
Dec lon:	-66.13516667	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	32.81	Altitude method:	M
Altitude accuracy:	3	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	19850708	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	PR454300200
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

C15
ENE
1/2 - 1 Mile
Higher

FED USGS USGS2018602

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	182455066080700
Site name:	FORT BUCHANAN 7 WELL, BAYAMON, PR		
Latitude:	182455		
Longitude:	0660807	Dec lat:	18.4132811
Dec lon:	-66.13488889	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	32.81	Altitude method:	M
Altitude accuracy:	3	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19410505
Date inventoried:	19460102	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	200.0	Hole depth:	200.0
Source of depth data:	driller	Project number:	PR454300200
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported		
Daily flow data begin date:	Not Reported		
Daily flow data count:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data end date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data end date:	Not Reported		
Water quality data count:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data end date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

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

FED USGS USGS2018776

Agency cd:	USGS	Site no:	182403066093200
Site name:	MANOLO SAN MIGUEL WELL, BAYAMON, PR		
Latitude:	182403		
Longitude:	0660932	Dec lat:	18.39883722
Dec lon:	-66.15850028	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	25.0	Altitude method:	M
Altitude accuracy:	3	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	19610424	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	200.0
Source of depth data:	owner	Project number:	PR454300200
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported		
Daily flow data begin date:	Not Reported		
Daily flow data count:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data end date:	Not Reported		
Peak flow data count:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: Not Reported	Water quality data begin date: Not Reported
Water quality data end date: Not Reported	Water quality data count: Not Reported
Ground water data begin date: Not Reported	Ground water data end date: Not Reported
Ground water data count: Not Reported	

Ground-water levels, Number of Measurements: 0

17
North
1/2 - 1 Mile
Lower

FED USGS USGS2018537

Agency cd: USGS	Site no: 182525066084400
Site name: ATLANTIC CONCRETE WELL, BAYAMON, PR	
Latitude: 182525	
Longitude: 0660844	Dec lat: 18.42161389
Dec lon: -66.14516667	Coor meth: M
Coor accr: S	Latlong datum: NAD27
Dec latlong datum: NAD83	District: 72
State: 72	County: 021
Country: US	Land net: Not Reported
Location map: BAYAMON	Map scale: 20000
Altitude: 16.40	Altitude method: M
Altitude accuracy: 1	Altitude datum: NGVD29
Hydrologic: Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.	
Topographic: Not Reported	
Site type: Ground-water other than Spring	Date construction: 196408
Date inventoried: 19640818	Mean greenwich time offset: AST
Local standard time flag: N	
Type of ground water site: Single well, other than collector or Ranney type	
Aquifer Type: Not Reported	
Aquifer: Not Reported	
Well depth: 125.0	Hole depth: 125.0
Source of depth data: other reported	Project number: PR454300200
Real time data flag: Not Reported	Daily flow data begin date: Not Reported
Daily flow data end date: Not Reported	Daily flow data count: Not Reported
Peak flow data begin date: Not Reported	Peak flow data end date: Not Reported
Peak flow data count: Not Reported	Water quality data begin date: Not Reported
Water quality data end date: Not Reported	Water quality data count: Not Reported
Ground water data begin date: Not Reported	Ground water data end date: Not Reported
Ground water data count: Not Reported	

Ground-water levels, Number of Measurements: 0

18
SE
1/2 - 1 Mile
Higher

FED USGS USGS2018764

Agency cd: USGS	Site no: 182358066082100
Site name: VAQUERIA LA CARIDAD WELL, BAYAMON, PR	
Latitude: 182358	
Longitude: 0660821	Dec lat: 18.3974486
Dec lon: -66.13877778	Coor meth: M
Coor accr: S	Latlong datum: NAD27
Dec latlong datum: NAD83	District: 72
State: 72	County: 021
Country: US	Land net: Not Reported
Location map: BAYAMON	Map scale: 20000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	32.81	Altitude method:	M
Altitude accuracy:	3	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	1958
Date inventoried:	19580506	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	300.0	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)	Project number:	PR454300200
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**19
South
1/2 - 1 Mile
Higher**

FED USGS USGS2018931

Agency cd:	USGS	Site no:	182347066084600
Site name:	LOS MILLONES WELL, BAYAMON, PR		
Latitude:	182347		
Longitude:	0660846	Dec lat:	18.39439306
Dec lon:	-66.1457222	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	23.0	Altitude method:	M
Altitude accuracy:	3	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	19840501	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported	Project number:	PR454300200
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

D20
SW
1/2 - 1 Mile
Lower

FRDS PWS PR0005547

PWS ID: PR0005547 PWS Status: Active
 Date Initiated: 7706 Date Deactivated: Not Reported
 PWS Name: DAJAOS
 CARR.812 KM. 3.6
 BAYAM N, PR 00956

Addressee / Facility: System Owner/Responsible Party
 DAJAOS
 P.O. BOX 7066
 BO. OBRERO STATION
 SANTURCE, PR 00916

Facility Latitude: 18 24 00 Facility Longitude: 066 09 30
 Facility Latitude: 18 17 49 Facility Longitude: 066 11 01
 Facility Latitude: 18 18 03 Facility Longitude: 066 11 09
 City Served: BAYAM
 City Served: BAYAMON
 Treatment Class: Treated Population: 00004456

PWS currently has or had major violation(s) or enforcement: Yes

VIOLATIONS INFORMATION:

Violation ID:	Not Reported	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	Not Reported	Vio. end Date:	Not Reported	Vio. Period:	Not Reported
Num required Samples:	Not Reported	Number of Samples Taken:	Not Reported		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Not Reported				
Contaminant:	Not Reported				
Vio. Awareness Date:	Not Reported				

Violation ID:	Not Reported	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	Not Reported	Vio. end Date:	Not Reported	Vio. Period:	Not Reported
Num required Samples:	Not Reported	Number of Samples Taken:	Not Reported		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Not Reported				
Contaminant:	Not Reported				
Vio. Awareness Date:	Not Reported				

ENFORCEMENT INFORMATION:

System Name:	DAJAOS		
Violation Type:	Initial Tap Sampling for Pb and Cu		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1992-07-01 - 2015-12-31	Analytical Value:	0000000.000000000
Violation ID:	9316640	Enforcement ID:	93E0001
Enforcement Date:	1992-12-24	Enf. Action:	Fed PAO Issued

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

ENFORCEMENT INFORMATION:

System Name:	DAJAOS	Analytical Value:	00000000.00
Violation Type:	MCL, Monthly (TCR)	Enforcement ID:	9525092
Contaminant:	COLIFORM (TCR)	Enf. Action:	State Public Notif Received
Compliance Period:	1995-09-01 - 1995-09-30		
Violation ID:	9524982		
Enforcement Date:	1995-10-25		
System Name:	DAJAOS	Analytical Value:	00000000.00
Violation Type:	MCL, Monthly (TCR)	Enforcement ID:	9626068
Contaminant:	COLIFORM (TCR)	Enf. Action:	State Public Notif Received
Compliance Period:	1995-10-01 - 1995-10-31		
Violation ID:	9626063		
Enforcement Date:	1995-11-29		
System Name:	DAJAOS	Analytical Value:	0000000.000000000
Violation Type:	Failure to Filter (SWTR)	Enforcement ID:	93E00001
Contaminant:	SWTR	Enf. Action:	Fed PAO Issued
Compliance Period:	1992-01-01 - 1999-12-31		
Violation ID:	97099999		
Enforcement Date:	1992-12-24		
System Name:	DAJAOS	Analytical Value:	0000000.000000000
Violation Type:	Failure to Filter (SWTR)	Enforcement ID:	93E00002
Contaminant:	SWTR	Enf. Action:	Fed FAO Issued
Compliance Period:	1992-01-01 - 1999-12-31		
Violation ID:	97099999		
Enforcement Date:	1993-07-20		
System Name:	DAJAOS	Analytical Value:	0000000.000000000
Violation Type:	Failure to Filter (SWTR)	Enforcement ID:	95E00001
Contaminant:	SWTR	Enf. Action:	Fed CFP Issued
Compliance Period:	1992-01-01 - 1999-12-31		
Violation ID:	97099999		
Enforcement Date:	1994-12-23		
System Name:	DAJAOS	Analytical Value:	0000000.000000000
Violation Type:	Failure to Filter (SWTR)	Enforcement ID:	98099999
Contaminant:	SWTR	Enf. Action:	State Compliance Achieved
Compliance Period:	1992-01-01 - 1999-12-31		
Violation ID:	97099999		
Enforcement Date:	1996-03-31		
System Name:	DAJAOS	Analytical Value:	0000000.000000000
Violation Type:	Failure to Filter (SWTR)	Enforcement ID:	Not Reported
Contaminant:	SWTR	Enf. Action:	Not Reported
Compliance Period:	1992-01-01 - 1999-12-31		
Violation ID:	97099999		
Enforcement Date:	Not Reported		
System Name:	DAJAOS	Analytical Value:	0000000.000000000
Violation Type:	Failure to Filter (SWTR)	Enforcement ID:	93E0001
Contaminant:	SWTR	Enf. Action:	Fed PAO Issued
Compliance Period:	1992-01-01 - 1999-12-31		
Violation ID:	9799999		
Enforcement Date:	1992-12-24		
System Name:	DAJAOS	Analytical Value:	0000000.000000000
Violation Type:	Failure to Filter (SWTR)	Enforcement ID:	93E0002
Contaminant:	SWTR	Enf. Action:	Fed FAO Issued
Compliance Period:	1992-01-01 - 1999-12-31		
Violation ID:	9799999		
Enforcement Date:	1993-07-20		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

ENFORCEMENT INFORMATION:

System Name:	DAJAOS	Analytical Value:	0000000.000000000
Violation Type:	Failure to Filter (SWTR)	Enforcement ID:	95E0001
Contaminant:	SWTR	Enf. Action:	Fed CFP Issued
Compliance Period:	1992-01-01 - 1999-12-31		
Violation ID:	9799999		
Enforcement Date:	1994-12-23		

System Name:	DAJAOS	Analytical Value:	0000000.000000000
Violation Type:	Failure to Filter (SWTR)	Enforcement ID:	9899999
Contaminant:	SWTR	Enf. Action:	State Compliance Achieved
Compliance Period:	1992-01-01 - 1999-12-31		
Violation ID:	9799999		
Enforcement Date:	1996-03-31		

**21
ENE
1/2 - 1 Mile
Higher**

FED USGS USGS2018607

Agency cd:	USGS	Site no:	182457066080500
Site name:	GULF 1 WELL, BAYAMON, PR		
Latitude:	182457		
Longitude:	0660805	Dec lat:	18.41383667
Dec lon:	-66.1343333	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	32.81	Altitude method:	M
Altitude accuracy:	3	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	19860626	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported		
Source of depth data:	Not Reported		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported		
Daily flow data begin date:	Not Reported		
Daily flow data count:	Not Reported		
Peak flow data begin date:	Not Reported		
Peak flow data end date:	Not Reported		
Peak flow data count:	Not Reported		
Water quality data begin date:	Not Reported		
Water quality data end date:	Not Reported		
Water quality data count:	Not Reported		
Ground water data begin date:	Not Reported		
Ground water data end date:	Not Reported		
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**22
NE
1/2 - 1 Mile
Lower**

FED USGS USGS2018644

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	182507066081100
Site name:	CARIBBEAN REFINERY WELL, BAYAMON, PR		
Latitude:	182507		
Longitude:	0660811	Dec lat:	18.41661417
Dec lon:	-66.136	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	16.40	Altitude method:	M
Altitude accuracy:	2.5	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	196104
Date inventoried:	19610426	Mean greenwich time offset:	AST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	110.0	Hole depth:	110.0
Source of depth data:	owner	Project number:	PR454300200
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:	1961-04-26	Ground water data end date:	1961-04-26
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel

1961-04-26	9.74	

Note: The site was being pumped.

23
ENE
1/2 - 1 Mile
Higher

FED USGS USGS2018579

Agency cd:	USGS	Site no:	182451066080200
Site name:	PIEZOMETER FORT BUCHANAN 1, BAYAMON, PR		
Latitude:	182451		
Longitude:	0660802	Dec lat:	18.41217
Dec lon:	-66.1334997	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	72
State:	72	County:	021
Country:	US	Land net:	Not Reported
Location map:	BAYAMON	Map scale:	20000
Altitude:	45.9	Altitude method:	M
Altitude accuracy:	8.2	Altitude datum:	NGVD29
Hydrologic:	Eastern Puerto Rico. Puerto Rico. Area = 1067 sq.mi.		
Topographic:	Alluvial fan		
Site type:	Ground-water other than Spring	Date construction:	19940713
Date inventoried:	19940718	Mean greenwich time offset:	AST

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1999-11-02	37.91				
1999-08-25	34.33				
Note: Other conditions existed that would affect the measured water level.					
1999-06-23	30.94				
1999-05-11	30.96				
Note: Other conditions existed that would affect the measured water level.					
1998-11-18	33.87				
1998-11-18	33.58				
Note: Other conditions existed that would affect the measured water level.					
1998-09-11	31.30		1998-09-11	31.27	
1998-09-10	31.37				
Note: Other conditions existed that would affect the measured water level.					
1997-12-22	34.26				
Note: Other conditions existed that would affect the measured water level.					
1997-09-19	31.76				
Note: Other conditions existed that would affect the measured water level.					
1997-09-12	31.81				
Note: Other conditions existed that would affect the measured water level.					
1994-07-14	49.67				

**GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON**

AREA RADON INFORMATION

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^R 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.

OTHER STATE DATABASE INFORMATION

RADON

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

STREET AND ADDRESS INFORMATION

© 2006 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

Fax To: CH2M Hill
Contact: Mary Beth Jacques
Fax : 404-229-9152
Date: 07/19/2006

Fax From: Bart Sobieralski
EDR
Phone: 1-800-352-0050

EDR PUR-IQ[®] Report

"the intelligent way to conduct historical research"

for
1LT Paul Lavergne USARC, PR
RD 167, KM 5.0, HWY 8
BAYAMON, PR 00961
Lat./Long. 18.408135 / 66.147939
EDR Inquiry # 01714247.8r

The EDR PUR-IQ report facilitates historical research planning required to complete the Phase I ESA process. The report identifies the *likelihood* of prior use coverage by searching proprietary EDR-Prior Use Reports[®] comprising nationwide information on: city directories, fire insurance maps, aerial photographs, historical topographic maps, flood maps and National Wetland Inventory maps.

Potential for EDR Historical (Prior Use) Coverage - Coverage in the following historical information sources may be used as a guide to develop your historical research strategy:

- 1. City Directory:** Coverage may exist for portions of Bayamon, PR.
- 2. Fire Insurance Map:** When you order online any EDR Package or the EDR Radius Map with EDR Sanborn Map Search/Print, you receive site specific Sanborn Map coverage information at no charge.
- 3. Aerial Photograph:** Aerial photography coverage may exist for portions of Bayamon. Please contact your EDR Account Executive for information about USGS photos available through EDR.
- 4. Topographic Map:** The USGS 7.5 min. quad topo sheet(s) associated with this site:
Historical: Coverage exists for BAYAMON County
Current: Target Property: N/A

EDR's network of professional researchers, located throughout the United States, accesses the most extensive national collections of city directory, fire insurance maps, aerial photographs and historical topographic map resources available for BAYAMON, PR. These collections may be located in multiple libraries throughout the country. To ensure maximum coverage, EDR will often assign researchers at these multiple locations on your behalf. Please call or fax your EDR representative to authorize a search.



EDR™ Environmental
Data Resources Inc

EDR - HISTORICAL SOURCE(S) ORDER FORM

**CH2M Hill
Mary Beth Jacques
Account # 1592163**

**1LT Paul Lavergne USARC, PR
RD 167, KM 5.0, HWY 8
BAYAMON, PR 00961
BAYAMON County
Lat./Long. 18.408135 / 66.147939
EDR Inquiry # 01714247.8r**

Should you wish to change or add to your order, fax this form to your EDR account executive:

**Bart Sobieralski
Ph: 1-800-352-0050 Fax: 1-800-231-6802**

Reports

- EDR Sanborn Map® Search/Print
- EDR Fire Insurance Map Abstract
- EDR Multi-Tenant Retail Facility® Report
- EDR City Directory Abstract
- EDR Aerial Photo Decade Package
- USGS Aerial 5 Package
- USGS Aerial 3 Package
- EDR Historical Topographic Maps
- Paper Current USGS Topo (7.5 min.)
- Environmental Lien Search
- Chain of Title Search
- NJ MacRaes Industrial Directory Report
- EDR Telephone Interview

Shipping:

- Email
- Express, Next Day Delivery
- Express, Second Day Delivery
- Express, Next day Delivery
- Express, Second Day Delivery
- U.S. Mail

Customer Account
Customer Account

RUSH SERVICE IS AVAILABLE

Acct # _____
Acct # _____

Thank you



"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Mary Beth Jacques
CH2M Hill
1569 Stampmill Way
Lawrenceville, GA 30043

Order Date: 7/12/2006 **Completion Date:** 7/19/2006
Inquiry #: 1714247.9s
P.O. #: NA
Site Name: 1LT Paul Lavergne USARC PR

Customer Project: NA
1592163BAS 770-338-1589

Address: RD 167 KM 5.0 HWY 8
City/State: BAYAMON, PR 00961
Cross Streets:

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

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 OF 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. Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.