



**U.S. Army BRAC 2005
Environmental Condition of Property Report
Red River Army Depot
Texarkana, TX**

**Final
30 November 2006**



FINAL
ENVIRONMENTAL CONDITION OF PROPERTY REPORT
RED RIVER ARMY DEPOT
30 November 2006

Prepared for:



United States Army
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Red River Army Depot

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ACRONYMS AND ABBREVIATIONS

The following list of acronyms, abbreviations, and definitions is intended to be comprehensive and are contained in this report.

List of Acronyms

ACM	Asbestos-Containing Material
AIRS	Aerometric Information Retrieval System
AR	Army Regulation
Army	United States Army
asl	above sea level
AST(s)	Aboveground Storage Tank(s)
ASTD	Aboveground Storage Tank Database
ASTM	American Society for Testing and Materials
AUL	Sites with Controls
BCHD AB	Bowie County Health Department Assistant Bioterrorism
BCHD D	Bowie County Health Department Director
BEC	BRAC Environmental Coordinator
bls	below land surface
BRAC	Base Realignment and Closure
Brownfields	Brownfields Site Assessments
BRRM	Base Redevelopment and Realignment Manual
CA(s)	Chemical Agent(s)
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP	CERCLIS – No Further Remedial Action Planned
CFR	Code of Federal Regulations
CG	Carbonyl Dichloride (or Phosgene)
CK	Cyanogen Chloride
CLI	Closed Landfill Inventory
cm/sec	centimeters per second
Coal Gas	Coal Gas Sites
CONSENT	Superfund Consent Decrees



ACRONYMS AND ABBREVIATIONS

CORRACTS	Corrective Action Report
CRM	Cultural Resources Manager
CWM	Chemical Warfare Material
DCE	Dichloroethylene
DMM	Discarded Military Munitions
DOD	Department of Defense
DRMO	Defense Reutilization and Marketing Office
DRYCLEANERS	Drycleaners Registration Database Listing
EBS	Environmental Baseline Survey
ECP	Environmental Condition of Property
ED AQUIF	Edwards Aquifer Permits
EDR	Environmental Data Resources
EEM	Engineering Environmental Management, Inc.
ENF	Notice of Violations Listing
ERI	Environmental Research, Inc.
ERNS	Emergency Response Notification System
°F	Degrees Fahrenheit
FEMA	Federal Emergency Management Agency
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FINDS	Facility Index System/Facility Registry System
FS	Feasibility Study
FTTS INSP	FIFRA/TSCA Tracking System
FUDS	Formerly Used Defense Sites
FY	Fiscal Year
Geo-Marine	Geo-Marine, Inc.
GO	General Officer
GSA	General Services Administration
GSI	Groundwater Services, Inc.
HCN	Hydrogen Cyanide
HMIRS	Hazardous Material Licensing Tracking System
HR	Hazardous Substance Release or Disposal



ACRONYMS AND ABBREVIATIONS

HRR	Historical Records Review
IDW	Investigative Derived Waste
IMA	Installation Management Agency
INDIAN RESERV	Indian Reservations
INDIAN UST	Underground Storage Tank on Indian Land
INRMP	Integrated Natural Resources Management Plan
IOP	Innocent Owner/Operator Program
IRP	Installation Restoration Program
IWTP	Industrial Wastewater Treatment Plant
LBP	Lead-Based Paint
LPST	Leaking Petroleum Storage Tank
LQG	Large Quantity Generator
LSAAP	Lone Star Army Ammunition Plant
LTANKS	Leaking Petroleum Storage Tank Database
LTM	Long-Term Monitoring
LUC	Land Use Control
MACOM	Major Command (Army)
MC	Munitions Constituents
MEC	Munitions and Explosives of Concern
mg/kg	milligrams per kilogram
MINES	Mines Master Index File
MLRS	Multiple Launch Rocket System
MLTS	Material Licensing Tracking System
MMRP	Military Munitions Response Program
MOA	Memorandum of Agreement
MPPEH	Materials Potentially Presenting an Explosive Hazard
Nakata	Nakata Planning Group, Inc.
NEPA	National Environmental Policy Act
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NPL Liens	Federal Superfund Liens



ACRONYMS AND ABBREVIATIONS

NRHP	National Register of Historic Places
ODI	Open Dump Inventory
OTC	Ordnance Training Center
OUTC	Ordnance Unit Training Center
PA	Preliminary Assessment
PADS	PCB Activity Database System
Parsons	Parsons Engineering Science, Inc.
PCB(s)	Polychlorinated Biphenyl(s)
Pic	Picture
PMP	Pest Management Plan
PMZ	Plume Management Zone
PR	Petroleum Substance Release or Disposal
RAATS	RCRA Administrative Action Tracking System
RAC	Risk Assessment Code
RCRA	Resource Conservation and Recovery Act
RDX	Cyclotrimethylenetrinitramine
RI	Remedial Investigation
ROD	Record of Decision
RRAD	Red River Army Depot
RRAD BEC	Red River Army Depot BRAC Environmental Coordinator
RRAD CPM	Red River Army Depot Cleanup Program Manager
RRAD EE	Red River Army Depot Environmental Engineer
RRAD FC	Red River Army Depot Fire Chief
RRAD FLW	Red River Army Depot Forestry Land and Wildlife
RRAD PMC	Red River Army Depot Pest Management Coordinator
RRAD SA	Red River Army Depot Systems Analyst
RRAD SFLW	Red River Army Depot Supervisor, Forestry Land and Wildlife
RROD	Red River Ordnance Depot
RRRA	Red River Redevelopment Authority
sf	square feet
SHPO	State Historic Preservation Office



ACRONYMS AND ABBREVIATIONS

SI	Site Investigation
SMC	Senior Mission Commander
SSTS	Section 7 Tracking System
TCE	Trichloroethylene
TCEQ	Texas Commission on Environmental Quality
Tetra Tech	Tetra Tech EM, Inc.
TNT	Trinitrotoluene
TPDES	Texas Pollutant Discharge Elimination System
TPWD	Texas Parks and Wildlife Department
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substance Control Act
TSDF	Treatment, Storage, and Disposal Facility
TX SPILLS	Texas Spills
TX VCP	Texas Voluntary Cleanup Program
UMTRA	Uranium Mill Tailings Sites
URS GM	URS Group, Inc. Contractor General Manager
US BROWNFIELDS	A Listing of Brownfields Sites
US ENG CONTROLS	Engineering Controls Sites List
US INST CONTROL	Sites with Institutional Controls
USACE	United States Army Corps of Engineers
USACE RRAD PM	United States Army Corps of Engineers Red River Army Depot Project Manager
USACHPPM	United States Army Center for Health Promotion and Preventative Medicine
USAEC	United States Army Environmental Center
USATCES	United States Army Technical Center for Explosives Safety
USATHAMA	United States Army Toxic and Hazardous Materials Agency
U.S.C.	United States Code
USCB	United States Census Bureau
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geologic Survey



ACRONYMS AND ABBREVIATIONS

USHQDA	United States Headquarters Department of the Army
USNRC	United States Nuclear Regulatory Commission
UST(s)	Underground Storage Tank(s)
USWS	United States Weather Service
UXO	Unexploded Ordnance
VOC(s)	Volatile Organic Compound(s)
VSI	Visual Site Inspection
WASTEMGT	Commercial Hazardous and Solid Waste Management Facilities
WEP	West Excess Property
WWII	World War II
X	Explosive Hazard/MEC (which includes DMM, UXO, and MC)



DEFINITIONS

List of Definitions

Base Closure Law	The provisions of Title II of the Defense Authorization Amendments and Base Closure and Realignment Act (Pub. L. 100-526, 102 Stat. 2623, 10 United States Code (U.S.C.) § 2687 note), or the Defense Base Closure and Realignment Act of 1990 (Pub. L. 101-510, Part A of Title XXIX of 104 Stat. 1808, 10 U.S.C § 2687 note).
BRAC Environmental Coordinator (BEC)	An employee assigned to provide work as the lead Base Realignment and Closure (BRAC) environmental coordinator for a wide variety of technical situations and activity operational requirements, directing actions with regard to schedules, priorities, methods, materials, and equipment. The role of the BEC is to provide principle oversight for the Activity Base Commander, Lead Organization, and BRAC Division (D) regarding all BRAC related environmental programs for the installation.
Closure	All missions of the installation have ceased or have been relocated. All personnel positions (military, civilian and contractor) have either been eliminated or relocated, except for personnel required for caretaking, conducting any on-going environmental cleanup, and disposal of the base, or personnel remaining in authorized enclaves. In the context of this document, this may be referred to as “full closure.”
Chemical Warfare Materiel (CWM)	Items generally configured as a munition containing a chemical compound that is intended to kill, seriously injure, or incapacitate a person through its physiological effects. CWM include V- and G-series nerve agents or H-series (mustard) and L-series (lewisite) blister agents in other-than-munition configurations; and certain industrial chemicals (e.g., hydrogen cyanide (HCN)), cyanogen chloride (CK), or carbonyl dichloride (called phosgene or CG) configured as a military munition. Due to their hazards, prevalence, and military-unique application, chemical agent identification sets are also considered CWM. CWM does not include: riot control devices; chemical defoliants and herbicides; industrial chemicals (e.g., HCN, CK, or CG) not configured as a munition; smoke and other obscuration producing items; flame and incendiary producing items; or soil, water, debris or other media contaminated with low concentrations of chemical agents (CAs) where no CA hazards exist.
Discarded Military Munitions (DMM)	Military munitions that have been abandoned without proper disposal or removed from storage in a military magazine or other storage area for the purpose of disposal. The term does not include unexploded ordnance, military munitions that are being held for future use or



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planned disposal, or military munitions that have been properly disposed of, consistent with applicable environmental laws and regulations (10 U.S.C. 2710(e)(2)).

Disposal Per Army Regulation (AR) 405-45, any authorized method of permanently divesting the United States Army (Army) of control of and responsibility for real estate and real property.

Environmental Baseline Survey (EBS) A process by which a characterization of the environmental condition of a facility or property is conducted. An EBS is required by the Army for the transfer or acquisition of real property and identifies potential cleanup requirements and liabilities. See definition for Environmental Condition of Property (ECP).

Environmental Condition of Property A management approach for providing efficient and effective development of a comprehensive environmental condition/liability characterization for a facility or property. The ECP process applies industry best practices and standards; provides effective oversight and quality assurance; and unifies the EBS and the munitions and explosives of concern (MEC) Archives Search Report steps taken in prior BRAC rounds into a unified effort. The ECP is based on the Initial Site Investigation project approved by the Business Initiative Council. The ECP Report meets Department of Defense (DOD) ECP Report requirement.

Environmental Professional United States Environmental Protection Agency (USEPA) All Appropriate Inquiry Final Ruling (40 Code of Federal Regulations (CFR) Part 312) states the definition of an Environmental Professional establishes a balance between the merits of setting a high standard of excellence for the conduct of all appropriate inquiries through the establishment of stringent qualifications for environmental professionals and the need to ensure that experienced and highly competent individuals currently conducting all appropriate inquiries are not displaced. In summary, the definition of environmental professional included in the final rule includes individuals who possess the following qualifications:

- Hold a current Professional Engineer's or Professional Geologist's license or registration from a state, tribe, or U.S. territory and have the equivalent of three (3) years of full-time relevant experience; or
- Be licensed or certified by the federal government, a state, tribe, or U.S. territory to perform environmental inquiries as defined in Sec. 312.21 and have the equivalent of three (3) years of full-time relevant experience; or



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- Have a Baccalaureate or higher degree from an accredited institution of higher education in science or engineering and the equivalent of five (5) years of full-time relevant experience; or
- Have the equivalent of ten (10) years of full-time relevant experience.

The definition of “relevant experience” is “participation in the performance of environmental site assessments that may include environmental analyses, investigations, and remediation which involve the understanding of surface and subsurface environmental conditions and the processes used to evaluate these conditions and for which professional judgment was used to develop opinions regarding conditions indicative of releases or threatened releases to the subject property.” The final rule retains the proposed requirement that environmental professionals remain current in their field by participating in continuing education or other activities and be able to demonstrate such efforts.

Excess Real Property Per AR 405-45, any real property under the control of any Federal agency that the head of the agency determines is not required for agency needs and discharge of the responsibilities of the agency or the installation where the property is located. The excess status is assigned to the real property once a formal report of excess has been processed. Real property that has been determined excess to the Department of the Army must be screened with other DOD elements before it is excess to DOD.

Garrison Commander Per General Order 4, 22 August 2002, Garrison commanders, on behalf of the regions and the Installation Management Agency (IMA), will have a responsibility to provide a standard level of base support to installation customers listed on the Army Stationing and Installation Plan. The Garrison commander is responsible to ensure that training support and training enabler functions and activities are responsive to the needs of the senior mission commander on the installation in the execution of the senior mission commander’s duties.

Installation Per AR 405-45, an aggregation of contiguous or near contiguous, common mission-supporting real property holdings under the jurisdiction of or possession controlled by the Department of the Army or by a State, commonwealth, territory, or the District of Columbia, and at which an Army unit or activity (Active, Reserve, or Army National Guard) is assigned. An installation is a single site or a grouping of two or more sites for the purposes of real property inventory control. The real property accountability officer is at the installation level.



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Installation Commander	Per AR 600-20, the installation commander is normally the senior commander on the installation. In addition to mission functions, the installation commander has overall responsibility for all real estate, facilities, base support operations, and activities on the installation.
Lead Organization	Per the BRAC 2005 Implementation Plan Guidance, the Army organization which will have the lead responsibility for preparation of an installation Implementation Plan. This will generally be the Army organization which has operational control of the installation identified in the BRAC recommendations.
Local Redevelopment Authority	Any authority or instrumentality established by State or local government and recognized by the Secretary of Defense, through the Office of Economic Adjustment, as the entity responsible for developing the redevelopment plan with respect to the installation, or for directing implementation of the plan.
Material Potentially Presenting an Explosive Hazard (MPPEH)	Material potentially containing explosives or munitions (e.g., munitions containers and packaging material; munitions debris remaining after munitions use, demilitarization, or disposal; and range-related debris); or material potentially containing a high enough concentration of explosives such that the material presents an explosive hazard (e.g., equipment, drainage systems, holding tanks, piping, or ventilation ducts that were associated with munitions production, demilitarization or disposal operations). Excluded from MPPEH are munitions within DOD's established munitions management system and other hazardous items that may present explosion hazards (e.g., gasoline cans, compressed gas cylinders) that are not munitions and are not intended for use as munitions.
Military Installation	Per Section 2910 of Title XXIX, Defense Base Closure and Realignment Act of 1990, as amended, the term "military installation" means a base, camp, post, station, yard, center, homeport facility for any ship, or other activity under the jurisdiction of the DOD, including any leased facility. This term does not include any facility used primarily for civil works, rivers and harbors projects, flood control, or other projects not under the primary jurisdiction or control of the DOD.
Munitions and Explosives of Concern	MEC distinguishes specific categories of military munitions that may pose unique explosives safety risks, including unexploded ordnance (UXO), as defined in 10 U.S.C. 2710(e)(9); DMM, as defined in 10 U.S.C. 2710(e)(2); and munitions constituents (MC) (e.g., TNT, RDX) present in high enough concentration to pose an explosive hazard.



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Munitions Constituents	Any materials originating from UXO, DMM, or other military munitions, including explosive and nonexplosive materials, and emission, degradation, or breakdown elements of such ordnance or munitions (10 U.S.C 2710(e)(4)). MC may be subject to other statutory authorities, including but not limited to Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) (42 U.S.C. 9601 et seq.) and Resource Conservation and Recovery Act (42 U.S.C. 6901 et seq.).
Military Munitions	Military munitions means all ammunition products and components produced for or used by the armed forces for national defense and security, including ammunition products or components under the control of the DOD, the Coast Guard, the Department of Energy, and the National Guard. The term includes confined gaseous, liquid, and solid propellants; explosives, pyrotechnics, chemical and riot control agents, smokes, and incendiaries, including bulk explosives, and chemical warfare agents; chemical munitions, rockets, guided and ballistic missiles, bombs, warheads, mortar rounds, artillery ammunition, small arms ammunition, grenades, mines, torpedoes, depth charges, cluster munitions and dispensers, demolition charges; and devices and components thereof. The term does not include wholly inert items; improvised explosive devices; and nuclear weapons, nuclear devices, and nuclear components, other than non-nuclear components of nuclear devices that are managed under the nuclear weapons program of the Department of Energy after all required sanitization operations under the Atomic Energy Act of 1954 (42 U.S.C. 2011 et seq.) have been completed (10 U.S.C. 101(e)(4)(A) through (C)).
Personal Property	According to 41 CFR 102-36.40, personal property is defined as: “Any property except real property. The term excludes records of the Federal Government, and naval vessels of the following categories: battleships, cruisers, aircraft carriers, destroyers, and submarines.” “Related personal property” means any personal property that is an integral part of real property. It is: Related to, designated for, or specifically adapted to the functional capacity of the real property and removal of this personal property would significantly diminish the economic value of the real property, or Determined by the Administrator of General Services to be related to the real property.
Real Property	AR 405-90: Real property consists of lands and improvements to land, buildings, and structures, including improvements and additions, and utilities. It includes equipment affixed and built into the facility as an integral part of the facility (such as heating systems), but not movable equipment (such as Plant equipment). In many instances, this term is



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synonymous with ‘real estate.’

Realignment

Any action that both reduces and relocates functions and DOD civilian personnel positions, but does not include a reduction in force resulting from workload adjustments, reduced personnel or funding levels, skill imbalances, or other similar cause. A realignment may terminate the DOD requirement for the land and facilities on part of an installation. That part of the installation shall be treated as “closed,” and in the context of this document referred to as a “partial closure.”

Senior Mission Commander (SMC)

The SMC is a General Officer (GO) with command oversight of one or more non-GO Installation Commanders. The SMC conveys Major Command (MACOM) mission priorities to the Installation Commander, and provides executive oversight and communicates installation management priorities not established by Headquarters Department of the Army or IMA to the Installation Commander and Garrison Commander. SMC’s orders from the General Officer Management Office will specify the installations for which they will serve as SMC.

Special Installation

An Army installation which is under administrative control of IMA, yet operated and funded by a MACOM (e.g., Army Ammo Plant, Hospital, etc.).

Uncontaminated Property

Per CERCLA 120(h)(4), uncontaminated property is a parcel of real property on which no hazardous substances and no petroleum product or their derivatives were known to have been released or disposed of.

Unexploded Ordnance

Military munitions that (A) have been primed, fuzed, armed, or otherwise prepared for action; (B) have been fired, dropped, launched, projected, or placed in such a manner as to constitute a hazard to operations, installations, personnel, or material; and (C) remain unexploded whether by malfunction, design, or any other cause (10 U.S.C. 101(e)(5)(A) through (C)).



Executive Summary

Purpose

The purpose of this Environmental Condition of Property (ECP) report was to characterize the existing environmental conditions at the Red River Army Depot (RRAD) West Excess Property (WEP). The ECP assessed the components identified in the Department of Defense *Base Redevelopment and Realignment Manual* (BRRM), dated 1 March 2006, 4165.66-M, C.8.3 and AP2.

This ECP Report provides information for determining the suitability for transfer of RRAD WEP, and meets the requirements of Title 40, Code of Federal Regulations (CFR), Part 373, § 373.1, and United States Army Regulation (AR) 200-1, *Environmental Quality, Environmental Protection and Enhancement*. AR 200-1 requires an Environmental Baseline Survey be prepared to determine the environmental conditions of properties being considered for disposal. While the ECP Report assessed the components presented in the BRRM, it also closely parallels the American Society for Testing and Materials (ASTM) D6008-96, *Standard Practice for Conducting Environmental Baseline Surveys*.

Location

RRAD WEP is located in northeastern Texas, approximately 21 miles west of Texarkana, Texas, in central Bowie County (**Figure ES-1**). Communities in the vicinity of RRAD WEP include New Boston to the northwest, Hooks to the northeast, Lone Star Army Ammunition Plant to the east, and Redwater and Maud to the south. RRAD WEP is approximately six miles south of the Red River, which forms the boundary between northeastern Texas and southwestern Arkansas. **Figure ES-2** presents the RRAD and **Figure ES-3** presents the RRAD WEP. The 2005 Base Realignment and Closure property, RRAD WEP, consists of 3,835 acres of the total RRAD acreage of 18,316.

Operations

The current mission of RRAD is to:

- Conduct (light) ground combat and tactical systems sustainment maintenance operations, Air Defense Systems certification, and related support services worldwide for the United States Armed Forces and Allied/Friendly Nations;
- Train and employ the United States Army's (Army) Emerging Sustainment Maintenance Companies;
- Provide essential base support services to Red River Industrial Complex Missions; and
- Ammunition storage and timber management on the RRAD WEP.

In addition, RRAD is an active and viable partner in Bowie County, the greater Texarkana community, and the four states area at large. RRAD is currently the Center of Industrial Technical Excellence for tactical wheeled vehicles, the Small Emplacement Excavator, Bradley Fighting Vehicle series, Multiple Launch Rocket System chassis, Patriot Missile



Executive Summary

re-certifications, and for rubber products. Currently, most of RRAD, including the WEP, is used for timber management and ammunition storage.

Environmental Conditions

Resource Conservation and Recovery Act Status

RRAD is a large quantity generator (United States Environmental Protection Agency (USEPA) Identification No. TX-3213820738). RRAD generates and manages hazardous waste in accordance with Resource Conservation and Recovery Act (RCRA) Permit No. HW-50178-000. The RCRA permit was originally issued on 13 December 1988, then renewed in 1995 and 2001. The current permit expires in 2011.

Landfills

There is one closed landfill located in the RRAD WEP (depicted on **Figure ES-4** as 4(4)HR). RCRA permit No. 50178-000 authorized RRAD to operate the Ordnance Training Center (OTC) Landfill (OTC Burial Site, RRAD-04) listed in **Table ES-1**. The compliance monitoring plan requires at least 30 years of post-closure care due to hazardous waste closed in place. The OTC Landfill (OTC Burial Site, RRAD-04) was certified as closed on 23 December 1983.

TABLE ES-1 AUTHORIZED FACILITY UNITS (UNDER RCRA PERMIT NO. 50178-000) LOCATED IN THE RRAD WEST EXCESS PROPERTY			
Texas Commission on Environmental Quality (TCEQ) Permit Unit No.	Unit Name	Unit Description	Capacity (pounds)
11	OTC Landfill (OTC Burial Site, RRAD-04)	This landfill, identified as OTC Landfill (OTC Burial Site, RRAD-04), has been closed and is authorized for post-closure care activities only. No additional wastes are managed within this unit.	3,750,000

National Pollutant Discharge Elimination System

RRAD currently has a National Pollutant Discharge Elimination System permit (No. TX0000132) and a corresponding TCEQ Texas Pollutant Discharge Elimination System (TPDES) permit (No. WQ0002206000) that was issued on 19 September 2006. Discharge from the permitted outfalls, illustrated in the TPDES permit, does not affect the RRAD WEP.

RRAD holds a TPDES Multi-Sector General Permit No. TXR05000, issued 14 August 2006, for discharge of stormwater to surface waters in the state of Texas. The RRAD WEP has two permitted stormwater monitoring points located in the area of the OTC Landfill (OTC Burial Site, RRAD-04). A Stormwater Pollution Prevention Plan is currently under revision for RRAD.



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Air

RRAD holds a Clean Air Act Major Operating Permit and is in attainment for all criteria pollutants. There are no known sources of emissions located in the RRAD WEP area and no air permits exist specifically for the RRAD WEP.

Underground Storage Tanks, Aboveground Storage Tanks, and Oil/Water Separators

There are no active underground storage tanks (USTs) at RRAD. No known historic USTs or oil/water separators were identified within the RRAD WEP.

Two 7,000-gallon aboveground storage tanks (ASTs) were located in the northeast area of the RRAD WEP, west of the former OTC Hospital area. It is estimated the tanks were removed in the late 1950s to early 1960s when the OTC Hospital area was deactivated. Underground piping associated with these tanks is still present in RRAD WEP area (depicted on **Figure ES-4** as 6(2)PR).

Polychlorinated Biphenyls

To date, equipment surveys have never indicated polychlorinated biphenyl (PCB) concentrations greater than 50 parts per million. According to the original Bill of Sale recorded in the Easement for Electric Utilities, the Army represented and acknowledged that none of the electric transformers contained PCBs. Furthermore, there are no historical documents that identify PCB-containing items or spills in the RRAD WEP.

Asbestos-Containing Materials

Asbestos-containing material (ACM) is present in the ammunition storage magazines (igloos). After igloo A7-07 caught fire in August 1996, the debris was analyzed for asbestos. Data indicated the igloo weatherproofing contained asbestos. Additionally, site personnel indicated during the 2006 visual site inspection (VSI) that igloo doors may contain ACM. ACM is not suspected in any other area associated with the RRAD WEP.

Lead and Lead-Based Paint

Lead-based paint (LBP) is reported to have been used on the inside of igloo doors in the RRAD WEP. No known LBP abatement has been conducted at RRAD WEP.

Radon

A radon survey was conducted at RRAD in 1989. The survey indicated that radon is not a concern on the depot. All sites were below the USEPA action level of 4.0 picocuries per liter.



Executive Summary

Radioactive Materials

RRAD has four United States Nuclear Regulatory Commission (USNRC) licenses and three additional licenses that have expired. No areas in the RRAD WEP have been known to have stored radioactive materials. No USNRC licenses are known to exist for the RRAD WEP area.

Installation Restoration Program

There are currently 88 Army Environmental Database-Restoration sites at RRAD, including 10 sites addressed under the Military Munitions Response Program (MMRP). For the Installation Restoration Program (IRP), only the OTC Landfill (OTC Burial Site, RRAD-04) is located on the RRAD WEP.

The OTC Landfill (OTC Burial Site, RRAD-04) is located on the northwest portion of RRAD WEP (depicted on **Figure ES-4** as 4(4)HR). From 1942 to 1982, there were several different uses for this site. It was a sewage treatment plant, an industrial waste batch treatment plant, a drum storage area, and finally a landfill. Between 1972 and 1982 four burial sites received containerized compounds, including solvents, pentachlorophenol, and heavy metals. Closure for this RCRA regulated unit was accomplished by installing a RCRA cap over the entire site in 1985. Volatile organic compounds (VOCs) (e.g., 1,1-dichloroethylene, 1,1,1-trichloroethane, and trichloroethylene) have been detected in groundwater.

A corrective measures implementation plan for a Plume Management Zone and a Compliance Plan permit modification were approved by the TCEQ in March 2006. Groundwater samples are being collected for VOCs and results from the OTC Landfill (OTC Burial Site, RRAD-04) are reported semi-annually. Long-Term Monitoring (LTM) will continue indefinitely and Land Use Controls (LUC) are required for the site to restrict groundwater use and excavating activities.

Military Munitions Response Program

In 2002, a preliminary assessment was conducted for potential MMRP sites at RRAD. Remedial actions, such as unexploded ordnance (UXO) removal and soil remediation/removal, for each site will be determined at the conclusion of the investigations. Two MMRP sites are located in the RRAD WEP, the Northwest Surveillance Function Test Range and the Southwest Surveillance Function Test Range (depicted on **Figure ES-4** as 3(6)HRX and 2(6)HRX; respectively).

The Northwest Surveillance Function Test Range (RRAD-008-R-01) is closed and located in the northwest corner of the RRAD WEP. This approximately 22-acre site is believed to have been used between 1953 and 1960.

The Southwest Surveillance Function Test Range (RRAD-009-R-01) is closed and located in the southwest portion of the RRAD WEP. While the exact acreage is unknown, some sources state the site to be 104 acres in size, while others report the size as 40 to 106 acres. The Historical Records Review (HRR) states the range was used from the late 1940s into the 1980s.



Executive Summary

According to the HRR, the various munitions and explosives of concern associated with these sites were grenades, fuzes, and anti-personnel mines. Cleanup strategy included a site investigation that was completed in 2005. A remedial investigation/feasibility study is scheduled to begin in 2007. Remediation may consist of soil removal and/or UXO clearance. Information for the ranges located in the RRAD WEP is summarized in **Table ES-2**.

TABLE ES-2 RRAD WEST EXCESS PROPERTY RANGES				
Range	Status	Acreage	Current Use	Historic Use
Northwest Surveillance Function Test Range (RRAD-008-R-01)	Closed	Approx. 22	None	Used to test pyrotechnics, smoke pots, selected grenades, grenade fuzes, and anti-personnel mines for stockpile reliability. The range operated from 1953 until 1960.
Southwest Surveillance Function Test Range (RRAD-009-R-01)	Closed	Approx. 40 to 106	None	Used to test pyrotechnics, smoke pots, selected grenades, grenade fuzes, and anti-personnel mines for stockpile reliability. The range operated from the late 1940s into the 1980s.

Conclusions

Conclusions are based on the available sources of information concerning both past and present uses of the property. Information included readily available data associated with adjacent property records; aerial photography; personnel interviews; Army environmental programs and associated documentation; current and historic investigations; and ongoing response actions. In addition, record sources were reviewed to determine if there have been spills, leaks, discharges, leaching, underground injections, dumping, abandonments, or storage of hazardous substances or petroleum products at the installation.

Discrete areas, referred to as parcels, were classified into one of seven standard ECP area types (categories) as defined by ASTM 5746-98, *Standard Classification of Environmental Condition of Property Area Types for Defense Base Closure and Realignment Facilities*. The parcels are depicted on **Figure ES-4**. A total of 10 parcels were identified for RRAD WEP.

ECP Category 1

The ECP Category 1 parcel contains 3,608.45 acres of uncontaminated property. This parcel primarily consists of undeveloped land outside the storage areas. Approximately 855 acres of this parcel include the storage igloos, Y-sites, and surrounding area. Based on the VSI, personnel interviews, and historical records review, the igloos have stored various items, including raw explosives materials, finished munitions, and reject munitions. Based on the VSI and personnel interviews completed as part of this ECP, there was no evidence that a release or disposal of hazardous substances or petroleum products or their derivatives has occurred in these areas. The ECP Category 1 parcel is identified in white on **Figure ES-4** as 1(1).



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ECP Category 2

ECP category 2 consists of two parcels and 0.90 acres of land. One parcel is located in the northeast area of the RRAD WEP, west of the former OTC Hospital area, previously had two 7,000-gallon ASTs containing fuel oil. It is estimated the tanks were removed in the late 1950s to early 1960s but the underground piping is still present. The area is identified in blue on **Figure ES-4** as 6(2)PR. The second parcel is located in the northwest of the RRAD WEP, a kerosene spill of unknown origin flowed downstream from off the installation onto the property. The area is identified in blue on **Figure ES-4** as 8(2)PR.

ECP Category 3

No parcels were identified as ECP Category 3 at RRAD WEP.

ECP Category 4

ECP Category 4 consists of one parcel and 9.08 acres of land. The parcel, 4(4)HR, is being addressed under the IRP. The parcel is identified in dark green on **Figure ES-4**.

ECP Category 5

No parcels were identified as ECP Category 5 at RRAD WEP.

ECP Category 6

ECP Category 6 consists of three parcels and 205.14 acres of land. Parcel 2(6)HRX and 3(6)HRX are being addressed under the MMRP. Parcel 5(6)HRX identifies the former storage igloo A7-07 and the potential kick-out area. The parcels are identified in red on **Figure ES-4**.

ECP Category 7

ECP Category 7 consists of three parcels and 11.43 acres of land. The parcels are identified in gray on **Figure ES-4**. Based on available information obtained during the ECP process, the Category 7 parcels described below have either not been evaluated or require additional evaluation.

- Building 2155 was identified as being previously used as a black powder storage magazine. The area is identified on **Figure ES-4** as 7(7)X.
- During the review of 1949 aerial photography, it was noted that a structure was located northeast of a hay baling operation. Later aerials indicate the structure existed through 1975. Activities at this structure could not be verified. The structure area is identified on **Figure ES-4** as 9(7)HRPR. The aerial photos were obtained during the VSI. The aerial analysis was completed after the VSI; therefore, no photographs were taken during the VSI.
- During the review of 1960 aerial photography, a scarred area was identified in the northwest corner of the RRAD WEP. Activities explaining the ground scarring could not be identified.



Executive Summary

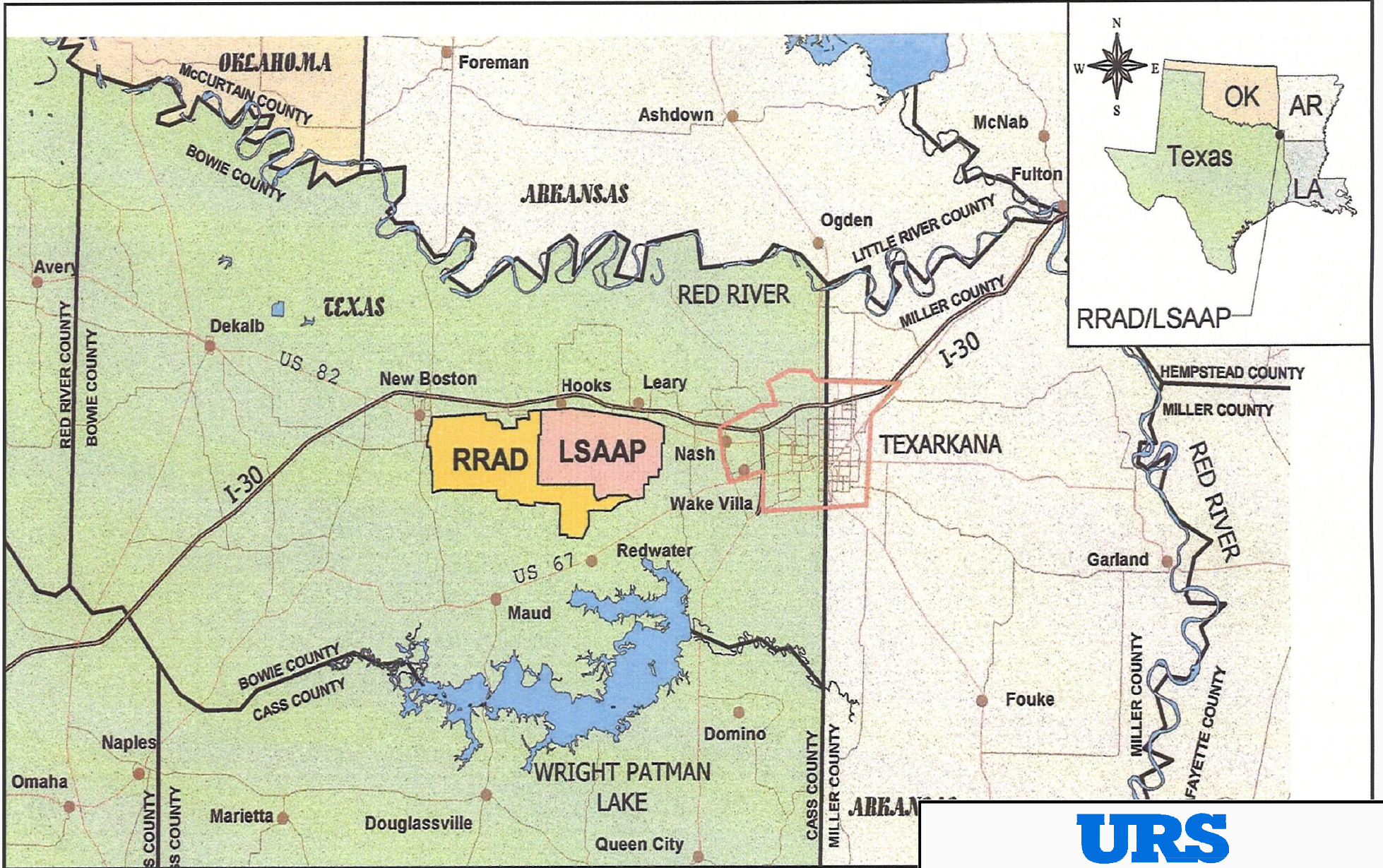
The area is identified on **Figure ES-4** as 10(7)HRPR. The aerial photo was obtained during the VSI. The aerial analysis was completed after the VSI; therefore, no photographs were taken during the VSI.

ECP Category Parcel and Acreage Summary

The parcel categorizations are summarized in **Table ES-3** and depicted on **Figure ES-4**.

TABLE ES-3 RRAD WEST EXCESS PROPERTY CATEGORIES			
ECP Category	Acres	Category Definition	Parcels
1	3,608.45	<p>Areas where no release or disposal of hazardous substances or petroleum products or their derivatives has occurred, and to which there has been no migration of such substances from adjacent areas.</p> <p>The Category I acreage can be described as follows:</p> <ul style="list-style-type: none"> • Forested land (approximately 2,055 acres) • Other vegetated areas (approximately 505 acres) • Munition storage (approximately 1,048 acres) 	1(1)
2	0.90	Areas where only release or disposal of petroleum products has occurred.	6(2)PR 8(2)PR
3	0	Areas 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 response.	No parcels
4	9.08	Areas where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred, and all removal or remedial actions to protect human health and the environment have been taken.	4(4)HR
5	0	Areas where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred, and removal or remedial actions are under way, but all required actions have not yet been taken yet.	No parcels
6	205.14	Areas where release, disposal, or migration, or some combination thereof, of hazardous substances have occurred, but required removal or remedial actions, or both, have not yet been initiated.	2(6)HRX 3(6)HRX 5(6)HRX
7	11.43	Areas that are unevaluated or require additional evaluation.	7(7)X 9(7)HRPR 10(7)HRPR





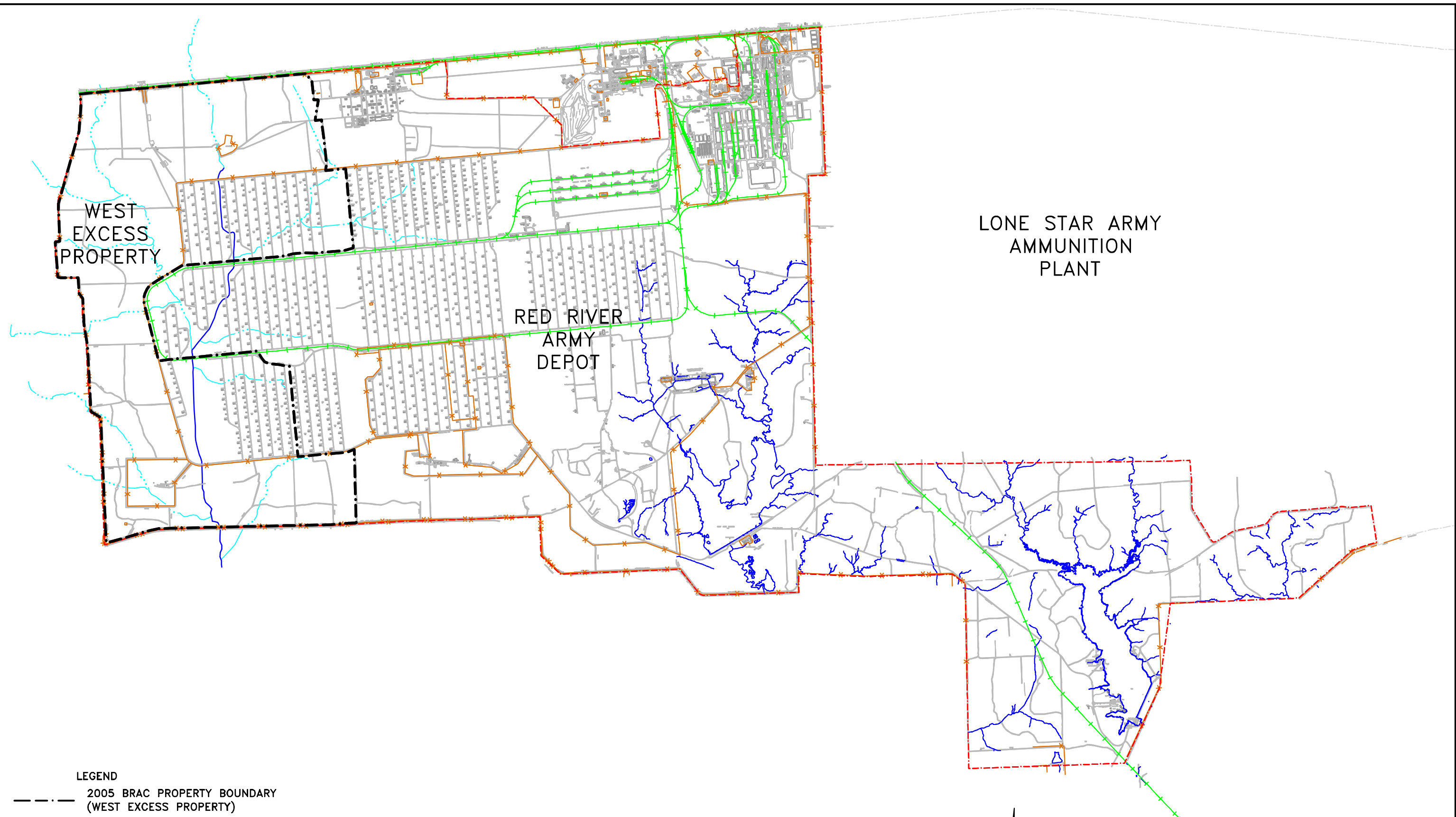
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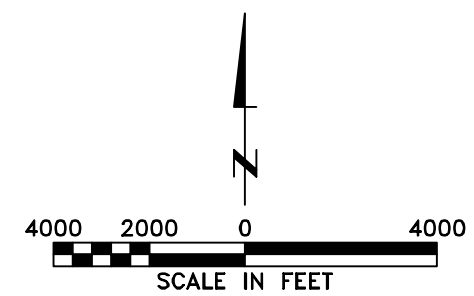
SITE LOCATION MAP
 RED RIVER ARMY DEPOT
 TEXARKANA, TEXAS

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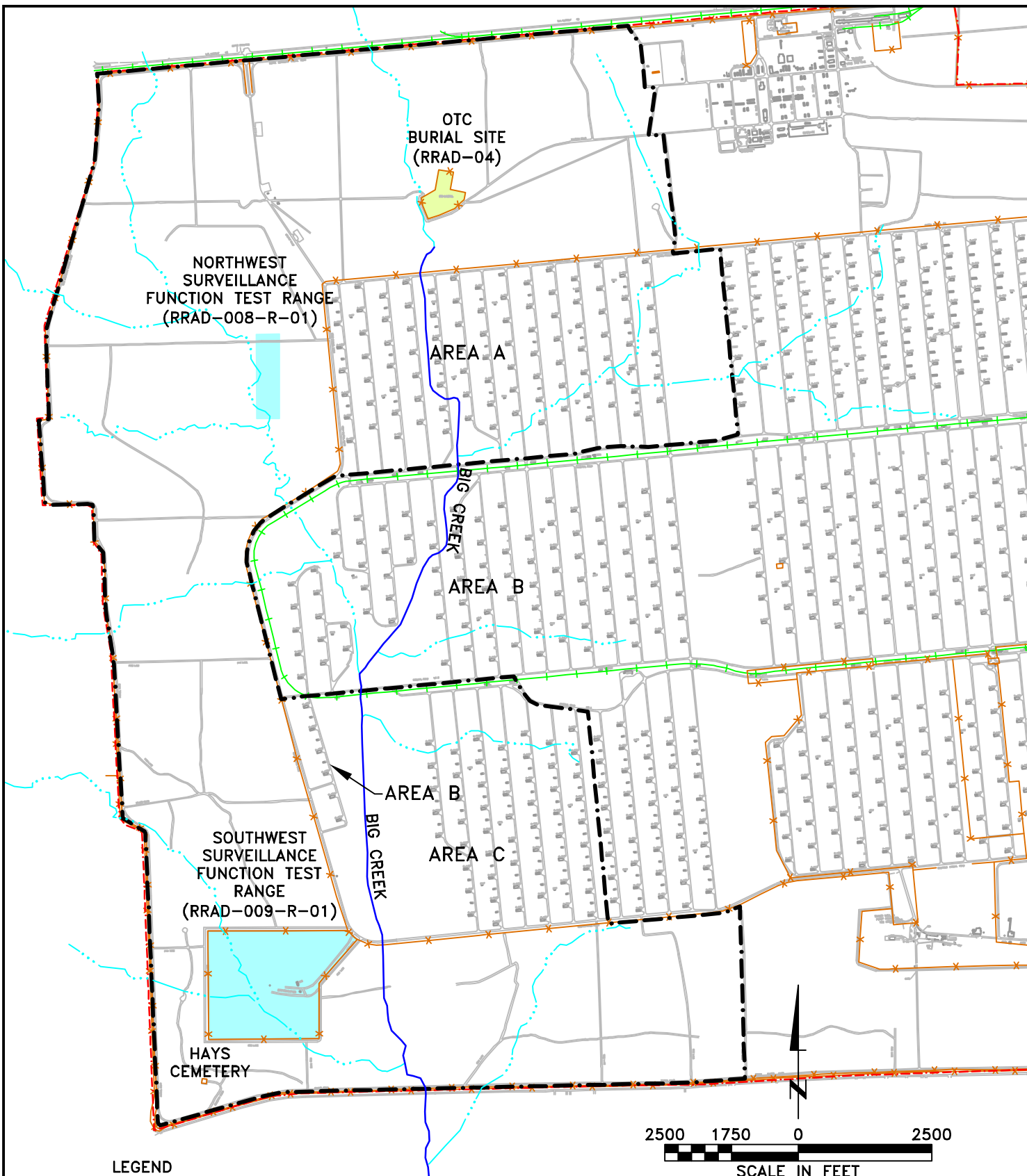


LEGEND

- 2005 BRAC PROPERTY BOUNDARY (WEST EXCESS PROPERTY)
- - - DEPOT BOUNDARY
- + + + RAILROAD TRACKS
- * * * FENCE
- ___ ROAD
- PERENNIAL STREAM
- ... INTERMITTENT STREAM

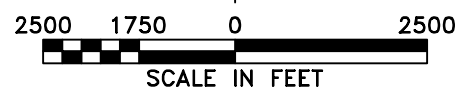


URS			
RED RIVER ARMY DEPOT TEXARKANA, TEXAS			
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LEGEND

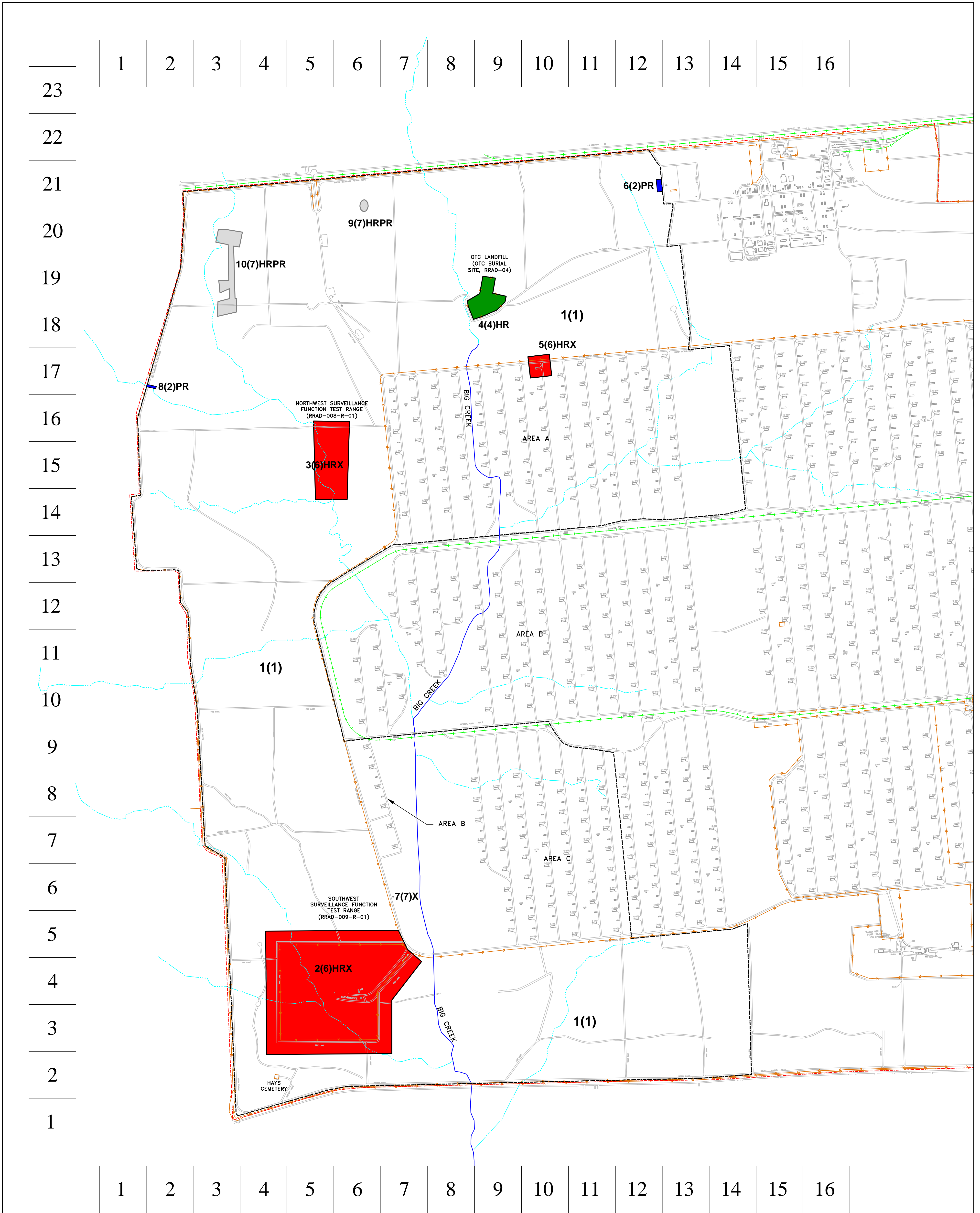
- · — · — WEST EXCESS PROPERTY BOUNDARY
- - - DEPOT BOUNDARY
- +—+— RAILROAD TRACKS
- x—x— FENCE
- — — ROAD
- — — PERENNIAL STREAM
- · - · - INTERMITTENT STREAM
- IRP SITE
- MMRP SITE



**WEST EXCESS PROPERTY SITE MAP
RED RIVER ARMY DEPOT
TEXARKANA, TEXAS**

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LEGEND
 - - - WEST EXCESS PROPERTY BOUNDARY
 - - - DEPOT BOUNDARY
 - - - RAILROAD TRACKS
 - - - FENCE
 - - - PERENNIAL STREAM
 - - - INTERMITTENT STREAM
 - - - IGLDO
 - - - Y-SITE

ECP CATEGORY 1
 AREAS WHERE NO RELEASE OR DISPOSAL OF HAZARDOUS SUBSTANCES OR PETROLEUM PRODUCTS OR THEIR DERIVATIVES HAS OCCURRED, AND TO WHICH THERE HAS BEEN NO MIGRATION OF SUCH SUBSTANCES FROM ADJACENT AREAS.

ECP CATEGORY 2
 AREAS WHERE ONLY RELEASE OR DISPOSAL OF PETROLEUM PRODUCTS HAS OCCURRED.

ECP CATEGORY 3
 AREAS 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 RESPONSE.

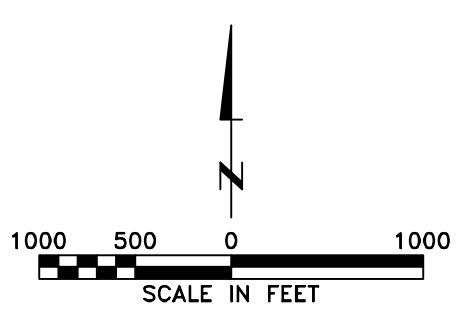
ECP CATEGORY 4
 AREAS WHERE RELEASE, DISPOSAL, OR MIGRATION, OR SOME COMBINATION THEREOF, OF HAZARDOUS SUBSTANCES HAS OCCURRED, AND ALL REMOVAL OR REMEDIAL ACTIONS NECESSARY TO PROTECT HUMAN HEALTH AND THE ENVIRONMENT HAVE BEEN TAKEN.

ECP CATEGORY 5
 AREAS WHERE RELEASE, DISPOSAL, OR MIGRATION, OR SOME COMBINATION THEREOF, OF HAZARDOUS SUBSTANCES HAS OCCURRED, AND REMOVAL OR REMEDIAL ACTIONS, OR BOTH, ARE UNDER WAY, BUT ALL REQUIRED ACTIONS HAVE NOT YET BEEN TAKEN YET.

ECP CATEGORY 6
 AREAS WHERE RELEASE, DISPOSAL, OR MIGRATION, OR SOME COMBINATION THEREOF, OF HAZARDOUS SUBSTANCES HAS OCCURRED, BUT REQUIRED REMEDIAL ACTIONS HAVE NOT YET BEEN INITIATED.

ECP CATEGORY 7
 AREAS THAT ARE UNEVALUATED OR REQUIRE ADDITIONAL EVALUATION.

EXAMPLE PARCEL DESIGNATION
 99(7)HRPRX
 99 PARCEL DESIGNATION
 (7) ECP CATEGORY
 HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL
 PR PETROLEUM SUBSTANCE RELEASE OR DISPOSAL
 X EXPLOSIVE HAZARD/MEC, WHICH INCLUDES DMM, UXO, AND MC



URS
 ENVIRONMENTAL CONDITION OF PROPERTY PARCEL MAP
 WEST EXCESS PROPERTY
 RED RIVER ARMY DEPOT
 TEXARKANA, TEXAS

DRN. BY: OPS	DATE: 11/23/05	PROJECT NO: 16170064	FIG. NO: ES-4
CHKD. BY: JKH	REVISION: 4		

The Environmental Condition of Property (ECP) process is a systematic process that evaluates and documents the potential for environmental contamination and liability and identifies the scope of investigative effort required to confirm suspected potential contamination. The purpose of this ECP report is to characterize the existing environmental conditions at the Red River Army Depot (RRAD) West Excess Property (WEP). The ECP assessed the components identified in the Department of Defense (DOD) *Base Redevelopment and Realignment Manual* (BRRM), dated 1 March 2006, 4165.66-M, C.8.3 and AP2.

1.1 GENERAL

This ECP Report provides information for determining the suitability for transfer of RRAD WEP, and meets the requirements of Title 40, Code of Federal Regulations (CFR), Part 373, § 373.1, and United States Army Regulation (AR) 200-1, *Environmental Quality, Environmental Protection and Enhancement*. AR 200-1 requires an Environmental Baseline Survey (EBS) be prepared to determine the environmental conditions of properties being considered for disposal. While the ECP Report assessed the components identified in the BRRM (DOD 2006), it also closely parallels the American Society for Testing and Materials (ASTM) D6008-96 *Standard Practice for Conducting Environmental Baseline Surveys* (ASTM 2005).

Several branches of the federal government have adopted an Environmental Due Diligence Audit process that has many parallels to the commercial Environmental Site Assessment process. The ECP meets the appropriate requirements of federal and state laws as they apply to the disposal of federal properties.

The information gathered during this assessment can be used to assist the United States Army (Army), the General Services Administration (GSA), and the purchaser in making informed business decisions about the transfer of the property by reducing uncertainty regarding its environmental condition.

The Army prepares an ECP Report for the following purposes:

- Identify, characterize, and document the presence or likely presence of a release of any hazardous substances or petroleum products into the environment, which includes the ground, groundwater, or surface water of the property associated with the historical and current use of the installation.
- Identify, characterize, and document the release or possible release of any hazardous substances or petroleum products from an adjacent property that would likely cause or contribute to contamination at the installation.
- Provide a basis for determining if the property is suitable for transfer, lease, or assignment.

The ECP contains the information required to comply with the provisions of 40 CFR, Part 373 that require a notice to accompany contracts for the sale of, and deeds entered into the transfer of, federal property on which hazardous substances may have been stored, released or disposed. Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) §120(h)



stipulates that a notice is required if certain quantities of designated hazardous substances have been stored on the property.

The ECP Report is not prepared to satisfy a real property purchaser's duty to conduct an "all-appropriate inquiry" to establish an "innocent purchaser defense" to CERCLA 107 liability. Any such use of the ECP Report by any party is outside the control of the Army and beyond the scope of the ECP Report. The Army, its officers, employees or contractors makes no warranties or representations that any ECP Report satisfies any such requirements for any party.

1.2 SCOPE

The scope of work for this ECP requires conformance with AR 200-1 (paragraph 15-6), *Environmental Quality, Environmental Protection and Enhancement*, dated 21 February 1997, and CERCLA §120.

RRAD consists of 18,316 acres of land. This ECP report covers 3,835 acres of land located within RRAD. For the purposes of this ECP report, the approximate 3,835 acres of land that corresponds with this ECP report will be referred to as the RRAD WEP. Areas within RRAD that are not associated with the RRAD WEP will be considered adjacent property. The RRAD WEP is located in northeastern Texas, approximately 21 miles west of Texarkana, Texas, in central Bowie County. Communities in the vicinity of RRAD include New Boston to the northwest, Hooks to the northeast, and Redwater and Maud to the southeast (USAEC 2005). RRAD is approximately six miles south of the Red River, which forms the boundary between northeastern Texas and southwestern Arkansas. A site location map is provided as **Figure 1-1**. **Figure 1-2** presents the RRAD and **Figure 1-3** presents the RRAD WEP.

1.3 ASSUMPTIONS

The environmental conditions are based on information from the site reconnaissance, interviews, and collection and review of readily available information. New information or changes in property use could require a review and possible modification of the findings and conclusions contained in this report.

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

1.4 LIMITATIONS

This ECP Report presents a summary of readily available information on the environmental conditions of, and concerns relative to, the land, buildings, and real property assets at RRAD WEP. The ECP Report findings are based on environmental investigations and reports, historical documents, and a site reconnaissance conducted 26 June through 28 June 2006.



Information obtained from other studies is reflected within this ECP Report by reference. A complete list of references is provided in **Section 7**. This ECP report should be reviewed and used in its entirety, as excerpting individual sections may present information out of context. The ECP process recognizes that the condition of property can change many times before transfer. Property classifications can change as historical contamination is cleaned up or if a new source of contamination is identified. Records reviewed during the Phase I assessment were accepted as accurate and a reasonable effort was made to resolve discrepancies identified during the document review.

During the ECP Phase I assessment, all available sources of information concerning both past and present environmentally significant uses of the property were reviewed. This included readily available data associated with adjacent property records; 1940, 1949, 1953, 1960, 1968, 1975, 1980, and 1995 aerial photography; personnel interviews; Army environmental programs and associated documentation; current and historic investigations; and ongoing response actions. In addition, record sources were reviewed to determine if there have been spills, leaks, discharges, leaching, underground injection, dumping, abandonment, or storage of hazardous substances or petroleum products at the installation. The visual site inspection (VSI) and interview process included inquiries and requests into the existence and availability of records that support the environmental condition of the property.

The site reconnaissance consisted of tours of non-storage areas, building inspections, installation property line drive, and an automotive tour of the WEP. A visual inspection of ten percent of the igloos on the WEP was conducted. Similarly, a visual inspection of all undeveloped areas was not practical due to the inaccessibility of areas due to natural barriers, which included overgrown vegetation. No sampling or analysis was conducted during the VSI.

1.5 REPORT ORGANIZATION

The remainder of the ECP Report is organized as follows:

Section 2 – Survey Methodology: This section describes the methods used to obtain the information for this ECP Report such as the development of study sections, the VSI inspection, aerial photography analysis, records review, interviews, and data management.

Section 3 – Property Description: This section provides the installation location and description; an overview of installation operations, processes, and history; a description of the RRAD and RRAD WEP environmental setting, including climate, topography, geology, and demography; the biological and cultural resources summary including historic, archaeological, buildings, and related consultations; and a description of the available RRAD WEP utilities.

Section 4 – Environmental Conditions: This section provides the existing environmental information. The findings are organized by relevant environmental “issues,” including permits and licenses, cleanup activities, hazardous substances, petroleum and related products, asbestos, lead, lead-based paint (LBP), radioactive materials, landfills, explosive contaminated structures,



radon, pesticides, and polychlorinated biphenyls (PCBs). This section also includes adjacent property descriptions.

Section 5 – Summary and Conclusions: This section provides a summary of the RRAD WEP ECP and resulting parcel categories.

Section 6 – Certification: This section documents the approval of the ECP report.

Section 7 – References: This section provides an inventory of the reference material used in the preparation of this ECP Report.

Appendix A: Building Hazard Classifications

Appendix B: Aerial Photographs

Appendix C: ECP Visual Site Inspection Photographs

Appendix D: Methodology, Data Records, and Title Search Information

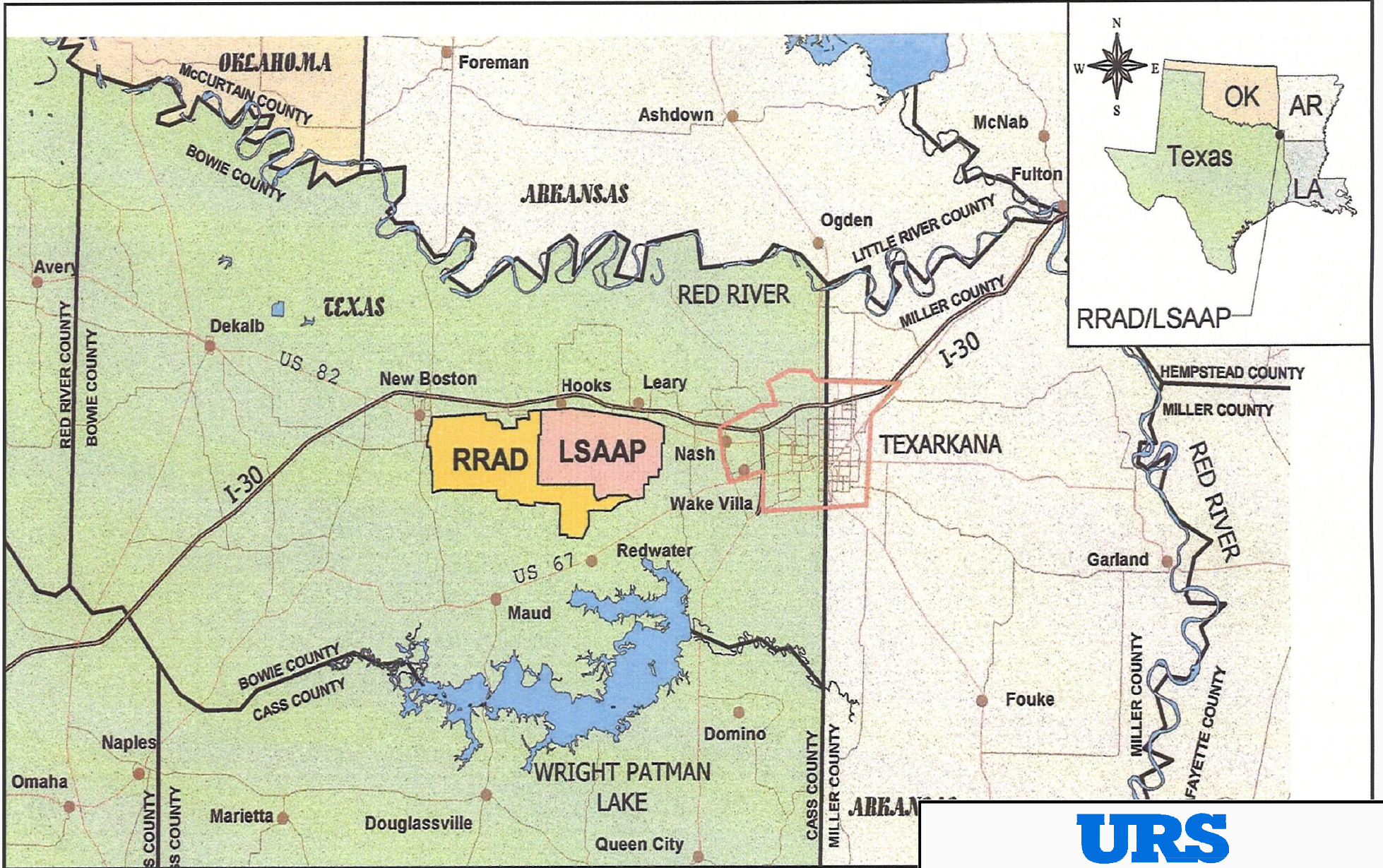
Appendix E: Interview Forms

Appendix F: Threatened and Endangered Species in Bowie County, Texas

Appendix G: Integrated Pest Management Outlines

Appendix H: Qualifications





SOURCE: TETRA TECH 2006

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URS

SITE LOCATION MAP
 RED RIVER ARMY DEPOT
 TEXARKANA, TEXAS

DRN. BY: DPG	DATE: 08/29/06	PROJECT NO. 16170064	FIG. NO. 1-1
CHK'D. BY: JDH	REVISION: 0		

WEST
EXCESS
PROPERTY

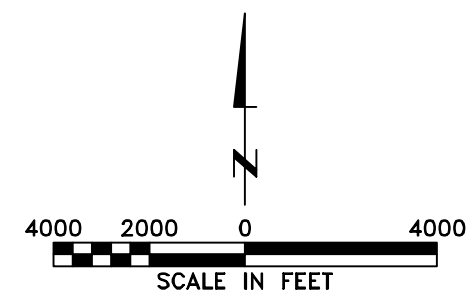
RED RIVER
ARMY
DEPOT

LONE STAR ARMY
AMMUNITION
PLANT

LEGEND

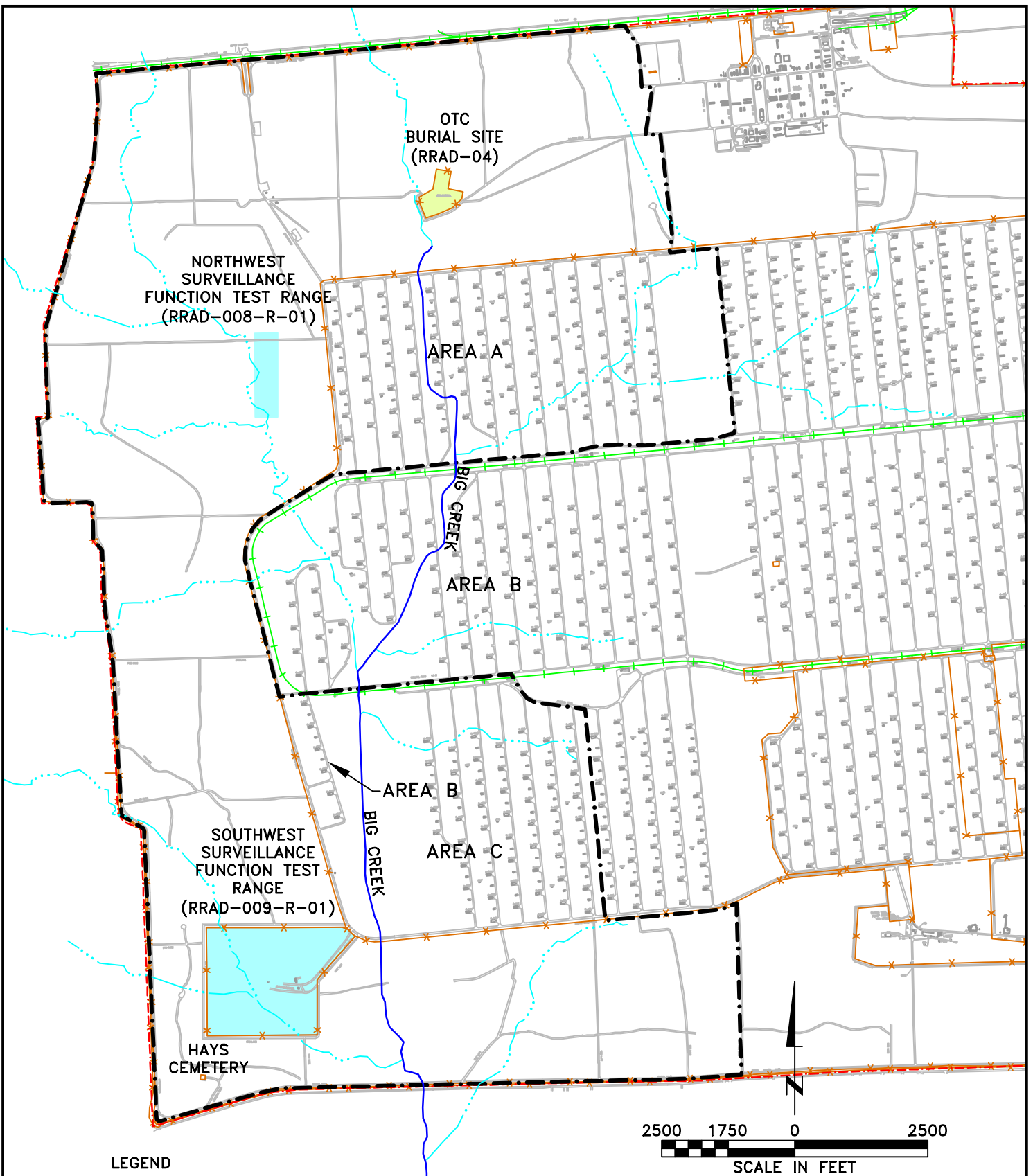
- 2005 BRAC PROPERTY BOUNDARY (WEST EXCESS PROPERTY)
- - - DEPOT BOUNDARY
- + + + RAILROAD TRACKS
- * * * FENCE
- ROAD
- PERENNIAL STREAM
- ... INTERMITTENT STREAM

November 28, 2006 1:24:40 p.m.
Drawing: T:\RRAD\1-2.dwg



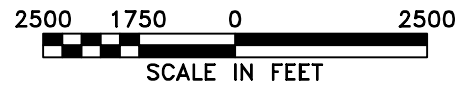
RED RIVER ARMY DEPOT
TEXARKANA, TEXAS

DRN. BY: DPG	DATE: 07/20/06	PROJECT NO. 16170064	FIG. NO. 1-2
CHK'D. BY: JDH	REVISION: 0		



LEGEND

- WEST EXCESS PROPERTY BOUNDARY
- DEPOT BOUNDARY
- RAILROAD TRACKS
- FENCE
- ROAD
- PERENNIAL STREAM
- INTERMITTENT STREAM
- IRP SITE
- MMRP SITE



**WEST EXCESS PROPERTY SITE MAP
RED RIVER ARMY DEPOT
TEXARKANA, TEXAS**

November 28, 2006 1:25:36 p.m.
Drawing: T:\RRAD\1-3.dwg

DRN. BY: DPG	DATE: 07/27/06	PROJECT NO. 16160064	FIG. NO. 1-3
CHK'D. BY: JDH	REVISION: 0		

2.1 DEVELOPMENT OF STUDY SECTIONS

The depot property was divided into study sections to assist with the data retrieval and management. Data (e.g., historical use and practices, process descriptions, current use, chemical usage and storage) were collected and organized by study section. Development of sections was based on the following considerations:

- Boundaries must be readily identifiable in the field;
- Boundaries must correspond closely with those of properties destined for transfer to specific entities;
- Boundaries must be of a manageable size for survey;
- Study sections must encompass all of the depot property in the RRAD WEP; and
- No land area can fall into more than one section.

Section boundaries were generally designated at the center of roads or streams, along fences, along township section lines, and currently identified work areas. In addition, the study sections (parcels) were determined based on existing work areas (e.g., Area A and Area C), Military Munitions Response Program (MMRP) identification (e.g., RRAD-008-R-01 and RRAD-009-R-01), and a descriptive name for areas without identification letters or name.

2.2 VISUAL SITE INSPECTION

As required by CERCLA 120(h)(4)(A)(iv) and (v), a VSI involving a driving tour of the RRAD WEP and its perimeter, as well as a systematic survey by vehicle and on foot through each section of the property, was conducted between 26 June through 28 June 2006 to field-verify information produced in the document review and to identify potential environmental concerns. All roads on the RRAD WEP that were accessible by vehicle were driven during the VSI. A VSI was performed for buildings selected as a representative sample from groups of similar buildings (e.g., munition storage igloos). Visual inspections of open areas were performed by automobile surveys with a walking survey of points of interest.

The RRAD WEP boundary was also evaluated by driving all roads immediately surrounding the subject property. The adjacent properties are primarily residential and commercial bordering the north and west perimeters and residential and agricultural to the south of the RRAD WEP. RRAD borders the east boundary of the RRAD WEP. The depot perimeter findings are presented in **Sections 2.4.1** and **4.15**. **Table 2-1** lists the property areas, structures (e.g., igloos), and adjacent properties that were visually inspected. Approximate locations and numbers of ‘Y-Sites’ and storm shelters were obtained from the Red River Ordnance Depot (RROD) General Site Map (RROD 1962) and confirmed by the RRAD BEC. Aerial photographs are presented in **Appendix B**. Photographs taken during the VSI are presented in **Appendix C**.



TABLE 2-1 VISUAL INSPECTIONS CONDUCTED AT RRAD WEST EXCESS PROPERTY	
Property Areas/Buildings/Adjacent Properties	Survey Type
Area A - All Boundary and Interior Roads	Driving/Walking Survey
Igloo A1-05	Walking Survey
Igloo A4-02	Walking Survey
Igloo A7-05	Walking Survey
Former Location of Igloo A7-07	Walking Survey
Storm Shelter AS-08	Walking Survey
Igloo A14-01	Walking Survey
22 Y-Sites in Area A	Driving Survey
Area B – All Boundary and Interior Roads	Driving/Walking Survey
Igloo B18-11	Walking Survey
3 Y-Sites in Area B	Driving Survey
Area C – All Boundary and Interior Roads	Driving/Walking Survey
Igloo C5-04	Walking Survey
Igloo C7-01	Walking Survey
Igloo C8-05	Walking Survey
Igloo C9-03	Walking Survey
Igloo C9-08	Walking Survey
Igloo C10-02	Walking Survey
Igloo C10-05	Walking Survey
Igloo C11-03	Walking Survey
Igloo C12-02	Walking Survey
40 Y-Sites in Area C	Driving Survey
Creek with Kerosene Spill	Driving/Walking Survey
Historic Site 41BW209	Driving Survey
Historic Site 41BW261	Driving Survey
Historic Site 41BW264	Driving Survey
Historic Site 41BW265	Driving Survey
Historic Site 41BW288 Hays Cemetery	Driving/Walking Survey
Historic Site 41BW305	Driving Survey
Historic Site 41BW306	Driving Survey
Historic Site 41BW308	Driving Survey
Historic Site 41BW312	Driving Survey
Historic Site 41BW313	Driving Survey
Historic Site 41BW314	Driving Survey
Suspected Sludge Dumping Area/Sandhill	Driving/Walking Survey



TABLE 2-1 VISUAL INSPECTIONS CONDUCTED AT RRAD WEST EXCESS PROPERTY	
Property Areas/Buildings/Adjacent Properties	Survey Type
Ordnance Training Center (OTC) Hazardous Waste Landfill	Driving Survey
Sewage Treatment Plant Effluent Stream	Driving/Walking Survey
Big Creek	Driving/Walking Survey
Northwest Surveillance Function Test Range	Driving Survey
Southwest Surveillance Function Test Range	Driving/Walking Survey
Building 850 in Southwest Test Range	Driving/Walking Survey
Old Pen Area	Driving/Walking Survey
Adjacent Properties	Driving Survey

2.3 AERIAL PHOTOGRAPHY ANALYSIS

Fire insurance maps were typically only generated for areas with high population densities and areas within commercial and business districts of towns and cities. Historical fire insurance maps were not available for the RRAD WEP.

Aerial photographs were analyzed during the 2006 ECP, which included 1940, 1949, 1953, 1960, 1968, 1975, 1980, and 1995. The following sections summarize the aerial photography analysis. The photo date, scale, and type are presented in **Table 2-2**. Copies of aerial photographs reviewed during the VSI are presented in **Appendix B**. The ECP aerial photography analysis results are presented in **Sections 2.3.1** and **2.3.2**.

TABLE 2-2 AERIAL PHOTOGRAPHS REVIEWED DURING THE 2006 ECP		
Photo Date	Approximate Scale	Photo Type
1940	Scale Unknown	Black and White
1949	1:70,000	Black and White
1953	Scale Unknown	Black and White
1960	Scale Unknown	Black and White
1968	Scale Unknown	Black and White
1975	Scale Unknown	Black and White
1980	1:17,000	Black and White
1995	2-meter resolution	Natural Color

Additional aerial photographs were analyzed in August 2006 for the ECP Report (ERI 2006). Aerial photographs reviewed included photographs from 1940, 1953, 1960, 1968, 1975, and 1980. The Aerial Photographic Site Analysis Report includes analysis of photographs for the entire RRAD property, including the RRAD WEP (ERI 2006). For the purpose of the ECP



Report, only aerial photographs and analysis pertinent to the RRAD WEP will be summarized. Aerial photographs for the RRAD WEP from the Aerial Photographic Site Analysis Report are presented in **Appendix B** and the aerial photograph summation is presented in **Section 2.3.2**.

The Installation Restoration Program (IRP) and MMRP currently address key areas identified by the aerial photography analysis. Those areas that are addressed by the IRP are discussed in **Section 4.2.1** and those addressed by the MMRP are discussed in **Section 4.2.2**. The photo date, scale, and type are presented in **Table 2-3**.

Photo Date	Approximate Scale	Photo Type
1940	1:20,000	Black and White
1953	1:20,000	Black and White
1960	1:20,000	Black and White
1968	1:20,000	Black and White
1975	1:43,000	Black and White
1980	1:40,000	Black and White

Source: ERI 2006

2.3.1 ECP Aerial Photography Analysis Results

Historical aerial photographs were reviewed for areas that exhibited ground scarring or changes in ground use. Based on interviews with RRAD employees, many of the areas that showed ground scarring were identified as historical farmsteads that occupied the plant prior to 1940, food plots (man made areas for wildlife feeding), or gravel pits. The ground-scarred areas are summarized below by aerial photograph analysis site.

Aerial Analysis Site 1

Ground scarring identified along the northeastern border of the RRAD WEP. This area is located south of North Boundary Patrol Road and north of Military Road.

1940 - Area vegetated with trees.

1949 - Area has a rectangular ground scarring pattern and was used as a bivouac training area. No activities of environmental concern were associated in the area. (RRAD BEC 2006)

1953 - No change is visible.

1960 - No change is visible.

1968 - Area is vegetated.



1975 - Area is vegetated.

1980 - Area is vegetated.

1995 - Area is vegetated.

Aerial Analysis Site 2

In 1940, this area was farmland. From 1942 to approximately 1982, the ground scarring identified was the OTC Landfill (OTC Burial Site, RRAD-04). This area is located south of North Boundary Patrol Road and north of North Patrol Road. The OTC Landfill (OTC Burial Site, RRAD-04) is adjacent to Military Road. This area was used as a sewage treatment plant, industrial waste batch treatment plant, a drum storage area, and a landfill (USACE 2006b). In 1985, the landfill was capped. This area is identified on **Figure 5-1** as 4(4)HR.

Aerial Analysis Site 3

V-Shape ground scarring identified along the northwestern side of the RRAD WEP. This area is located south of North Boundary Patrol Road, east of West Boundary Patrol Road, and adjacent to Walnut Road.

1940 - Area appears to be terraced farmland.

1949 - Area appears scarred, possibly from reported use for hay hauling operations where the cut grass was pulled on a flat trailer to a central bailing operation. The central location may have been at the northern point of the V-shape, where a cleared area and a building appears to be visible. This area could also have been an area of tree planting where seeding may have been dropped off. (RRAD BEC 2006, RRAD SFLW 2006, RRAD CPM 2006, RRAD FLW 2006)

1953 - The V-shape is less noticeable due to vegetation growth. An apparent building is visible. This area is identified on **Figure 5-1** as 9(7)HRPR.

1960 - The V-shape is almost overgrown by vegetation. An apparent building is visible. This area is identified on **Figure 5-1** as 9(7)HRPR.

1968 - The V-shape is overgrown by vegetation. An apparent building is visible. This area is identified on **Figure 5-1** as 9(7)HRPR.

1975 - No change is visible.

1980 - No change is visible.

1995 - No change is visible.



Aerial Analysis Sites 4, 5, and 6

Ground scarring identified along the north central side the RRAD WEP. These areas are located east of West Patrol Road, north of Arterial Road 1, and in Igloo Area A.

- 1940 - Areas appear to be farmland.
- 1949 - Areas appear to be borrowing pits. Borrowing pits are used for excavation of dirt, sand, and gravel for construction uses. (RRAD BEC 2006, RRAD SFLW 2006, RRAD CPM 2006, RRAD FLW 2006)
- 1953 - No change is visible.
- 1960 - Beginning stages of re-vegetation present. Ground scarring is still present.
- 1968 - No change is visible.
- 1975 - Areas are vegetated.
- 1980 - Areas are vegetated.
- 1995 - Areas are vegetated.

Aerial Analysis Site 7

Ground scarring identified in the southwestern side of the RRAD WEP. This area is located east of West Boundary Patrol Road and west of Igloo Area B.

- 1940 - Area vegetated with trees.
- 1949 - Area has ground scarring with a road connection. This area appears to be a gravel pit.
- 1953 - No change is visible.
- 1960 - Beginning stages of re-vegetation present. Ground scarring is still present.
- 1968 - No change is visible.
- 1975 - Area mostly re-vegetated. Ground scarring is still present.
- 1980 - No change is visible.
- 1995 - Area is vegetated.



Aerial Analysis Site 8

Ground scarring identified in the southwestern side of the RRAD WEP. This area is located east of West Boundary Patrol Road and west of Igloo Area B.

- 1940 - Area appears to be farmland.
- 1949 - Area appears to be a gravel pit.
- 1953 - The gravel pit appears to be filling with water.
- 1960 - No change is visible.
- 1968 - Area is a pond.
- 1975 - No change is visible.
- 1980 - No change is visible.
- 1995 - No change is visible.

Aerial Analysis Site 9

Ground scarring identified in the southwestern side of the RRAD WEP. This area is located east of West Boundary Patrol Road and west of Igloo Area B.

- 1940 - Area appears to be farmland and vegetated with trees.
- 1949 - This area appears to be a sand pit. Potable water treatment plant sludge was dumped in this area (RRAD BEC 2006).
- 1953 - Beginning stages of re-vegetation present; ground scarring from removal of sand (RRAD BEC 2006).
- 1960 - No change is visible.
- 1968 - Area has new ground scarring; ground scarring reportedly from removal of sand (RRAD SLWF 2006).
- 1975 - Area has new ground scarring; ground scarring reportedly from removal of sand (RRAD SLWF 2006).
- 1980 - Beginning stages of re-vegetation present; ground scarring reportedly from removal of sand (RRAD SLWF 2006).
- 1995 - No change is visible.



Aerial Analysis Site 10

Ground scarring identified in the southwestern side of the RRAD WEP. This area is located east of West Boundary Patrol Road and in Igloo Area B.

- 1940 - Area vegetated with trees.
- 1949 - Area appears to be a borrowing pit. Borrowing pits are used for excavation of dirt, sand, and gravel for construction uses (RRAD BEC 2006, RRAD SFLW 2006, RRAD CPM 2006, RRAD FLW 2006).
- 1953 - Area ground scarring size increased due to more excavation of materials.
- 1960 - Area is vegetated.
- 1968 - Area is vegetated.
- 1970 - Area is vegetated.
- 1980 - Area is vegetated.
- 1995 - Area is vegetated.

Aerial Analysis Site 11

Ground scarring identified in the southwestern side of the RRAD WEP. This area is located east of West Boundary Patrol Road, south of Igloo Area B, and adjacent to South Patrol Road.

- 1940 - Area vegetated with trees.
- 1949 - Area has ground scarring on each side of Big Creek; appears to be channeling activities.
- 1953 - No change is visible.
- 1960 - Beginning stages of re-vegetation present; ground scarring is still present on both sides of Big Creek.
- 1968 - No change is visible.
- 1975 - Area is vegetated.
- 1980 - Area is vegetated.
- 1995 - Area is vegetated.



Aerial Analysis Site 12

Ground scarring identified in the southwestern side of the RRAD WEP. This area is located east of Igloos Area B and west of Igloo Area C.

- 1940 - Area appears to be farmland.
- 1949 - Area has rectangular ground scarring, where excavation was reportedly done for construction.
- 1953 - No change is visible.
- 1960 - Area is vegetated.
- 1968 - Area is vegetated.
- 1975 - Area is vegetated.
- 1980 - Area is vegetated.
- 1995 - Area is vegetated.

Aerial Analysis Site 13

Ground scarring identified in the southwestern side of the RRAD WEP. This area is located in the southwestern corner, adjacent to South Boundary Patrol Road and Cemetery Road.

- 1940 - Area vegetated with trees.
- 1949 - Area has ground scarring adjacent to South Boundary Patrol Road. The ground scarring is reportedly due to trucks turning around to exit RRAD (RRAD SFLW 2006).
- 1953 - No change is visible.
- 1960 - No change is visible.
- 1968 - No change is visible.
- 1975 - No change is visible.
- 1980 - Area is vegetated.
- 1995 - Area is vegetated.



Aerial Analysis Site 14

Ground scarring identified in the southwestern side of the RRAD WEP. This area is located in the southwestern corner, adjacent to South Boundary Patrol Road and due south of Igloo Area B.

- 1940 - Area heavily vegetated.
- 1949 - Area has ground scarring adjacent to South Boundary Patrol Road; appears to be a low depression area. This area reportedly tends to flood during rain events causing stressed vegetation (RRAD BEC 2006, RRAD SFLW 2006, RRAD CPM 2006, RRAD FLW 2006).
- 1953 - No change is visible.
- 1960 - Beginning stages of re-vegetation present; ground scarring is still present.
- 1968 - Area is vegetated.
- 1975 - Area is vegetated.
- 1980 - Area is vegetated.
- 1995 - Area is vegetated.

Aerial Analysis Site 15

Ground scarring identified in the northwestern side of the RRAD WEP. This area is located east of West Boundary Patrol Road and west of Igloo Area A. In 1940, this area was lightly vegetated. From 1953 to 1960, this area was used as the Northwest Surveillance Function Test Range (RRAD-008-R-01). This area is identified on **Figure 5-1** as 3(6)HRX. From 1968 to the present, this area was vegetated.

Aerial Analysis Site 16

Ground scarring identified along the northwestern border of the RRAD WEP. This area is located south of North Boundary Patrol Road, east of West Boundary Patrol road, and west of Walnut Road.

- 1940 - Area appears to be farmland.
- 1949 - Area not developed or disturbed.
- 1953 - Area not developed or disturbed.
- 1960 - This area appears to have several areas of ground scarring. This area may possibly be a dumping area because of its location adjacent to a tributary from Big Creek. This area could possibly be an area of construction activity with



possible borrowing pits (RRAD BEC 2006, RRAD SFLW 2006, RRAD CPM 2006, RRAD FLW 2006). This area is identified on **Figure 5-1** as 10(7)HRPR.

1968 - Area is vegetated.

1975 - Area is vegetated.

1980 - Area is vegetated.

1995 - Area is vegetated.

Aerial Analysis Site 17

Ground scarring identified along the northwestern border of the RRAD WEP. This area is located south of North Boundary Patrol Road, east of West Boundary Patrol Road, and west of Walnut Road.

1940 - Area is vegetated.

1949 - Area not developed or disturbed.

1953 - Area not developed or disturbed.

1960 - Area has rectangular ground scarring. This area appears to be a pond.

1968 - No change is visible.

1975 - Area is vegetated around the pond.

1980 - No change is visible.

1995 - No change is visible.

Aerial Analysis Site 18

Ground scarring identified in the southeastern corner of the RRAD WEP. This area is located in the southeastern corner, north of South Boundary Patrol Road and south of the east edge of Igloo Area C.

1940 - Area is vegetated.

1949 - Area not developed or disturbed.

1953 - Area not developed or disturbed.

1960 - Area not developed or disturbed.



- 1968 - This area appears to have ground scarring reportedly due to the excavation of a clay pit with a narrow road located around the perimeter (RRAD BEC 2006, RRAD SFLW 2006, RRAD CPM 2006, RRAD FLW 2006).
- 1975 - Area is vegetated.
- 1980 - Area is vegetated.
- 1995 - Area is vegetated.

Aerial Analysis Site 19

Ground scarring identified along the southwestern corner of the RRAD WEP. This area is located north of South Boundary Patrol Road, east of West Boundary Patrol Road, and adjacent to West Patrol Road and South Patrol Road. In 1940, this area was vegetated with trees in the northern area and lightly vegetated in the southern area. From the late 1940s into the 1980s, this area was used as the Southwest Surveillance Function Test Range (RRAD-009-R-01). In 1995, this area was covered by vegetation. This area is identified on **Figure 5-1** as 2(6)HRX.

Aerial Analysis Site 20

Ground scarring identified along the northeastern border of the RRAD WEP. This area is located south of North Boundary Patrol Road and north of Military Road.

- 1940 - Area appears to be farmland.
- 1949 - Area not developed or disturbed.
- 1953 - Area not developed or disturbed.
- 1960 - Area not developed or disturbed.
- 1968 - Area has rectangular ground scarring due to man-made food plots.
- 1975 - Area is showing re-vegetation. Ground scarring is still present.
- 1980 - No change is visible.
- 1995 - No change is visible.

Aerial Analysis Site 21

Ground scarring identified along the northwestern side of the RRAD WEP. This area is located south of North Boundary Patrol Road, east of West Boundary Patrol Road, and west of Walnut Road.

- 1940 - Area is vegetated with trees.



- 1949 - Area not developed or disturbed.
- 1953 - Area not developed or disturbed.
- 1960 - Area not developed or disturbed.
- 1968 - Area has ground scarring reportedly due to possible timber harvesting.
- 1975 - Area is showing re-vegetation. Ground scarring is still present.
- 1980 - Area is vegetated.
- 1995 - Area is vegetated.

Aerial Analysis Site 22

Ground scarring identified along the north central side of the RRAD WEP. This area is located south of North Boundary Patrol Road and along the north and south sides of Military Road adjacent to the OTC Landfill (OTC Burial, RRAD-04).

- 1940 - Area appears to be farmland.
- 1949 - Area not developed or disturbed.
- 1953 - Area not developed or disturbed.
- 1960 - Area not developed or disturbed.
- 1968 - Area not developed or disturbed.
- 1975 - Area has square areas of ground scarring due to man-made food plots.
- 1980 - No change is visible.
- 1995 - Area still has square areas of ground scarring and another skinny rectangular ground scar.

Aerial Analysis Site 23

Ground scarring identified along the northwestern border of the RRAD WEP. This area is located south of North Boundary Patrol Road, east of West Boundary Patrol Road, and west of Walnut Road.

- 1940 - Area appears to be farmland.
- 1949 - Area not developed or disturbed.
- 1953 - Area not developed or disturbed.



- 1960 - Area not developed or disturbed.
- 1968 - Area not developed or disturbed.
- 1975 - Area has square areas of ground scarring due to man-made food plots.
- 1980 - No change is visible.
- 1995 - No change is visible.

Aerial Analysis Site 24

Ground scarring identified along the northwestern side of the RRAD WEP. This area is located south of North Boundary Patrol Road, east of West Boundary Patrol Road, and east of Walnut Road.

- 1940 - Area appears to be farmland.
- 1949 - Area not developed or disturbed.
- 1953 - Area not developed or disturbed.
- 1960 - Area not developed or disturbed.
- 1968 - Area not developed or disturbed.
- 1975 - Area has square areas of ground scarring due to man-made food plots.
- 1980 - No change is visible.
- 1995 - Area has square areas of ground scarring due to man-made food plots. The other square areas of ground scarring are showing re-vegetation.

Aerial Analysis Site 25

Ground scarring identified along the northeastern side of the RRAD WEP. This area is located south of North Boundary Patrol Road and along the north and south sides of Military Road east of the OTC Landfill (OTC Burial, RRAD-04).

- 1940 - Area appears to be farmland.
- 1949 - Area not developed or disturbed.
- 1953 - Area not developed or disturbed.
- 1960 - Area not developed or disturbed.
- 1968 - Area not developed or disturbed.



1975 - Area has square areas of ground scarring due to man-made food plots.

1980 - No change is visible.

1995 - Area has one square area of ground scarring due to man-made food plots.

Aerial Analysis Site 26

Ground scarring identified along the northwestern side of the RRAD WEP. This area is located south of North Boundary Patrol Road, east of West Boundary Patrol Road, and adjacent to Walnut Road.

1940 - Area appears to be farmland.

1949 - Area not developed or disturbed.

1953 - Area not developed or disturbed.

1960 - Area not developed or disturbed.

1968 - Area not developed or disturbed.

1975 - Area has been reportedly cleared for trailer storage.

1980 - No change is visible.

1995 - No change is visible.

Aerial Analysis Site 27

Ground scarring identified along the north central side of the RRAD WEP. This area is located south of North Boundary Patrol Road and east of Walnut Road.

1940 - Area is vegetated with trees.

1949 - Area not developed or disturbed.

1953 - Area not developed or disturbed.

1960 - Area not developed or disturbed.

1968 - Area not developed or disturbed.

1975 - Area has been reportedly cleared for trailer storage.

1980 - No change is visible.

1995 - No change is visible.



Aerial Analysis Site 28

Ground scarring identified along the northeastern side of the RRAD WEP. This area is located adjacent to Bowie Avenue and Military Road and is west of Seventh Street.

- 1940 - Area appears to be farmland.
- 1949 - Area not developed or disturbed.
- 1953 - Area not developed or disturbed.
- 1960 - Area not developed or disturbed.
- 1968 - Area not developed or disturbed.
- 1975 - This area appears to have a new road connecting Bowie Avenue and Military Road. Adjacent to the road are rectangular black ground scars. The black ground scars are possible military vehicles, tents, or trailers parked or stored for OTC function use (RRAD BEC 2006, RRAD SFLW 2006, RRAD CPM 2006, RRAD FLW 2006).
- 1980 - This area appears to be vacant of possible military vehicles, tents, or trailers with no ground scarring (RRAD BEC 2006, RRAD SFLW 2006, RRAD CPM 2006, RRAD FLW 2006).
- 1995 - Borrowing pit appears on photograph. Reportedly, the clay in this area was excavated and used to cap the OTC Landfill (OTC Burial Site, RRAD-04) in 1985. The excavated area was converted to catfish breeding ponds. The catfish breeding ponds were not successful and were later filled in with construction debris over the years with the southern-most ponds corner remaining today (RRAD BEC 2006, RRAD SFLW 2006, RRAD CPM 2006, RRAD FLW 2006).

Aerial Analysis Site 29

Ground scarring identified along the northeastern side of the RRAD WEP. This area is located south of North Boundary Patrol Road and is along the south sides of Military Road east of the OTC Landfill (OTC Burial Site, RRAD-04).

- 1940 - Area appears to be farmland.
- 1949 - Area not developed or disturbed.
- 1953 - Area not developed or disturbed.
- 1960 - Area not developed or disturbed.



- 1968 - Ground scarring in area appears to be small borrowing pits (RRAD BEC 2006 and RRAD FLW 2006).
- 1975 - Ground scarring in area appears to be small borrowing pits (RRAD BEC 2006 and RRAD FLW 2006).
- 1980 - Ground scarring in area appears to be small borrowing pits (RRAD BEC 2006 and RRAD FLW 2006).
- 1995 - Area is vegetated.

2.3.2 August 2006 Aerial Photography Summation

Additional aerial photographs were reviewed in August 2006 for the ECP Report (ERI 2006). The aerial photography summation is presented below.

Aerial Analysis 1940

No RRAD facilities had been constructed in 1940 (ERI 2006).

Aerial Analysis 1953

Although the bulk of munitions were stored in earth-covered bunkers, revetted buildings, and open revetments, large numbers of crates were also stored in the open along roadways and rail spurs (ERI 2006).

Numerous ground-scarred areas and excavations, representing potential disposal/burial sites, were on the southeastern and southwestern sides of the munitions storage facilities (ERI 2006).

Aerial Analysis 1960

Indicators of potential disposal/burial, including ground scarring, excavations, and trenches, were visible within and around the munitions storage facilities at RRAD on this date. Additional features of cleared areas, graded areas, debris, and mounded material also indicate potential disposal/burial within and near the storage facilities. (ERI 2006)

Aerial Analysis 1968

Probable sludge was visible in excavations near the northwestern corner of the munitions storage facilities. Ground scarring, excavations, and other indicators of potential disposal/burial remained visible within and around the munitions storage facilities at RRAD on this date. (ERI 2006)

Aerial Analysis 1975

Ground scarring, excavations, and other indicators of potential disposal/burial remained visible within and around the munitions storage facilities at RRAD on this date (ERI 2006).



Aerial Analysis 1980

Ground scarring, excavations, and other indicators of potential disposal/burial remained visible within and around the munitions storage facilities at RRAD on this date (ERI 2006).

2.4 RECORDS REVIEW**2.4.1 Standard Environmental Record Sources**

A search of state and federal environmental databases was contracted with Environmental Data Resources, Inc. (EDR) to conduct an environmental regulatory database search of known underground storage tanks (USTs); landfills; hazardous waste generation or treatment, storage and disposal facilities; and subsurface contamination in the surrounding area. URS reviewed this information to assess if activities on or near the subject property would potentially threaten the environmental quality of the subject property. The findings of the search are summarized in **Table 2-4** and the complete list of databases reviewed by EDR and search results are presented in **Appendix D**.

Record(s) Source	Number of Sites	Minimum Search Distance
National Priorities List (NPL)	1	1.00 Miles
Proposed NPL	0	1.00 Miles
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)	1	0.50 Miles
CERCLIS No Further Remedial Action Planned (CERC-NFRAP)	0	0.25 Miles
Corrective Action Report (CORRACTS)	1	1.00 Miles
Resource Conservation and Recovery Act (RCRA) Treatment, Storage, and Disposal Facility (TSDF)	1	0.50 Miles
RCRA Large Quantity Generator (LQG)	1	0.25 Miles
RCRA Small Quantity Generator	0	0.25 Miles
Emergency Response Notification System (ERNS)	0	Target Property
State Hazardous Waste	0	1.00 Miles
State Landfill	0	0.50 Miles
Closed Landfill Inventory (CLI)	0	0.50 Miles
Leaking Petroleum Storage Tank Database (LTANKS)	0	0.50 Miles
UST	1	Target and Adjoining Property
USTs on Indian Land (INDIAN UST)	0	0.25 Miles
Texas Voluntary Cleanup Program (TX VCP)	0	0.50 Miles
Superfund (CERCLA) Consent Decrees (CONSENT)	0	1.00 Miles
Records of Decision (ROD)	1	1.00 Miles



**TABLE 2-4
STANDARD ENVIRONMENTAL RECORD SOURCES REVIEWED**

Record(s) Source	Number of Sites	Minimum Search Distance
Delisted NPL	0	1.00 Miles
Facility Index System/Facility Registry System (FINDS)	0	Target Property
Hazardous Materials Information Reporting System (HMIRS)	0	Target Property
Materials Licensing Tracking System (MLTS)	0	Target Property
Mines Master Index File (MINES)	0	0.25 Miles
Federal Superfund Liens (NPL Liens)	0	Target Property
PCB Activity Database System (PADS)	1	Target Property
Indian Reservations (INDIAN RESERV)	0	1.00 Miles
Uranium Mill Tailings Sites (UMTRA)	0	0.50 Miles
Engineering Controls Sites List (US ENG CONTROLS)	1	0.50 Miles
Open Dump Inventory (ODI)	0	0.50 Miles
Formerly Used Defense Sites (FUDS)	0	1.00 Miles
DOD	1	1.00 Miles
RCRA Administrative Action Tracking System (RAATS)	1	Target Property
Toxic Chemical Release Inventory System (TRIS)	0	Target Property
Toxic Substance Control Act (TSCA)	0	Target Property
Section 7 Tracking Systems (SSTS)	0	Target Property
Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA)/TSCA Tracking System (FTTS INSP)	1	Target Property
Aboveground Storage Tank Database (ASTD)	0	Target Property
Spills Database (TX SPILLS)	0	Target Property
Innocent Owner/Operator Program (IOP)	0	Target Property
Drycleaner Registration Database Listing (DRYCLEANERS)	0	0.25 Miles
Edwards Aquifer Permits (ED AQUIF)	0	Target Property
Notice of Violations Listing (ENF)	0	Target Property
Industrial and Hazardous Waste Database	0	Target Property
Commercial Hazardous and Solid Waste Management Facilities (WASTEMGT)	0	Target Property
Aerometric Information Retrieval System (AIRS)	0	Target Property
Coal Gas Sites (Coal Gas)	0	1.00 Miles
A Listing of Brownfields Sites (US BROWNFIELDS)	0	0.50 Miles
Sites with Institutional Controls (US INST CONTROL)	0	0.50 Miles
Brownfields Site Assessments (Brownfields)	0	0.50 Miles
Sites with Controls (AUL)	0	0.50 Miles

Source: EDR 2005



Adjacent properties to RRAD WEP, including RRAD, were identified on the RCRA-LQG, DOD Sites, Solid Waste Facility/Landfill Site, TRIS, FINDS, Industrial Hazardous Waste, AST, and UST databases. Information related to the databases is presented in **Appendix D**.

Based on surface drainage (**Section 3.5.3**) and groundwater flow information (**Section 3.5.5**), activities performed within the adjacent eastern areas of RRAD are not expected to present a potential environmental condition to the RRAD WEP. The RRAD WEP is located within the Big Creek drainage basin. Groundwater typically flows in the same direction as surface water. Due to this relationship, it is not likely that sources of potential contamination outside of the Big Creek drainage basin can migrate into it. The Big Creek drainage basin does not encompass areas outside of the RRAD WEP, but the majority of that area is used as igloo storage.

The EDR report included information on an additional 52 orphan facilities that were not mapped by EDR due to inadequate address information. URS has conducted additional research in an attempt to evaluate the approximate locations of the orphan facilities. The URS evaluation indicated that the unmappable facilities were either located beyond the approximate minimum search distance, or not located in the anticipated upgradient direction.

For information related to adjacent properties not identified by the Standard Environmental Record Sources refer to **Section 4.15**.

2.4.2 Additional Record Sources

Reasonably accessible Army environmental documents, county and city records, and aerial photographs of the property were reviewed to investigate land uses at the site. Local authorities were contacted to learn about historic uses of buildings and land on the site. Available information on past land uses and their potential impacts was assessed. Other documents and resources of historical importance that were used include:

- Readily available records and files documenting where hazardous materials are stored and used on site.
- A Chain of Title summary, prepared to document the historic use of the property. This inquiry reviewed recorded deeds, leases, mortgages, easements, and other appropriate documents. The methodology, data records, and title search information, which includes a land tract figure, are presented in **Appendix D**.
- Files at the United States Army Center for Health Promotion and Preventive Medicine (USACHPPM).
- Environmental documents and files at the United States Army Environmental Center (USAEC).
- Historical documents and maps at the National Archives and Records Administration (Fort Worth, Texas).
- Copies of permit applications.

Significant findings are summarized in **Section 4** of this report.



2.5 INTERVIEWS

To facilitate the review of RRAD WEP's environmental history and practices, interviews of current and former RRAD employees involved in operations were conducted as part of this ECP process. Similar interviews were also conducted with regulators and a contractor. To ensure the interview process was thorough, standardized interview forms were utilized where appropriate. Interview forms completed during the ECP process are included in **Appendix E**. **Table 2-5** lists the individuals who were interviewed.

TABLE 2-5 INTERVIEWS OF RRAD AND OTHER PERSONNEL				
Name	Title	Organization	Telephone Number	Period Associated With Area or Plant
Ross Ramsauer	Base Realignment and Closure (BRAC) Environmental Coordinator (RRAD BEC)	U. S. Army, RRAD	903-334-2594	1986 to Present
Tom Coleman	Pest Management Coordinator (RRAD PMC)	U.S. Army, RRAD	903-334-2361	1986 to Present
Larry Scrivner	Systems Analyst (RRAD SA)	U.S. Army, RRAD	903-334-3874	1974 to Present
Oren Hefley	Environmental Engineer (RRAD EE)	U.S. Army, RRAD	903-334-4761	2004 to Present
Benny Murry	Supervisor, Forestry Land and Wildlife (RRAD SFLW)	U.S. Army, RRAD	903-277-1284	1982 to Present
Jeff Gschwind	Cleanup Program Manager (RRAD CPM)	U.S. Army, RRAD	903-334-4984	1989 to Present
Terry Ruth	Forestry Land and Wildlife (RRAD FLW)	U.S. Army, RRAD	903-628-6833	1991 to Present
Wayne Elliot	Environmental Engineer (USACE RRAD PM)	U.S. Army Corps of Engineers (USACE)	817-886-1666	2000 to Present
Andrew Pagley	Fire Chief (RRAD FC)	U.S. Army, RRAD	903-334-3627	2004 to Present
Sheri Wade	Assistant Bioterrorism (BCHD AB)	Bowie County Health Department	903-798-3250	2004 to Present
Kathy Moore	Director (BCHD D)	Bowie County Health Department	903-798-3250	1992 to Present



TABLE 2-5 INTERVIEWS OF RRAD AND OTHER PERSONNEL				
Name	Title	Organization	Telephone Number	Period Associated With Area or Plant
Wayne Francis	Contractor General Manager (URS GM)	URS Group, Inc.	903-832-1943	2004 to Present

2.6 DATA MANAGEMENT

Data obtained during the ECP assessment were provided in an electronic and/or hard copy format. A complete list of documents is provided in **Section 7**. Hard copy documents were filed in the project central file for project number 16170064 located at the URS Omaha Office.



3.1 INSTALLATION LOCATION AND DESCRIPTION

RRAD is located in northeastern Texas, approximately 18 miles west of Texarkana, Texas, in central Bowie County. Bowie County is surrounded by Cass, Morris, and Red River Counties in Texas, and Miller and Little River Counties in Arkansas. The approximate center of the RRAD WEP is located at 33°25'58.63" North Latitude and 94°24'16.23" West Longitude.

The RRAD WEP covers approximately 3,835 acres of the total RRAD acreage of 18,316. Lone Star Army Ammunition Plant (LSAAP) is adjacent to RRAD to the east. Communities in the vicinity of RRAD include Hooks, Texas (population 2,973) to the northeast, New Boston, Texas (4,808) to the northwest, Redwater, Texas (872) to the southeast, and Maud, Texas (1,028) to the southeast (USCB 2006). A RRAD WEP site location map is provided as **Figure 1-3** in **Section 1**.

United States Highway 82 (East Avenue A in Hooks) runs east-west along the northern boundary of RRAD. Interstate 30 runs parallel to United States Highway 82 approximately one mile to the north of RRAD. State Spur 86 connects Highway 82 and Interstate 30 to the main gate, north of RRAD.

Major operational activities on RRAD include: maintenance and rebuild of military vehicles; demilitarization of out-of-specification ordnance; ammunition storage; maintenance, modification, and recertification of the Hawk, Chaparral, and Patriot missiles; tank track and road wheel rebuild; and rubber products maintenance. Currently, most of the acreage covered by RRAD is used for commercial forestry and ammunition storage. (USAEC 2005)

Active areas in the RRAD WEP consist primarily of 159 storage igloos. Forested areas in the RRAD WEP are currently harvested for timber. Inventory and sale marking are accomplished by contracting vendors. The actual harvesting is the responsibility of the purchaser. RRAD Forestry Division provides supervision, inspection, and harvest specifications for all harvest activities. Provisions are included in each contract to ensure that each vendor takes appropriate steps to comply with applicable best management practices to protect soil and water quality. (Tetra Tech 2006)

3.2 HISTORIC LAND USE

Prior to construction of RRAD, Bowie County was primarily comprised of rural communities of loosely clustered farmsteads. Railroad construction connected Bowie County to many commercial centers by 1874 and facilitated an increase in population. As the railroads expanded into the County, lumbering became an important industry. Saw mills in the RRAD area served as a source of employment when the land was purchased by the government in 1941. The main industries in the area were lumber and cotton and they continue to play a role in the economics of the region today. (Geo-Marine 1990)



3.3 FACILITY HISTORY

RRAD, established in 1941, was originally intended to serve only as an Army ammunition storage installation. Construction of 702 ammunition igloos and the depot’s administrative area on approximately 14,000 acres of land began in the fall of 1941. In 1942, the installation began additional missions that included the overhaul and modification of tanks, and shipment of tanks, artillery, and small firearms. In 1945, the LSAAP was incorporated with RRAD until 1951. (USAEC 2005)

Important events in the facility’s development, administration, and mission are summarized in **Table 3-1**.

TABLE 3-1 RRAD HISTORICAL SUMMARY	
Year	Description
1940s	The Fifth Supplemental National Defense Appropriation Act of Congress provided funds for the construction of RRAD and LSAAP. Initial construction was completed and the installations initially operated as separate facilities. RRAD’s mission was to supply and maintain ammunition. After World War II (WWII), LSAAP was incorporated into RRAD under the merged installation name of Red River Arsenal.
1950s	The Ordnance Unit Training Center (OUTC), which trained 3,700 interns, was closed. RRAD was named the designated assembly site for the Hawk missile system, and the repair and rebuild activity serviced 25 percent of the Army repair and rebuild needs.
1960s	The Army Supply and Maintenance Command was discontinued, and its functions were reassigned to the United States Army Materiel Command, which included RRAD and LSAAP.
1970s	RRAD began conversion of 5,000 M113 vehicles from gasoline to diesel power.
1980s	RRAD began the facility modernization program, which involved the light track vehicle facility, rubber operations facility, steam boiler plant, and bridge crane. RRAD completed conversion of the M113 vehicles and began camouflage-painting M113 vehicles. The Directorate of Ammunition Operations was established, making RRAD the only depot to have major missions in three areas: supply, maintenance, and ammunition. Activities included ammunition storage; renovation; demolition of conventional munitions; repair and storage of missile systems; and receipt and shipment of stock to worldwide customers. Funding for Phase I (site development) of three phases to construct the Central Distribution Center was approved, and construction was completed.
1990s	The 1995 BRAC commission realigned RRAD to remove maintenance missions, except those related to the Bradley Fighting Vehicle Series and Multiple Launch Rocket System (MLRS). The realignment removed from RRAD the workload associated with the M113 family of vehicles. The RRAD Restoration Advisory Board was developed to bring together citizens, regulators, and installation personnel to facilitate the required excessing and redevelopment of installation property into the private and community sector. RRAD began transferring the workload associated with the M113 family of vehicles to other activities. RRAD excessed 765 acres of improved property to Bowie County, through the Red River Redevelopment Authority (RRRA), under the BRAC action. A new tenant, the U.S. Army Reserves, which conducted tank maneuver training, began operations at RRAD.



TABLE 3-1 RRAD HISTORICAL SUMMARY	
Year	Description
2000-2006	Following the terrorist attacks on the World Trade Center and the Pentagon on September 11, 2001, RRAD provided substantial operational support for the Army missions in Afghanistan and Iraq. The Army mission included: 1) light-wheeled vehicle (HumV) maintenance, 2) new wheeled vehicle facility, 3) increased maintenance for the M2 Bradley Fighting Vehicles/MLRSs, and 4) intensive in-field support for operations in Iraq to retrofit the HumV. Security requirements have increased substantially since terrorist attacks and include several new fences, checkpoints, and heightened security measures.

Source: Tetra Tech 2006

3.3.1 Operational History

The current mission of RRAD is to:

- Conduct (light) ground combat and tactical systems sustainment maintenance operations, Air Defense Systems certification, and related support services worldwide for the United States Armed Forces and Allied/Friendly Nations;
- Train and employ the Army's Emerging Sustainment Maintenance Companies;
- Provide essential base support services to Red River Industrial Complex Missions; and
- Ammunitions storage and timber management on the RRAD WEP.

In addition, RRAD is an active and viable partner in Bowie County, the greater Texarkana community, and the four states area at large. RRAD is currently the Center of Industrial Technical Excellence for tactical wheeled vehicles, the Small Emplacement Excavator, Bradley Fighting Vehicle series, MLRS chassis, Patriot Missile re-certifications, and for rubber products. (USAEC 2005)

In 1941, the original construction authorization was for ammunition reserve storage. In December of 1942, RRAD became more than the intended reserve ammunition storage depot. In February 1944, a new mission statement added the stock control of general supplies, the administration of traveling repair crews, and numerous categories of ordnance material to be overhauled. When LSAAP was incorporated as a part of RRAD in 1945, plant facilities not placed on standby were then used for depot operations, particularly ammunition renovation and vehicle storage. In addition, RRAD was a depot for returned ammunition, performing inspection, reclassification, demilitarization, renovation and surveillance, as well as receipt, storage, and issue. (Nakata 1985)

The general supply mission and the maintenance mission, like the ammunition mission, have been expanded and diversified. Storage of strategic materials for the Treasury Department/GSA was added to the depot mission and RRAD was permanently assigned the general supply distribution mission in 1949 for the states of Texas, Arkansas, Louisiana, Oklahoma, and New Mexico, and overseas agencies. In 1959, RRAD was designated the assembly depot for M289 rocket launcher supplies and equipment for North Atlantic Treaty Organization Grand Aid



Recipients. Material repaired and rebuilt included transport and combat vehicles and assemblies, field artillery, vehicular mounts, fire control materials, small arms, tires, tubes, track suspension elements, and related components. (Nakata 1985)

By the time RRAD became an Army Depot under the Supply and Maintenance Command in 1962, the RRAD WEP had the following missions (Nakata 1985):

- Property accountability and stock control of the ordnance general supplies stored at the depot;
- Distribution of ordnance general supplies to Fourth Army installations (except those in El Paso, Texas) and overseas agencies;
- Distribution of ammunition controlled by the Ammunition Procurement and Supply Agency through the Forth Army Area;
- Distribution of key depot items to all Continental United States and overseas requisitioners;
- Reserve Storage of ordnance general supplies and ammunition and of GSA supplies;
- Processing returned ordnance general supplies and ammunition;
- Functionally packing small arms ammunition; and
- Performing ammunition surveillance.

By 1965, the following function was assigned to RRAD WEP:

- Increase procurement resources and capabilities for the purpose of providing procurement assistance to control points and commodity commands.

In 1965, the accountability responsibility for mission stocks was transferred to the appropriate national inventory control points. RRAD was designated as an Area Oriented Depot in 1974, resulting in RRAD being responsible for supplying all Army units in an 18-state area, South America, and Canada. (Nakata 1985)

In July 1995, the BRAC Commission recommended realigning RRAD by moving all maintenance missions associated with the M113 Tactical Vehicle Series to another depot. The installation retained its Bradley Fighting Vehicle Series maintenance missions, ammunition storage and surveillance mission, road wheel and track remanufacturing missions, Patriot and Hawk missile recertification mission, intern training center, civilian training, and rubber production facilities. A total of 765 acres were originally designated for transfer to the RRA. The water treatment plant, industrial waste treatment plant, sewer treatment plant, and high voltage electrical distribution system were privatized through BRAC in 2001 adding an additional 32 acres for transfer. Of the total 797 acres designated for transfer by BRAC 1995, approximately 104 acres remain to be transferred.

Six areas of historic activity have been recorded in the RRAD WEP, as indicated in **Table 3-2**.



TABLE 3-2 RRAD WEST EXCESS PROPERTY HISTORICAL ACTIVITY USE			
Area	Status	Use	Possible Contaminants
Northwest Surveillance Function Test Range (RRAD-008-R-01)	Closed	Approximately 22 acres. Used to test pyrotechnics, smoke pots, selected grenades, grenade fuzes, and anti-personnel mines for stockpile reliability. The range operated from 1953 to 1960. Munitions debris could be found on the range, but explosives contamination is not expected.	Unexploded Ordnance (UXO). Munitions debris could be found on the surface but soil sample results indicated that munition constituent (MC) concentrations were below action levels.
Southwest Surveillance Function Test Range (RRAD-009-R-01)	Closed	Approximately 40 to 106 acres. Used to test pyrotechnics, smoke pots, selected grenades, grenade fuzes, and antipersonnel mines for stockpile reliability. The range operated from the late 1940s into the 1980s. Old test devices, a protective test shelter, and a storage building (Building 850) are located on this range.	UXO. Munitions debris was found on the surface but soil sample results indicated that MC concentrations were below action levels.
OTC Landfill (OTC Burial Site, RRAD-04)	Inactive	From 1942 to approximately 1982, there were several different uses for this site. It was a sewage treatment plant, an industrial waste batch treatment plant, a drum storage area, and finally a landfill. From 1977 to 1982, four burial sites received containerized compounds, including solvents, pentachlorophenol, and heavy metals. Closure of this RCRA-regulated unit was accomplished by installing a RCRA cap over the entire site in 1985.	Volatile organic compounds (VOCs) and heavy metals. VOCs and heavy metals were released to the groundwater at the site.
Area A Storage Igloos	Active	Ninety-seven igloos in the RRAD WEP built in 1942 to store finished munitions.	MC. Low possibility of trace concentrations of explosives.
Portion of Area B Storage Igloos	Active	Six igloos in the RRAD WEP built in 1942 to store finished munitions.	MC. Low possibility of trace concentrations of explosives.
Portion of Area C Storage Igloos	Active	Fifty-six igloos in the RRAD WEP built in 1942 to store finished munitions.	MC. Low possibility of trace concentrations of explosives.

Source: USAEC 2005, USATCES 2006, EEM 2006.

3.3.2 Process Descriptions (Industrial Facilities Only)

There are no industrial facilities or production and demilitarization activities in the RRAD WEP.

3.3.3 Occupancy, Lease, and Easement History

There are no licenses, mineral rights or other reservations, limitations, or restrictions on the ownership of any of the land within the RRAD WEP boundaries, with the exception of one cemetery. There is no property within the RRAD WEP that is included in the electrical, water, sanitary sewer, and industrial wastewater facilities easement. (URS GM 2006)



3.3.4 Range Operations

RRAD has approximately 169 acres designated as ranges and training areas. Up to approximately 128 acres of closed ranges fall within the RRAD WEP and are addressed under the MMRP. The ranges are presented in **Table 3-3**.

Range	Status	Acreage	Current Use	Historic Use
Northwest Surveillance Function Test Range (RRAD-008-R-01)	Closed	Approx. 22	None	Used to test pyrotechnics, smoke pots, selected grenades, grenade fuzes, and antipersonnel mines for stockpile reliability. The range operated from 1953 to 1960.
Southwest Surveillance Function Test Range (RRAD-009-R-01)	Closed	Approx. 40 to 106	None	Used to test pyrotechnics, smoke pots, selected grenades, grenade fuzes, and antipersonnel mines for stockpile reliability. The range operated from the late 1940s into the 1980s.

Source: USAEC 2005, USATCES 2006, EEM 2006.

3.4 INSTALLATION UTILITIES (HISTORIC AND CURRENT)

3.4.1 Water Systems

The water systems were privatized in 2002 and are currently managed by RRA (URS GM 2006). There are no water utilities within the RRAD WEP.

3.4.2 Industrial and Sanitary Sewers and Treatment Plants

The industrial and sanitary sewers and treatments plants were privatized in 2002 and are currently managed by RRA (URS GM 2006). There are no sewer or treatment plants within the RRAD WEP.

3.4.3 Stormwater System

The majority of stormwater at the RRAD WEP flows predominantly south through numerous creeks and intermittent streams located across the depot (Woodward-Clyde 1996). These creeks and intermittent streams eventually empty into Big Creek, which exits RRAD to the south. A map of the drainage system is presented on **Figure 3-1**. Additional information regarding the stormwater permit and the stormwater pollution prevention plan is found in **Section 4.1.4**.

3.4.4 Electrical System

The electrical system was privatized in 2001 and is currently managed by RRA (URS GM 2006). There are no electric utilities within the RRAD WEP.



3.5 ENVIRONMENTAL SETTING – NATURAL AND PHYSICAL ENVIRONMENTS

The following sections summarize the RRAD WEP climate, topography, surface water hydrology, geology, and demographics.

3.5.1 Climate

RRAD WEP is in a transitional zone between the subtropical humid climate prevalent further south and the continental climate of the Great Plain and Midwest. Winters are normally mild with freezing temperatures occurring on an average of 35 days per year, while summers are hot and humid with temperatures exceeding 90 degrees Fahrenheit (°F) on an average of 89 days per year. (Woodward-Clyde 1996)

Typically, humidity ranges from 50 percent in the pre-dawn hours to 60 percent in the afternoon (Woodward-Clyde 1996). The average precipitation at RRAD WEP is approximately 51 inches per year. The heaviest rainfall occurs in association with frontal systems that pass through during winter months. Snowfall is rare, with an average of 1 to 2 inches per year. Prevailing winds are out of the south during all months except September, when they are predominantly from the east (Woodward-Clyde 1996).

Severe local storms, including hail storms and tornadoes, are most frequent in the spring, with a secondary peak from late November through early January. Hurricanes usually dissipate before they reach the area, with the greatest damage caused by heavy rainfall rather than winds (Woodward-Clyde 1996). Monthly precipitation and temperature parameters for Texarkana, Texas are presented in **Table 3-4**.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Average High	53°F	58°F	67°F	75°F	82°F	89°F	93°F	93°F	86°F	77°F	64°F	55°F
Average Low	31°F	34°F	42°F	50°F	60°F	68°F	72°F	71°F	64°F	52°F	41°F	33°F
Mean	42°F	46°F	55°F	63°F	71°F	79°F	83°F	82°F	75°F	65°F	53°F	44°F
Record High	81°F	90°F	89°F	95°F	98°F	101°F	105°F	106°F	108°F	95°F	86°F	80°F
Record Low	3°F	8°F	15°F	28°F	40°F	52°F	57°F	55°F	38°F	27°F	16°F	-6°F
Average Precipitation	3.91 inches	3.80 inches	4.46 inches	4.23 inches	4.97 inches	4.82 inches	3.62 inches	2.41 inches	3.77 inches	4.61 inches	5.69 inches	4.95 inches

Source: USWS 2006

3.5.2 Topography

The land area of the RRAD WEP ranges in elevation from 290 feet above sea level (asl) along the southern boundary to 350 feet asl in the northeastern corner. The topography of the depot is very flat to the north and develops into slightly rolling terrain to the south. An estimated 75 percent of the installation has a slope between one and six percent. Occasionally slopes near streams range up to 12 percent, but these steep slopes are rare. Slopes greater than 12 percent do



not occur (Woodward-Clyde 1996). A topographic map of the RRAD WEP is presented as **Figure 3-2**.

3.5.3 Surface Water Hydrology

The Sulphur River is approximately 17 miles south of the RRAD WEP's southern border, and Red River is approximately 6 miles to the north of the RRAD WEP's northern border. Wright Patman Lake is located approximately 9 miles southeast of the RRAD WEP. The Caney Creek Reservoir is approximately 4 miles east of the southeastern corner of the RRAD WEP.

The RRAD WEP is located in the watershed of the Sulphur River, near a watershed divide; therefore, flooding is not a significant concern (Woodward-Clyde 1996). However, areas of the RRAD WEP are within the 100-year floodplain for Big Creek and its tributaries, as presented on **Figure 3-1** (FEMA 2006). Minor flooding damage has occurred along Big Creek but no damage was reported to any material or structures at the depot (Woodward-Clyde 1996). Surface drainage in the RRAD WEP is toward the south in a typical dendritic pattern. This drainage pattern is characteristic of the Sulphur River basin. (Woodward-Clyde 1996)

Several small streams and one large creek flow within the RRAD WEP boundaries, as presented on **Figure 3-1**. All of the small streams are intermittent tributaries of Big Creek. Big Creek becomes perennial less than 1 mile downstream from the northern border of the RRAD WEP. Big Creek flows for 3.5 miles from the northern border of the RRAD WEP to the southern border. After leaving the RRAD WEP, Big Creek continues flowing south and then east for approximately 9 miles before flowing into Wright Patman Lake.

Historically, Big Creek was degraded by effluent from treatment of concentrated chromate and alkali sludges in the former OTC Landfill (OTC Burial Site, RRAD-04). High levels of acidity, and high concentrations of phosphates, nitrate/nitrite, and sulfates were also reported. The potential for toxic levels of iron, zinc, chromium, and lead also exists. (USATHAMA 1978) This site is no longer used for wastewater treatment.

Surface water sampling has been conducted in Big Creek near the OTC Landfill (OTC Burial Site, RRAD-04). No VOCs or RCRA metals were detected in six surface water samples. However, based on analysis of groundwater levels, there appears to be a stable piezometric high located approximately 10 feet underneath Big Creek, tapering to the east and west of the channel. This leads to the conclusion that Big Creek is an influent channel, feeding the water table. Therefore, it is unlikely that contamination from the OTC Landfill (OTC Burial Site, RRAD-04) is able to enter Big Creek via groundwater transport. (Parsons 2000)

There are nine unnamed ponds on the RRAD WEP. None of these surface water bodies are significant, but those found in the northern part of the RRAD WEP may be associated with wetlands (see **Section 3.6.1.4**).

There are no permitted surface water discharge points in the RRAD WEP. The city of New Boston, Texas has a municipal wastewater outfall just upstream from RRAD property. The wastewater from this outfall travels across the RRAD WEP into Big Creek. The location of this



outfall is presented on **Figure 3-3**. Historically, discharge from this outfall was responsible for high concentrations of coliform bacteria and biochemical oxygen demand in waters leaving the depot (USATHAMA 1978). There is no current information concerning discharge contamination from the New Boston municipal wastewater outfall on RRAD WEP.

3.5.4 Geology

The RRAD is located in the West Gulf Coastal Plain section of the United States Coastal Plain Physiographic Province. Formations within the Gulf Coastal Plain thin landward and form belts parallel to the coast. Resistant formations form ridges within the province, and easily eroded formations form valleys. (USACE 1998)

The geologic strata of the Red River area consists of clays, sandy clay, silt, and sand deposited during the Late Cretaceous, Tertiary, and Quaternary periods. Exposures of the Tertiary period, Eocene age sedimentary rocks belonging to the Midway and Wilcox Groups, are common in Bowie County. The groups outcrop at the surface or underlie RRAD. In the vicinity of RRAD, these rocks strike essentially east-west and dip gently to the south. The older Midway Group outcrops in the northern portion of RRAD, while the younger Wilcox Group outcrops in the southern portion of RRAD. Small, isolated patches of Quaternary fluvial terrace deposits and recent alluvium also outcrop at RRAD. (Woodward-Clyde 1996)

The Midway Group is characterized by gray to yellow gray, silty clay which, when weathered, forms gently rolling terrain. The total thickness of the Midway Group may exceed 600 feet. The Wilcox Group consists primarily of buff to gray silty to sandy clay, sand, and silt, and although it probably does not exceed 100 feet in thickness at RRAD, it can be as much as 700 feet thick. Local cross bedding and calcareous siltstone and carbonaceous layers are common in the Wilcox Group. Upon weathering, the more resistant rocks of the Wilcox Group result in a more pronounced sloping topography. The difference in rates of erosion between the Midway and Wilcox Groups produces the east-west topographic ridge that forms the drainage divide between the Red River and Sulphur River Basins on RRAD. (Woodward-Clyde 1996)

Recent alluvium at RRAD includes point bar, natural levee, stream channel, backwater, and nondescript terrace deposits generally associated with present day creeks. The alluvium typically consists of clay, silt, sand, and organic matter. The deposits are discontinuous and generally trend northwest to southeast in the southern portion and east-northeast to west-southwest in the northern portion of RRAD. (Woodward-Clyde 1996)

Soil and subsoil in the RRAD range from a brown silty loam to a yellowish silty loam with red and gray mottling near the surface, grading into a brown clay at depths of 80 inches or more. Permeability in these soils is low and water capacity is high, resulting in soils with a high shrink-swell potential. (Woodward-Clyde 1996)

RRAD has three major soil associations within its boundaries:



- Sawyer-Eylau-Woodtell Association: gently sloping soils on uplands; moderately well drained; loamy soils with a low permeability. These soils are found along the southern side of RRAD. (Woodward-Clyde 1996)
- Annona-Alusa Association: nearly level soils on uplands; somewhat poorly drained; loamy soils with a very low permeability. These soils are the most extensive on the depot and are found on level upland areas on the north-central and northeast end of the depot. The developed area is underlain by the soil association. (Woodward-Clyde 1996)
- Sardis-Thenas Association: deep, poorly to moderately well drained; loamy soils formed in alluvial sediment in floodplains. These soils are found along the principal stream bottoms on RRAD along Rock, Big Caney, and Panther Creeks. (Woodward-Clyde 1996)

3.5.5 Hydrogeology

Groundwater flow is generally in the same direction as surface water at areas underlain by the Midway or Wilcox Groups. Depth-to-groundwater is usually shallow, ranging from near ground surface along creek bottoms to approximately 25 feet along ridge lines. Vertical permeabilities of the soil are low and vary with location and depth. The permeability of the Midway Group has been calculated to be between 8.2×10^{-7} and 1.08×10^{-8} centimeters per second (cm/sec). The permeability of the Wilcox Group is estimated to range from 4.0×10^{-5} to 3.4×10^{-6} cm/sec. These permeabilities correlate well with the recorded geology; the Midway Group is mostly clay, and the Wilcox Group has a mix of sand, silt, and clay. (Woodward-Clyde 1996)

Groundwater flows through the Quaternary terrace deposits is toward areas of discharge, such as excavations or streams. Hydraulic conductivities within these coarse-grained terrace deposit soils range from 4×10^{-4} and 6×10^{-5} cm/sec, which is much higher than those found in the Midway Group and similar to slightly greater than those for the Wilcox Group. (Woodward-Clyde 1996)

Based on the quantity of water supplied, the Texas Water Development Board has identified nine major and 20 minor aquifers in the state. Using this classification, aquifers in the vicinity of RRAD include the Carrizo-Wilcox Aquifer, a major aquifer within the Tertiary Wilcox Group, and the Nacatoch Aquifer, a minor aquifer within the Cretaceous sands. Locally, the formations forming the aquifers generally strike east and dip to the south. (Woodward-Clyde 1996)

The water from the Carrizo-Wilcox Aquifer is fresh to slightly saline and hard. Irrigation and municipal water supplies account for 51 percent and 35 percent, respectively, of total pumpage from the Carrizo-Wilcox Aquifer. In the northeast part of the state, near RRAD, water levels in the aquifer have been declining (Woodward-Clyde 1996). Depth to this aquifer ranges from near surface to 25 feet below land surface (bls) in the RRAD WEP. Groundwater at RRAD is categorized as Class III. Class III groundwater is generally not considered suitable for consumption by humans, and therefore require exposure control measures only if Protective Concentration Levels are exceeded. Non-Aqueous Phase Liquids must still be removed (GSI 1997).



Water from the Nacatoch Aquifer is generally alkaline and soft. Water levels in the Nacatoch Aquifer were declining as a result of pumpage, but have begun to stabilize as a result of conversion to surface water. (Woodward-Clyde 1996)

There are 53 known monitoring wells located around the OTC Landfill (OTC Burial, RRAD-04). Twenty-two of these are active monitoring wells located around the perimeter and to the east of the OTC Landfill (OTC Burial Site, RRAD-04), as presented on **Figure 3-4**. The remaining 31 monitoring wells around the OTC Landfill (OTC Burial Site, RRAD-04) were plugged in June 2006. There may be additional wells in this area that are not part of the monitoring network or scheduled to be plugged. (USACE 2006b)

3.5.6 Demography and Land Use

RRAD's current land use pattern was established when the depot was built in the early 1940s. The depot's original mission was ammunition storage, which required a large amount of open space for quantity-distance safety zones. Most of the RRAD WEP is still used for munitions storage. (USACE 1998)

The RRAD WEP lies wholly within Bowie County, Texas. The county has no zoning or land use regulations that could directly influence its pattern of future development. Since no land use planning guidelines or regulations exist, other indirect factors influence growth. These include highways and primary access ways, utility networks, and speculative land holdings that are presently undeveloped or less intensively used (e.g., agriculture). (USACE 1998)

Although most of Bowie County is considered rural, some farmland is being converted for urban uses in the cities near RRAD, specifically in Texarkana, Texas and Texarkana, Arkansas. Large-scale encroachment is not a problem for the depot since the greatest demand for residential development is generally confined to the suburban fringes of Texarkana. Land immediately adjacent to the depot consists of residential and commercial uses on the northern boundary (Cities of Hooks to the northeast and New Boston on the northwest corner). (USACE 1998)

3.6 BIOLOGICAL AND CULTURAL RESOURCES SUMMARY

3.6.1 Biological Resources and Consultations

RRAD has an Integrated Natural Resource Management Plan (INRMP) in place (Tetra Tech 2006). Information in the INRMP is summarized in the following sections and is applicable to RRAD WEP.

3.6.1.1 *Vegetation*

RRAD is located in an oak-pine, broadleaf, deciduous, and needle green-evergreen forest, comprised of primarily loblolly-short-leaved pine, pine-hardwood, and mixed hardwood associations. Loblolly-short-leaved pine associations occur primarily on the depot on gravel ridges, slopes, and areas previously cleared, cultivated, or machine planted. The pine-hardwood association occurs on ridges, slopes, and bottomlands cultivated prior to the development of



RRAD. The mixed hardwood association occurs in undisturbed bottomlands of creeks and drains and in areas that are not well drained. (Tetra Tech 2006)

Dominant tree species include red maple, black hickory, southern hackberry, persimmon, sweetgum, short-leafed pine, loblolly pine, southern red oak, and post oak. Common shrub species found at RRAD include the American beauty berry, hawthorne, sumac, blackberry, and huckleberry tree. Common grass species include longleaf uniola, purple top, little bluestem, and broomsedge. Most grasses are located along roadsides, utility easements, demolition grounds, production facilities, training areas, and food plots. Maintained areas surrounding the buildings in the developed areas are also grassed. (Tetra Tech 2006) Vegetative cover for RRAD is shown on **Figure 3-5**.

3.6.1.2 Wildlife

Several species of mammals are common on RRAD, including white-tail deer, gray squirrel, fox squirrel, raccoon, bobcat, skunk, and armadillo. Common reptiles found at RRAD include the cottonmouth, copperhead, diamondback rattlesnake, box turtle, and snapping turtle. Amphibians include the Texas salamander, siren, great plain narrow-mouthed toad, and bullfrog. (Tetra Tech 2006)

There are also over 400 species of birds that may frequent RRAD. Migratory waterfowl passing over the Mississippi Valley migration route use RRAD as a temporary refuge. Game birds found on site include the mourning dove, wild turkey, and bobwhite quail. Other birds that have been recorded to use RRAD include the eastern bluebird and green heron. Several raptor species forage on depot property, including American kestrel, red-tailed hawk, and red-shouldered hawk. (Tetra Tech 2006)

3.6.1.3 Protected Species

No federally-listed or state-listed threatened and endangered plant species are known to occur at RRAD.

The alligator snapping turtle (*Macrolemys temminckii*), a state-listed threatened species, was the only observed federally- or state-listed species during a planning level survey in 2000 at the depot. The INRMP lists the American alligator (*Alligator mississippiensis*) as a federally-listed threatened species known to occur at RRAD. However, the American alligator was delisted in 1987, although the legal trade of alligator skins is still regulated by the United States Fish and Wildlife Service (USFWS). There are no other state or federally listed threatened and endangered species known to be present on RRAD. (Tetra Tech 2006)

The only other federally listed species that may occur in the area are the threatened bald eagle (*Haliaeetus leucocephalus*), endangered interior least tern (*Sterna antillarum*), red-cockaded woodpecker (*Picoides borealis*), and threatened Louisiana black bear (*Ursus americanus*). Other state-listed bird species that may migrate through the area include the endangered American peregrine falcon (*Falco peregrinus anatum*) and the threatened arctic peregrine falcon (*Falco*



peregrinus tundruis). **Appendix F** provides a listing of the threatened and endangered species observed or potentially occurring in Bowie County, Texas. (Tetra Tech 2006)

3.6.1.4 Wetlands

A wetlands inventory survey was performed at RRAD by the USFWS in 1997 and 1998. This wetlands survey found that there are approximately 2,500 acres of wetlands and deepwater habitats at RRAD (**Figure 3-6**). Forested wetlands comprise about 88 percent of RRAD wetlands with deciduous forested wetlands being the most common habitat type. At RRAD, about six percent of the wetlands are shrub/emergent wetlands and four percent are scrub-shrub habitats. Approximately one percent of the wetlands are emergent and less than one percent are ponds. (Tetra Tech 2006) **Table 3-5** lists wetland acreages by habitat type for RRAD.

No work has been conducted to delineate jurisdictional wetlands from the total. In an Information Paper on Wetlands at RRAD dated 23 April 1998, it was determined that development of the RRAD WEP will require a delineation study to determine the extent of wetlands. Additionally, the mitigation of the wetlands will be required if they are to be disturbed (Tetra Tech 2006). Project-specific field delineations, consistent with current USACE protocols for determining the presence of jurisdictional wetlands, must be conducted prior to implementing activities that could potentially impact wetlands.

Wetland Type	Acreage	Wetland Type	Acreage
Aquatic Bed	0.6	Evergreen Forested	551.4
Emergent	26.8	Mixed Forested	64.8
Deciduous Scrub-Shrub	7.0	Forested – Cypress	1.1
Evergreen Scrub-Shrub	100.3	Forested – Dead	2.2
Mixed Shrub/Emergent	155.9	Unconsolidated Bottom/Shore (ponds)	24.2
Deciduous Forested	1,618.8		
Total			2,553.1

Source: Tetra Tech 2006

3.6.1.5 Consultations (Section 7 Formal or Informal)

Under provisions of Section 7 of the Endangered Species Act, a Federal agency that permits, licenses, funds, or otherwise authorizes activities must consult with the USFWS when appropriate to ensure that its actions will not jeopardize the continued existence of a listed threatened or endangered species or a designated critical habitat. During the updating of the INRMP, RRAD had consulted with USFWS in a 15 June 1998 letter concerning possible federally listed threatened and endangered species. In a letter dated 22 July 1998, USFWS documented that suitable habitat for the bald eagle may exist in and around RRAD and should be considered during the planning of future actions (USFWS 1998). The draft INRMP was prepared in coordination with the USACE, the USFWS, and the Texas Parks and Wildlife



Department (TPWD). The draft document was then submitted to these agencies and the public for review and comment.

In addition, the USFWS, TPWD, and RRAD maintain a cooperative agreement in regards to fish and wildlife resource management. This agreement states the responsibilities of each agency in carrying out the implementation of the INRMP, and sets a framework for future cooperation.

3.6.2 Cultural Resources and Consultations

A current Integrated Cultural Resources Management Plan is maintained at RRAD (Tetra Tech 2005). Approximately 340 to 350 acres of RRAD remains to be surveyed for cultural resources (**Figure 3-7**). Approximately 183 acres of the 340 to 350 unsurveyed acres are located in the far western edge of Area C within the RRAD WEP (USATCES 2006). Culturally surveyed acres at RRAD have not been inventoried to determine archaeological significance (RRAD PMC 2006).

3.6.2.1 *Historic Resources*

A cultural resource survey concluded there are currently no architectural properties or archaeological sites on RRAD formally nominated to or included in the National Register of Historic Places (NRHP). Further discussion of archaeological sites is found in **Section 3.6.2.2**.

3.6.2.2 *Archaeological Sites*

Several archaeological investigations have been conducted within RRAD, including intensive and point surveys. The earliest survey was conducted in 1980, while the most recent investigation was completed in 1998. A total of 128 archaeological sites have been recorded within the surveyed areas of RRAD, of which 29 are located within the RRAD WEP. All 128 archaeological sites have been coordinated with the Texas State Historic Preservation Office (SHPO). RRAD and the Texas SHPO have concurred that 88 of the archaeological sites are not eligible for the NRHP, and that the remaining 40 sites should be protected from further disturbance until further testing to determine NRHP eligibility can be planned or completed. Of the remaining 40 sites of unknown eligibility, nine are located within the RRAD WEP. (Tetra Tech 2005)

Within the RRAD WEP, 27 archaeological sites were recorded in January 1989 and two additional sites were recorded in 1990 (29 total). These consist of single component historic or prehistoric resources, as well as multi-component resources. Five sites are prehistoric, 20 sites are historic, and four sites have both historic and prehistoric component findings. The 29 cultural resources found in the RRAD WEP are presented in **Table 3-6**. (Tetra Tech 2005)



TABLE 3-6 RRAD WEST EXCESS PROPERTY CULTURAL RESOURCES				
Site	Prehistoric (P), Historic (H), or Both (B)	Year Recorded	NHRP Eligibility	Site and Artifact Findings Summary
41BW211	P	1989	Not Eligible	Three shovel tests yielded four pieces of lithic debris (two whole flakes, one broken flake, and one piece of shatter). This site appears to represent a lithic reduction area with only minimal indication of cultural activity evident.
41BW265	P	1989	Unknown	Four shovel tests yielded lithic debris (three from designated Area A, and one from designated Area B).
41BW308	P	1989	Unknown	Three shovel tests yielded eight pieces of shatter and a single ceramic sherd, indicating an occupation of the site subsequent to the Archaic period.
41BW313	P	1989	Unknown	Four shovel tests yielded cultural materials including two flakes, two pieces of shatter, two retouched pieces, a ceramic sherd, and a Gary dart point. The presence of the single sherd would place at least part of the occupational history of the site subsequent to the Archaic period.
41BW314	P	1989	Unknown	Five shovel tests yielded cultural materials including four flakes, nine pieces of shatter, one retouched piece, a large rock, and a single sherd. The presence of the single sherd would indicate the occupational history of the site subsequent to the post-Archaic period.
41BW212	H	1989	Not Eligible	Information not complete for site 41BW212. Artifacts present include wire, manganese glass, metal, bricks, and stoneware. Artifactual material recovered indicates an occupational period from 1880 to 1920.
41BW257	H	1989	Not Eligible	One shovel test yielded cultural material which included a few glass fragments. Artifactual material noted on the surface includes metal fragments, sheet metal, washtubs, plain whiteware, and a plow share. Artifactual material recovered indicates an occupational period from 1900 to 1940.
41BW258	H	1989	Not Eligible	Two shovel tests yielded cultural material which indicated occupational period from 1900 to 1940. Artifactual material noted on the surface includes two pieces of plain whiteware.
41BW259	H	1989	Not Eligible	Five shovel tests yielded cultural materials which indicated occupational period from 1880 to 1915. Artifactual material noted on the surface includes washtubs, enamel covered pans, snuff jars, and sheet metal.



SECTION THREE

Property Description

TABLE 3-6 RRAD WEST EXCESS PROPERTY CULTURAL RESOURCES				
Site	Prehistoric (P), Historic (H), or Both (B)	Year Recorded	NHRP Eligibility	Site and Artifact Findings Summary
41BW261	H	1989	Unknown	Three shovel tests yielded cultural materials including nails, unidentifiable stoneware of clear glass, and one sherd of brown glass. Artifactual material noted on the surface includes washtubs, whiteware, stoneware, milk glass, and a paint bucket. Artifactual material recovered indicates an occupational period from 1880 to 1940.
41BW262	H	1989	Not Eligible	Two shovel tests yielded cultural materials with the presence of surface artifactual scatter including snuf bottles, sheet metal, a cast iron kettle, stoneware, whiteware, fence wire, and several washtubs. Artifactual material recovered indicates an occupational period from 1880 to 1920.
41BW263	H	1989	Not Eligible	Three shovel tests yielded cultural materials with the presence of surface artifactual scatter including canning jar glass, metal fragments, stoneware, machine parts, and balls of wire. Artifactual material recovered indicates an occupational period from 1900 to 1940.
41BW264	H	1989	Not Eligible	Two shovel tests yielded a sparse amount of historic materials. Observed surface materials included various refined earthenware (13) and a tin rain gutter, which indicate occupation between 1880 and 1920.
41BW287	H	1989	Not Eligible	Four shovel tests yielded artifacts including glass, brick, stoneware, wire nails, refined earthenware, and porcelain. One historic feature, an intact mortared brick feature (possibly a chimney base or structural pier), was observed on the site along with historic artifacts scattered around the surface of the site (enamelware pitcher, metal washtub, and a machine-made bottle). Artifactual material recovered indicates an occupational period from 1880 to 1920.
41BW288	H	1989	Not Eligible	Hays Cemetery (approximately 270 square feet (sf) in area). Estimated 10 individuals buried.
41BW289	H	1989	Unknown	Three shovel tests yielded artifacts including nails, glass, ceramics, refined earthenware, and cut nails, which indicate a wide range of occupation, from 1850 to 1920. Large quantities of artifacts were recovered from the surface.
41BW303	H	1989	Not Eligible	One shovel test yielded artifacts including 12 pieces of asphalt. An occupational period could not be assigned due to the lack of any temporary diagnostic artifacts recovered.



TABLE 3-6 RRAD WEST EXCESS PROPERTY CULTURAL RESOURCES				
Site	Prehistoric (P), Historic (H), or Both (B)	Year Recorded	NHRP Eligibility	Site and Artifact Findings Summary
41BW304	H	1989	Not Eligible	Two shovel tests yielded artifacts including glass and whiteware sherds, brick fragments, wire nails and a nut. Artifactual material recovered indicates an occupational period from 1880 to 1920.
41BW306	H	1989	Not Eligible	Four shovel tests yielded artifacts including glass and whiteware sherds, a nail, and brick fragments. Artifacts were also visible on the ground surface. Artifactual material recovered indicates an occupational period from 1880 to 1920.
41BW307	H	1989	Not Eligible	Three shovel tests yielded artifacts including glass and whiteware sherds, and brick fragments. Artifacts also visible on the ground surface included bottle glass, stoneware, whiteware sherds, old metal, and two rolls of rusting barbed wire. Artifactual material recovered indicates an occupational period from 1920 to 1940.
41BW309	H	1989	Not Eligible	Three shovel tests yielded limited artifacts which included three wire nails. Numerous artifacts also visible on the ground surface included glass and whiteware sherds, two galvanized washtubs and a bottle. Artifactual material recovered indicates an occupational period from 1880 to 1940.
41BW310	H	1989	Not Eligible	Two shovel tests yielded artifacts. Artifacts also visible on the ground surface included glass, metal, stoneware, whiteware and reflector fragments. Artifactual material recovered indicates an occupational period from 1880 to 1940.
41BW312	H	1989	Unknown	Three shovel tests yielded artifacts including glass and whiteware sherds, wire nails, and miscellaneous metal. Artifactual material recovered indicates an occupational period from 1880 to 1900.
41BW440	H	1990	Not Eligible	Two shovel tests recovered three historic artifacts. This material included one sherd of manganese bottle glass (1880 to 1920), one sherd of brown bottle glass, and a piece of unknown metal. Artifactual material recovered indicates an occupational period from 1880 to 1920.
41BW441	H	1990	Not Eligible	Three shovel tests yielded 23 artifacts including five pieces of glass, seven pieces of metal, five pieces of building material, and six pieces of miscellaneous hardware and domestic items. Dates of artifacts were estimated from 1840 to the present.



TABLE 3-6 RRAD WEST EXCESS PROPERTY CULTURAL RESOURCES				
Site	Prehistoric (P), Historic (H), or Both (B)	Year Recorded	NHRP Eligibility	Site and Artifact Findings Summary
41BW209	B	1989	Unknown	Two shovel tests yielded historic artifacts. Artifacts also visible on the ground surface included canning jar glass, metal cans, washtubs, wire mesh, bottle glass and brick (machine pressed). Artifactual material recovered indicates an occupational period from 1890 to 1920. Two pieces of lithic shatter were also recovered from a shovel test indicating a prehistoric presence.
41BW210	B	1989	Not Eligible	Three shovel tests yielded historic artifacts. Artifacts also visible on the ground surface included a scatter of alcohol bottles (screw top) and a washtub. Artifactual material recovered indicates an occupational period from 1890 to 1940. Two pieces of lithic shatter were also recovered from a shovel test indicating a prehistoric presence.
41BW305	B	1989	Not Eligible	Two shovel tests yielded artifacts including glass and whiteware sherds, wire nails, miscellaneous metal, and coal. Artifacts also visible on the ground surface included galvanized washtubs and buckets and rusted metal cans. Artifactual material recovered indicates an occupational period from 1880 to 1920. One small flake was also recovered from a shovel test indicating a prehistoric presence.
41BW311	B	1989	Unknown	Two shovel tests yielded historic artifacts. Artifacts also visible on the ground surface included canning jar glass, metal cans, washtubs, wire mesh, bottle glass, and brick (machine pressed). Artifactual material recovered indicates an occupational period from 1840 to 1880. Two pieces of lithic shatter were also recovered from a shovel test indicating a prehistoric presence.

Sources:
Tetra Tech 2005
Geo-Marine 1990
Geo-Marine 1994

Six cemeteries are present within RRAD. Only one, the Hays Cemetery, is located within the RRAD WEP, in the far southwestern corner of RRAD. The cemetery is approximately 270 sf in area and has an estimated 10 individual burial plots. Cemeteries do not ordinarily qualify for inclusion on the NRHP but exceptions are made for cemeteries that derive their primary significance from extreme antiquity, distinct design, graves from famous persons, or association with significant historic events. Hays Cemetery is of the late nineteenth century and is rural vernacular in design. No famous persons are known to be buried at Hays Cemetery and no important historic event is associated with the cemetery. As a consequence, Hays Cemetery is not eligible for inclusion on the NRHP. (Tetra Tech 2005)



A study and inventory to comply with the Native American Graves Protection and Repatriation Act was completed at RRAD in 1995. No human remains or funerary objects were found. The study noted that possible objects of cultural 'patrimony' may be present and suggested that RRAD initiate consultation to determine if any repatriation is required. RRAD did initiate consultation and received no significant response from potentially concerned Native American tribes and groups. Further, Executive Order 13007 (24 May 1996) establishes the responsibility of Federal agencies to allow access to and the usage of sacred Native American sites on Federal land by Native American religious practitioners. Agencies shall maintain confidentiality as to the location of such sacred sites and shall avoid adversely affecting their integrity. There are currently no Traditional Cultural Properties or Native American sacred places known to exist within the RRAD WEP. (Tetra Tech 2005)

3.6.2.3 Buildings/Structures

There are no Category I, II, or III historic properties within the RRAD WEP. During the time of the VSI, 159 earth-covered storage igloos from Area A, Area B, and Area C located in RRAD WEP were being evaluated by RRAD and the Texas SHPO for potential eligibility on the NRHP list (RRAD PMC 2006). Consultation on eligibility for the storage igloos is currently underway.

3.6.2.4 Section 106 Consultation

The RRAD Natural Resources Managers consult and coordinate with the RRAD Cultural Resource Manager (CRM) any time an activity or project is planned that might have the potential to impact historic or cultural resources. To comply with the National Historic Preservation Act (Section 106) and the Archaeological Resources Protection Act, the CRM contacts the Texas SHPO to determine if further action is necessary. Potential actions may require a Phase I archaeological survey. If potential NRHP eligible sites are found, further excavation work (Phase II and/or Phase III) may be required. If historic structures are involved, the Texas SHPO must approve any proposed modifications or demolition; mitigation efforts may be required. (Tetra Tech 2006)

Any artifacts collected during the course of previous or future archaeological excavations, or recovered during construction, soil disturbance, or other means, must be curated according to 36 CFR Part 79, *Curation of Federally-Owned and Administered Archeological Collection*. Associated documentation must also be curated. Pre-existing collections are not exempt from this rule. (Tetra Tech 2006)

A 1986 Programmatic Agreement between DOD, the National Council of State Historic Preservation Offices and the Advisory Council on Historic Preservation regarding WWII temporary buildings pertained to RRAD, but is not applicable for the RRAD WEP (Tetra Tech 2006). A Memorandum of Agreement (MOA) is currently under review by the SHPO for the RRAD 1995 BRAC property cultural resources. No Programmatic Agreements or MOAs have been instituted concerning the management of cultural resources at the RRAD WEP.



3.7 SITE MAPS

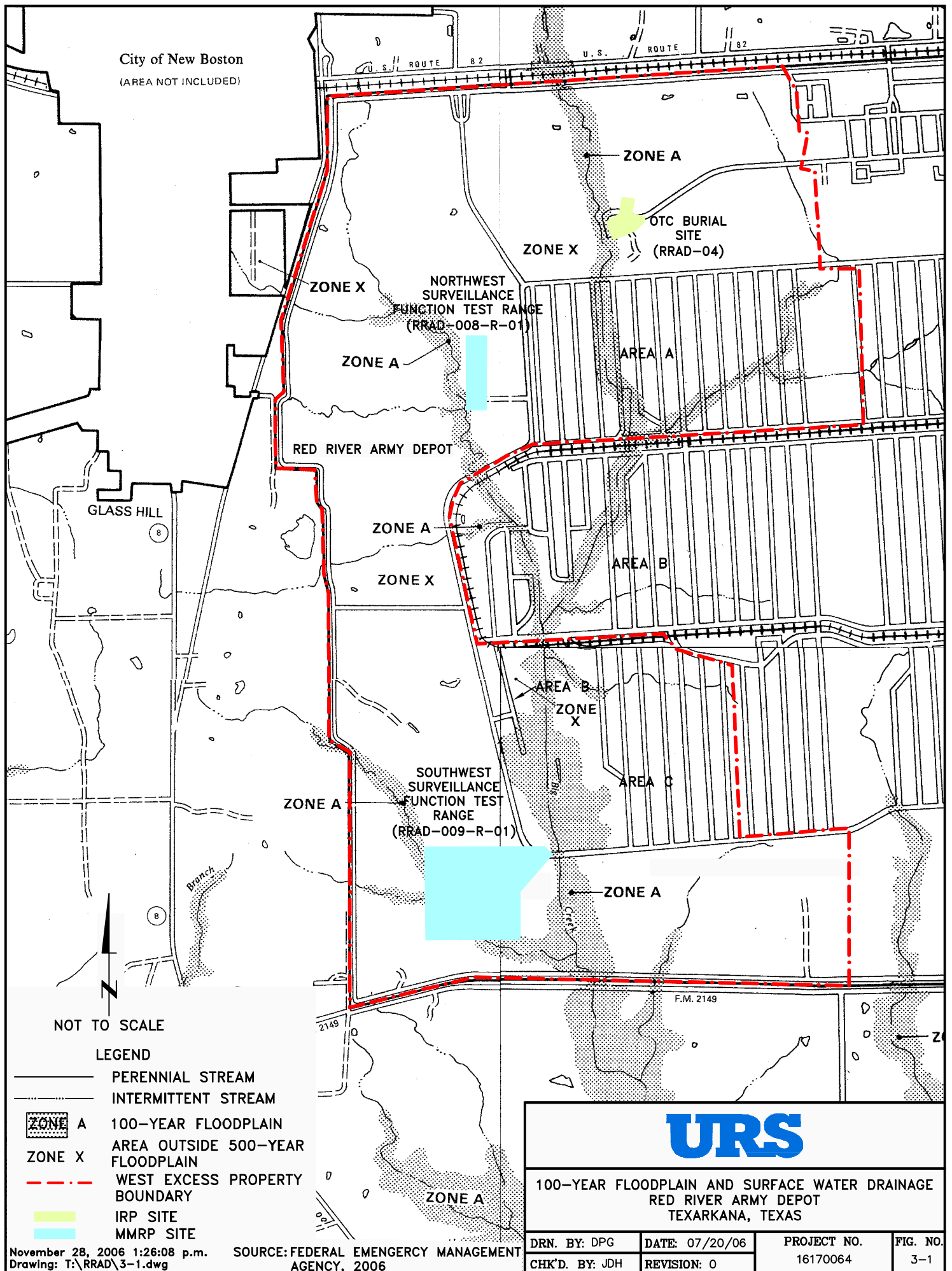
All supporting maps are provided within the appropriate sections of this ECP. The maps include:

- Figure 1-1 Site Location Map
- Figure 1-2 Red River Army Depot
- Figure 1-3 West Excess Property Site Map
- Figure 3-1 100-Year Floodplain and Surface Water Drainage
- Figure 3-2 Topographic Map
- Figure 3-3 New Boston Wastewater Outfall
- Figure 3-4 Monitoring Well Locations at the OTC Landfill
- Figure 3-5 Vegetative Cover
- Figure 3-6 Primary Wetlands
- Figure 3-7 Locations of Areas Unsurveyed for Cultural Resources
- Figure 5-1 Environmental Condition of Property Parcel Map

Aerial analysis site maps may be found in **Appendix B**. Aerial analysis site maps include:

- Figure B-1 1940 Aerial Analysis Sites
- Figure B-2 1949 Aerial Analysis Sites
- Figure B-3 1953 Aerial Analysis Sites
- Figure B-4 1960 Aerial Analysis Sites
- Figure B-5 1968 Aerial Analysis Sites
- Figure B-6 1975 Aerial Analysis Sites
- Figure B-7 1980 Aerial Analysis Sites
- Figure B-8 1995 Aerial Analysis Sites
- Aerial Photographs RRAD WEP (ERI 2006)





City of New Boston
(AREA NOT INCLUDED)

ZONE A

OTC BURIAL SITE
(RRAD-04)

ZONE X

NORTHWEST SURVEILLANCE
FUNCTION TEST RANGE
(RRAD-008-R-01)

ZONE X

ZONE A

AREA A

RED RIVER ARMY DEPOT

ZONE A

AREA B

ZONE X

AREA B

ZONE X

SOUTHWEST SURVEILLANCE
FUNCTION TEST RANGE
(RRAD-009-R-01)

AREA C

ZONE A

ZONE A

F.M. 2149

NOT TO SCALE

LEGEND

- PERENNIAL STREAM
- INTERMITTENT STREAM
- ZONE A 100-YEAR FLOODPLAIN
- ZONE X AREA OUTSIDE 500-YEAR FLOODPLAIN
- WEST EXCESS PROPERTY BOUNDARY
- IRP SITE
- MMRP SITE

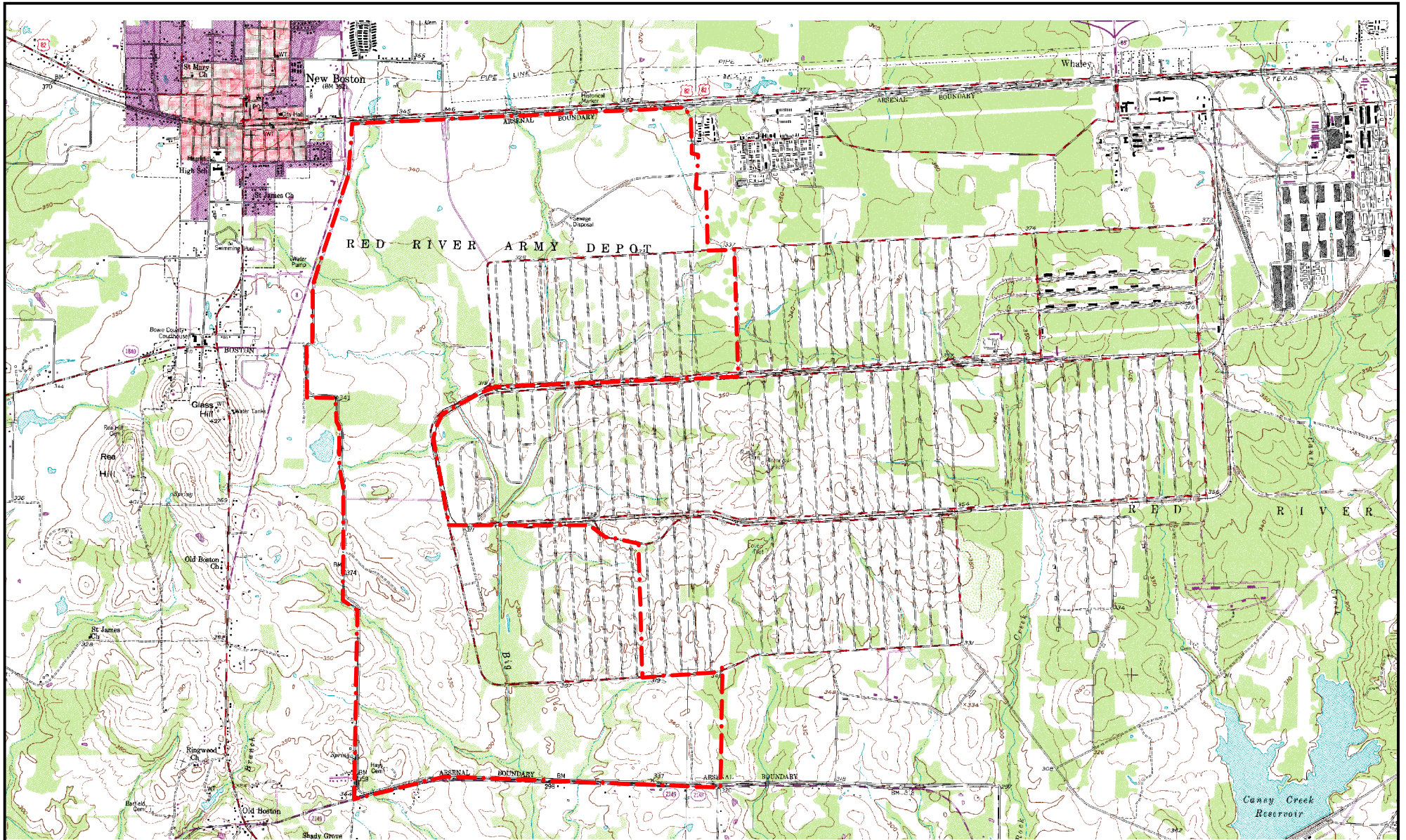


100-YEAR FLOODPLAIN AND SURFACE WATER DRAINAGE
RED RIVER ARMY DEPOT
TEXARKANA, TEXAS

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SOURCE: FEDERAL EMERGENCY MANAGEMENT
AGENCY, 2006

DRN. BY: DPG	DATE: 07/20/06	PROJECT NO. 16170064	FIG. NO. 3-1
CHK'D. BY: JDH	REVISION: 0		



LEGEND:

- - - - WEST EXCESS PROPERTY BOUNDARY
- - - - - INSTALLATION BOUNDARY

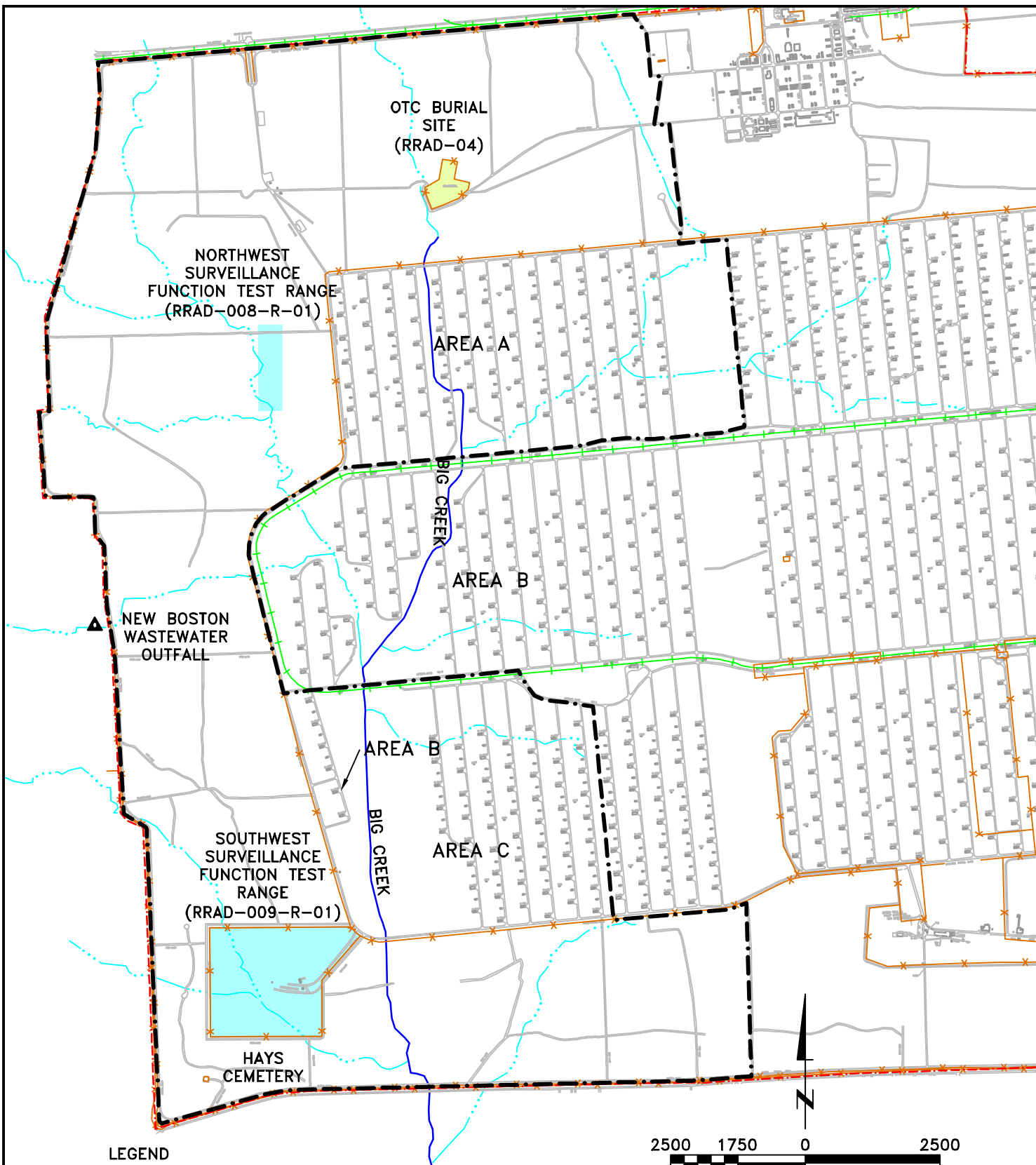


**TOPOGRAPHIC MAP
RED RIVER ARMY DEPOT
TEXARKANA, TEXAS**











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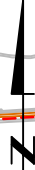
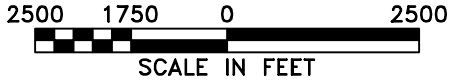
SOURCE: USGS, 1972

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LEGEND

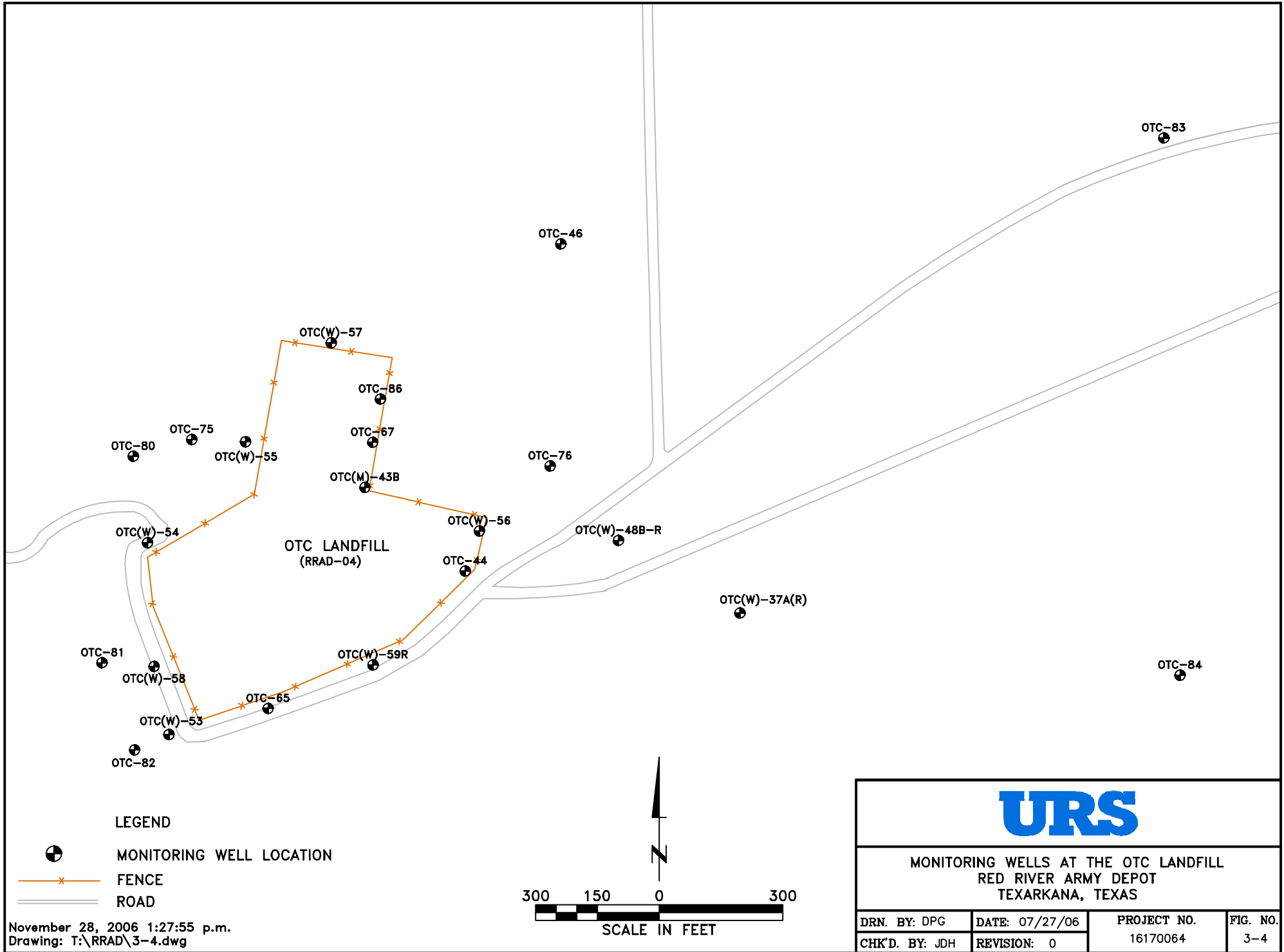
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-  WEST EXCESS PROPERTY BOUNDARY
-  DEPOT BOUNDARY
-  RAILROAD TRACKS
-  FENCE
-  ROAD
-  PERENNIAL STREAM
-  INTERMITTENT STREAM
-  IRP SITE
-  MMRP SITE



URS

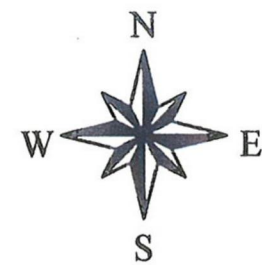
NEW BOSTON WASTEWATER OUTFALL
RED RIVER ARMY DEPOT
TEXARKANA, TEXAS

DRN. BY: DPG	DATE: 07/27/06	PROJECT NO. 16160064	FIG. NO. 3-3
CHK'D. BY: JDH	REVISION: 0		



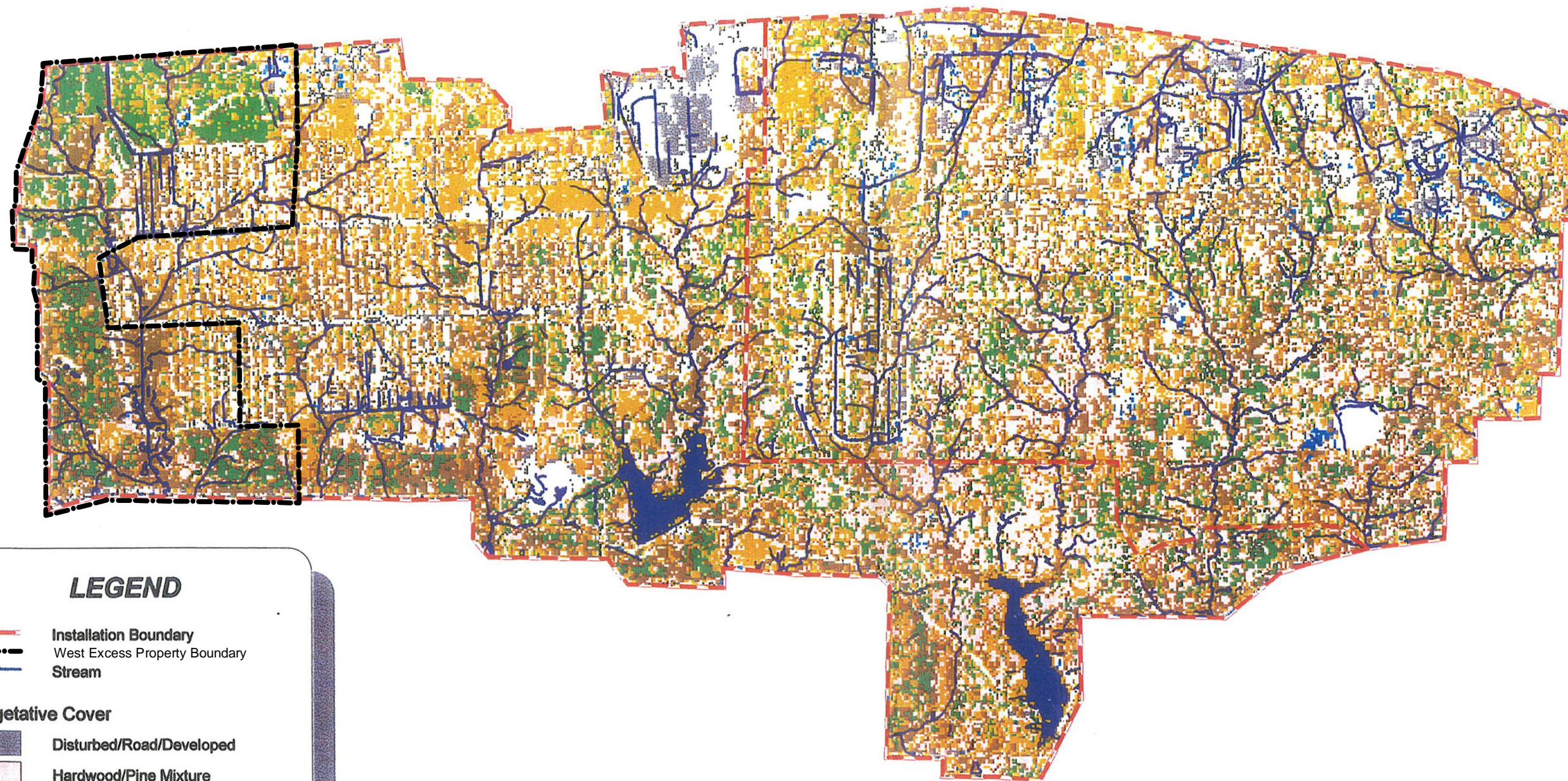
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CHK'D. BY: JDH	REVISION: 0		











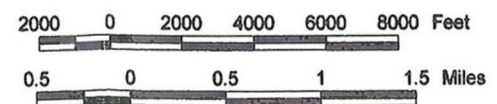
RED RIVER ARMY DEPOT

LONESTAR ARMY AMMUNITION PLANT



LEGEND

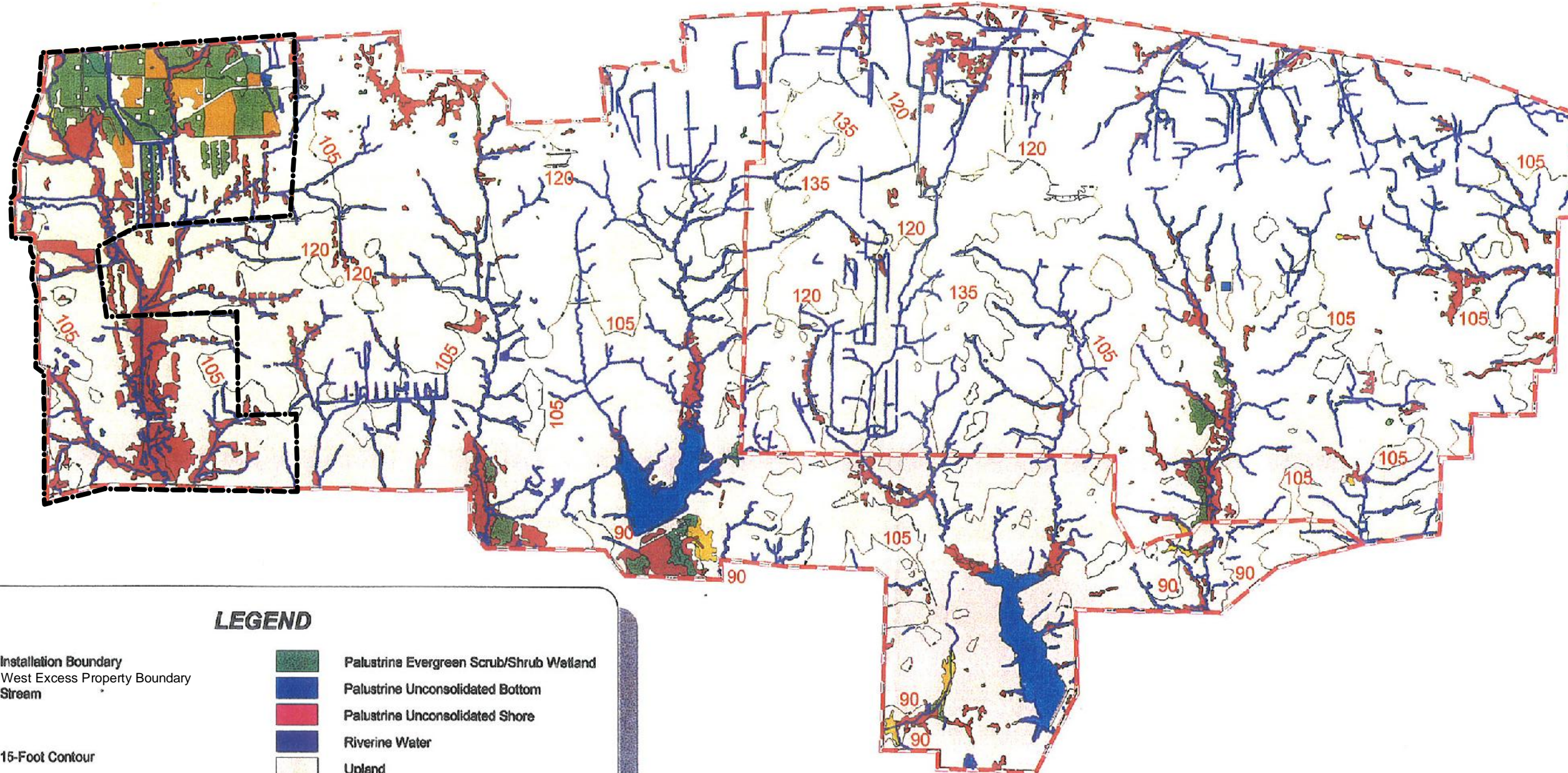
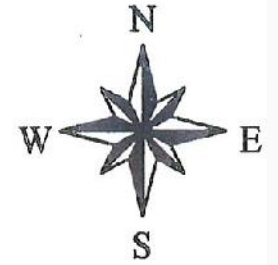
-  Installation Boundary
 -  West Excess Property Boundary
 -  Stream
- Vegetative Cover**
-  Disturbed/Road/Developed
 -  Hardwood/Pine Mixture
 -  Hardwood
 -  Mowed Area & Improved Pasture
 -  Pine
 -  Pine/Hardwood Mixture
 -  Unimproved Pasture & Shrubland
 -  Water



VEGETATIVE COVER
RED RIVER ARMY DEPOT
TEXARKANA, TEXAS

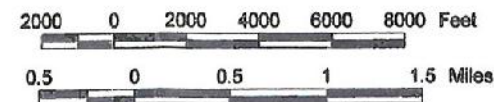
RED RIVER ARMY DEPOT

LONESTAR ARMY AMMUNITION PLANT



LEGEND

- Installation Boundary
 - West Excess Property Boundary
 - Stream
- Contours**
- 15-Foot Contour
 - Contour Label
- Wetland Designation**
- Lacustrine Water
 - Palustrine Aquatic Bed
 - Palustrine Emergent Wetland
 - Palustrine Deciduous Forested Wetland
 - Palustrine Evergreen Scrub/Shrub Wetland
 - Palustrine Unconsolidated Bottom
 - Palustrine Unconsolidated Shore
 - Riverine Water
 - Upland
 - Palustrine Forest Wetlands (cypress)
 - Palustrine Evergreen Forest Wetland
 - Palustrine Dead Forest II
 - Palustrine Mixed Forest Wetland
 - Palustrine Deciduous Scrub-Shrub Wetland
 - Palustrine Mixed Shrub/Emergent Wetland

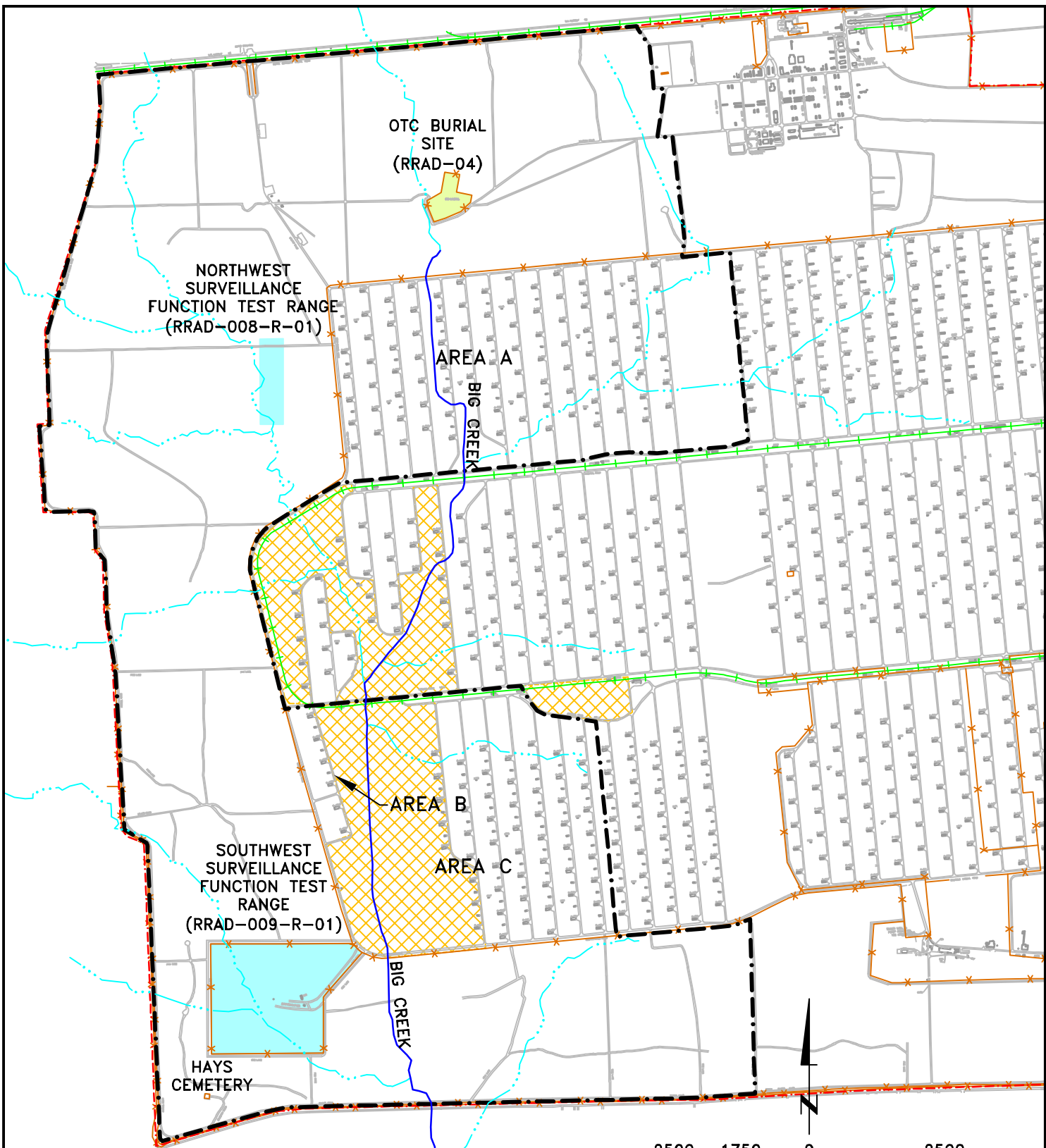


PRIMARY WETLANDS
RED RIVER ARMY DEPOT
TEXARKANA, TEXAS

SOURCE: MODIFIED FROM U.S. ARMY CORPS OF ENGINEERS, 1994
URS SOURCE: MODIFIED FROM TETRA TECH, INC, 2006

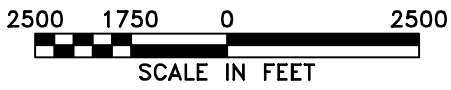
November 28, 2006 1:29:17 p.m
Drawing: T:\RRAD\3-6.dwg

DRN. BY: DPG	DATE: 08/15/06	PROJECT NO. 16170064	FIG. NO. 3-6
CHK'D. BY: JDH	REVISION: 0		



LEGEND

- UNSURVEYED AREAS
- WEST EXCESS PROPERTY BOUNDARY
- DEPOT BOUNDARY
- RAILROAD TRACKS
- FENCE
- ROAD
- PERENNIAL STREAM
- INTERMITTENT STREAM
- IRP SITE
- MMRP SITE



November 28, 2006 1:29:45 p.m.
Drawing: T:\RRAD\3-7.dwg

LOCATIONS OF AREAS UNSURVEYED FOR CULTURAL RESOURCES RED RIVER ARMY DEPOT TEXARKANA, TEXAS			
DRN. BY: DPG	DATE: 07/27/06	PROJECT NO. 16160064	FIG. NO. 3-7
CHK'D. BY: JDH	REVISION: 0		

4.1 ENVIRONMENTAL PERMITS AND LICENSES

4.1.1 RCRA Status

RRAD currently manages hazardous waste in accordance with the RCRA permit for Industrial Solid Waste Management No. HW-50178-000, which was originally issued on 13 December 1988 and renewed in 1995 and 2001. The current permit expires in 2011. RRAD is a LQG, identification number TX-3213820738. The facility is regulated under the Texas Commission on Environmental Quality (TCEQ) and is bound by the requirements of the RCRA Permit.

The OTC Landfill (OTC Burial Site, RRAD-04) is the only authorized RCRA unit located within the RRAD WEP (**Table 4-1**). The compliance monitoring plan requires at least 30 years of post-closure care for any hazardous waste management units that are closed with waste in place. The OTC Landfill (OTC Burial Site, RRAD-04) was certified as closed on 23 December 1983.

TABLE 4-1 AUTHORIZED FACILITY UNITS (UNDER RCRA PERMIT NO. 50178-000) LOCATED IN THE RRAD WEST EXCESS PROPERTY			
TCEQ Permit Unit No.	Unit Name	Unit Description	Capacity (pounds)
11	OTC Landfill (OTC Burial Site, RRAD-04)	Landfill closed, has been authorized for post-closure care activities only. No additional wastes managed within this unit.	3,750,000

No satellite hazardous waste accumulation points or less than 90-day hazardous waste storage areas were identified within the RRAD WEP or within a mile radius that would have an adverse impact on the subject property.

4.1.2 Solid Waste Permits

No solid waste permits are held for property within the RRAD WEP.

4.1.2.1 Active Landfills

No active landfills are located within the RRAD WEP. No landfills within a mile radius were identified that could potentially have an adverse impact on the subject property.

4.1.2.2 Historical Landfills

Only the OTC Landfill (OTC Burial Site, RRAD-04) is located on RRAD WEP. Additional information for the OTC Landfill (OTC Burial Site, RRAD-04) may be found in **Section 4.2.1**.

4.1.3 Underground Storage Tank/Aboveground Storage Tank Permits

No permits for USTs or aboveground storage tanks (ASTs) were identified for the RRAD WEP.



4.1.3.1 Underground Storage Tanks

No current or historic USTs were identified within the RRAD WEP. USTs identified within a mile radius of the RRAD WEP do not have an adverse impact on the subject property.

4.1.3.2 Aboveground Storage Tanks

No ASTs were identified within the RRAD WEP. No ASTs within a mile radius were identified that could potentially have an adverse impact on the subject property.

Two 7,000-gallon ASTs containing fuel oil were located west of the former OTC hospital. Documentation verifying when the ASTs were removed is not available but it is estimated they were removed in the late 1950s to early 1960s. Underground piping from the ASTs is still presently located within the RRAD WEP (USACHPPM 1996). The area is identified on **Figure 5-1** as 6(2)PR.

4.1.3.3 Specialty Tanks

No specialty tanks were identified within the RRAD WEP. No specialty tanks within a mile radius were identified that could potentially have an adverse impact on the subject property.

4.1.4 National Pollutant Discharge Elimination System Permits

National Pollutant Discharge Elimination System (NPDES) is a federal regulatory program to control discharges of pollutants to surface waters of the United States. The TCEQ Texas Pollutant Discharge Elimination System (TPDES) program was given federal regulatory authority over discharges of pollutants to Texas surface water. Under the terms of the NPDES MOA between the United States Environmental Protection Agency (USEPA) and the TCEQ, the TCEQ may issue a TPDES permit, which is both a federal Clean Water Act authorization and a Texas Water Code authorization.

RRAD currently has a NPDES permit, No. TX0000132, and a corresponding TPDES permit, No. WQ0002206000, which was issued on 19 September 2006. Discharge from the permitted outfalls illustrated in the TPDES permit do not originate within or affect the RRAD WEP.

RRAD holds a TPDES Multi-Sector General Permit No. TXR05000, issued 14 August 2006, for discharge of stormwater to surface waters in the state of Texas. The RRAD WEP has two permitted stormwater monitoring points located in the area of the OTC Landfill (OTC Burial Site, RRAD-04). A Stormwater Pollution Prevention Plan is currently under revision for RRAD.

4.1.5 Drinking Water Permits

RRRA provides water to RRAD. There are no known sources of drinking water associated with the RRAD WEP.



4.1.6 Air Permits

There are no known sources of air emissions or an air permit associated with the RRAD WEP.

4.1.7 Nuclear Regulatory Commission Licenses

RRAD has four current United States Nuclear Regulatory Commission (USNRC) licenses and three licenses that have expired. No permitted radiological activities or USNRC licenses are associated with the RRAD WEP.

4.1.8 Other Permits/Licenses

No additional permits or licenses were identified during records research or the VSI.

4.2 ENVIRONMENTAL CLEANUP

The following information was obtained from the RRAD Installation Action Plan (USAEC 2005).

4.2.1 Installation Restoration Program

There are currently 88 Army Environmental Database-Restoration sites at RRAD, including 10 sites addressed under the MMRP. For the IRP, only the OTC Landfill (OTC Burial Site, RRAD-04) is located within the RRAD WEP (depicted on **Figure 5-1** as 4(4)HR).

TABLE 4-2 OTC LANDFILL (OTC BURIAL SITE, RRAD-04)		
RRAD-04 Status Regulatory: RCRA Relative Risk Site Evaluation: Medium Contaminants: VOCs Media of Concern: Groundwater Response Complete: 200512		
Phases	Start	End
RCRA Facility Assessment	197803	197807
Confirmation Sampling	198105	198105
RCRA Facility Investigation	199902	200512
Long-Term Monitoring (LTM)	200512	203612

Source: USAEC 2005

Site Description:

The OTC Landfill (OTC Burial Site, RRAD-04) is located on the northwest portion of RRAD in the WEP. From 1942 to 1982, there were several different uses for this site. It was a sewage treatment plant, an industrial waste treatment plant, a drum storage area, and finally a landfill.



Big Creek flows along the west side of the OTC Landfill (OTC Burial Site, RRAD-04). (USAEC 2005)

Between 1972 and 1982, four burial sites received containerized compounds, including solvents, pentachlorophenol, and heavy metals. Closure for this RCRA regulated unit was accomplished by installing a RCRA cap over the entire site in 1983. VOCs, including 1,1-dichloroethylene (DCE), 1,1,1-trichloroethane, and trichloroethylene (TCE) have been released and detected in groundwater. (USAEC 2005)

Cleanup Strategy:

A corrective measures implementation plan for a Plume Management Zone (PMZ) and a Compliance Plan permit modification were approved by the TCEQ in March 2006. Groundwater samples are being collected and analyzed semi-annually for VOCs. In support of the approved PMZ Corrective Action Monitor Well Network, unessential monitoring wells were plugged in June 2006. (USACE 2006b) LTM will continue for at least 30 years with Land Use Controls (LUC). The LUCs will restrict groundwater use and excavating activities. (USAEC 2005)

4.2.2 Military Munitions Response Program

In 2002, a preliminary assessment (PA) was conducted for MMRP sites. The PA identified two closed ranges in the RRAD WEP. Remedial actions, such as UXO removal and soil remediation/removal, for each site will be determined at the conclusion of the investigations (USAEC 2005).

4.2.2.1 Northwest Surveillance Function Test Range (RRAD-008-R-01)

TABLE 4-3 NORTHWEST SURVEILLANCE FUNCTION TEST RANGE (RRAD-008-R-01)		
RRAD-008-R-01 Risk Assessment Code (RAC) Score: Moderate-3 Contaminants: UXO Media of Concern: Groundwater, Soil		
Phases	Start	End
PA	200202	200305
Site Investigation (SI)	200309	200510

Source: USAEC 2005

Site Description:

The Northwest Surveillance Function Test Range (RRAD-008-R-01) is located in the northwest corner of the RRAD WEP (depicted on **Figure 5-1** as 3(6)HRX). This approximate 22-acre site is believed to have been used between 1953 and 1960. The first clear evidence of its existence is a 1954 Standard Operating Procedure for the function testing of “simulator hand grenade M116” at the A-area Test Site. Aerial photographs from 1955 and 1960 clearly show a road leading into



this site. A 1968 aerial photograph shows this road is overgrown with vegetation. Two 1972 site plans do not indicate any facilities at this site. The aerial photographic evidence indicates the site was no longer in use by 1968. (USAEC 2005)

A MC investigation was conducted on 24 April 1996. The site was inspected for obvious signs of munitions and explosives of concern (MEC) and munitions activities. During the assessment, a large mound of sand, approximately 15 feet by 30 feet in size, in the north-central quadrant of the site was encountered. A potential MEC (a signal flare) was observed in the sand mound and one soil grab sample was collected from the 0 to 4 inches bls interval. The RRAD laboratory analyzed the sample for total chromium (15.1 milligrams per kilogram (mg/kg)), cadmium (0.2 mg/kg), and lead (11.6 mg/kg). The Historical Records Review (HRR) indicated the following MEC were associated with this site: XM185 2-second delay photoflash cartridges, grenade launcher ground signals, hand held position marker PM-4, land mines, pyrotechnics, grenade fuzes, trip flares, and M2 Series anti-personnel mines. (USAEC 2005)

The 2006 site inspection report indicated no MEC was encountered during the 2005 site inspection at the Northwest Surveillance Function Test Range (RRAD-008-R-01). Recent findings and historic evidence indicate that there is potential for MEC. No MC related metals were detected in excess of background levels. (EEM 2006)

Cleanup Strategy:

An SI was funded in 2003 and completed in 2005 (EEM 2006). A Remedial Investigation/Feasibility Study (RI/FS) is scheduled for 2007. Remediation may consist of soil removal and/or UXO clearance. (USAEC 2005)

4.2.2.2 Southwest Surveillance Function Test Range (RRAD-009-R-01)

TABLE 4-4 SOUTHWEST SURVEILLANCE FUNCTION TEST RANGE (RRAD-009-R-01)		
RRAD-009-R-01 Status RAC Score: Serious-2 Contaminants: UXO Media of Concern: Groundwater, Soil		
Phases	Start	End
PA	200202	200305
SI	200309	200510

Source: USAEC 2005

Site Description:

The Southwest Surveillance Function Test Range (RRAD-009-R-01) is located in the southwest portion of the RRAD WEP (depicted on **Figure 5-1** as 2(6)HRX). While the exact acreage is unknown, some sources state the site to be 104 acres in size, while others report the size as 40 to



106 acres. The HRR states the range was operated from the late 1940s into the 1980s. The HRR also states the first clear evidence of the range existence is shown on a 1972 update of a 1959 map. The footprint of the site is also depicted on the 1972 Woodland Management Plan map as the Ammo Test Facility. In addition, a similar sized and shaped parcel labeled as the Surveillance Test Area is depicted on a 1972 Real Property Survey map. A 1968 aerial photograph of the area clearly shows the site. The site plans from 1961 and 1966 indicate the site was still being used after 1960. (USAEC 2005)

The 2001 Active/Inactive Range Inventory report for RRAD classified this range as inactive and referred to it as Range No. 2167 – Southwest Surveillance Function Test Range. The report noted the range was used between 1948 and 1984 and there have been no releases at this site since 30 September 2002. According to a May 1996 RRAD site visit, there appears to be two areas on the site where ammunition items were function-tested: the mine/grenade stand and the flare/signal stand. The mine/grenade stand area is located in the northern section of the site and is comprised of a bunker and a buried pipe with a firing apparatus leading to a test stand. In addition, there is a 2- to 3-foot deep trench that is 60 feet in length located 60 feet east of this area. The flare/signal stand area is located in the center of the site and is comprised of a concrete pad that is 40 feet by 75 feet in size. An open-sided roofed structure is located over the west end of the pad. An apparatus is located in the center of the pad that was used to attach test stands. Across the access road from the flare/signal stand is Storage Shed 850. (USAEC 2005)

In May 1996, RRAD personnel collected two composite soil samples from the site. The RRAD laboratory analyzed both samples for total chromium (32.9 mg/kg), cadmium (2.8 mg/kg), and lead (234 mg/kg). These samples were collected from the four corners of the concrete pad. In addition, six hand grenades, possibly inert by appearance, and one hand grenade fuse were found in the storage shed located on site. According to the HRR, the following MEC are associated with this site: pyrotechnics, grenade launcher ground signals, hand-held position marker PM-4, grenade fuzes, trip flares, and M2 and M16 Series anti-personnel mines. (USAEC 2005)

The 2006 site inspection report identified two possible MEC-related items during the 2005 site inspection at the Southwest Surveillance Function Test Range (RRAD-009-R-01). The items could not be confirmed inert but based on the recent findings and historic evidence there is potential for MEC. No MC related metals were detected in excess of background levels. (EEM 2006)

Cleanup Strategy:

An SI was funded in 2003 and completed in 2005 (EEM 2006). An RI/FS is scheduled for 2007, during which the range acreage will be verified. Remediation may consist of soil removal and/or UXO clearance. (USAEC 2005)

4.2.3 Compliance Cleanup

There are no Compliance Cleanup sites in the RRAD WEP.



4.2.4 Previous Environmental Investigations

The following investigations addressed potential contamination sources within the RRAD, which included the RRAD WEP. A summary of the conclusions is provided.

Installation Assessment, 1978

A record search was conducted on RRAD to identify past contamination and to assess the potential for contamination migration beyond the boundary of the depot. Major contaminated areas identified were the manufacturing area, the surface waters and the OTC area (Burial Site, RRAD-04). Major contaminants were heavy metals (cadmium and chromium) and petroleum, oil, and lubricant wastes. It was concluded that a potential exists for contaminants to exit the depot via both surface and subsurface waters as a result of current depot operations. A firm conclusion could not be drawn with respect to contaminant migration via Panther and Big Creeks from past manufacturing and disposal operations. Although a preliminary survey was not recommended, the assessment team did recommend that the depot should expand its present water quality program to include analysis of: a) surface waters at additional locations on the installation, including all streams exiting the installation, and b) subsurface waters at locations suspected of being contaminated. (USATHAMA 1978)

Groundwater Quality Assessment, OTC Area, 1984

This study evaluated groundwater quality at the OTC Landfill (OTC Burial Site, RRAD-04). It concluded that inorganic contamination does not warrant mitigation and organic contamination from burial sites and portions of the sewage treatment facility that were used for disposal of industrial wastes may pose a hazard if the small volume of affected water in this area is used. (Dames and Moore 1984)

Phase I, Master Plan, Analysis of Existing Facilities/Environmental Assessment, 1985

This report provided an analysis of the adequacy of existing facilities to perform the assigned mission and to achieve long-range objectives of the RRAD installation. It included information on RRAD's location, mission, and general historical setting, as well as a narrative analysis and environmental assessment of its land and water areas, buildings, roads, utilities, communications, and drainage system. The report provided operations and facility information for the RRAD WEP. (Nakata 1985)

Environmental Baseline Survey Report, 1996

The purpose of the EBS was to classify discrete areas of real property (563 acres) associated with RRAD, subject to transfer or lease, into one of seven standard environmental condition of property area types as defined by Community Environmental Response Facilitation Act guidance and the DOD BRAC Cleanup Plan Guidebook (Woodward-Clyde 1996). The EBS was not specifically focused on the RRAD WEP.



Environmental Assessment for BRAC 95, 1998

This report was developed to address property involved in the 1995 RRAD BRAC process (765 acres). Information on asbestos, radon, and utilities in this report was applicable to the RRAD WEP as well. (USACE 1998)

Data Summary Report for Miscellaneous Sites, 2000

A previous review of historical data indicated 12 sites were in need of further investigation. One of these locations was the OTC Landfill (OTC Burial Site, RRAD-04) located in the RRAD WEP. Historical sewage treatment plant operations and the handling of hazardous wastes appear to have contributed to elevated concentrations of VOCs and metals detected in groundwater and soil in this area. There is no conclusive evidence of semi-volatile organic compound contaminants in area soils. Current soil, surface water, and sediment conditions at the OTC Burial Site do not appear to be a continuing concern. (Parsons 2000)

Final Site Inspection Report, Military Munitions Response Program, 2006

The site inspection report was prepared for sites other than operational ranges with known or suspected UXO, discarded military munitions (DMM), or MC at RRAD. Seven munitions response sites identified in this report are being addressed under the MMRP. Information for two MMRP sites, the Northwest Surveillance Function Test Range (RRAD-008-R-01) and the Southwest Surveillance Function Test Range (RRAD-009-R-01), was applicable for the RRAD WEP. (EEM 2006)

Historical Records Review, 2006

The HRR was prepared for the RRAD WEP and adjacent buffer zones. The HRR conclusions are listed below (USATCES 2006).

- No explosives contamination is expected in Area A except possibly for MC residue in the vicinity of magazine A7-07, which was destroyed by fire and explosion in 1996.
- There was no documentation discovered during research indicating any reason for explosives contamination in Area C.
- MEC contamination could exist in the former Northwest and Southwest Surveillance Function Test Ranges, but it is unlikely due to the limited nature of operations conducted on that land and subsequent visits/sampling conducted after closure. Finding munitions debris is possible. To rule out MC pathway concerns, a determination needs to be made regarding the level of sampling required to satisfy the contamination issues from the munitions stored and used in these areas.
- A remote possibility exists that Chemical Agent Identification Sets could be found on RRAD WEP, although no documentation researched revealed any evidence of this situation since the deactivation of the OUTC in the 1950s.



4.3 HAZARDOUS SUBSTANCES

The RRAD WEP is primarily used for completed munitions storage, and the amount of material stored in these areas may be limited. No munition inventory was available. Fourteen igloos were surveyed during the 2006 VSI. Finished munitions were observed in the igloos.

Throughout the RRAD storage areas, Y-Sites (open storage areas located between igloos) currently and/or historically have been designated to store finished munitions (RRAD SA 2006). Sixty-five Y-Sites exist in Areas A, B, and C of the RRAD WEP. All Y-Sites observed during the 2006 VSI were vacant or storing empty munition crates and pallets. No finished munitions were identified at the Y-Sites.

The Pest Management Plan (PMP) for RRAD discusses chemicals used at the depot. There is no documentation stating that chemicals listed in the PMP are stored in the RRAD WEP (RRAD 2004b). Refer to **Section 4.11** for more information on the PMP.

4.4 PETROLEUM PRODUCTS

Interviews and the VSI did not reveal any information indicating that petroleum products were used or stored in the RRAD WEP. Historical records indicate tar was used to weatherproof the igloos in the RRAD WEP (RRAD 1996).

Interviews during the VSI indicated that a kerosene spill of unknown origin flowed downstream from off the installation onto the northwest RRAD WEP property. The area is presented on **Figure 5-1** as 8(2)PR. Photographs of the spill area are presented in **Appendix C, Table 1**, Pic 23 and 24. According to interviews, the spill occurred in the mid 1990s. RRAD personnel noticed a “sheen” of unknown substance on the stream surface, later identified as kerosene. RRAD contained the kerosene by placing absorbent buoys in the stream to stop downstream migration. It was estimated that the kerosene migrated approximately 200 feet downstream on the RRAD WEP. During the VSI, interviews indicated that no known information or documentation of the incident exists. (RRAD BEC 2006)

4.4.1 Polychlorinated Biphenyls

All utilities have been transferred to RRA, who now maintains transformer inventories. To date, equipment surveys have never indicated any PCB concentrations greater than 50 parts per million. According to the original bill of sale recorded in the Easement for Electric Utilities, the Army represented and acknowledged that none of the electric transformers contained PCBs. Furthermore, there are no historical documents that identify any PCB-containing items or spills in the RRAD WEP.

4.5 ASBESTOS-CONTAINING MATERIALS

An asbestos survey was conducted from 1989 through 1990 on RRAD buildings constructed before 1976. Buildings constructed between 1976 and 1985 were not surveyed and may contain



asbestos. The survey did not include any structures within the RRAD WEP, of which all were constructed prior to 1976. As of 1994, friable asbestos was in the process of being removed from all buildings where it was identified.

Asbestos-containing material (ACM) is present in the weatherproofing of the underground ammunition storage magazines (igloos). ACM was discovered after igloo A7-07 caught fire in August 1996. Analytical data indicated that the igloo weatherproofing (multiple layers of tar) contained asbestos (RRAD 1996). Once weatherproofed, the igloos were covered with earth. It is not known if this method of weatherproofing was used in the original construction of the igloos, or which igloos have been weatherproofed in this way; however, for the purposes of this ECP report, it will be assumed that the weatherproofing is ACM.

Additionally, site personnel indicated during the VSI that igloo doors may contain ACM (RRAD SA 2006).

4.6 LEAD AND LEAD-BASED PAINT

Most facilities and buildings at RRAD were constructed prior to the DOD ban on the use of LBP in 1978, and are likely to contain one or more coats of such paint. No known LBP abatement has been conducted at RRAD (Woodward-Clyde 1996). LBP is reported to have been used on the inside of igloo doors in the RRAD WEP (RRAD SA 2006). At the time of the VSI, the paint condition on the igloo doors showed minor cracking and peeling.

4.7 RADIOACTIVE MATERIAL

No permitted radiological activities or USNRC licenses are associated with the RRAD WEP.

4.8 HISTORICAL LANDFILLS/DUMPS

Only the OTC Landfill (OTC Burial Site, RRAD-04) is located on RRAD WEP. Additional information for the OTC Landfill (OTC Burial Site, RRAD-04) may be found in **Section 4.2.1**.

Miscellaneous wastewaters are generated at the depot from various operations to include cooling towers, rinse waters from electroplating operations, battery draining and miscellaneous water uses. The waters are treated at the industrial wastewater treatment plan (IWTP) and the sanitary sewage treatment plant with the treated effluent being discharged to on-site creeks (RRAD 2004a). Historically, Big Creek has received effluent from on-site activities. Surface water monitoring conducted by USACE, Fort Worth District indicated that no VOCs or RCRA metals were detected in surface water above groundwater protective standards (Parsons 2000). Based on sampling data, surface water conditions do not appear to be a continuing concern near the OTC (Parsons 2000).

The ongoing groundwater monitoring program at the OTC Landfill (OTC Burial Site, RRAD-04) generates investigative derived waste (IDW). The IDW is stored at RRAD Building 479 (not on RRAD WEP) pending disposal at permitted off-site facilities. Non-hazardous non-regulated



purge water is disposed through the RRAD IWTP. Disposal is in accordance with RRAD's Waste Management Plan. Disposal records are on file at the RRAD Environmental Office (USACE 2006).

4.9 EXPLOSIVE CONTAMINATED STRUCTURES

Explosive residues may be present in ammunition storage areas but have not yet been characterized or quantified. The Army Technical Bulletin 700-4, *Decontamination of Buildings and Equipment* (USHQDA 1978) defines the decontamination levels as:

- 1X (depicted as X) indicates that the equipment or facilities have been partially decontaminated and require additional decontamination.
- 3X (depicted as XXX) indicates the equipment or facilities have been examined and decontaminated by approved procedures and no contamination can be detected by appropriate instrumentation, test solutions or by visual inspection on easily accessible surfaces or in concealed housings, and are considered safe for the intended use.
- 5X (depicted as XXXXX) indicates the equipment or facilities have been completely decontaminated, are free of hazard and may be released for general use or to the general public.
- Zero indicates the item, although located in a contaminated area, was never directly exposed to contamination.

In addition, RRAD finished munition storage igloos underwent an explosive residue presence classification based upon operations associated with each building. The Interim Guidance Document 06-03, *Buildings and Installed Equipment Containing Explosives Residues That Present Explosion Hazards* (USACE 2006a), was used to assign specific production building types with an explosives residue presence classification of "significant," "limited," or "not-suspected." A significant presence classification was assigned to buildings that have operations that can result in extensive migration of explosive contamination in the buildings or the installed equipment. A limited presence classification was assigned to buildings that have minor release of explosives with no potential to migrate. A "not-suspected" classification was assigned to buildings that had no explosive operations or storage. The explosive hazard classification for the RRAD WEP structures is presented in **Appendix A, Table A-1**.

4.10 RADON

A radon survey was conducted at RRAD in 1989. The survey indicated that radon is not a concern on the depot as all sites were below the USEPA action level of 4.0 picocuries per liter. (USACE 1998)



4.11 PESTICIDES

The RRAD WEP currently operates under a PMP. A table summarizing the pesticides used at RRAD is presented in **Appendix G**. The pest control facility at RRAD is located in Building 286, which is not located within the RRAD WEP area (RRAD 2004b). The RRAD PMC is responsible for pest control, land, and cultural resources management.

Excess or unused pesticides are disposed of in accordance with proper disposal regulations after the USAEC Pest Management Consultant is contacted for possible redistribution. Pesticides are only mixed in accordance with what can be used on a daily basis. No pesticides are left mixed overnight. Pesticide containers are destroyed in accordance with label directions. (RRAD 2004b)

In the early 1990s, approximately 300 gallons of mixed herbicide was spilled between Areas B and C on an arterial road; however, the exact location was unknown during VSI interviews. With proper authorization from the TCEQ, the contaminated soil was removed. Documentation was not readily available for the cleanup conducted for this spill. (RRAD PMC 2006)

Current applications of herbicides and pesticides are rotated to ensure effectiveness and to avoid tolerance build up for pests and noxious weeds. Current herbicides and pesticides used for spraying at igloos, fencing, and other areas of the RRAD WEP include but are not limited to Banvel, Oust, Escort, Arsenal, Bromax 4L, MSMA, Tordon, 24D, Round-up, and wasp and hornet sprays. (RRAD PMC 2006)

4.12 OTHER IDENTIFIED CONCERNS

The following potential environmental concerns not discussed in other sections are listed below.

- On 21 August 1996, Storage Igloo A7-07 exploded and caught fire. Debris was observed on the apron and road and the fire was left to burn itself out. The explosion area was extended 300 feet beyond the igloo to ensure all potential MEC was captured. Igloo material and debris were removed to the High Explosive Burning Grounds for demilitarization and was certified explosive-free for Defense Reutilization and Marketing Office (DRMO) disposal. No sampling was conducted at the site. The area is identified on **Figure 5-1** as 5(6)HRX.
- During the 1949 aerial photo review, it was noted that a structure was located northeast of a hay bailing operation. Later aerials indicate the structure was visible until 1975. Activities at this structure could not be verified. The structure area is identified on **Figure 5-1** as 9(7)HRPR. The aerial photos were obtained during the VSI.
- During the 1960 aerial photo review, a scarred area was identified in the northwest corner of the RRAD WEP. Activities explaining the ground scarring could not be identified. The area is identified on **Figure 5-1** as 10(7)HRPR. The aerial photo was obtained during the VSI.
- Building 2155 is identified as being previously used as a black powder storage magazine. Dates of the black powder storage were unknown during VSI interviews but current use of



Building 2155 by security forces is for inert storage. (RRAD BEC 2006) The building is identified on **Figure 5-1** as 7(7)X.

4.13 NATIONAL ENVIRONMENTAL POLICY ACT

The National Environmental Policy Act (NEPA) team has come to a preliminary conclusion that an Environmental Assessment will be needed to meet NEPA requirements and to address environmental impacts associated with the disposal of RRAD WEP. The kick-off for the NEPA document was held on 18 July through 20 July 2006. The anticipated completion date is February 2007.

4.14 APPLICABLE REGULATORY COMPLIANCE ISSUES

The Army currently tracks issues concerning compliance with environmental laws and regulations through the Environmental Quality Report and formerly used the Army Compliance Tracking System. The installation is required to enter lawsuits, notices of violation and warning letters into the system and to track response actions. There are no violations associated with the RRAD WEP.

4.15 ADJACENT PROPERTIES

The city of New Boston is located immediately to the west, north, and northwest of the RRAD WEP. The city is primarily composed of residential, commercial, and industrial land uses. There are 14 Leaking Petroleum Storage Tank (LPST) sites, one wastewater treatment plant, and one RCRA permitted facility in or near New Boston. With the exception of the wastewater treatment plant discharge discussed in **Section 3.5.3**, there is no record of contamination from these sites entering the RRAD WEP. The 14 LUST sites are closed or awaiting closure status (TCEQ 2006).

A perimeter survey conducted during the 2006 VSI and a review of aerial photographs and surrounding property indicate that farmland, forest, and residential areas are adjacent to the RRAD WEP to the south and southwest. Septic tanks, irrigation wells, domestic wells and ASTs may be located in these areas. RRAD borders the eastern boundary of the WEP. The adjacent land uses with potential environmental concerns are presented in **Table 4-5**.

TABLE 4-5 ADJACENT LAND USES WITH POTENTIAL ENVIRONMENTAL CONCERNS		
Name	Description	Location
New Boston Wastewater Treatment Plant	Wastewater treatment plant for the City of New Boston, TX. Discharge from this outfall flows across the RRAD WEP (Section 3.5.3). NPDES Permit No. 0026018.	South of New Boston, West of the RRAD WEP. See Figure 3-3 .
Quality Dry Cleaner and Laundry	Laundry and dry cleaners. RCRA Facility ID No. TXD144944766.	This facility is approximately 2,000 feet directly northwest of the northwest corner of the



TABLE 4-5 ADJACENT LAND USES WITH POTENTIAL ENVIRONMENTAL CONCERNS		
Name	Description	Location
		RRAD WEP.
LPST Sites in New Boston	LPST No.'s 94005, 98281, 99435, 101566, 102964, 103810, 105874, 106683, 106867, 111953, 113465, 113466, 116216, and 116230.	These sites are north, west, and northwest of the RRAD WEP.
RRAD	The activities conducted within one mile of the RRAD WEP border are not expected to adversely impact the subject property.	Borders east of the RRAD WEP.



5.1 SUMMARY OF ECP

RRAD is an ammunition storage facility that was constructed during WWII. RRAD WEP is located in northeastern Texas, approximately 21 miles west of Texarkana, Texas, in central Bowie County, and is approximately six miles south of the Red River, which forms a boundary between Texas and Arkansas. The RRAD WEP consists of 3,835 acres of the total RRAD acreage of 18,316.

The major operational activities on RRAD include: maintenance and rebuild of military vehicles; demilitarization of out-of-specification ordnance; ammunition storage; maintenance, modification, and recertification of the Hawk, Chaparral, and Patriot missiles; tank track and road wheel rebuild; and rubber products maintenance. Currently, most of the acreage covered by the RRAD WEP is used for commercial forestry and ammunition storage. Prior to the construction of the facility the surrounding area was used primarily for farming and lumbering.

This ECP Report was prepared to characterize the existing environmental conditions at RRAD WEP. It is intended to be an aid in the disposal of real property under the BRAC 2005 program and is a basis for determining if the property is suitable for transfer, lease, or assignment. The ECP Report findings are based on environmental investigations and reports, historical documents, aerial photography, and a site reconnaissance conducted 26 June through 28 June 2006. As part of the ECP process, key elements that were evaluated included the installation's RCRA (hazardous waste), landfill, NPDES, air, UST/AST, ACM, lead/LBP, PCB, pesticides, IRP, MMRP, ranges, radon, radioactive materials, and natural/cultural resource programs.

5.2 CONCLUSIONS

Conclusions were based on the available sources of information concerning both past and present uses of the property. Information included readily available data associated with adjacent property records; aerial photography; personnel interviews; Army environmental programs and associated documentation; current and historic investigations; and ongoing response actions. In addition, record sources were reviewed to determine if there have been spills, leaks, discharges, leaching, underground injections, dumping, abandonments, or storage of hazardous substances or petroleum products at the installation. The VSI and interview process included inquiries and requests into the existence and availability of records that support the environmental condition of the property.

Discrete areas, referred to as parcels, were classified into one of seven standard ECP area types (categories) as defined by ASTM 5746-98, *Standard Classification of Environmental Condition of Property Area Types for Defense Base Closure and Realignment Facilities* (ASTM 2002). A total of 10 parcels were identified and classified into one of seven standard ECP categories. Each parcel was assigned a unique parcel identification number, ECP Category classification (in parenthesis), and the type(s) of release(s) that has been identified or suspected for that parcel. An example parcel designation is provided below.



99(7)HRPRX

99 = Parcel Designation

(7) = ECP Category

HR = Hazardous Substance Release or Disposal

PR = Petroleum Substance Release or Disposal

X = Explosive Hazard/MEC (which includes DMM, UXO, and MC)

The following sections present the results of the ECP process by ECP category. **Tables 5-1** through **5-4** list the parcels for each ECP category. Details of each individual parcel and the basis for determining their appropriate ECP category are presented in **Table 5-5**. A figure showing the location of all parcels and their classification is included as **Figure 5-1**. The RRAD WEP building hazard classifications are presented in **Appendix A**.

5.2.1 ECP Category 1

ECP Category 1 is defined as “areas where no release or disposal of hazardous substances or petroleum products or their derivatives has occurred, and to which there has been no migration of such substances from adjacent areas” (ASTM 2002). The ECP Category 1 parcel contains 3,608.45 acres of uncontaminated property. This parcel primarily consists of undeveloped land outside the storage areas. Approximately 855 acres of this parcel include the storage igloos, Y-sites, and surrounding area. An inspection of representative igloo types (approximately 10 percent) from each igloo storage area was completed as part of the 2006 ECP VSI. Based on the VSI, personnel interviews, and historical records review, the igloos have stored various items, including raw explosives materials, finished munitions, and reject munitions. Based on the VSI and personnel interviews completed as part of this ECP, there was no evidence that a release or disposal of hazardous substances or petroleum products or their derivatives has occurred in these areas. The Category 1 parcel is identified in white on **Figure 5-1** as 1(1).

5.2.2 ECP Category 2

ECP Category 2 is defined as “areas where only release or disposal of petroleum products has occurred” (ASTM 2002). ECP Category 2 consists of two parcels and 0.90 acres of land. The ECP Category 2 parcels are presented in **Table 5-1**. The parcels are identified on **Figure 5-1** and summarized in **Table 5-5**.

Acres	Parcels
0.90	6(2)PR 8(2)PR

5.2.3 ECP Category 3

ECP Category 3 is defined as “areas 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 response” (ASTM 2002). No parcels were identified as ECP Category 3 at RRAD WEP.

5.2.4 ECP Category 4

ECP Category 4 is defined as “areas where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred, and all removal or remedial actions necessary to protect human health and the environment have been taken” (ASTM 2002). ECP Category 4 consists of one parcel and 9.08 acres of land. The ECP Category 4 parcel is presented in **Table 5-2**. The parcel is being addressed under the IRP. The parcel is identified on **Figure 5-1** and summarized in **Table 5-5**.

TABLE 5-2 ECP CATEGORY 4 PARCELS	
Acres	Parcels
9.08	4(4)HR

5.2.5 ECP Category 5

ECP Category 5 is defined as “areas where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred, and removal or remedial actions, or both, are under way, but all required actions have not yet been taken yet” (ASTM 2002). No parcels were identified as ECP Category 5 at RRAD WEP.

5.2.6 ECP Category 6

ECP Category 6 is defined as “areas where release, disposal, or migration, or some combination thereof, of hazardous substances has occurred, but required remedial actions have not yet been initiated” (ASTM 2002). ECP Category 6 consists of three parcels and 205.14 acres of land. The ECP Category 6 parcels are presented in **Table 5-3**. The parcels are identified on **Figure 5-1** and summarized in **Table 5-5**.

TABLE 5-3 ECP CATEGORY 6 PARCELS	
Acres	Parcels
205.14	2(6)HRX 3(6)HRX 5(6)HRX



5.2.7 ECP Category 7

ECP Category 7 is defined as “areas that are unevaluated or require additional evaluation” (ASTM 2002). ECP Category 7 consists of three parcels and 11.43 acres of land. Based on available information obtained during the ECP process, these parcels have either not been evaluated or require additional evaluation. The ECP Category 7 parcels are presented in **Table 5-4**. The parcels are identified on **Figure 5-1** and summarized in **Table 5-5**.

TABLE 5-4 ECP CATEGORY 7 PARCELS	
Acres	Parcels
11.43	7(7)X 9(7)HRPR 10(7)HRPR



**TABLE 5-5
QUALIFIED LAND PARCELS AND JUSTIFICATIONS**

Parcel No. & Labels	Location (X,Y Coordinates)	Approx Size (Acres)	Area	ECP Category	Basis	Source of Evidence	Remediation/Mitigation
1(1)	-	3,608.45		1	This parcel is associated with the undeveloped open areas of RRAD WEP. These are areas where there has been no documented release, disposal, or known migration from adjacent properties of hazardous substances or petroleum products.*	VSI, Interviews 2006	N/A
2(6)HRX	4-7,3-5	172.65	Southwest Surveillance Function Test Range (MMRP Site - RRAD-009-R-01)	6	According to the HRR and based on the site visit, the following MEC are associated with this site: pyrotechnics, grenade launcher ground signals, hand-held position marker PM-4, grenade fuses, trip flares, and M2 and M16 Series anti-personnel mines.	USAEC 2005, USATCES 2006, VSI 2006	SI funded in 2003 was completed in 2005. Remediation activities may consist of soil removal and/or UXO clearance.
3(6)HRX	5-6,14-16	27.69	Northwest Surveillance Function Test Range (MMRP Site - RRAD-008-R-01)	6	According to the HRR, the following MEC are associated with this site: XM185 2-second delay photoflash cartridges, grenade launcher ground signals, hand held position marker PM-4, land mines, pyrotechnics, grenade fuses, trip flares, and M2 Series anti-personnel mines.	USAEC 2005, USATCES 2006	SI funded in 2003 was completed in 2005. Remediation activities may consist of soil removal and/or UXO clearance.
4(4)HR	8-9,18-19	9.08	OTC Landfill (IRP Site - OTC Burial Site, RRAD-04)	4	From 1942 to 1982, there were several different uses for this site. It was a sewage treatment plant, an industrial waste batch treatment plant, a drum storage area, and finally a landfill. Big Creek flows along the west side of this site. Between 1972 and 1982, four burial sites received containerized compounds, including solvents, pentachlorophenol, and heavy metals. Closure for this RCRA-regulated unit was accomplished by installing a RCRA cap over the entire site in 1985. VOCs have been released to groundwater at the site. DCE, 1,1-trichloroethane, and TCE have been detected in groundwater.	USAEC 2005	A corrective measures implementation plan for a PMZ and a compliance plan permit modification were approved by the TCEQ in March 2006. Groundwater samples are being collected for VOCs and results from the OTC Landfill (OTC Burial Site, RRAD-04) reported semi-annually. In support of the approved PMZ corrective action monitor well network, unessential monitoring wells at this site were plugged in June 2006. LTM will continue indefinitely and LUC are required for the site to restrict groundwater use and excavating activities.
5(6)HRX	10,17	4.80	Explosion Location (A7-07)	6	On 21 August 1996, Storage Igloo A7-07 exploded. Inventory records showed the igloo contained almost 48,000 pounds of explosive weight from contents of approximately 50,000 propellant charges, 36 each bomb fuzes, 108 inert 105MM M1 cartridges, and 5,681 105MM HE cartridges. Debris was observed on the apron and road and the fire was left to burn itself out. The explosion area was extended 300 feet beyond the igloo to ensure all potential MEC was captured. Igloo material and debris were removed to the High Explosive Burning Grounds for demilitarization and was certified explosive-free for DRMO disposal. No sampling was conducted at the site.	RRAD 1996, Interviews 2006	None Apparent
6(2)PR	12,20	0.67	Area of Concern	2	This area previously had two 7,000-gallon ASTs containing fuel oil. The tanks were removed at an unknown date but underground piping is still present.	USACHPPM 1996	None Apparent
7(7)X	7,6	0.01	Building 2155	7	The building is identified as being previously used as a black powder storage magazine. Security forces currently use the building for inert storage.	USATCES 2006, Interviews 2006	None Apparent
8(2)PR	2,17	0.23	Kerosene Spill	2	Kerosene spill from off-site source approximately 1.5 miles from the RRAD boundary. The kerosene spill migrated approximately 200 feet on RRAD WEP property. RRAD personnel cleaned up the impacted RRAD WEP property.	VSI, Interviews 2006	None Apparent



TABLE 5-5 QUALIFIED LAND PARCELS AND JUSTIFICATIONS							
Parcel No. & Labels	Location (X,Y Coordinates)	Approx Size (Acres)	Area	ECP Category	Basis	Source of Evidence	Remediation/Mitigation
9(7)HRPR	6,20	0.77	Area of Concern	7	This is a possible storage area for affiliated operations machinery and temporary maintenance shed. The area's use could not be determined during the VSI.	Interviews 2006	None Apparent
10(7)HRPR	3,18-20	10.65	Area of Concern	7	This area is believed to be an area of construction or possible dumping of hazardous materials.	Interviews 2006	None Apparent

Notes:

Qualified parcel label definitions are as follows:

HR = Hazardous Substance Release or Disposal

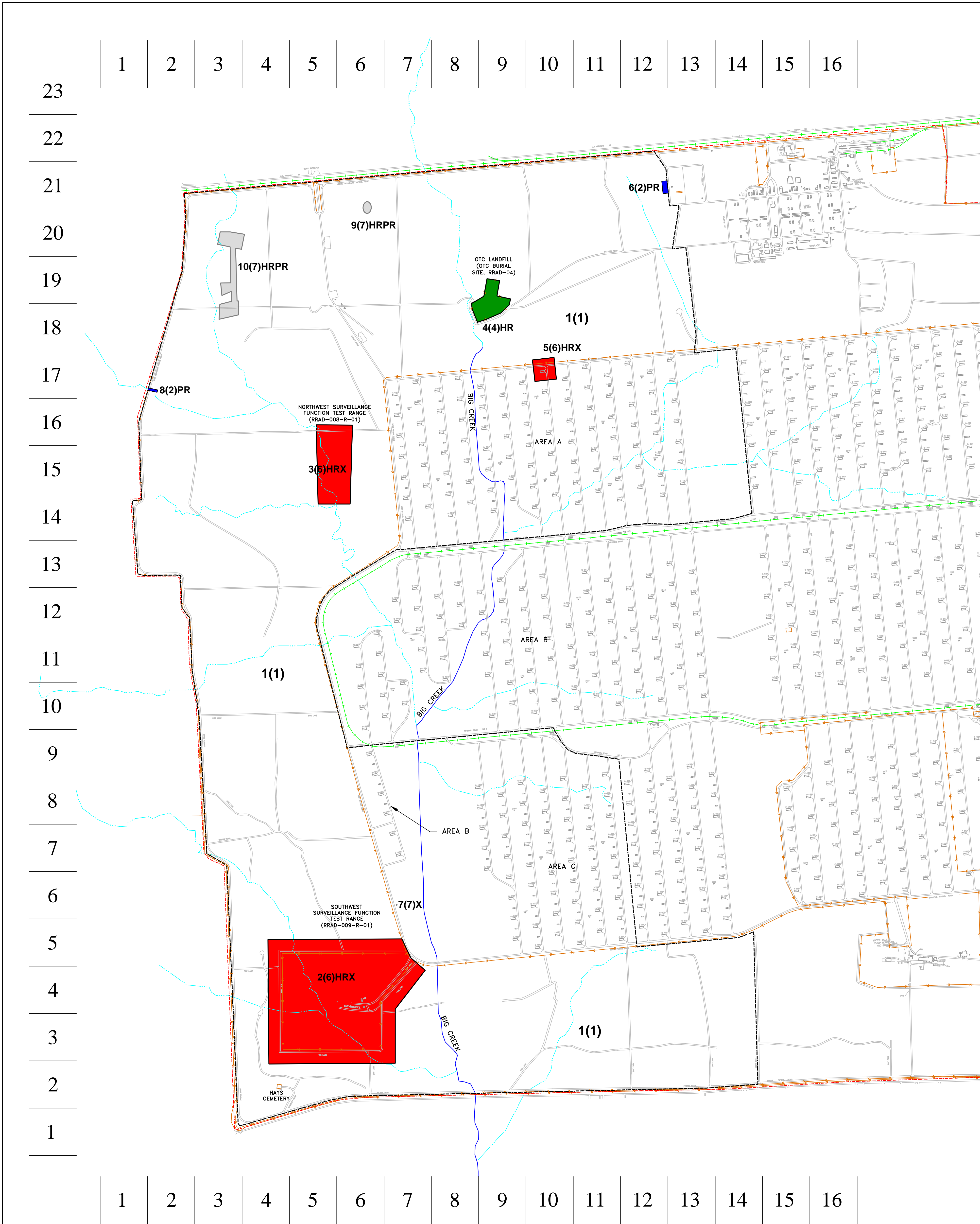
PR = Petroleum Substance Release or Disposal

X = Explosive Hazard/MEC (which includes DMM, UXO, and MC)

* The Category 1 acreage can be described as follows:

- Forested land (approximately 2,055 acres)
- Other vegetative areas (approximately 505 acres)
- Munition storage (approximately 1,048 acres)



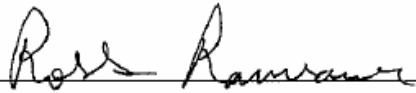


<p>LEGEND</p> <ul style="list-style-type: none"> --- WEST EXCESS PROPERTY BOUNDARY - - - DEPOT BOUNDARY --- RAILROAD TRACKS --- FENCE --- PERENNIAL STREAM --- INTERMITTENT STREAM --- IGLD00 □ Y-SITE 	<p>ECP CATEGORY 1 AREAS WHERE NO RELEASE OR DISPOSAL OF HAZARDOUS SUBSTANCES OR PETROLEUM PRODUCTS OR THEIR DERIVATIVES HAS OCCURRED, AND TO WHICH THERE HAS BEEN NO MIGRATION OF SUCH SUBSTANCES FROM ADJACENT AREAS.</p> <p>ECP CATEGORY 2 AREAS WHERE ONLY RELEASE OR DISPOSAL OF PETROLEUM PRODUCTS HAS OCCURRED.</p> <p>ECP CATEGORY 3 AREAS 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 RESPONSE.</p> <p>ECP CATEGORY 4 AREAS WHERE RELEASE, DISPOSAL, OR MIGRATION, OR SOME COMBINATION THEREOF, OF HAZARDOUS SUBSTANCES HAS OCCURRED, AND ALL REMOVAL OR REMEDIAL ACTIONS NECESSARY TO PROTECT HUMAN HEALTH AND THE ENVIRONMENT HAVE BEEN TAKEN.</p> <p>ECP CATEGORY 5 AREAS WHERE RELEASE, DISPOSAL, OR MIGRATION, OR SOME COMBINATION THEREOF, OF HAZARDOUS SUBSTANCES HAS OCCURRED, BUT REQUIRED REMEDIAL ACTIONS HAVE NOT YET BEEN INITIATED.</p> <p>ECP CATEGORY 6 AREAS WHERE RELEASE, DISPOSAL, OR MIGRATION, OR SOME COMBINATION THEREOF, OF HAZARDOUS SUBSTANCES HAS OCCURRED, BUT REQUIRED REMEDIAL ACTIONS HAVE NOT YET BEEN INITIATED.</p> <p>ECP CATEGORY 7 AREAS THAT ARE UNEVALUATED OR REQUIRE ADDITIONAL EVALUATION.</p>	<p>EXAMPLE PARCEL DESIGNATION</p> <p>99(7)HRPRX 99 PARCEL DESIGNATION (7) ECP CATEGORY HR HAZARDOUS SUBSTANCE RELEASE OR DISPOSAL PR PETROLEUM SUBSTANCE RELEASE OR DISPOSAL X EXPLOSIVE HAZARD/MEC, WHICH INCLUDES DM, UXO, AND MC</p>	<p>SCALE IN FEET</p> <p>1000 500 0 1000</p> <p>URS</p> <p>ENVIRONMENTAL CONDITION OF PROPERTY PARCEL MAP WEST EXCESS PROPERTY RED RIVER ARMY DEPOT TEXARKANA, TEXAS</p> <table border="1"> <tr> <td>DRN. BY: OPS</td> <td>DATE: 11/27/08</td> <td>PROJECT NO:</td> <td>FIG. NO:</td> </tr> <tr> <td>CHKD. BY: JCH</td> <td>REVISION: 4</td> <td>16170064</td> <td>5-1</td> </tr> </table>	DRN. BY: OPS	DATE: 11/27/08	PROJECT NO:	FIG. NO:	CHKD. BY: JCH	REVISION: 4	16170064	5-1
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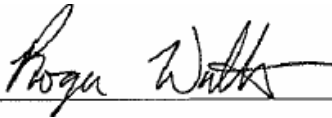
SECTION SIX

Certification

All information/documentation provided accurately reflects the condition of the property. This report meets the DOD requirements for completion of an Environmental Condition of Property Report.



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Red River Army Depot



Roger H. Walton, P. E.
Environmental Engineer
U. S. Army Environmental Center



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**TABLE A-1
BUILDING LIST, USE DESCRIPTION, AND EXPLOSIVE HAZARD CLASSIFICATIONS**

BUILDING OR STORAGE IGLOO NO.	BUILDING OR STORAGE IGLOO USE	YEAR BUILT	SIZE (sf)	EXPLOSIVES CLASSIFICATION¹ (1X, 3X, 5X)	EXPLOSIVE HAZARD CLASSIFICATION² (Significant, Limited, Not Suspected)	RATIONALE
Area A - Explosives storage						
A1-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A1-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A1-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A1-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A1-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A1-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A1-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A2-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A2-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A2-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A2-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A2-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A2-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A2-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A3-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A3-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A3-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A3-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A3-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A3-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A3-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A4-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.



**TABLE A-1
BUILDING LIST, USE DESCRIPTION, AND EXPLOSIVE HAZARD CLASSIFICATIONS**

BUILDING OR STORAGE IGLOO NO.	BUILDING OR STORAGE IGLOO USE	YEAR BUILT	SIZE (sf)	EXPLOSIVES CLASSIFICATION¹ (1X, 3X, 5X)	EXPLOSIVE HAZARD CLASSIFICATION² (Significant, Limited, Not Suspected)	RATIONALE
A4-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A4-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A4-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A4-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A4-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A4-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A5-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A5-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A5-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A5-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A5-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A5-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A5-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A6-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A6-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A6-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A6-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A6-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A6-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A6-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A7-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A7-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A7-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.



**TABLE A-1
BUILDING LIST, USE DESCRIPTION, AND EXPLOSIVE HAZARD CLASSIFICATIONS**

BUILDING OR STORAGE IGLOO NO.	BUILDING OR STORAGE IGLOO USE	YEAR BUILT	SIZE (sf)	EXPLOSIVES CLASSIFICATION¹ (1X, 3X, 5X)	EXPLOSIVE HAZARD CLASSIFICATION² (Significant, Limited, Not Suspected)	RATIONALE
A7-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A7-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A7-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A8-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A8-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A8-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A8-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A8-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A8-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A8-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A9-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A9-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A9-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A9-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A9-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A9-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A9-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A10-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A10-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A10-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A10-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A10-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A10-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.



**TABLE A-1
BUILDING LIST, USE DESCRIPTION, AND EXPLOSIVE HAZARD CLASSIFICATIONS**

BUILDING OR STORAGE IGLOO NO.	BUILDING OR STORAGE IGLOO USE	YEAR BUILT	SIZE (sf)	EXPLOSIVES CLASSIFICATION¹ (1X, 3X, 5X)	EXPLOSIVE HAZARD CLASSIFICATION² (Significant, Limited, Not Suspected)	RATIONALE
A10-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A11-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A11-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A11-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A11-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A11-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A11-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A11-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A12-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A12-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A12-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A12-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A12-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A12-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A12-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A13-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A13-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A13-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A13-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A13-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A13-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A13-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A14-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.



**TABLE A-1
BUILDING LIST, USE DESCRIPTION, AND EXPLOSIVE HAZARD CLASSIFICATIONS**

BUILDING OR STORAGE IGLOO NO.	BUILDING OR STORAGE IGLOO USE	YEAR BUILT	SIZE (sf)	EXPLOSIVES CLASSIFICATION¹ (1X, 3X, 5X)	EXPLOSIVE HAZARD CLASSIFICATION² (Significant, Limited, Not Suspected)	RATIONALE
A14-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A14-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A14-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A14-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A14-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
A14-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
10 Storm Shelters	Storm Shelter	1942	168	None	Not Suspected	No explosives expected.
Area B - Explosives storage						
B18-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
B18-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
B18-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
B18-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
B18-10	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
B18-11	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
Area C - Explosives storage						
C6-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C6-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C6-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C6-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C6-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C6-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C6-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C6-08	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.



**TABLE A-1
BUILDING LIST, USE DESCRIPTION, AND EXPLOSIVE HAZARD CLASSIFICATIONS**

BUILDING OR STORAGE IGLOO NO.	BUILDING OR STORAGE IGLOO USE	YEAR BUILT	SIZE (sf)	EXPLOSIVES CLASSIFICATION¹ (1X, 3X, 5X)	EXPLOSIVE HAZARD CLASSIFICATION² (Significant, Limited, Not Suspected)	RATIONALE
C6-09	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C7-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C7-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C7-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C7-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C7-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C7-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C7-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C7-08	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C8-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C8-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C8-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C8-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C8-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C8-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C8-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C8-08	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C8-09	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C9-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C9-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C9-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C9-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C9-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.



**TABLE A-1
BUILDING LIST, USE DESCRIPTION, AND EXPLOSIVE HAZARD CLASSIFICATIONS**

BUILDING OR STORAGE IGLOO NO.	BUILDING OR STORAGE IGLOO USE	YEAR BUILT	SIZE (sf)	EXPLOSIVES CLASSIFICATION¹ (1X, 3X, 5X)	EXPLOSIVE HAZARD CLASSIFICATION² (Significant, Limited, Not Suspected)	RATIONALE
C9-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C9-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C9-08	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C10-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C10-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C10-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C10-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C10-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C10-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C10-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C10-08	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C10-09	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C11-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C11-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C11-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C11-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C11-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C11-06	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C11-07	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C11-08	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C12-01	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C12-02	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C12-03	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.



**TABLE A-1
BUILDING LIST, USE DESCRIPTION, AND EXPLOSIVE HAZARD CLASSIFICATIONS**

BUILDING OR STORAGE IGLOO NO.	BUILDING OR STORAGE IGLOO USE	YEAR BUILT	SIZE (sf)	EXPLOSIVES CLASSIFICATION¹ (1X, 3X, 5X)	EXPLOSIVE HAZARD CLASSIFICATION² (Significant, Limited, Not Suspected)	RATIONALE
C12-04	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
C12-05	Finished Ammunition Igloo	1942	1,803	1X	Limited	Low possibility of traces of spilled explosives.
5 Storm Shelters	Storm Shelter	1942	168	None	Not Suspected	No explosives expected.
2155	Former Gun Powder Storage Bldg	1942	40	1X	Limited	Low possibility of traces of spilled explosives.
Southwest Surveillance Function Test Range Buildings						
850	Storage Shed in Southwest Surveillance Function Test Range	Unknown	Unknown	1X	Limited	Low possibility of traces of spilled explosives. In 1996 during a site visit, RRAD personal observed inert grenades and a fuze inside Building 850.

Notes:

¹ Explosives Classifications were assigned based on the United States Headquarters Department of the Army (USHQDA) Technical Bulletin 700-4, October 1978 (USHQDA 1978).

² Explosive Hazard Classifications were assigned based on the United States Department of the Army, Huntsville Center, Corps of Engineers Memorandum entitled, "Buildings and Installed Equipment Containing Explosives Residues that Present Explosion Hazards, Military Munitions (MM) Center of Expertise (CX) Interim Guidance Document 06-03 (USACE 2006).

Sources: EEM 2006, RROD 1962



**TABLE A-2
BUILDING QUALIFICATIONS
STORAGE OF FINISHED MUNITIONS**

Qualified Parcel Designation	Year Built	Size (sf)	Acres	Basis	Evidence
Area A					
A1-01 AL through A1-07 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
A2-01 AL through A2-07 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
A3-01 AL through A3-07 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
A4-01 AL through A4-07 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
A5-01 AL through A5-07 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
A6-01 AL through A6-07 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
A7-01 AL through A7-06 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
A7-07 AL (former building; explosion in 1996)	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
A8-01 AL through A8-08 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
A9-01 AL through A9-07 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
A10-01 AL through A10-07 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
A11-01 AL through A11-07 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
A12-01 AL through A12-07 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
A13-01 AL through A13-07 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006



**TABLE A-2
BUILDING QUALIFICATIONS
STORAGE OF FINISHED MUNITIONS**

Qualified Parcel Designation	Year Built	Size (sf)	Acres	Basis	Evidence
A14-01 AL through A14-07 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
Area B					
B18-01 AL through B18-04 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
B18-10 AL through B18-11 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
Area C					
C6-01 AL through C6-09 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
C7-01 AL through C7-08 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
C8-01 AL through C8-09 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
C9-01 AL through C9-08 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
C10-01 AL through C10-09	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
C11-01 AL through C11-08 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
C12-01 AL through C12-05 AL	1942	1,803	0.041	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006
2155 AL	1942	40	0.001	ACM assumed due to construction date.	RRAD 1996, RRAD SA 2006
				LBP assumed due to construction date.	RRAD SA 2006

Notes:

Igloo acreage totals provided by (RROD 1962).

Asbestos identification is based on RRAD correspondence dated 4 September 1996 (RRAD 1996) and RRAD interviews (RRAD SA 2006).

According to VSI, buildings built during or before 1980 are assumed to contain LBP.

Acronym list:

ACM = asbestos-containing material

LBP = lead-based paint

RRAD = Red River Army Depot

RROD = Red River Ordnance Depot

SF = square feet

VSI = visual site inspection

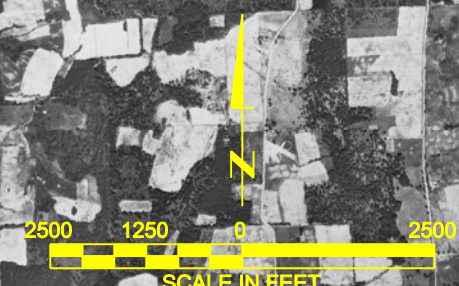
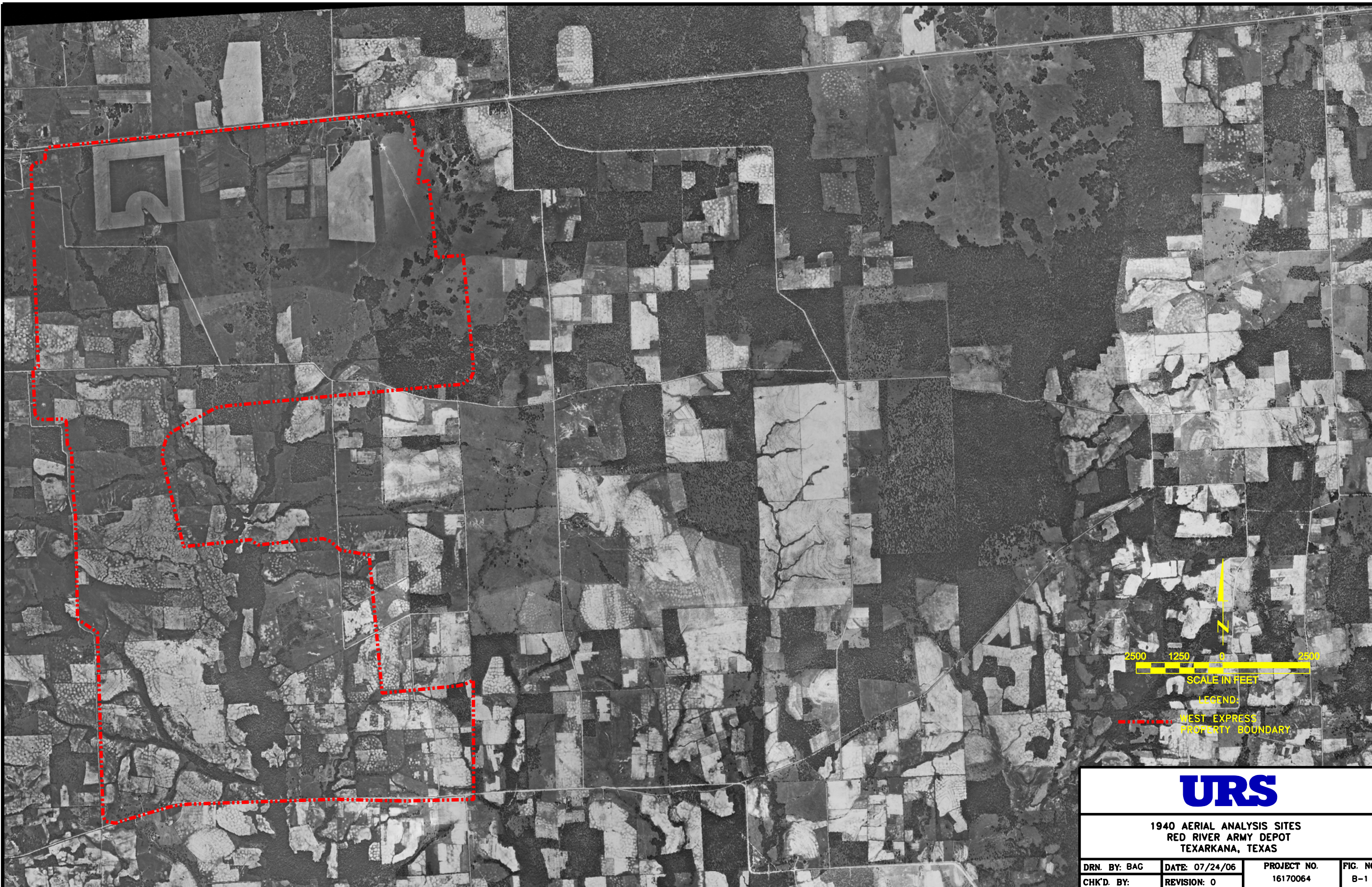
Qualified Parcel Designations:

A = asbestos-containing material


L = lead-based paint

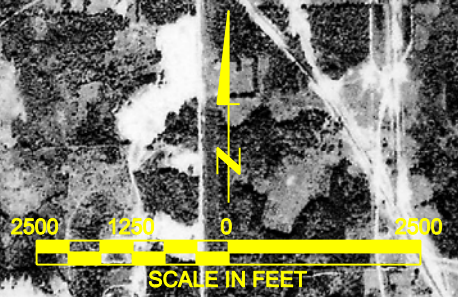
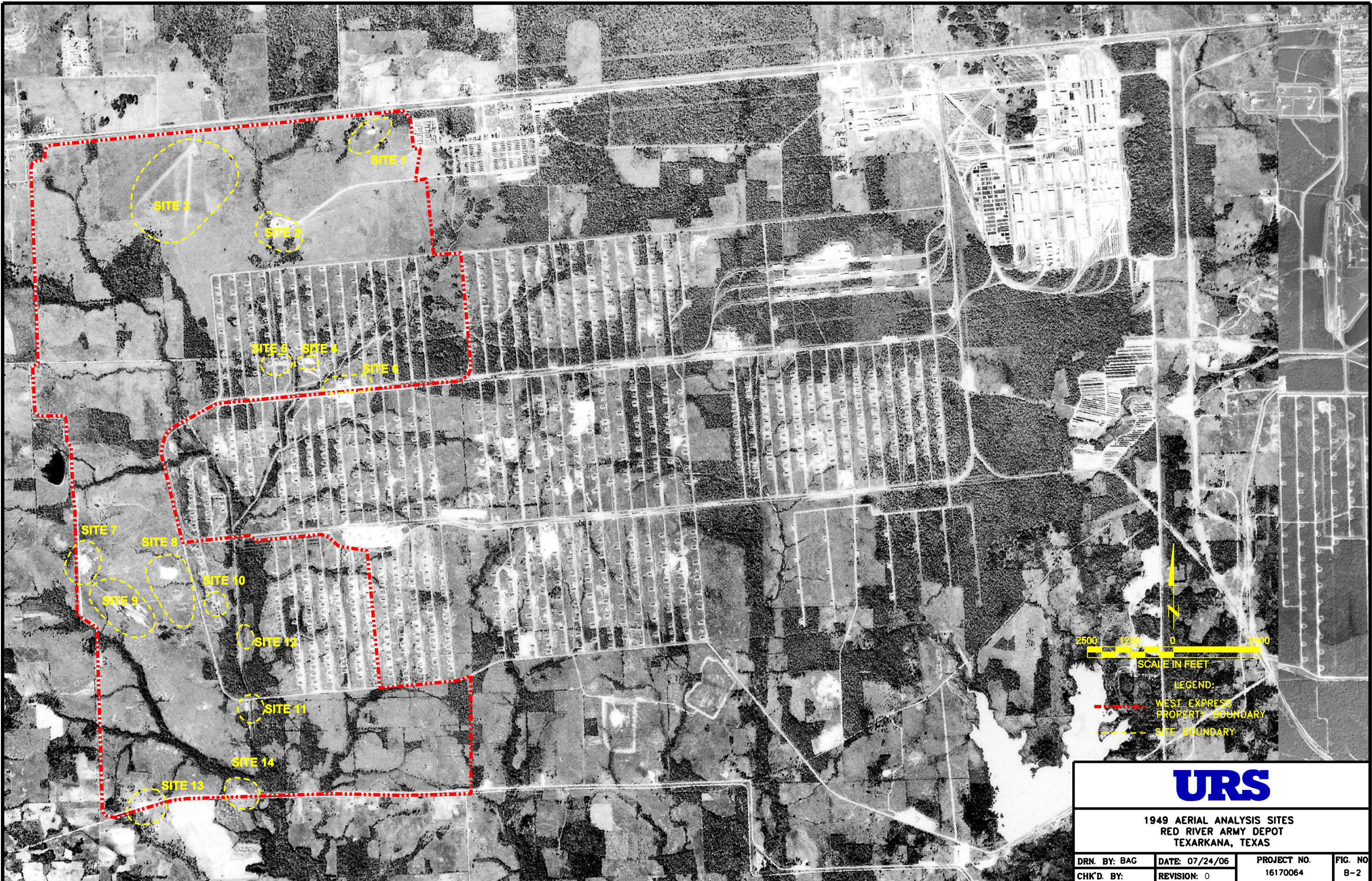






LEGEND:
- - - - - WEST EXPRESS
PROPERTY BOUNDARY

			
1940 AERIAL ANALYSIS SITES RED RIVER ARMY DEPOT TEXARKANA, TEXAS			
DRN. BY: BAG	DATE: 07/24/06	PROJECT NO. 16170064	FIG. NO. B-1
CHK'D. BY:	REVISION: 0		

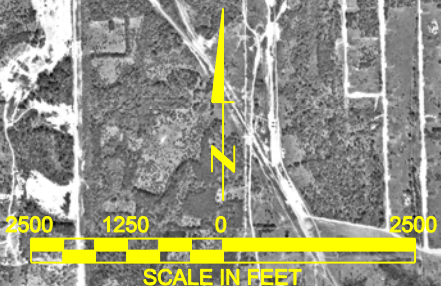


LEGEND:
 - - - - - WEST EXPRESS PROPERTY BOUNDARY
 - - - - - SITE BOUNDARY


URS

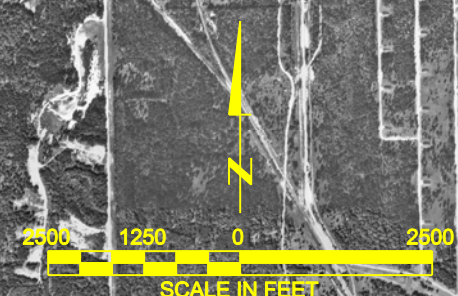
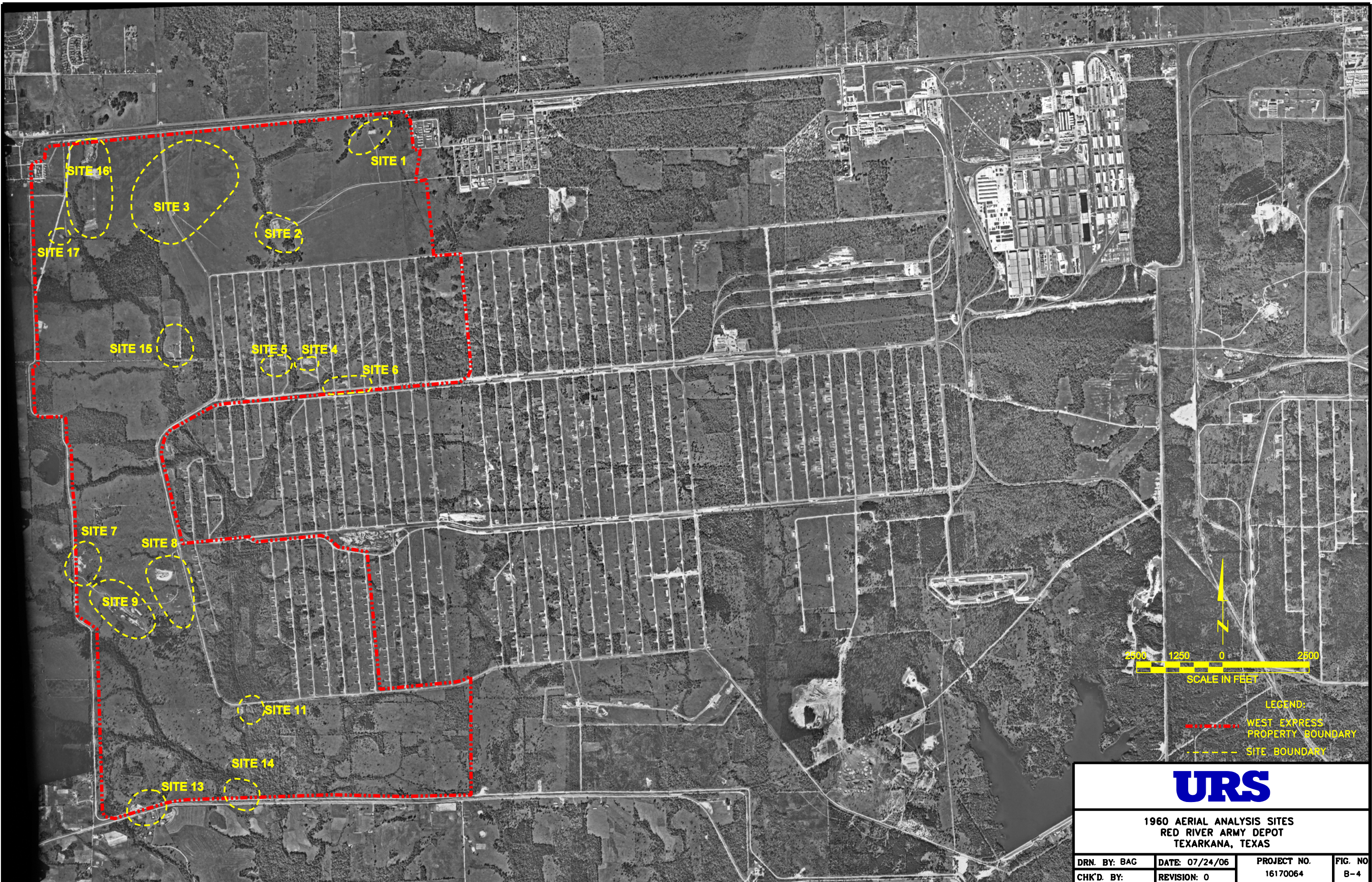
1949 AERIAL ANALYSIS SITES
 RED RIVER ARMY DEPOT
 TEXARKANA, TEXAS

DRN. BY: BAG	DATE: 07/24/06	PROJECT NO.	FIG. NO.
CHK'D. BY:	REVISION: 0	16170064	B-2



LEGEND:
- - - - - WEST EXPRESS
PROPERTY BOUNDARY
- - - - - SITE BOUNDARY

			
1953 AERIAL ANALYSIS SITES RED RIVER ARMY DEPOT TEXARKANA, TEXAS			
DRN. BY: BAG	DATE: 07/24/06	PROJECT NO. 16170064	FIG. NO. B-3
CHK'D. BY:	REVISION: 0		

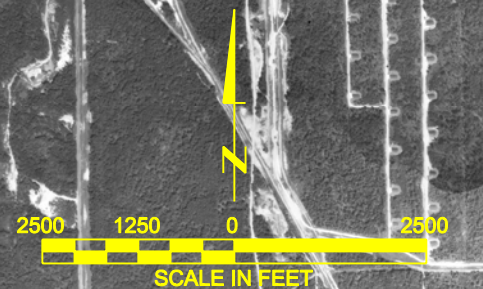


LEGEND:
 - - - - - WEST EXPRESS PROPERTY BOUNDARY
 - - - - - SITE BOUNDARY



**1960 AERIAL ANALYSIS SITES
 RED RIVER ARMY DEPOT
 TEXARKANA, TEXAS**

DRN. BY: BAG	DATE: 07/24/06	PROJECT NO. 16170064	FIG. NO. B-4
CHK'D. BY:	REVISION: 0		

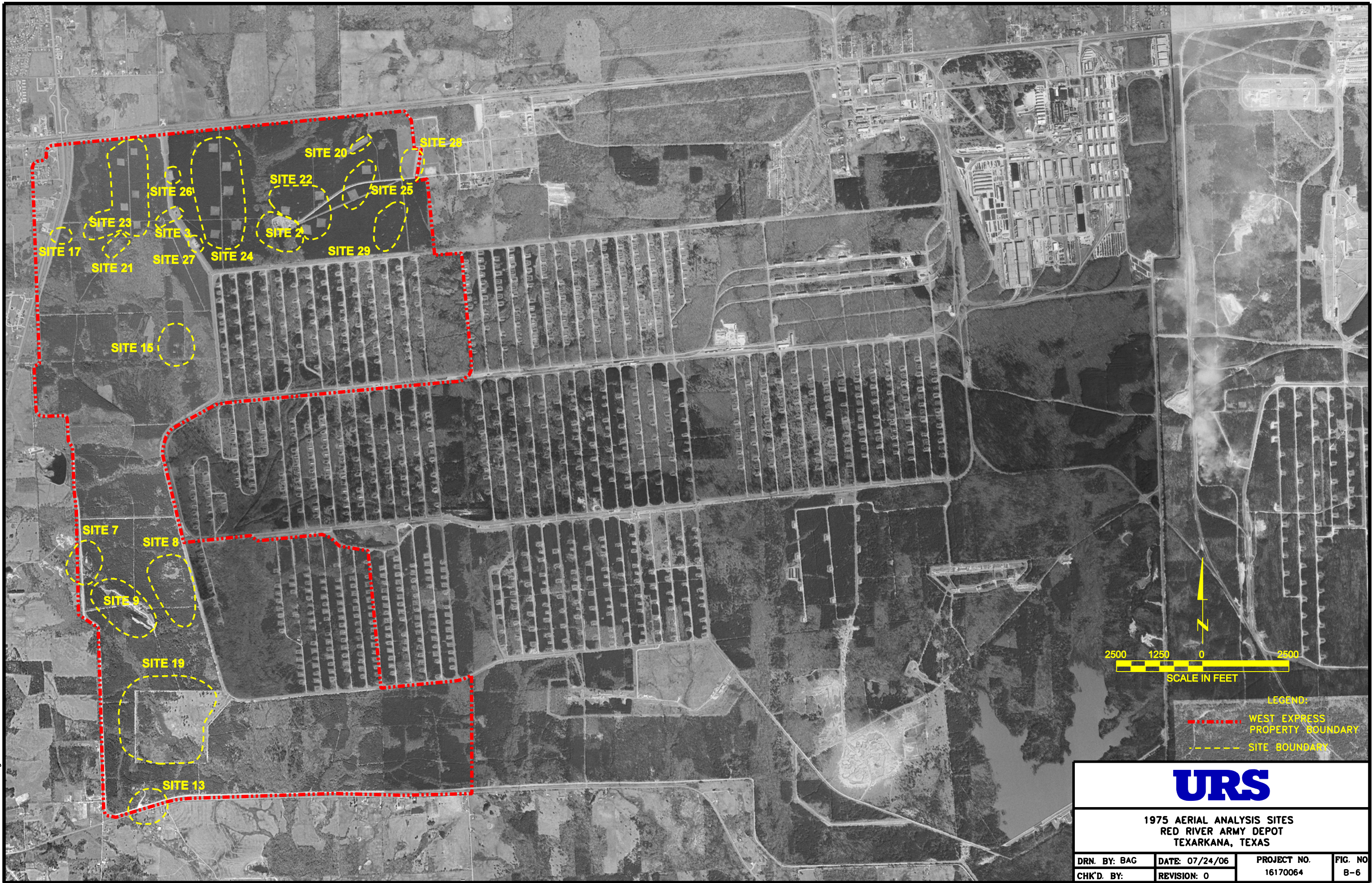


LEGEND:
 - - - - - WEST EXPRESS PROPERTY BOUNDARY
 - - - - - SITE BOUNDARY



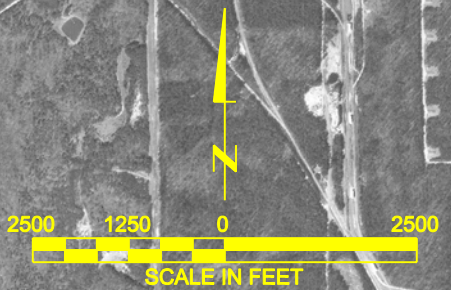
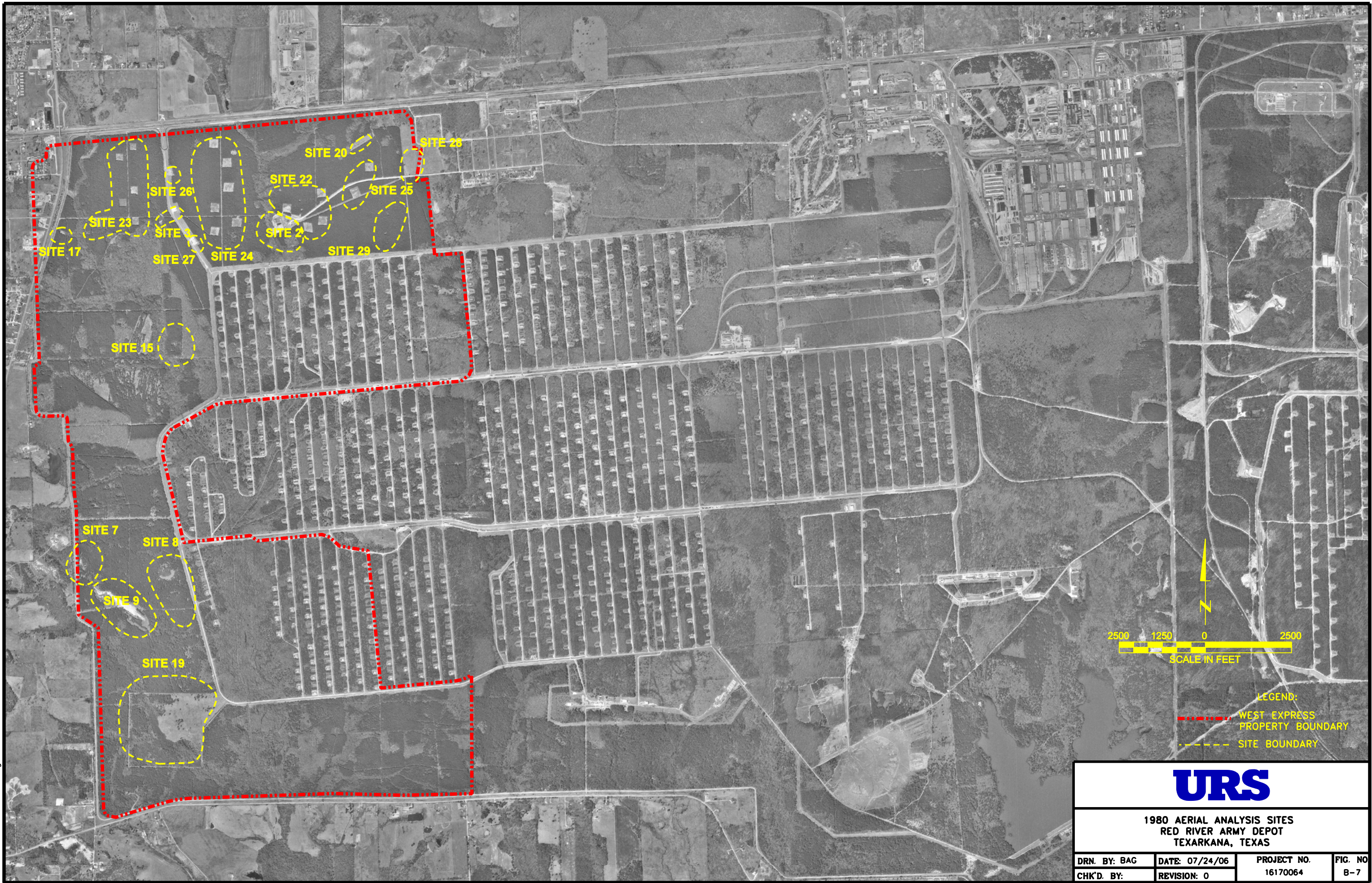
**1968 AERIAL ANALYSIS SITES
 RED RIVER ARMY DEPOT
 TEXARKANA, TEXAS**

DRN. BY: BAG	DATE: 07/24/06	PROJECT NO. 16170064	FIG. NO. B-5
CHK'D. BY:	REVISION: 0		



**1975 AERIAL ANALYSIS SITES
RED RIVER ARMY DEPOT
TEXARKANA, TEXAS**

DRN. BY: BAG	DATE: 07/24/06	PROJECT NO. 16170064	FIG. NO. B-6
CHK'D. BY:	REVISION: 0		



LEGEND:
 - - - - - WEST EXPRESS PROPERTY BOUNDARY
 - - - - - SITE BOUNDARY



1980 AERIAL ANALYSIS SITES
 RED RIVER ARMY DEPOT
 TEXARKANA, TEXAS

DRN. BY: BAG	DATE: 07/24/06	PROJECT NO. 16170064	FIG. NO. B-7
CHK'D. BY:	REVISION: 0		



URS

**1995 AERIAL ANALYSIS SITES
 RED RIVER ARMY DEPOT
 TEXARKANA, TEXAS**

DRN. BY: BAG	DATE: 07/24/06	PROJECT NO. 16170064	FIG. NO. B-8
CHK'D. BY:	REVISION: 0		



RED RIVER

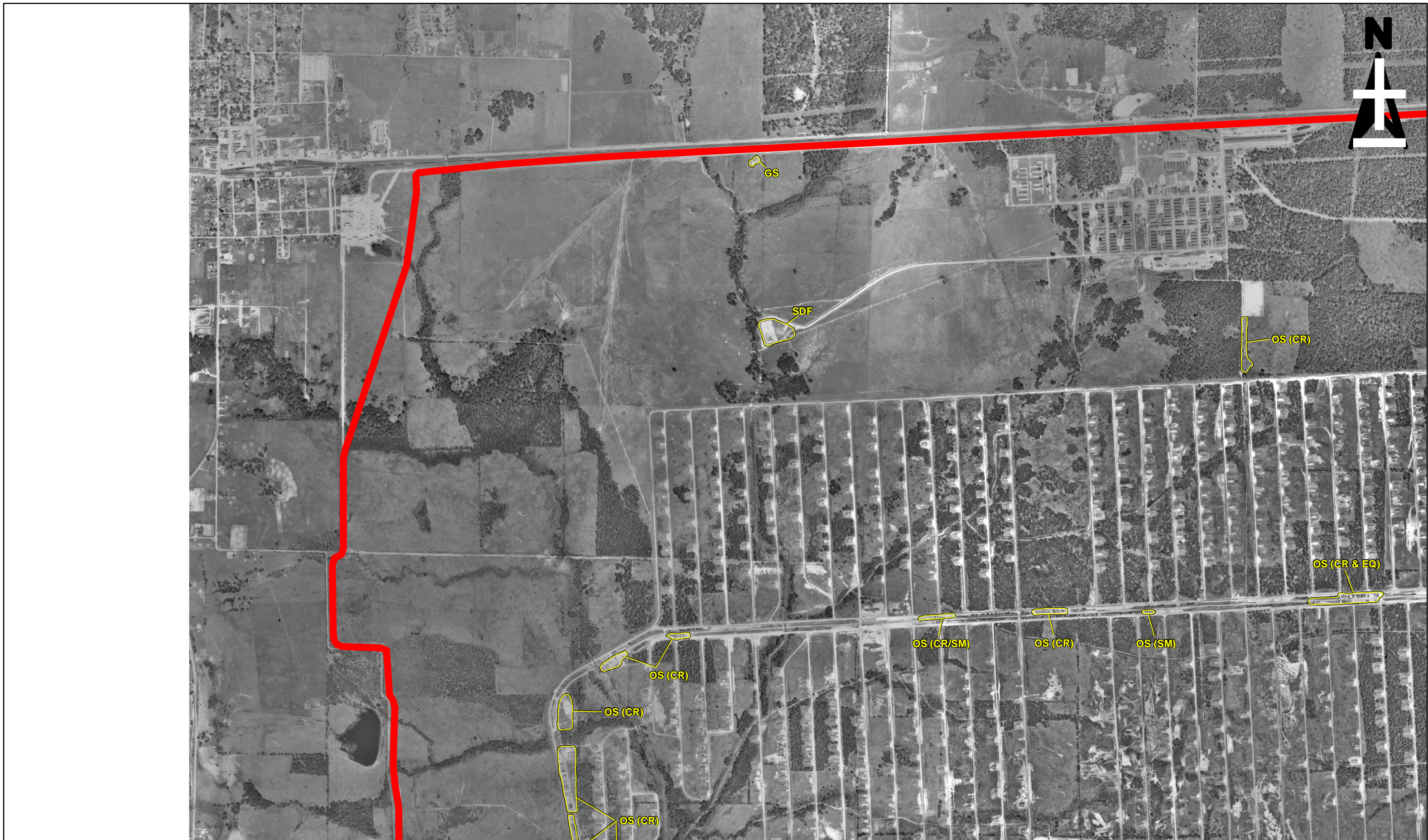
LONE STAR

RED RIVER

**RED RIVER ARMY
DEPOT, TEXAS**

SEPTEMBER 26 & OCTOBER 16, 1940

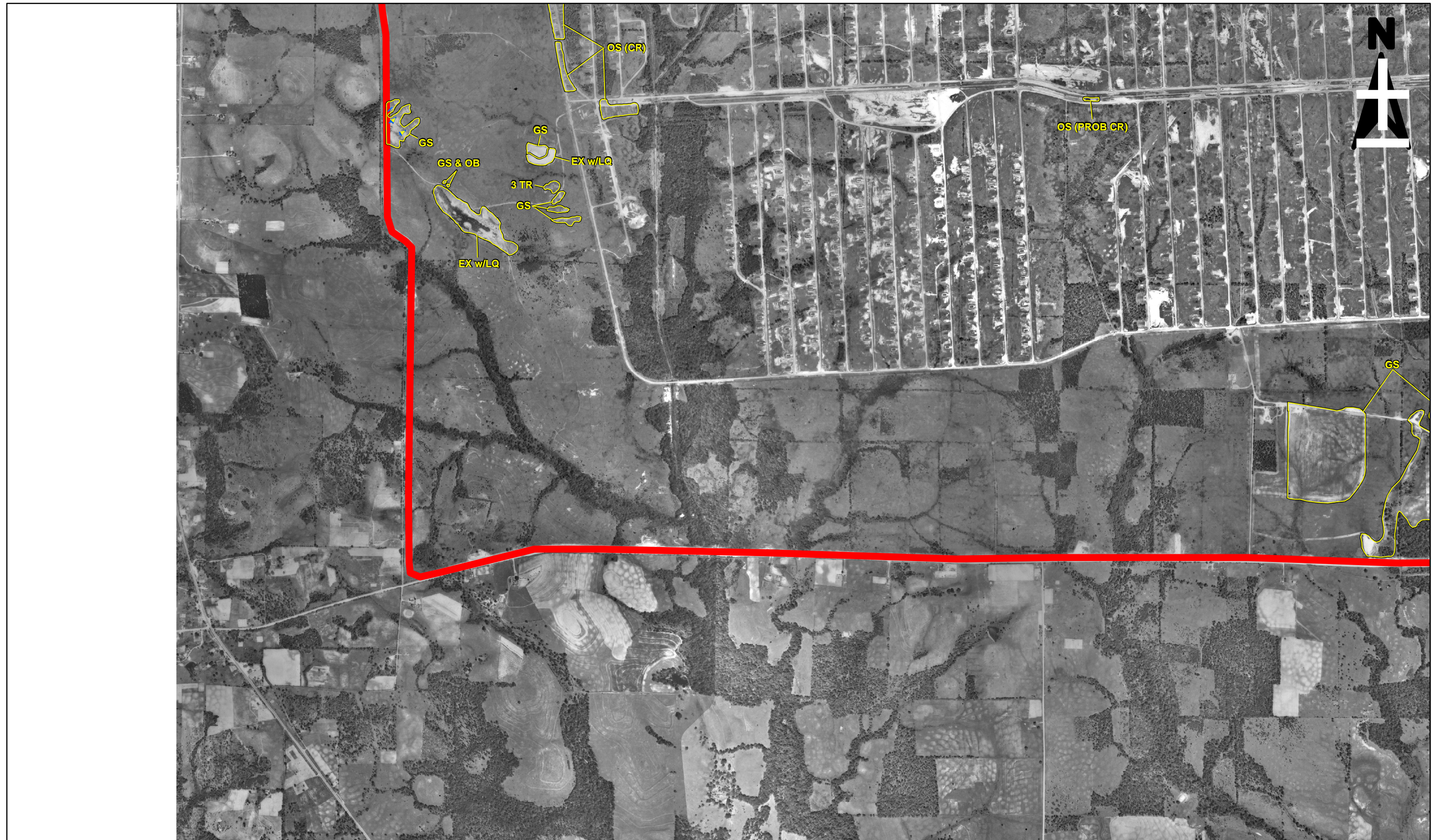
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RED RIVER ARMY
DEPOT, TEXAS - RR1

APRIL 19, 1953

1:17,000



RED RIVER ARMY
DEPOT, TEXAS - RR2

APRIL 19, 1953

1:17,000

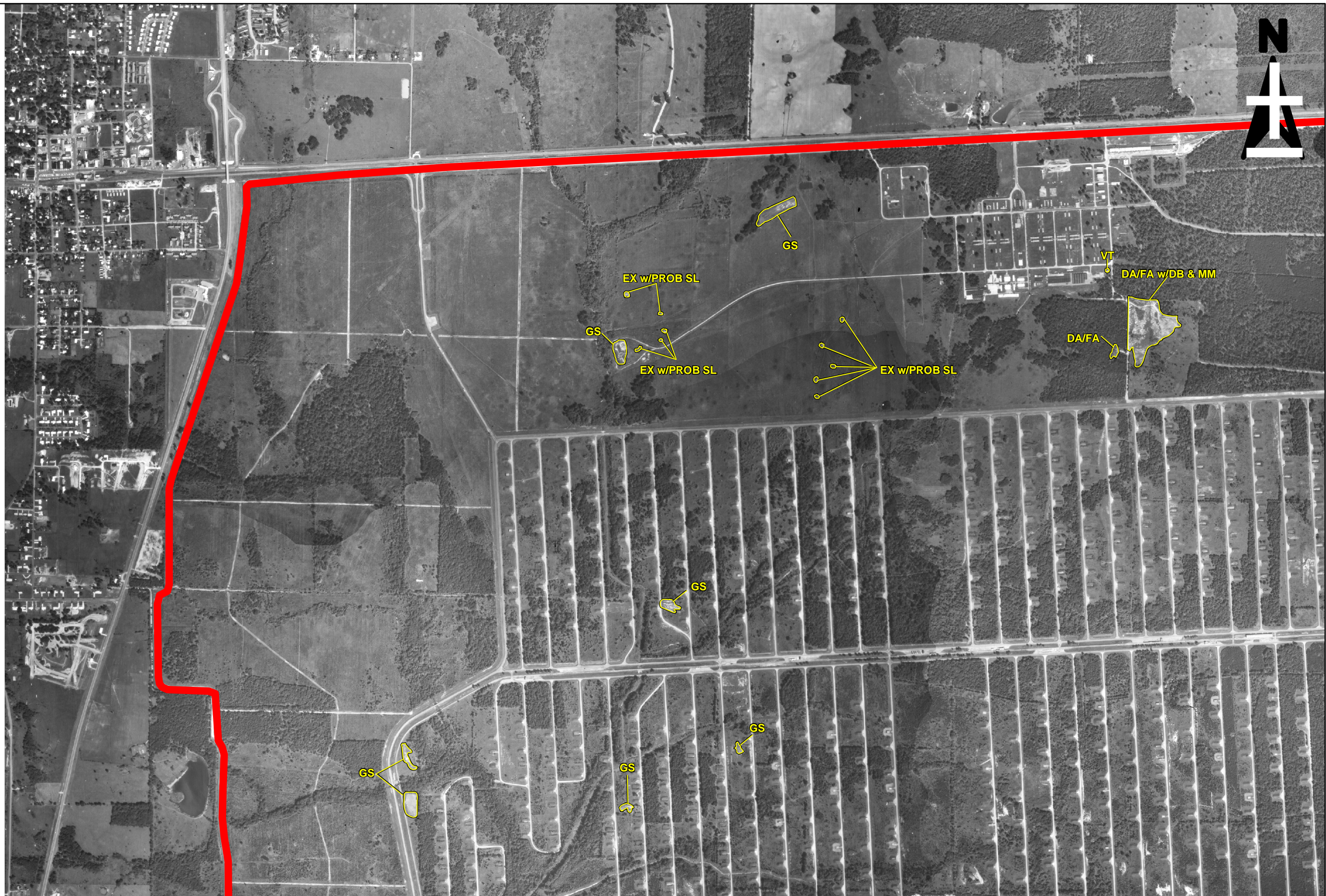


RED RIVER ARMY
DEPOT, TEXAS - RR1

NOVEMBER 6, 1960

1:17,000

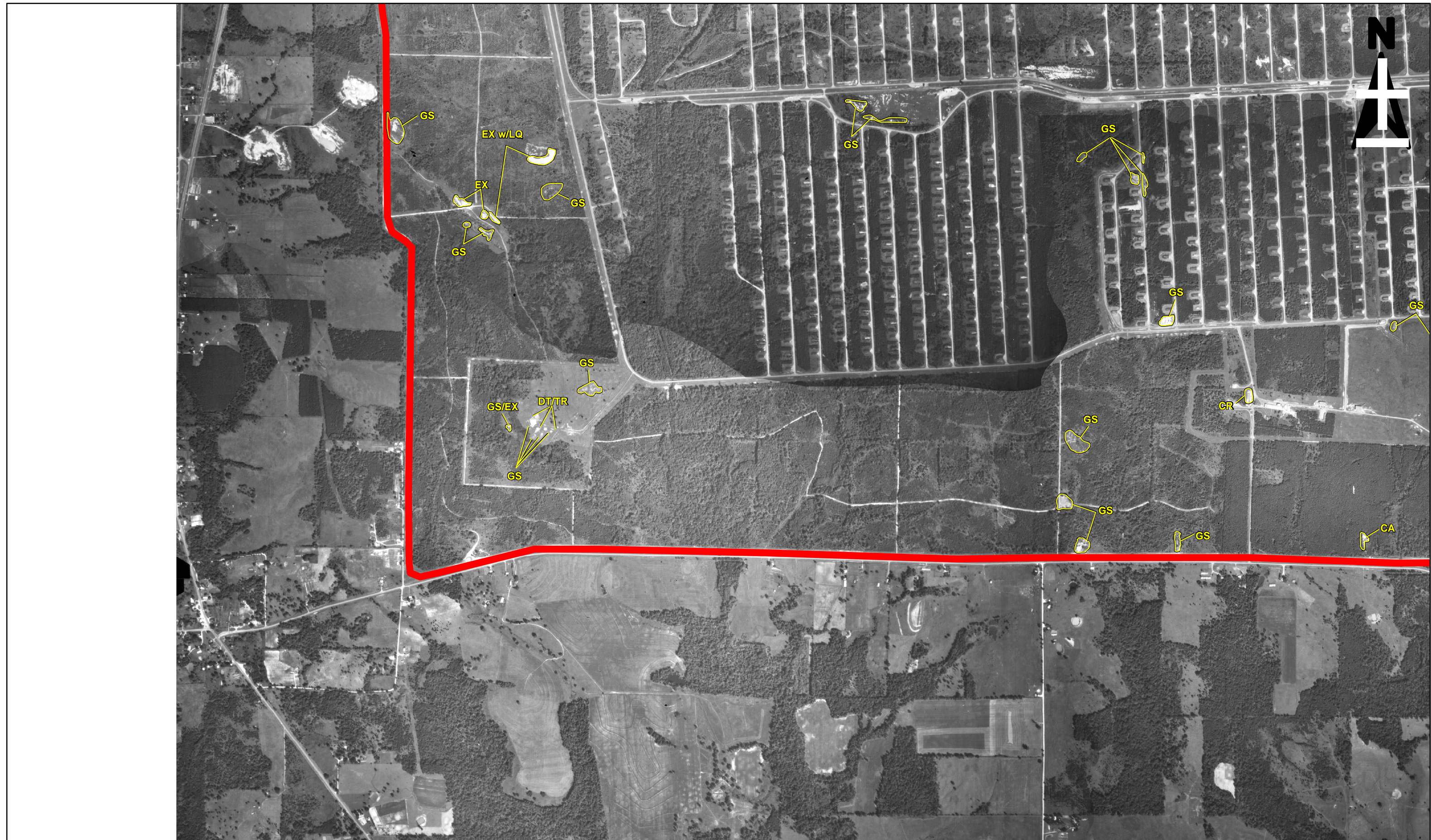




RED RIVER ARMY
DEPOT, TEXAS - RR1

OCTOBER 4 & OCTOBER 18, 1968

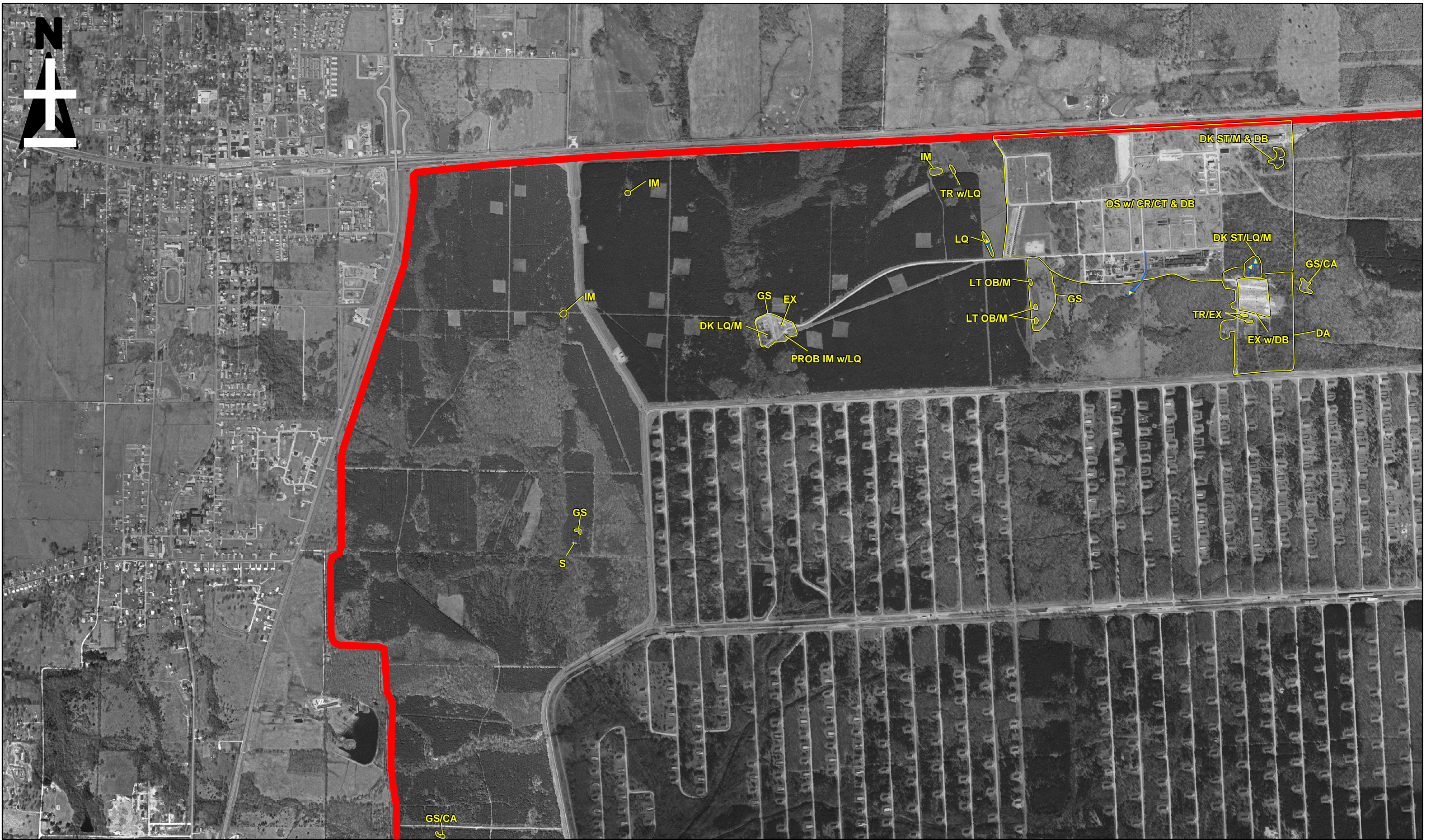
1:17,000



RED RIVER ARMY
DEPOT, TEXAS - RR2

OCTOBER 4 & OCTOBER 18, 1968

1:17,000





RED RIVER ARMY
DEPOT, TEXAS - RR2

FEBRUARY 19 & FEBRUARY 20, 1975

1:17,000



RED RIVER ARMY
DEPOT, TEXAS - RR1

MARCH 18, 1980

1:17,000





Photo Log



Team Members: Jady Harrington, Dean Converse, Andy Young, Heather Tittjung, Cliff Tompkins

Area: Table 1, Northern Area WEP, RRAD

Date: 6/26/2006

Notes:

Photo Number	Photo Description	Site/Area/Bldg.	Potential Env. Cont.	GPS Location
Pic 1	RRAD WEP entrance at the northeast corner looking southwest	Northern Area WEP	No	
Pic 2	RRAD WEP entrance at the northeast corner looking west	Northern Area WEP	No	
Pic 3	White trailers placed by FEMA looking southwest	Northern Area WEP	No	
Pic 4	White trailers placed by FEMA looking south	Northern Area WEP	No	
Pic 5	White trailer placed by FEMA looking north-blocked road	Northern Area WEP	No	
Pic 6	White trailer placed by FEMA looking south-blocked road	Northern Area WEP	No	
Pic 7	Monitoring well for OTC Landfill looking west	Northern Area WEP	No	
Pic 8	OTC Landfill looking west	Northern Area WEP	No	
Pic 9	OTC Landfill looking southwest	Northern Area WEP	No	
Pic 10	Pond with lily pads looking northeast	Northern Area WEP	No	
Pic 11	Pond with lily pads looking northeast	Northern Area WEP	No	
Pic 12	Razor wire (training area) looking east	Northern Area WEP	No	
Pic 13	Razor wire (training area) looking east	Northern Area WEP	No	
Pic 14	Razor wire (training area) looking east	Northern Area WEP	No	
Pic 15	Razor wire (training area) looking west	Northern Area WEP	No	
Pic 16	Vegetation with discoloration looking east	Northern Area WEP	No	
Pic 17	Sewage Treatment Plant effluent stream looking southeast	Northern Area WEP	No	
Pic 18	Sewage Treatment Plant effluent stream looking southwest	Northern Area WEP	No	
Pic 19	Pipes laying in old dumping area looking east	Northern Area WEP	Yes	
Pic 20	Sludge in the dumping area looking north	Northern Area WEP	Yes	
Pic 21	Sludge in the dumping area looking north	Northern Area WEP	Yes	
Pic 22	Southwest area of WEP; Southwest Surveillance Function Test Range (Bunker) looking northeast	Northern Area WEP	No	
Pic 23	Creek with kerosene spill looking southeast	Northern Area WEP	No	
Pic 24	Creek with kerosene spill looking southwest	Northern Area WEP	No	

Note: GPS location is required for all areas of previously unidentified potential environmental contamination



**TABLE 1
NORTH MAIN AREA OF RRAD**



Pic 1.JPG



Pic 2.JPG



Pic 3.JPG



Pic 4.JPG



Pic 5.JPG



Pic 6.JPG



Pic 7.JPG



Pic 8.JPG



Pic 9.JPG



Pic 10.JPG



Pic 11.JPG



Pic 12.JPG



**TABLE 1 (Continued)
NORTH MAIN AREA OF RRAD**



Pic 13.JPG



Pic 14.JPG



Pic 15.JPG



Pic 16.JPG



Pic 17.JPG



Pic 18.JPG



Pic 19.JPG



Pic 20.JPG



Pic 21.JPG



Pic 22.JPG



Pic 23.JPG



Pic 24.JPG



Photo Log



Team Members: Jady Harrington, Dean Converse, Andy Young, Heather Tittjung, Cliff Tompkins

Area: Table 2, Part 1, Southern Area WEP, RRAD

Date: 6/26/2006

Notes:

Photo Number	Photo Description	Site/Area/Bldg.	Potential Env. Cont.	GPS Location
Pic 1 South	Effluent stream from New Boston Sewer Plant looking north	Southern Area WEP	No	
Pic 2 South	Effluent stream from New Boston Sewer Plant from east side of Perimeter Road looking north	Southern Area WEP	No	
Pic 3 South	View of pond looking east	Southern Area WEP	No	
Pic 4 South	Second photo of pond looking east	Southern Area WEP	No	
Pic 5 South	View of depression sand hill	Southern Area WEP	No	
Pic 6 South	View of depression sand hill	Southern Area WEP	No	
Pic 7 South	View of depression sand hill	Southern Area WEP	No	
Pic 8 South	View of depression sand hill	Southern Area WEP	No	
Pic 9 South	View of depression sand hill	Southern Area WEP	No	
Pic 10 South	View of depression sand hill	Southern Area WEP	No	
Pic 11 South	View of depression sand hill	Southern Area WEP	No	
Pic 12 South	View of depression sand hill	Southern Area WEP	No	
Pic 13 South	View of depression sand hill	Southern Area WEP	No	
Pic 14 South	Photos from interior of Building 850	Southern Area WEP	No	
Pic 15 South	Photos from interior of Building 850	Southern Area WEP	No	
Pic 16 South	Exterior of Building 850 looking north	Southern Area WEP	No	
Pic 17 South	View of bunker looking east	Southern Area WEP	No	
Pic 18 South	Metal table looking east	Southern Area WEP	No	
Pic 19 South	Galvanized bin looking east approximately 30 to 40 feet	Southern Area WEP	No	
Pic 20 South	Electric pipe entering bunker looking northwest	Southern Area WEP	No	
Pic 21 South	View looking northwest at holding plate approximately 100 feet to the northwest of bunker	Southern Area WEP	No	
Pic 22 South	View of air compressor of test stand looking to the southeast	Southern Area WEP	No	
Pic 23 South	View of Big Creek looking east into creek (near beaver dam)	Southern Area WEP	No	
Pic 24 South	View of gravestone at Hays Cemetery looking east	Southern Area WEP	No	

Note: GPS location is required for all areas of previously unidentified potential environmental contamination



Photo Log



Team Members: Jady Harrington, Dean Converse, Andy Young, Heather Tittjung, Cliff Tompkins

Area: Table 2, Part 2, Southern Area WEP, RRAD

Date: 6/26/2006

Notes:

Photo Number	Photo Description	Site/Area/Bldg.	Potential Env. Cont.	GPS Location
Pic 25 South	View of gravestone in Hays Cemetery looking west	Southern Area WEP	No	
Pic 26 South	View of gravestone in Hays Cemetery looking west	Southern Area WEP	No	
Pic 27 South	View looking northeast at suspected sludge dumping site	Southern Area WEP	No	
Pic 28 South	View of Big Creek from south Perimeter Road looking north	Southern Area WEP	No	
Pic 29 South	View of Big Creek from south Perimeter Road looking south across property boundary	Southern Area WEP	No	
Pic 30 South	View looking north of turtle in Big Creek	Southern Area WEP	No	
Pic 31 South	View of chicken coop looking southeast at Hays homestead site	Southern Area WEP	No	
Pic 32 South	View looking northwest of old pen area	Southern Area WEP	No	
Pic 33 South	View looking northwest of old pen area	Southern Area WEP	No	
Pic 34 South	View of inside of old cistern on Hays homestead	Southern Area WEP	No	
Pic 35 South	View looking south of old cistern on Hays homestead	Southern Area WEP	No	
Pic 36 South	View looking south of old cistern on Hays homestead from further distance	Southern Area WEP	No	
Pic 37 South	View looking south of old cistern on Hays homestead from further distance	Southern Area WEP	No	
Pic 38 South	View looking south at hickory tree on old Hays homestead south of the Hays Cemetery	Southern Area WEP	No	

Note: GPS location is required for all areas of previously unidentified potential environmental contamination



**TABLE 2
SOUTH MAIN AREA OF RRAD**



Pic 1 South.jpg



Pic 2 South.jpg



Pic 3 South.jpg



Pic 4 South.jpg



Pic 5 South.jpg



Pic 6 South.jpg



Pic 7 South.jpg



Pic 8 South.jpg



Pic 9 South.jpg



Pic 10 South.jpg



Pic 11 South.jpg



Pic 12 South.jpg



**TABLE 2 (Continued)
SOUTH MAIN AREA OF RRAD**



Pic 13 South.jpg



Pic 14 South.jpg



Pic 15 South.jpg



Pic 16 South.jpg



Pic 17 South.jpg



Pic 18 South.jpg



Pic 19 South.jpg



Pic 20 South.jpg



Pic 21 South.jpg



Pic 22 South.jpg



Pic 23 South.jpg



Pic 24 South.jpg



**TABLE 2 (Continued)
SOUTH MAIN AREA OF RRAD**



Pic 25 South.jpg



Pic 26 South.jpg



Pic 27 South.jpg



Pic 28 South.jpg



Pic 29 South.jpg



Pic 30 South.jpg



Pic 31 South.jpg



Pic 32 South.jpg



Pic 33 South.jpg



Pic 34 South.jpg



Pic 35 South.jpg



Pic 36 South.jpg



**TABLE 2 (Continued)
SOUTH MAIN AREA OF RRA**



Pic 37 South.jpg



Pic 38 South.jpg

Photo Log



Team Members: Jady Harrington, Dean Converse, Andy Young, Heather Tittjung, Cliff Tompkins

Area: Table 3, Igloo Area A

Date: 6/27/2006

Notes:

Photo Number	Photo Description	Site/Area/Bldg.	Potential Env. Cont.	GPS Location
Pic A1	southside of igloo A1-05 looking west	A1-05	Yes	
Pic A2	Center of igloo A1-05 looking west	A1-05	Yes	
Pic A3	Repairs to cracks inside looking north	A1-05	Yes	
Pic A4	Drainage gutters inside looking east	A1-05	Yes	
Pic A5	Monitoring Well with a lightning rod that has not been abandoned looking west	A2-02	Yes	
Pic A6	Inside igloo A4-02 looking southeast	A4-02	Yes	
Pic A7	Front of igloo A4-02 looking west	A4-02	Yes	
Pic A8	Area of former igloo A7-07 that exploded in 1996, currently an outside storage area	A7-07	Yes	
Pic A9	Front of igloo A7-05 looking west	A7-05	Yes	
Pic A10	Inside igloo A7-05 looking west	A7-05	Yes	
Pic A11	Inside igloo A7-05 looking west at sealed cracks	A7-05	Yes	
Pic A12	Top of igloo A7-05 (tarp) looking southwest	A7-05	Yes	
Pic A13	Storm shelter looking west	AS-08	Yes	
Pic A14	Front of igloo A14-01 looking west	A14-01	Yes	
Pic A15	Inside igloo A14-01 (leak on back wall) looking west	A14-01	Yes	
Pic A16	Inside igloo A14-01 (entrance shot)	A14-01	Yes	
Pic A17	Back of a igloo looking east	A14-03	Yes	

Note: GPS location is required for all areas of previously unidentified potential environmental contamination



**TABLE 3
IGLOO AREA A**



Pic A1.JPG



Pic A2.JPG



Pic A3.JPG



Pic A4.JPG



Pic A5.JPG



Pic A6.JPG



Pic A7.JPG



Pic A8.JPG



Pic A9.JPG



Pic A10.JPG



Pic A11.JPG



Pic A12.JPG



**TABLE 3 (Continued)
IGLOO AREA A**



Pic A13.JPG



Pic A14.JPG



Pic A15.JPG



Pic A16.JPG



Pic A17.JPG

Photo Log



Team Members: Jady Harrington, Dean Converse, Andy Young, Heather Tittjung, Cliff Tompkins

Area: Table 4, Igloo Area B

Date: 6/27/2006

Notes:

Photo Number	Photo Description	Site/Area/Bldg.	Potential Env. Cont.	GPS Location
Pic B1	Front of igloo B18-11 looking west	B18-11	Yes	
Pic B2	Inside igloo B18-11 looking north	B18-11	Yes	

Note: GPS location is required for all areas of previously unidentified potential environmental contamination



**TABLE 4
IGLOO AREA B**



Pic B1.JPG



Pic B2.JPG



Photo Log



Team Members: Jady Harrington, Dean Converse, Andy Young, Heather Tittjung, Cliff Tompkins

Area: Table 5, Igloo Area C

Date: 6/27/2006

Notes:

Photo Number	Photo Description	Site/Area/Bldg.	Potential Env. Cont.	GPS Location
Pic C1	Front of igloo C11-03 looking west	C11-03	Yes	
Pic C2	Inside igloo C11-03 looking west	C11-03	Yes	
Pic C3	Front of igloo C12-02 looking west	C12-02	Yes	
Pic C4	Inside igloo C12-02 looking west	C12-02	Yes	
Pic C5	Front of igloo C10-02 looking west	C10-02	Yes	
Pic C6	Inside igloo C10-02 looking west	C10-02	Yes	
Pic C7	Front of igloo C10-05 looking west	C10-05	Yes	
Pic C8	Inside igloo C10-5 looking west	C10-05	Yes	
Pic C9	Front of igloo C9-08 looking west	C9-08	Yes	
Pic C10	Inside igloo C9-08 looking west	C9-08	Yes	
Pic C11	Y-site storage area looking west	Between C9-05 and C9-06	Yes	
Pic C12	Y-site storage area (berm area) looking west	Between C9-05 and C9-06	Yes	
Pic C13	Front of igloo C9-03 looking west	C9-03	Yes	
Pic C14	Inside igloo C9-03 looking west	C9-03	Yes	
Pic C15	Front of igloo C8-05 looking west	C8-05	Yes	
Pic C16	Inside igloo C8-05 looking west	C8-05	Yes	
Pic C17	Front of igloo C7-01 looking west	C7-01	Yes	
Pic C18	Inside of igloo C7-01 looking west	C7-01	Yes	
Pic C19	Front of igloo C5-04 looking west	C5-04	Yes	
Pic C20	Inside igloo C5-04 looking west	C5-04	Yes	
Pic C21	Front of igloo C5-04 (gas mask placard) looking west	C5-04	Yes	

Note: GPS location is required for all areas of previously unidentified potential environmental contamination



**TABLE 5
IGLOO AREA C**



Pic C1.JPG



Pic C2.JPG



Pic C3.JPG



Pic C4.JPG



Pic C5.JPG



Pic C6.JPG



Pic C7.JPG



Pic C8.JPG



Pic C9.JPG



Pic C10.JPG



Pic C11.JPG



Pic C12.JPG



**TABLE 5 (Continued)
IGLOO AREA C**



Pic C13.JPG



Pic C14.JPG



Pic C15.JPG



Pic C16.JPG



Pic C17.JPG



Pic C18.JPG



Pic C19.JPG



Pic C20.JPG



Pic C21.JPG



EDR REPORT





EDR® Environmental
Data Resources Inc

EDR DataMap™ Area Study

**Red River Army Depot
Texarkana, TX 75501**

September 30, 2005

Inquiry number 01520905.6r

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

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR).

TARGET PROPERTY INFORMATION

ADDRESS

TEXARKANA, TX 75501
TEXARKANA, TX 75501

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records within the requested search area for the following databases:

FEDERAL ASTM STANDARD

Proposed NPL..... Proposed National Priority List Sites
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
RCRA-SQG..... Resource Conservation and Recovery Act Information
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

SHWS..... State Superfund Registry
SWF/LF..... Permitted Solid Waste Facilities
CLI..... Closed Landfill Inventory
LTANKS..... Leaking Petroleum Storage Tank Database
INDIAN UST..... USTs on Indian Land
TX VCP..... Voluntary Cleanup Program Database

FEDERAL ASTM SUPPLEMENTAL

CONSENT..... Superfund (CERCLA) Consent Decrees
Delisted NPL..... National Priority List Deletions
FINDS..... Facility Index System/Facility Registry System
HMIRS..... Hazardous Materials Information Reporting System
MLTS..... Material Licensing Tracking System
MINES..... Mines Master Index File
NPL Liens..... Federal Superfund Liens
INDIAN RESERV..... Indian Reservations
UMTRA..... Uranium Mill Tailings Sites
ODI..... Open Dump Inventory
FUDS..... Formerly Used Defense Sites
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
SSTS..... Section 7 Tracking Systems

EXECUTIVE SUMMARY

STATE OR LOCAL ASTM SUPPLEMENTAL

AST	Petroleum Storage Tank Database
TX Spills	Spills Database
IOP	Innocent Owner/Operator Program
DRYCLEANERS	Drycleaner Registration Database Listing
ED AQUIF	Edwards Aquifer Permits
ENF	Notice of Violations Listing
Ind. Haz Waste	Industrial & Hazardous Waste Database
WasteMgt	Commercial Hazardous & Solid Waste Management Facilities
AIRS	Current Emission Inventory Data

EDR PROPRIETARY HISTORICAL DATABASES

Coal Gas	Former Manufactured Gas (Coal Gas) Sites
-----------------------	--

BROWNFIELDS DATABASES

US BROWNFIELDS	A Listing of Brownfields Sites
US INST CONTROL	Sites with Institutional Controls
Brownfields	Brownfields Site Assessments
AUL	Sites with Controls
TX VCP	Voluntary Cleanup Program Database

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

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.

FEDERAL ASTM STANDARD

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 07/01/2005 has revealed that there is 1 NPL site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>US ARMY LONE STAR ARMY AMMUNIT</i>	<i>HIGHWAY 82 WEST</i>	<i>0</i>	<i>3</i>

EXECUTIVE SUMMARY

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System 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.

A review of the CERCLIS list, as provided by EDR, and dated 06/27/2005 has revealed that there is 1 CERCLIS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
US ARMY LONE STAR ARMY AMMUNIT	HIGHWAY 82 WEST	0	3

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 06/28/2005 has revealed that there is 1 CORRACTS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
US ARMY LONE STAR ARMY AMMUNIT	HIGHWAY 82 WEST	0	3

RCRAInfo: 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 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 offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-TSDF list, as provided by EDR, and dated 05/20/2005 has revealed that there is 1 RCRA-TSDF site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
US ARMY LONE STAR ARMY AMMUNIT	HIGHWAY 82 WEST	0	3

RCRAInfo: 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

EXECUTIVE SUMMARY

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 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 offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-LQG list, as provided by EDR, and dated 05/20/2005 has revealed that there is 1 RCRA-LQG site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
US ARMY LONE STAR ARMY AMMUNIT	HIGHWAY 82 WEST	0	3

STATE ASTM STANDARD

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Texas Commission on Environmental Quality's Petroleum Storage Tank Database.

A review of the UST list, as provided by EDR, and dated 07/29/2005 has revealed that there is 1 UST site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
RED RIVER ARMY DEPOT	HWY 82 W	1	22

FEDERAL ASTM SUPPLEMENTAL

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

A review of the ROD list, as provided by EDR, has revealed that there is 1 ROD site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
US ARMY LONE STAR ARMY AMMUNIT	HIGHWAY 82 WEST	0	3

PADS: The PCB Activity Database identifies generators, transporters, commercial storers and/or brokers and disposers of PCBs who are required to notify the United States Environmental Protection Agency of such activities. The source of this database is the U.S. EPA.

A review of the PADS list, as provided by EDR, and dated 03/30/2005 has revealed that there is 1 PADS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
US ARMY LONE STAR ARMY AMMUNIT	HIGHWAY 82 WEST	0	3

EXECUTIVE SUMMARY

ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, has revealed that there is 1 US ENG CONTROLS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>US ARMY LONE STAR ARMY AMMUNIT</i>	<i>HIGHWAY 82 WEST</i>	<i>0</i>	<i>3</i>

Federal Lands: 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 10/01/2003 has revealed that there is 1 DOD site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
RED RIVER ARMY DEPOT		0	21

RAATS: The RCRA Administration Action Tracking System contains records based on enforcement actions issued under RCRA and pertaining to major violators. It includes administrative and civil actions brought by the United States Environmental Protection Agency. The source of this database is the U.S. EPA.

A review of the RAATS list, as provided by EDR, and dated 04/17/1995 has revealed that there is 1 RAATS site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>US ARMY LONE STAR ARMY AMMUNIT</i>	<i>HIGHWAY 82 WEST</i>	<i>0</i>	<i>3</i>

FTTS: 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) over the previous five years. To maintain currency, EDR contacts the Agency on a quarterly basis.

A review of the FTTS INSP list, as provided by EDR, and dated 07/15/2005 has revealed that there is 1 FTTS INSP site within the searched area.

<u>Site</u>	<u>Address</u>	<u>Map ID</u>	<u>Page</u>
<i>US ARMY LONE STAR ARMY AMMUNIT</i>	<i>HIGHWAY 82 WEST</i>	<i>0</i>	<i>3</i>

EXECUTIVE SUMMARY

Please refer to the end of the findings report for unmapped orphan sites due to poor or inadequate address information.

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
<u>FEDERAL ASTM STANDARD</u>	
NPL	1
Proposed NPL	0
CERCLIS	1
CERC-NFRAP	0
CORRACTS	1
RCRA TSD	1
RCRA Lg. Quan. Gen.	1
RCRA Sm. Quan. Gen.	0
ERNS	0
<u>STATE ASTM STANDARD</u>	
State Haz. Waste	0
State Landfill	0
CLI	0
LTANKS	0
UST	1
INDIAN UST	0
TX VCP	0
<u>FEDERAL ASTM SUPPLEMENTAL</u>	
CONSENT	0
ROD	1
Delisted NPL	0
FINDS	0
HMIRS	0
MLTS	0
MINES	0
NPL Liens	0
PADS	1
INDIAN RESERV	0
UMTRA	0
US ENG CONTROLS	1
ODI	0
FUDS	0
DOD	1
RAATS	1
TRIS	0
TSCA	0
SSTS	0
FTTS	1
<u>STATE OR LOCAL ASTM SUPPLEMENTAL</u>	
AST	0

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Total Plotted</u>
TX Spills	0
IOP	0
DRYCLEANERS	0
ED AQUIF	0
ENF	0
Ind. Haz Waste	0
WasteMgt	0
AIRS	0
<u>EDR PROPRIETARY HISTORICAL DATABASES</u>	
Coal Gas	0
<u>BROWNFIELDS DATABASES</u>	
US BROWNFIELDS	0
US INST CONTROL	0
Brownfields	0
AUL	0
TX VCP	0

NOTES:

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

NPL Region **US ARMY LONE STAR ARMY AMMUNITION PLANT
 HIGHWAY 82 WEST
 TEXARKANA, TX 75501**

**PADS 1000198817
 CERCLIS TX7213821831
 NPL
 RCRA-LQG
 RCRA-TSDF
 RAATS
 CORRACTS
 ROD
 FTTS INSP
 US ENG CONTROLS**

CERCLIS Classification Data:

Federal Facility: Federal Facility

Non NPL Status: Not reported

NPL Status: Currently on the Final NPL

Site Description: THIS GOVERNMENT-OWNED, CONTRACTOR OPERATED FEDERAL FACILITY PRODUCES A VARIETY OF EXPLOSIVES AND AMUNITIONS. HEAVY METAL CONTAMINATION HAS BEEN DETECTED IN GROUNDWATER WELLS NEAR THE SOUTH BORDER OF THE FACILITY.

THIS GOVERNMENT-OWNED, CONTRACTOR OPERATED FEDERAL FACILITY PRODUCES A VARIETY OF EXPLOSIVES AND AMUNITIONS. HEAVY METAL CONTAMINATION HAS BEEN DETECTED IN GROUND WATER WELLS NEAR THE SOUTH BORDER OF THE FACILITY. THIS GOVERNMENT-OWNED, CONTRACTOR OPERATED FEDERAL FACILITY PRODUCES A VARIETY OF EXPLOSIVES AND AMUNITIONS. HEAVY METAL CONTAMINATION HAS BEEN DETECTED IN GROUNDWATER WELLS NEAR THE SOUTH BORDER OF THE FACILITY. The Lone Star Army Ammunition Plant (LSAAP)

is a government-owned, contractor-operated installation which performs and maintains the various functions necessary to load, assemble, and pack ammunition items for the Army. The installation occupies approximately 15,546 acres of land, of which approximately 12,300 acres are unimproved. LSAAP is located in Bowie County in northeastern Texas, approximately 12 miles west of Texarkana, Texas. The western boundary of LSAAP adjoins Red River Army Depot (RRAD); the southern boundary partially adjoins RRAD, with the remainder adjacent to Texas Road 991. The eastern boundary is bordered by privately-owned land, and the northern boundary adjoins U.S. Highway 82. A chain-link or barbed-wire fence encloses the entire installation. Prior to acquisition by the Army, the land that comprises LSAAP and RRAD was used for farming, grazing, and timber production. The construction of both LSAAP and RRAD began during mid-1941 and both were completed during the summer of 1942. Military activities began immediately upon completion, with LSAAP producing munitions, and RRAD shipping and storing munitions and conducting munitions training of troops. These activities continued until November 1945, when LSAAP and RRAD were combined and designated the Red River Arsenal, with a joint mission of demilitarization and renovation. That joint mission continued until early 1951, when LSAAP actively resumed production of munitions, and RRAD resumed shipping and storing munitions and also started maintaining vehicles. The installations were no longer combined, and additional facilities were constructed at LSAAP. Production cutbacks began immediately after the Korean War ended in 1953 and continued through 1960. Most of the areas and facilities at both installations were inactive during this period. All activities increased again from 1964 to 1975 during the Vietnam War. However, production has gradually

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

declined from early 1969 to the present. The Old Demolition Area (ODA) was established in 1943, and was used briefly for open detonation of off-specification munitions until it closed in 1944. From 1944 until 1951, explosives were destroyed at the RRAD demolition area. In 1951, a new demolition area was established at LSAAP about 1 mile northeast of the ODA. This new demolition area continues to be used today. No activity occurred at the ODA from 1944 to 1986. In 1986 the ODA was cleared of vegetation by the Army to expose, collect, and destroy explosive debris. Additional ordnance debris has since been exposed by erosion and can be observed on the surface. The ODA was placed on the National Priorities List in 1987. In July of 1990, EPA, the State, and the Army signed a federal facilities agreement to cover the investigation, development, and implementation of response actions. A Record of Decision (ROD) was completed for the ODA in August 1999. Old Demolition Area OU The Old Demolition Area (ODA), located in the south-central portion of LSAAP, is entirely contained within the installation boundaries and is fenced and posted. The fenced area encloses 17.4 acres and was used by the Army to detonate explosives during World War II. The ODA was used briefly for open detonation of off-specification munitions from 1943 to 1944. This abandoned detonation area was the final disposal location for the detonated munitions (a military landfill). Although LSAAP has other ongoing industrial activities, only the munitions detonated from 1943-1944 were disposed within the ODA. Destruction of explosives no longer occurs at the ODA; however, residual munitions and propellant materials from past ordnance demolition activities are present at the ODA. This material is referred to as source material. It consists of metal fragments and associated bulk explosive materials from 20-millimeter (mm) and 37-mm rounds, fuzes, and boosters.

CERCLIS Assessment History:

Assessment:	DISCOVERY	Completed:	09/01/1980
Assessment:	PRELIMINARY ASSESSMENT	Completed:	04/01/1984
Assessment:	SITE INSPECTION	Completed:	04/01/1984
Assessment:	NPL RP SEARCH	Completed:	08/15/1984
Assessment:	PROPOSAL TO NPL	Completed:	10/15/1984
Assessment:	FINAL LISTING ON NPL	Completed:	07/22/1987
Assessment:	REMOVAL ASSESSMENT	Completed:	05/23/1990
Assessment:	FEDERAL INTERAGENCY AGREEMENT	Completed:	07/17/1990
Assessment:	IAG NEGOTIATIONS	Completed:	07/17/1990
Assessment:	FF RI/FS	Completed:	08/31/1999
Assessment:	RECORD OF DECISION	Completed:	08/31/1999
Assessment:	FF RD	Completed:	02/26/2001

CERCLIS Site Status:

Not reported

CERCLIS Alias Name(s):

LONE STAR ARMY AMMUNITION PLANT
 LONE STAR ARMY AMMUNITION PLANT

CORRACTS Data:

EPA Id:	TX7213821831
Region:	6
Area Name:	AREAS ADDRESSED AFTER 9/1/2002
Actual Date:	01/02/2003
Corrective Action:	CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
2002 NAICS Title:	Ammunition (except Small Arms) Manufacturing

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 Database(s) EPA ID Number

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

EPA Id: TX7213821831
 Region: 6
 Area Name: AREAS B, E, O, R
 Actual Date: 01/10/2001
 Corrective Action: CA150 - RFI Workplan Approved
 2002 NAICS Title: Ammunition (except Small Arms) Manufacturing

EPA Id: TX7213821831
 Region: 6
 Area Name: AREAS ADDRESSED AFTER 9/1/2002
 Actual Date: 01/12/2005
 Corrective Action: CA200 - RFI Approved
 2002 NAICS Title: Ammunition (except Small Arms) Manufacturing

EPA Id: TX7213821831
 Region: 6
 Area Name: AREAS ADDRESSED AFTER 9/1/2002
 Actual Date: 01/12/2005
 Corrective Action: CA200 - RFI Approved
 2002 NAICS Title: Ammunition (except Small Arms) Manufacturing

EPA Id: TX7213821831
 Region: 6
 Area Name: VOLUNTARY
 Actual Date: 02/15/1995
 Corrective Action: CA650 - Stabilization Construction Completed
 2002 NAICS Title: Ammunition (except Small Arms) Manufacturing

[Click this hyperlink](#) while viewing on your computer to access 65 additional CORRACTS record(s) in the EDR Site Report.

FTTS Insp:
 Region: 02
 Inspected Date: 06/09/1997
 Insp Number: 199706099727 1
 Violation occurred: No
 Inspector: T. ZACHOS, DG, DK
 Investigation Type: Section 6 PCB Federal Conducted
 Facility Function: Storer
 Investig Reason: Not reported
 Legislation Code: TSCA

US Engineering Control Sites:
 EPA ID: TX7213821831
 Site ID: 0603609
 EPA Region: 06
 County: BOWIE
 Event Code : Not reported
 Actual Date: Not reported
 Action ID: 001
 Action Name: RECORD OF DECISION
 Action Completion date: 19990831
 Planned Completion date: 19990930
 Operable Unit: 01
 Contaminated Media: Soil
 Contam. Media num.: 6271439.00000
 Engineering Control: Cap

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

Action ID: 001
 Action Name: RECORD OF DECISION
 Action Completion date: 19990831
 Planned Completion date: 19990930
 Operable Unit: 01
 Contaminated Media: Soil
 Contam. Media num.: 6271439.00000
 Engineering Control: Containment, (N.O.S.)

Action ID: 001
 Action Name: RECORD OF DECISION
 Action Completion date: 19990831
 Planned Completion date: 19990930
 Operable Unit: 01
 Contaminated Media: Soil
 Contam. Media num.: 6271439.00000
 Engineering Control: Access Restriction, Fencing

Action ID: 001
 Action Name: RECORD OF DECISION
 Action Completion date: 19990831
 Planned Completion date: 19990930
 Operable Unit: 01
 Contaminated Media: Soil
 Contam. Media num.: 6271439.00000
 Engineering Control: Access Restriction, Guards

Action ID: 001
 Action Name: RECORD OF DECISION
 Action Completion date: 19990831
 Planned Completion date: 19990930
 Operable Unit: 01
 Contaminated Media: Soil
 Contam. Media num.: 6271479.00000
 Engineering Control: Cap

Action ID: 001
 Action Name: RECORD OF DECISION
 Action Completion date: 19990831
 Planned Completion date: 19990930
 Operable Unit: 01
 Contaminated Media: Soil
 Contam. Media num.: 6271479.00000
 Engineering Control: Engineering Control, (N.O.S.)

Action ID: 001
 Action Name: RECORD OF DECISION
 Action Completion date: 19990831
 Planned Completion date: 19990930
 Operable Unit: 01
 Contaminated Media: Soil
 Contam. Media num.: 6271479.00000
 Engineering Control: Access Restriction, Fencing

Action ID: 001
 Action Name: RECORD OF DECISION
 Action Completion date: 19990831
 Planned Completion date: 19990930
 Operable Unit: 01
 Contaminated Media: Surface Water

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

Contam. Media num.: 6271481.00000
 Engineering Control: Dike/Berm

Action ID: 001
 Action Name: RECORD OF DECISION
 Action Completion date: 19990831
 Planned Completion date: 19990930
 Operable Unit: 01
 Contaminated Media: Sediment
 Contam. Media num.: 6271482.00000
 Engineering Control: Access Restriction

Action ID: 001
 Action Name: RECORD OF DECISION
 Action Completion date: 19990831
 Planned Completion date: 19990930
 Operable Unit: 01
 Contaminated Media: Debris
 Contam. Media num.: 6271499.00000
 Engineering Control: Cap

NPL:
 EPA ID: TX7213821831
 Region: 06
 Federal: Federal
 Final Date: 07/22/1987

NPL SUMMARY:
 Summary : Conditions at proposal (October 15, 1984): Lone Star Army Ammunition Plant, located in Texarkana, Bowie County, Texas, produces a variety of explosives and munitions. During World War II, explosives were disposed of by detonation above and below ground in an area covering about 5 acres. Tests conducted by the Army indicate that heavy metals (lead and chromium) contaminate monitoring wells south of the disposal site along the border of the facility. About 1,200 people use private wells within 3 miles of the site as a source of drinking water. The plant is participating in the Installation Restoration Program, established in 1978. Under this program, the Department of Defense seeks to identify, investigate, and clean up contamination from hazardous materials. The Army has completed Phase I (records search). Phase II (preliminary survey) is underway. Status (July 22, 1987): Phase II activities continue. Within the boundaries of this Federal facility, there are areas subject to the Subtitle C corrective action authorities of the Resource Conservation and Recovery Act (RCRA). However, no such areas were included in scoring this specific site. Therefore, this Federal facility site is being placed on the Federal section of the NPL under the NPL/RCRA policy announced on September 8, 1983 (48 FR 40662).

NPL Contaminant:
 NPL Status: Final
 Substance Id: C178
 Case Num: 7440-50-8
 Substance : COPPER AND COMPOUNDS, NOS (CU)
 Pathway : NOT INDICATED
 GW Scoring : Not reported
 SW Scoring : Not reported
 Air Scoring: Not reported
 Soil Scoring: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

DC Scoring:	Not reported
FE Scoring:	Not reported
NPL Status:	Final
Substance Id:	C247
Case Num:	7440-66-6
Substance :	ZINC AND COMPOUNDS, NOS (ZN)
Pathway :	NOT INDICATED
GW Scoring :	Not reported
SW Scoring :	Not reported
Air Scoring:	Not reported
Soil Scoring:	Not reported
DC Scoring:	Not reported
FE Scoring:	Not reported
NPL Status:	Final
Substance Id:	A020
Case Num:	7440-47-3
Substance :	CHROMIUM AND COMPOUNDS, NOS (CR)
Pathway :	The Ground water migration route , or pathway.
GW Scoring :	Observed Release & Toxicity
SW Scoring :	Not reported
Air Scoring:	Not reported
Soil Scoring:	Not reported
DC Scoring:	Not reported
FE Scoring:	Not reported
NPL Status:	Final
Substance Id:	C460
Case Num:	7439-97-6
Substance :	MERCURY
Pathway :	The Ground water migration route , or pathway.
GW Scoring :	Toxicity
SW Scoring :	Not reported
Air Scoring:	Not reported
Soil Scoring:	Not reported
DC Scoring:	Not reported
FE Scoring:	Not reported
NPL Status:	Final
Substance Id:	D008
Case Num:	7439-92-1
Substance :	LEAD (PB)
Pathway :	The Ground water migration route , or pathway.
GW Scoring :	Observed Release & Toxicity
SW Scoring :	Not reported
Air Scoring:	Not reported
Soil Scoring:	Not reported
DC Scoring:	Not reported
FE Scoring:	Not reported
NPL Status:	Final
Substance Id:	A020
Case Num:	7440-47-3
Substance :	CHROMIUM AND COMPOUNDS, NOS (CR)
Pathway :	SW
GW Scoring :	Not reported
SW Scoring :	Toxicity
Air Scoring:	Not reported
Soil Scoring:	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

DC Scoring: Not reported
 FE Scoring: Not reported

NPL Site:

CERCLIS Id: TX7213821831
 Site City: Texarkana
 Site State: TX
 NPL Status: Final
 Status Date: 07/22/87
 Federal Site: Yes
 HRS Score: 31.85
 GW Score: 55.10
 SW Score: 0.85
 Air Score: 0.00
 Soil Score: 0.00
 DC Score: 37.50
 FE Score: 0.00

NPL Char:

NPL Status: Final
 Category Description: DEPTH TO AQUIFER
 Category Value: 600

NPL Status: Final
 Category Description: DISTANCE TO THE NEAREST POPULATION
 Category Value: 9504

NPL Status: Final
 Category Description: OBSERVED RELEASE-Ground Water
 Category Value: Not reported

NPL Status: Final
 Category Description: OTHER GROUND WATER USE-Unknown
 Category Value: Not reported

NPL Status: Final
 Category Description: PHYSICAL STATE-Liquid
 Category Value: Not reported

NPL Status: Final
 Category Description: PHYSICAL STATE-Sludge
 Category Value: Not reported

NPL Status: Final
 Category Description: PHYSICAL STATE-Solid
 Category Value: Not reported

NPL Status: Final
 Category Description: SITE ACTIVITY WASTE SOURCE-Industry Military
 Category Value: Not reported

NPL Status: Final
 Category Description: SITE ACTIVITY WASTE SOURCE-Industry Military Ordnance Produc
 Category Value: Not reported

NPL Status: Final
 Category Description: SURFACE WATER ADJACENT TO SITE-Lake
 Category Value: Not reported

NPL Status: Final
 Category Description: SURFACE WATER ADJACENT TO SITE-Reservoir
 Category Value: Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

NPL Status: Final
 Category Description: SURFACE WATER ADJACENT TO SITE-Stream
 Category Value: Not reported

NPL SITE STATUS:

NPL Status: Final
 Proposed Date: 10/15/1984
 Final Date: 07/22/1987
 Deleted Date: Not reported

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

RCRAInfo Corrective Action Summary:

Event: RFI Approved
 Event Date: 01/12/2005

Event: RFI Approved
 Event Date: 01/12/2005

Event: Certification Of Remedy Completion Or Construction Completion
 Event Date: 09/02/2004

Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.
 Event Date: 04/29/2004

Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.
 Event Date: 04/29/2004

Event: RFI Approved
 Event Date: 10/31/2003

Event: RFI Approved
 Event Date: 10/23/2003

Event: RFI Approved
 Event Date: 04/25/2003

Event: CMI Workplan Approved
 Event Date: 03/24/2003

Event: RFA Determination Of Need For An RFI, RFI is Necessary;
 Event Date: 01/02/2003

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

Event: RFI Approved
 Event Date: 06/28/2002

Event: Corrective Action Process Terminated, No Further Action
 Event Date: 06/28/2002

Event: Corrective Action Process Terminated, Remedial Activities Completed
 Event Date: 06/27/2002

Event: RFI Approved
 Event Date: 06/05/2002

Event: RFI Approved
 Event Date: 06/04/2002

Event: RFI Approved
 Event Date: 06/03/2002

Event: RFI Approved
 Event Date: 05/31/2002

Event: Stabilization Construction Completed
 Event Date: 05/31/2002

Event: RFI Approved
 Event Date: 11/13/2001

Event: Certification Of Remedy Completion Or Construction Completion
 Event Date: 11/13/2001

Event: RFI Workplan Approved
 Event Date: 03/21/2001

Event: RFI Workplan Approved
 Event Date: 03/08/2001

Event: RFI Workplan Approved
 Event Date: 01/10/2001

Event: RFI Imposition
 Event Date: 12/20/2000

Event: RFI Approved
 Event Date: 11/29/2000

Event: Certification Of Remedy Completion Or Construction Completion
 Event Date: 11/29/2000

Event: CMS Approved
 Event Date: 11/29/2000

Event: Date For Remedy Selection (CM Imposed)
 Event Date: 08/18/2000

Event: RFI Workplan Approved
 Event Date: 07/18/2000

Event: RFI Approved
 Event Date: 06/02/2000

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

Event: RFI Approved
 Event Date: 12/31/1999

Event: Certification Of Remedy Completion Or Construction Completion
 Event Date: 12/31/1999

Event: RFI Workplan Approved
 Event Date: 12/15/1999

Event: RFI Approved
 Event Date: 12/14/1999

Event: RFI Workplan Approved
 Event Date: 12/21/1998

Event: RFI Workplan Approved
 Event Date: 10/13/1997

Event: RFI Workplan Approved
 Event Date: 09/20/1996

Event: Stabilization Construction Completed
 Event Date: 07/31/1995

Event: Stabilization Construction Completed
 Event Date: 02/15/1995

Event: RFI Workplan Approved
 Event Date: 06/28/1994

Event: RFI Workplan Approved
 Event Date: 07/29/1993

Event: CMS Approved
 Event Date: 12/09/1992

Event: Date For Remedy Selection (CM Imposed)
 Event Date: 12/09/1992

Event: RFI Workplan Approved
 Event Date: 09/02/1992

Event: CMS Approved
 Event Date: 09/02/1992

Event: RFI Approved
 Event Date: 08/12/1992

Event: CMS Approved
 Event Date: 08/12/1992

Event: RFI Imposition, Focused data collection required for stabilization evaluation.
 Event Date: 06/24/1992

Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).
 Event Date: 06/24/1992

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

Event: CA Prioritization, Facility or area was assigned a high corrective action priority.
 Event Date: 02/24/1992
 Event: RFA Completed
 Event Date: 06/29/1988
 Event: RFA Determination Of Need For An RFI, RFI is Necessary;
 Event Date: 06/29/1988

RCRAInfo:

Owner: U S ARMY
 (214) 838-1207
 EPA ID: TX7213821831
 Contact: DAVID SELF
 (214) 838-1305

Classification: Large Quantity Generator, TSDF
 TSDF Activities: Not reported

BIENNIAL REPORTS:

Last Biennial Reporting Year: 2003

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	10515.00	D003	1715487.49
D005	24863.49	D006	1170.00
D007	32903.49	D008	47873.49
D009	806.40	D030	8871.00
F002	4260.00	F003	21485.00
F005	7110.00	K044	4600.00
K046	7500.00		

Violation Status: Violations exist

Regulation Violated: 335.431(c)/268.50(a)(2)
 Area of Violation: TSD-LAND BAN REQUIREMENTS
 Date Violation Determined: 11/13/2001
 Actual Date Achieved Compliance: 11/27/2001
 Enforcement Action: VERBAL INFORMAL
 Enforcement Action Date: 11/27/2001
 Penalty Type: Not reported

Regulation Violated: 335.431c/268.50a2
 Area of Violation: TSD-LAND BAN REQUIREMENTS
 Date Violation Determined: 06/13/2001
 Actual Date Achieved Compliance: 06/14/2001
 Enforcement Action: VERBAL INFORMAL
 Enforcement Action Date: 06/14/2001
 Penalty Type: Not reported

Regulation Violated: 335.69(d)(2)/262.34(c)(1)(ii)
 Area of Violation: GENERATOR-OTHER REQUIREMENTS
 Date Violation Determined: 11/08/1999
 Actual Date Achieved Compliance: 11/10/1999
 Enforcement Action: VERBAL INFORMAL
 Enforcement Action Date: 11/10/1999
 Penalty Type: Not reported

Regulation Violated: 335.69(e)/262.34(c)(2)
 Area of Violation: GENERATOR-OTHER REQUIREMENTS

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

Date Violation Determined:	11/08/1999
Actual Date Achieved Compliance:	11/10/1999
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	11/10/1999
Penalty Type:	Not reported
Regulation Violated:	PPIII.A.3
Area of Violation:	TXPER
Date Violation Determined:	11/08/1999
Actual Date Achieved Compliance:	11/10/1999
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	11/10/1999
Penalty Type:	Not reported
Regulation Violated:	PPIIIC2a
Area of Violation:	TSD-CORRECTIVE ACTION COMPLIANCE SCHEDULE
Date Violation Determined:	02/16/1999
Actual Date Achieved Compliance:	02/18/1999
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/18/1999
Penalty Type:	Not reported
Regulation Violated:	335.69a2(3)/262.34a2(3)
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	02/16/1999
Actual Date Achieved Compliance:	02/18/1999
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/18/1999
Penalty Type:	Not reported
Regulation Violated:	335.69e/262.34c2
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	02/16/1999
Actual Date Achieved Compliance:	02/18/1999
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/18/1999
Penalty Type:	Not reported
Regulation Violated:	335.6c
Area of Violation:	Texas Solid Waste Rule
Date Violation Determined:	07/06/1998
Actual Date Achieved Compliance:	07/06/1998
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	07/06/1998
Penalty Type:	Not reported
Regulation Violated:	335.9a1B
Area of Violation:	Texas Solid Waste Rule
Date Violation Determined:	07/06/1998
Actual Date Achieved Compliance:	07/20/1998
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	07/08/1998
Penalty Type:	Not reported
Regulation Violated:	335.69e/262.34c2
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	07/06/1998

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

Actual Date Achieved Compliance: 07/08/1998

Enforcement Action: VERBAL INFORMAL
 Enforcement Action Date: 07/08/1998
 Penalty Type: Not reported

Regulation Violated: 335.69d1/262.34c11
 Area of Violation: GENERATOR-OTHER REQUIREMENTS
 Date Violation Determined: 07/06/1998
 Actual Date Achieved Compliance: 07/08/1998

Enforcement Action: VERBAL INFORMAL
 Enforcement Action Date: 07/08/1998
 Penalty Type: Not reported

Regulation Violated: 335.152a3/264.52d
 Area of Violation: TSD-OTHER REQUIREMENTS
 Date Violation Determined: 07/06/1998
 Actual Date Achieved Compliance: 07/08/1998

Enforcement Action: VERBAL INFORMAL
 Enforcement Action Date: 07/08/1998
 Penalty Type: Not reported

Regulation Violated: 335.431c/268.7a2
 Area of Violation: GENERATOR-LAND BAN REQUIREMENTS
 Date Violation Determined: 07/06/1998
 Actual Date Achieved Compliance: 07/08/1998

Enforcement Action: VERBAL INFORMAL
 Enforcement Action Date: 07/08/1998
 Penalty Type: Not reported

Regulation Violated: 335.152a1/264.13b
 Area of Violation: TSD-OTHER REQUIREMENTS
 Date Violation Determined: 07/06/1998
 Actual Date Achieved Compliance: 07/20/1998

Enforcement Action: VERBAL INFORMAL
 Enforcement Action Date: 07/08/1998
 Penalty Type: Not reported

Regulation Violated: AOP 5J
 Area of Violation: TSD-CORRECTIVE ACTION COMPLIANCE SCHEDULE
 Date Violation Determined: 05/12/1997
 Actual Date Achieved Compliance: 05/21/1997

Enforcement Action: VERBAL INFORMAL
 Enforcement Action Date: 05/21/1997
 Penalty Type: Not reported

Regulation Violated: 335.112a5/265.91a
 Area of Violation: TSD-GOUNDWATER MONITORING REQUIREMENTS
 Date Violation Determined: 05/12/1997
 Actual Date Achieved Compliance: 09/24/1997

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 05/21/1997
 Penalty Type: Not reported

Regulation Violated: AO SECTION 5(I)
 Area of Violation: TSD-CORRECTIVE ACTION COMPLIANCE SCHEDULE
 Date Violation Determined: 04/07/1997
 Actual Date Achieved Compliance: 04/08/1997

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	04/08/1997
Penalty Type:	Not reported
Regulation Violated:	335.4
Area of Violation:	Texas Solid Waste Rule
Date Violation Determined:	04/07/1997
Actual Date Achieved Compliance:	04/08/1997
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	04/08/1997
Penalty Type:	Not reported
Regulation Violated:	335.112a15/265.377a3
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	04/07/1997
Actual Date Achieved Compliance:	04/07/1997
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	04/07/1997
Penalty Type:	Not reported
Regulation Violated:	335.431c/268.7a1
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined:	04/07/1997
Actual Date Achieved Compliance:	04/08/1997
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	04/08/1997
Penalty Type:	Not reported
Regulation Violated:	335.152a7/264.174
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	04/07/1997
Actual Date Achieved Compliance:	04/08/1997
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	04/08/1997
Penalty Type:	Not reported
Regulation Violated:	335.69e/262.34c2
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	05/23/1996
Actual Date Achieved Compliance:	05/23/1996
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	05/22/1996
Penalty Type:	Not reported
Regulation Violated:	335.69d2/262.34c1ii
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	05/23/1996
Actual Date Achieved Compliance:	05/23/1996
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	05/22/1996
Penalty Type:	Not reported
Regulation Violated:	335.431c1/268.50a2i
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined:	05/23/1996
Actual Date Achieved Compliance:	05/23/1996
Enforcement Action:	VERBAL INFORMAL

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

Enforcement Action Date:	05/22/1996
Penalty Type:	Not reported
Regulation Violated:	335.4
Area of Violation:	Texas Solid Waste Rule
Date Violation Determined:	07/27/1995
Actual Date Achieved Compliance:	07/27/1995
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	07/27/1995
Penalty Type:	Not reported
Regulation Violated:	335.69d1/262.34c1
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	07/27/1995
Actual Date Achieved Compliance:	07/27/1995
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	07/27/1995
Penalty Type:	Not reported
Regulation Violated:	335.10b22/262.20
Area of Violation:	GENERATOR-OTHER REQUIREMENTS
Date Violation Determined:	07/27/1995
Actual Date Achieved Compliance:	09/15/1995
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/27/1995
Penalty Type:	Not reported
Regulation Violated:	PP III A 3
Area of Violation:	TXPER
Date Violation Determined:	07/27/1995
Actual Date Achieved Compliance:	07/27/1995
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	07/27/1995
Penalty Type:	Not reported
Regulation Violated:	PP VIII A4A2
Area of Violation:	TXPER
Date Violation Determined:	07/07/1993
Actual Date Achieved Compliance:	05/06/1999
Regulation Violated:	PP VIII A4a1
Area of Violation:	TXPER
Date Violation Determined:	07/07/1993
Actual Date Achieved Compliance:	05/06/1999
Regulation Violated:	PP VIII A4C
Area of Violation:	TXPER
Date Violation Determined:	07/07/1993
Actual Date Achieved Compliance:	05/06/1999
Regulation Violated:	PP VIII A4D
Area of Violation:	TXPER
Date Violation Determined:	07/07/1993
Actual Date Achieved Compliance:	05/06/1999
Regulation Violated:	335.169b2/264.228b3
Area of Violation:	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS
Date Violation Determined:	07/07/1993
Actual Date Achieved Compliance:	10/19/1993

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

Regulation Violated:	PPVIII.A.4.C.2
Area of Violation:	TXPER
Date Violation Determined:	07/07/1993
Actual Date Achieved Compliance:	05/06/1999
Regulation Violated:	335.112A1/265.13B
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	11/28/1990
Actual Date Achieved Compliance:	01/18/1991
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	12/20/1990
Penalty Type:	Not reported
Regulation Violated:	335.112AB/265.112B
Area of Violation:	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS
Date Violation Determined:	11/28/1990
Actual Date Achieved Compliance:	01/18/1991
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	12/20/1990
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined:	04/17/1990
Actual Date Achieved Compliance:	08/20/1990
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/20/1990
Penalty Type:	Not reported
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	05/25/1990
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-GOUNDWATER MONITORING REQUIREMENTS
Date Violation Determined:	04/17/1990
Actual Date Achieved Compliance:	08/20/1990
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	06/20/1990
Penalty Type:	Not reported
Enforcement Action:	VERBAL INFORMAL
Enforcement Action Date:	05/25/1990
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	12/04/1989
Actual Date Achieved Compliance:	01/23/1990
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	12/27/1989
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	11/29/1988
Actual Date Achieved Compliance:	01/17/1989
Enforcement Action:	WRITTEN INFORMAL

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

Enforcement Action Date:	12/16/1988
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined:	04/22/1988
Actual Date Achieved Compliance:	12/27/1989
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	10/20/1989
Penalty Type:	Final Monetary Penalty
Enforcement Action:	INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	07/21/1988
Penalty Type:	Final Monetary Penalty
Regulation Violated:	Not reported
Area of Violation:	TSD-MANIFEST REQUIREMENTS
Date Violation Determined:	12/07/1987
Actual Date Achieved Compliance:	12/07/1987
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/25/1988
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS
Date Violation Determined:	12/07/1987
Actual Date Achieved Compliance:	11/29/1988
Enforcement Action:	EPA TO STATE ADMINISTRATIVE REFERRAL
Enforcement Action Date:	01/06/1988
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/25/1988
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	GENERATOR-LAND BAN REQUIREMENTS
Date Violation Determined:	12/07/1987
Actual Date Achieved Compliance:	11/29/1988
Enforcement Action:	EPA TO STATE ADMINISTRATIVE REFERRAL
Enforcement Action Date:	01/06/1988
Penalty Type:	Not reported
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/25/1988
Penalty Type:	Not reported
Regulation Violated:	335.4/26.121
Area of Violation:	TXSGW
Date Violation Determined:	06/16/1987
Actual Date Achieved Compliance:	05/06/1999
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	02/25/1988
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	Texas Solid Waste Rule
Date Violation Determined:	06/02/1987
Actual Date Achieved Compliance:	12/07/1987

MAP FINDINGS

Map ID
 Direction
 Distance
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 EPA ID Number

Database(s)

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 06/25/1987
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: TSD-CLOSURE/POST-CLOSURE REQUIREMENTS
 Date Violation Determined: 11/18/1986
 Actual Date Achieved Compliance: 06/02/1987

Enforcement Action: EPA TO STATE ADMINISTRATIVE REFERRAL
 Enforcement Action Date: 01/06/1987
 Penalty Type: Not reported

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 12/16/1986
 Penalty Type: Not reported

Regulation Violated: Not reported
 Area of Violation: TSD-OTHER REQUIREMENTS
 Date Violation Determined: 11/18/1986
 Actual Date Achieved Compliance: 06/02/1987

Enforcement Action: WRITTEN INFORMAL
 Enforcement Action Date: 12/16/1986
 Penalty Type: Not reported

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	3/26/1997	8160	STATE
Proposed Monetary Penalty	1/18/1994	24960	STATE

There are 49 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Comprehensive and Coordinated Inspection	TSD-LAND BAN REQUIREMENTS	20011127
Comprehensive and Coordinated Inspection	TSD-LAND BAN REQUIREMENTS	20010614
Comprehensive and Coordinated Inspection	GENERATOR-OTHER REQUIREMENTS	19991110
	GENERATOR-OTHER REQUIREMENTS	19991110
	TXPER	19991110
Other Evaluation	TSD-CORRECTIVE ACTION COMPLIANCE SCHEDULE	19990218
	GENERATOR-OTHER REQUIREMENTS	19990218
	GENERATOR-OTHER REQUIREMENTS	19990218
Comprehensive and Coordinated Inspection	Texas Solid Waste Rule	19980706
	Texas Solid Waste Rule	19980720
	GENERATOR-OTHER REQUIREMENTS	19980708
	GENERATOR-OTHER REQUIREMENTS	19980708
	TSD-OTHER REQUIREMENTS	19980720
	TSD-OTHER REQUIREMENTS	19980708
	GENERATOR-LAND BAN REQUIREMENTS	19980708
Non-Financial Record Review	TSD-GOUNDWATER MONITORING REQUIREMENTS	19970924
Compliance GW Monitoring Evaluation	TSD-CORRECTIVE ACTION COMPLIANCE SCHEDULE	19970521
	TSD-GOUNDWATER MONITORING REQUIREMENTS	19970924
Comprehensive and Coordinated Inspection	TSD-CORRECTIVE ACTION COMPLIANCE SCHEDULE	19970408
	Texas Solid Waste Rule	19970408
	TSD-OTHER REQUIREMENTS	19970407
	TSD-OTHER REQUIREMENTS	19970408
	GENERATOR-LAND BAN REQUIREMENTS	19970408
Compliance Evaluation Inspection	TXPER	19990506
	TXPER	19990506

MAP FINDINGS

Map ID		EDR ID Number
Direction		
Distance		
Distance (ft.)	Site	Database(s) EPA ID Number

US ARMY LONE STAR ARMY AMMUNITION PLANT (Continued)

1000198817

	TXPER	19990506
	TXPER	19990506
	TXPER	19990506
	GENERATOR-OTHER REQUIREMENTS	19960523
	GENERATOR-OTHER REQUIREMENTS	19960523
	GENERATOR-LAND BAN REQUIREMENTS	19960523
Non-Financial Record Review	GENERATOR-OTHER REQUIREMENTS	19950915
Compliance Evaluation Inspection	Texas Solid Waste Rule	19950727
	GENERATOR-OTHER REQUIREMENTS	19950727
	TXPER	19950727
	GENERATOR-OTHER REQUIREMENTS	19950915
Non-Financial Record Review	TXPER	19990506
Compliance Evaluation Inspection	TXSGW	19990506
	TXPER	19990506
	TXPER	19990506
	TXPER	19990506
	TXPER	19990506
	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS	19931019
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS	19910118
	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS	19910118
Operation and Maintenance Inspection	TSD-GOUNDWATER MONITORING REQUIREMENTS	19900820
	TSD-GOUNDWATER MONITORING REQUIREMENTS	19900820
	TXSGW	19990506
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS	19900123
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS	19890117
	TXSGW	19990506
Non-Financial Record Review	GENERATOR-LAND BAN REQUIREMENTS	19891227
Compliance Evaluation Inspection	TSD-MANIFEST REQUIREMENTS	19871207
	TSD-OTHER REQUIREMENTS	19881129
	GENERATOR-LAND BAN REQUIREMENTS	19881129
	TXSGW	19990506
Non-Financial Record Review	TXSGW	19990506
Non-Financial Record Review	Texas Solid Waste Rule	19871207
Compliance Evaluation Inspection	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS	19870602
	TSD-OTHER REQUIREMENTS	19870602

DOD **RED RIVER ARMY DEPOT**
Region

DOD **CUSA044243**
N/A

RED RIVER ARMY DEPOT (County), TX

FEDERAL LANDS:

Feature 1:	Army DOD
Feature 2:	Not reported
Feature 3:	Not reported
Agency:	DOD
URL:	Not reported
Name 1:	Red River Army Depot
Name 2:	Not reported
Name 3:	Not reported
State:	TX

MAP FINDINGS

Map ID
 Direction
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 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

1 **RED RIVER ARMY DEPOT
 HWY 82 W
 TEXARKANA, TX 75501**

**UST U003840455
 N/A**

UST:

Facility ID:	0021468	Tank Installer:	Not reported
Tank ID:	160	Installation Date:	01011942
Tank Emptied:	No	Status Date:	05311993
Capacity:	12000	Unit ID:	00055173
Tank Material of Construction:	Steel		
Pipe Material of Construction:	Steel		
Other Materials of Construction:	Not reported		
Tank Status:	Removed from the Ground		
Tank Construction & Containment:	Single Wall		
Pipe Construction & Containment:	Single Wall		
Other Construction & Containment:	Not reported		
Compartment Substance Stored:	Not reported		
Compartment Other Substance:	Not reported		
Tank Release Detection Method:	Not reported		
Tank Release Method Detection II:	Not reported		
Tank Release Method Detection III:	Not reported		
Other Tank Release Method Detection:	Not reported		
Tank Release Detection Variance :	Not reported		
Pipe Release Detection Method:	Not reported		
Other Pipe Release Detection Method :	Not reported		
Pipe Release Detection Variance :	Not reported		
Spill and Overfill Protection:	Not reported		
Tank Corrosion Protection:	Not reported		
Pipe Corrosion Protection:	Not reported		
Other Corrosion Protection:	None		
Vapor Recovery Equipment Status:	Not reported		
Equipment Installed Date:	Not reported		
Equipment Installer:	Not reported		
Contractor Registration Number:	Not reported		
Tank Registration Date:	00000000		
Installer License Number:	Not reported		
Operator Name:	Not reported		
Operator Telephone number:	Not reported		
Operator Address:			
Operator Address building:	Not reported		
Contact Operator Name:			
Contact Operator title:	Not reported		
Contact Operator Phone:	Not reported		
Self-Certification date:	Not reported		
Signature Name:	Not reported		
Signature Title Name:	Not reported		
Signature Type Text:	Not reported		
Certification Submitted Type:	Not reported		
Registration Self-Certification Flag:	Not reported		
Fees Self-Certification Flag:	Not reported		
Financial Assurance Self-Certification flag:	Not reported		
Technical standards Self-Certification flag:	Not reported		
UST Delivery Certificate Expiration Date:	Not reported		
Compartment letter:	Not reported		
Financial Responsibility Type:	Not reported		
Corrective Action Met Flag:	Not reported		
Third Party Met Flag:	Not reported		
Financial Assurance Beginning Date:	Not reported		
Piping Design & Ext. Containment 3 :	Not reported		

MAP FINDINGS

Map ID
 Direction
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 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

RED RIVER ARMY DEPOT (Continued)

U003840455

Piping Design & Ext. Containment 4 :	Not reported		
Type of Piping :	Not reported		
Internal Tank Lining Date :	00/00/00		
Pipe Connectors and Valves 1 :	Not reported		
Pipe Connectors and Valves 2 :	Not reported		
Pipe Connectors and Valves 3 :	Not reported		
Other Tank Corrosion Protection Text:	None		
Tank Corrosion Protection Variance :	No Variance		
Pipe Corrosion Protection 3 :	Not reported		
Pipe Corrosion Protection Variance :	No Variance		
Stage 2 Vapor Recry Equipment Status :	Not reported		
Stage 1 Equipment Installed Date :	Not reported		
Tank Tested :	Tested		
Compartment Capacity :	Not reported		
Owner ID :	10228		
Owner Name :	US DEPARTMENT OF THE ARMY		
Owner Address :	US HWY 82 W Bldg 342		
	TEXARKANA, TX 75507		
Owner Contact Telephone :	903-334-4103		
Owner Type :	Federal Government		
Owner Amendment Reason Code :	Owner Name Changed		
Owner Amendment Date :	03/03/01		
Owner Tax ID :	Not reported		
Number of Facilities reported by Owner :	0001		
Mail Undeliverable :	Not reported		
Bankruptcy In Effect :	Not reported		
# Of Underground Storage Tanks :	0027		
# Of Aboveground Storage Tanks :	0022		
Operator Effective Date :	Not reported		
Operator Type :	Federal Government		
Owner Contact Name:	Mark Crawford		
Date Registration Form Received :	04/86/04		
Facility Type :	Fleet Refueling		
Name of Facility Manager :	RON WILLIAMS		
Title of Facility Manager :	Not reported		
Facility Manager Phone :	9033344103		
Sign Name on Registration Form :	C.R. WILCOX		
Title of Signer of Registration Form :	FACIL. ENGR.		
Date of Signature on Registration Form :	040186		
Number of USTs:	0027		
Number of ASTs:	0022		
Facility ID 2 :	058196		
Facility PO Box :	Not reported		
Owner PO Box :	Not reported		
Region Number :	05		
Facility in Ozone non-attainment area :	Not reported		
Facility ID:	0021468	Tank Installer:	Not reported
Tank ID:	158	Installation Date:	01011942
Tank Emptied:	No	Status Date:	05311993
Capacity:	5000	Unit ID:	00055174
Tank Material of Construction:	Steel		
Pipe Material of Construction:	Steel		
Other Materials of Construction:	Not reported		
Tank Status:	Removed from the Ground		
Tank Construction & Containment:	Single Wall		
Pipe Construction & Containment:	Single Wall		

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

RED RIVER ARMY DEPOT (Continued)

U003840455

Other Construction & Containment:	Not reported
Compartment Substance Stored:	Not reported
Compartment Other Substance:	Not reported
Tank Release Detection Method:	Not reported
Tank Release Method Detection II:	Not reported
Tank Release Method Detection III:	Not reported
Other Tank Release Method Detection:	Not reported
Tank Release Detection Variance :	Not reported
Pipe Release Detection Method:	Not reported
Other Pipe Release Detection Method :	Not reported
Pipe Release Detection Variance :	Not reported
Spill and Overfill Protection:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Corrosion Protection:	Not reported
Other Corrosion Protection:	None
Vapor Recovery Equipment Status:	Not reported
Equipment Installed Date:	Not reported
Equipment Installer:	Not reported
Contractor Registration Number:	Not reported
Tank Registration Date:	00000000
Installer License Number:	Not reported
Operator Name:	Not reported
Operator Telephone number:	Not reported
Operator Address:	
Operator Address building:	Not reported
Contact Operator Name:	
Contact Operator title:	Not reported
Contact Operator Phone:	Not reported
Self-Certification date:	Not reported
Signature Name:	Not reported
Signature Title Name:	Not reported
Signature Type Text:	Not reported
Certification Submitted Type:	Not reported
Registration Self-Certification Flag:	Not reported
Fees Self-Certification Flag:	Not reported
Financial Assurance Self-Certification flag:	Not reported
Technical standards Self-Certification flag:	Not reported
UST Delivery Certificate Expiration Date:	Not reported
Compartment letter:	Not reported
Financial Responsibility Type:	Not reported
Corrective Action Met Flag:	Not reported
Third Party Met Flag:	Not reported
Financial Assurance Beginning Date:	Not reported
Piping Design & Ext. Containment 3 :	Not reported
Piping Design & Ext. Containment 4 :	Not reported
Type of Piping :	Not reported
Internal Tank Lining Date :	00/00/00
Pipe Connectors and Valves 1 :	Not reported
Pipe Connectors and Valves 2 :	Not reported
Pipe Connectors and Valves 3 :	Not reported
Other Tank Corrosion Protection Text:	None
Tank Corrosion Protection Variance :	No Variance
Pipe Corrosion Protection 3 :	Not reported
Pipe Corrosion Protection Variance :	No Variance
Stage 2 Vapor Recry Equipment Status :	Not reported
Stage 1 Equipment Installed Date :	Not reported
Tank Tested :	Tested

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

RED RIVER ARMY DEPOT (Continued)

U003840455

Compartment Capacity :	Not reported		
Owner ID :	10228		
Owner Name :	US DEPARTMENT OF THE ARMY		
Owner Address :	US HWY 82 W Bldg 342		
	TEXARKANA, TX 75507		
Owner Contact Telephone :	903-334-4103		
Owner Type :	Federal Government		
Owner Amendment Reason Code :	Owner Name Changed		
Owner Amendment Date :	03/03/01		
Owner Tax ID :	Not reported		
Number of Facilities reported by Owner :	0001		
Mail Undeliverable :	Not reported		
Bankruptcy In Effect :	Not reported		
# Of Underground Storage Tanks :	0027		
# Of Aboveground Storage Tanks :	0022		
Operator Effective Date :	Not reported		
Operator Type :	Federal Government		
Owner Contact Name:	Mark Crawford		
Date Registration Form Received :	04/86/04		
Facility Type :	Fleet Refueling		
Name of Facility Manager :	RON WILLIAMS		
Title of Facility Manager :	Not reported		
Facility Manager Phone :	9033344103		
Sign Name on Registration Form :	C.R. WILCOX		
Title of Signer of Registration Form :	FACIL. ENGR.		
Date of Signature on Registration Form :	040186		
Number of USTs:	0027		
Number of ASTs:	0022		
Facility ID 2 :	058196		
Facility PO Box :	Not reported		
Owner PO Box :	Not reported		
Region Number :	05		
Facility in Ozone non-attainment area :	Not reported		
Facility ID:	0021468	Tank Installer:	Not reported
Tank ID:	391	Installation Date:	01011966
Tank Emptied:	No	Status Date:	07011987
Capacity:	2100	Unit ID:	00055175
Tank Material of Construction:	Steel		
Pipe Material of Construction:	Not reported		
Other Materials of Construction:	Not reported		
Tank Status:	Removed from the Ground		
Tank Construction & Containment:	Not reported		
Pipe Construction & Containment:	Not reported		
Other Construction & Containment:	Not reported		
Compartment Substance Stored:	Not reported		
Compartment Other Substance:	Not reported		
Tank Release Detection Method:	Not reported		
Tank Release Method Detection II:	Not reported		
Tank Release Method Detection III:	Not reported		
Other Tank Release Method Detection:	Not reported		
Tank Release Detection Variance :	Not reported		
Pipe Release Detection Method:	Not reported		
Other Pipe Release Detection Method :	Not reported		
Pipe Release Detection Variance :	Not reported		
Spill and Overfill Protection:	Not reported		
Tank Corrosion Protection:	Not reported		

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number

Database(s) EPA ID Number

RED RIVER ARMY DEPOT (Continued)

U003840455

Pipe Corrosion Protection:	Not reported
Other Corrosion Protection:	None
Vapor Recovery Equipment Status:	Not reported
Equipment Installed Date:	Not reported
Equipment Installer:	Not reported
Contractor Registration Number:	Not reported
Tank Registration Date:	00000000
Installer License Number:	Not reported
Operator Name:	Not reported
Operator Telephone number:	Not reported
Operator Address:	
Operator Address building:	Not reported
Contact Operator Name:	
Contact Operator title:	Not reported
Contact Operator Phone:	Not reported
Self-Certification date:	Not reported
Signature Name:	Not reported
Signature Title Name:	Not reported
Signature Type Text:	Not reported
Certification Submitted Type:	Not reported
Registration Self-Certification Flag:	Not reported
Fees Self-Certification Flag:	Not reported
Financial Assurance Self-Certification flag:	Not reported
Technical standards Self-Certification flag:	Not reported
UST Delivery Certificate Expiration Date:	Not reported
Compartment letter:	Not reported
Financial Responsibility Type:	Not reported
Corrective Action Met Flag:	Not reported
Third Party Met Flag:	Not reported
Financial Assurance Beginning Date:	Not reported
Piping Design & Ext. Containment 3 :	Not reported
Piping Design & Ext. Containment 4 :	Not reported
Type of Piping :	Not reported
Internal Tank Lining Date :	00/00/00
Pipe Connectors and Valves 1 :	Not reported
Pipe Connectors and Valves 2 :	Not reported
Pipe Connectors and Valves 3 :	Not reported
Other Tank Corrosion Protection Text:	None
Tank Corrosion Protection Variance :	No Variance
Pipe Corrosion Protection 3 :	Not reported
Pipe Corrosion Protection Variance :	No Variance
Stage 2 Vapor Recry Equipment Status :	Not reported
Stage 1 Equipment Installed Date :	Not reported
Tank Tested :	Tested
Compartment Capacity :	Not reported
Owner ID :	10228
Owner Name :	US DEPARTMENT OF THE ARMY
Owner Address :	US HWY 82 W Bldg 342 TEXARKANA, TX 75507
Owner Contact Telephone :	903-334-4103
Owner Type :	Federal Government
Owner Amendment Reason Code :	Owner Name Changed
Owner Amendment Date :	03/03/01
Owner Tax ID :	Not reported
Number of Facilities reported by Owner :	0001
Mail Undeliverable :	Not reported
Bankruptcy In Effect :	Not reported

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

RED RIVER ARMY DEPOT (Continued)

U003840455

# Of Underground Storage Tanks :	0027		
# Of Aboveground Storage Tanks :	0022		
Operator Effective Date :	Not reported		
Operator Type :	Federal Government		
Owner Contact Name:	Mark Crawford		
Date Registration Form Received :	04/86/04		
Facility Type :	Fleet Refueling		
Name of Facility Manager :	RON WILLIAMS		
Title of Facility Manager :	Not reported		
Facility Manager Phone :	9033344103		
Sign Name on Registration Form :	C.R. WILCOX		
Title of Signer of Registration Form :	FACIL. ENGR.		
Date of Signature on Registration Form :	040186		
Number of USTs:	0027		
Number of ASTs:	0022		
Facility ID 2 :	058196		
Facility PO Box :	Not reported		
Owner PO Box :	Not reported		
Region Number :	05		
Facility in Ozone non-attainment area :	Not reported		
Facility ID:	0021468	Tank Installer:	Not reported
Tank ID:	389	Installation Date:	01011950
Tank Emptied:	No	Status Date:	07311987
Capacity:	1050	Unit ID:	00055176
Tank Material of Construction:	Steel		
Pipe Material of Construction:	Not reported		
Other Materials of Construction:	Not reported		
Tank Status:	Removed from the Ground		
Tank Construction & Containment:	Not reported		
Pipe Construction & Containment:	Not reported		
Other Construction & Containment:	Not reported		
Compartment Substance Stored:	Not reported		
Compartment Other Substance:	Not reported		
Tank Release Detection Method:	Not reported		
Tank Release Method Detection II:	Not reported		
Tank Release Method Detection III:	Not reported		
Other Tank Release Method Detection:	Not reported		
Tank Release Detection Variance :	Not reported		
Pipe Release Detection Method:	Not reported		
Other Pipe Release Detection Method :	Not reported		
Pipe Release Detection Variance :	Not reported		
Spill and Overfill Protection:	Not reported		
Tank Corrosion Protection:	Not reported		
Pipe Corrosion Protection:	Not reported		
Other Corrosion Protection:	None		
Vapor Recovery Equipment Status:	Not reported		
Equipment Installed Date:	Not reported		
Equipment Installer:	Not reported		
Contractor Registration Number:	Not reported		
Tank Registration Date:	00000000		
Installer License Number:	Not reported		
Operator Name:	Not reported		
Operator Telephone number:	Not reported		
Operator Address:			
Operator Address building:	Not reported		
Contact Operator Name:			

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

RED RIVER ARMY DEPOT (Continued)

U003840455

Contact Operator title:	Not reported
Contact Operator Phone:	Not reported
Self-Certification date:	Not reported
Signature Name:	Not reported
Signature Title Name:	Not reported
Signature Type Text:	Not reported
Certification Submitted Type:	Not reported
Registration Self-Certification Flag:	Not reported
Fees Self-Certification Flag:	Not reported
Financial Assurance Self-Certification flag:	Not reported
Technical standards Self-Certification flag:	Not reported
UST Delivery Certificate Expiration Date:	Not reported
Compartment letter:	Not reported
Financial Responsibility Type:	Not reported
Corrective Action Met Flag:	Not reported
Third Party Met Flag:	Not reported
Financial Assurance Beginning Date:	Not reported
Piping Design & Ext. Containment 3 :	Not reported
Piping Design & Ext. Containment 4 :	Not reported
Type of Piping :	Not reported
Internal Tank Lining Date :	00/00/00
Pipe Connectors and Valves 1 :	Not reported
Pipe Connectors and Valves 2 :	Not reported
Pipe Connectors and Valves 3 :	Not reported
Other Tank Corrosion Protection Text:	None
Tank Corrosion Protection Variance :	No Variance
Pipe Corrosion Protection 3 :	Not reported
Pipe Corrosion Protection Variance :	No Variance
Stage 2 Vapor Recry Equipment Status :	Not reported
Stage 1 Equipment Installed Date :	Not reported
Tank Tested :	Tested
Compartment Capacity :	Not reported
Owner ID :	10228
Owner Name :	US DEPARTMENT OF THE ARMY
Owner Address :	US HWY 82 W Bldg 342 TEXARKANA, TX 75507
Owner Contact Telephone :	903-334-4103
Owner Type :	Federal Government
Owner Amendment Reason Code :	Owner Name Changed
Owner Amendment Date :	03/03/01
Owner Tax ID :	Not reported
Number of Facilities reported by Owner :	0001
Mail Undeliverable :	Not reported
Bankruptcy In Effect :	Not reported
# Of Underground Storage Tanks :	0027
# Of Aboveground Storage Tanks :	0022
Operator Effective Date :	Not reported
Operator Type :	Federal Government
Owner Contact Name:	Mark Crawford
Date Registration Form Received :	04/86/04
Facility Type :	Fleet Refueling
Name of Facility Manager :	RON WILLIAMS
Title of Facility Manager :	Not reported
Facility Manager Phone :	9033344103
Sign Name on Registration Form :	C.R. WILCOX
Title of Signer of Registration Form :	FACIL. ENGR.
Date of Signature on Registration Form :	040186

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

RED RIVER ARMY DEPOT (Continued)

U003840455

Number of USTs:	0027		
Number of ASTs:	0022		
Facility ID 2 :	058196		
Facility PO Box :	Not reported		
Owner PO Box :	Not reported		
Region Number :	05		
Facility in Ozone non-attainment area :	Not reported		
Facility ID:	0021468	Tank Installer:	Not reported
Tank ID:	354	Installation Date:	01011981
Tank Emptied:	No	Status Date:	06301993
Capacity:	4000	Unit ID:	00055177
Tank Material of Construction:	Fiberglass-Reinforced Plastic (FRP)		
Pipe Material of Construction:	Not reported		
Other Materials of Construction:	Not reported		
Tank Status:	Removed from the Ground		
Tank Construction & Containment:	Single Wall		
Pipe Construction & Containment:	Single Wall		
Other Construction & Containment:	FRP		
Compartment Substance Stored:	Not reported		
Compartment Other Substance:	Not reported		
Tank Release Detection Method:	Not reported		
Tank Release Method Detection II:	Not reported		
Tank Release Method Detection III:	Not reported		
Other Tank Release Method Detection:	Not reported		
Tank Release Detection Variance :	Not reported		
Pipe Release Detection Method:	Not reported		
Other Pipe Release Detection Method :	Not reported		
Pipe Release Detection Variance :	Not reported		
Spill and Overfill Protection:	Not reported		
Tank Corrosion Protection:	None		
Pipe Corrosion Protection:	Not reported		
Other Corrosion Protection:	None		
Vapor Recovery Equipment Status:	Not reported		
Equipment Installed Date:	Not reported		
Equipment Installer:	Not reported		
Contractor Registration Number:	Not reported		
Tank Registration Date:	00000000		
Installer License Number:	Not reported		
Operator Name:	Not reported		
Operator Telephone number:	Not reported		
Operator Address:			
Operator Address building:	Not reported		
Contact Operator Name:			
Contact Operator title:	Not reported		
Contact Operator Phone:	Not reported		
Self-Certification date:	Not reported		
Signature Name:	Not reported		
Signature Title Name:	Not reported		
Signature Type Text:	Not reported		
Certification Submitted Type:	Not reported		
Registration Self-Certification Flag:	Not reported		
Fees Self-Certification Flag:	Not reported		
Financial Assurance Self-Certification flag:	Not reported		
Technical standards Self-Certification flag:	Not reported		
UST Delivery Certificate Expiration Date:	Not reported		
Compartment letter:	Not reported		

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)Site

EDR ID Number
 EPA ID Number

Database(s)

RED RIVER ARMY DEPOT (Continued)

U003840455

Financial Responsibility Type:	Not reported
Corrective Action Met Flag:	Not reported
Third Party Met Flag:	Not reported
Financial Assurance Beginning Date:	Not reported
Piping Design & Ext. Containment 3 :	Not reported
Piping Design & Ext. Containment 4 :	Not reported
Type of Piping :	Suction
Internal Tank Lining Date :	00/00/00
Pipe Connectors and Valves 1 :	Not reported
Pipe Connectors and Valves 2 :	Not reported
Pipe Connectors and Valves 3 :	Not reported
Other Tank Corrosion Protection Text:	Not reported
Tank Corrosion Protection Variance :	No Variance
Pipe Corrosion Protection 3 :	Not reported
Pipe Corrosion Protection Variance :	No Variance
Stage 2 Vapor Recry Equipment Status :	Not reported
Stage 1 Equipment Installed Date :	Not reported
Tank Tested :	Tested
Compartment Capacity :	Not reported
Owner ID :	10228
Owner Name :	US DEPARTMENT OF THE ARMY
Owner Address :	US HWY 82 W Bldg 342 TEXARKANA, TX 75507
Owner Contact Telephone :	903-334-4103
Owner Type :	Federal Government
Owner Amendment Reason Code :	Owner Name Changed
Owner Amendment Date :	03/03/01
Owner Tax ID :	Not reported
Number of Facilities reported by Owner :	0001
Mail Undeliverable :	Not reported
Bankruptcy In Effect :	Not reported
# Of Underground Storage Tanks :	0027
# Of Aboveground Storage Tanks :	0022
Operator Effective Date :	Not reported
Operator Type :	Federal Government
Owner Contact Name:	Mark Crawford
Date Registration Form Received :	04/86/04
Facility Type :	Fleet Refueling
Name of Facility Manager :	RON WILLIAMS
Title of Facility Manager :	Not reported
Facility Manager Phone :	9033344103
Sign Name on Registration Form :	C.R. WILCOX
Title of Signer of Registration Form :	FACIL. ENGR.
Date of Signature on Registration Form :	040186
Number of USTs:	0027
Number of ASTs:	0022
Facility ID 2 :	058196
Facility PO Box :	Not reported
Owner PO Box :	Not reported
Region Number :	05
Facility in Ozone non-attainment area :	Not reported

[Click this hyperlink](#) while viewing on your computer to access
 22 additional TX UST record(s) in the EDR Site Report.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
HOOKS	S105050176	TIDWELL GROCERY	HWY 82	75561	LTANKS
HOOKS	S106821397	RED RIVER ARMY DEPOT LANDFILL	NO ADDRESS	75561	SWF/LF
HOOKS	S106821369	LONE STAR ARMY AMMUNITION PLANT	NO ADDRESS	75561	SWF/LF
HOOKS	S106170548	RED RIVER ARMY DEPOT TRANSFER STATION FA	NO ADDRESS	75561	SWF/LF
HOOKS	S106170839	WESTERN REFUSE OF TEXAS LANDFILL	NO ADDRESS	75561	SWF/LF
MALTA	S105744053	MALTA GROCERY FORMER TERRAL GROCERY	W HWY 82 / CR 3103	75570	LTANKS
MAUD	U003406784	A R JACKSON	RT 1	75567	UST
MAUD	U003406785	JACKSONS SERVICE STATION	RT 1	75567	UST, LTANKS
MAUD	S106169627	CITY OF MAUD LANDFILL	NO ADDRESS	75567	SWF/LF
NEW BOSTON	U003406788	VIVIAN ANDERSON	RT 2	75570	UST
NEW BOSTON	1001818857	NEI TRANSPORT LLC	RT 3 BOX 880 TEXAS 98	75570	RCRA-SQG, FINDS
NEW BOSTON	U001294003	TYSON TRUCK SERVICE	N 5 M OF NEW BOSTON HWY	75570	UST
NEW BOSTON	1004787365	WAL-MART NO 181	401 HWY 8 NORTH	75570	RCRA-SQG, FINDS
NEW BOSTON	S105049895	TXDOT NEW BOSTON	HWY 8	75570	LTANKS
NEW BOSTON	1000183677	WOOD MOTOR COMPANY	HIGHWAY 82 E	75570	RCRA-SQG, FINDS
NEW BOSTON	S106522495	RED RIVER REDEVELOPMENT AUTHORITY	107 CHAPEL LN	75570	Ind. Haz Waste
NEW BOSTON	1008340854	RED RIVER REDEVELOPMENT AUTHORITY	107 CHAPEL LN	75570	TRIS
NEW BOSTON	1007255677	RED RIVER REDEVELOPMENT AUTHORITY	107 CHAPEL LN	75570	FINDS, Ind. Haz Waste
NEW BOSTON	1007210761	RED RIVER REDEVELOPMENT AUTHORITY	107 CHAPEL LN	75570	RCRA-LQG
NEW BOSTON	S104956995	JERRYS MUFFLER SHOP	705 NE HWY 82	75570	LTANKS
NEW BOSTON	U003565423	DOTS GROCERY	S HWY 8	75570	UST
NEW BOSTON	1007881422	WAL MART SUPERCENTER NO 181	800 JAMES BOWIE DRIVE	75570	RCRA-SQG
NEW BOSTON	U003986267	WAL-MART SUPERCENTER 181	800 JAMES BOWIE DR	75570	UST
NEW BOSTON	U003991468	MURPHY USA 7212	860 JAMES BOWIE DR	75570	UST
NEW BOSTON	1007082236	RED RIVER REDEVELOPMENT AUTH.	RED RV ARSENAL, 19000 ACRES S	75570	FINDS
TEXARKANA	1004785439	EXXON MOBIL CORPORATION	I-30 & HWY 59	75501	RCRA-SQG, FINDS
TEXARKANA	S106857109	E-Z MART #088	RT 19 BOX 2405	75501	LUST
TEXARKANA	U003549982	JOB 3604	HWY 196 - STA. 111 & 18 LT.	75501	UST
TEXARKANA	1008188078	RED LICK ISD	FM 2148 7 I-30	75501	FTTS INSP
TEXARKANA	1003874186	NL INDUSTRIES INC TEXARKANA BARITE OP	HWY 558 3 MI SW OF TEXARKANA	75501	CERC-NFRAP
TEXARKANA	S105050467	RYAN S MOBIL	HWY 59	75501	LTANKS
TEXARKANA	U003652985	OTS LANDING	8490 W 7TH ST	75501	UST
TEXARKANA	U003420268	RED RIVER ARMY DEPOT	HWY 82 W	75501	AST
TEXARKANA	S106524624	RED RIVER ARMY DEPOT	HIGHWAY 82 W	75501	Ind. Haz Waste
TEXARKANA	S105478858	LONE STAR ARMY AMMUNITION PLANT	HIGHWAY 82 W	75501	Ind. Haz Waste
TEXARKANA	1008191778	US DOA-LONE STAR ARMY AMMUNITON PLANT	HIGHWAY 82 WEST	75501	FTTS INSP
TEXARKANA	1008178484	DAY & ZIMMERMANN (LONE STAR ARMY AMMU.)	HWY 82 W	75501	FTTS INSP
TEXARKANA	S106169859	CITY OF TEXARKANA LANDFILL	NO ADDRESS		SWF/LF
TEXARKANA	S106170615	SAM W HUGHES SR LANDFILL	NO ADDRESS		SWF/LF
TEXARKANA	S106821407	REMEDIATION SYSTEMS OF TEXAS-TEXARKANA L	NO ADDRESS		SWF/LF
TEXARKANA	S106821431	TEXARKANA MEMORIAL HOSPITAL SOLID WASTE	NO ADDRESS		SWF/LF
TEXARKANA	S106821456	WESTERN REFUSE OF TEXAS TRANSFER STATION	NO ADDRESS		SWF/LF
TEXARKANA	984661830	COMMANDER LONE STAR ARMY AMMUNITION PLAN	COMMANDER LONE STAR ARMY AMMUNITION PLANT HWY 82 WEST	75501	ERNS
		HWY 82 WEST			

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
TEXARKANA	1005497560	RED LICK ISD WWTF	1000FT W EARNEST RD/2511 NORTH FMR 2148	75501	FINDS
TEXARKANA	S106522687	LONE STAR ARMY AMMUNITION PLANT	US HIGHWAY 82 W	75501	Ind. Haz Waste
TEXARKANA	S105531005	LONE STAR ARMY AMMUNITION PLANT	US HIGHWAY 82 W	75501	Ind. Haz Waste
TEXARKANA	1007216828	LONE STAR ARMY AMMUNITION PLANT	US HIGHWAY 82 WEST	75501	FINDS
TEXARKANA	S105833389	LONE STAR ARMY AMMUNITION PLANT	US HWY 82 W, 11MI W OF	75501	Ind. Haz Waste
TEXARKANA	S105422892	E Z MART 101	KINGS HWY	75501	LTANKS
TEXARKANA	89100807	LONE STAR ARMY AMMUNITION PLANT	LONE STAR ARMY AMMUNITION PLANT		ERNS
TEXARKANA	8864658	LONESTAR ARMY AMMUNITION PLANT HIGHWAY 82'	LONESTAR ARMY AMMUNITION PLANT HIGHWAY 82W		ERNS
TEXARKANA	S106619632	LONE STAR ARMY AMMUNITION PLANT	OLD GASOLINE STATION	75501	LTANKS
TEXARKANA	S100563547	MOBIL STATION	4302 STATE LINE ROAD	75501	LUST
TEXARKANA	S107019739	LONE STAR ARMY AMMUNITION PLANT	TWELVE MILES WEST OF TEXARKANA TX AT THE JUNCTION		TX Spills

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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**TIDWELL GROCERY
HWY 82
HOOKS, TX 75561**

**LTANKS S105050176
N/A**

LTANKS:
 Facility ID: 0038199
 Facility Location: HWY 82
 Reported Date: 8/3/1992
 Entered Date: 9/1/1992
 RPR Coordinator: TMM
 Region: 05
 Region City ID: TYLER
 LPST Id: 104264
 Responsible Party: ATKINSON PETROLEUM
 RP Contact: HAMP ATKINSON
 RP Telephone: 903/628-3232
 RP Address: RT 3 BOX 604
 NEW BOSTON, TX 75570
 Priority: GW IMPACTED, NO APPARENT THREATS OR IMPACTS TO RECEPTORS
 Status: FINAL CONCURRENCE ISSUED, CASE CLOSED

**RED RIVER ARMY DEPOT LANDFILL
NO ADDRESS
HOOKS, TX 75561**

**SWF/LF S106821397
N/A**

LF:
 Facility Status : 4 CLOSED
 Region : 5
 Lat/long : 33.45/-94.36
 Direction : 2.5 MILES W OF HOOKS CITY LIMITS 3 MILE E OF NEW BOSTON CITY LIMITS
 Owner/operator : US DEPARTMENT OF THE ARMY GENERAL DELIVERY TEXARKANA, TX 75501 (214)
 838-2111
 Appl. Recvd Date : 06/25/79
 Status Date : 06/25/79
 Area Served : RED RIVER ARMY DEPOT
 Business Type : 3
 Etj : Not reported
 Permitted Acreage : 10
 Population Served : 5000
 River Basin Code : 3
 Tons Per Day : 19
 Yards Per Day : Not reported

**LONE STAR ARMY AMMUNITION PLANT
NO ADDRESS
HOOKS, TX 75561**

**SWF/LF S106821369
N/A**

LF:
 Facility Status : 1 ACTIVE
 Region : 5
 Lat/long : 33.46/-94.30
 Direction : LONE STAR ARMY AMMUNITION PLANT 11 MILES W OF TEXARKANA CITY LIMIT
 Owner/operator : US DEPARTMENT OF THE ARMY HIGHWAY 82 W TEXARKANA, TX 75505-9101 (214)
 838-2111
 Appl. Recvd Date : 04/07/86
 Status Date : 11/16/89
 Area Served : LONE STAR ARMY AMMO
 Business Type : 3
 Etj : Not reported
 Permitted Acreage : 68

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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LONE STAR ARMY AMMUNITION PLANT (Continued)		S106821369
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Population Served : 8000
 River Basin Code : 2
 Tons Per Day : 275
 Yards Per Day : Not reported

RED RIVER ARMY DEPOT TRANSFER STATION FA NO ADDRESS HOOKS, TX 75561	SWF/LF	S106170548 N/A
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LF:
 Facility Status : 5TS CLOSED
 Region : 5
 Lat/long : 33.45/-94.31
 Direction : 2.5 MILES W OF HOOKS CITY LIMITS 3 MILES E OF NEW BOSTON CITY LIMITS
 Owner/operator : US DEPARTMENT OF THE ARMY GENERAL DELIVERY TEXARKANA, TX 75501 (214) 838-2111
 Appl. Recvd Date : 06/25/79
 Status Date : 06/25/79
 Area Served : RED RIVER ARMY DEPOT
 Business Type : 3
 Etj : Not reported
 Permitted Acreage : 1
 Population Served : 5000
 River Basin Code : 3
 Tons Per Day : 10
 Yards Per Day : Not reported

WESTERN REFUSE OF TEXAS LANDFILL NO ADDRESS HOOKS, TX 75561	SWF/LF	S106170839 N/A
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LF:
 Facility Status : 1 CLOSED
 Region : 5
 Lat/long : 33.47/-94.25
 Direction : N OF IH 30 .1 MILE E FM 1398
 Owner/operator : RN WASTE INDUSTRIES 1324 W 4TH ST TEXARKANA, TX 75501 (915) 543-2814
 Appl. Recvd Date : 08/05/75
 Status Date : 07/18/85
 Area Served : W REFUSE OF TX INC
 Business Type : 3
 Etj : HOOKS
 Permitted Acreage : 97.12
 Population Served : 50000
 River Basin Code : 3
 Tons Per Day : 150
 Yards Per Day : Not reported

MALTA GROCERY FORMER TERRAL GROCERY W HWY 82 / CR 3103 MALTA, TX 75570	LTANKS	S105744053 N/A
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LTANKS:
 Facility ID: 0051527
 Facility Location: W HWY 82 & CR 3103
 Reported Date: 4/16/1996
 Entered Date: 6/12/1996

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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MALTA GROCERY FORMER TERRAL GROCERY (Continued)		S105744053
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RPR Coordinator: JSB
 Region: 05
 Region City ID: Tyler
 LPST Id: 111115
 Responsible Party: CRAWFORD NORMA ESTATE EXEC
 RP Contact: NORMA CRAWFORD
 RP Telephone: 903/667-2010
 RP Address: RR 3 BOX 72
 NEW BOSTON, TX 75570
 Priority: GW IMPACT, PUBLIC/COMESTIC WATER SUPPLY WELL W/IN 0.25mi
 Status: MONITORING

A R JACKSON RT 1 MAUD, TX 75567	UST	U003406784 N/A
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UST:
 Facility ID: 0012153
 Tank ID: 1
 Tank Emptied: No
 Capacity: 500
 Tank Material of Construction: Steel
 Pipe Material of Construction: Steel
 Other Materials of Construction: Not reported
 Tank Status: Permanently Filled In-Place
 Tank Construction & Containment: Not reported
 Pipe Construction & Containment: Not reported
 Other Construction & Containment: Not reported
 Compartment Substance Stored: Not reported
 Compartment Other Substance: Not reported
 Tank Release Detection Method: Not reported
 Tank Release Method Detection II: Not reported
 Tank Release Method Detection III: Not reported
 Other Tank Release Method Detection: Not reported
 Tank Release Detection Variance : Not reported
 Pipe Release Detection Method: Not reported
 Other Pipe Release Detection Method : Not reported
 Pipe Release Detection Variance : Not reported
 Spill and Overfill Protection: Not reported
 Tank Corrosion Protection: Not reported
 Pipe Corrosion Protection: Not reported
 Other Corrosion Protection: None
 Vapor Recovery Equipment Status: Not reported
 Equipment Installed Date: Not reported
 Equipment Installer: Not reported
 Contractor Registration Number: Not reported
 Tank Registration Date: 05081986
 Installer License Number: Not reported
 Operator Name: Not reported
 Operator Telephone number: Not reported
 Operator Address: Not reported
 Operator Address building: Not reported
 Contact Operator Name: Not reported
 Contact Operator title: Not reported
 Contact Operator Phone: Not reported
 Self-Certification date: Not reported
 Signature Name: Not reported
 Signature Title Name: Not reported

Tank Installer: Not reported
 Installation Date: 01011926
 Status Date: 08311987
 Unit ID: 00031707

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
A R JACKSON (Continued)		U003406784
Signature Type Text:	Not reported	
Certification Submitted Type:	Not reported	
Registration Self-Certification Flag:	Not reported	
Fees Self-Certification Flag:	Not reported	
Financial Assurance Self-Certification flag:	Not reported	
Technical standards Self-Certification flag:	Not reported	
UST Delivery Certificate Expiration Date:	Not reported	
Compartment letter:	Not reported	
Financial Responsibility Type:	Not reported	
Corrective Action Met Flag:	Not reported	
Third Party Met Flag:	Not reported	
Financial Assurance Beginning Date:	Not reported	
Piping Design & Ext. Containment 3 :	Not reported	
Piping Design & Ext. Containment 4 :	Not reported	
Type of Piping :	Not reported	
Internal Tank Lining Date :	00/00/00	
Pipe Connectors and Valves 1 :	Not reported	
Pipe Connectors and Valves 2 :	Not reported	
Pipe Connectors and Valves 3 :	Not reported	
Other Tank Corrosion Protection Text:	None	
Tank Corrosion Protection Variance :	No Variance	
Pipe Corrosion Protection 3 :	Not reported	
Pipe Corrosion Protection Variance :	No Variance	
Stage 2 Vapor Recry Equipment Status :	Not reported	
Stage 1 Equipment Installed Date :	Not reported	
Tank Tested :	Tested	
Compartment Capacity :	Not reported	
Owner ID :	05827	
Owner Name :	JACKSON A R	
Owner Address :	MAUD, TX 75567	
Owner Contact Telephone :	(903) 585-5313	
Owner Type :	Individual	
Owner Amendment Reason Code :	Owner Name Changed	
Owner Amendment Date :	11/01/10	
Owner Tax ID :	Not reported	
Number of Facilities reported by Owner :	0001	
Mail Undeliverable :	Not reported	
Bankruptcy In Effect :	Not reported	
# Of Underground Storage Tanks :	0002	
# Of Aboveground Storage Tanks :	0000	
Operator Effective Date :	Not reported	
Operator Type :	Individual	
Owner Contact Name:		
Date Registration Form Received :	08/86/05	
Facility Type :	None of the above, or unidentified	
Name of Facility Manager :	A.R. JACKSON	
Title of Facility Manager :	OWNER	
Facility Manager Phone :	2145855313	
Sign Name on Registration Form :	A.R. JACKSON	
Title of Signer of Registration Form :	OWNER	
Date of Signature on Registration Form :	041786	
Number of USTs:	0002	
Number of ASTs:	0000	
Facility ID 2 :	051248	
Facility PO Box :	BOX 176	
Owner PO Box :	RT 1 BOX 176	
Region Number :	05	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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A R JACKSON (Continued)

U003406784

Facility in Ozone non-attainment area : Not reported

Facility ID:	0012153	Tank Installer:	Not reported
Tank ID:	2	Installation Date:	01011926
Tank Emptied:	No	Status Date:	08311987
Capacity:	500	Unit ID:	00031708

Tank Material of Construction:	Steel
Pipe Material of Construction:	Steel
Other Materials of Construction:	Not reported
Tank Status:	Permanently Filled In-Place
Tank Construction & Containment:	Not reported
Pipe Construction & Containment:	Not reported
Other Construction & Containment:	Not reported
Compartment Substance Stored:	Not reported
Compartment Other Substance:	Not reported
Tank Release Detection Method:	Not reported
Tank Release Method Detection II:	Not reported
Tank Release Method Detection III:	Not reported
Other Tank Release Method Detection:	Not reported
Tank Release Detection Variance :	Not reported
Pipe Release Detection Method:	Not reported
Other Pipe Release Detection Method :	Not reported
Pipe Release Detection Variance :	Not reported
Spill and Overfill Protection:	Not reported
Tank Corrosion Protection:	Not reported
Pipe Corrosion Protection:	Not reported
Other Corrosion Protection:	None
Vapor Recovery Equipment Status:	Not reported
Equipment Installed Date:	Not reported
Equipment Installer:	Not reported
Contractor Registration Number:	Not reported
Tank Registration Date:	05081986
Installer License Number:	Not reported
Operator Name:	Not reported
Operator Telephone number:	Not reported
Operator Address:	
Operator Address building:	Not reported
Contact Operator Name:	
Contact Operator title:	Not reported
Contact Operator Phone:	Not reported
Self-Certification date:	Not reported
Signature Name:	Not reported
Signature Title Name:	Not reported
Signature Type Text:	Not reported
Certification Submitted Type:	Not reported
Registration Self-Certification Flag:	Not reported
Fees Self-Certification Flag:	Not reported
Financial Assurance Self-Certification flag:	Not reported
Technical standards Self-Certification flag:	Not reported
UST Delivery Certificate Expiration Date:	Not reported
Compartment letter:	Not reported
Financial Responsibility Type:	Not reported
Corrective Action Met Flag:	Not reported
Third Party Met Flag:	Not reported
Financial Assurance Beginning Date:	Not reported
Piping Design & Ext. Containment 3 :	Not reported
Piping Design & Ext. Containment 4 :	Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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A R JACKSON (Continued)		U003406784
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Type of Piping : Not reported
 Internal Tank Lining Date : 00/00/00
 Pipe Connectors and Valves 1 : Not reported
 Pipe Connectors and Valves 2 : Not reported
 Pipe Connectors and Valves 3 : Not reported
 Other Tank Corrosion Protection Text: None
 Tank Corrosion Protection Variance : No Variance
 Pipe Corrosion Protection 3 : Not reported
 Pipe Corrosion Protection Variance : No Variance
 Stage 2 Vapor Recry Equipment Status : Not reported
 Stage 1 Equipment Installed Date : Not reported
 Tank Tested : Tested
 Compartment Capacity : Not reported
 Owner ID : 05827
 Owner Name : JACKSON A R
 Owner Address : MAUD, TX 75567
 Owner Contact Telephone : (903) 585-5313
 Owner Type : Individual
 Owner Amendment Reason Code : Owner Name Changed
 Owner Amendment Date : 11/01/10
 Owner Tax ID : Not reported
 Number of Facilities reported by Owner : 0001
 Mail Undeliverable : Not reported
 Bankruptcy In Effect : Not reported
 # Of Underground Storage Tanks : 0002
 # Of Aboveground Storage Tanks : 0000
 Operator Effective Date : Not reported
 Operator Type : Individual
 Owner Contact Name:
 Date Registration Form Received : 08/86/05
 Facility Type : None of the above, or unidentified
 Name of Facility Manager : A.R. JACKSON
 Title of Facility Manager : OWNER
 Facility Manager Phone : 2145855313
 Sign Name on Registration Form : A.R. JACKSON
 Title of Signer of Registration Form : OWNER
 Date of Signature on Registration Form : 041786
 Number of USTs: 0002
 Number of ASTs: 0000
 Facility ID 2 : 051248
 Facility PO Box : BOX 176
 Owner PO Box : RT 1 BOX 176
 Region Number : 05
 Facility in Ozone non-attainment area : Not reported

**JACKSONS SERVICE STATION
 RT 1
 MAUD, TX 75567**

**UST U003406785
 LTANKS N/A**

UST:
 Facility ID: 0012154 Tank Installer: Not reported
 Tank ID: 1 Installation Date: 01011966
 Tank Emptied: No Status Date: 05281997
 Capacity: 1000 Unit ID: 00031709
 Tank Material of Construction: Steel
 Pipe Material of Construction: Steel
 Other Materials of Construction: Not reported
 Tank Status: Removed from the Ground

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
JACKSONS SERVICE STATION (Continued)		U003406785
Tank Construction & Containment:	Not reported	
Pipe Construction & Containment:	Not reported	
Other Construction & Containment:	Not reported	
Compartment Substance Stored:	Not reported	
Compartment Other Substance:	Not reported	
Tank Release Detection Method:	Not reported	
Tank Release Method Detection II:	Not reported	
Tank Release Method Detection III:	Not reported	
Other Tank Release Method Detection:	Not reported	
Tank Release Detection Variance :	Not reported	
Pipe Release Detection Method:	Not reported	
Other Pipe Release Detection Method :	Not reported	
Pipe Release Detection Variance :	Not reported	
Spill and Overfill Protection:	Not reported	
Tank Corrosion Protection:	Not reported	
Pipe Corrosion Protection:	Not reported	
Other Corrosion Protection:	None	
Vapor Recovery Equipment Status:	Not reported	
Equipment Installed Date:	Not reported	
Equipment Installer:	Not reported	
Contractor Registration Number:	Not reported	
Tank Registration Date:	05081986	
Installer License Number:	Not reported	
Operator Name:	Not reported	
Operator Telephone number:	Not reported	
Operator Address:		
Operator Address building:	Not reported	
Contact Operator Name:		
Contact Operator title:	Not reported	
Contact Operator Phone:	Not reported	
Self-Certification date:	Not reported	
Signature Name:	Not reported	
Signature Title Name:	Not reported	
Signature Type Text:	Not reported	
Certification Submitted Type:	Not reported	
Registration Self-Certification Flag:	Not reported	
Fees Self-Certification Flag:	Not reported	
Financial Assurance Self-Certification flag:	Not reported	
Technical standards Self-Certification flag:	Not reported	
UST Delivery Certificate Expiration Date:	Not reported	
Compartment letter:	Not reported	
Financial Responsibility Type:	Not reported	
Corrective Action Met Flag:	Not reported	
Third Party Met Flag:	Not reported	
Financial Assurance Beginning Date:	Not reported	
Piping Design & Ext. Containment 3 :	Not reported	
Piping Design & Ext. Containment 4 :	Not reported	
Type of Piping :	Not reported	
Internal Tank Lining Date :	00/00/00	
Pipe Connectors and Valves 1 :	Not reported	
Pipe Connectors and Valves 2 :	Not reported	
Pipe Connectors and Valves 3 :	Not reported	
Other Tank Corrosion Protection Text:	None	
Tank Corrosion Protection Variance :	No Variance	
Pipe Corrosion Protection 3 :	Not reported	
Pipe Corrosion Protection Variance :	No Variance	
Stage 2 Vapor Recry Equipment Status :	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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JACKSONS SERVICE STATION (Continued)		U003406785
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Stage 1 Equipment Installed Date :	Not reported		
Tank Tested :	Tested		
Compartment Capacity :	Not reported		
Owner ID :	48991		
Owner Name :	JACKSON A R		
Owner Address :	MAUD, TX 75567		
Owner Contact Telephone :	Not reported		
Owner Type :	Individual		
Owner Amendment Reason Code :	001		
Owner Amendment Date :	12/02/01		
Owner Tax ID :	Not reported		
Number of Facilities reported by Owner :	0001		
Mail Undeliverable :	Not reported		
Bankruptcy In Effect :	Not reported		
# Of Underground Storage Tanks :	0002		
# Of Aboveground Storage Tanks :	0000		
Operator Effective Date :	Not reported		
Operator Type :	Individual		
Owner Contact Name:			
Date Registration Form Received :	08/86/05		
Facility Type :	None of the above, or unidentified		
Name of Facility Manager :	A.R. JACKSON		
Title of Facility Manager :	STATION OWNER		
Facility Manager Phone :	2145855313		
Sign Name on Registration Form :	Q.B. WOMACK		
Title of Signer of Registration Form :	OWNER		
Date of Signature on Registration Form :	Not reported		
Number of USTs:	0002		
Number of ASTs:	0000		
Facility ID 2 :	051249		
Facility PO Box :	BOX 176		
Owner PO Box :	RT 1 BOX 176		
Region Number :	05		
Facility in Ozone non-attainment area :	Not reported		
Facility ID:	0012154	Tank Installer:	Not reported
Tank ID:	2	Installation Date:	01011976
Tank Emptied:	No	Status Date:	05281997
Capacity:	1000	Unit ID:	00031710
Tank Material of Construction:	Steel		
Pipe Material of Construction:	Steel		
Other Materials of Construction:	Not reported		
Tank Status:	Removed from the Ground		
Tank Construction & Containment:	Not reported		
Pipe Construction & Containment:	Not reported		
Other Construction & Containment:	Not reported		
Compartment Substance Stored:	Not reported		
Compartment Other Substance:	Not reported		
Tank Release Detection Method:	Not reported		
Tank Release Method Detection II:	Not reported		
Tank Release Method Detection III:	Not reported		
Other Tank Release Method Detection:	Not reported		
Tank Release Detection Variance :	Not reported		
Pipe Release Detection Method:	Not reported		
Other Pipe Release Detection Method :	Not reported		
Pipe Release Detection Variance :	Not reported		
Spill and Overfill Protection:	Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
JACKSONS SERVICE STATION (Continued)		U003406785
Tank Corrosion Protection:	Not reported	
Pipe Corrosion Protection:	Not reported	
Other Corrosion Protection:	None	
Vapor Recovery Equipment Status:	Not reported	
Equipment Installed Date:	Not reported	
Equipment Installer:	Not reported	
Contractor Registration Number:	Not reported	
Tank Registration Date:	05081986	
Installer License Number:	Not reported	
Operator Name:	Not reported	
Operator Telephone number:	Not reported	
Operator Address:		
Operator Address building:	Not reported	
Contact Operator Name:		
Contact Operator title:	Not reported	
Contact Operator Phone:	Not reported	
Self-Certification date:	Not reported	
Signature Name:	Not reported	
Signature Title Name:	Not reported	
Signature Type Text:	Not reported	
Certification Submitted Type:	Not reported	
Registration Self-Certification Flag:	Not reported	
Fees Self-Certification Flag:	Not reported	
Financial Assurance Self-Certification flag:	Not reported	
Technical standards Self-Certification flag:	Not reported	
UST Delivery Certificate Expiration Date:	Not reported	
Compartment letter:	Not reported	
Financial Responsibility Type:	Not reported	
Corrective Action Met Flag:	Not reported	
Third Party Met Flag:	Not reported	
Financial Assurance Beginning Date:	Not reported	
Piping Design & Ext. Containment 3 :	Not reported	
Piping Design & Ext. Containment 4 :	Not reported	
Type of Piping :	Not reported	
Internal Tank Lining Date :	00/00/00	
Pipe Connectors and Valves 1 :	Not reported	
Pipe Connectors and Valves 2 :	Not reported	
Pipe Connectors and Valves 3 :	Not reported	
Other Tank Corrosion Protection Text:	None	
Tank Corrosion Protection Variance :	No Variance	
Pipe Corrosion Protection 3 :	Not reported	
Pipe Corrosion Protection Variance :	No Variance	
Stage 2 Vapor Recry Equipment Status :	Not reported	
Stage 1 Equipment Installed Date :	Not reported	
Tank Tested :	Tested	
Compartment Capacity :	Not reported	
Owner ID :	48991	
Owner Name :	JACKSON A R	
Owner Address :	MAUD, TX 75567	
Owner Contact Telephone :	Not reported	
Owner Type :	Individual	
Owner Amendment Reason Code :	001	
Owner Amendment Date :	12/02/01	
Owner Tax ID :	Not reported	
Number of Facilities reported by Owner :	0001	
Mail Undeliverable :	Not reported	
Bankruptcy In Effect :	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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JACKSONS SERVICE STATION (Continued)		U003406785
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Of Underground Storage Tanks : 0002
 # Of Aboveground Storage Tanks : 0000
 Operator Effective Date : Not reported
 Operator Type : Individual
 Owner Contact Name:
 Date Registration Form Received : 08/86/05
 Facility Type : None of the above, or unidentified
 Name of Facility Manager : A.R. JACKSON
 Title of Facility Manager : STATION OWNER
 Facility Manager Phone : 2145855313
 Sign Name on Registration Form : Q.B. WOMACK
 Title of Signer of Registration Form : OWNER
 Date of Signature on Registration Form : Not reported
 Number of USTs: 0002
 Number of ASTs: 0000
 Facility ID 2 : 051249
 Facility PO Box : BOX 176
 Owner PO Box : RT 1 BOX 176
 Region Number : 05
 Facility in Ozone non-attainment area : Not reported

LTANKS:

Facility ID: 0012154
 Facility Location: HWY 8 & HWY 67
 Reported Date: 10/14/1997
 Entered Date: 10/14/1997
 RPR Coordinator: XYZ
 Region: 05
 Region City ID: TYLER
 LPST Id: 112711
 Responsible Party: JACKSON A R
 RP Contact: A R JACKSON
 RP Telephone: 903/585-5313
 RP Address: RR 1 BOX 176
 MAUD, TX 75567
 Priority: NO GW IMPACT, NO APPARENT THREATS OR IMPACTS TO RECEPTORS
 Status: FINAL CONCURRENCE ISSUED, CASE CLOSED

CITY OF MAUD LANDFILL NO ADDRESS MAUD, TX 75567	SWF/LF	S106169627 N/A
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LF:

Facility Status : 3 CLOSED
 Region : 5
 Lat/long : 33.34/-94.31
 Direction : 1000 FEET S OF US HIGHWAY 67 1.25 MILES E OF MAUD CITY LIMITS
 Owner/operator : CITY OF MAUD PO BOX 427 MAUD, TX 75567 (214) 585-2294
 Appl. Recvd Date : 02/18/76
 Status Date : 01/29/98
 Area Served : MAUD
 Business Type : CITY
 Etj : MAUD
 Permitted Acreage : 18.38
 Population Served : 1107
 River Basin Code : 3
 Tons Per Day : 2
 Yards Per Day : Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
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**VIVIAN ANDERSON
RT 2
NEW BOSTON, TX 75570**

**UST U003406788
N/A**

UST:

Facility ID:	0041266	Tank Installer:	Not reported
Tank ID:	1	Installation Date:	01011971
Tank Emptied:	No	Status Date:	12311974
Capacity:	0	Unit ID:	00109316
Tank Material of Construction:	Steel		
Pipe Material of Construction:	Not reported		
Other Materials of Construction:	Not reported		
Tank Status:	Permanently Filled In-Place		
Tank Construction & Containment:	Not reported		
Pipe Construction & Containment:	Not reported		
Other Construction & Containment:	Not reported		
Compartment Substance Stored:	Not reported		
Compartment Other Substance:	Not reported		
Tank Release Detection Method:	Not reported		
Tank Release Method Detection II:	Not reported		
Tank Release Method Detection III:	Not reported		
Other Tank Release Method Detection:	Not reported		
Tank Release Detection Variance :	Not reported		
Pipe Release Detection Method:	Not reported		
Other Pipe Release Detection Method :	Not reported		
Pipe Release Detection Variance :	Not reported		
Spill and Overfill Protection:	Not reported		
Tank Corrosion Protection:	Not reported		
Pipe Corrosion Protection:	Not reported		
Other Corrosion Protection:	None		
Vapor Recovery Equipment Status:	Not reported		
Equipment Installed Date:	Not reported		
Equipment Installer:	Not reported		
Contractor Registration Number:	Not reported		
Tank Registration Date:	05081986		
Installer License Number:	Not reported		
Operator Name:	Not reported		
Operator Telephone number:	Not reported		
Operator Address:			
Operator Address building:	Not reported		
Contact Operator Name:			
Contact Operator title:	Not reported		
Contact Operator Phone:	Not reported		
Self-Certification date:	Not reported		
Signature Name:	Not reported		
Signature Title Name:	Not reported		
Signature Type Text:	Not reported		
Certification Submitted Type:	Not reported		
Registration Self-Certification Flag:	Not reported		
Fees Self-Certification Flag:	Not reported		
Financial Assurance Self-Certification flag:	Not reported		
Technical standards Self-Certification flag:	Not reported		
UST Delivery Certificate Expiration Date:	Not reported		
Compartment letter:	Not reported		
Financial Responsibility Type:	Not reported		
Corrective Action Met Flag:	Not reported		
Third Party Met Flag:	Not reported		
Financial Assurance Beginning Date:	Not reported		
Piping Design & Ext. Containment 3 :	Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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VIVIAN ANDERSON (Continued)

U003406788

Piping Design & Ext. Containment 4 :	Not reported		
Type of Piping :	Not reported		
Internal Tank Lining Date :	00/00/00		
Pipe Connectors and Valves 1 :	Not reported		
Pipe Connectors and Valves 2 :	Not reported		
Pipe Connectors and Valves 3 :	Not reported		
Other Tank Corrosion Protection Text:	None		
Tank Corrosion Protection Variance :	No Variance		
Pipe Corrosion Protection 3 :	Not reported		
Pipe Corrosion Protection Variance :	No Variance		
Stage 2 Vapor Recry Equipment Status :	Not reported		
Stage 1 Equipment Installed Date :	Not reported		
Tank Tested :	Tested		
Compartment Capacity :	Not reported		
Owner ID :	18972		
Owner Name :	ANDERSON VIVIAN		
Owner Address :	NEW BOSTON, TX 75570		
Owner Contact Telephone :	903-667-2732		
Owner Type :	Individual		
Owner Amendment Reason Code :	Owner Name Changed		
Owner Amendment Date :	04/01/12		
Owner Tax ID :	Not reported		
Number of Facilities reported by Owner :	0001		
Mail Undeliverable :	Not reported		
Bankruptcy In Effect :	Not reported		
# Of Underground Storage Tanks :	0002		
# Of Aboveground Storage Tanks :	0000		
Operator Effective Date :	Not reported		
Operator Type :	Individual		
Owner Contact Name:			
Date Registration Form Received :	08/86/05		
Facility Type :	None of the above, or unidentified		
Name of Facility Manager :	VIVIAN ANDERSON		
Title of Facility Manager :	OWNER		
Facility Manager Phone :	2146672732		
Sign Name on Registration Form :	VIVIAN ANDERSON		
Title of Signer of Registration Form :	OWNER		
Date of Signature on Registration Form :	043086		
Number of USTs:	0002		
Number of ASTs:	0000		
Facility ID 2 :	070807		
Facility PO Box :	Not reported		
Owner PO Box :	RT 2 BOX 200		
Region Number :	05		
Facility in Ozone non-attainment area :	Not reported		
Facility ID:	0041266	Tank Installer:	Not reported
Tank ID:	2	Installation Date:	01011971
Tank Emptied:	No	Status Date:	12311974
Capacity:	0	Unit ID:	00109317
Tank Material of Construction:	Steel		
Pipe Material of Construction:	Not reported		
Other Materials of Construction:	Not reported		
Tank Status:	Permanently Filled In-Place		
Tank Construction & Containment:	Not reported		
Pipe Construction & Containment:	Not reported		
Other Construction & Containment:	Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
VIVIAN ANDERSON (Continued)		U003406788
Compartment Substance Stored:	Not reported	
Compartment Other Substance:	Not reported	
Tank Release Detection Method:	Not reported	
Tank Release Method Detection II:	Not reported	
Tank Release Method Detection III:	Not reported	
Other Tank Release Method Detection:	Not reported	
Tank Release Detection Variance :	Not reported	
Pipe Release Detection Method:	Not reported	
Other Pipe Release Detection Method :	Not reported	
Pipe Release Detection Variance :	Not reported	
Spill and Overfill Protection:	Not reported	
Tank Corrosion Protection:	Not reported	
Pipe Corrosion Protection:	Not reported	
Other Corrosion Protection:	None	
Vapor Recovery Equipment Status:	Not reported	
Equipment Installed Date:	Not reported	
Equipment Installer:	Not reported	
Contractor Registration Number:	Not reported	
Tank Registration Date:	05081986	
Installer License Number:	Not reported	
Operator Name:	Not reported	
Operator Telephone number:	Not reported	
Operator Address:	Not reported	
Operator Address building:	Not reported	
Contact Operator Name:	Not reported	
Contact Operator title:	Not reported	
Contact Operator Phone:	Not reported	
Self-Certification date:	Not reported	
Signature Name:	Not reported	
Signature Title Name:	Not reported	
Signature Type Text:	Not reported	
Certification Submitted Type:	Not reported	
Registration Self-Certification Flag:	Not reported	
Fees Self-Certification Flag:	Not reported	
Financial Assurance Self-Certification flag:	Not reported	
Technical standards Self-Certification flag:	Not reported	
UST Delivery Certificate Expiration Date:	Not reported	
Compartment letter:	Not reported	
Financial Responsibility Type:	Not reported	
Corrective Action Met Flag:	Not reported	
Third Party Met Flag:	Not reported	
Financial Assurance Beginning Date:	Not reported	
Piping Design & Ext. Containment 3 :	Not reported	
Piping Design & Ext. Containment 4 :	Not reported	
Type of Piping :	Not reported	
Internal Tank Lining Date :	00/00/00	
Pipe Connectors and Valves 1 :	Not reported	
Pipe Connectors and Valves 2 :	Not reported	
Pipe Connectors and Valves 3 :	Not reported	
Other Tank Corrosion Protection Text:	None	
Tank Corrosion Protection Variance :	No Variance	
Pipe Corrosion Protection 3 :	Not reported	
Pipe Corrosion Protection Variance :	No Variance	
Stage 2 Vapor Recry Equipment Status :	Not reported	
Stage 1 Equipment Installed Date :	Not reported	
Tank Tested :	Tested	
Compartment Capacity :	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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VIVIAN ANDERSON (Continued)		U003406788
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Owner ID : 18972
 Owner Name : ANDERSON VIVIAN
 Owner Address : NEW BOSTON, TX 75570
 Owner Contact Telephone : 903-667-2732
 Owner Type : Individual
 Owner Amendment Reason Code : Owner Name Changed
 Owner Amendment Date : 04/01/12
 Owner Tax ID : Not reported
 Number of Facilities reported by Owner : 0001
 Mail Undeliverable : Not reported
 Bankruptcy In Effect : Not reported
 # Of Underground Storage Tanks : 0002
 # Of Aboveground Storage Tanks : 0000
 Operator Effective Date : Not reported
 Operator Type : Individual
 Owner Contact Name:
 Date Registration Form Received : 08/86/05
 Facility Type : None of the above, or unidentified
 Name of Facility Manager : VIVIAN ANDERSON
 Title of Facility Manager : OWNER
 Facility Manager Phone : 2146672732
 Sign Name on Registration Form : VIVIAN ANDERSON
 Title of Signer of Registration Form : OWNER
 Date of Signature on Registration Form : 043086
 Number of USTs: 0002
 Number of ASTs: 0000
 Facility ID 2 : 070807
 Facility PO Box : Not reported
 Owner PO Box : RT 2 BOX 200
 Region Number : 05
 Facility in Ozone non-attainment area : Not reported

NEI TRANSPORT LLC
RT 3 BOX 880 TEXAS 98
NEW BOSTON, TX 75570

RCRA-SQG 1001818857
FINDS TXR000033373

RCRAInfo:

Owner: NEI TRANSPORT, LLC
 (800) 625-6885

EPA ID: TXR000033373

Contact: DAVE LAMBERT
 (800) 625-6885

Classification: Small Quantity Generator
 TSD Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
 RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
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**TYSON TRUCK SERVICE
N 5 M OF NEW BOSTON HWY
NEW BOSTON, TX 75570**

**UST U001294003
N/A**

UST:

Facility ID:	0059666	Tank Installer:	Not reported
Tank ID:	1	Installation Date:	Not reported
Tank Emptied:	No	Status Date:	03131991
Capacity:	10000	Unit ID:	00140808
Tank Material of Construction:	Steel		
Pipe Material of Construction:	Steel		
Other Materials of Construction:	Not reported		
Tank Status:	Removed from the Ground		
Tank Construction & Containment:	Single Wall		
Pipe Construction & Containment:	Single Wall		
Other Construction & Containment:	Not reported		
Compartment Substance Stored:	Not reported		
Compartment Other Substance:	Not reported		
Tank Release Detection Method:	Not reported		
Tank Release Method Detection II:	Not reported		
Tank Release Method Detection III:	Not reported		
Other Tank Release Method Detection:	Not reported		
Tank Release Detection Variance :	Not reported		
Pipe Release Detection Method:	Not reported		
Other Pipe Release Detection Method :	Not reported		
Pipe Release Detection Variance :	Not reported		
Spill and Overfill Protection:	Not reported		
Tank Corrosion Protection:	Not reported		
Pipe Corrosion Protection:	Not reported		
Other Corrosion Protection:	None		
Vapor Recovery Equipment Status:	Not reported		
Equipment Installed Date:	Not reported		
Equipment Installer:	Not reported		
Contractor Registration Number:	Not reported		
Tank Registration Date:	06251991		
Installer License Number:	Not reported		
Operator Name:	Not reported		
Operator Telephone number:	Not reported		
Operator Address:			
Operator Address building:	Not reported		
Contact Operator Name:			
Contact Operator title:	Not reported		
Contact Operator Phone:	Not reported		
Self-Certification date:	Not reported		
Signature Name:	Not reported		
Signature Title Name:	Not reported		
Signature Type Text:	Not reported		
Certification Submitted Type:	Not reported		
Registration Self-Certification Flag:	Not reported		
Fees Self-Certification Flag:	Not reported		
Financial Assurance Self-Certification flag:	Not reported		
Technical standards Self-Certification flag:	Not reported		
UST Delivery Certificate Expiration Date:	Not reported		
Compartment letter:	Not reported		
Financial Responsibility Type:	Not reported		
Corrective Action Met Flag:	Not reported		
Third Party Met Flag:	Not reported		
Financial Assurance Beginning Date:	Not reported		
Piping Design & Ext. Containment 3 :	Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
TYSON TRUCK SERVICE (Continued)		U001294003
Piping Design & Ext. Containment 4 :	Not reported	
Type of Piping :	Not reported	
Internal Tank Lining Date :	00/00/00	
Pipe Connectors and Valves 1 :	Not reported	
Pipe Connectors and Valves 2 :	Not reported	
Pipe Connectors and Valves 3 :	Not reported	
Other Tank Corrosion Protection Text:	None	
Tank Corrosion Protection Variance :	No Variance	
Pipe Corrosion Protection 3 :	Not reported	
Pipe Corrosion Protection Variance :	No Variance	
Stage 2 Vapor Recry Equipment Status :	Not reported	
Stage 1 Equipment Installed Date :	Not reported	
Tank Tested :	Not reported	
Compartment Capacity :	Not reported	
Owner ID :	10266	
Owner Name :	TYSON FOODS INC	
Owner Address :	1200 W KINGSBURY ST SEGUIN, TX 78155	
Owner Contact Telephone :	501-290-7272	
Owner Type :	Corporation	
Owner Amendment Reason Code :	Owner Billing Address Changed	
Owner Amendment Date :	15/04/10	
Owner Tax ID :	Not reported	
Number of Facilities reported by Owner :	0003	
Mail Undeliverable :	Not reported	
Bankruptcy In Effect :	Not reported	
# Of Underground Storage Tanks :	0002	
# Of Aboveground Storage Tanks :	0001	
Operator Effective Date :	Not reported	
Operator Type :	Corporation	
Owner Contact Name:	John Couch	
Date Registration Form Received :	25/91/06	
Facility Type :	Fleet Refueling	
Name of Facility Manager :	JIM AMIDON	
Title of Facility Manager :	MGR ENVIRON COMP	
Facility Manager Phone :	5017564505	
Sign Name on Registration Form :	JIM AMIDON	
Title of Signer of Registration Form :	MGR ENVIRON COMP	
Date of Signature on Registration Form :	031391	
Number of USTs:	0001	
Number of ASTs:	0000	
Facility ID 2 :	058237	
Facility PO Box :	Not reported	
Owner PO Box :	Not reported	
Region Number :	05	
Facility in Ozone non-attainment area :	Not reported	

**WAL-MART NO 181
401 HWY 8 NORTH
NEW BOSTON, TX 75570**

**RCRA-SQG 1004787365
FINDS TXR000007831**

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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WAL-MART NO 181 (Continued)		1004787365
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RCRAInfo:
 Owner: WAL-MART STORES INC
 (479) 273-4293
 EPA ID: TXR000007831
 Contact: MARK NEIGHBORS
 (903) 628-5557
 Classification: Small Quantity Generator
 TSD Activities: Not reported
 Violation Status: No violations found

FINDS:
 Other Pertinent Environmental Activity Identified at Site:
 RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

TXDOT NEW BOSTON HWY 8 NEW BOSTON, TX 75570	LTANKS	S105049895 N/A
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LTANKS:
 Facility ID: 0013000
 Facility Location: HWY 8 S OF HWY 82
 Reported Date: 3/6/1991
 Entered Date: 3/15/1991
 RPR Coordinator: RPR
 Region: 05
 Region City ID: TYLER
 LPST Id: 098281
 Responsible Party: TXDOT
 RP Contact: BILL WILSON
 RP Telephone: 512/416-3048
 RP Address: 125 E 11TH ST
 AUSTIN, TX 78701
 Priority: SOIL CONTAMINATION ONLY, REQUIRES FULL SITE ASSESSMENT &
 RAP
 Status: FINAL CONCURRENCE ISSUED, CASE CLOSED

WOOD MOTOR COMPANY HIGHWAY 82 E NEW BOSTON, TX 75570	RCRA-SQG FINDS	1000183677 TXD987984739
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RCRAInfo:
 Owner: WOODS D & JOHNSTON J
 (000) 000-0000
 EPA ID: TXD987984739
 Contact: JIM MORDON
 (214) 628-2513
 Classification: Small Quantity Generator
 TSD Activities: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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WOOD MOTOR COMPANY (Continued) Violation Status: No violations found		1000183677
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FINDS:

Other Pertinent Environmental Activity Identified at Site:
RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

RED RIVER REDEVELOPMENT AUTHORITY 107 CHAPEL LN NEW BOSTON, TX 75570	Ind. Haz Waste	S106522495 N/A
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TX IHW:

Registration Number:	87407
Year:	2003
Registration Initial Notification Date:	02/03/2004
Registration Last Amendment Date:	Not reported
EPA Identification:	TXR000057349
TNRCC Permit Number:	117192
Revcr Has Monthly Reporting Requirement:	Not reported
Description of Facility Site Location:	107 Chapel Ln, New Boston, TX
Site Primary Standard Industrial Code:	97110
	National Security
	Public Admin.
Registration is a Generator of Waste:	Yes
Registration is a Receivers of Waste:	No
Registration is a Transporter of Waste:	No
Registration is a Transfer Facility:	No
Mexican Facility:	Does not represent a Maquiladora (Mexican Facility)
Facility Country:	Not reported
Facility Status:	Active
Type of Generator:	Non-industrial and/or municipal, LQG
Company Name:	Red River Redevelopment Authority
Facility County:	Not reported
TNRCC Region:	Not reported
TNRCC Facility ID :	117192
Site Owner Tax ID :	752804233
Site Location Lat/Long :	Not reported
Last Update to NOR Data :	20040227
Ind. waste permit # :	Not reported
Mun waste permit # :	Not reported
Non Notifier :	No
Facility is STEERS Reporter :	No
Fac Req to Submit Annual Waste Summary Rpt :	Yes
Facility Involved In Recycling:	No
Mailing Address:	107 Chapel Ln New Boston, TX 75570 - 9554
Mailing County:	USA
Mailing Add 3:	Not reported
Contact:	Duane Lavery
Contact Telephone Number:	903-223-9841

[Click this hyperlink](#) while viewing on your computer to access additional TX IHW detail in the EDR Site Report.

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
RED RIVER REDEVELOPMENT AUTHORITY 107 CHAPEL LN NEW BOSTON, TX 75570	TRIS	1008340854 75570RDRVR17

RED RIVER REDEVELOPMENT AUTHORITY 107 CHAPEL LN NEW BOSTON, TX 75570	FINDS Ind. Haz Waste	1007255677 110017285588
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FINDS:

Other Pertinent Environmental Activity Identified at Site:
 RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
 TOXIC CHEMICAL RELEASE INVENTORY SYSTEM

TX IHW:

Registration Number:	87407
Year:	2004
Registration Initial Notification Date:	02/03/2004
Registration Last Amendment Date:	Not reported
EPA Identification:	TXR000057349
TNRCC Permit Number:	117192
Revcr Has Monthly Reporting Requirement:	9
Description of Facility Site Location:	107 Chapel Ln, New Boston, TX
Site Primary Standard Industrial Code:	97110
	National Security
	Public Admin.
Registration is a Generator of Waste:	Yes
Registration is a Receivers of Waste:	No
Registration is a Transporter of Waste:	No
Registration is a Transfer Facility:	No
Mexican Facility:	Does not represent a Maquiladora (Mexican Facility)
Facility Country:	USA
Facility Status:	Active
Type of Generator:	Non-industrial and/or municipal, LQG
Company Name:	Red River Redevelopment Authority
Facility County:	Not reported
TNRCC Region:	Not reported
TNRCC Facility ID :	117192
Site Owner Tax ID :	752804233
Site Location Lat/Long :	Not reported
Last Update to NOR Data :	20041231
Ind. waste permit # :	Not reported
Mun waste permit # :	Not reported
Non Notifier :	No
Facility is STEERS Reporter :	Yes
Fac Req to Submit Annual Waste Summary Rpt :	Yes
Facility Involved In Recycling:	No
Mailing Address:	107 Chapel Ln New Boston, TX 75570 - 9554
Mailing County:	USA
Mailing Add 3:	Not reported
Contact:	Duane Lavery
Contact Telephone Number:	903-223-9841

[Click this hyperlink](#) while viewing on your computer to access additional TX IHW detail in the EDR Site Report.

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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RED RIVER REDEVELOPMENT AUTHORITY
107 CHAPEL LN
NEW BOSTON, TX 75570

RCRA-LQG **1007210761**
TXR000057349

RCRAInfo:
 Owner: RED RIVER REDEVELOPMENT AUTHORITY
 903-223-9841
 EPA ID: TXR000057349
 Contact: DUANE LAVERY
 903-223-9841

Classification: Large Quantity Generator
 TSDF Activities: Not reported
 Violation Status: No violations found

JERRYS MUFFLER SHOP
705 NE HWY 82
NEW BOSTON, TX 75570

LTANKS **S104956995**
N/A

LTANKS:
 Facility ID: 0062104
 Facility Location: NE HWY 82
 Reported Date: 7/10/1992
 Entered Date: 8/10/1992
 RPR Coordinator: RWL
 Region: 05
 Region City ID: TYLER
 LPST Id: 103810
 Responsible Party: SPRIGGS SHELIA
 RP Contact: SHEILA SPRIGGS
 RP Telephone: 903/832-7065
 RP Address: 3308 BARKWOOD
 TEXARKANA, TX 75501
 Priority: MINOR SOIL CONTAMINATION - DOES NOT REQUIRE A RAP
 Status: FINAL CONCURRENCE ISSUED, CASE CLOSED

DOTS GROCERY
S HWY 8
NEW BOSTON, TX 75570

UST **U003565423**
N/A

UST:			
Facility ID:	0038187	Tank Installer:	Not reported
Tank ID:	3	Installation Date:	01011974
Tank Emptied:	No	Status Date:	07031997
Capacity:	1000	Unit ID:	00100694
Tank Material of Construction:	Steel		
Pipe Material of Construction:	Steel		
Other Materials of Construction:	Not reported		
Tank Status:	Removed from the Ground		
Tank Construction & Containment:	Not reported		
Pipe Construction & Containment:	Not reported		
Other Construction & Containment:	Not reported		
Compartment Substance Stored:	Not reported		
Compartment Other Substance:	Not reported		
Tank Release Detection Method:	Not reported		
Tank Release Method Detection II:	Not reported		
Tank Release Method Detection III:	Not reported		
Other Tank Release Method Detection:	Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
DOTS GROCERY (Continued)		U003565423
Tank Release Detection Variance :	Not reported	
Pipe Release Detection Method:	Not reported	
Other Pipe Release Detection Method :	Not reported	
Pipe Release Detection Variance :	Not reported	
Spill and Overfill Protection:	Not reported	
Tank Corrosion Protection:	Not reported	
Pipe Corrosion Protection:	Not reported	
Other Corrosion Protection:	None	
Vapor Recovery Equipment Status:	Not reported	
Equipment Installed Date:	Not reported	
Equipment Installer:	Not reported	
Contractor Registration Number:	Not reported	
Tank Registration Date:	05081986	
Installer License Number:	Not reported	
Operator Name:	Not reported	
Operator Telephone number:	Not reported	
Operator Address:		
Operator Address building:	Not reported	
Contact Operator Name:		
Contact Operator title:	Not reported	
Contact Operator Phone:	Not reported	
Self-Certification date:	Not reported	
Signature Name:	Not reported	
Signature Title Name:	Not reported	
Signature Type Text:	Not reported	
Certification Submitted Type:	Not reported	
Registration Self-Certification Flag:	Not reported	
Fees Self-Certification Flag:	Not reported	
Financial Assurance Self-Certification flag:	Not reported	
Technical standards Self-Certification flag:	Not reported	
UST Delivery Certificate Expiration Date:	Not reported	
Compartment letter:	Not reported	
Financial Responsibility Type:	Not reported	
Corrective Action Met Flag:	Not reported	
Third Party Met Flag:	Not reported	
Financial Assurance Beginning Date:	Not reported	
Piping Design & Ext. Containment 3 :	Not reported	
Piping Design & Ext. Containment 4 :	Not reported	
Type of Piping :	Not reported	
Internal Tank Lining Date :	00/00/00	
Pipe Connectors and Valves 1 :	Not reported	
Pipe Connectors and Valves 2 :	Not reported	
Pipe Connectors and Valves 3 :	Not reported	
Other Tank Corrosion Protection Text:	None	
Tank Corrosion Protection Variance :	No Variance	
Pipe Corrosion Protection 3 :	Not reported	
Pipe Corrosion Protection Variance :	No Variance	
Stage 2 Vapor Recry Equipment Status :	Not reported	
Stage 1 Equipment Installed Date :	Not reported	
Tank Tested :	Not reported	
Compartment Capacity :	Not reported	
Owner ID :	47730	
Owner Name :	UPTON EARL AND DOROTHY	
Owner Address :	NEW BOSTON, TX 75570	
Owner Contact Telephone :	903-628-6971	
Owner Type :	Private or Corporate	
Owner Amendment Reason Code :	Owner Name Changed	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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DOTS GROCERY (Continued)

U003565423

Owner Amendment Date :	25/02/01		
Owner Tax ID :	Not reported		
Number of Facilities reported by Owner :	0001		
Mail Undeliverable :	Not reported		
Bankruptcy In Effect :	Not reported		
# Of Underground Storage Tanks :	0003		
# Of Aboveground Storage Tanks :	0000		
Operator Effective Date :	Not reported		
Operator Type :	Private or Corporate		
Owner Contact Name:	Dorothy Upton		
Date Registration Form Received :	08/86/05		
Facility Type :	None of the above, or unidentified		
Name of Facility Manager :	HAMP ATKINSON		
Title of Facility Manager :	PRES.		
Facility Manager Phone :	2148388545		
Sign Name on Registration Form :	HAMP ATKINSON		
Title of Signer of Registration Form :	PRES.		
Date of Signature on Registration Form :	043086		
Number of USTs:	0003		
Number of ASTs:	0000		
Facility ID 2 :	069332		
Facility PO Box :	Not reported		
Owner PO Box :	RT 1 BOX 247		
Region Number :	05		
Facility in Ozone non-attainment area :	Not reported		
Facility ID:	0038187	Tank Installer:	Not reported
Tank ID:	2	Installation Date:	01011974
Tank Emptied:	No	Status Date:	07031997
Capacity:	1000	Unit ID:	00100695
Tank Material of Construction:	Steel		
Pipe Material of Construction:	Steel		
Other Materials of Construction:	Not reported		
Tank Status:	Removed from the Ground		
Tank Construction & Containment:	Not reported		
Pipe Construction & Containment:	Not reported		
Other Construction & Containment:	Not reported		
Compartment Substance Stored:	Not reported		
Compartment Other Substance:	Not reported		
Tank Release Detection Method:	Not reported		
Tank Release Method Detection II:	Not reported		
Tank Release Method Detection III:	Not reported		
Other Tank Release Method Detection:	Not reported		
Tank Release Detection Variance :	Not reported		
Pipe Release Detection Method:	Not reported		
Other Pipe Release Detection Method :	Not reported		
Pipe Release Detection Variance :	Not reported		
Spill and Overfill Protection:	Not reported		
Tank Corrosion Protection:	Not reported		
Pipe Corrosion Protection:	Not reported		
Other Corrosion Protection:	None		
Vapor Recovery Equipment Status:	Not reported		
Equipment Installed Date:	Not reported		
Equipment Installer:	Not reported		
Contractor Registration Number:	Not reported		
Tank Registration Date:	05081986		
Installer License Number:	Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
DOTS GROCERY (Continued)		U003565423
Operator Name:	Not reported	
Operator Telephone number:	Not reported	
Operator Address:		
Operator Address building:	Not reported	
Contact Operator Name:		
Contact Operator title:	Not reported	
Contact Operator Phone:	Not reported	
Self-Certification date:	Not reported	
Signature Name:	Not reported	
Signature Title Name:	Not reported	
Signature Type Text:	Not reported	
Certification Submitted Type:	Not reported	
Registration Self-Certification Flag:	Not reported	
Fees Self-Certification Flag:	Not reported	
Financial Assurance Self-Certification flag:	Not reported	
Technical standards Self-Certification flag:	Not reported	
UST Delivery Certificate Expiration Date:	Not reported	
Compartment letter:	Not reported	
Financial Responsibility Type:	Not reported	
Corrective Action Met Flag:	Not reported	
Third Party Met Flag:	Not reported	
Financial Assurance Beginning Date:	Not reported	
Piping Design & Ext. Containment 3 :	Not reported	
Piping Design & Ext. Containment 4 :	Not reported	
Type of Piping :	Not reported	
Internal Tank Lining Date :	00/00/00	
Pipe Connectors and Valves 1 :	Not reported	
Pipe Connectors and Valves 2 :	Not reported	
Pipe Connectors and Valves 3 :	Not reported	
Other Tank Corrosion Protection Text:	None	
Tank Corrosion Protection Variance :	No Variance	
Pipe Corrosion Protection 3 :	Not reported	
Pipe Corrosion Protection Variance :	No Variance	
Stage 2 Vapor Recry Equipment Status :	Not reported	
Stage 1 Equipment Installed Date :	Not reported	
Tank Tested :	Not reported	
Compartment Capacity :	Not reported	
Owner ID :	47730	
Owner Name :	UPTON EARL AND DOROTHY	
Owner Address :	NEW BOSTON, TX 75570	
Owner Contact Telephone :	903-628-6971	
Owner Type :	Private or Corporate	
Owner Amendment Reason Code :	Owner Name Changed	
Owner Amendment Date :	25/02/01	
Owner Tax ID :	Not reported	
Number of Facilities reported by Owner :	0001	
Mail Undeliverable :	Not reported	
Bankruptcy In Effect :	Not reported	
# Of Underground Storage Tanks :	0003	
# Of Aboveground Storage Tanks :	0000	
Operator Effective Date :	Not reported	
Operator Type :	Private or Corporate	
Owner Contact Name:	Dorothy Upton	
Date Registration Form Received :	08/86/05	
Facility Type :	None of the above, or unidentified	
Name of Facility Manager :	HAMP ATKINSON	
Title of Facility Manager :	PRES.	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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DOTS GROCERY (Continued)

U003565423

Facility Manager Phone :	2148388545		
Sign Name on Registration Form :	HAMP ATKINSON		
Title of Signer of Registration Form :	PRES.		
Date of Signature on Registration Form :	043086		
Number of USTs:	0003		
Number of ASTs:	0000		
Facility ID 2 :	069332		
Facility PO Box :	Not reported		
Owner PO Box :	RT 1 BOX 247		
Region Number :	05		
Facility in Ozone non-attainment area :	Not reported		
Facility ID:	0038187	Tank Installer:	Not reported
Tank ID:	1	Installation Date:	01011974
Tank Emptied:	No	Status Date:	07031997
Capacity:	550	Unit ID:	00100696
Tank Material of Construction:	Steel		
Pipe Material of Construction:	Steel		
Other Materials of Construction:	Not reported		
Tank Status:	Removed from the Ground		
Tank Construction & Containment:	Not reported		
Pipe Construction & Containment:	Not reported		
Other Construction & Containment:	Not reported		
Compartment Substance Stored:	Not reported		
Compartment Other Substance:	Not reported		
Tank Release Detection Method:	Not reported		
Tank Release Method Detection II:	Not reported		
Tank Release Method Detection III:	Not reported		
Other Tank Release Method Detection:	Not reported		
Tank Release Detection Variance :	Not reported		
Pipe Release Detection Method:	Not reported		
Other Pipe Release Detection Method :	Not reported		
Pipe Release Detection Variance :	Not reported		
Spill and Overfill Protection:	Not reported		
Tank Corrosion Protection:	Not reported		
Pipe Corrosion Protection:	Not reported		
Other Corrosion Protection:	None		
Vapor Recovery Equipment Status:	Not reported		
Equipment Installed Date:	Not reported		
Equipment Installer:	Not reported		
Contractor Registration Number:	Not reported		
Tank Registration Date:	05081986		
Installer License Number:	Not reported		
Operator Name:	Not reported		
Operator Telephone number:	Not reported		
Operator Address:			
Operator Address building:	Not reported		
Contact Operator Name:			
Contact Operator title:	Not reported		
Contact Operator Phone:	Not reported		
Self-Certification date:	Not reported		
Signature Name:	Not reported		
Signature Title Name:	Not reported		
Signature Type Text:	Not reported		
Certification Submitted Type:	Not reported		
Registration Self-Certification Flag:	Not reported		
Fees Self-Certification Flag:	Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
DOTS GROCERY (Continued)		U003565423
Financial Assurance Self-Certification flag: Not reported Technical standards Self-Certification flag: Not reported UST Delivery Certificate Expiration Date: Not reported Compartment letter: Not reported Financial Responsibility Type: Not reported Corrective Action Met Flag: Not reported Third Party Met Flag: Not reported Financial Assurance Beginning Date: Not reported Piping Design & Ext. Containment 3 : Not reported Piping Design & Ext. Containment 4 : Not reported Type of Piping : Not reported Internal Tank Lining Date : 00/00/00 Pipe Connectors and Valves 1 : Not reported Pipe Connectors and Valves 2 : Not reported Pipe Connectors and Valves 3 : Not reported Other Tank Corrosion Protection Text: None Tank Corrosion Protection Variance : No Variance Pipe Corrosion Protection 3 : Not reported Pipe Corrosion Protection Variance : No Variance Stage 2 Vapor Recry Equipment Status : Not reported Stage 1 Equipment Installed Date : Not reported Tank Tested : Not reported Compartment Capacity : Not reported Owner ID : 47730 Owner Name : UPTON EARL AND DOROTHY Owner Address : NEW BOSTON, TX 75570 Owner Contact Telephone : 903-628-6971 Owner Type : Private or Corporate Owner Amendment Reason Code : Owner Name Changed Owner Amendment Date : 25/02/01 Owner Tax ID : Not reported Number of Facilities reported by Owner : 0001 Mail Undeliverable : Not reported Bankruptcy In Effect : Not reported # Of Underground Storage Tanks : 0003 # Of Aboveground Storage Tanks : 0000 Operator Effective Date : Not reported Operator Type : Private or Corporate Owner Contact Name: Dorothy Upton Date Registration Form Received : 08/86/05 Facility Type : None of the above, or unidentified Name of Facility Manager : HAMP ATKINSON Title of Facility Manager : PRES. Facility Manager Phone : 2148388545 Sign Name on Registration Form : HAMP ATKINSON Title of Signer of Registration Form : PRES. Date of Signature on Registration Form : 043086 Number of USTs: 0003 Number of ASTs: 0000 Facility ID 2 : 069332 Facility PO Box : Not reported Owner PO Box : RT 1 BOX 247 Region Number : 05 Facility in Ozone non-attainment area : Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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**WAL MART SUPERCENTER NO 181
800 JAMES BOWIE DRIVE
NEW BOSTON, TX 75570**

**RCRA-SQG 1007881422
TXR000061309**

RCRAInfo:
 Owner: WAL MART STORES TEXAS LP
 EPA ID: TXR000061309
 Contact: SHEILA DEARING
 (479) 204-2188
 Classification: Conditionally Exempt Small Quantity Generator
 TSD Activities: Not reported
 Violation Status: No violations found

**WAL-MART SUPERCENTER 181
800 JAMES BOWIE DR
NEW BOSTON, TX 75570**

**UST U003986267
N/A**

UST:
 Facility ID: 0077112
 Tank ID: 1
 Tank Emptied: No
 Capacity: 1000
 Tank Material of Construction: Concrete
 Pipe Material of Construction: Not reported
 Other Materials of Construction: Not reported
 Tank Status: In Use
 Tank Construction & Containment: Single Wall
 Pipe Construction & Containment: Not reported
 Other Construction & Containment: Not reported
 Compartment Substance Stored: Not reported
 Compartment Other Substance: Not reported
 Tank Release Detection Method: Not reported
 Tank Release Method Detection II: Not reported
 Tank Release Method Detection III: Not reported
 Other Tank Release Method Detection: Not reported
 Tank Release Detection Variance : Not reported
 Pipe Release Detection Method: Not reported
 Other Pipe Release Detection Method : Not reported
 Pipe Release Detection Variance : Not reported
 Spill and Overfill Protection: Not reported
 Tank Corrosion Protection: Not reported
 Pipe Corrosion Protection: Not reported
 Other Corrosion Protection: Not reported
 Vapor Recovery Equipment Status: Not reported
 Equipment Installed Date: Not reported
 Equipment Installer: Not reported
 Contractor Registration Number: Not reported
 Tank Registration Date: 12142004
 Installer License Number: Not reported
 Operator Name: Not reported
 Operator Telephone number: Not reported
 Operator Address: Not reported
 Operator Address building: Not reported
 Contact Operator Name: Not reported
 Contact Operator title: Not reported
 Contact Operator Phone: Not reported
 Self-Certification date: Not reported
 Signature Name: Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
WAL-MART SUPERCENTER 181 (Continued)		U003986267
Signature Title Name:	Not reported	
Signature Type Text:	Not reported	
Certification Submitted Type:	Not reported	
Registration Self-Certification Flag:	Not reported	
Fees Self-Certification Flag:	Not reported	
Financial Assurance Self-Certification flag:	Not reported	
Technical standards Self-Certification flag:	Not reported	
UST Delivery Certificate Expiration Date:	Not reported	
Compartment letter:	Not reported	
Financial Responsibility Type:	Not reported	
Corrective Action Met Flag:	Not reported	
Third Party Met Flag:	Not reported	
Financial Assurance Beginning Date:	Not reported	
Piping Design & Ext. Containment 3 :	Not reported	
Piping Design & Ext. Containment 4 :	Not reported	
Type of Piping :	Gravity	
Internal Tank Lining Date :	00/00/00	
Pipe Connectors and Valves 1 :	3	
Pipe Connectors and Valves 2 :	Not reported	
Pipe Connectors and Valves 3 :	Not reported	
Other Tank Corrosion Protection Text:	Not reported	
Tank Corrosion Protection Variance :	No Variance	
Pipe Corrosion Protection 3 :	Not reported	
Pipe Corrosion Protection Variance :	No Variance	
Stage 2 Vapor Recry Equipment Status :	Not reported	
Stage 1 Equipment Installed Date :	Not reported	
Tank Tested :	Not reported	
Compartment Capacity :	Not reported	
Owner ID :	62868	
Owner Name :	WAL-MART STORES TEXAS LP	
Owner Address :	702 SW 8TH ST BENTONVILLE, AR 72716	
Owner Contact Telephone :	479-204-2188	
Owner Type :	Corporation	
Owner Amendment Reason Code :	035	
Owner Amendment Date :	31/05/03	
Owner Tax ID :	Not reported	
Number of Facilities reported by Owner :	0245	
Mail Undeliverable :	Not reported	
Bankruptcy In Effect :	Not reported	
# Of Underground Storage Tanks :	0271	
# Of Aboveground Storage Tanks :	0000	
Operator Effective Date :	Not reported	
Operator Type :	Corporation	
Owner Contact Name:	SHEILA DEARING	
Date Registration Form Received :	14/04/12	
Facility Type :	None of the above, or unidentified	
Name of Facility Manager :	Not reported	
Title of Facility Manager :	Not reported	
Facility Manager Phone :	Not reported	
Sign Name on Registration Form :	SHEILA DEARING	
Title of Signer of Registration Form :	LIC MGR	
Date of Signature on Registration Form :	120604	
Number of USTs:	0001	
Number of ASTs:	0000	
Facility ID 2 :	118399	
Facility PO Box :	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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WAL-MART SUPERCENTER 181 (Continued)		U003986267
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Owner PO Box : Not reported
 Region Number : 05
 Facility in Ozone non-attainment area : Not reported

MURPHY USA 7212 860 JAMES BOWIE DR NEW BOSTON, TX 75570	UST	U003991468 N/A
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UST:

Facility ID:	0077323	Tank Installer:	Not reported
Tank ID:	1	Installation Date:	03162005
Tank Emptied:	No	Status Date:	Not reported
Capacity:	20000	Unit ID:	00204923
Tank Material of Construction:	Fiberglass-Reinforced Plastic (FRP)		
Pipe Material of Construction:	Fiberglass-Reinforced Plastic (FRP)		
Other Materials of Construction:	Not reported		
Tank Status:	In Use		
Tank Construction & Containment:	Double Wall		
Pipe Construction & Containment:	Double Wall		
Other Construction & Containment:	Not reported		
Compartment Substance Stored:	Not reported		
Compartment Other Substance:	Not reported		
Tank Release Detection Method:	Not reported		
Tank Release Method Detection II:	Not reported		
Tank Release Method Detection III:	Not reported		
Other Tank Release Method Detection:	Not reported		
Tank Release Detection Variance :	Not reported		
Pipe Release Detection Method:	Not reported		
Other Pipe Release Detection Method :	Not reported		
Pipe Release Detection Variance :	Not reported		
Spill and Overfill Protection:	Not reported		
Tank Corrosion Protection:	None		
Pipe Corrosion Protection:	Not reported		
Other Corrosion Protection:	Not reported		
Vapor Recovery Equipment Status:	Stage 2 Vapor Recovery Equipment Installed		
Equipment Installed Date:	03252005		
Equipment Installer:	Not reported		
Contractor Registration Number:	Not reported		
Tank Registration Date:	04072005		
Installer License Number:	Not reported		
Operator Name:	Not reported		
Operator Telephone number:	Not reported		
Operator Address:			
Operator Address building:	Not reported		
Contact Operator Name:			
Contact Operator title:	Not reported		
Contact Operator Phone:	Not reported		
Self-Certification date:	Not reported		
Signature Name:	Not reported		
Signature Title Name:	Not reported		
Signature Type Text:	Not reported		
Certification Submitted Type:	Not reported		
Registration Self-Certification Flag:	Not reported		
Fees Self-Certification Flag:	Not reported		
Financial Assurance Self-Certification flag:	Not reported		
Technical standards Self-Certification flag:	Not reported		
UST Delivery Certificate Expiration Date:	Not reported		
Compartment letter:	Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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MURPHY USA 7212 (Continued)		U003991468
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Financial Responsibility Type:	Not reported
Corrective Action Met Flag:	Not reported
Third Party Met Flag:	Not reported
Financial Assurance Beginning Date:	Not reported
Piping Design & Ext. Containment 3 :	Not reported
Piping Design & Ext. Containment 4 :	Not reported
Type of Piping :	Pressurized
Internal Tank Lining Date :	00/00/00
Pipe Connectors and Valves 1 :	3
Pipe Connectors and Valves 2 :	Not reported
Pipe Connectors and Valves 3 :	Not reported
Other Tank Corrosion Protection Text:	UPP
Tank Corrosion Protection Variance :	No Variance
Pipe Corrosion Protection 3 :	Not reported
Pipe Corrosion Protection Variance :	No Variance
Stage 2 Vapor Recry Equipment Status :	Not reported
Stage 1 Equipment Installed Date :	Not reported
Tank Tested :	Not reported
Compartment Capacity :	Not reported
Owner ID :	53479
Owner Name :	MURPHY OIL USA INC
Owner Address :	200 E PEACH ST EL DORADO, AR 71730
Owner Contact Telephone :	870-862-6411
Owner Type :	Corporation
Owner Amendment Reason Code :	035
Owner Amendment Date :	06/04/01
Owner Tax ID :	710727492
Number of Facilities reported by Owner :	0185
Mail Undeliverable :	Not reported
Bankruptcy In Effect :	Not reported
# Of Underground Storage Tanks :	0420
# Of Aboveground Storage Tanks :	0000
Operator Effective Date :	Not reported
Operator Type :	Corporation
Owner Contact Name:	CARLOS GUTIERREZ
Date Registration Form Received :	07/05/04
Facility Type :	Retail
Name of Facility Manager :	Not reported
Title of Facility Manager :	Not reported
Facility Manager Phone :	903-628-8725
Sign Name on Registration Form :	KEVIN ROUSSEL
Title of Signer of Registration Form :	MGR FIELD CONST
Date of Signature on Registration Form :	040505
Number of USTs:	0002
Number of ASTs:	0000
Facility ID 2 :	118796
Facility PO Box :	Not reported
Owner PO Box :	Not reported
Region Number :	05
Facility in Ozone non-attainment area :	Not reported

Facility ID:	0077323	Tank Installer:	Not reported
Tank ID:	2	Installation Date:	03162005
Tank Emptied:	No	Status Date:	Not reported
Capacity:	20000	Unit ID:	00204924
Tank Material of Construction:	Fiberglass-Reinforced Plastic (FRP)		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
MURPHY USA 7212 (Continued)		U003991468
Pipe Material of Construction:	Fiberglass-Reinforced Plastic (FRP)	
Other Materials of Construction:	Not reported	
Tank Status:	In Use	
Tank Construction & Containment:	Double Wall	
Pipe Construction & Containment:	Double Wall	
Other Construction & Containment:	Not reported	
Compartment Substance Stored:	Not reported	
Compartment Other Substance:	Not reported	
Tank Release Detection Method:	Not reported	
Tank Release Method Detection II:	Not reported	
Tank Release Method Detection III:	Not reported	
Other Tank Release Method Detection:	Not reported	
Tank Release Detection Variance :	Not reported	
Pipe Release Detection Method:	Not reported	
Other Pipe Release Detection Method :	Not reported	
Pipe Release Detection Variance :	Not reported	
Spill and Overfill Protection:	Not reported	
Tank Corrosion Protection:	None	
Pipe Corrosion Protection:	Not reported	
Other Corrosion Protection:	Not reported	
Vapor Recovery Equipment Status:	Stage 2 Vapor Recovery Equipment Installed	
Equipment Installed Date:	03252005	
Equipment Installer:	Not reported	
Contractor Registration Number:	Not reported	
Tank Registration Date:	04072005	
Installer License Number:	Not reported	
Operator Name:	Not reported	
Operator Telephone number:	Not reported	
Operator Address:	Not reported	
Operator Address building:	Not reported	
Contact Operator Name:	Not reported	
Contact Operator title:	Not reported	
Contact Operator Phone:	Not reported	
Self-Certification date:	Not reported	
Signature Name:	Not reported	
Signature Title Name:	Not reported	
Signature Type Text:	Not reported	
Certification Submitted Type:	Not reported	
Registration Self-Certification Flag:	Not reported	
Fees Self-Certification Flag:	Not reported	
Financial Assurance Self-Certification flag:	Not reported	
Technical standards Self-Certification flag:	Not reported	
UST Delivery Certificate Expiration Date:	Not reported	
Compartment letter:	Not reported	
Financial Responsibility Type:	Not reported	
Corrective Action Met Flag:	Not reported	
Third Party Met Flag:	Not reported	
Financial Assurance Beginning Date:	Not reported	
Piping Design & Ext. Containment 3 :	Not reported	
Piping Design & Ext. Containment 4 :	Not reported	
Type of Piping :	Pressurized	
Internal Tank Lining Date :	00/00/00	
Pipe Connectors and Valves 1 :	3	
Pipe Connectors and Valves 2 :	Not reported	
Pipe Connectors and Valves 3 :	Not reported	
Other Tank Corrosion Protection Text:	UPP	
Tank Corrosion Protection Variance :	No Variance	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
MURPHY USA 7212 (Continued)		U003991468
Pipe Corrosion Protection 3 :	Not reported	
Pipe Corrosion Protection Variance :	No Variance	
Stage 2 Vapor Recry Equipment Status :	Not reported	
Stage 1 Equipment Installed Date :	Not reported	
Tank Tested :	Not reported	
Compartment Capacity :	Not reported	
Owner ID :	53479	
Owner Name :	MURPHY OIL USA INC	
Owner Address :	200 E PEACH ST EL DORADO, AR 71730	
Owner Contact Telephone :	870-862-6411	
Owner Type :	Corporation	
Owner Amendment Reason Code :	035	
Owner Amendment Date :	06/04/01	
Owner Tax ID :	710727492	
Number of Facilities reported by Owner :	0185	
Mail Undeliverable :	Not reported	
Bankruptcy In Effect :	Not reported	
# Of Underground Storage Tanks :	0420	
# Of Aboveground Storage Tanks :	0000	
Operator Effective Date :	Not reported	
Operator Type :	Corporation	
Owner Contact Name:	CARLOS GUTIERREZ	
Date Registration Form Received :	07/05/04	
Facility Type :	Retail	
Name of Facility Manager :	Not reported	
Title of Facility Manager :	Not reported	
Facility Manager Phone :	903-628-8725	
Sign Name on Registration Form :	KEVIN ROUSSEL	
Title of Signer of Registration Form :	MGR FIELD CONST	
Date of Signature on Registration Form :	040505	
Number of USTs:	0002	
Number of ASTs:	0000	
Facility ID 2 :	118796	
Facility PO Box :	Not reported	
Owner PO Box :	Not reported	
Region Number :	05	
Facility in Ozone non-attainment area :	Not reported	

RED RIVER REDEVELOPMENT AUTH. RED RV ARSENAL, 19000 ACRES S NEW BOSTON, TX 75570	FINDS	1007082236 110015597567
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FINDS:

Other Pertinent Environmental Activity Identified at Site:
PERMIT COMPLIANCE SYSTEM

EXXON MOBIL CORPORATION I-30 & HWY 59 TEXARKANA, TX 75501	RCRA-SQG FINDS	1004785439 TXD988030284
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DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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EXXON MOBIL CORPORATION (Continued)		1004785439
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RCRAInfo:
 Owner: EXXON CO USA
 (713) 656-7761
 EPA ID: TXD988030284
 Contact: ALDA-S POOL
 (713) 656-7709
 Classification: Small Quantity Generator
 TSD Activities: Not reported
 Violation Status: No violations found

FINDS:
 Other Pertinent Environmental Activity Identified at Site:
 RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM

E-Z MART #088 RT 19 BOX 2405 TEXARKANA, AR 75501	LUST	S106857109 N/A
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LUST:
 Notice Number: 46113 Received By: 26830
 Owner: E-Z Mart Stores, Inc.
 Notification:
 Name: David McKamie
 Address: PO Box 1426
 Texarkana, TX 75504
 Telephone: (903) 832-6502
 Facility Address 2: Not reported Facility Tele: Not reported
 LUST Tank Type: Unknown
 LUST Tank Type 2: Unknown
 Release Status : Suspected
 Leak:
 Date: / /
 Cause: unk
 Damage: top portion of tank failed ullage test
 Volume : Not reported
 Discovery: Other (See Comments Tab)
 Priority Score : Not reported
 Funding Source : Not reported
 Cleanup Lead : Not reported
 Cleanup Initiated : Not reported
 ISC date : Not reported
 SAR date : Not reported
 Cap Submit : Not reported
 Public Nitify : Not reported
 Cap Approve : Not reported
 NFA Issued : Not reported
 GIS Location : Not reported
 Facility County : 46
 Notify Date : 11/22/00
 AFIN Number : 4600374
 RST Facility ID : 46000031
 Lust Owner : Not reported
 Tech Branch : Not reported
 Emergency Response : Not reported
 Emergency Response 2 : Not reported
 Substance Stored Gasoline : False

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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E-Z MART #088 (Continued)		S106857109
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Substance Stored JetFuel :	False
Substance Stored Kerosene :	False
Substance Stored Diesel :	False
Substance Stored Used Waste Oil :	False
Substance Stored Petroleum NOS :	False
Substance Stored Unknown :	True
Substance Stored Cercla Subst :	Not reported
Damage Desc Sfc Soils :	False
Damage Desc Sfc Water :	False
Damage Desc Vapor Accum :	False
Damage Desc Utility Impact :	False
Damage Desc SubSfc Soils GW :	False
Damage Desc Drnk Water :	False
Damage Desc Other :	Not reported
Hazard Abatement Evac :	False
Hazard Abatement Prod Rmv.Rcvr :	False
Hazard Abatement Vapor.Abate :	False
Hazard Abatement Expsd.Soils :	False
Hazard Abatement Alt Drnk Water :	False
Hazard Abatement Other :	Not reported
Remedial Action Excv Disp :	False
Remedial Action Excv Trt :	False
Remedial Action In Situ Chem Ox :	False
Remedial Action In Situ Bioremed :	False
Remedial Action Soil Flush :	False
Remedial Action Ntrl Atten :	False
Remedial Action Air Sparging :	False
Remedial Action Soil Vapor Ext :	False
Remedial Action Dual Phase Ext :	False
Remedial Action GW Pump Trt :	False
Remedial Action Other :	Not reported
Memo:	METHOD OF DISCOVERY: test performed on this date tank system taken out of operation. 12/5/01 (James Atchley) Casefile opened with the Technical Branch due to subsequent confirmed release. Corrective action to be pursued/documentated under #46 -126. 8/19/02 (James Atchley) File closed by our No Further Action letter.

JOB 3604
HWY 196 - STA. 111 & 18 LT.
TEXARKANA, AR 75501

UST U003549982
N/A

UST:

Facility ID:	46001619	Tank ID:	1
Owner:	AR STATE HWY & TRANSP DEPT		
Owner Address:	10324 I-30, ROOM 705 LITTLE ROCK, AR 72209		
Owner Phone :	5015692318 PULASKI County		
Contact:	NONE LISTED		
Contact Phone:	9999999999		
Contact Title :	N/L		
Install Date:	3/10/1940 0:00:00		
Cerclis Name:	Not reported		
Above Ground/ Below Ground:	Not reported		
Capacity:	300 Gallons		
Lat/Long:	Not reported		
Temporarily Down:	Not reported		
Permanently Down:	Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
JOB 3604 (Continued)		U003549982	
Permanently Emptied Date:	Not reported		
Permanently Removed Date:	Not reported		
Site Assessment Date:	Not reported		
Site Assessment Leak:	No		
Tank Contents:	Not reported		
Tank Material:	Not reported		
Release Detection:	Not reported		
Release Detection Install Date:	Not reported		
Tank Spill And OverFill Protection:	Not reported		
Tank External Corrosion Protection:	Not reported		
Tank Ext Corrosion Protection Install Date:	Not reported		
Pipe Material:	Not reported		
Pipe Type:	Not reported		
Pipe Release Detection:	Not reported		
Pipe Corrosion Protection:	Not reported		
Pipe Repaired:	Not reported		
Certificate of Compliance:			
Final Test Dt:	Not reported	Test Co Licnc:	Not reported
Tester License:	Not reported	Installation Dt:	Not reported
Install Co Licnc:	Not reported	Installer Licnc:	Not reported
Entry Clerk:	PEEK	Entry Date:	4/11/1994 0:00:00
Update Clerk:	SUMMERS	Update Date:	4/27/1994 0:00:00
Corrosion Protection:	Not reported		
Spill & Overflow:	Not reported		
Release Detection:	Not reported		
Federal Flag:	Not reported		
Gis Location :	Not reported		
Hazardous :	Not reported		
Adeq Facility Id :	4603671		
Adeq Facility Id With Dash :	46-03671		
Owner Id :	001731		
Date Received :	1994-03-20 00:00:00		
Location Sic :	Not reported		
Certified Name :	JOEL CLARK		
Title :	ASST. PROP. MGR		
Date Signed :	3/18/1994		
Amended :	No		
Belowground :	Yes		
No Bill :	Not reported		
Date Reg. Cert. Issued :	Not reported		
Active Site :	Not reported		
Permit Date :	Not reported		
Aboveground In Use :	Not reported		
Underground In Use :	Not reported		
Lust Flag:	Not reported		
Leak Id Number :	Not reported		
Inspection With Pix :	Not reported		
Inspection With Reports :	Not reported		
Comments :	Not reported		
Num Compartments :	1		
Tank Status :	PO		
Tank Status 2 :	3/13/1994 0:00:00		
Facility ID:	46001619	Tank ID:	2
Owner:	AR STATE HWY & TRANSP DEPT		
Owner Address:	10324 I-30, ROOM 705 LITTLE ROCK, AR 72209		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
JOB 3604 (Continued)			U003549982
Owner Phone : 5015692318 PULASKI County			
Contact: NONE LISTED			
Contact Phone: 9999999999			
Contact Title : N/L			
Install Date: 3/10/1940 0:00:00			
Cerclis Name: Not reported			
Above Ground/ Below Ground:	Not reported		
Capacity:	500 Gallons		
Lat/Long:	Not reported		
Temporarily Down:	Not reported		
Permanently Down:	Not reported		
Permanently Emptied Date:	Not reported		
Permanently Removed Date:	Not reported		
Site Assessment Date:	Not reported		
Site Assessment Leak:	No		
Tank Contents:	Not reported		
Tank Material:	Not reported		
Release Detection:	Not reported		
Release Detection Install Date:	Not reported		
Tank Spill And OverFill Protection:	Not reported		
Tank External Corrosion Protection:	Not reported		
Tank Ext Corrosion Protection Install Date:	Not reported		
Pipe Material:	Not reported		
Pipe Type:	Not reported		
Pipe Release Detection:	Not reported		
Pipe Corrosion Protection:	Not reported		
Pipe Repaired:	Not reported		
Certificate of Compliance:			
Final Test Dt: Not reported	Test Co Licnc: Not reported		
Tester License: Not reported	Installation Dt: Not reported		
Install Co Licnc: Not reported	Installer Licnc: Not reported		
Entry Clerk: PEEK	Entry Date: 4/11/1994 0:00:00		
Update Clerk: SUMMERS	Update Date: 4/27/1994 0:00:00		
Corrosion Protection:	Not reported		
Spill & Overflow:	Not reported		
Release Detection:	Not reported		
Federal Flag:	Not reported		
Gis Location :	Not reported		
Hazardous :	Not reported		
Adeq Facility Id :	4603671		
Adeq Facility Id With Dash :	46-03671		
Owner Id :	001731		
Date Received :	1994-03-20 00:00:00		
Location Sic :	Not reported		
Certified Name :	JOEL CLARK		
Title :	ASST. PROP. MGR		
Date Signed :	3/18/1994		
Amended :	No		
Belowground :	Yes		
No Bill :	Not reported		
Date Reg. Cert. Issued :	Not reported		
Active Site :	Not reported		
Permit Date :	Not reported		
Aboveground In Use :	Not reported		
Underground In Use :	Not reported		
Lust Flag:	Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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JOB 3604 (Continued)		U003549982
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Leak Id Number :	Not reported
Inspection With Pix :	Not reported
Inspection With Reports :	Not reported
Comments :	Not reported
Num Compartments :	1
Tank Status :	PO
Tank Status 2 :	3/13/1994 0:00:00

RED LICK ISD FM 2148 7 I-30 TEXARKANA, TX 75501	FTTS INSP	1008188078 N/A
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FTTS Insp:

Region:	06
Inspected Date:	10/23/1986
Insp Number:	19861023R6002 1
Violation occurred:	No
Inspector:	BECKETT, T
Investigation Type:	Section 6 Asbestos SEE Conducted
Facility Function:	User
Investig Reason:	Not reported
Legislation Code:	TSCA

FTTS Insp:

Region:	06
Inspected Date:	10/23/1986
Insp Number:	19861023R6002 1
Violation occurred:	No
Inspector:	BECKETT, T
Investigation Type:	Section 6 Asbestos SEE Conducted
Facility Function:	User
Investig Reason:	Not reported
Legislation Code:	TSCA

NL INDUSTRIES INC TEXARKANA BARITE OP HWY 558 3 MI SW OF TEXARKANA TEXARKANA, TX 75501	CERC-NFRAP	1003874186 TXD045175270
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CERCLIS-NFRAP Classification Data:

Federal Facility:	Not a Federal Facility
Non NPL Code:	NFRAP
NPL Status:	Not on the NPL
Site Description:	DISPOSAL LANDFILL IN PRODUCTION FACILITY FOR DRILLING MUD BIOCIDE ADDITIVE.

CERCLIS-NFRAP Assessment History:

Assessment:	DISCOVERY	Completed:	05/01/1982
Assessment:	PRELIMINARY ASSESSMENT	Completed:	09/01/1982
Assessment:	SITE INSPECTION	Completed:	11/01/1983
Assessment:	ARCHIVE SITE	Completed:	11/01/1983

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
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**RYAN S MOBIL
HWY 59
TEXARKANA, TX 75501**

**LTANKS S105050467
N/A**

LTANKS:

Facility ID: 0067360
 Facility Location: S HWY 59 RT 13 BOX 483
 Reported Date: 12/1/1995
 Entered Date: 7/19/1996
 RPR Coordinator: XYZ
 Region: 05
 Region City ID: TYLER
 LPST Id: 110990
 Responsible Party: RYAN BERLE
 RP Contact: BERLE RYAN
 RP Telephone: 903/838-8330
 RP Address: 5803 EVANS RD
 TEXARKANA, TX 75501
 Priority: NO GW IMPACT, NO APPARENT THREATS OR IMPACTS TO RECEPTORS
 Status: FINAL CONCURRENCE ISSUED, CASE CLOSED

**OTS LANDING
8490 W 7TH ST
TEXARKANA, TX 75501**

**UST U003652985
N/A**

UST:

Facility ID:	0071958	Tank Installer:	Ken Allen
Tank ID:	1	Installation Date:	04281999
Tank Emptied:	No	Status Date:	Not reported
Capacity:	20000	Unit ID:	00190497
Tank Material of Construction:	Composite (steel with FRP laminate)		
Pipe Material of Construction:	Fiberglass-Reinforced Plastic (FRP)		
Other Materials of Construction:	Not reported		
Tank Status:	In Use		
Tank Construction & Containment:	External Jacket System		
Tank Construction & Containment II:	Single Wall		
Pipe Construction & Containment:	Single Wall		
Pipe Construction & Containment II:	External Jacket System		
Other Construction & Containment:	Not reported		
Compartment Substance Stored:	Not reported		
Compartment Other Substance:	Not reported		
Tank Release Detection Method:	Not reported		
Tank Release Method Detection II:	Not reported		
Tank Release Method Detection III:	Not reported		
Other Tank Release Method Detection:	Not reported		
Tank Release Detection Variance :	Not reported		
Pipe Release Detection Method:	Not reported		
Other Pipe Release Detection Method :	Not reported		
Pipe Release Detection Variance :	Not reported		
Spill and Overfill Protection:	Not reported		
Tank Corrosion Protection:	Composite Tank (steel w/FRP laminate)		
Tank Corrosion Protection II:	Cathodic Protection System		
Pipe Corrosion Protection:	Composite Tank (steel w/FRP laminate)		
Pipe Corrosion Protection II:	Cathodic Protection System		
Other Corrosion Protection:	Not reported		
Vapor Recovery Equipment Status:	Stage 2 Vapor Recovery Equipment Installed		
Equipment Installed Date:	04101999		
Equipment Installer:	4 Corners Petroleum Eq		
Contractor Registration Number:	001178		
Tank Registration Date:	05051999		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
OTS LANDING (Continued)		U003652985
Installer License Number:	000885	
Operator Name:	Not reported	
Operator Telephone number:	Not reported	
Operator Address:		
Operator Address building:	Not reported	
Contact Operator Name:		
Contact Operator title:	Not reported	
Contact Operator Phone:	Not reported	
Self-Certification date:	Not reported	
Signature Name:	Not reported	
Signature Title Name:	Not reported	
Signature Type Text:	Not reported	
Certification Submitted Type:	Not reported	
Registration Self-Certification Flag:	Not reported	
Fees Self-Certification Flag:	Not reported	
Financial Assurance Self-Certification flag:	Not reported	
Technical standards Self-Certification flag:	Not reported	
UST Delivery Certificate Expiration Date:	Not reported	
Compartment letter:	Not reported	
Financial Responsibility Type:	Not reported	
Corrective Action Met Flag:	Not reported	
Third Party Met Flag:	Not reported	
Financial Assurance Beginning Date:	Not reported	
Piping Design & Ext. Containment 3 :	Not reported	
Piping Design & Ext. Containment 4 :	Not reported	
Type of Piping :	Suction	
Internal Tank Lining Date :	00/00/00	
Pipe Connectors and Valves 1 :	3	
Pipe Connectors and Valves 2 :	1	
Pipe Connectors and Valves 3 :	Not reported	
Other Tank Corrosion Protection Text:	Not reported	
Tank Corrosion Protection Variance :	No Variance	
Pipe Corrosion Protection 3 :	Not reported	
Pipe Corrosion Protection Variance :	No Variance	
Stage 2 Vapor Recry Equipment Status :	Not reported	
Stage 1 Equipment Installed Date :	Not reported	
Tank Tested :	Not reported	
Compartment Capacity :	Not reported	
Owner ID :	53828	
Owner Name :	OTS LANDING	
Owner Address :	8490 W 7TH ST TEXARKANA, TX 75501	
Owner Contact Telephone :	903-223-9773	
Owner Type :	Corporation	
Owner Amendment Reason Code :	Owner Name Changed	
Owner Amendment Date :	04/02/10	
Owner Tax ID :	752791137	
Number of Facilities reported by Owner :	0001	
Mail Undeliverable :	Not reported	
Bankruptcy In Effect :	Not reported	
# Of Underground Storage Tanks :	0002	
# Of Aboveground Storage Tanks :	0000	
Operator Effective Date :	Not reported	
Operator Type :	Corporation	
Owner Contact Name:	Mark ORear & Chris Tedder	
Date Registration Form Received :	05/99/05	
Facility Type :	Retail	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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OTS LANDING (Continued)

U003652985

Name of Facility Manager : TEDDER
 Title of Facility Manager : Not reported
 Facility Manager Phone : 903-223-9773
 Sign Name on Registration Form : Chris Tedder
 Title of Signer of Registration Form : Not reported
 Date of Signature on Registration Form : 042999
 Number of USTs: 0002
 Number of ASTs: 0000
 Facility ID 2 : 109487
 Facility PO Box : Not reported
 Owner PO Box : Not reported
 Region Number : 05
 Facility in Ozone non-attainment area : Not reported

Facility ID:	0071958	Tank Installer:	Ken Allen
Tank ID:	2	Installation Date:	04281999
Tank Emptied:	No	Status Date:	Not reported
Capacity:	6000	Unit ID:	00190498
Tank Material of Construction:	Composite (steel with FRP laminate)		
Pipe Material of Construction:	Fiberglass-Reinforced Plastic (FRP)		
Other Materials of Construction:	Not reported		
Tank Status:	In Use		
Tank Construction & Containment:	External Jacket System		
Tank Construction & Containment II:	Single Wall		
Pipe Construction & Containment:	External Jacket System		
Pipe Construction & Containment II:	Single Wall		
Other Construction & Containment:	Not reported		
Compartment Substance Stored:	Not reported		
Compartment Other Substance:	Not reported		
Tank Release Detection Method:	Not reported		
Tank Release Method Detection II:	Not reported		
Tank Release Method Detection III:	Not reported		
Other Tank Release Method Detection:	Not reported		
Tank Release Detection Variance :	Not reported		
Pipe Release Detection Method:	Not reported		
Other Pipe Release Detection Method :	Not reported		
Pipe Release Detection Variance :	Not reported		
Spill and Overfill Protection:	Not reported		
Tank Corrosion Protection:	Composite Tank (steel w/FRP laminate)		
Tank Corrosion Protection II:	Cathodic Protection System		
Pipe Corrosion Protection:	Composite Tank (steel w/FRP laminate)		
Pipe Corrosion Protection II:	Cathodic Protection System		
Other Corrosion Protection:	Not reported		
Vapor Recovery Equipment Status:	Stage 2 Vapor Recovery Equipment Installed		
Equipment Installed Date:	04101999		
Equipment Installer:	4 Corners Petroleum Eq		
Contractor Registration Number:	001178		
Tank Registration Date:	05051999		
Installer License Number:	000885		
Operator Name:	Not reported		
Operator Telephone number:	Not reported		
Operator Address:	Not reported		
Operator Address building:	Not reported		
Contact Operator Name:	Not reported		
Contact Operator title:	Not reported		
Contact Operator Phone:	Not reported		
Self-Certification date:	Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
OTS LANDING (Continued)		U003652985
Signature Name:	Not reported	
Signature Title Name:	Not reported	
Signature Type Text:	Not reported	
Certification Submitted Type:	Not reported	
Registration Self-Certification Flag:	Not reported	
Fees Self-Certification Flag:	Not reported	
Financial Assurance Self-Certification flag:	Not reported	
Technical standards Self-Certification flag:	Not reported	
UST Delivery Certificate Expiration Date:	Not reported	
Compartment letter:	Not reported	
Financial Responsibility Type:	Not reported	
Corrective Action Met Flag:	Not reported	
Third Party Met Flag:	Not reported	
Financial Assurance Beginning Date:	Not reported	
Piping Design & Ext. Containment 3 :	Not reported	
Piping Design & Ext. Containment 4 :	Not reported	
Type of Piping :	Suction	
Internal Tank Lining Date :	00/00/00	
Pipe Connectors and Valves 1 :	3	
Pipe Connectors and Valves 2 :	1	
Pipe Connectors and Valves 3 :	Not reported	
Other Tank Corrosion Protection Text:	Not reported	
Tank Corrosion Protection Variance :	No Variance	
Pipe Corrosion Protection 3 :	Not reported	
Pipe Corrosion Protection Variance :	No Variance	
Stage 2 Vapor Recry Equipment Status :	Not reported	
Stage 1 Equipment Installed Date :	Not reported	
Tank Tested :	Not reported	
Compartment Capacity :	Not reported	
Owner ID :	53828	
Owner Name :	OTS LANDING	
Owner Address :	8490 W 7TH ST TEXARKANA, TX 75501	
Owner Contact Telephone :	903-223-9773	
Owner Type :	Corporation	
Owner Amendment Reason Code :	Owner Name Changed	
Owner Amendment Date :	04/02/10	
Owner Tax ID :	752791137	
Number of Facilities reported by Owner :	0001	
Mail Undeliverable :	Not reported	
Bankruptcy In Effect :	Not reported	
# Of Underground Storage Tanks :	0002	
# Of Aboveground Storage Tanks :	0000	
Operator Effective Date :	Not reported	
Operator Type :	Corporation	
Owner Contact Name:	Mark ORear & Chris Tedder	
Date Registration Form Received :	05/99/05	
Facility Type :	Retail	
Name of Facility Manager :	TEDDER	
Title of Facility Manager :	Not reported	
Facility Manager Phone :	903-223-9773	
Sign Name on Registration Form :	Chris Tedder	
Title of Signer of Registration Form :	Not reported	
Date of Signature on Registration Form :	042999	
Number of USTs:	0002	
Number of ASTs:	0000	
Facility ID 2 :	109487	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
OTS LANDING (Continued)		U003652985
Facility PO Box :	Not reported	
Owner PO Box :	Not reported	
Region Number :	05	
Facility in Ozone non-attainment area :	Not reported	

RED RIVER ARMY DEPOT HWY 82 W TEXARKANA, TX 75501	AST	U003420268 N/A
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AST:

Facility ID:	0021468	Owner ID:	10228
Tank ID:	383		
Number of USTs:	0027	Number of ASTs:	0022
Facility Type:	Fleet refueling		
Facility ID 2 :	058196		
Facility PO Box :	Not reported		
Owner PO Box :	Not reported		
Date Registration Form Received :	04/86/04		
Facility in Ozone non-attainment area :	Not reported		
Name of Facility Manager :	RON WILLIAMS		
Title of Facility Manager :	Not reported		
Facility Manager Phone :	9033344103		
Sign Name on Registration Form :	C.R. WILCOX		
Title of Signer of Registration Form :	FACIL. ENGR.		
Date of Signature on Registration Form :	040186		
Capacity:	0012000	Tank Status:	In Use
Unit ID:	00152451		
Owner Contact:	Mark Crawford	Contact phone:	903-334-4103
Content:	Gasoline	Other content:	Not reported
Containment:	Concrete	Other Contain.:	Not reported
Material:	Steel	Other material:	Not reported
Owner:	US DEPARTMENT OF THE ARMY		
Date Installed:	01/01/19		
Owner Address:	US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000		
Date out of use:	Not reported		
Tank registration date:	00000000		
Vapor recovery equipment status:	Not reported		
Stage 2 Vapor recvry equipmnt status:	Not reported		
State 2 equipment installed Date:	Not reported		
State 2 equipment installed:	Not reported		
Owner Name:	Not reported		
Operator Phone	Not reported		
Owner Address:			
Owner Type:	Federal Government		
Operator Type:	Not reported		
Contact Operator:		Cont Oper Tele:	Not reported
Mail Undelivrble :	Not reported		
Bankruptcy In Effect	Not reported		
# Of Facilities Reported By Owner	0001		
Number Of USTs :	0027	Number Of ASTs :	0022
Owner Amendment Reason :	owner name changed		
Owner Amendment Date :	010303		
Owner Tax Id :	Not reported		
Financial Respsnblty	Not reported	Corrtv Action Met:	Not reported
Financial Assurance Begin:	Not reported		
Third Party Met:	Not reported	Self-Cert Date:	Not reported
Signature Name:			

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
RED RIVER ARMY DEPOT (Continued)		U003420268
Signature Type: Not reported		
Cert Submit Type: Not reported	Registrn Self-cert: Not reported	
Fees Self-Cert Flag: Not reported		
Financial Assurance Self-Cert: Not reported		
Compartment Letter: Not reported		
UST Delivery Cert Expire Date:		
Region Number : 05		
Facility ID: 0021468	Owner ID: 10228	
Tank ID: 524B		
Number of USTs: 0027	Number of ASTs: 0022	
Facility Type: Fleet refueling		
Facility ID 2 : 058196		
Facility PO Box : Not reported		
Owner PO Box : Not reported		
Date Registration Form Received : 04/86/04		
Facility in Ozone non-attainment area : Not reported		
Name of Facility Manager : RON WILLIAMS		
Title of Facility Manager : Not reported		
Facility Manager Phone : 9033344103		
Sign Name on Registration Form : C.R. WILCOX		
Title of Signer of Registration Form : FACIL. ENGR.		
Date of Signature on Registration Form : 040186		
Capacity: 0020000	Tank Status: In Use	
Unit ID: 00152452		
Owner Contact: Mark Crawford	Contact phone: 903-334-4103	
Content: Diesel	Other content: Not reported	
Containment: Earthen dike	Other Contain.: Not reported	
Material: Steel	Other material: Not reported	
Owner: US DEPARTMENT OF THE ARMY		
Date Installed: 01/01/19		
Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000		
Date out of use: Not reported		
Tank registration date: 00000000		
Vapor recovery equipment status: Not reported		
Stage 2 Vapor recvry equipmnt status: Not reported		
State 2 equipment installed Date: Not reported		
State 2 equipment installed: Not reported		
Owner Name: Not reported		
Operator Phone: Not reported		
Owner Address:		
Owner Type: Federal Government		
Operator Type: Not reported		
Contact Operator:	Cont Oper Tele: Not reported	
Mail Undelivrlble : Not reported		
Bankruptcy In Effect: Not reported		
# Of Facilities Reported By Owner: 0001		
Number Of USTs : 0027	Number Of ASTs : 0022	
Owner Amendment Reason : owner name changed		
Owner Amendment Date : 010303		
Owner Tax Id : Not reported		
Financial Respsnblty: Not reported	Corrtv Action Met: Not reported	
Financial Assurance Begin: Not reported		
Third Party Met: Not reported	Self-Cert Date: Not reported	
Signature Name:		
Signature Type: Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
RED RIVER ARMY DEPOT (Continued)		U003420268
Cert Submit Type: Not reported	Registrn Self-cert: Not reported	
Fees Self-Cert Flag: Not reported		
Financial Assurance Self-Cert: Not reported		
Compartment Letter: Not reported		
UST Delivery Cert Expire Date:		
Region Number : 05		
Facility ID: 0021468	Owner ID: 10228	
Tank ID: 503		
Number of USTs: 0027	Number of ASTs: 0022	
Facility Type: Fleet refueling		
Facility ID 2 : 058196		
Facility PO Box : Not reported		
Owner PO Box : Not reported		
Date Registration Form Received : 04/86/04		
Facility in Ozone non-attainment area : Not reported		
Name of Facility Manager : RON WILLIAMS		
Title of Facility Manager : Not reported		
Facility Manager Phone : 9033344103		
Sign Name on Registration Form : C.R. WILCOX		
Title of Signer of Registration Form : FACIL. ENGR.		
Date of Signature on Registration Form : 040186		
Capacity: 0010927	Tank Status: Temporarily Out of Use	
Unit ID: 00152453		
Owner Contact: Mark Crawford	Contact phone: 903-334-4103	
Content: Diesel	Other content: Not reported	
Containment: Earthen dike	Other Contain.: Not reported	
Material: Steel	Other material: Not reported	
Owner: US DEPARTMENT OF THE ARMY		
Date Installed: 01/01/19		
Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000		
Date out of use: 02122003		
Tank registration date: 04041986		
Vapor recovery equipment status: Not reported		
Stage 2 Vapor recvry equipmnt status: Not reported		
State 2 equipment installed Date: Not reported		
State 2 equipment installed: Not reported		
Owner Name: Not reported		
Operator Phone: Not reported		
Owner Address:		
Owner Type: Federal Government		
Operator Type: Not reported		
Contact Operator:	Cont Oper Tele: Not reported	
Mail Undelivble : Not reported		
Bankruptcy In Effect: Not reported		
# Of Facilities Reported By Owner: 0001		
Number Of USTs : 0027	Number Of ASTs :0022	
Owner Amendment Reason : owner name changed		
Owner Amendment Date : 010303		
Owner Tax Id : Not reported		
Financial Respsnbty: Not reported	Corrtv Action Met: Not reported	
Financial Assurance Begin: Not reported		
Third Party Met: Not reported	Self-Cert Date: Not reported	
Signature Name:		
Signature Type: Not reported		
Cert Submit Type: Not reported	Registrn Self-cert: Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
RED RIVER ARMY DEPOT (Continued)		U003420268
Fees Self-Cert Flag:	Not reported	
Financial Assurance Self-Cert:	Not reported	
Compartment Letter:	Not reported	
UST Delivery Cert Expire Date:		
Region Number :	05	
Facility ID:	0021468	Owner ID: 10228
Tank ID:	384	
Number of USTs:	0027	Number of ASTs: 0022
Facility Type:	Fleet refueling	
Facility ID 2 :	058196	
Facility PO Box :	Not reported	
Owner PO Box :	Not reported	
Date Registration Form Received :	04/86/04	
Facility in Ozone non-attainment area :	Not reported	
Name of Facility Manager :	RON WILLIAMS	
Title of Facility Manager :	Not reported	
Facility Manager Phone :	9033344103	
Sign Name on Registration Form :	C.R. WILCOX	
Title of Signer of Registration Form :	FACIL. ENGR.	
Date of Signature on Registration Form :	040186	
Capacity:	0017500	Tank Status: In Use
Unit ID:	00152454	
Owner Contact:	Mark Crawford	Contact phone: 903-334-4103
Content:	Gasoline	Other content: Not reported
Containment:	Earthen dike	Other Contain.: Not reported
Material:	Steel	Other material: Not reported
Owner:	US DEPARTMENT OF THE ARMY	
Date Installed:	01/01/19	
Owner Address:	US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000	
Date out of use:	Not reported	
Tank registration date:	00000000	
Vapor recovery equipment status:	Not reported	
Stage 2 Vapor recovery equipment status:	Not reported	
State 2 equipment installed Date:	Not reported	
State 2 equipment installed:	Not reported	
Owner Name:	Not reported	
Operator Phone	Not reported	
Owner Address:		
Owner Type:	Federal Government	
Operator Type:	Not reported	
Contact Operator:		Cont Oper Tele: Not reported
Mail Undeliverable :	Not reported	
Bankruptcy In Effect	Not reported	
# Of Facilities Reported By Owner	0001	
Number Of USTs :	0027	Number Of ASTs :0022
Owner Amendment Reason :	owner name changed	
Owner Amendment Date :	010303	
Owner Tax Id :	Not reported	
Financial Responsibility	Not reported	Corrective Action Met: Not reported
Financial Assurance Begin:	Not reported	
Third Party Met:	Not reported	Self-Cert Date: Not reported
Signature Name:		
Signature Type:	Not reported	
Cert Submit Type:	Not reported	Registration Self-cert: Not reported
Fees Self-Cert Flag:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
RED RIVER ARMY DEPOT (Continued)		U003420268	
Financial Assurance Self-Cert:	Not reported		
Compartment Letter:	Not reported		
UST Delivery Cert Expire Date:			
Region Number :	05		
Facility ID:	0021468	Owner ID:	10228
Tank ID:	390		
Number of USTs:	0027	Number of ASTs:	0022
Facility Type:	Fleet refueling		
Facility ID 2 :	058196		
Facility PO Box :	Not reported		
Owner PO Box :	Not reported		
Date Registration Form Received :	04/86/04		
Facility in Ozone non-attainment area :	Not reported		
Name of Facility Manager :	RON WILLIAMS		
Title of Facility Manager :	Not reported		
Facility Manager Phone :	9033344103		
Sign Name on Registration Form :	C.R. WILCOX		
Title of Signer of Registration Form :	FACIL. ENGR.		
Date of Signature on Registration Form :	040186		
Capacity:	0009950	Tank Status:	In Use
Unit ID:	00152455		
Owner Contact:	Mark Crawford	Contact phone:	903-334-4103
Content:	Gasoline	Other content:	Not reported
Containment:	Concrete	Other Contain.:	Not reported
Material:	Steel	Other material:	Not reported
Owner:	US DEPARTMENT OF THE ARMY		
Date Installed:	01/01/19		
Owner Address:	US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000		
Date out of use:	Not reported		
Tank registration date:	00000000		
Vapor recovery equipment status:	Not reported		
Stage 2 Vapor recvry equipmnt status:	Not reported		
State 2 equipment installed Date:	Not reported		
State 2 equipment installed:	Not reported		
Owner Name:	Not reported		
Operator Phone	Not reported		
Owner Address:			
Owner Type:	Federal Government		
Operator Type:	Not reported		
Contact Operator:		Cont Oper Tele:	Not reported
Mail Undelivrlble :	Not reported		
Bankruptcy In Effect	Not reported		
# Of Facilities Reported By Owner	0001		
Number Of USTs :	0027	Number Of ASTs :	0022
Owner Amendment Reason :	owner name changed		
Owner Amendment Date :	010303		
Owner Tax Id :	Not reported		
Financial Respsnblty	Not reported	Corrtv Action Met:	Not reported
Financial Assurance Begin:	Not reported		
Third Party Met:	Not reported	Self-Cert Date:	Not reported
Signature Name:			
Signature Type:	Not reported		
Cert Submit Type:	Not reported	Registrn Self-cert:	Not reported
Fees Self-Cert Flag:	Not reported		
Financial Assurance Self-Cert:	Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
RED RIVER ARMY DEPOT (Continued)		U003420268
Compartment Letter:	Not reported	
UST Delivery Cert Expire Date:		
Region Number :	05	
Facility ID:	0021468	Owner ID: 10228
Tank ID:	381	
Number of USTs:	0027	Number of ASTs: 0022
Facility Type:	Fleet refueling	
Facility ID 2 :	058196	
Facility PO Box :	Not reported	
Owner PO Box :	Not reported	
Date Registration Form Received :	04/86/04	
Facility in Ozone non-attainment area :	Not reported	
Name of Facility Manager :	RON WILLIAMS	
Title of Facility Manager :	Not reported	
Facility Manager Phone :	9033344103	
Sign Name on Registration Form :	C.R. WILCOX	
Title of Signer of Registration Form :	FACIL. ENGR.	
Date of Signature on Registration Form :	040186	
Capacity:	0012000	Tank Status: In Use
Unit ID:	00152456	
Owner Contact:	Mark Crawford	Contact phone: 903-334-4103
Content:	Gasoline	Other content: Not reported
Containment:	Concrete	Other Contain.: Not reported
Material:	Steel	Other material: Not reported
Owner:	US DEPARTMENT OF THE ARMY	
Date Installed:	01/01/19	
Owner Address:	US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000	
Date out of use:	Not reported	
Tank registration date:	00000000	
Vapor recovery equipment status:	Not reported	
Stage 2 Vapor recvry equipmnt status:	Not reported	
State 2 equipment installed Date:	Not reported	
State 2 equipment installed:	Not reported	
Owner Name:	Not reported	
Operator Phone	Not reported	
Owner Address:		
Owner Type:	Federal Government	
Operator Type:	Not reported	
Contact Operator:		Cont Oper Tele: Not reported
Mail Undelivble :	Not reported	
Bankruptcy In Effect	Not reported	
# Of Facilities Reported By Owner	0001	
Number Of USTs :	0027	Number Of ASTs :0022
Owner Amendment Reason :	owner name changed	
Owner Amendment Date :	010303	
Owner Tax Id :	Not reported	
Financial Respsnbty	Not reported	Corrtv Action Met: Not reported
Financial Assurance Begin:	Not reported	
Third Party Met:	Not reported	Self-Cert Date: Not reported
Signature Name:		
Signature Type:	Not reported	
Cert Submit Type:	Not reported	Registrn Self-cert: Not reported
Fees Self-Cert Flag:	Not reported	
Financial Assrurance Self-Cert:	Not reported	
Compartment Letter:	Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
RED RIVER ARMY DEPOT (Continued)		U003420268
UST Delivery Cert Expire Date: Region Number : 05		
Facility ID: 0021468 Tank ID: 283 Number of USTs: 0027 Facility Type: Fleet refueling Facility ID 2 : 058196 Facility PO Box : Not reported Owner PO Box : Not reported Date Registration Form Received : 04/86/04 Facility in Ozone non-attainment area : Not reported Name of Facility Manager : RON WILLIAMS Title of Facility Manager : Not reported Facility Manager Phone : 9033344103 Sign Name on Registration Form : C.R. WILCOX Title of Signer of Registration Form : FACIL. ENGR. Date of Signature on Registration Form : 040186	Owner ID: 10228 Number of ASTs: 0022	
Capacity: 0005000 Unit ID: 00152457 Owner Contact: Mark Crawford Content: Gasoline Containment: Earthen dike Material: Steel Owner: US DEPARTMENT OF THE ARMY Date Installed: 01/01/19 Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000	Tank Status: Temporarily Out of Use Contact phone: 903-334-4103 Other content: Not reported Other Contain.: Not reported Other material: Not reported	
Date out of use: 02122003 Tank registration date: 04041986 Vapor recovery equipment status: Not reported Stage 2 Vapor recvry equipmnt status: Not reported State 2 equipment installed Date: Not reported State 2 equipment installed: Not reported Owner Name: Not reported Operator Phone: Not reported Owner Address: Owner Type: Federal Government Operator Type: Not reported Contact Operator: Mail Undelivrlble : Not reported Bankruptcy In Effect :Not reported # Of Facilities Reported By Owner:0001 Number Of USTs : 0027 Owner Amendment Reason : owner name changed Owner Amendment Date : 010303 Owner Tax Id : Not reported Financial Respsnbly:Not reported Financial Assurance Begin: Not reported Third Party Met: Not reported Signature Name: Signature Type: Not reported Cert Submit Type: Not reported Fees Self-Cert Flag: Not reported Financial Assurance Self-Cert: Not reported Compartment Letter: Not reported UST Delivery Cert Expire Date:	Cont Oper Tele: Not reported Number Of ASTs :0022 Corrtv Action Met: Not reported Self-Cert Date: Not reported Registrn Self-cert: Not reported	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
RED RIVER ARMY DEPOT (Continued)		U003420268
Region Number : 05		
Facility ID: 0021468	Owner ID: 10228	
Tank ID: 385		
Number of USTs: 0027	Number of ASTs: 0022	
Facility Type: Fleet refueling		
Facility ID 2 : 058196		
Facility PO Box : Not reported		
Owner PO Box : Not reported		
Date Registration Form Received : 04/86/04		
Facility in Ozone non-attainment area : Not reported		
Name of Facility Manager : RON WILLIAMS		
Title of Facility Manager : Not reported		
Facility Manager Phone : 9033344103		
Sign Name on Registration Form : C.R. WILCOX		
Title of Signer of Registration Form : FACIL. ENGR.		
Date of Signature on Registration Form : 040186		
Capacity: 0012000	Tank Status: In Use	
Unit ID: 00152458		
Owner Contact: Mark Crawford	Contact phone: 903-334-4103	
Content: Diesel	Other content: Not reported	
Containment: Concrete	Other Contain.: Not reported	
Material: Steel	Other material: Not reported	
Owner: US DEPARTMENT OF THE ARMY		
Date Installed: 01/01/19		
Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000		
Date out of use: Not reported		
Tank registration date: 00000000		
Vapor recovery equipment status: Not reported		
Stage 2 Vapor recvry equipmnt status: Not reported		
State 2 equipment installed Date: Not reported		
State 2 equipment installed: Not reported		
Owner Name: Not reported		
Operator Phone: Not reported		
Owner Address:		
Owner Type: Federal Government		
Operator Type: Not reported		
Contact Operator:	Cont Oper Tele: Not reported	
Mail Undelivrlble : Not reported		
Bankruptcy In Effect: Not reported		
# Of Facilities Reported By Owner: 0001		
Number Of USTs : 0027	Number Of ASTs :0022	
Owner Amendment Reason : owner name changed		
Owner Amendment Date : 010303		
Owner Tax Id : Not reported		
Financial Respsnblty: Not reported	Corrtv Action Met: Not reported	
Financial Assurance Begin: Not reported		
Third Party Met: Not reported	Self-Cert Date: Not reported	
Signature Name:		
Signature Type: Not reported		
Cert Submit Type: Not reported	Registrn Self-cert: Not reported	
Fees Self-Cert Flag: Not reported		
Financial Assrurance Self-Cert: Not reported		
Compartment Letter: Not reported		
UST Delivery Cert Expire Date:		
Region Number : 05		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
RED RIVER ARMY DEPOT (Continued)			U003420268
Facility ID: 0021468	Owner ID: 10228		
Tank ID: 386			
Number of USTs: 0027	Number of ASTs: 0022		
Facility Type: Fleet refueling			
Facility ID 2 : 058196			
Facility PO Box : Not reported			
Owner PO Box : Not reported			
Date Registration Form Received : 04/86/04			
Facility in Ozone non-attainment area : Not reported			
Name of Facility Manager : RON WILLIAMS			
Title of Facility Manager : Not reported			
Facility Manager Phone : 9033344103			
Sign Name on Registration Form : C.R. WILCOX			
Title of Signer of Registration Form : FACIL. ENGR.			
Date of Signature on Registration Form : 040186			
Capacity: 0017500	Tank Status: In Use		
Unit ID: 00152459			
Owner Contact: Mark Crawford	Contact phone: 903-334-4103		
Content: Gasoline	Other content: Not reported		
Containment: Earthen dike	Other Contain.: Not reported		
Material: Steel	Other material: Not reported		
Owner: US DEPARTMENT OF THE ARMY			
Date Installed: 01/01/19			
Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000			
Date out of use: Not reported			
Tank registration date: 00000000			
Vapor recovery equipment status: Not reported			
Stage 2 Vapor recvry equipmnt status: Not reported			
State 2 equipment installed Date: Not reported			
State 2 equipment installed: Not reported			
Owner Name: Not reported			
Operator Phone: Not reported			
Owner Address: Not reported			
Owner Type: Federal Government			
Operator Type: Not reported			
Contact Operator: Not reported	Cont Oper Tele: Not reported		
Mail Undelivble : Not reported			
Bankruptcy In Effect: Not reported			
# Of Facilities Reported By Owner: 0001			
Number Of USTs : 0027	Number Of ASTs :0022		
Owner Amendment Reason : owner name changed			
Owner Amendment Date : 010303			
Owner Tax Id : Not reported			
Financial Respsnbty: Not reported	Corrtv Action Met: Not reported		
Financial Assurance Begin: Not reported			
Third Party Met: Not reported	Self-Cert Date: Not reported		
Signature Name: Not reported			
Signature Type: Not reported			
Cert Submit Type: Not reported	Registrn Self-cert: Not reported		
Fees Self-Cert Flag: Not reported			
Financial Assurance Self-Cert: Not reported			
Compartment Letter: Not reported			
UST Delivery Cert Expire Date: Not reported			
Region Number : 05			

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
RED RIVER ARMY DEPOT (Continued)		U003420268	
Facility ID: 0021468	Owner ID: 10228		
Tank ID: 524C			
Number of USTs: 0027	Number of ASTs: 0022		
Facility Type: Fleet refueling			
Facility ID 2 : 058196			
Facility PO Box : Not reported			
Owner PO Box : Not reported			
Date Registration Form Received : 04/86/04			
Facility in Ozone non-attainment area : Not reported			
Name of Facility Manager : RON WILLIAMS			
Title of Facility Manager : Not reported			
Facility Manager Phone : 9033344103			
Sign Name on Registration Form : C.R. WILCOX			
Title of Signer of Registration Form : FACIL. ENGR.			
Date of Signature on Registration Form : 040186			
Capacity: 0005000	Tank Status: In Use		
Unit ID: 00152460			
Owner Contact: Mark Crawford	Contact phone: 903-334-4103		
Content: Diesel	Other content: Not reported		
Containment: Earthen dike	Other Contain.: Not reported		
Material: Steel	Other material: Not reported		
Owner: US DEPARTMENT OF THE ARMY			
Date Installed: 01/01/19			
Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000			
Date out of use: Not reported			
Tank registration date: 00000000			
Vapor recovery equipment status: Not reported			
Stage 2 Vapor recvry equipmnt status: Not reported			
State 2 equipment installed Date: Not reported			
State 2 equipment installed: Not reported			
Owner Name: Not reported			
Operator Phone: Not reported			
Owner Address: Not reported			
Owner Type: Federal Government			
Operator Type: Not reported			
Contact Operator: Not reported	Cont Oper Tele: Not reported		
Mail Undelivble : Not reported			
Bankruptcy In Effect: Not reported			
# Of Facilities Reported By Owner: 0001			
Number Of USTs : 0027	Number Of ASTs :0022		
Owner Amendment Reason : owner name changed			
Owner Amendment Date : 010303			
Owner Tax Id : Not reported			
Financial Respsnbly: Not reported	Corrtv Action Met: Not reported		
Financial Assurance Begin: Not reported			
Third Party Met: Not reported	Self-Cert Date: Not reported		
Signature Name: Not reported			
Signature Type: Not reported			
Cert Submit Type: Not reported	Registrn Self-cert: Not reported		
Fees Self-Cert Flag: Not reported			
Financial Assurance Self-Cert: Not reported			
Compartment Letter: Not reported			
UST Delivery Cert Expire Date: Not reported			
Region Number : 05			

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
RED RIVER ARMY DEPOT (Continued)			U003420268
Facility ID: 0021468	Owner ID: 10228		
Tank ID: 382			
Number of USTs: 0027	Number of ASTs: 0022		
Facility Type: Fleet refueling			
Facility ID 2 : 058196			
Facility PO Box : Not reported			
Owner PO Box : Not reported			
Date Registration Form Received : 04/86/04			
Facility in Ozone non-attainment area : Not reported			
Name of Facility Manager : RON WILLIAMS			
Title of Facility Manager : Not reported			
Facility Manager Phone : 9033344103			
Sign Name on Registration Form : C.R. WILCOX			
Title of Signer of Registration Form : FACIL. ENGR.			
Date of Signature on Registration Form : 040186			
Capacity: 0017500	Tank Status: In Use		
Unit ID: 00152461			
Owner Contact: Mark Crawford	Contact phone: 903-334-4103		
Content: Gasoline	Other content: Not reported		
Containment: Earthen dike	Other Contain.: Not reported		
Material: Steel	Other material: Not reported		
Owner: US DEPARTMENT OF THE ARMY			
Date Installed: 01/01/19			
Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000			
Date out of use: Not reported			
Tank registration date: 00000000			
Vapor recovery equipment status: Not reported			
Stage 2 Vapor recvry equipmnt status: Not reported			
State 2 equipment installed Date: Not reported			
State 2 equipment installed: Not reported			
Owner Name: Not reported			
Operator Phone: Not reported			
Owner Address: Not reported			
Owner Type: Federal Government			
Operator Type: Not reported			
Contact Operator: Not reported	Cont Oper Tele: Not reported		
Mail Undelivble : Not reported			
Bankruptcy In Effect: Not reported			
# Of Facilities Reported By Owner: 0001			
Number Of USTs : 0027	Number Of ASTs :0022		
Owner Amendment Reason : owner name changed			
Owner Amendment Date : 010303			
Owner Tax Id : Not reported			
Financial Respsnbly: Not reported	Corrtv Action Met: Not reported		
Financial Assurance Begin: Not reported			
Third Party Met: Not reported	Self-Cert Date: Not reported		
Signature Name: Not reported			
Signature Type: Not reported			
Cert Submit Type: Not reported	Registrn Self-cert: Not reported		
Fees Self-Cert Flag: Not reported			
Financial Assurance Self-Cert: Not reported			
Compartment Letter: Not reported			
UST Delivery Cert Expire Date: Not reported			
Region Number : 05			

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
RED RIVER ARMY DEPOT (Continued)			U003420268
Facility ID: 0021468 Tank ID: 524F Number of USTs: 0027 Facility Type: Fleet refueling Facility ID 2 : 058196 Facility PO Box : Not reported Owner PO Box : Not reported Date Registration Form Received : 04/86/04 Facility in Ozone non-attainment area : Not reported Name of Facility Manager : RON WILLIAMS Title of Facility Manager : Not reported Facility Manager Phone : 9033344103 Sign Name on Registration Form : C.R. WILCOX Title of Signer of Registration Form : FACIL. ENGR. Date of Signature on Registration Form : 040186 Capacity: 0010000 Unit ID: 00152462 Owner Contact: Mark Crawford Content: Gasoline Containment: Earthen dike Material: Steel Owner: US DEPARTMENT OF THE ARMY Date Installed: 01/01/19 Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000 Date out of use: Not reported Tank registration date: 00000000 Vapor recovery equipment status: Not reported Stage 2 Vapor recvry equipmnt status: Not reported State 2 equipment installed Date: Not reported State 2 equipment installed: Not reported Owner Name: Not reported Operator Phone: Not reported Owner Address: Owner Type: Federal Government Operator Type: Not reported Contact Operator: Mail Undelivble : Not reported Bankruptcy In Effect: Not reported # Of Facilities Reported By Owner: 0001 Number Of USTs : 0027 Owner Amendment Reason : owner name changed Owner Amendment Date : 010303 Owner Tax Id : Not reported Financial Respsnbly: Not reported Financial Assurance Begin: Not reported Third Party Met: Not reported Signature Name: Signature Type: Not reported Cert Submit Type: Not reported Fees Self-Cert Flag: Not reported Financial Assurance Self-Cert: Not reported Compartment Letter: Not reported UST Delivery Cert Expire Date: Region Number : 05	Owner ID: 10228 Number of ASTs: 0022 Tank Status: In Use Contact phone: 903-334-4103 Other content: Not reported Other Contain.: Not reported Other material: Not reported Cont Oper Tele: Not reported Number Of ASTs :0022 Corrtv Action Met: Not reported Self-Cert Date: Not reported Registrn Self-cert: Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
RED RIVER ARMY DEPOT (Continued)			U003420268
Facility ID: 0021468	Owner ID: 10228		
Tank ID: 387			
Number of USTs: 0027	Number of ASTs: 0022		
Facility Type: Fleet refueling			
Facility ID 2 : 058196			
Facility PO Box : Not reported			
Owner PO Box : Not reported			
Date Registration Form Received : 04/86/04			
Facility in Ozone non-attainment area : Not reported			
Name of Facility Manager : RON WILLIAMS			
Title of Facility Manager : Not reported			
Facility Manager Phone : 9033344103			
Sign Name on Registration Form : C.R. WILCOX			
Title of Signer of Registration Form : FACIL. ENGR.			
Date of Signature on Registration Form : 040186			
Capacity: 0013000	Tank Status: In Use		
Unit ID: 00152463			
Owner Contact: Mark Crawford	Contact phone: 903-334-4103		
Content: Diesel	Other content: Not reported		
Containment: Concrete	Other Contain.: Not reported		
Material: Steel	Other material: Not reported		
Owner: US DEPARTMENT OF THE ARMY			
Date Installed: 01/01/19			
Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000			
Date out of use: Not reported			
Tank registration date: 00000000			
Vapor recovery equipment status: Not reported			
Stage 2 Vapor recvry equipmnt status: Not reported			
State 2 equipment installed Date: Not reported			
State 2 equipment installed: Not reported			
Owner Name: Not reported			
Operator Phone: Not reported			
Owner Address: Not reported			
Owner Type: Federal Government			
Operator Type: Not reported			
Contact Operator: Not reported	Cont Oper Tele: Not reported		
Mail Undelivble : Not reported			
Bankruptcy In Effect: Not reported			
# Of Facilities Reported By Owner: 0001			
Number Of USTs : 0027	Number Of ASTs :0022		
Owner Amendment Reason : owner name changed			
Owner Amendment Date : 010303			
Owner Tax Id : Not reported			
Financial Respsnbly: Not reported	Corrtv Action Met: Not reported		
Financial Assurance Begin: Not reported			
Third Party Met: Not reported	Self-Cert Date: Not reported		
Signature Name: Not reported			
Signature Type: Not reported			
Cert Submit Type: Not reported	Registrn Self-cert: Not reported		
Fees Self-Cert Flag: Not reported			
Financial Assurance Self-Cert: Not reported			
Compartment Letter: Not reported			
UST Delivery Cert Expire Date: Not reported			
Region Number : 05			

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
RED RIVER ARMY DEPOT (Continued)		U003420268
Facility ID: 0021468	Owner ID: 10228	
Tank ID: 504		
Number of USTs: 0027	Number of ASTs: 0022	
Facility Type: Fleet refueling		
Facility ID 2 : 058196		
Facility PO Box : Not reported		
Owner PO Box : Not reported		
Date Registration Form Received : 04/86/04		
Facility in Ozone non-attainment area : Not reported		
Name of Facility Manager : RON WILLIAMS		
Title of Facility Manager : Not reported		
Facility Manager Phone : 9033344103		
Sign Name on Registration Form : C.R. WILCOX		
Title of Signer of Registration Form : FACIL. ENGR.		
Date of Signature on Registration Form : 040186		
Capacity: 0010038	Tank Status: Temporarily Out of Use	
Unit ID: 00152464		
Owner Contact: Mark Crawford	Contact phone: 903-334-4103	
Content: Diesel	Other content: Not reported	
Containment: Earthen dike	Other Contain.: Not reported	
Material: Steel	Other material: Not reported	
Owner: US DEPARTMENT OF THE ARMY		
Date Installed: 01/01/19		
Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000		
Date out of use: 02122003		
Tank registration date: 04041986		
Vapor recovery equipment status: Not reported		
Stage 2 Vapor recvry equipmnt status: Not reported		
State 2 equipment installed Date: Not reported		
State 2 equipment installed: Not reported		
Owner Name: Not reported		
Operator Phone: Not reported		
Owner Address:		
Owner Type: Federal Government		
Operator Type: Not reported		
Contact Operator:	Cont Oper Tele: Not reported	
Mail Undelivble : Not reported		
Bankruptcy In Effect: Not reported		
# Of Facilities Reported By Owner: 0001		
Number Of USTs : 0027	Number Of ASTs :0022	
Owner Amendment Reason : owner name changed		
Owner Amendment Date : 010303		
Owner Tax Id : Not reported		
Financial Respsnbly: Not reported	Corrtv Action Met: Not reported	
Financial Assurance Begin: Not reported		
Third Party Met: Not reported	Self-Cert Date: Not reported	
Signature Name:		
Signature Type: Not reported		
Cert Submit Type: Not reported	Registrn Self-cert: Not reported	
Fees Self-Cert Flag: Not reported		
Financial Assurance Self-Cert: Not reported		
Compartment Letter: Not reported		
UST Delivery Cert Expire Date:		
Region Number : 05		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
RED RIVER ARMY DEPOT (Continued)		U003420268
Facility ID: 0021468	Owner ID: 10228	
Tank ID: 515		
Number of USTs: 0027	Number of ASTs: 0022	
Facility Type: Fleet refueling		
Facility ID 2 : 058196		
Facility PO Box : Not reported		
Owner PO Box : Not reported		
Date Registration Form Received : 04/86/04		
Facility in Ozone non-attainment area : Not reported		
Name of Facility Manager : RON WILLIAMS		
Title of Facility Manager : Not reported		
Facility Manager Phone : 9033344103		
Sign Name on Registration Form : C.R. WILCOX		
Title of Signer of Registration Form : FACIL. ENGR.		
Date of Signature on Registration Form : 040186		
Capacity: 0007066	Tank Status: Temporarily Out of Use	
Unit ID: 00152465		
Owner Contact: Mark Crawford	Contact phone: 903-334-4103	
Content: Diesel	Other content: Not reported	
Containment: Earthen dike	Other Contain.: Not reported	
Material: Steel	Other material: Not reported	
Owner: US DEPARTMENT OF THE ARMY		
Date Installed: 01/01/19		
Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000		
Date out of use: 02122003		
Tank registration date: 04041986		
Vapor recovery equipment status: Not reported		
Stage 2 Vapor recvry equipmnt status: Not reported		
State 2 equipment installed Date: Not reported		
State 2 equipment installed: Not reported		
Owner Name: Not reported		
Operator Phone: Not reported		
Owner Address:		
Owner Type: Federal Government		
Operator Type: Not reported		
Contact Operator:	Cont Oper Tele: Not reported	
Mail Undelivble : Not reported		
Bankruptcy In Effect: Not reported		
# Of Facilities Reported By Owner: 0001		
Number Of USTs : 0027	Number Of ASTs :0022	
Owner Amendment Reason : owner name changed		
Owner Amendment Date : 010303		
Owner Tax Id : Not reported		
Financial Respsnbly: Not reported	Corrtv Action Met: Not reported	
Financial Assurance Begin: Not reported		
Third Party Met: Not reported	Self-Cert Date: Not reported	
Signature Name:		
Signature Type: Not reported		
Cert Submit Type: Not reported	Registrn Self-cert: Not reported	
Fees Self-Cert Flag: Not reported		
Financial Assurance Self-Cert: Not reported		
Compartment Letter: Not reported		
UST Delivery Cert Expire Date:		
Region Number : 05		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
RED RIVER ARMY DEPOT (Continued)		U003420268
Facility ID: 0021468	Owner ID: 10228	
Tank ID: 513		
Number of USTs: 0027	Number of ASTs: 0022	
Facility Type: Fleet refueling		
Facility ID 2 : 058196		
Facility PO Box : Not reported		
Owner PO Box : Not reported		
Date Registration Form Received : 04/86/04		
Facility in Ozone non-attainment area : Not reported		
Name of Facility Manager : RON WILLIAMS		
Title of Facility Manager : Not reported		
Facility Manager Phone : 9033344103		
Sign Name on Registration Form : C.R. WILCOX		
Title of Signer of Registration Form : FACIL. ENGR.		
Date of Signature on Registration Form : 040186		
Capacity: 0010046	Tank Status: Temporarily Out of Use	
Unit ID: 00152466		
Owner Contact: Mark Crawford	Contact phone: 903-334-4103	
Content: Diesel	Other content: Not reported	
Containment: Earthen dike	Other Contain.: Not reported	
Material: Steel	Other material: Not reported	
Owner: US DEPARTMENT OF THE ARMY		
Date Installed: 01/01/19		
Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000		
Date out of use: 02122003		
Tank registration date: 04041986		
Vapor recovery equipment status: Not reported		
Stage 2 Vapor recvry equipmnt status: Not reported		
State 2 equipment installed Date: Not reported		
State 2 equipment installed: Not reported		
Owner Name: Not reported		
Operator Phone: Not reported		
Owner Address: Not reported		
Owner Type: Federal Government		
Operator Type: Not reported		
Contact Operator: Not reported	Cont Oper Tele: Not reported	
Mail Undelivble : Not reported		
Bankruptcy In Effect: Not reported		
# Of Facilities Reported By Owner: 0001		
Number Of USTs : 0027	Number Of ASTs :0022	
Owner Amendment Reason : owner name changed		
Owner Amendment Date : 010303		
Owner Tax Id : Not reported		
Financial Respsnbly: Not reported	Corrtv Action Met: Not reported	
Financial Assurance Begin: Not reported		
Third Party Met: Not reported	Self-Cert Date: Not reported	
Signature Name: Not reported		
Signature Type: Not reported		
Cert Submit Type: Not reported	Registrn Self-cert: Not reported	
Fees Self-Cert Flag: Not reported		
Financial Assurance Self-Cert: Not reported		
Compartment Letter: Not reported		
UST Delivery Cert Expire Date: Not reported		
Region Number : 05		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
RED RIVER ARMY DEPOT (Continued)		U003420268	
Facility ID: 0021468	Owner ID: 10228		
Tank ID: 514			
Number of USTs: 0027	Number of ASTs: 0022		
Facility Type: Fleet refueling			
Facility ID 2 : 058196			
Facility PO Box : Not reported			
Owner PO Box : Not reported			
Date Registration Form Received : 04/86/04			
Facility in Ozone non-attainment area : Not reported			
Name of Facility Manager : RON WILLIAMS			
Title of Facility Manager : Not reported			
Facility Manager Phone : 9033344103			
Sign Name on Registration Form : C.R. WILCOX			
Title of Signer of Registration Form : FACIL. ENGR.			
Date of Signature on Registration Form : 040186			
Capacity: 0010056	Tank Status: Temporarily Out of Use		
Unit ID: 00152467			
Owner Contact: Mark Crawford	Contact phone: 903-334-4103		
Content: Diesel	Other content: Not reported		
Containment: Earthen dike	Other Contain.: Not reported		
Material: Steel	Other material: Not reported		
Owner: US DEPARTMENT OF THE ARMY			
Date Installed: 01/01/19			
Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000			
Date out of use: 02122003			
Tank registration date: 04041986			
Vapor recovery equipment status: Not reported			
Stage 2 Vapor recvry equipmnt status: Not reported			
State 2 equipment installed Date: Not reported			
State 2 equipment installed: Not reported			
Owner Name: Not reported			
Operator Phone: Not reported			
Owner Address: Not reported			
Owner Type: Federal Government			
Operator Type: Not reported			
Contact Operator: Not reported	Cont Oper Tele: Not reported		
Mail Undelivble : Not reported			
Bankruptcy In Effect: Not reported			
# Of Facilities Reported By Owner: 0001			
Number Of USTs : 0027	Number Of ASTs :0022		
Owner Amendment Reason : owner name changed			
Owner Amendment Date : 010303			
Owner Tax Id : Not reported			
Financial Respsnbly: Not reported	Corrtv Action Met: Not reported		
Financial Assurance Begin: Not reported			
Third Party Met: Not reported	Self-Cert Date: Not reported		
Signature Name: Not reported			
Signature Type: Not reported			
Cert Submit Type: Not reported	Registrn Self-cert: Not reported		
Fees Self-Cert Flag: Not reported			
Financial Assurance Self-Cert: Not reported			
Compartment Letter: Not reported			
UST Delivery Cert Expire Date: Not reported			
Region Number : 05			

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
RED RIVER ARMY DEPOT (Continued)		U003420268	
Facility ID: 0021468	Owner ID: 10228		
Tank ID: 524A			
Number of USTs: 0027	Number of ASTs: 0022		
Facility Type: Fleet refueling			
Facility ID 2 : 058196			
Facility PO Box : Not reported			
Owner PO Box : Not reported			
Date Registration Form Received : 04/86/04			
Facility in Ozone non-attainment area : Not reported			
Name of Facility Manager : RON WILLIAMS			
Title of Facility Manager : Not reported			
Facility Manager Phone : 9033344103			
Sign Name on Registration Form : C.R. WILCOX			
Title of Signer of Registration Form : FACIL. ENGR.			
Date of Signature on Registration Form : 040186			
Capacity: 0005000	Tank Status: In Use		
Unit ID: 00152468			
Owner Contact: Mark Crawford	Contact phone: 903-334-4103		
Content: Diesel	Other content: Not reported		
Containment: Earthen dike	Other Contain.: Not reported		
Material: Steel	Other material: Not reported		
Owner: US DEPARTMENT OF THE ARMY			
Date Installed: 01/01/19			
Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000			
Date out of use: Not reported			
Tank registration date: 00000000			
Vapor recovery equipment status: Not reported			
Stage 2 Vapor recvry equipmnt status: Not reported			
State 2 equipment installed Date: Not reported			
State 2 equipment installed: Not reported			
Owner Name: Not reported			
Operator Phone: Not reported			
Owner Address: Not reported			
Owner Type: Federal Government			
Operator Type: Not reported			
Contact Operator: Not reported	Cont Oper Tele: Not reported		
Mail Undelivble : Not reported			
Bankruptcy In Effect: Not reported			
# Of Facilities Reported By Owner: 0001			
Number Of USTs : 0027	Number Of ASTs :0022		
Owner Amendment Reason : owner name changed			
Owner Amendment Date : 010303			
Owner Tax Id : Not reported			
Financial Respsnbly: Not reported	Corrtv Action Met: Not reported		
Financial Assurance Begin: Not reported			
Third Party Met: Not reported	Self-Cert Date: Not reported		
Signature Name: Not reported			
Signature Type: Not reported			
Cert Submit Type: Not reported	Registrn Self-cert: Not reported		
Fees Self-Cert Flag: Not reported			
Financial Assurance Self-Cert: Not reported			
Compartment Letter: Not reported			
UST Delivery Cert Expire Date: Not reported			
Region Number : 05			

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
RED RIVER ARMY DEPOT (Continued)		U003420268
Facility ID: 0021468	Owner ID: 10228	
Tank ID: 512		
Number of USTs: 0027	Number of ASTs: 0022	
Facility Type: Fleet refueling		
Facility ID 2 : 058196		
Facility PO Box : Not reported		
Owner PO Box : Not reported		
Date Registration Form Received : 04/86/04		
Facility in Ozone non-attainment area : Not reported		
Name of Facility Manager : RON WILLIAMS		
Title of Facility Manager : Not reported		
Facility Manager Phone : 9033344103		
Sign Name on Registration Form : C.R. WILCOX		
Title of Signer of Registration Form : FACIL. ENGR.		
Date of Signature on Registration Form : 040186		
Capacity: 0010039	Tank Status: Temporarily Out of Use	
Unit ID: 00152469		
Owner Contact: Mark Crawford	Contact phone: 903-334-4103	
Content: Diesel	Other content: Not reported	
Containment: Earthen dike	Other Contain.: Not reported	
Material: Steel	Other material: Not reported	
Owner: US DEPARTMENT OF THE ARMY		
Date Installed: 01/01/19		
Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000		
Date out of use: 02122003		
Tank registration date: 04041986		
Vapor recovery equipment status: Not reported		
Stage 2 Vapor recrvy equipmnt status: Not reported		
State 2 equipment installed Date: Not reported		
State 2 equipment installed: Not reported		
Owner Name: Not reported		
Operator Phone: Not reported		
Owner Address:		
Owner Type: Federal Government		
Operator Type: Not reported		
Contact Operator:	Cont Oper Tele: Not reported	
Mail Undelivble : Not reported		
Bankruptcy In Effect: Not reported		
# Of Facilities Reported By Owner: 0001		
Number Of USTs : 0027	Number Of ASTs :0022	
Owner Amendment Reason : owner name changed		
Owner Amendment Date : 010303		
Owner Tax Id : Not reported		
Financial Respsnbly: Not reported	Corrtv Action Met: Not reported	
Financial Assurance Begin: Not reported		
Third Party Met: Not reported	Self-Cert Date: Not reported	
Signature Name:		
Signature Type: Not reported		
Cert Submit Type: Not reported	Registrn Self-cert: Not reported	
Fees Self-Cert Flag: Not reported		
Financial Assurance Self-Cert: Not reported		
Compartment Letter: Not reported		
UST Delivery Cert Expire Date:		
Region Number : 05		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
RED RIVER ARMY DEPOT (Continued)			U003420268
Facility ID: 0021468	Owner ID: 10228		
Tank ID: 524D			
Number of USTs: 0027	Number of ASTs: 0022		
Facility Type: Fleet refueling			
Facility ID 2 : 058196			
Facility PO Box : Not reported			
Owner PO Box : Not reported			
Date Registration Form Received : 04/86/04			
Facility in Ozone non-attainment area : Not reported			
Name of Facility Manager : RON WILLIAMS			
Title of Facility Manager : Not reported			
Facility Manager Phone : 9033344103			
Sign Name on Registration Form : C.R. WILCOX			
Title of Signer of Registration Form : FACIL. ENGR.			
Date of Signature on Registration Form : 040186			
Capacity: 0030000	Tank Status: In Use		
Unit ID: 00152470			
Owner Contact: Mark Crawford	Contact phone: 903-334-4103		
Content: Diesel	Other content: Not reported		
Containment: Earthen dike	Other Contain.: Not reported		
Material: Steel	Other material: Not reported		
Owner: US DEPARTMENT OF THE ARMY			
Date Installed: 01/01/19			
Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000			
Date out of use: Not reported			
Tank registration date: 00000000			
Vapor recovery equipment status: Not reported			
Stage 2 Vapor recvry equipmnt status: Not reported			
State 2 equipment installed Date: Not reported			
State 2 equipment installed: Not reported			
Owner Name: Not reported			
Operator Phone: Not reported			
Owner Address: Not reported			
Owner Type: Federal Government			
Operator Type: Not reported			
Contact Operator: Not reported	Cont Oper Tele: Not reported		
Mail Undelivble : Not reported			
Bankruptcy In Effect: Not reported			
# Of Facilities Reported By Owner: 0001			
Number Of USTs : 0027	Number Of ASTs :0022		
Owner Amendment Reason : owner name changed			
Owner Amendment Date : 010303			
Owner Tax Id : Not reported			
Financial Respsnbly: Not reported	Corrtv Action Met: Not reported		
Financial Assurance Begin: Not reported			
Third Party Met: Not reported	Self-Cert Date: Not reported		
Signature Name: Not reported			
Signature Type: Not reported			
Cert Submit Type: Not reported	Registrn Self-cert: Not reported		
Fees Self-Cert Flag: Not reported			
Financial Assurance Self-Cert: Not reported			
Compartment Letter: Not reported			
UST Delivery Cert Expire Date: Not reported			
Region Number : 05			

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number	EPA ID Number
RED RIVER ARMY DEPOT (Continued)		U003420268	
Facility ID: 0021468 Tank ID: 524E Number of USTs: 0027 Facility Type: Fleet refueling Facility ID 2 : 058196 Facility PO Box : Not reported Owner PO Box : Not reported Date Registration Form Received : 04/86/04 Facility in Ozone non-attainment area : Not reported Name of Facility Manager : RON WILLIAMS Title of Facility Manager : Not reported Facility Manager Phone : 9033344103 Sign Name on Registration Form : C.R. WILCOX Title of Signer of Registration Form : FACIL. ENGR. Date of Signature on Registration Form : 040186 Capacity: 0005000 Unit ID: 00152471 Owner Contact: Mark Crawford Content: Gasoline Containment: Earthen dike Material: Steel Owner: US DEPARTMENT OF THE ARMY Date Installed: 01/01/19 Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000 Date out of use: Not reported Tank registration date: 00000000 Vapor recovery equipment status: Not reported Stage 2 Vapor recvry equipmnt status: Not reported State 2 equipment installed Date: Not reported State 2 equipment installed: Not reported Owner Name: Not reported Operator Phone Not reported Owner Address: Owner Type: Federal Government Operator Type: Not reported Contact Operator: Mail Undelivble : Not reported Bankruptcy In Effect Not reported # Of Facilities Reported By Owner: 0001 Number Of USTs : 0027 Owner Amendment Reason : owner name changed Owner Amendment Date : 010303 Owner Tax Id : Not reported Financial Respsnbty: Not reported Financial Assurance Begin: Not reported Third Party Met: Not reported Signature Name: Signature Type: Not reported Cert Submit Type: Not reported Fees Self-Cert Flag: Not reported Financial Assurance Self-Cert: Not reported Compartment Letter: Not reported UST Delivery Cert Expire Date: Region Number : 05	Owner ID: 10228 Number of ASTs: 0022 Tank Status: In Use Contact phone: 903-334-4103 Other content: Not reported Other Contain.: Not reported Other material: Not reported Cont Oper Tele: Not reported Number Of ASTs :0022 Corrtv Action Met: Not reported Self-Cert Date: Not reported Registrn Self-cert: Not reported		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
RED RIVER ARMY DEPOT (Continued)		U003420268
Facility ID: 0021468	Owner ID: 10228	
Tank ID: 1027		
Number of USTs: 0027	Number of ASTs: 0022	
Facility Type: Fleet refueling		
Facility ID 2 : 058196		
Facility PO Box : Not reported		
Owner PO Box : Not reported		
Date Registration Form Received : 04/86/04		
Facility in Ozone non-attainment area : Not reported		
Name of Facility Manager : RON WILLIAMS		
Title of Facility Manager : Not reported		
Facility Manager Phone : 9033344103		
Sign Name on Registration Form : C.R. WILCOX		
Title of Signer of Registration Form : FACIL. ENGR.		
Date of Signature on Registration Form : 040186		
Capacity: 0004000	Tank Status: Temporarily Out of Use	
Unit ID: 00152472		
Owner Contact: Mark Crawford	Contact phone: 903-334-4103	
Content: Not reported	Other content: Empty	
Containment: Concrete	Other Contain.: Not reported	
Material: Steel	Other material: Not reported	
Owner: US DEPARTMENT OF THE ARMY		
Date Installed: 01/01/19		
Owner Address: US HWY 82 W Bldg 342 TEXARKANA, TX 75507 - 5000		
Date out of use: 06011990		
Tank registration date: 01031990		
Vapor recovery equipment status: Not reported		
Stage 2 Vapor recvry equipmnt status: Not reported		
State 2 equipment installed Date: Not reported		
State 2 equipment installed: Not reported		
Owner Name: Not reported		
Operator Phone: Not reported		
Owner Address:		
Owner Type: Federal Government		
Operator Type: Not reported		
Contact Operator:	Cont Oper Tele: Not reported	
Mail Undelivble : Not reported		
Bankruptcy In Effect: Not reported		
# Of Facilities Reported By Owner: 0001		
Number Of USTs : 0027	Number Of ASTs :0022	
Owner Amendment Reason : owner name changed		
Owner Amendment Date : 010303		
Owner Tax Id : Not reported		
Financial Respsnbly: Not reported	Corrtv Action Met: Not reported	
Financial Assurance Begin: Not reported		
Third Party Met: Not reported	Self-Cert Date: Not reported	
Signature Name:		
Signature Type: Not reported		
Cert Submit Type: Not reported	Registrn Self-cert: Not reported	
Fees Self-Cert Flag: Not reported		
Financial Assrurance Self-Cert: Not reported		
Compartment Letter: Not reported		
UST Delivery Cert Expire Date:		
Region Number : 05		

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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**RED RIVER ARMY DEPOT
HIGHWAY 82 W
TEXARKANA, TX 75501**

**Ind. Haz Waste S106524624
N/A**

TX IHW:

Registration Number:	H1313
Year:	2003
Registration Initial Notification Date:	06/25/1979
Registration Last Amendment Date:	08/23/2001
EPA Identification:	Not reported
TNRCC Permit Number:	034151
Revcr Has Monthly Reporting Requirement:	Not reported
Description of Facility Site Location:	Highway 82 W, Texarkana, TX
Site Primary Standard Industrial Code:	99990
	Nonclassifiable Establishments
	Nonclassifiable
Registration is a Generator of Waste:	No
Registration is a Receivers of Waste:	Yes
Registration is a Transporter of Waste:	No
Registration is a Transfer Facility:	No
Mexican Facility:	Does not represent a Maquiladora (Mexican Facility)
Facility Country:	Not reported
Facility Status:	Inactive
Type of Generator:	Not reported
Company Name:	Red River Army Depot
Facility County:	Not reported
TNRCC Region:	Not reported
TNRCC Facility ID :	034151
Site Owner Tax ID :	Not reported
Site Location Lat/Long :	Not reported
Last Update to NOR Data :	20030904
Ind. waste permit # :	Not reported
Mun waste permit # :	Not reported
Non Notifier :	No
Facility is STEERS Reporter :	No
Fac Req to Submit Annual Waste Summary Rpt :	No
Facility Involved In Recycling:	No
Mailing Address:	Highway 82 W Texarkana, TX 75501
Mailing County:	USA
Mailing Add 3:	Not reported
Contact:	CR Wilcoy
Contact Telephone Number:	214-838-2111
Registration Number:	H1313
Year:	2004
Registration Initial Notification Date:	06/25/1979
Registration Last Amendment Date:	08/23/2001
EPA Identification:	Not reported
TNRCC Permit Number:	034151
Revcr Has Monthly Reporting Requirement:	9
Description of Facility Site Location:	Highway 82 W, Texarkana, TX
Site Primary Standard Industrial Code:	99990
	Nonclassifiable Establishments
	Nonclassifiable
Registration is a Generator of Waste:	No
Registration is a Receivers of Waste:	Yes
Registration is a Transporter of Waste:	No
Registration is a Transfer Facility:	No

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
RED RIVER ARMY DEPOT (Continued)		S106524624
Mexican Facility:	Does not represent a Maquiladora (Mexican Facility)	
Facility Country:	USA	
Facility Status:	Inactive	
Type of Generator:	Not reported	
Company Name:	Red River Army Depot	
Facility County:	Not reported	
TNRCC Region:	Not reported	
TNRCC Facility ID :	034151	
Site Owner Tax ID :	Not reported	
Site Location Lat/Long :	Not reported	
Last Update to NOR Data :	20030904	
Ind. waste permit # :	Not reported	
Mun waste permit # :	Not reported	
Non Notifier :	No	
Facility is STEERS Reporter :	No	
Fac Req to Submit Annual Waste Summary Rpt :	No	
Facility Involved In Recycling:	No	
Mailing Address:	Highway 82 W Texarkana, TX 75501	
Mailing County:	USA	
Mailing Add 3:	Not reported	
Contact:	CR Wilcoy	
Contact Telephone Number:	214-838-2111	

[Click this hyperlink](#) while viewing on your computer to access additional TX IHW detail in the EDR Site Report.

LONE STAR ARMY AMMUNITION PLANT HIGHWAY 82 W TEXARKANA, TX 75501	Ind. Haz Waste	S105478858 N/A
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TX IHW:	
Registration Number:	30991
Year:	1999
Registration Initial Notification Date:	04/12/1977
Registration Last Amendment Date:	11/17/1999
EPA Identification:	TX7213821831
TNRCC Permit Number:	Not reported
Revcr Has Monthly Reporting Requirement:	Not reported
Description of Facility Site Location:	US Hwy 82 W. 11 Miles West of Texarkana, Texarkana, TX
Site Primary Standard Industrial Code:	34830 Ammunition, Except For Small Arms Manufacturing
Registration is a Generator of Waste:	Yes
Registration is a Receivers of Waste:	No
Registration is a Transporter of Waste:	No
Registration is a Transfer Facility:	No
Mexican Facility:	Does not represent a Maquiladora (Mexican Facility)
Facility Country:	Not reported
Facility Status:	Active
Type of Generator:	Industrial, LQG
Company Name:	Lone Star Army Ammunition Plant
Facility County:	Not reported
TNRCC Region:	Not reported
TNRCC Facility ID :	Not reported
Site Owner Tax ID :	Not reported
Site Location Lat/Long :	Not reported
Last Update to NOR Data :	Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LONE STAR ARMY AMMUNITION PLANT (Continued)		S105478858
Ind. waste permit # :	Not reported	
Mun waste permit # :	Not reported	
Non Notifier :	Not reported	
Facility is STEERS Reporter :	Not reported	
Fac Req to Submit Annual Waste Summary Rpt :	Not reported	
Facility Involved In Recycling:	Not reported	
Mailing Address:	82 W Highway 82 West Lone Star Army Ammunition Plan Texarkana, TX 75505 - 9101	
Mailing County:	USA	
Mailing Add 3:	Lone Star Army Ammunition Plan	
Contact:	Dave Self	
Contact Telephone Number:	903-334-1308	
Registration Number:	30991	
Year:	2000	
Registration Initial Notification Date:	04/12/1977	
Registration Last Amendment Date:	11/08/2001	
EPA Identification:	TX7213821831	
TNRCC Permit Number:	008551	
Revr Has Monthly Reporting Requirement:	Not reported	
Description of Facility Site Location:	US Hwy 82 W 11 Miles West of Texarkana Texarkana TX	
Site Primary Standard Industrial Code:	34830 Ammunition, Except For Small Arms Manufacturing	
Registration is a Generator of Waste:	Yes	
Registration is a Receivers of Waste:	No	
Registration is a Transporter of Waste:	No	
Registration is a Transfer Facility:	No	
Mexican Facility:	Does not represent a Maquiladora (Mexican Facility)	
Facility Country:	Not reported	
Facility Status:	Active	
Type of Generator:	Industrial, LQG	
Company Name:	Lone Star Army Ammunition Plant	
Facility County:	Not reported	
TNRCC Region:	Not reported	
TNRCC Facility ID :	008551	
Site Owner Tax ID :	Not reported	
Site Location Lat/Long :	Not reported	
Last Update to NOR Data :	20011109	
Ind. waste permit # :	Not reported	
Mun waste permit # :	Not reported	
Non Notifier :	No	
Facility is STEERS Reporter :	Yes	
Fac Req to Submit Annual Waste Summary Rpt :	Yes	
Facility Involved In Recycling:	No	
Mailing Address:	Highway 82 W SNALS-TD Texarkana, TX 75501	
Mailing County:	USA	
Mailing Add 3:	SNALS-TD	
Contact:	Dave Self	
Contact Telephone Number:	903-334-1308 903-334-2161	
Registration Number:	30991	
Year:	2001	
Registration Initial Notification Date:	04/12/1977	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LONE STAR ARMY AMMUNITION PLANT (Continued)		S105478858
Registration Last Amendment Date:	03/25/2002	
EPA Identification:	TX7213821831	
TNRCC Permit Number:	008551	
Revcr Has Monthly Reporting Requirement:	Not reported	
Description of Facility Site Location:	US Highway 82 W, 11 Mi W of , Texarkana, TX	
Site Primary Standard Industrial Code:	34830	
	Ammunition, Except For Small Arms, NEC	
	Manufacturing	
Registration is a Generator of Waste:	Yes	
Registration is a Receivers of Waste:	No	
Registration is a Transporter of Waste:	No	
Registration is a Transfer Facility:	No	
Mexican Facility:	Does not represent a Maquiladora (Mexican Facility)	
Facility Country:	Not reported	
Facility Status:	Active	
Type of Generator:	Industrial, LQG	
Company Name:	Lone Star Army Ammunition Plant	
Facility County:	Not reported	
TNRCC Region:	Not reported	
TNRCC Facility ID :	008551	
Site Owner Tax ID :	Not reported	
Site Location Lat/Long :	Not reported	
Last Update to NOR Data :	20020604	
Ind. waste permit # :	Not reported	
Mun waste permit # :	Not reported	
Non Notifier :	No	
Facility is STEERS Reporter :	Yes	
Fac Req to Submit Annual Waste Summary Rpt :	Yes	
Facility Involved In Recycling:	No	
Mailing Address:	Highway 82 W	
	SNALS TD	
	Texarkana, TX 75501	
Mailing County:	USA	
Mailing Add 3:	SNALS TD	
Contact:	Dave Self	
Contact Telephone Number:	903-334-1308 903-334-2161	
Registration Number:	30991	
Year:	98-99	
Registration Initial Notification Date:	04/12/1977	
Registration Last Amendment Date:	06/30/1999	
EPA Identification:	TX7213821831	
TNRCC Permit Number:	Not reported	
Revcr Has Monthly Reporting Requirement:	Not reported	
Description of Facility Site Location:	US Hwy 82 W. 11 Miles West of Texarkana, Texarkana, TX	
Site Primary Standard Industrial Code:	34830	
	Ammunition, Except For Small Arms	
	Manufacturing	
Registration is a Generator of Waste:	Yes	
Registration is a Receivers of Waste:	No	
Registration is a Transporter of Waste:	No	
Registration is a Transfer Facility:	No	
Mexican Facility:	Does not represent a Maquiladora (Mexican Facility)	
Facility Country:	Not reported	
Facility Status:	Active	
Type of Generator:	Industrial, LQG	
Company Name:	Lone Star Army Ammunition Plant	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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LONE STAR ARMY AMMUNITION PLANT (Continued)		S105478858
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Facility County:	Not reported
TNRCC Region:	Not reported
TNRCC Facility ID :	Not reported
Site Owner Tax ID :	Not reported
Site Location Lat/Long :	Not reported
Last Update to NOR Data :	Not reported
Ind. waste permit # :	Not reported
Mun waste permit # :	Not reported
Non Notifier :	Not reported
Facility is STEERS Reporter :	Not reported
Fac Req to Submit Annual Waste Summary Rpt :	Not reported
Facility Involved In Recycling:	Not reported
Mailing Address:	82 W Highway 82 West Lone Star Army Ammunition Plan Texarkana, TX 75505 - 9101
Mailing County:	USA
Mailing Add 3:	Lone Star Army Ammunition Plan
Contact:	Dave Self
Contact Telephone Number:	903-334-1308

[Click this hyperlink](#) while viewing on your computer to access additional TX IHW detail in the EDR Site Report.

US DOA-LONE STAR ARMY AMMUNITION PLANT HIGHWAY 82 WEST TEXARKANA, TX 75501	FTTS INSP	1008191778 N/A
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FTTS:

Case Number:	Not reported
Docket Number:	TXH-89-221
Complaint Issued:	06/06/1989
Complaint Closed:	05/18/1990
Abatement Amount:	0
Proposed Penalty:	0
Final Assessment:	0
Final Order Date:	/ /
Close Date:	05/18/1990
Violation:	PCB, Inspect, PCB, Failure to Maintain Records, PCB, Use

Case Number:	Not reported
Docket Number:	TXH-89-221
Complaint Issued:	06/06/1989
Complaint Closed:	05/18/1990
Abatement Amount:	0
Proposed Penalty:	0
Final Assessment:	0
Final Order Date:	05/18/1990
Close Date:	05/18/1990
Violation:	PCB, Inspect, PCB, Failure to Maintain Records, PCB, Use

FTTS:

Case Number:	Not reported
Docket Number:	TXH-89-221
Complaint Issued:	06/06/1989
Complaint Closed:	05/18/1990
Abatement Amount:	0
Proposed Penalty:	0
Final Assessment:	0
Final Order Date:	/ /

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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US DOA-LONE STAR ARMY AMMUNITON PLANT (Continued)		1008191778
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Close Date: 05/18/1990
Violation: PCB, Inspect, PCB, Failure to Maintain Records, PCB, Use

Case Number: Not reported
Docket Number: TXH-89-221
Complaint Issued: 06/06/1989
Complaint Closed: 05/18/1990
Abatement Amount: 0
Proposed Penalty: 0
Final Assessment: 0
Final Order Date: 05/18/1990
Close Date: 05/18/1990
Violation: PCB, Inspect, PCB, Failure to Maintain Records, PCB, Use

DAY & ZIMMERMANN (LONE STAR ARMY AMMU.) HWY 82 W TEXARKANA, TX 75501	FTTS INSP	1008178484 N/A
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FTTS Insp:
Region: 06
Inspected Date: 12/22/1988
Insp Number: 19881222TX002 1
Violation occurred: Yes
Inspector: TADIN
Investigation Type: Section 6 PCB State Conducted
Facility Function: User
Investig Reason: Not reported
Legislation Code: TSCA

FTTS Insp:
Region: 06
Inspected Date: 12/22/1988
Insp Number: 19881222TX002 1
Violation occurred: Yes
Inspector: TADIN
Investigation Type: Section 6 PCB State Conducted
Facility Function: User
Investig Reason: Not reported
Legislation Code: TSCA

CITY OF TEXARKANA LANDFILL NO ADDRESS TEXARKANA, TX	SWF/LF	S106169859 N/A
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LF:
Facility Status : 4 CLOSED
Region : 5
Lat/long : 30.39/-97.67
Direction : NW OF US HIGHWAY 67W 7TH STREET AND ROBINSON ROAD INTERSECTION ON US HIGHWAY 67 W
Owner/operator : CITY OF TEXARKANA PO BOX 1967 TEXARKANA, TX 75501 (214) 794-3434
Appl. Recvd Date : 04/02/75
Status Date : 08/30/77
Area Served : TEXARKANA
Business Type : CITY
Etj : TEXARKANA
Permitted Acreage : 214.42
Population Served : 40000

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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CITY OF TEXARKANA LANDFILL (Continued)		S106169859
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River Basin Code : 3
 Tons Per Day : 20
 Yards Per Day : Not reported

Facility Status : 4 CLOSED
 Region : 5
 Lat/long : 32.43/-94.09
 Direction : 3300 BRIGHT STREET 1000 FEET W OF S ROBINSON ROAD AND BRIGHT STREET INTERSECTION

Owner/operator : CITY OF TEXARKANA PO BOX 1967 TEXARKANA, TX 75501 (214) 794-3434
 Appl. Recvd Date : 11/29/78
 Status Date : 04/16/79
 Area Served : TEXARKANA AREA
 Business Type : CITY
 Etj : Not reported
 Permitted Acreage : 13.8
 Population Served : 31656
 River Basin Code : 3
 Tons Per Day : 45
 Yards Per Day : Not reported

SAM W HUGHES SR LANDFILL NO ADDRESS TEXARKANA, TX	SWF/LF	S106170615 N/A
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LF:
 Facility Status : 1 CLOSED
 Region : 5
 Lat/long : 33.40/-94.17
 Direction : 7 MILES FROM TEXARKANA LIMITS ON HIGHWAY 67W .75 MILES ON JUNCTION 991
 Owner/operator : HUGHES SR, SAM W RR 6 BOX 547 C TEXARKANA, TX 75501 (214) 839-0911
 Appl. Recvd Date : 04/01/75
 Status Date : 04/01/75
 Area Served : BOWIE CO
 Business Type : INDIVIDUAL
 Etj : Not reported
 Permitted Acreage : 34
 Population Served : 81665
 River Basin Code : 3
 Tons Per Day : 1
 Yards Per Day : Not reported

REMEDATION SYSTEMS OF TEXAS-TEXARKANA L NO ADDRESS TEXARKANA, TX	SWF/LF	S106821407 N/A
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LF:
 Facility Status : 5TL CLOSED
 Region : 5
 Lat/long : Not reported
 Direction : Not reported
 Owner/operator : IATION SYSTEMS OF TEXAS-TEXARKANA 1225 NEOSHO AVE BATON ROUGE, LA 70801 (504) 389-0804
 Appl. Recvd Date : 01/04/95
 Status Date : 03/18/98
 Area Served : TEXARKANA
 Business Type : Not reported
 Etj : Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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REMIEDIATION SYSTEMS OF TEXAS-TEXARKANA L (Continued)		S106821407
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Permitted Acreage : 0.25
 Population Served : 31656
 River Basin Code : Not reported
 Tons Per Day : Not reported
 Yards Per Day : Not reported

TEXARKANA MEMORIAL HOSPITAL SOLID WASTE NO ADDRESS TEXARKANA, TX	SWF/LF	S106821431 N/A
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LF:
 Facility Status : 5WI NOT CONSTRUCTED
 Region : 5
 Lat/long : 33.44/-94.06
 Direction : Not reported
 Owner/operator : KANA MEMORIAL HOSPITAL INC 1000 PINE ST TEXARKANA, TX 75501 (903) 798-7000
 Appl. Recvd Date : 02/04/93
 Status Date : 09/24/93
 Area Served : Not reported
 Business Type : 3
 Etj : Not reported
 Permitted Acreage : 1
 Population Served : 2000
 River Basin Code : 2
 Tons Per Day : 6
 Yards Per Day : Not reported

WESTERN REFUSE OF TEXAS TRANSFER STATION NO ADDRESS TEXARKANA, TX	SWF/LF	S106821456 N/A
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LF:
 Facility Status : 5TS ACTIVE
 Region : 5
 Lat/long : 33.42/-94.08
 Direction : 200 FEET N OF US HIGHWAY 67 S OF MISSOURI PACIFIC RAILROAD 2708 W 7TH STREET IN TEXARKANA
 Owner/operator : WESTERN WASTE INDUSTRIES PO BOX 2702 TEXARKANA, TX 75501 (214) 794-4111
 Appl. Recvd Date : 12/17/76
 Status Date : 03/23/77
 Area Served : TEXARKANA
 Business Type : 3
 Etj : IN CITY LIMITS
 Permitted Acreage : 3.09
 Population Served : 35000
 River Basin Code : 3
 Tons Per Day : 110
 Yards Per Day : Not reported

COMMANDER LONE STAR ARMY AMMUNITION PLANT HWY 82 WEST COMMANDER LONE STAR ARMY AMMUNITION PLANT HWY 82 WEST TEXARKANA, TX 75501	ERNS	984661830 N/A
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Site ID: 98466183 Source: Not reported
 Site Location: COMMANDER LONE STAR ARMY AMMUNITION PLANT HWY 82 WEST
 TEXARKANA, TX 75501
 BOWIE County
 Report No: 466183 Report Date: 12/03/1998

DETAILED ORPHAN LISTING

Site _____ Database(s) _____ EDR ID Number
 EPA ID Number

COMMANDER LONE STAR ARMY AMMUNITION PLANT HWY 82 WEST (Continued) 984661830

Report Time: 10:15
 Spiller: True Confidential: False
 Spill Occurred: 930 on 12/02/1998
 Medium Desc: Water
 Dist from City:
 Heading: Not reported Field ID: Not reported
 Block ID: Not reported Milepost: Not reported
 Vehicle ID: Not reported
 Damage/Amt: Yes / \$500000.
 Evacuation: False Injured: Not reported
 Fatalities: Not reported
 Notes: UNNAMED DITCH > ELLIOTT CREEK RESERVOIR
 Agency Notif: EPA, STLOC, MISC NRC, MISC FEMA, MISC DOD
 Discharger: LONE STAR ARMY AMMUNITION
 COMMANDER LONE STAR ARMY AMMUNITION PLANT HWY 82 WEST
 TEXARKANA, TX 75501
 903-334-1308
 Disch Type: FG Caller Notif: EPA VI / TNRCC
 Other Agency: NATIONAL RESPONSE CENTER
 EPA Time: 0
 Other Time: 10:33 C.G. Unit: CGICC
 C.G. Time: 0
 Duty Officer: MSR Jurisdiction: Not reported
 Reportable: Not reported
 Cause: Not reported
 Tank Capacity: Not reported
 Facility Cap: Not reported
 Cont Rel Type: Not reported Cont Rel No: Not reported
 Comments: IT IS UNKNOWN IF THE TRICHLOROETHANE WAS RELEASED / SAMPLES HAVE BEEN TAKEN /
 RESULTS WILL BE KNOWN TODAY / DAMMED DITCH / SORBENTS USED A GRENADE EXPLODED AND
 SET OFF 2 OTHER EXPLOSIONS IN A AMMUNATION PRODUCTION BUILDING / HYDRAULIC OIL
 SPILLED DURING THE OCCURRANCE COMMANDER LONE STAR ARMY AMMUNITION PLANT HWY 82
 WEST THE MATERIAL WILL NOT REACH THE RESERVOIR

Spilled Material	Total Qty	In Water	Undot	Cas	Qty
1,1,1-TRICHLOROETHANE	0.00 UNK	0.00 UNK	Not reported	Not reported	0.00 lbs.
HYDRAULIC OIL	10.00 GAL	0.00 UNK	Not reported	Not reported	83.00 lbs.

RED LICK ISD WWTF
1000FT W EARNEST RD/2511 NORTH FMR 2148
TEXARKANA, TX 75501

FINDS 1005497560
110009774690

FINDS:
 Other Pertinent Environmental Activity Identified at Site:
 NATIONAL COMPLIANCE DATABASE SYSTEM
 PERMIT COMPLIANCE SYSTEM

LONE STAR ARMY AMMUNITION PLANT
US HIGHWAY 82 W
TEXARKANA, TX 75501

Ind. Haz Waste S106522687
N/A

TX IHW:
 Registration Number: 30991
 Year: 2003
 Registration Initial Notification Date: 04/12/1977
 Registration Last Amendment Date: 04/22/2004
 EPA Identification: TX7213821831
 TNRCC Permit Number: 008551

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LONE STAR ARMY AMMUNITION PLANT (Continued)		S106522687
Revcr Has Monthly Reporting Requirement:	Not reported	
Description of Facility Site Location:	US Highway 82 W, Texarkana, TX	
Site Primary Standard Industrial Code:	34830	
	Ammunition, Except For Small Arms, NEC	
	Manufacturing	
Registration is a Generator of Waste:	Yes	
Registration is a Receivers of Waste:	No	
Registration is a Transporter of Waste:	No	
Registration is a Transfer Facility:	No	
Mexican Facility:	Does not represent a Maquiladora (Mexican Facility)	
Facility Country:	Not reported	
Facility Status:	Active	
Type of Generator:	Industrial, LQG	
Company Name:	US Department of the Army	
Facility County:	Not reported	
TNRCC Region:	Not reported	
TNRCC Facility ID :	008551	
Site Owner Tax ID :	Not reported	
Site Location Lat/Long :	Not reported	
Last Update to NOR Data :	20040427	
Ind. waste permit # :	Not reported	
Mun waste permit # :	Not reported	
Non Notifier :	No	
Facility is STEERS Reporter :	Yes	
Fac Req to Submit Annual Waste Summary Rpt :	Yes	
Facility Involved In Recycling:	No	
Mailing Address:	Highway 82 W SNALS TD Texarkana, TX 75501	
Mailing County:	USA	
Mailing Add 3:	SNALS TD	
Contact:	Dave Self	
Contact Telephone Number:	903-334-1308 903-334-2161	

[Click this hyperlink](#) while viewing on your computer to access additional TX IHW detail in the EDR Site Report.

LONE STAR ARMY AMMUNITION PLANT US HIGHWAY 82 W TEXARKANA, TX 75501	Ind. Haz Waste	S105531005 N/A
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TX IHW:

Registration Number:	30991
Year:	2001
Registration Initial Notification Date:	04/12/1977
Registration Last Amendment Date:	03/25/2002
EPA Identification:	TX7213821831
TNRCC Permit Number:	008551
Revcr Has Monthly Reporting Requirement:	Not reported
Description of Facility Site Location:	US Highway 82 W, 11 Mi W of , Texarkana, TX
Site Primary Standard Industrial Code:	34830
	Ammunition, Except For Small Arms, NEC
	Manufacturing
Registration is a Generator of Waste:	Yes
Registration is a Receivers of Waste:	No
Registration is a Transporter of Waste:	No
Registration is a Transfer Facility:	No
Mexican Facility:	Does not represent a Maquiladora (Mexican Facility)

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
LONE STAR ARMY AMMUNITION PLANT (Continued)		S105531005
Facility Country:	Not reported	
Facility Status:	Active	
Type of Generator:	Industrial, LQG	
Company Name:	Lone Star Army Ammunition Plant	
Facility County:	Not reported	
TNRCC Region:	Not reported	
TNRCC Facility ID :	008551	
Site Owner Tax ID :	Not reported	
Site Location Lat/Long :	Not reported	
Last Update to NOR Data :	20020604	
Ind. waste permit # :	Not reported	
Mun waste permit # :	Not reported	
Non Notifier :	No	
Facility is STEERS Reporter :	Yes	
Fac Req to Submit Annual Waste Summary Rpt :	Yes	
Facility Involved In Recycling:	No	
Mailing Address:	Highway 82 W SNALS TD Texarkana, TX 75501	
Mailing County:	USA	
Mailing Add 3:	SNALS TD	
Contact:	Dave Self	
Contact Telephone Number:	903-334-1308 903-334-2161	
Registration Number:	30991	
Year:	2004	
Registration Initial Notification Date:	04/12/1977	
Registration Last Amendment Date:	04/07/2005	
EPA Identification:	TX7213821831	
TNRCC Permit Number:	008551	
Revcr Has Monthly Reporting Requirement:	3	
Description of Facility Site Location:	US Highway 82 W, Texarkana, TX	
Site Primary Standard Industrial Code:	34830 Ammunition, Except For Small Arms, NEC Manufacturing	
Registration is a Generator of Waste:	Yes	
Registration is a Receivers of Waste:	No	
Registration is a Transporter of Waste:	No	
Registration is a Transfer Facility:	No	
Mexican Facility:	Does not represent a Maquiladora (Mexican Facility)	
Facility Country:	Not reported	
Facility Status:	Active	
Type of Generator:	Industrial, LQG	
Company Name:	US Department of the Army	
Facility County:	Not reported	
TNRCC Region:	Not reported	
TNRCC Facility ID :	008551	
Site Owner Tax ID :	Not reported	
Site Location Lat/Long :	Not reported	
Last Update to NOR Data :	20050412	
Ind. waste permit # :	Not reported	
Mun waste permit # :	Not reported	
Non Notifier :	No	
Facility is STEERS Reporter :	Yes	
Fac Req to Submit Annual Waste Summary Rpt :	Yes	
Facility Involved In Recycling:	No	
Mailing Address:	Highway 82 W SNALS TD	

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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LONE STAR ARMY AMMUNITION PLANT (Continued)		S105531005
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Mailing County: Texarkana, TX 75501
 Mailing Add 3: USA
 Contact: Not reported
 Contact Telephone Number: Dave Self
 903-334-1308 903-334-2161

[Click this hyperlink](#) while viewing on your computer to access additional TX IHW detail in the EDR Site Report.

LONE STAR ARMY AMMUNITION PLANT US HIGHWAY 82 WEST TEXARKANA, TX 75501	FINDS	1007216828 110016706448
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FINDS:

Other Pertinent Environmental Activity Identified at Site:
 AEROMETRIC INFORMATION RETRIEVAL SYSTEM/AIRS FACILITY SYSTEM
 COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION AND INFORMATION SYSTEM
 INTEGRATED COMPLIANCE INFORMATION SYSTEM
 NATIONAL COMPLIANCE DATABASE SYSTEM
 NATIONAL EMISSIONS INVENTORY
 PERMIT COMPLIANCE SYSTEM
 RESOURCE CONSERVATION AND RECOVERY ACT INFORMATION SYSTEM
 TOXIC CHEMICAL RELEASE INVENTORY SYSTEM

LONE STAR ARMY AMMUNITION PLANT US HWY 82 W, 11MI W OF TEXARKANA, TX 75501	Ind. Haz Waste	S105833389 N/A
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TX IHW:

Registration Number: 30991
 Year: 2002
 Registration Initial Notification Date: 04/12/1977
 Registration Last Amendment Date: 01/16/2003
 EPA Identification: TX7213821831
 TNRCC Permit Number: 008551
 Revcr Has Monthly Reporting Requirement: Not reported
 Description of Facility Site Location: US Highway 82 W, 11 mi W of, Texarkana, TX
 Site Primary Standard Industrial Code: 34830
 Ammunition, Except For Small Arms, NEC
 Manufacturing
 Registration is a Generator of Waste: Yes
 Registration is a Receivers of Waste: No
 Registration is a Transporter of Waste: No
 Registration is a Transfer Facility: No
 Mexican Facility: Does not represent a Maquiladora (Mexican Facility)
 Facility Country: Not reported
 Facility Status: Active
 Type of Generator: Industrial, LQG
 Company Name: US Department of the Army
 Facility County: Not reported
 TNRCC Region: Not reported
 TNRCC Facility ID : 008551
 Site Owner Tax ID : Not reported
 Site Location Lat/Long : Not reported
 Last Update to NOR Data : 20030409
 Ind. waste permit # : Not reported
 Mun waste permit # : Not reported
 Non Notifier : No

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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LONE STAR ARMY AMMUNITION PLANT (Continued)		S105833389
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Facility is STEERS Reporter : Yes
 Fac Req to Submit Annual Waste Summary Rpt : Yes
 Facility Involved In Recycling: No
 Mailing Address: Highway 82 W
 SNALS TD
 Texarkana, TX 75501
 Mailing County: USA
 Mailing Add 3: SNALS TD
 Contact: Dave Self
 Contact Telephone Number: 903-334-1308 903-334-2161

[Click this hyperlink](#) while viewing on your computer to access additional TX IHW detail in the EDR Site Report.

E Z MART 101 KINGS HWY TEXARKANA, TX 75501	LTANKS	S105422892 N/A
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LTANKS:

Facility ID: 0010222
 Facility Location: KINGS HWY & RED WATER RD
 Reported Date: 12/6/2000
 Entered Date: 1/14/2002
 RPR Coordinator: IG
 Region: 05
 Region City ID: Tyler
 LPST Id: 115362
 Responsible Party: E Z MART STORES INC
 RP Contact: DAVID MCKAMIE
 RP Telephone: 903/831-4646
 RP Address: PO BOX 1426
 TEXARKANA, TX 75504
 Priority: GW IMPACT, PUBLIC/COMESTIC WATER SUPPLY WELL W/IN 0.25mi
 Status: MONITORING

Facility ID: 0010208
 Facility Location: KINGS HWY & HWY 59
 Reported Date: 2/10/2004
 Entered Date: 5/9/2004
 RPR Coordinator: IG
 Region: 05
 Region City ID: Tyler
 LPST Id: 115982
 Responsible Party: EZ MART STORES INC
 RP Contact: DAVID MCKAMIE
 RP Telephone: 903/831-4646
 RP Address: PO BOX 1426
 TEXARKANA, TX 75504 - 1426
 Priority: ASSESSMENT INCOMPLETE, NO APPARENT THREATS OR IMPACTS TO RECEPTORS
 Status: PREASSESSMENT/RELEASE DETERMINATION

DETAILED ORPHAN LISTING

Site _____ Database(s) _____ EDR ID Number _____
 EPA ID Number _____

**LONE STAR ARMY AMMUNITION PLANT
 LONE STAR ARMY AMMUNITION PLANT
 TEXARKANA, TX**

**ERNS 89100807
 N/A**

Site ID: 89100807
 Site Location: LONE STAR ARMY AMMUNITION PLANT
 TEXARKANA, TX
 BOWIE County
 Report No: 00712
 EPA Region: 06
 Spill Date: 01/17/1989
 Spill Time: 10:00
 Medium Desc: Land
 Damage/Amt: Yes / \$0.00
 Evacuation: No
 Fatalities: None
 Notes: UNDERGROUND
 Disch Add: HIGHWAY 82 WEST
 TEXARKANA, TX 75501
 Disch County: Not reported
 Cause: Not reported
 Injured: None
 Disch Org: LONE STAR ARMY AMMUNITION PLANT
 C.G. Unit: Not reported
 Spilled Material Total Qty In Water Undot Cas Qty

 TOXIC CHEMICALS 0.00 UNK 0.00 UNK Not reported Not reported 0.00 lbs.
 Description: CALLER SAYS THE BYPRODUCTS OF THE AMMUNITION MANUFAC- TURING ARE BEING
 Poured DOWN CISTERNS TO LEACH INTO GROUND.
 Resp Action: CALLER SAYS HE USED TO WORK AT THE LONE STAR PLANT AND THEY DUMPED
 THEIR LEFTOVER CHEMICALS ALL THE TIME. HE ASSUMES THEY STILL DO.
 Misc. Info: CALLER HAS NOT WORKED FOR FACTORY IN 13 YEARS BUT KNOWS THEY WERE
 DOING IT AT LEAST 15 YEARS AGO.
 Location : LONE STAR ARMY AMMUNITION PLANT

**LONESTAR ARMY AMMUNITION PLANT HIGHWAY 82W
 LONESTAR ARMY AMMUNITION PLANT HIGHWAY 82W
 TEXARKANA, TX**

**ERNS 8864658
 N/A**

Site ID: 8864658
 Site Location: LONESTAR ARMY AMMUNITION PLANT HIGHWAY 82W
 TEXARKANA, TX
 BOWIE County
 Report No: 11321
 EPA Region: 06
 Spill Date: 08/16/1988
 Spill Time: 08:00
 Medium Desc: Land
 Damage/Amt: Yes / \$0.00
 Evacuation: No
 Fatalities: None
 Notes: SOIL
 Disch Add: Not reported
 Not reported
 Disch County: Not reported
 Cause: Not reported
 Injured: None
 Disch Org: Not reported
 C.G. Unit: Not reported
 Spilled Material Total Qty In Water Undot Cas Qty

 TRANSFORMER OIL 280PPM 28.00 GAL 0.00 UNK Not reported Not reported 350.00 lbs.
 Description: TRANSFORMER/ LEAK DUE TO CORROSION
 Resp Action: TRANSFORMER WAS SHUT DOWN AND REMOVED, USED ABSORBENT PADS AND
 EXCAVATED CONTAMINATED SOIL, AND HAD TESTS DONE ON AREA
 Misc. Info: TESTING IS BEING DONE BY ANA-LAB (214)984-0551
 Location : LONESTAR ARMY AMMUNITION PLANT HIGHWAY 82W

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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**LONE STAR ARMY AMMUNITION PLANT
OLD GASOLINE STATION
TEXARKANA, TX 75501**

**LTANKS S106619632
N/A**

LTANKS:

Facility ID: 0000104
 Facility Location: LSAAP GS OLD GASOLINE STATION SPILL SITE
 Reported Date: 11/23/1988
 Entered Date: 12/7/1988
 RPR Coordinator: DRR
 Region: 05
 Region City ID: TYLER
 LPST Id: 092366
 Responsible Party: USARMY LONE STAR AMMO PLANT
 RP Contact: DAVID SELF
 RP Telephone: 903/334-1308
 RP Address: ATTENTIO N SOSLS TD HWY 82 W
 TEXARKANA, TX 75505 - 9101
 Priority: A DESIGNED MAJOR OR MINOR AQUIFER IS IMPACTED
 Status: FINAL CONCURRENCE ISSUED, CASE CLOSED

**MOBIL STATION
4302 STATE LINE ROAD
TEXARKANA, AR 75501**

**LUST S100563547
N/A**

LUST:

Notice Number: 46004 Received By: 26232
 Owner: ALICE BAKER
 Notification:
 Name: JIM DICKERSON
 Address: G & E ENGINEERING
 4915 S. SHERWOOD FOREST
 BATON ROUGE, LA 70816
 Telephone: (504) 292-9007
 Facility Address 2: Not reported Facility Tele: 5017736641
 LUST Tank Type: Underground Tank
 LUST Tank Type 2: Underground Tank
 Release Status : Confirmed
 Leak:
 Date: / /
 Cause: UNKNOWN.
 Damage: FREE PHASE PRODUCT FOUND IN GROUNDWATER.
 Volume : Not reported
 Discovery: Other (See Comments Tab)
 Priority Score : Not reported
 Funding Source : Not reported
 Cleanup Lead : Not reported
 Cleanup Initiated : 9/19/1994
 ISC date : 12/14/1993
 SAR date : 5/31/1994
 Cap Submit : 5/31/1994
 Public Notify : Not reported
 Cap Approve : 9/19/1994
 NFA Issued : 8/17/1998
 GIS Location : Not reported
 Facility County : 46
 Notify Date : 06/26/89
 AFIN Number : 4600140
 RST Facility ID : 46000012
 Lust Owner : Not reported

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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MOBIL STATION (Continued)

S100563547

Tech Branch :	5/3/1993
Emergency Response :	Not reported
Emergency Response 2 :	Not reported
Substance Stored Gasoline :	False
Substance Stored JetFuel :	False
Substance Stored Kerosene :	False
Substance Stored Diesel :	False
Substance Stored Used Waste Oil :	False
Substance Stored Petroleum NOS :	False
Substance Stored Unknown :	True
Substance Stored Cercla Subst :	Not reported
Damage Desc Sfc Soils :	False
Damage Desc Sfc Water :	False
Damage Desc Vapor Accum :	False
Damage Desc Utility Impact :	False
Damage Desc SubSfc Soils GW :	True
Damage Desc Drnk Water :	False
Damage Desc Other :	Not reported
Hazard Abatement Evac :	False
Hazard Abatement Prod Rmv.Rcvr :	False
Hazard Abatement Vapor.Abate :	False
Hazard Abatement Expsd.Soils :	False
Hazard Abatement Alt Drnk Water :	False
Hazard Abatement Other :	Not reported
Remedial Action Excv Disp :	False
Remedial Action Excv Trt :	False
Remedial Action In Situ Chem Ox :	False
Remedial Action In Situ Bioremed :	False
Remedial Action Soil Flush :	False
Remedial Action Ntrl Atten :	False
Remedial Action Air Sparging :	False
Remedial Action Soil Vapor Ext :	False
Remedial Action Dual Phase Ext :	False
Remedial Action GW Pump Trt :	False
Remedial Action Other :	Not reported

Memo: METHOD OF DISCOVERY: UNKNOWN. ATEC WAS THE ORIGINAL ENGINEERING FIRM CONTRACTED TO CORRECT PROBLEM. G & E ENGINEERING IS THE CURRENT ENGINEERING FIRM WORKING ONSITE. FIRM IS PRESENTLY RECOVERING PRODUCT, SEPARATING IT, AND AIR STRIPPING G.W. BEFORE DISCHARGING. 06/26/89 PROBLEM WAS APPARENTLY THERE BEFORE MS. BAKER PURCHASED THE STATION. MOBIL IS HANDLING ALL ASPECTS OF REMEDIATION, INCLUDING ASSUMING FINANCIAL RESPONSIBILITY. CONTACT PERSON AT MOBIL IS MICHELLE COWHERD. SHE MAY BE REACHED AT 1-800-227-0707, EXTENSION 2732. 5-3-93 James Atchley Technical Branch case file opened at request of Division Chief, even though case predates program and regulation. 12/14/93 (James Atchley) Approval issued for updated assessment workplan. 2/17/94 (James Atchley) Updated assessment submitted. 4/22/94 (James Atchley) Site visit by Department personnel to inspect site and remedial program. Ongoing release from dispenser discovered, remediation equipment rusted out and not functional. 5/31/94 (James Atchley) New CAP requested. 9/19/94 (James Atchley) Approval for CAP issued. 10/31/94 (James Atchley) Corrective action report. 1/17/95 (James Atchley) Corrective action report. 4/20/95 (James Atchley) Corrective action report. 7/17/95 (James Atchley) Corrective action report in Texas format. 11/1/95 (James Atchley) Corrective action report.

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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MOBIL STATION (Continued)		S100563547
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1/18/96 (James Atchley) Corrective action report. 4/16/96 (James Atchley) Corrective action report. 10/15/96 (James Atchley) Corrective action report. 1/21/97 (James Atchley) Corrective action report. 4/18/97 (James Atchley) Corrective action report. 1/29/98 (James Atchley) Summary report on the corrective action. 5/26/98 (James Atchley) Risk assessment which recommends project closure. 6/4/98 (James Atchley) No more work. Site decom requested. 7/31/98 (James Atchley) Site decom reported out. 8-17-98 (James Atchley) File closed by our No Further Action letter this date.

LONE STAR ARMY AMMUNITION PLANT TWELVE MILES WEST OF TEXARKANA TX AT THE JUNCTION TEXARKANA, TX	TX Spills	S107019739 N/A
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SPILLS:

Date of Spill:	Not reported
Material:	Not reported
Media Affected:	Not reported
Facility Phone:	Not reported
Seq Num:	Not reported
District:	Not reported
Origin:	Not reported
Cause:	Not reported
Adequate Clean:	Not reported
Basin Name :	Not reported
Respsnl Party:	Not reported
Water Affected:	Not reported
Material Code:	Not reported
Permit Number:	Not reported
Basin Code:	Not reported
Notify Date:	Not reported
Classification:	Not reported
Amnt Spilled:	Not reported
Amnt in Water:	Not reported
Lat/Long:	Not reported
Interim Report:	Not reported
Information Final:	Not reported
Coordinator:	Not reported
Spill Time:	Not reported
Time Reported:	Not reported
Incident Number :	21499
Incident Type :	Emergency Response
Importance Level :	0
Received Date :	Not reported
Start Date :	04/01/03
Status Date :	05/28/03
Media Name :	WASTE
RN Number :	RN101225464
Customer Name :	DAY AND ZIMMERMANN INCORPORATED
Customer 2 :	Not reported
Num Complaining :	0
Frequency :	PAST
Nature :	INDUSTRIAL
Air Text :	Building O-8
Incident Status :	Closed
Disputed Status :	Pending Verification

DETAILED ORPHAN LISTING

Site	Database(s)	EDR ID Number EPA ID Number
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LONE STAR ARMY AMMUNITION PLANT (Continued)

S107019739

Disputed Date : 05/28/2003
 Inspected By : Not reported
 Enforce : Not reported

Comments : The facility flushed the area where the waste water discharged and collected all of the waster. The water was disposed of in the industrial sewer for the O- Plant. The clean up was confirmed with the collection of samples by LSAAP in the area of th
 e rel

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 this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD 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: 07/01/05	Source: EPA
Date Data Arrived at EDR: 08/03/05	Telephone: N/A
Date Made Active in Reports: 08/22/05	Last EDR Contact: 08/03/05
Number of Days to Update: 19	Next Scheduled EDR Contact: 10/31/05
	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: 04/27/05	Source: EPA
Date Data Arrived at EDR: 05/04/05	Telephone: N/A
Date Made Active in Reports: 05/16/05	Last EDR Contact: 08/05/05
Number of Days to Update: 12	Next Scheduled EDR Contact: 10/31/05
	Data Release Frequency: Quarterly

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: 06/27/05	Source: EPA
Date Data Arrived at EDR: 07/22/05	Telephone: 703-413-0223
Date Made Active in Reports: 08/17/05	Last EDR Contact: 09/20/05
Number of Days to Update: 26	Next Scheduled EDR Contact: 12/19/05
	Data Release Frequency: Quarterly

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/17/05
Date Data Arrived at EDR: 06/20/05
Date Made Active in Reports: 08/17/05
Number of Days to Update: 58

Source: EPA
Telephone: 703-413-0223
Last EDR Contact: 09/20/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/28/05
Date Data Arrived at EDR: 07/05/05
Date Made Active in Reports: 08/08/05
Number of Days to Update: 34

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 09/06/05
Next Scheduled EDR Contact: 12/05/05
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: 05/20/05
Date Data Arrived at EDR: 05/24/05
Date Made Active in Reports: 06/09/05
Number of Days to Update: 16

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 08/23/05
Next Scheduled EDR Contact: 10/24/05
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: 12/31/04
Date Data Arrived at EDR: 01/27/05
Date Made Active in Reports: 03/24/05
Number of Days to Update: 56

Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Last EDR Contact: 07/25/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Annually

FEDERAL ASTM SUPPLEMENTAL RECORDS

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.

Date of Government Version: 12/31/03
Date Data Arrived at EDR: 06/17/05
Date Made Active in Reports: 08/04/05
Number of Days to Update: 48

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/12/05
Next Scheduled EDR Contact: 12/12/05
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/14/04	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/15/05	Telephone: Varies
Date Made Active in Reports: 04/25/05	Last EDR Contact: 07/25/05
Number of Days to Update: 69	Next Scheduled EDR Contact: 10/24/05
	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: 06/08/05	Source: EPA
Date Data Arrived at EDR: 07/11/05	Telephone: 703-416-0223
Date Made Active in Reports: 08/08/05	Last EDR Contact: 07/06/05
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/03/05
	Data Release Frequency: Annually

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: 07/01/05	Source: EPA
Date Data Arrived at EDR: 08/03/05	Telephone: N/A
Date Made Active in Reports: 08/22/05	Last EDR Contact: 08/03/05
Number of Days to Update: 19	Next Scheduled EDR Contact: 10/31/05
	Data Release Frequency: Quarterly

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: 07/11/05	Source: EPA
Date Data Arrived at EDR: 07/19/05	Telephone: (214) 665-2200
Date Made Active in Reports: 08/08/05	Last EDR Contact: 07/05/05
Number of Days to Update: 20	Next Scheduled EDR Contact: 10/03/05
	Data Release Frequency: Quarterly

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 06/27/05	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 07/22/05	Telephone: 202-366-4555
Date Made Active in Reports: 09/01/05	Last EDR Contact: 07/22/05
Number of Days to Update: 41	Next Scheduled EDR Contact: 10/17/05
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/14/05
Date Data Arrived at EDR: 07/22/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 31

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 07/05/05
Next Scheduled EDR Contact: 10/03/05
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: 05/13/05
Date Data Arrived at EDR: 06/27/05
Date Made Active in Reports: 08/08/05
Number of Days to Update: 42

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/27/05
Next Scheduled EDR Contact: 12/26/05
Data Release Frequency: Semi-Annually

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Date Data Arrived at EDR: 02/02/94
Date Made Active in Reports: 03/30/94
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/22/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: No Update Planned

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: 03/30/05
Date Data Arrived at EDR: 05/10/05
Date Made Active in Reports: 05/24/05
Number of Days to Update: 14

Source: EPA
Telephone: 202-564-3887
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Annually

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: 10/01/03
Date Data Arrived at EDR: 11/12/03
Date Made Active in Reports: 11/21/03
Number of Days to Update: 9

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 08/09/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-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. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 12/29/04
Date Data Arrived at EDR: 01/07/05
Date Made Active in Reports: 03/14/05
Number of Days to Update: 66

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/30/85
Date Data Arrived at EDR: 08/09/04
Date Made Active in Reports: 09/17/04
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 05/23/95
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

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: 12/31/04
Date Data Arrived at EDR: 06/29/05
Date Made Active in Reports: 08/08/05
Number of Days to Update: 40

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/29/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Varies

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: 10/01/03
Date Data Arrived at EDR: 11/12/03
Date Made Active in Reports: 11/21/03
Number of Days to Update: 9

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 08/09/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Semi-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: 01/10/05
Date Data Arrived at EDR: 02/11/05
Date Made Active in Reports: 04/06/05
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 703-603-8867
Last EDR Contact: 07/05/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Varies

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: 04/17/95
Date Data Arrived at EDR: 07/03/95
Date Made Active in Reports: 08/07/95
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 09/06/05
Next Scheduled EDR Contact: 12/05/05
Data Release Frequency: No Update Planned

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: 12/31/03
Date Data Arrived at EDR: 07/13/05
Date Made Active in Reports: 08/17/05
Number of Days to Update: 35

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/02
Date Data Arrived at EDR: 04/27/04
Date Made Active in Reports: 05/21/04
Number of Days to Update: 24

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 07/18/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Every 4 Years

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

Date of Government Version: 07/15/05
Date Data Arrived at EDR: 07/25/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 28

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
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: 12/31/03
Date Data Arrived at EDR: 01/03/05
Date Made Active in Reports: 01/25/05
Number of Days to Update: 22

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/18/05
Next Scheduled EDR Contact: 10/17/05
Data Release Frequency: Annually

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: 07/15/05
Date Data Arrived at EDR: 07/25/05
Date Made Active in Reports: 08/22/05
Number of Days to Update: 28

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

STATE OF TEXAS ASTM STANDARD RECORDS

SHWS: State Superfund Registry

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: 06/15/05
Date Data Arrived at EDR: 08/12/05
Date Made Active in Reports: 09/08/05
Number of Days to Update: 27

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5680
Last EDR Contact: 07/18/05
Next Scheduled EDR Contact: 10/10/05
Data Release Frequency: Semi-Annually

SWF/LF: Permitted Solid Waste Facilities

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/11/05
Date Data Arrived at EDR: 04/07/05
Date Made Active in Reports: 04/14/05
Number of Days to Update: 7

Source: Texas Commission on Environmental Quality
Telephone: 512-239-6706
Last EDR Contact: 08/22/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Quarterly

CLI: Closed Landfill Inventory

Closed and abandoned landfills (permitted as well as unauthorized) across the state of Texas.

Date of Government Version: 08/30/99
Date Data Arrived at EDR: 09/28/00
Date Made Active in Reports: 10/30/00
Number of Days to Update: 32

Source: Texas Commission on Environmental Quality
Telephone: 512-239-6016
Last EDR Contact: 08/01/05
Next Scheduled EDR Contact: 10/31/05
Data Release Frequency: Varies

LTANKS: Leaking Petroleum Storage Tank Database

An inventory of reported leaking petroleum storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 07/08/05
Date Data Arrived at EDR: 08/04/05
Date Made Active in Reports: 08/19/05
Number of Days to Update: 15

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2200
Last EDR Contact: 07/25/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Quarterly

UST: Petroleum Storage Tank Database

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

Date of Government Version: 07/29/05
Date Data Arrived at EDR: 08/04/05
Date Made Active in Reports: 09/07/05
Number of Days to Update: 34

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2160
Last EDR Contact: 07/25/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Quarterly

INDIAN UST: USTs on Indian Land

Date of Government Version: 01/04/05
Date Data Arrived at EDR: 01/14/05
Date Made Active in Reports: 03/03/05
Number of Days to Update: 48

Source: Environmental Protection Agency, Region 6
Telephone: 214-665-7591
Last EDR Contact: 08/25/05
Next Scheduled EDR Contact: 11/21/05
Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Database

The Texas Voluntary Cleanup Program was established to provide administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas.

Date of Government Version: 07/21/05
Date Data Arrived at EDR: 08/03/05
Date Made Active in Reports: 08/19/05
Number of Days to Update: 16

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5891
Last EDR Contact: 08/03/05
Next Scheduled EDR Contact: 10/31/05
Data Release Frequency: Quarterly

STATE OF TEXAS ASTM SUPPLEMENTAL RECORDS

AST: Petroleum Storage Tank Database

Registered Aboveground Storage Tanks.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/29/05
Date Data Arrived at EDR: 08/04/05
Date Made Active in Reports: 09/07/05
Number of Days to Update: 34

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2160
Last EDR Contact: 07/25/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Quarterly

SPILLS: Spills Database

Date of Government Version: 07/19/05
Date Data Arrived at EDR: 08/23/05
Date Made Active in Reports: 09/28/05
Number of Days to Update: 36

Source: Texas Commission on Environmental Quality
Telephone: 512-239-0983
Last EDR Contact: 09/19/05
Next Scheduled EDR Contact: 12/19/05
Data Release Frequency: Quarterly

IOP: Innocent Owner/Operator Program

Contains information on all sites that are in the IOP. An IOP is an innocent owner or operator whose property is contaminated as a result of a release or migration of contaminants from a source or sources not located on the property, and they did not cause or contribute to the source or sources of contamination.

Date of Government Version: 07/21/05
Date Data Arrived at EDR: 08/09/05
Date Made Active in Reports: 09/08/05
Number of Days to Update: 30

Source: Texas Commission on Environmental Quality
Telephone: 512-239-5894
Last EDR Contact: 08/09/05
Next Scheduled EDR Contact: 11/07/05
Data Release Frequency: Quarterly

DRYCLEANERS: Drycleaner Registration Database Listing

A listing of drycleaning facilities.

Date of Government Version: 07/14/05
Date Data Arrived at EDR: 07/15/05
Date Made Active in Reports: 08/11/05
Number of Days to Update: 27

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2160
Last EDR Contact: 07/05/05
Next Scheduled EDR Contact: 10/03/05
Data Release Frequency: Varies

ED AQUIF: Edwards Aquifer Permits

A listing of permits in the Edwards Aquifer Protection Program database. The information provided is for the counties located in the Austin Region (Hays, Travis, and Williamson counties).

Date of Government Version: 08/09/05
Date Data Arrived at EDR: 08/10/05
Date Made Active in Reports: 09/08/05
Number of Days to Update: 29

Source: Texas Commission on Environmental Quality, Austin Region
Telephone: 512-339-2929
Last EDR Contact: 07/25/05
Next Scheduled EDR Contact: 10/24/05
Data Release Frequency: Varies

ENF: Notice of Violations Listing

A listing of permit violations.

Date of Government Version: 07/13/05
Date Data Arrived at EDR: 08/02/05
Date Made Active in Reports: 08/19/05
Number of Days to Update: 17

Source: Texas Commission on Environmental Quality
Telephone: 512-239-6012
Last EDR Contact: 09/06/05
Next Scheduled EDR Contact: 12/05/05
Data Release Frequency: Semi-Annually

Ind. Haz Waste: Industrial & Hazardous Waste Database

Summary reports reported by waste handlers, generators and shippers in Texas.

Date of Government Version: 12/31/04
Date Data Arrived at EDR: 05/16/05
Date Made Active in Reports: 06/09/05
Number of Days to Update: 24

Source: Texas Commission on Environmental Quality
Telephone: 512-239-0985
Last EDR Contact: 08/01/05
Next Scheduled EDR Contact: 10/31/05
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

WASTEMGT: Commercial Hazardous & Solid Waste Management Facilities

This list contains commercial recycling facilities and facilities permitted or authorized (interim status) by the Texas Natural Resource Conservation Commission.

Date of Government Version: 11/01/03
Date Data Arrived at EDR: 02/17/04
Date Made Active in Reports: 03/04/04
Number of Days to Update: 16

Source: Texas Commission on Environmental Quality
Telephone: 512-239-2920
Last EDR Contact: 08/02/05
Next Scheduled EDR Contact: 10/31/05
Data Release Frequency: Varies

AIRS: Current Emission Inventory Data

The database lists by company, along with their actual emissions, the TNRCC air accounts that emit EPA criteria pollutants.

Date of Government Version: 07/25/03
Date Data Arrived at EDR: 07/28/03
Date Made Active in Reports: 08/20/03
Number of Days to Update: 23

Source: Texas Commission on Environmental Quality
Telephone: N/A
Last EDR Contact: 07/13/05
Next Scheduled EDR Contact: 10/10/05
Data Release Frequency: Semi-Annually

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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BROWNFIELDS DATABASES

Brownfields: Brownfields Site Assessments

Brownfield site assessments that are being cleaned under EPA grant monies.

Date of Government Version: 07/21/05
Date Data Arrived at EDR: 08/03/05
Date Made Active in Reports: 08/19/05
Number of Days to Update: 16

Source: TCEQ
Telephone: 512-239-5872
Last EDR Contact: 08/03/05
Next Scheduled EDR Contact: 10/31/05
Data Release Frequency: Semi-Annually

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: 01/10/05	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/19/05	Telephone: 202-566-2777
Date Made Active in Reports: 04/01/05	Last EDR Contact: 08/11/05
Number of Days to Update: 72	Next Scheduled EDR Contact: 12/12/05
	Data Release Frequency: Semi-Annually

AUL: Sites with Controls

Activity and use limitations include both engineering controls and institutional controls.

Date of Government Version: 07/21/05	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 08/03/05	Telephone: 512-239-5891
Date Made Active in Reports: 08/19/05	Last EDR Contact: 08/03/05
Number of Days to Update: 16	Next Scheduled EDR Contact: 10/31/05
	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: 01/10/05	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/11/05	Telephone: 703-603-8867
Date Made Active in Reports: 04/06/05	Last EDR Contact: 07/05/05
Number of Days to Update: 54	Next Scheduled EDR Contact: 10/03/05
	Data Release Frequency: Varies

VCP: Voluntary Cleanup Program Database

The Texas Voluntary Cleanup Program was established to provide administrative, technical, and legal incentives to encourage the cleanup of contaminated sites in Texas.

Date of Government Version: 07/21/05	Source: Texas Commission on Environmental Quality
Date Data Arrived at EDR: 08/03/05	Telephone: 512-239-5891
Date Made Active in Reports: 08/19/05	Last EDR Contact: 08/03/05
Number of Days to Update: 16	Next Scheduled EDR Contact: 10/31/05
	Data Release Frequency: Quarterly

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Daycare Centers: Child Care Facility List

Source: Department of Protective & Regulatory Services

Telephone: 512-438-3269

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 from the U.S. Fish and Wildlife Service.

STREET AND ADDRESS INFORMATION

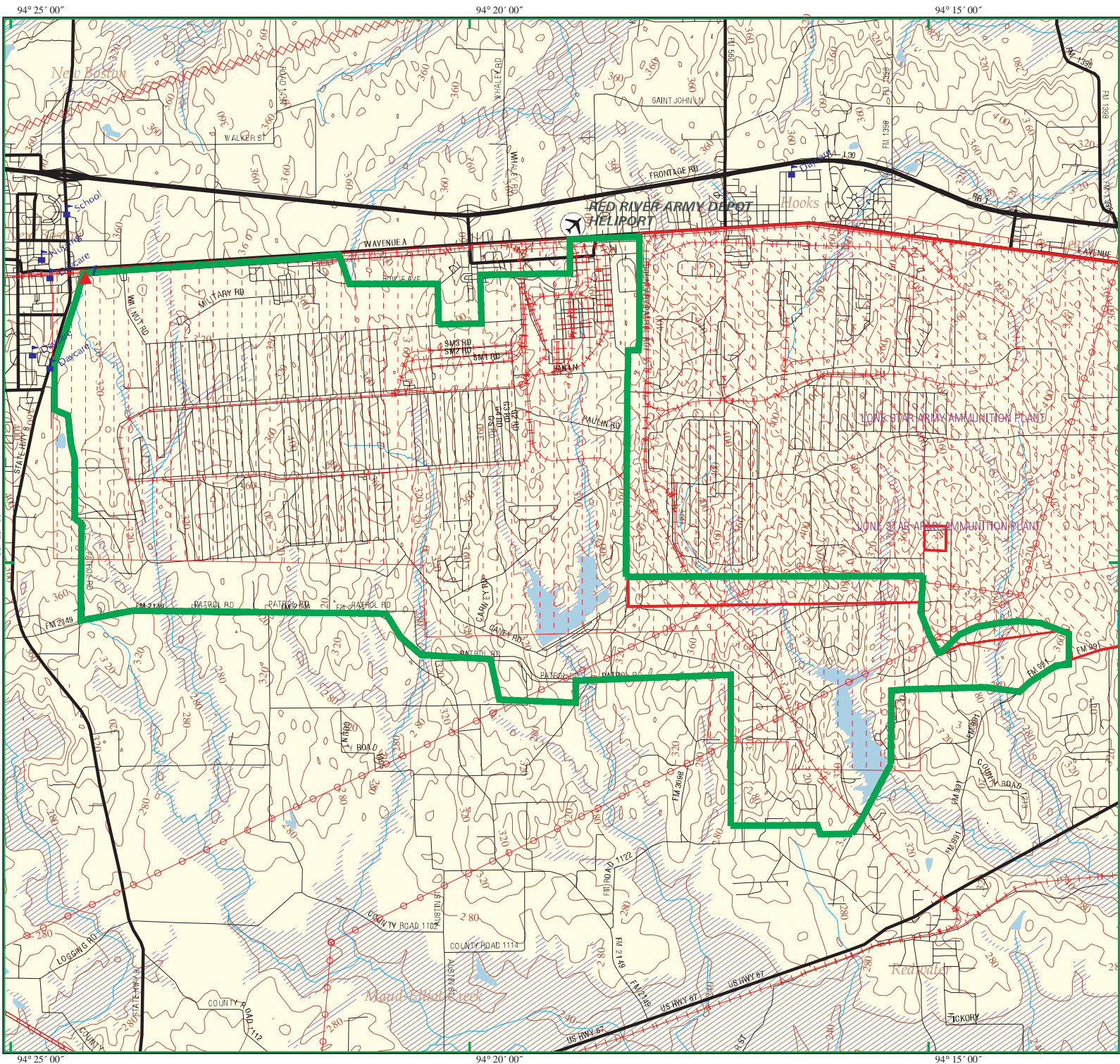
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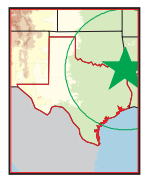
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Red River Army Depot

- Listed Sites
- Earthquake Epicenters (Richter 5 or greater)
- Search Boundary
- Roads
- Major Roads
- Waterways
- Railroads
- Contour Lines
- Pipelines
- Powerlines
- Fault Lines
- Water
- Superfund Sites
- Federal DOD Sites
- Indian Reservations BIA
- 100-Yr Flood Zones



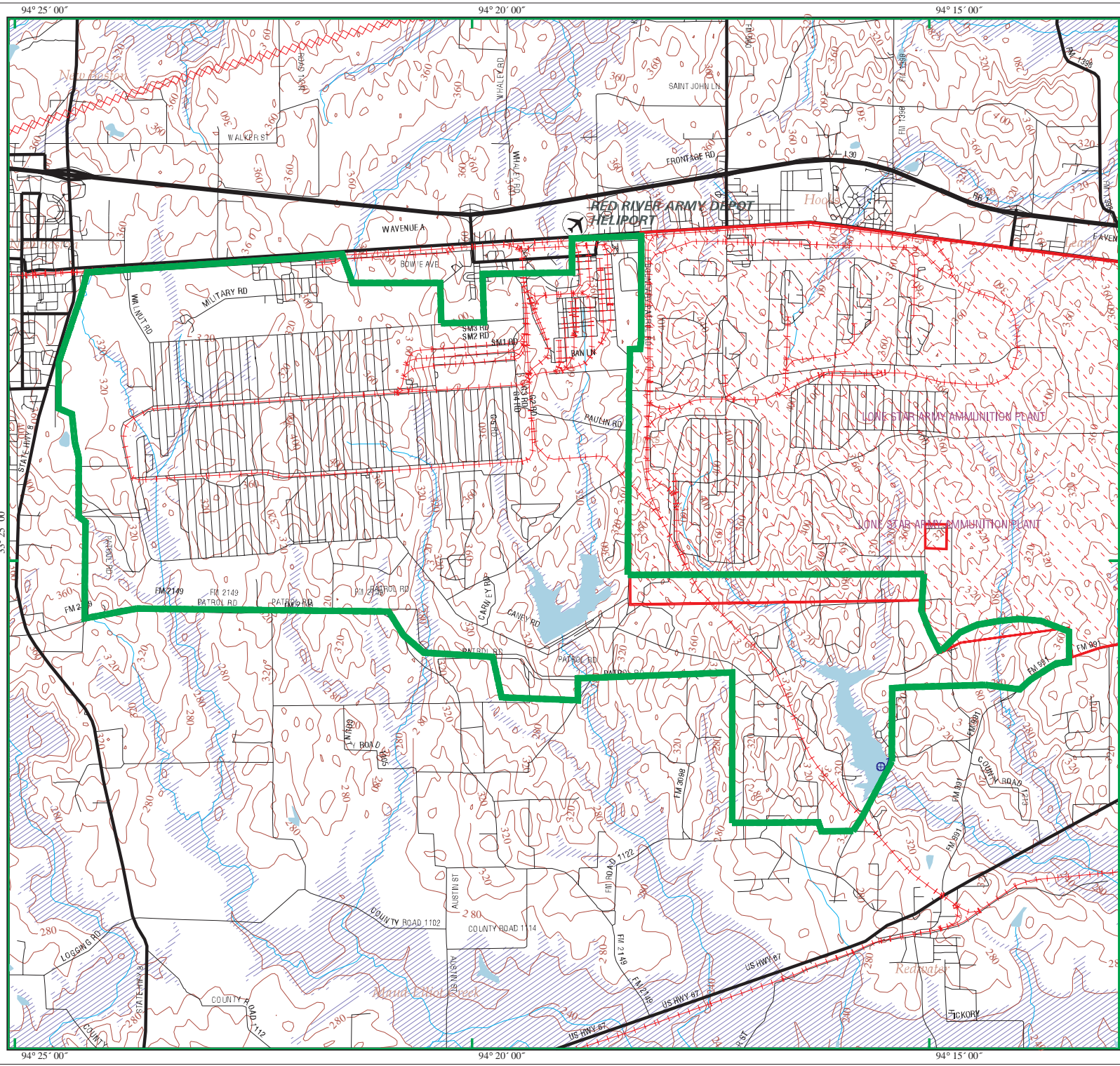
Texarkana, TX



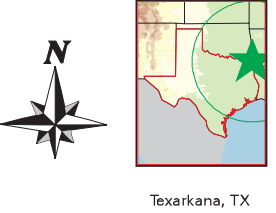
Scale in Miles



Red River Army Depot



- Listed Water Wells
- Study Boundary
- Roads
- Major Roads
- Waterways
- Railroads
- Contour Lines
- Fault Lines
- Water
- Superfund Sites
- 100-Yr Flood Zones



Texarkana, TX



Scale in Miles





"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Denise Tegtmeyer Malcolm Pirnie, Inc. 300 East Lombard Street Baltimore, MD 21202	Order Date: 9/28/2005 Completion Date: 9/29/2005
	Inquiry #: 1520905.4s
	P.O. #: na
	Site Name: Red River Army Depot
	Address: Red River Army Depot
	City/State: Texarkana, TX 75501
Customer Project: na 1341861MEN 410-230-0680	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.



EDR® Environmental
Data Resources Inc

**EDR Historical
Topographic Map
Report**

**Red River Army Depot
Red River Army Depot
Texarkana, TX 75501**

Inquiry Number: 1520905.5

September 29, 2005

**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

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.'s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property, and its surrounding area, resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources*. *Reasonably ascertainable is defined as information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.* To meet the prior use requirements of ASTM E 1527-00, Section 7.3.4, the following *standard historical sources* may be used: aerial photographs, city directories, fire insurance maps, topographic maps, property tax files, land title records (although these cannot be the sole historical source consulted), building department records, or zoning/and use records. ASTM E 1527-00 requires *"All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful."* (ASTM E 1527-00, Section 7.3.2 page 12.)

EDR's Historical Topographic Map Report includes a search of available public and private color historical topographic map collections.

Topographic Maps

A topographic map (topo) is a color coded line-and-symbol representation of natural and selected artificial features plotted to a scale. Topos show the shape, elevation, and development of the terrain in precise detail by using contour lines and color coded symbols. Many features are shown by lines that may be straight, curved, solid, dashed, dotted, or in any combination. The colors of the lines usually indicate similar classes of information. For example, topographic contours (brown); lakes, streams, irrigation ditches, etc. (blue); land grids and important roads (red); secondary roads and trails, railroads, boundaries, etc. (black); and features that have been updated using aerial photography, but not field verified, such as disturbed land areas (e.g., gravel pits) and newly developed water bodies (purple).

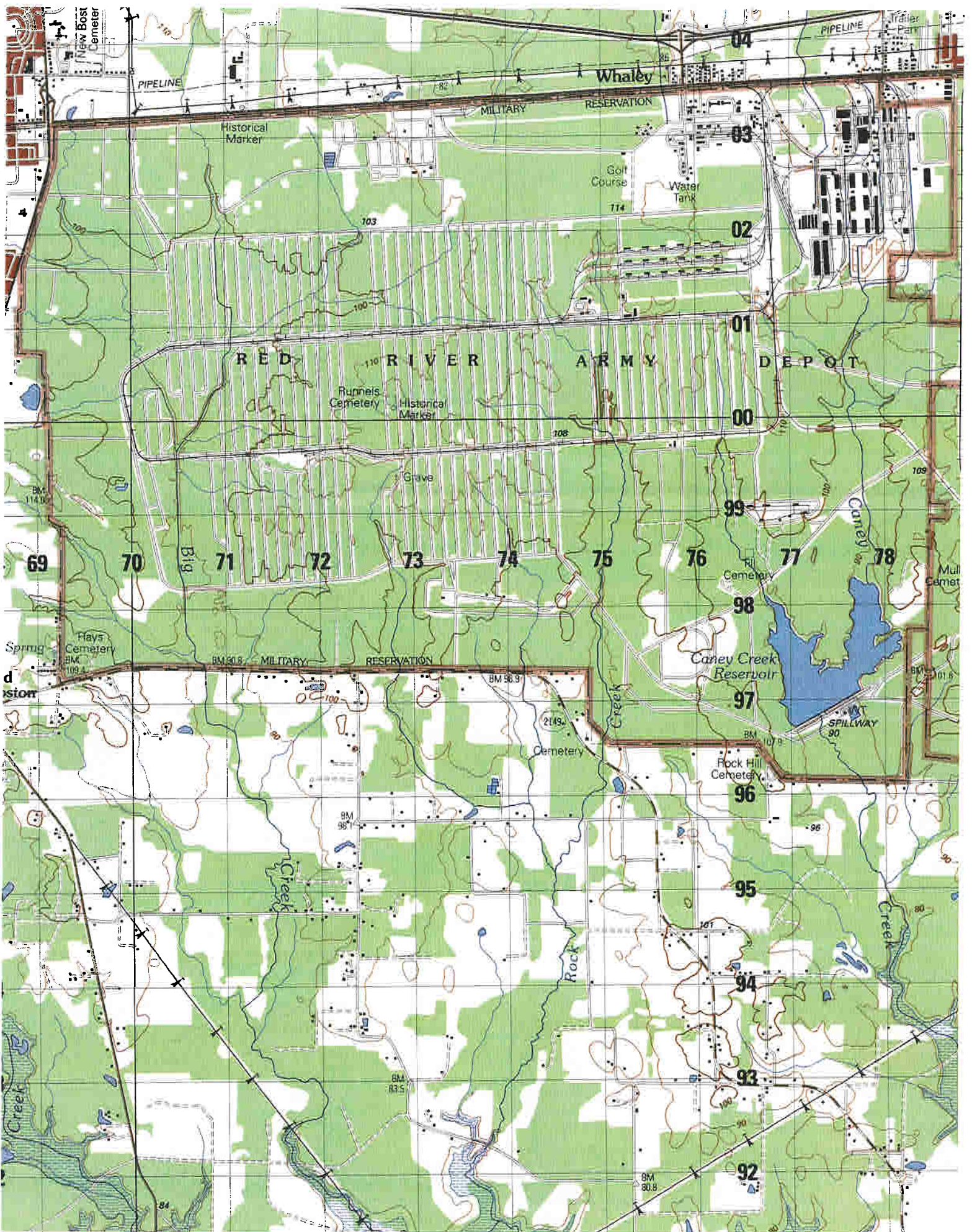
For more than a century, the USGS has been creating and revising topographic maps for the entire country at a variety of scales. There are about 60,000 U.S. Geological Survey (USGS) produced topo maps covering the United States. Each map covers a specific quadrangle (quad) defined as a four-sided area bounded by latitude and longitude. Historical topographic maps are a valuable historical resource for documenting the prior use of a property and its surrounding area, and due to their frequent availability can be particularly helpful when other standard historical sources (such as city directories, fire insurance maps, or aerial photographs) are not reasonably ascertainable.

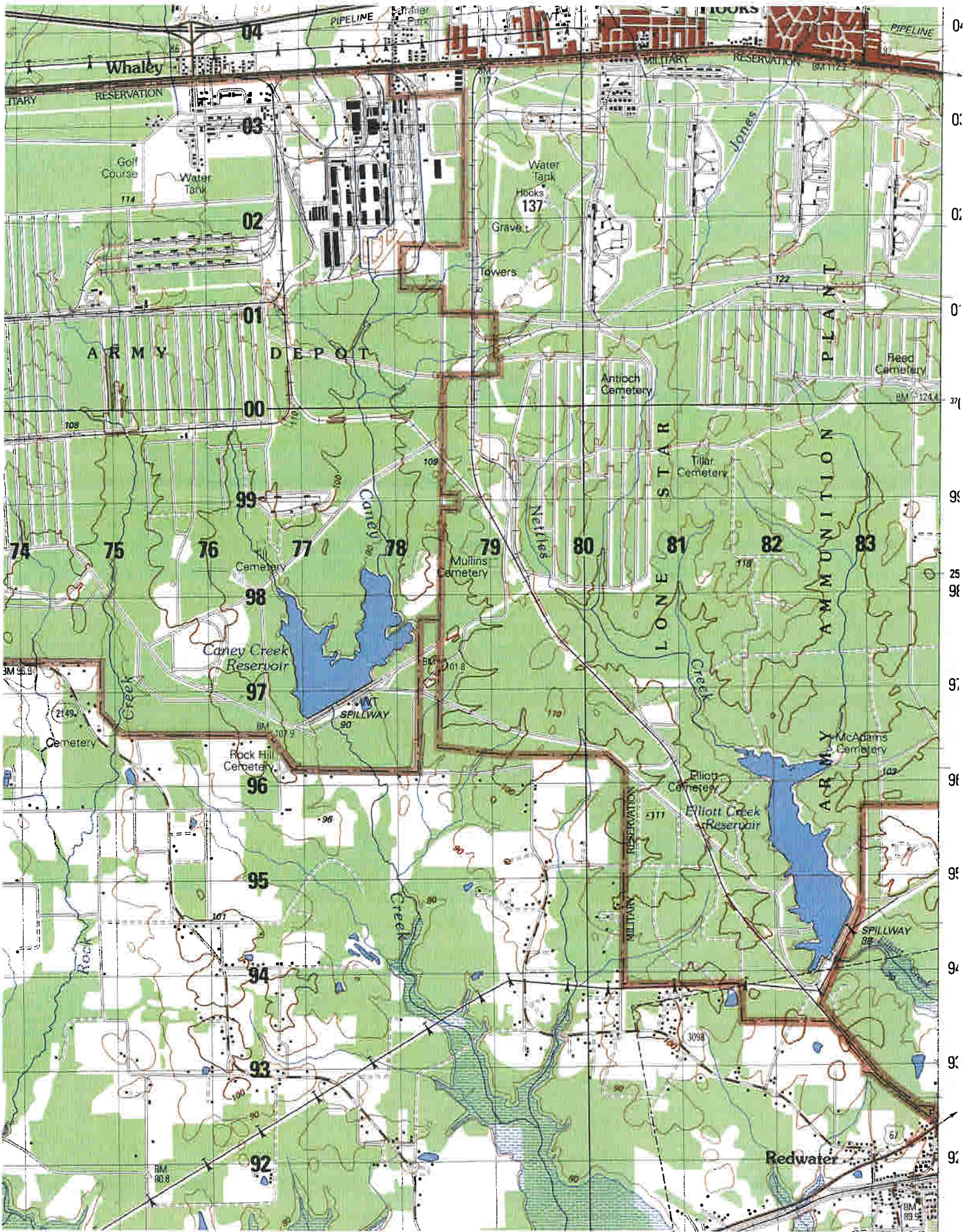
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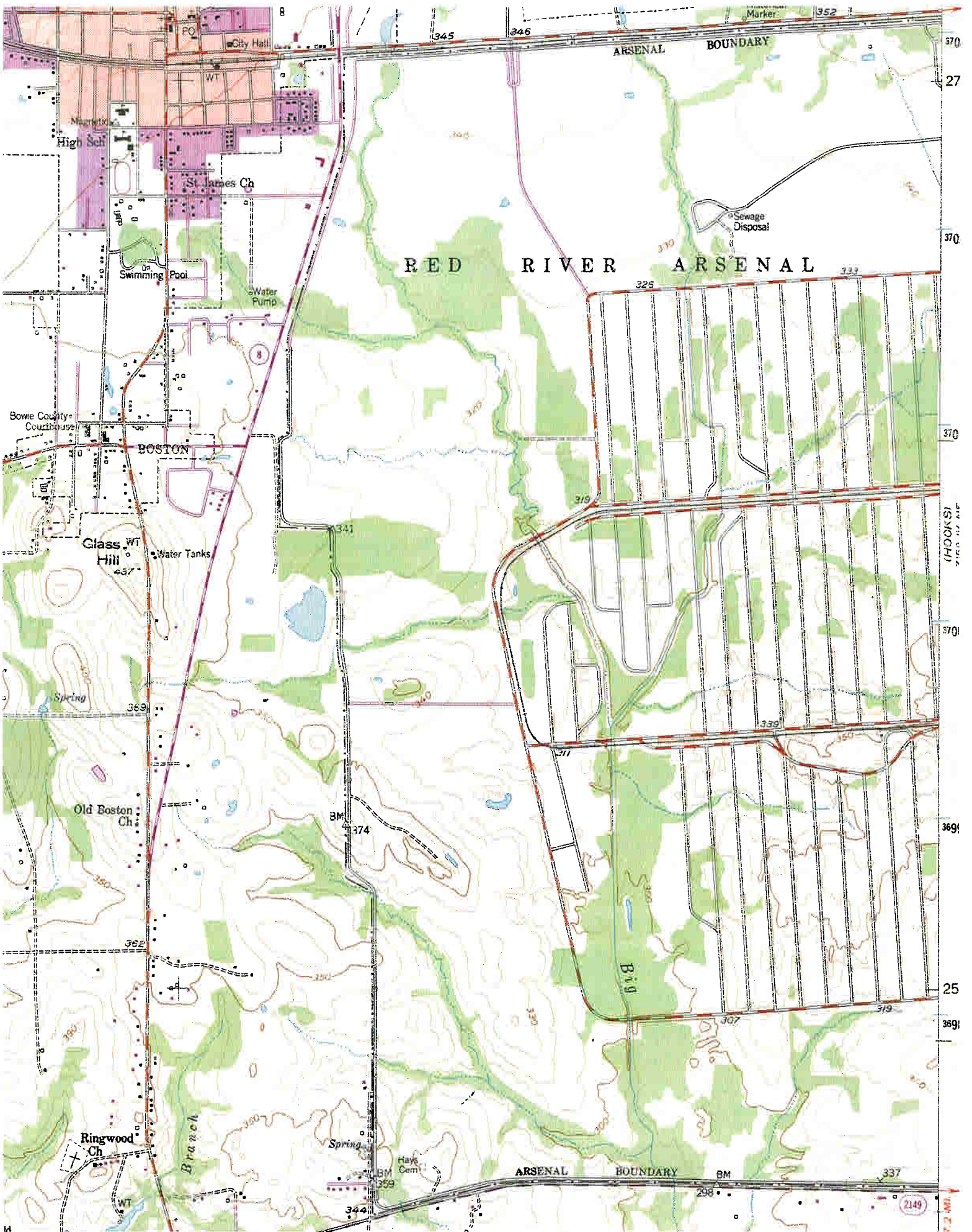
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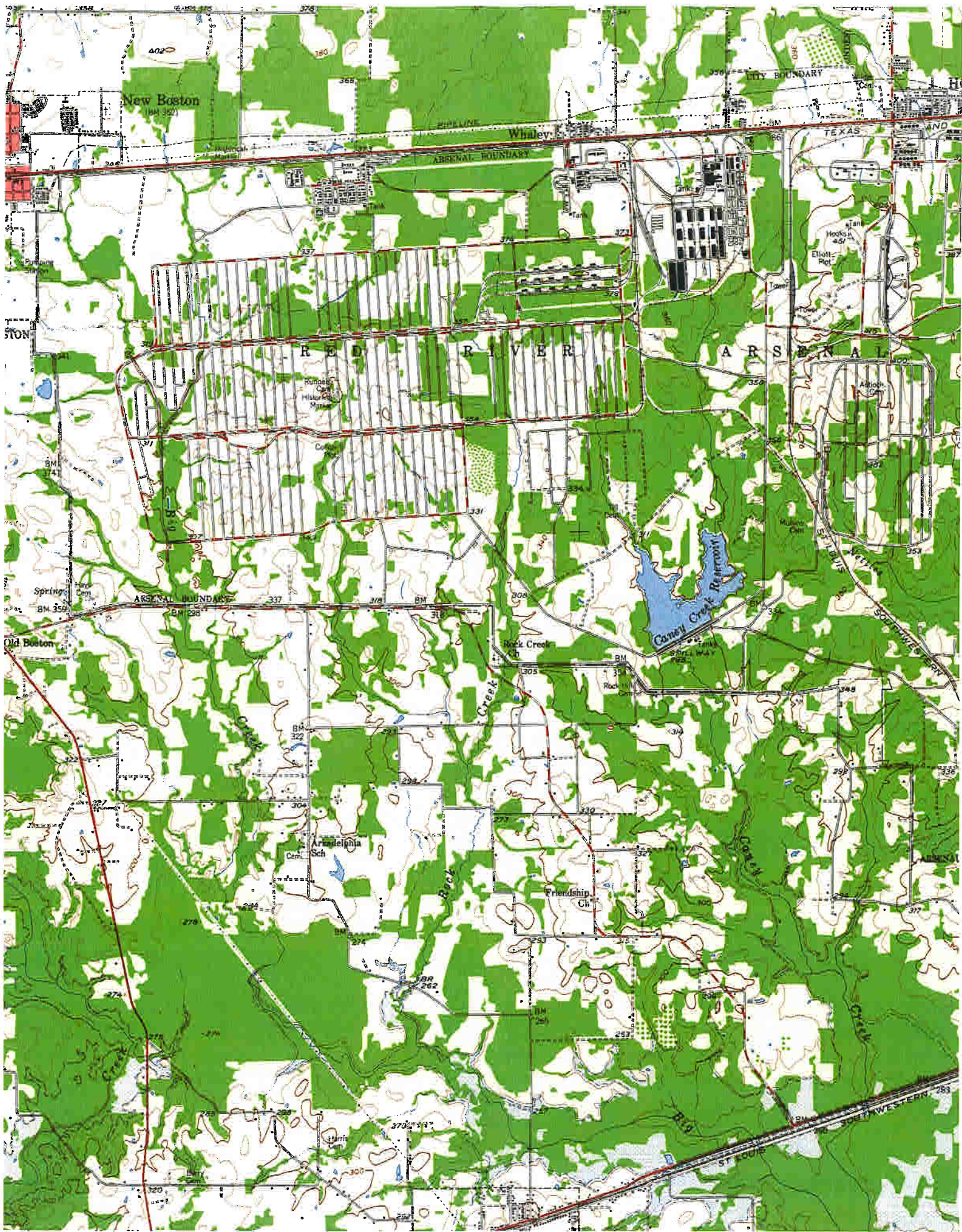
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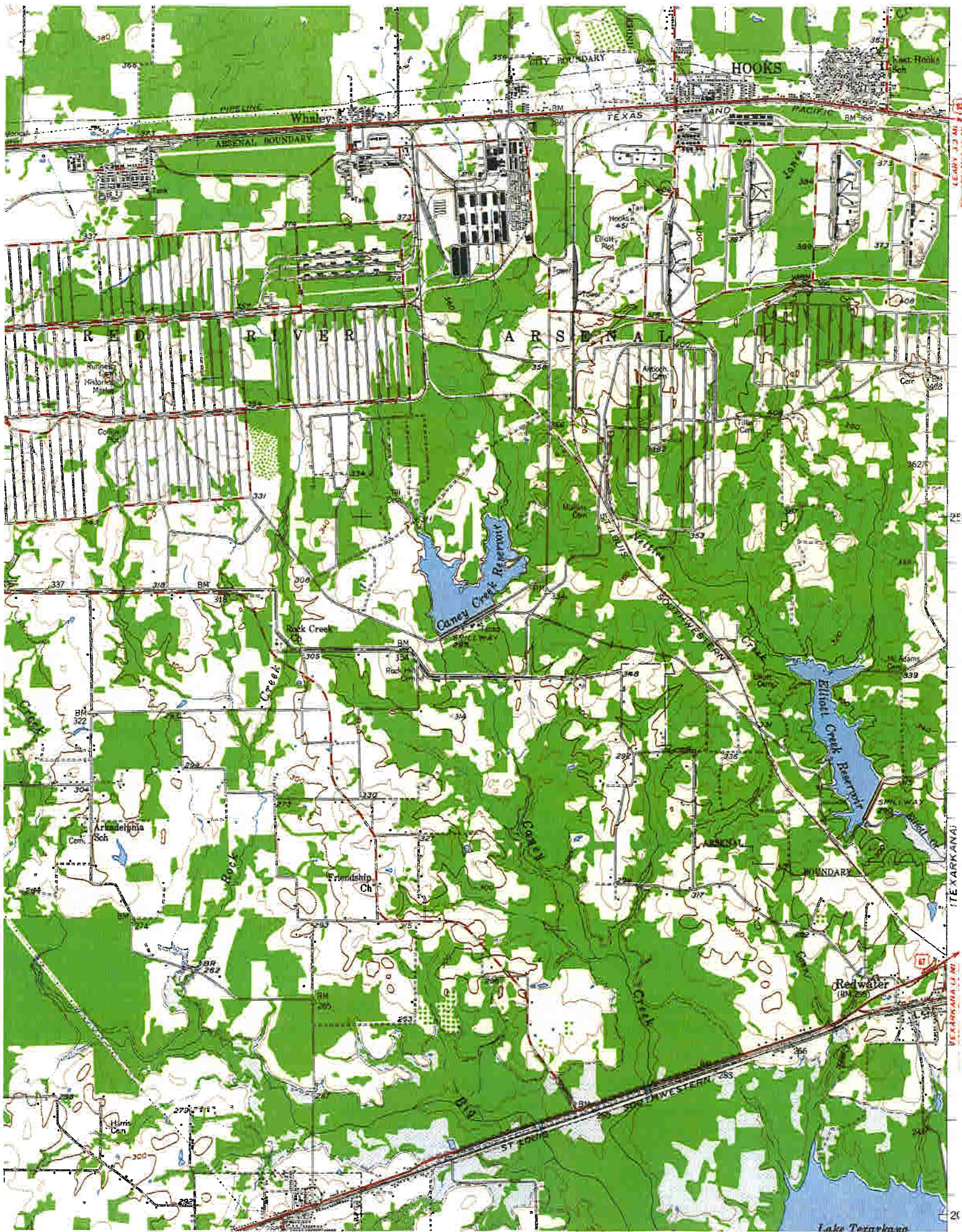
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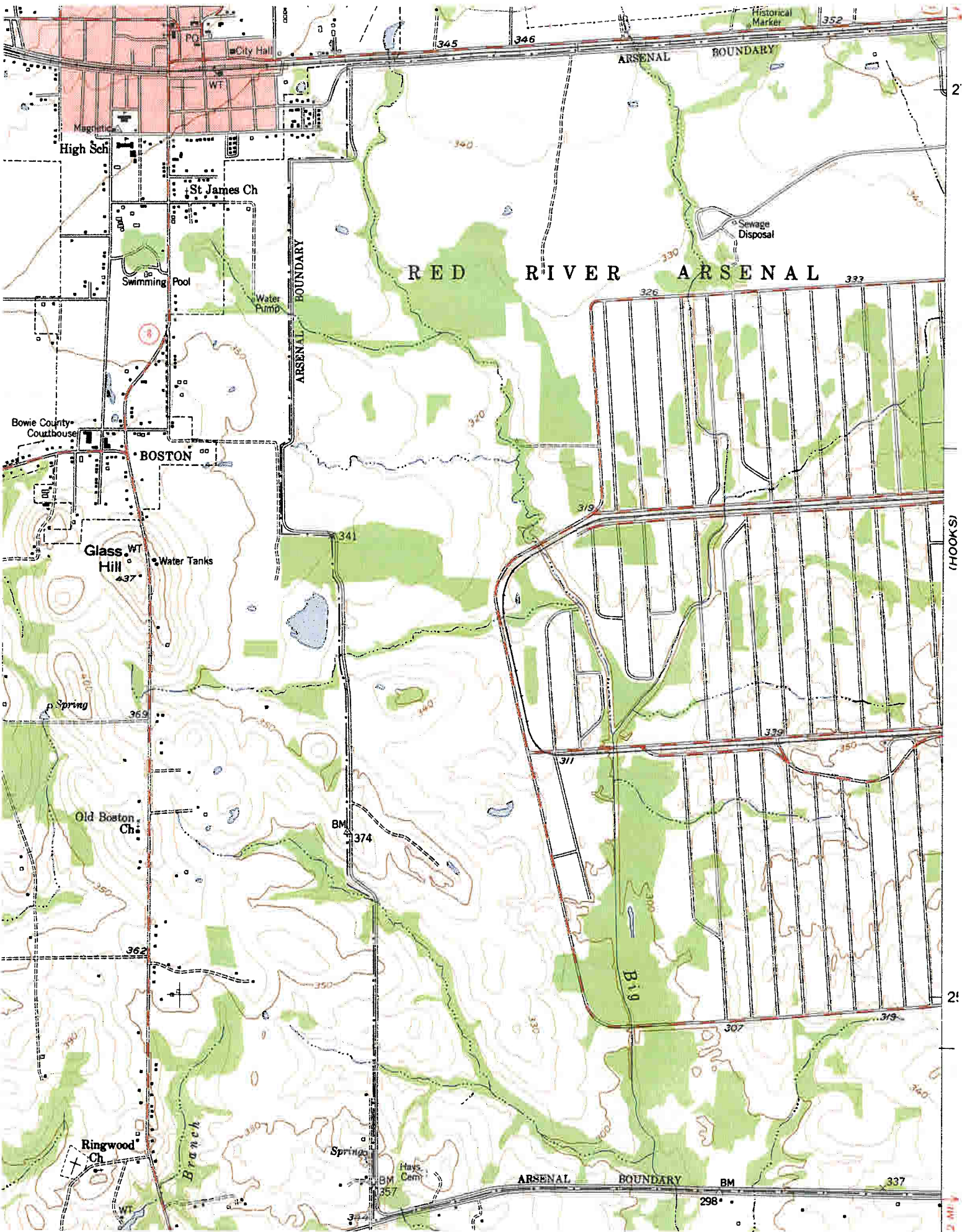


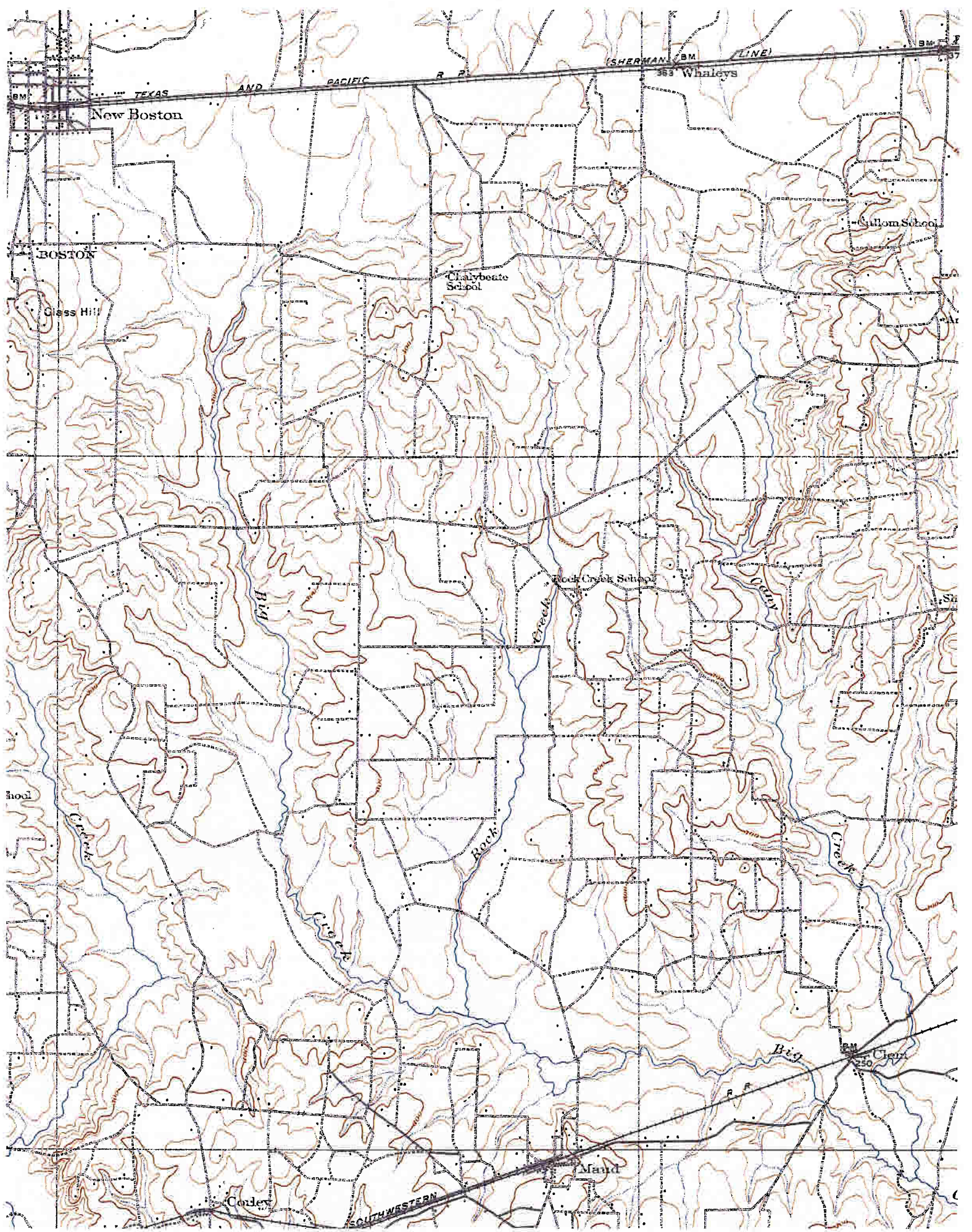


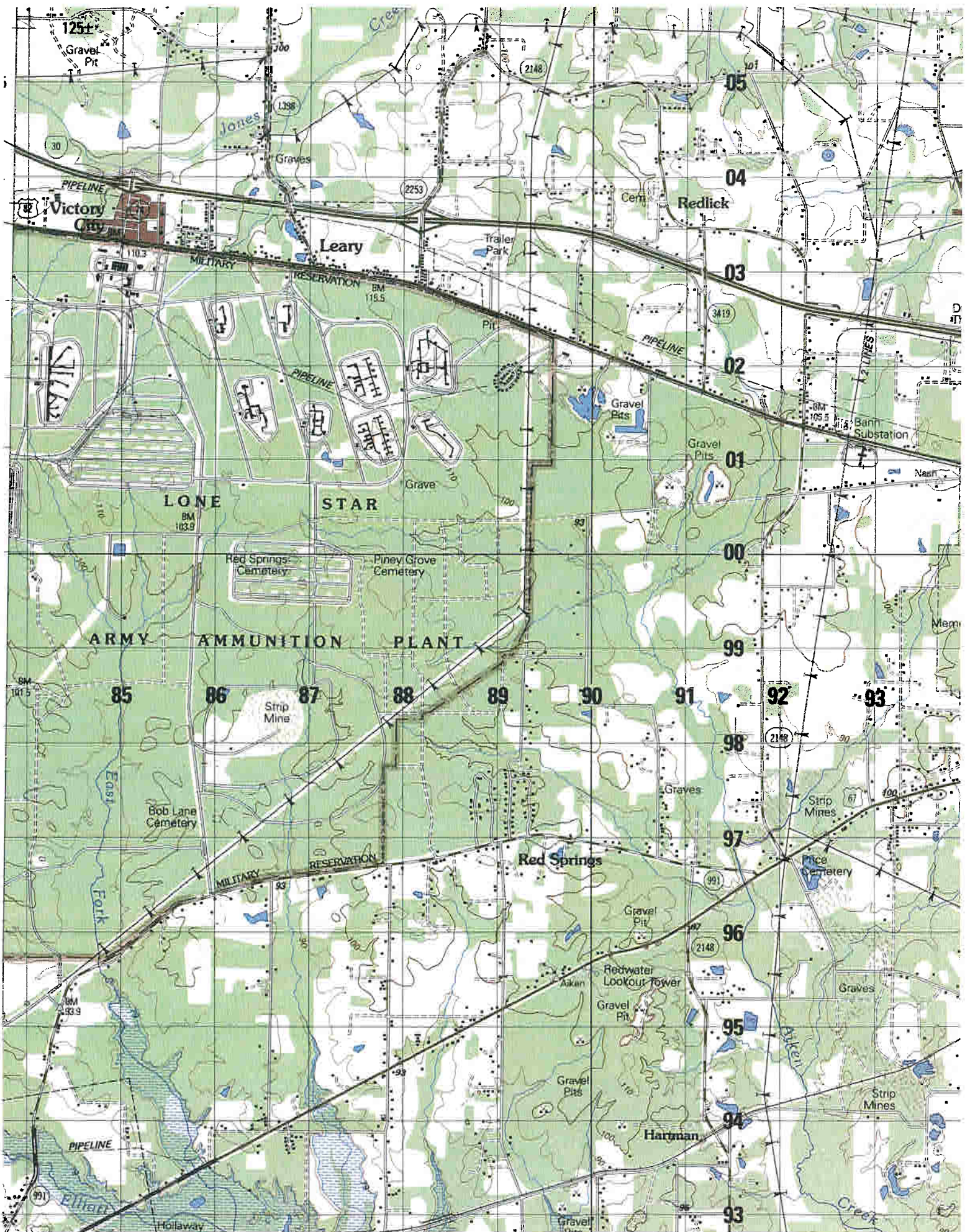


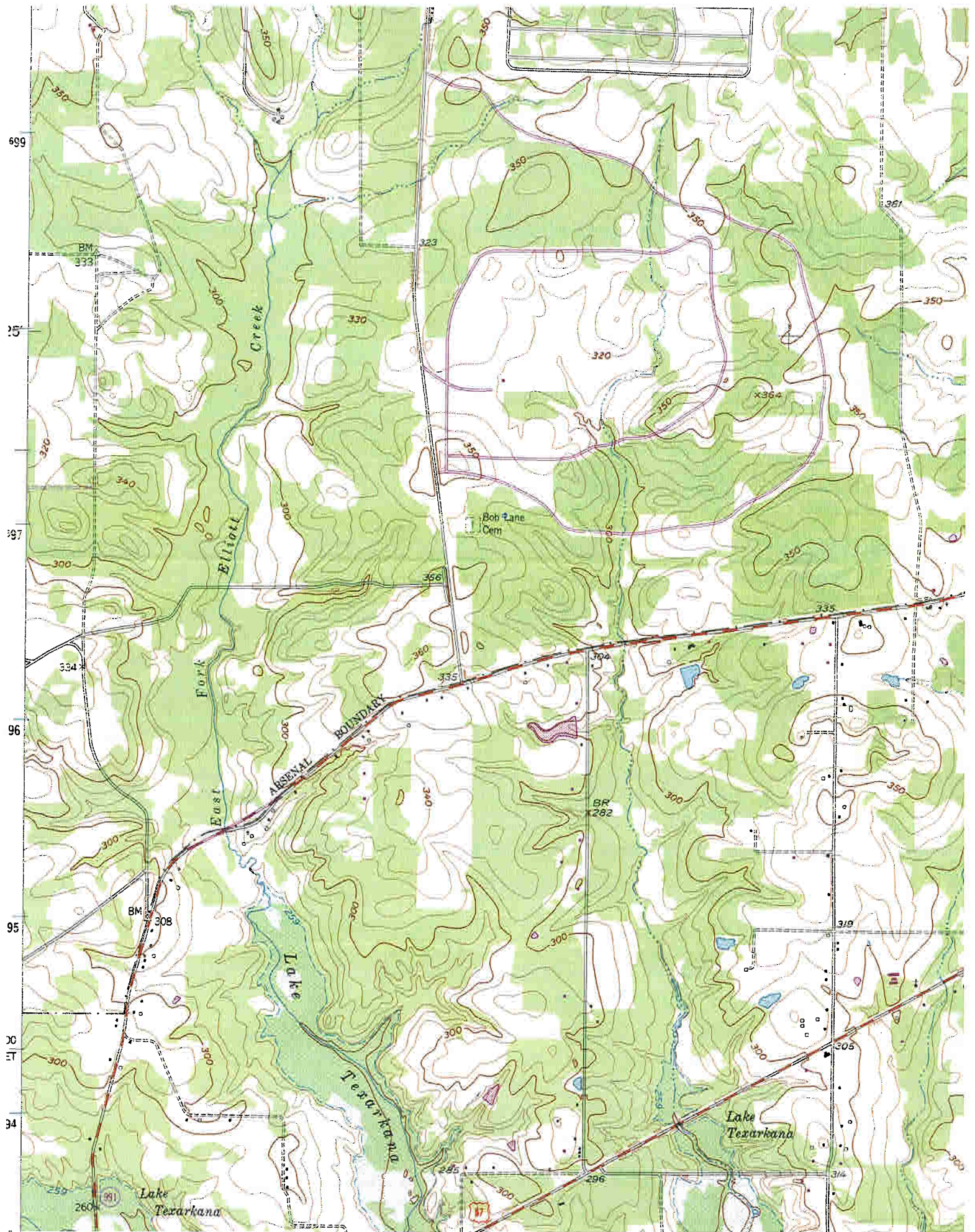


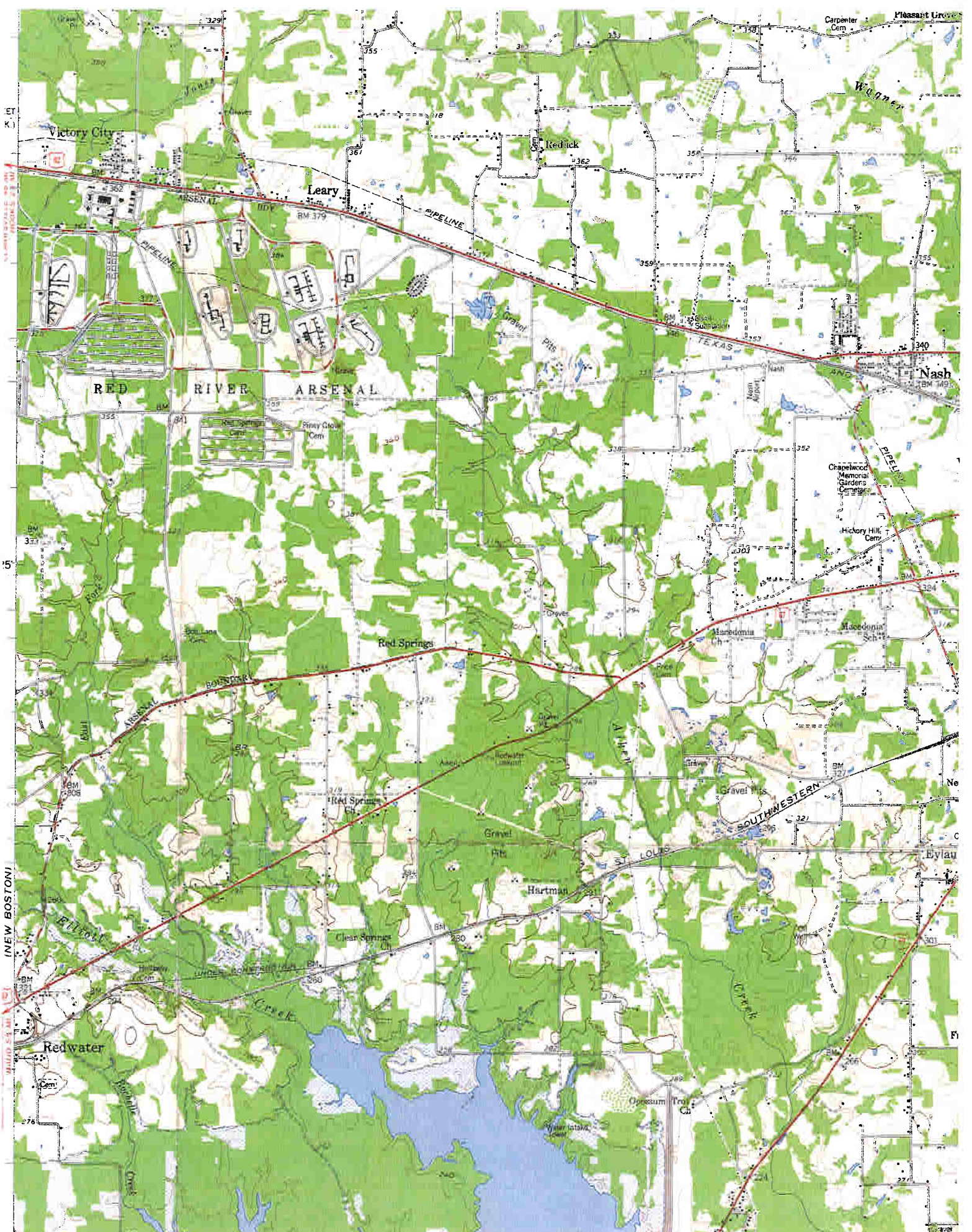


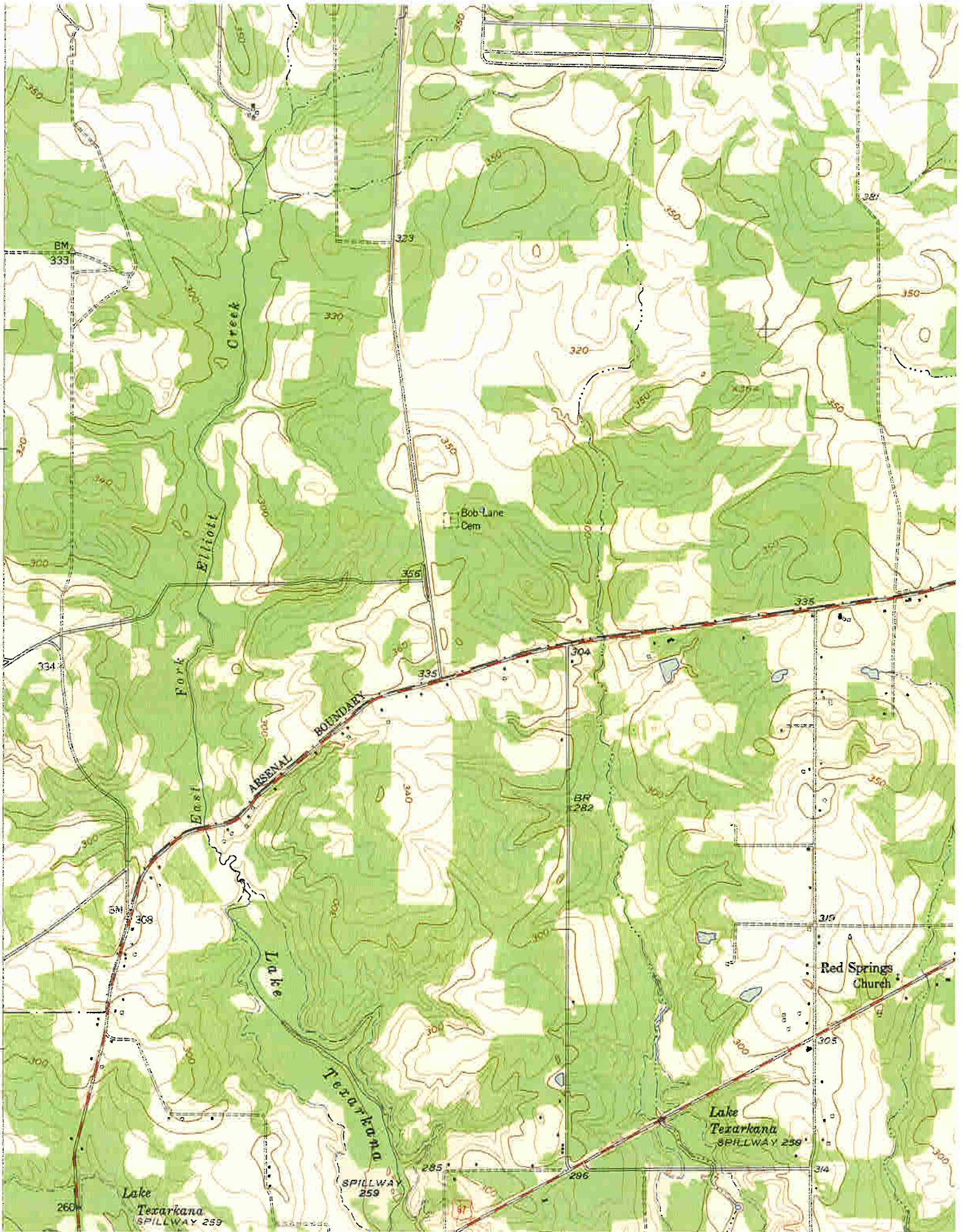


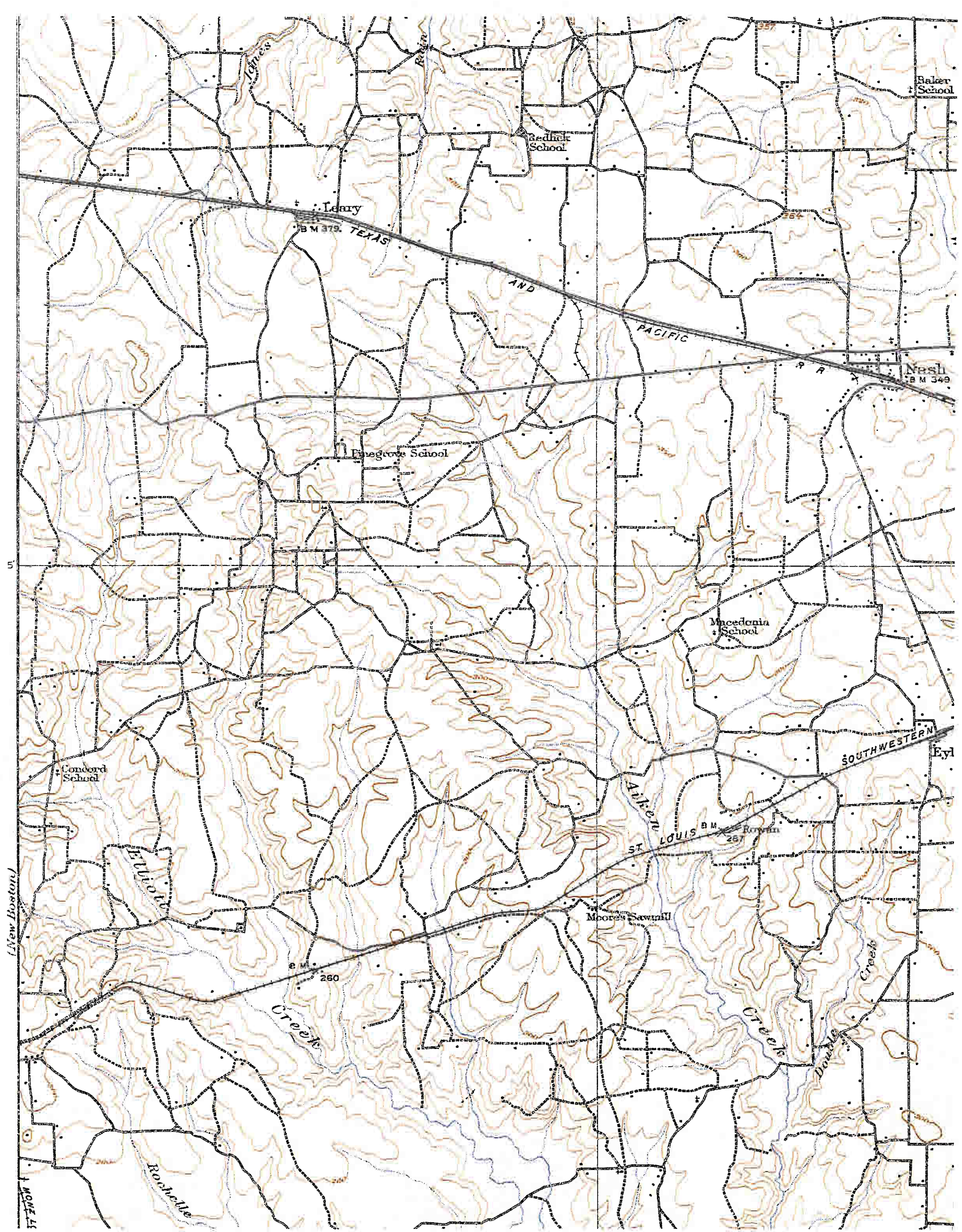














EDR® Environmental
Data Resources Inc

EDR DataMap™ EDR Well Search Report

**Red River Army Depot
Texarkana, TX 75501**

September 30, 2005

Inquiry number 01520905.6w

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

GEOCHECK VERSION 2.1 SUMMARY

FEDERAL DATABASE WELL INFORMATION

MAP ID _____ WELL ID _____

NO WELLS FOUND

STATE WATER WELL INFORMATION

MAP ID _____ WELL ID _____

1 0190021
1 0190021

PUBLIC WATER SUPPLY SYSTEM INFORMATION

NO WELLS FOUND

USGS TOPOGRAPHIC MAP(S)

33094-C3 MAUD, TX
33094-D2 LEARY, TX
33094-D3 HOOKS, TX
33094-D4 NEW BOSTON, TX

AREA RADON INFORMATION

Federal Area Radon Information for Zip Code: 75501

Number of sites tested: 5

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.280 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.800 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

Federal Area Radon Information for Zip Code: 75567

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.200 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.000 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

State Database: TX Radon

Radon Test Results

County	Mean	Total Sites	%>4 pCi/L	%>20 pCi/L	Min pCi/L	Max pCi/L
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GEOCHECK VERSION 2.1 SUMMARY

AREA RADON INFORMATION

BOWIE	.5	24	.0	.0	<.5	1.8
-------	----	----	----	----	-----	-----

Federal EPA Radon Zone for BOWIE County: 3

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

Federal Area Radon Information for BOWIE COUNTY, TX

Number of sites tested: 19

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.553 pCi/L	100%	0%	0%
Living Area - 2nd Floor	0.800 pCi/L	100%	0%	0%
Basement	Not Reported	Not Reported	Not Reported	Not Reported

GEOCHECK VERSION 2.1

STATE DATABASE WELL INFORMATION

Water Well Information:

Map ID:	1		
GIS Id:	10001259	Pws Id:	0190021
Water Source:	S0190021A	Owner:	1,2,3
Hydrologic code:	11140302	Stream Segment:	NONE
Waterbody:	CANEY CREEK RESERVOIR	State wellno:	Not Reported
Welldepth:	0	Depth agency:	not reported
Depth source:	not reported		
Aquifer:	N/A		
Drilldate:	Not Reported	Welldata:	not reported
Elevatn:	0	Elevmeth:	not reported
V_datum:	not reported	Aquifer method:	not reported
Latitude:	332301	Longitude:	941540
Accuracy:	Good - Water source has been located with symbols and/or features on the map.		
Collecting Org:	Texas Natural Resource Conservation Commission		
Location Meth:	Map interpolation, via digital source, Method 1: Water source location was manually plotted on USGS 7.5-minute topographic quadrangle and subsequently digitized.		
Horiz datum:	North American Datum 1927 (NAD27)		
Mapscale:	7.5' X 7.5' (1:24,000)	Fips:	037
Quadnum:	3394-134	Collection date:	Not Reported
Latitude:	33.3836	Longitude:	94.2611
Initials:	TSC	Last changed:	09/26/1995 00:00:00
Remarks:	Not Reported	Status:	Operating (Active)
Description:	Water Intake	Elevation:	0

Map ID:	1		
GIS Id:	10001260	Pws Id:	0190021
Water Source:	S0190021B	Owner:	4,5
Hydrologic code:	11140302	Stream Segment:	NONE
Waterbody:	ELLIOT CREEK RESERVOIR	State wellno:	Not Reported
Welldepth:	0	Depth agency:	not reported
Depth source:	not reported		
Aquifer:	N/A		
Drilldate:	Not Reported	Welldata:	not reported
Elevatn:	0	Elevmeth:	not reported
V_datum:	not reported	Aquifer method:	not reported
Latitude:	332301	Longitude:	941539
Accuracy:	Fair - Surveyor had to use a vehicle odometer and/or pacing to locate the water source. Plotted location may not be within 100 ft. (30 m) of the actual location.		
Collecting Org:	Texas Natural Resource Conservation Commission		
Location Meth:	Map interpolation, via digital source, Method 1: Water source location was manually plotted on USGS 7.5-minute topographic quadrangle and subsequently digitized.		
Horiz datum:	North American Datum 1927 (NAD27)		
Mapscale:	7.5' X 7.5' (1:24,000)	Fips:	037
Quadnum:	3394-134	Collection date:	Not Reported
Latitude:	33.3836	Longitude:	94.2608
Initials:	TSC	Last changed:	09/26/1995 00:00:00
Remarks:	A E	Status:	Abandoned (Derelict)
Description:	Water Intake	Elevation:	0

TEXAS GOVERNMENT WELL RECORDS SEARCHED

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).

State Database: TX Radon

Source: Department of Health

Telephone: 512-834-6688

Rinal Report of the Texas Indoor Radon Survey

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.

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.

Texas Groundwater Database

Source: Texas Water Development Board

Telephone: 512-936-0837

Texas Oil and Gas Wells:

Source: Texas Railroad Commission

Oil and gas well locations in the following counties: Bexar, Brazoria, Collin, Dallas, Denton, El Paso, Fort Bend, Galveston, Gregg, Harris, Hidalgo, Jefferson, Lubbock, Montgomery, Nueces, Tarrant, and Travis.

Texas Public Water Supply Database on Ground and Surface Water

Source: Texas Commission on Environmental Quality

STREET AND ADDRESS INFORMATION

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TITLE SEARCH INFORMATION



RED RIVER
ORDNANCE DEPOT
TEXARKANA, TEXAS

COMPLETION REPORT

NOVEMBER 30, 1942

WAR DEPARTMENT
CORPS OF ENGINEERS, U. S. ARMY

AREA ENGINEER OFFICE

TEXARKANA, TEXAS

SECTION IV

LAND INFORMATION

(a) Geographical Location:-

The Red River Ordnance Depot is situated practically in the center of Bowie County, Texas. The main entrance gate (which is 1.8 miles west of the northeast corner and 4.3 miles east of the northwest corner of the reservation) is 18.6 miles west of the United States Post Office in the City of Texarkana. The northwest corner of the Depot reservation adjoins the town of New Boston, Texas. The Texas and Pacific Railway (Sherman Line), and U. S. Highway No. 82, border the Depot site on the north, and the Lone Star Ordnance Plant adjoins it to the east.

(b) Complete Description:-

All coordinates are on the Texas State Rectangular System, and all bearings are computed from Grid Azimuths. The reservation boundaries circumscribe an area comprising 15,067.94 acres, of which four cemeteries, as hereinafter described, are not part of the reservation proper. These cemeteries contain an aggregate total of 1.26 acres, hence the net area of the Government-owned land constituting the Depot site is 15,066.68 acres. The legal description, by metes and bounds, is as follows, with the aforementioned cemeteries set out as exceptions:

Beginning approximately seven-eighths (7/8) of a mile west of the town of Hooks, Bowie County, Texas, at the intersection

of the south line of the right-of-way of the Texas & Pacific
Railway with the east line of the Charles Collom Survey
(coordinate point: $X = 2,974,398.5 - Y = 669,059.7$), monumented
by RROD No. 2, which is 6.8 feet south and 2.4 feet west of the
corner; thence south $84^{\circ} 37' 39''$ west 11,960.7 feet to coordinate
point: ($X = 2,962,488.1 - Y = 667,939.7$) monumented by RROD No. 6,
which is 2.6 feet south of the angle point; thence south
 $84^{\circ} 33' 58''$ west 7,388.6 feet to coordinate point: $X = 2,955,132.2 -$
 $Y = 667,240.0$, monumented by RROD No. 8, which is 1.7 feet south
of the angle point; thence south $84^{\circ} 32' 29''$ west 12,822.5 feet
to an original iron pin, coordinate point: $X = 2,942,367.0 -$
 $Y = 666,020.2$, monumented by RROD No. 11, which is 1.0 foot
south and 5.0 feet east of the corner; thence south $1^{\circ} 16' 38''$
east 417.1 feet to an original iron pin, coordinate point:
 $X = 2,942,376.3 - Y = 665,603.1$, monumented by RROD No. 12,
which is 1.4 feet east and 1.6 feet south of the corner; thence
south $84^{\circ} 50' 12''$ west 412.3 feet to an original iron pin,
coordinate point: $X = 2,941,965.7 - Y = 665,566.0$, unmonumented;
thence south $2^{\circ} 03' 09''$ east 2,800.9 feet to coordinate point:
 $X = 2,942,066.0 - Y = 662,766.3$, monumented by RROD No. 14, which
is 2.0 feet east of the angle point; thence south $2^{\circ} 21' 02''$
east 2,992.0 feet to coordinate point: $X = 2,942,188.7 -$
 $Y = 659,777.3$, monumented by RROD No. 16, which is 10.0 feet
north and 1.8 feet east of the corner; thence south $89^{\circ} 54' 36''$
west 189.9 feet to coordinate point: $X = 2,941,998.9 - Y = 659,774.3$,
unmonumented; thence south $3^{\circ} 20' 38''$ east 1,537.0 feet to

coordinate point: $X = 2,942,088.7 - Y = 658,237.3$, monumented
by RROD No. 17, which is 2.5 feet north and 1.5 feet east of
the angle point; thence, south $60^{\circ} 44' 49''$ east 95.4 feet to
coordinate point: $X = 2,942,171.9 - Y = 658,190.7$, unmonumented;
thence, north $88^{\circ} 54' 33''$ east 793.3 feet to coordinate point:
 $X = 2,942,965.0 - Y = 658,205.8$, monumented by RROD No. 18,
which is 1.5 feet north and 1.0 feet east of the angle point;
thence south $2^{\circ} 19' 09''$ east 719.1 feet to coordinate point:
 $X = 2,942,994.1 - Y = 657,487.2$, unmonumented; thence south
 $46^{\circ} 04' 52''$ east 168.0 feet to coordinate point: $X = 2,943,117.9 -$
 $Y = 657,370.7$, monumented by RROD No. 19, which is 1.5 feet north
and 2.5 feet east of the angle point; thence south $1^{\circ} 21' 43''$
east 1,182.3 feet to coordinate point: $X = 2,943,146.0 -$
 $Y = 656,188.7$, unmonumented; thence south $12^{\circ} 07' 22''$ east
587.6 feet to coordinate point: $X = 2,943,269.4 - Y = 655,614.2$,
monumented by RROD No. 20, which is 2.5 feet east of the angle
point; thence south $2^{\circ} 40' 58''$ east 3,157.4 feet to coordinate
point: $X = 2,943,417.2 - Y = 652,459.8$, unmonumented; thence
south $61^{\circ} 10' 36''$ east 483.5 feet to coordinate point:
 $X = 2,943,840.8 - Y = 652,226.8$, monumented by RROD No. 22,
which is 2.5 feet east of the angle point; thence south
 $1^{\circ} 47' 52''$ east 5,498.9 feet to coordinate point: $X = 2,944,013.3 -$
 $Y = 646,731.6$, monumented by RROD No. 25, which is 2.0 feet
north and 1.5 feet east of the corner; thence north $73^{\circ} 13' 36''$
east 1,728.8 feet to coordinate point: $X = 2,945,668.5 -$
 $Y = 647,230.5$, unmonumented; thence north $76^{\circ} 20' 17''$ east 619.8 feet

to coordinate point: $X = 2,946,270.8 - Y = 647,376.9$, monumented by RROD No. 27, which is 1.5 feet north of the angle point; thence north $88^{\circ} 47' 19''$ east 3,543.0 feet to coordinate point:
 $X = 2,949,811.7 - Y = 647,451.8$, monumented by RROD No. 28, which is 6.0 feet north of the angle point; thence north $89^{\circ} 22' 54''$ east 3,531.4 feet to coordinate point: $X = 2,953,343.1 - Y = 647,489.8$, monumented by RROD No. 29, which is 4.5 feet north of the angle point; thence north $86^{\circ} 09' 00''$ east 1,700.9 feet to coordinate point: $X = 2,955,040.0 - Y = 647,604.5$, monumented by RROD No. 30, which is 5.5 feet north of the angle point; thence north $87^{\circ} 27' 24''$ east 1,099.8 feet to coordinate point: $X = 2,956,138.6 - Y = 647,652.9$, unmonumented; thence north $88^{\circ} 02' 12''$ east 998.2 feet to coordinate point: $X = 2,957,136.3 - Y = 647,687.1$, monumented by RROD No. 31, which is 7.5 feet north of the angle point; thence north $88^{\circ} 02' 25''$ east 695.9 feet to coordinate point: $X = 2,957,831.8 - Y = 647,710.9$, unmonumented; thence north $89^{\circ} 53' 21''$ east 1,800.3 feet to coordinate point: $X = 2,959,632.1 - Y = 647,714.3$, monumented by RROD No. 32, which is 1.5 feet north of the angle point; thence north $87^{\circ} 30' 27''$ east 2,802.9 feet to coordinate point:
 $X = 2,962,432.5 - Y = 647,836.2$, monumented by RROD No. 34, which is 1.5 feet north and 2.0 feet east of the corner; thence south $1^{\circ} 47' 14''$ east 1,715.8 feet to coordinate point: $X = 2,962,486.0 - Y = 646,121.3$, monumented by RROD No. 35, which is 1.0 foot north and 2.5 feet east of the angle point; thence south $45^{\circ} 14' 32''$ east 1,153.6 feet to coordinate point: $X = 2,963,305.2 - Y = 645,309.1$, monumented by RROD No. 36, which is 3.0 feet north and 1.0 foot east

of the angle point; thence north $88^{\circ} 10' 49''$ east 5,118.3 feet to coordinate point: $X = 2,968,420.8 - Y = 645,471.6$, monumented by RROD No. 38, which is 2.0 feet north and 1.0 foot east of the angle point; thence south $36^{\circ} 19' 25''$ east 1,313.0 feet to coordinate point: $X = 2,969,198.6 - Y = 644,413.8$, monumented by RROD No. 39, which is 1.5 feet north and 1.5 feet east of the angle point; thence south $67^{\circ} 13' 23''$ east 226.2 feet to coordinate point: $X = 2,969,415.8 - Y = 644,322.6$, unmonumented; thence north $88^{\circ} 48' 10''$ east 149.6 feet to an original iron pin, coordinate point: $X = 2,973,564.3 - Y = 644,409.3$, monumented by RROD No. 42, which is 3.5 feet north and 3.5 feet west of the corner; thence north $2^{\circ} 12' 28''$ west 2,541.2 feet to coordinate point: $X = 2,973,466.4 - Y = 646,950.7$, monumented by RROD No. 43, which is 1.0 foot south and 2.0 feet west of the corner; thence north $87^{\circ} 10' 02''$ east 851.9 feet to coordinate point: $X = 2,974,317.2 - Y = 646,990.8$, unmonumented; thence north $1^{\circ} 11' 35''$ west 9,140.3 feet to coordinate point: $X = 2,974,126.8 - Y = 656,124.6$, monumented by RROD No. 47, which is 2.0 feet west of the angle point; thence north $1^{\circ} 51' 50''$ west 6,531.4 feet to coordinate point: $X = 2,973,914.5 - Y = 662,650.6$, monumented by RROD No. 49, which is 3.5 feet south and 1.5 feet west of the corner; thence north $87^{\circ} 38' 49''$ east 721.0 feet to coordinate point: $X = 2,974,634.7 - Y = 662,680.2$, unmonumented; thence north $2^{\circ} 07' 12''$ west 6,385.5 feet to the point of beginning; excepting

and exclusive of the following described four (4) exceptions,
reserved as Cemeterics:-

EXCEPTION No. 1

A rectangular plot of land near the center of Original Tract
#574, with the following corner coordinates:
x = 2,955,325.86 x = 2,955,194.48 x = 2,955,194.48 x = 2,955,325.86
y = 657,117.91 y = 657,117.63 y = 656,782.63 y = 656,782.91
containing 1.0 acre, more or less, and known as Rummels Cemetery;

EXCEPTION No. 2

A rectangular plot of land near the center of Original Tract
#600, with the following corner coordinates:
x = 2,955,290.93 x = 2,955,240.33 x = 2,955,242.64 x = 2,955,292.64
y = 654,079.48 y = 654,079.07 y = 654,009.07 y = 654,009.48
containing 0.08 acre, more or less, and known as Collom Cemetery;

EXCEPTION No. 3

A rectangular plot of land near the north center of Original
Tract #587, with the following corner coordinates:
x = 2,968,001.28 x = 2,967,961.28 x = 2,967,961.28 x = 2,968,001.28
y = 652,063.74 y = 652,063.74 y = 652,023.74 y = 652,023.74
containing 0.04 acre, more or less, and known as Till Cemetery;

EXCEPTION No. 4

A nearly rectangular tract of land near the southwest corner
of Original Tract #618, with the following corner coordinates:
x = 2,944,926.50 x = 2,944,846.92 x = 2,944,838.79 x = 2,944,918.37
y = 647,658.54 y = 647,666.67 y = 647,587.09 y = 647,578.96
containing 0.14 acre, more or less, and known as Hays Cemetery.

(c) Ownership:-

The Red River Ordnance Depot reservation consists of one hundred sixteen (116) tracts of land, varying in size from one to nine hundred acres each, clear title to all of which rests in the United States Government. Fifty tracts, comprising 7,586.68 acres, were acquired by direct purchase, and the remaining sixty-six tracts, constituting 7,480 acres, were acquired by court action. A complete list of all the tracts, by tract number, former owner, acreage and method of acquisition by the Government, is as follows:

<u>Tract No.</u>	<u>Former Owner</u>	<u>Acreage</u>	<u>How Acquired</u>
9 501	L. H. Griffin	78.21	Direct Purchase
502	Ruby Niel Hart	408.00	Direct Purchase
503	E. M. Mahone	266.81	Direct Purchase
504	A. & A. A. Hoch	245.22	Court Action
505	Elizabeth Whitehead	22.47	Court Action
506	William Whitehead	120.00	Court Action
507	S. C. Jarrell	120.00	Court Action
508	Henry Brooks	13.57	Court Action
509	W. H. Ector	597.44	Direct Purchase
510	Harold Purtle	135.00	Direct Purchase
511	Bob Phillips	438.00	Direct Purchase
512	James Hubbard	200.00	Direct Purchase
513	C. W. Jones	93.00	Court Action
515	Mrs. Berta Lee Hubbard	36.80	Direct Purchase
516	A. B. Barfield	158.00	Court Action
517	Leon Missildine	46.00	Direct Purchase
518	Mrs. Berta Lee Hubbard	76.80	Direct Purchase
521	C. W. Jones	285.00	Direct Purchase
523	J. B. Mitchell	10.00	Direct Purchase
524	J. N. Walker	57.00	Direct Purchase
525	C. H. Friedberg	86.00	Court Action
526	J. E. Smith Estate	51.00	Court Action
527	Charles F. Collier	50.00	Direct Purchase
528	Erwin Fowler, et al	62.50	Direct Purchase
529	Mrs. W. M. Jones	100.00	Court Action
530	Mrs. Vera Smith, et al	62.50	Court Action
531	S. F. Young	60.00	Direct Purchase
532	Millage C. Collins	31.25	Direct Purchase

<u>Tract No.</u>	<u>Former Owner</u>	<u>Acres</u>	<u>How Acquired</u>
534	A. F. Sealy	50.00	Court Action
535	Delia Sealy	50.00	Direct Purchase
536	A. G. Goddard	57.50	Court Action
538	W. L. Moody Cotton Co.	168.35	Court Action
540	George Mahone	40.00	Court Action
542	Earl S. Wood	216.00	Direct Purchase
543	J. D. Allen Estate	424.60	Court Action
544	C. R. Burleson	87.00	Court Action
545	Leon Missildine	900.00	Direct Purchase
546	S. C. Ball	104.30	Court Action
547	Minnie Wingfield	60.00	Court Action
548	Jack Scott	71.37	Direct Purchase
549	James & R.M. Hubbard & Co	75.25	Direct Purchase
550	A. L. Mitchell	110.00	Direct Purchase
551	R. M. Hubbard Estate	48.00	Direct Purchase
552	Elizabeth A. Pierce	169.00	Court Action
553	New Boston Independent School District	3.00	Court Action
554	Harlin R. Runnels Estate	1.00	Court Action
555	O. B. Pirkey	185.00	Court Action
556	Mayme Walker	25.00	Court Action
557	Kansas City Title and Trust Company	114.00	Direct Purchase
558	M. Ecke	76.40	Direct Purchase
559	D. M. Harris	725.46	Court Action
560	Mrs. Ruby Davis	50.00	Direct Purchase
561	Benjamin F. Robertson	175.25	Direct Purchase
568	Kansas City Title and Trust Company	215.00	Court Action
569	I. A. Caruth	27.50	Court Action
570	Mayme Walker, et vire	143.30	Court Action
571	C. W. Jones	100.00	Direct Purchase
572	Lon Morris College	52.90	Court Action
573	M. C. Collins, et al	106.00	Court Action
574	Ruby Niel Hart	783.00	Direct Purchase
575	L. N. Estes	75.25	Direct Purchase
576	W. W. Jones	80.00	Court Action
577	W. C. Allen	46.50	Court Action
579	W. C. Allen	111.50	Court Action
581	T. J. Anderson	620.00	Direct Purchase
582	Mrs. Lizzie Jester, et al	16.67	Court Action
583	L. M. Yates	60.00	Direct Purchase
584	Mrs. Berta Lee Hubbard	83.33	Court Action
586	E. M. Mahone	286.40	Direct Purchase
588	Mrs. Laura Till, et al	144.00	Court Action
589	W. H. Webster	107.50	Direct Purchase
590	D. F. Snyder	21.50	Direct Purchase
591	Ella B. Collins	55.00	Direct Purchase
592	J. L. Potts	18.90	Court Action

<u>Tract No.</u>	<u>Former Owner</u>	<u>Acreage</u>	<u>How Acquired</u>
593	A. M. Mahone	227.00	Court Action
594	C. W. Jones	144.50	Court Action
595	Minnie Bruce	37.50	Court Action
596	C. C. Collom	137.50	Court Action
597	Edith Alexander	48.50	Direct Purchase
598	Mrs. D. R. Richardson	100.00	Court Action
599	Miss J. M. Collom	56.00	Court Action
600	G. H. Brooks	213.50	Court Action
601	E. H. Cookman	113.30	Direct Purchase
602	W. A. Smith	25.00	Direct Purchase
603	Gator Smith	50.00	Direct Purchase
604	R. T. Barber	100.00	Court Action
605	Mamie Lee Smith	25.00	Court Action
607	M. C. Collins	24.25	Direct Purchase
608	J. L. Graham	24.25	Court Action
609	Sam Graham	92.50	Direct Purchase
610	C. Fisher Estate	49.42	Court Action
611	W. S. Tyson	28.50	Direct Purchase
612	Tamer Tyson	35.00	Court Action
613	Vassie Baucum	20.00	Court Action
614	George E. Johnson	40.00	Court Action
616	W. S. Tyson	35.67	Court Action
617	Tom Nicholson	80.00	Court Action
618	J. L. Hays	551.88	Court Action
620	Mrs. Eula Potts	2.00	Court Action
621	Mrs. D. E. Snyder	109.50	Direct Purchase
622	M. M. Alexander	56.67	Direct Purchase
623	Abe Mahone	131.00	Direct Purchase
625	J. M. Mahone	417.00	Court Action
627	Spurgeon Milton	80.00	Court Action
631	Mrs. M. D. Fuller	168.00	Court Action
632	Earl S. Wood	240.00	Court Action
633	Burrus Feed Mills	50.00	Court Action
634	D. L. Griffin	68.70	Direct Purchase
635	Marie Hill Estate	3.20	Court Action
636	Marie Hill Estate	2.80	Court Action
637	Vassie Baucum	4.00	Court Action
638	Lewis Brown	2.50	Court Action
639	Bill Johnson	2.00	Direct Purchase
640	Reethus Barber	45.00	Court Action
641	City of New Boston	1.50	Court Action
642	Judson Talley	4.00	Direct Purchase

(d) Easements:-

There are no easements, licences, mineral rights or other reservations, limitations or restrictions on the ownership

of any of the land within the Depot boundaries, with the exception of the four cemeteries described hereinbefore (see paragraph (b) of this Section). Outside the Depot boundary, the United States Government holds an easement, granted February 11, 1942, by the Texas & Pacific Railway Company, which gives the Government the right to construct cross-overs, sidings and tail-tracks on the Texas & Pacific right-of-way adjacent to and paralleling the north boundary of the Depot, and to utilize such portions of said right-of-way, and of the tracks, cross-overs, switches, etc., owned by the Texas & Pacific Railway Company within the limits of the easement, as may be necessary in connection with switching railroad cars into and out of the military reservation.

TABLE D-1
RED RIVER ARSENAL TRACT OWNERS

Name	Previous Owner	Date	Volume	Pages	Acreage	Tract	Survey	Survey No.
SLAVEN, R. G.	R. G. Slaven	3/18/1942	184	269	80.36	1	Wm H Fore	214
SLAVEN, R. G.	R. G. Slaven	3/18/1942	184	269	121.43	1	H H Mitchell	913
BAKER, Forrest	Forrest Baker	12/30/1941	186	144	20.16	2	H H Mitchell	913
SMITH, R. W. and T. SMITH	R. W. Smith & T. Smith	12/12/1941	181	322	59	3	J H Smelser	723
SMITH, R. W. and T. SMITH	R. W. Smith & T. Smith	12/12/1941	181	322	6	3	H H Mitchell	913
GRANT, W. L. and T. FORGEY	W. L. Grant & T. Forgey	7/7/1941	181	323	69.31	4	Mary Burnside	49
GRANT, W. L. and T. FORGEY	W. L. Grant & T. Forgey	7/7/1941	181	323	125.69	4	Mary Burnside	49
GIBSON, W. L. and Briley	W. L. Gibson & Briley	12/12/1941	181	323	287	6	Mary Burnside	49
SWINDELL, Louise	Louise Swindell	1/27/1942	186	247	31.27	7	Mary Burnside	49
BARKMAN, Byron	Byron Barkman	12/12/1941	181	323	108.3	8	J H Smithers	533
COOLEY, W. D.	W. D. Cooley	12/26/1941	181	363	218	9	Mary Burnside	49
COOLEY, Tip	Tip Coley	2/9/1942	185	410	100	10	Mary Burnside	49
PATOUT, R. A., Jr., etal	R. A. Patout, Jr., etal	12/17/1941	181	335	478	11	Mary Burnside	49
CRAWFORD, R. G., etal	R. G. Crawford, etal	12/17/1941	181	335	100	12	Mary Burnside	49
DALBY, N. L., etal	N. L. Dalby, etal	7/7/1941	181	335	308	13	Mary Burnside	49
AUTREY, J. A.	J. A. Autrey	7/7/1941	183	528	200	14	Wm H Fore	214
MURPHY, Clara	Clara Murphy	10/18/1941	183	528	87	15	Wm H Fore	214
CROOK, F. D., est etal	F. D. Crook, est etal	7/7/1941	192	288	96	17	H H Mitchell	913
FIELDS, W. N.	W. N. Fields	12/2/1941	186	55	81	19	Wm H Fore	214
McGOWEN, E. C.	E. C. McGowen	11/19/1941	186	26	88.41	20	Wm H Fore	214
RODGERS, R. W.	R. W. Rodgers	7/7/1941	181	323	50	21	Wm H Fore	214
HATCHER, W. S.	W. S. Hatcher	3/6/1942	190	144	50	22	Wm H Fore	214
MEARS, Judith F., etal	Judith F. Mears, etal	7/7/1941	181	324	99.5	23	Wm H Fore	214
HEARD, D. S.	D. S. Heard	7/7/1941	183	528	231.8	26	Mary Burnside	49
KENNEY, A. M., Mrs.	Mrs. A. M. Kenney	12/19/1941	186	128	156.44	27	Mary Burnside	49
ADAMS, Janie and T. A.	Janie & T. A. Adams	12/31/1941	186	139	8.1	28	Mary Burnside	49
STINGLER, Lucille	Lucille Stinger	7/7/1941	181	324	31.2	29	Mary Burnside	49
HENRY, Laura E.	Laura E. Henry	12/31/1941	186	139	31.13	30	Mary Burnside	49
HENRY, R. D.	R. D. Henry	1/14/1942	186	195	31.3	31	Mary Burnside	49
HENRY, W. A.	W. A. Henry	7/7/1941	183	528	31.2	32	Mary Burnside	49
HENRY, W. E., Mrs.	Mrs. W. E. Henry	7/7/1941	183	529	75.13	34	Mary Burnside	49
HENRY, W. E., Mrs.	Mrs. W. E. Henry	7/7/1941	183	529	27.87	34	J A Talbot	563
STILSON, C. L. and W. E.	C. L. & W. E. Stilson	1/23/1942	183	603	42.5	35	Mary Burnside	49
STILSON, HENRY L.	Henry L. Stilson	7/7/1941	181	336	233	36	Wm H Fore	214
WILSON, T. D.	T. D. Wilson	7/7/1941	181	336	100	37	Wm H Fore	214
RODGERS, R. W. and Gimlin	R. W. Rodgers & Gimlin	7/7/1941	181	324	100	38	Wm H Fore	214
GIBSON, W. L. and H. FORD	W. L. Gibson & H Ford	7/7/1941	181	324	134.12	39	J H Mitchell	926
TILLER, James	James Tiller	7/7/1941	183	529	160	40	G W Tiller	569
MEARS, Judith F., etal	Judith F. Mears, etal	7/7/1941	181	325	100	41	Wm H Fore	214
ROGERS, Rollin W.	Rollin W. Rogers	7/7/1941	181	337	167	43	G W Tiller	569
ALLEN, Jeff J.	Jeff J. Allen	7/7/1941	181	337	69	44	G W Tiller	569
GIBSON, W. L.	W. L. Gibson	7/7/1941	181	337	65	45	Wm H Fore	215
TELFORD, C. A.	C. A. Telford	12/18/1941	186	122	40	46	Wm H Fore	215
BALTHROP, J. C.	J. C. Balthrop	7/7/1942	192	138	43.4	47	Jonas Reid	511
WILLIAMS, Stephen	Stephen Williams	7/7/1941	192	289	43.4	48	Jonas Reid	511
CLARK, G. L.	G. L. Clark	4/17/1942	190	314	43.82	49	Jonas Reid	511
HENRY, Laura E. and R. D.	Laura E. & R. D. Henry	1/14/1942	186	194	100	51	J A Talbot	563
ISD, Hooks	Hooks ISD	7/7/1941	192	139	2	52	Jonas Reid	511
WILLIAMSON, H. C.	H. C. Williamson	7/7/1941	181	338	97.3	53	Jonas Reid	511
WILLIAMSON, H. C.	H. C. Williamson	12/5/1941	181	334	120.7	53	Wm Ware	674
SKINNER, Rosa Belle	Rosa Belle Skinner	5/5/1942	192	124	44.32	54	Jonas Reid	511
THOMAS, Pete	Pete Thomas	7/7/1941	189	431	43	55	Jonas Reid	511
REED, Joseph, est	Joseph Reed Est	7/7/1941	190	529	68	56	Joseph Reed	514
TILLER, Eluleta, etal	Eluleta Tiller etal	7/7/1941	190	493	73.3	57	G W Tiller	569
BARKMAN, Byron	Byron Barkman	7/7/1941	181	325	20	58	J H Smithers	533
BARKMAN, Byron	Byron Barkman	7/7/1941	181	325	20	58	J H Smithers	533
RAIN, M. C.	M. C. Rain	2/16/1942	190	104	109.03	59	J H Smithers	533
COOLEY, Tip and Floyd	Tip & Floyd Cooley	2/9/1942	185	410	100	60	J H Smithers	533
SHIPP, C. C.	C. C. Shipp	10/27/1941	181	197	32.2	61	N D Ellis	183
WHITE, Mary	Mary White	7/7/1941	181	339	56.5	62	N D Ellis	183
SHIPP, W. T.	W. T. Shipp	12/5/1941	186	76	105	63	N D Ellis	183
KYLES, Robert W.	Robert W. Kyles	1/20/1942	186	219	125.65	64	N D Ellis	183
FREEMAN, Joe	Joe Freeman	12/19/1942	192	382	98.5	65	N D Ellis	183
WHITE, Mary	Mary White	7/7/1941	181	339	4	66	N D Ellis	183
WHITE, V. V.	V. V. White	11/12/1941	183	476	24.99	67	N D Ellis	183
WHITE, T. L.	T. L. White	12/2/1941	186	57	24.5	68	N D Ellis	183
BROWN, Henry	Henry Brown	7/7/1941	181	461	6	69	Mary Burnside	49
CHURCH, Mt. Vernon Baptist	Mt. Vernon Bapt Church	1/19/1942	186	225	1	71	Mary Burnside	49
FIELDS, Carrie	Carrie Fields	12/17/1941	186	115	79.67	72	M E P & P Rwy Co	423
PIERCE, J. N.	J. N. Pierce	12/31/1941	186	159	50	73	M E P & P Rwy Co	423
EDWARDS, J. S.	J. S. Edwards	7/7/1941	181	457	75	77	N D Ellis	183
BANK, Texarkana Nat'l	Texarkana Nat'l Bank	7/7/1941	181	462	50	78	M E P & P Rwy Co	423
HUDGINS, Etta	Etta Hudgins	7/7/1941	181	461	50	79	M E P & P Rwy Co	423
GOREE, Carl	Carl Goree	12/30/1941	186	152	50	80	M E P & P Rwy Co	423
HEILBRON, Louis, Trust	Louis Heilbron, Trust	7/7/1941	181	325	40	82	Mary Burnside	49
McFAUL, Ernest	Ernest McFaul	7/7/1941	181	326	24.7	83	Mary Burnside	49
BREED, A. C.	A. C. Breed	11/19/1941	186	30	52.87	84	Mary Burnside	49

TABLE D-1
RED RIVER ARSENAL TRACT OWNERS

Name	Previous Owner	Date	Volume	Pages	Acceage	Tract	Survey	Survey No.
WITMER, Albert J.	Albert J. Witmer	1/2/1942	186	166	141	85	Mary Burnside	49
MARKHAM, R. C.	R. C. Markham	12/3/1941	186	72	60.45	86	Mary Burnside	49
WALRAVEN, W. A.	W. A. Walraven	12/29/1941	183	547	76.5	87	Wm Ware	674
REED, W. A.	W. A. Reed	4/22/1942	192	99	87	89	J A Talbot	563
REED, W. A.	W. A. Reed	4/22/1942	192	99	123.69	89	Wm Ware	674
TILLER, Pearl, Mrs.	Mrs. Pearl Tiller	7/7/1941	183	530	50	91	J A Talbot	563
WATSON, D. and P. MANNING	D. Watson & P. Manning	4/18/1942	190	342	70	92	J A Talbot	563
DALBY, N. L., etal	N. L. Dalby, etal	7/7/1941	181	339	36	93	J A Talbot	563
GABOUR, George, estate	George Gabour Estate	7/7/1941	181	339	17	95	Mary Burnside	49
GABOUR, George, estate	George Gabour Estate	7/7/1941	181	339	43	95	Mary Burnside	49
GABOUR, George, estate	George Gabour Estate	7/7/1941	181	339	7.75	95	J A Talbot	563
HENRY, George R.	George R. Henry	12/4/1941	186	81	31.94	96	Mary Burnside	49
HENRY, D. F.	D. F. Henry	7/7/1941	183	530	31.9	97	Mary Burnside	49
GRIMES, W. W.	W. W. Grimes	2/17/1942	188	97	37.2	98	Mary Burnside	49
RICHARDSON, Ruth and R.	Ruth & R. Richardson	7/7/1941	181	326	31.2	99	Mary Burnside	49
SHULL, Hubert	Hubert Shull	12/4/1941	186	77	160	100	David Jarrett	315
JARRETT, Rachel	Rachel Jarrett	7/7/1941	181	340	160	101	David Jarrett	315
LYNCH, Emma JARRETT	Emma Jarrett Lynch	7/7/1941	183	530	160	102	David Jarrett	315
JARRETT, David J.	David J. Jarrett	7/7/1941	181	326	160	103	David Jarrett	315
BROWN, Wm. V.	Wm. V. Brown	10/27/1941	181	195	49.91	104	Mary Burnside	49
MOZINGO, Tom	Tom Mozingo	7/7/1941	183	530	160	105	J A Talbot	563
ELLIOTT, A. L.	A. L. Elliott	1/16/1942	186	203	100	106	Wm Young	694
HEILBRON, Louis	Louis Heilbron	7/7/1941	181	326	50	108	Wm Young	694
TILLER, Ross	Ross Tiller	7/7/1941	183	531	20	109	Wm Young	694
ALLEN, F. J.	F. J. Allen	4/11/1942	190	281	3.54	110	Wm Ware	674
ALLEN, F. J.	F. J. Allen	4/11/1942	190	281	30	110	Wm Young	694
ALLEN, O. R., est	O. R. Allen, est	7/7/1941	192	139	61.2	113	G W Tiller	569
LYNCH, G. H.	G. H. Lynch	12/31/1941	186	158	39.97	114	G W Tiller	569
MULLIKIN, Gloria, etvr	Gloria Mullikin, etvr	12/30/1941	186	157	295	115	Wm Young	694
HEILBRON, Louis	Louis Heilbron	7/7/1941	181	327	33.21	116	J G Dunn	142
BOYCE, Melvin T.	Melvin T. Boyce	1/22/1942	186	230	50	118	Wm Young	694
SATTERFIELD, A. T.	A. T. Satterfield	12/31/1941	186	145	50	119	Wm Young	694
GEORGE, S. H., etal	S. H. George, etal	4/24/1942	190	400	89.74	120	J A Talbot	563
CUPP, A. B.	A. B. Cupp	12/31/1941	186	151	80	121	J A Talbot	563
GEORGE, W. W., etal	W. W. George, etal	12/18/1941	181	368	50	123	J A Talbot	563
GRIMES, W. D.	W. D. Grimes	12/29/1941	183	551	105	124	W D Shockley	527
GRIMES, W. D.	W. D. Grimes	12/29/1941	183	551	20	124	J A Talbot	563
DENOYER, A. J.	A. J. Denoyer	2/26/1942	190	132	0.44	125	M E P & P Rwy Co	438
DENOYER, A. J.	A. J. Denoyer	2/26/1942	190	132	83.21	125	W D Shockley	527
DENOYER, A. J.	A. J. Denoyer	2/26/1942	190	132	19.86	125	J A Talbot	563
McKEMIE, W. E.	W. E. McKemie	7/7/1941	183	531	200	126	J A Talbot	563
JARRETT, David J., etal	David J. Jarrett, etal	7/7/1941	181	327	200	128	Julia Davis	168
STARKS, W. J.	W. J. Starks	7/7/1941	183	531	120	129	Julia Davis	168
STRICKLAND, J. S., etal	J. S. Strickland, etal	7/7/1941	192	289	220.67	130	Mary Burnside	49
JONES, Sadie and Fay	Sadie & Fay Jones	7/7/1941	189	431	32.25	131	J W Lane	344
BOONE, J. H.	J. H. Boone	7/7/1941	189	431	32.25	132	J W Lane	344
BOONE, Eli	Eli Boone	2/11/1942	190	12	73.47	133	J W Lane	344
KORPI, Bessie	Bessie Korpi	7/7/1941	183	527	32.25	134	J W Lane	344
HUMISTON, Jessie B.	Jessie B. Humiston	7/7/1941	181	327	32.25	135	J W Lane	344
STARKS, Jack	Jack Starks	7/7/1941	181	328	117	136	J W Lane	344
DUNN, Adelia Wade, est	Adella Wade Dunn, est	7/7/1941	181	340	10.56	137	J W Lane	344
BIVENS, J. O.	J. O. Bivens	1/28/1942	186	248	106.94	138	J W Lane	344
CLARY, John H.	John H. Clary	5/25/1942	190	418	80.11	139	J W Lane	344
LANE, Will, heirs	Will Lane Heirs	7/7/1941	181	458	21.16	140	J W Elliott	191
WATSON, Mary and Zollie	Mary & Zollie Watson	12/11/1941	186	99	21.2	141	J W Elliott	191
LANE, Henry	Henry Lane	1/16/1942	186	205	21.2	142	J W Elliott	191
PHARES, Mrs. Fannie	Mrs. Fannie Phares	12/30/1941	183	556	40	143	M. D. Tilson	764
REED, J. Wess	J. Wess Reed	3/24/1942	186	307	230	145	W D Shockley	527
CULPEPPER, J. M.	J. M. Culpepper	7/7/1941	181	340	101	146	J G Dunn	142
CULPEPPER, J. M.	J. M. Culpepper	7/7/1941	181	340	1.4	146	S D Elliott	195
ALLEN, W. C.	W. C. Allen	7/7/1941	181	340	50	147	S D Elliott	195
JOHNSON, Finis	Finis Johnson	12/10/1941	186	94	30.6	148	S D Elliott	195
JOHNSON, E. J. and Ruth	E. J. & Ruth Johnson	2/6/1942	190	4	61.4	150	Julia Davis	169
JOHNSON, E. J. and Ruth	E. J. & Ruth Johnson	2/6/1942	190	4	16.37	150	S D Elliott	195
TEAGUE, C. D.	C. D. Teague	7/7/1941	183	531	100	151	S D Elliott	195
PIPES, T. K.	T. K. Pipes	12/31/1941	186	140	61.29	152	W D Shockley	527
GRIMES, W. W.	W. W. Grimes	2/17/1942	188	98	63.58	153	W D Shockley	527
LANGSTON, A. C.	A. C. Langston	7/7/1941	183	532	30.1	155	J L Moore	394
LANGSTON, A. C.	A. C. Langston	7/7/1941	183	532	24.2	155	M E P & P Rwy Co	438
HARDIMAN, Robert	Robert Hardiman	7/7/1941	190	19	21.16	157	J W Elliott	191
LANE, Adolphus	Adolphus Lane	1/20/1942	186	226	21.2	158	J W Elliott	191
TATE, Emma, Heirs	Emma Tate, Heirs	7/7/1941	181	328	21.17	160	J W Elliott	191
HENLEY, Ella May	Ella May Henley	1/13/1942	186	201	26.5	161	J W Elliott	191
GEORGE, J. P.	J. P. George	2/18/1942	186	107	92.66	162	J W Elliott	191
CLAYTON, R. G.	R. G. Clayton	3/12/1942	190	175	40.34	163	J W Elliott	191
HENLEY, Lora B.	Lora B. Henley	7/7/1941	181	458	41.3	164	J W Elliott	191
LANGSTON, E. A.	E. A. Langston	7/7/1941	181	328	23.6	165	J W Elliott	191

**TABLE D-1
RED RIVER ARSENAL TRACT OWNERS**

Name	Previous Owner	Date	Volume	Pages	Acreage	Tract	Survey	Survey No.
HICKS, L. L., est	L. L. Hicks, est	7/7/1941	192	139	47.87	166	J B McWhirter	383
DUNN, Adelia Wade, est	Adella Wade Dunn, est	7/7/1941	181	341	47.75	167	J W Lane	344
PRESLEY, H. S.	H. S. Presley	1/15/1942	186	202	40	169	Krouse Subd of Paynelands	0
BOONE, J. H.	J. H. Boone	7/7/1941	192	289	6	170	Krouse Subd of Paynelands	0
BOONE, J. H.	J. H. Boone	7/7/1941	192	289	12	170	Krouse Subd of Paynelands	0
BOONE, J. H.	J. H. Boone	7/7/1941	192	289	28	170	Krouse Subd of Paynelands	0
COULTER, Jane	Jane Coulter	1/19/1942	186	218	30	171	Mary Burnside	49
GUNN, Alice Brooks	Alice Brooks Gunn	7/7/1941	181	458	50	172	Mary Burnside	49
MORRIS, J. R., trustee	J. R. Morris, Trustee	7/7/1941	181	458	31.8	173	M E P & P Rwy Co	423
HOOKER, O. C., etal	O. C. Hooker, etal	11/12/1941	184	118	52	174	M E P & P Rwy Co	423
GIBSON, Arthur and M.	Arthur & M. Gibson	7/7/1941	181	459	104	175	M E P & P Rwy Co	423
MORMAN, Hubert	Hubert Morman	7/7/1941	181	459	4	176	Mary Burnside	49
McDONALD, Emily	Emily McDonald	1/26/1942	181	476	30	177	J A Talbot	563
McKEMIE, W. E.	W. E. McKemie	7/7/1941	181	329	30	178	J A Talbot	563
COULTER, Jane, etal	Jane Coulter, etal	7/7/1941	181	461	1	179	Mary Burnside	49
HICKS, L. L., est	L. L. Hicks, est	7/7/1941	192	139	5	180	Nancy Dycus	146
CHURCH, Red Springs Methodist	Red Springs Methodist	12/4/1941	183	513	4.9	181	Mary Burnside	49
PRESLEY, W. H.	W. H. Presley	10/27/1941	184	72	20	182	Nancy Dycus	146
PRESLEY, J. A.	J. A. Presley	10/27/1941	184	73	20	183	Nancy Dycus	146
PRESLEY, W. H.	W. H. Presley	12/2/1941	186	58	20	184	Nancy Dycus	146
PRESLEY, W. H. and McFAUL	W. H. Presley & McFaul	11/17/1941	184	110	20	185	Nancy Dycus	146
PRESLEY, W. H.	W. H. Presley	11/17/1941	183	484	20	186	Nancy Dycus	146
SATTERFIELD, Zodie	Zodie Satterfield	12/31/1941	186	142	50	188	Wm Young	694
SHELTON, M. R.	M. R. Shelton	3/16/1942	190	197	50.12	190	H P Benningfield	16
REED, James A.	James A. Reed	7/7/1941	181	329	24	191	S D Elliott	195
JOHNSON, C. T.	C. T. Johnson	2/24/1942	186	479	32	192	S D Elliott	195
CHURCH, Meth Episcopal	Meth Episcopal Church	12/5/1941	186	78	0.98	193	J W Elliott	191
PAYTON, C. P.	C. P. Payton	12/3/1941	186	61	30	195	Nancy Dycus	146
PAYTON, Louis	Louis Payton	2/11/1942	190	16	30	196	Nancy Dycus	146
PAYTON, P. P.	P. P. Payton	2/9/1942	185	408	25	197	Nancy Dycus	146
ISD, Redwater	Redwater ISD	9/11/1942	192	290	4	198	Nancy Dycus	146
ROBINSON, Katie	Katie Robinson	7/7/1941	190	494	16.5	199	M E P & P Rwy Co	423
REED, J. S.	J. S. Reed	7/7/1941	183	532	50.5	200	M E P & P Rwy Co	423
McGUIRE, Agnes	Agnes McGuire	5/20/1942	192	138	30	201	M E P & P Rwy Co	423
CHURCH, Piney Grove Baptist	Piney Grove Baptist	7/7/1941	192	140	0.5	202	M E P & P Rwy Co	423
LATHIMER, Betsey	Betsey Lathimer	9/23/1942	189	432	27.5	203	Mary Burnside	49
LATHIMER, Betsey	Betsey Lathimer	9/23/1942	189	432	2.5	203	M E P & P Rwy Co	423
ROBINSON, Kate	Kate Robinson	9/26/1942	189	340	8.5	204	Mary Burnside	49
REED, Homer, etal	Homer Reed, etal	7/7/1941	181	341	22	205	Mary Burnside	49
STRICKLAND, J. B.	J. B. Strickland	12/31/1941	186	146	40	206	Mary Burnside	49
REED, W. L.	W. L. Reed	12/11/1941	184	139	24.97	207	Mary Burnside	49
BREWER, M. B.	M. B. Brewer	7/7/1941	181	341	66	208	Nancy Dycus	146
NELSON, Walter, estate	Walter Nelson, estate	7/7/1941	181	329	50	209	Nancy Dycus	146
GARRETT, Anna	Anna Garrett	7/7/1941	181	459	15	210	Nancy Dycus	146
BROWN, Wm. V.	Wm. V. Brown	7/7/1941	181	459	12	211	Nancy Dycus	146
JONES, J. J.	J. J. Jones	7/7/1941	181	341	5	212	Nancy Dycus	146
CULP, Ruth and J. W.	Ruth & J. W. Culp	1/2/1942	186	162	20	213	Nancy Dycus	146
ISD, Redwater	Redwater ISD	7/7/1941	192	290	0.1	215	M E P & P Rwy Co	423
ISD, Redwater	Redwater ISD	7/7/1941	190	494	0.51	217	J G Dunn	143
ISD, Redwater	Redwater ISD	7/7/1941	190	494	0.49	217	R H Hamilton	275
LUMBLEY, J. L.	J. L. Lumbley	7/7/1941	189	432	4.5	218	Charles Lewis	338
JACKSON, Ralph	Ralph Jackson	2/18/1942	186	297	7.5	219	H P Benningfield	16
HAMLET, Travis L., etal	Travis L. Hamlet, etal	4/27/1942	191	570	32.48	220	John Smithson	794
HICKS, Delpha	Delpha Hicks	7/7/1941	189	432	8	221	Mary Burnside	49
LYNCH, Lucy	Lucy Lynch	7/7/1941	181	463	3	222	G W Tiller	569
LYNN, John C.	John C. Lynn	4/10/1942	190	279	28.53	223	G W Tiller	569
HARLAND, Ollie and H. H.	Ollie & H. H. Harland	1/28/1942	181	478	39.95	224	H P Benningfield	16
HAIRSTON, W. M., etal	W. M. Hairston, etal	7/7/1941	181	329	42	225	H P Benningfield	16
THRAPP, C. M.	C. M. Thrapp	8/5/1942	192	282	1.32	226	E T Jackson	301
STARKS, Mary	Mary Starks	1/17/1942	186	212	0.17	227	J H Smithers	533
SMITH, Stanley I.	Stanley I. Smith	7/7/1941	181	330	50	228	James Harper	269
WIMMER, Rose, Mrs.	Mrs. Rose Wimmer	7/7/1941	183	532	33	247	Nancy Dycus	146
BECK, Edith	Edith Beck	2/25/1942	188	353	75.33	248	Nancy Dycus	146
BOONE, G. F.	G. F. Boone	7/7/1941	189	433	32.25	249	J W Lane	344
PIPES, Eugene	Eugene Pipes	2/4/1942	188	80	61.59	322	W D Shockley	527
LONDON, Melissa F.	Melissa F. London	7/7/1941	183	532	40.26	323	J L Moore	394
LONDON, Melissa F.	Melissa F. London	7/7/1941	183	532	85.24	323	W D Shockley	527
KING, Violet	Violet King	7/7/1941	181	330	19	324	J L Moore	394
KING, Violet	Violet King	7/7/1941	181	330	84.6	324	W D Shockley	527
PIPES, J. P.	J. P. Pipes	12/18/1941	186	120	23.57	325	J L Moore	394
PIPES, J. P.	J. P. Pipes	12/18/1941	186	120	76.43	325	W D Shockley	527
FAGAN, S. E.	S. E. Fagan	1/16/1942	186	200	22.69	327	J W Elliott	191
GREEN, S. R.	S. R. Green	4/14/1942	190	292	51.32	328	J L Moore	394
GREEN, S. R.	S. R. Green	4/14/1942	190	292	4.68	328	W D Shockley	527
CREED, C. C., est	C. C. Creed, est	7/7/1941	192	290	27	329	J L Moore	394
CREED, C. C., est	C. C. Creed, est	7/7/1941	192	290	1	329	W D Shockley	527
HAIRSTON, Oscar T.	Oscar T. Hairston	3/16/1942	190	195	39.95	332	H P Benningfield	16

TABLE D-1
RED RIVER ARSENAL TRACT OWNERS

Name	Previous Owner	Date	Volume	Pages	Acreage	Tract	Survey	Survey No.
HAIRSTON, W. M.	W. M. Hairston	1/28/1942	186	1	48.46	333	H P Benningfield	16
BONHAM, H. H.	H. H. Bonham	3/12/1942	190	176	121.67	334	J S Herring	264
BONHAM, H. H. and Allie	H. H. & Allie Bonham	3/12/1942	190	176	1.04	334	J L Moore	394
NETTLES, S. G.	S. G. Nettles	5/2/1942	186	480	60	336	J S Herring	264
PARKER, W. P.	W. P. Parker	7/7/1941	184	380	157	337	H P Benningfield	16
LANGSTON, Lois and R. FENN	Lois Langston & R. Fenn	12/31/1941	184	179	91.64	338	H P Benningfield	16
PARKER, W. P.	W. P. Parker	7/7/1941	184	380	60	339	J S Herring	264
PIPES, Olen	Olen Pipes	1/12/1942	181	430	11	343	J S Herring	264
NETTLES, J. H.	J. H. Nettles	4/7/1942	190	261	22.57	344	J S Herring	264
JOHNSON, J. K.	J. K. Johnson	4/4/1942	190	259	116.89	359	R H Hamilton	275
MARTIN, A. R., etal	A. R. Martin, etal	7/7/1941	181	331	60	360	Julia Davis	169
CLARK, Nettie	Nettie Clark	7/7/1941	192	290	100	362	Julia Davis	169
LONG, Emma	Emma Long	7/7/1941	183	533	50	363	H P Benningfield	16
TAYLOR, Gordon L.	Gordon L. Taylor	3/5/1942	188	335	50.17	364	H P Benningfield	16
McCARTY, W. E.	W. E. McCarty	12/17/1941	186	116	28.59	365	H P Benningfield	16
BANK, Guaranty Bond State	Guaranty Bond State Bank	7/7/1941	181	331	58	366	H P Benningfield	16
GOODWIN, L. L.	L. L. Goodwin	7/7/1941	183	533	50	367	H P Benningfield	16
CLARK, R. M.	R. M. Clark	5/13/1942	184	395	84.5	368	H P Benningfield	16
NANCE, Amelia M. BANKS	Amelia M. Banks Nance	2/23/1942	190	101	29.9	371	H P Benningfield	16
WARD, J. I.	J. I. Ward	2/2/1942	181	484	39.59	373	G W Tiller	569
LYNN, John C.	John C. Lynn	4/10/1942	190	279	33.31	374	G W Tiller	569
ELLIOTT, C. C.	C. C. Elliott	12/29/1941	183	366	28	375	G W Tiller	569
TILLER, E. H., etal	E. H. Tiller, etal	7/7/1941	181	342	174	376	G W Tiller	569
TILLER, Virgie and J. B.	Virgie & J. B. Tiller	7/7/1941	181	342	37.8	378	G W Tiller	569
ELLIOTT, C. C.	C. C. Elliott	12/29/1941	183	548	100	379	J G Dunn	142
ELLIOTT, C. C. and Ethel	C. C. & Ethel Elliott	12/29/1941	183	548	75.75	379	G W Tiller	569
ALLEN, W. C.	W. C. Allen	7/7/1941	181	342	120	380	G W Tiller	569
JACKSON, W. E., etal	W. E. Jackson, etal	7/7/1941	190	494	87.7	381	G W Tiller	569
LYNN, J. K.	J. K. Lynn	2/26/1942	190	111	138	382	James Harper	269
ALLEN, Maggie	Maggie Allen	1/17/1942	186	211	39.62	383	James Harper	269
LYNN, Charles D.	Charles D. Lynn	1/31/1942	183	638	63.5	384	James Harper	269
HAMBY, A. E.	A. E. Hamby	2/13/1942	188	93	2	387	James Harper	269
GREEN, Cordia, etal	Cordia Green, etal	1/29/1942	184	256	10	388	J G Dunn	142
GREEN, Cordia, etal	Cordia Green, etal	1/29/1942	184	256	25.72	388	James Harper	269
HAMBY, A. E.	A. E. Hamby	12/29/1941	181	370	40	390	J G Dunn	142
HEILBRON, Louis	Louis Heilbron	7/7/1941	181	331	52	392	J G Dunn	142
KING, F. L.	F. L. King	7/7/1941	181	332	50	393	J G Dunn	142
JOHNSON, C. T.	C. T. Johnson	5/1/1942	186	479	5.96	394	Julia Davis	169
JOHNSON, C. T.	C. T. Johnson	5/4/1942	186	479	58.2	394	S D Elliott	195
BIGGS, Sina J. and J. A.	Sina J. & J. A. Biggs	1/29/1941	183	477	44	395	Julia Davis	169
JOHNSON, Alvin G.	Alvin G. Johnson	2/25/1942	186	288	42.78	396	Julia Davis	169
DOWNNS, J. D.	J. D. Downns	12/31/1941	186	150	36.5	397	J G Dunn	143
DOWNNS, J. D.	J. D. Downns	12/31/1941	186	150	39.2	397	R H Hamilton	275
CHURCH, Trs Presby Synod	Trs Presby Synod	7/7/1941	181	342	1	398	R H Hamilton	275
CLARK, J. C.	J. C. Clark	12/29/1941	181	364	80	400	Bethany McAdams	404
COLEMAN, Charles	Charles Coleman	12/2/1941	186	56	50	401	Bethany McAdams	404
ELY, J. M.	J. M. Ely	12/12/1941	186	100	50	402	Bethany McAdams	404
MISSILDINE, Leon	Leon Missildine	2/12/1942	190	24	25	403	Bethany McAdams	404
MISSILDINE, Leon	Leon Missildine	2/12/1942	190	24	5	403	John Smithson	794
GOZA, Alma T.	Alma T. Goza	7/7/1941	192	141	4	404	R M Lindsey	349
GOZA, Alma T.	Alma T. Goza	7/7/1941	192	141	40	404	Bethany McAdams	404
GOZA, Alma T.	Alma T. Goza	7/7/1941	192	141	30.4	404	John Smithson	794
HAYNES, Emma	Emma Haynes	7/7/1941	189	433	80	405	Bethany McAdams	404
SMITH, W. D.	W. D. Smith	2/5/1942	185	387	330	407	Charles Lewis	338
FORT, Ben	Ben Fort	5/5/1942	192	122	4.44	409	Charles Lewis	0
ALLEN, Jeff	Jeff Allen	7/7/1941	181	343	60	410	J H Mitchell	926
ROMINE, J. O.	J. O. Romine	7/7/1941	192	141	20	411	J H Mitchell	926
SMITH, O. L.	O. L. Smith	5/12/1942	190	383	47.65	412	J H Mitchell	926
BUTLER, W. D.	W. D. Butler	7/7/1941	181	332	59.26	413	J H Mitchell	926
PIERCE, Merta C. and R. T.	Merta C. & R. T. Pierce	12/31/1941	186	156	80	415	Leander Gray	708
CLARK, G. C.	G. C. Clark	12/31/1941	186	148	40	417	Leander Gray	708
ALLEN, O. R., etal	O. R. Allen, etal	7/7/1941	192	141	12	418	James Harper	269
ALLEN, O. R., etal	O. R. Allen, etal	7/7/1941	192	141	25.25	418	G W Tiller	569
ALLEN, O. R., etal	O. R. Allen, etal	7/7/1941	192	141	40	418	Leander Gray	708
ALLEN, W. C. and Ethel M.	W. C. & Ethel M. Allen	7/7/1941	181	343	95	423	G W Tiller	569
DUKE, J. H.	J. H. Duke	7/7/1941	192	291	71.52	424	Charles Collum	108
DUKE, J. H.	J. H. Duke	7/7/1941	192	291	115.18	424	George Collum	119
GIBSON, Lafayette	Lafayette Gibson	2/24/1942	190	103	80	425	George Collum	119
TAYLOR, Mattie, etal	Mattie Taylor, etal	7/7/1941	181	333	266	426	George Collum	119
TAYLOR, Mattie, etal	Mattie Taylor, etal	7/7/1941	181	333	7	426	James Harper	269
BORCHERDING, H. F.	H. F. Borcharding	4/9/1942	190	276	3.47	427	George Collum	119
DUKE, J. H. and Clara	J. H. & Clara Duke	7/7/1941	184	380	0.48	429	George Collum	119
AUTREY, Dave S.	Dave S. Autrey	12/21/1941	186	147	5.6	430	George Collum	119
DUKE, J. H.	J. H. Duke	1/23/1942	183	606	169	431	George Collum	119
REED, S. J. and Mary	S. J. Reed & Mary Reed	7/7/1941	184	381	74	432	George Collum	119
REED, S. J. and Mary	S. J. Reed & Mary Reed	7/7/1941	184	381	325	432	James Harper	269
REED, James A.	James A. Reed	6/15/1942	190	460	112.33	436	James Harper	269

TABLE D-1
RED RIVER ARSENAL TRACT OWNERS

Name	Previous Owner	Date	Volume	Pages	Acreage	Tract	Survey	Survey No.
ALLEN, S. E., Mrs.	Mrs. S. E. Allen	7/7/1941	181	333	14.5	437	James Harper	269
ALLEN, Willis	Willis Allen	3/3/1942	190	136	33.25	438	James Harper	269
STRICKLAND, J. S.	J. S. Strickland	3/17/1942	192	288	29	439	James Harper	269
ALLEN, W. C.	W. C. Allen	7/7/1941	181	343	16.5	441	James Harper	269
REED, James A.	James A. Reed	6/13/1942	190	460	45	442	James Harper	269
ALLEN, W. C.	W. C. Allen	7/7/1941	181	344	23.25	443	James Harper	269
ALLEN, W. C.	W. C. Allen	7/7/1941	181	344	66	444	James Harper	269
CHURCH, Antioch Christian	Antioch Christian Church	7/7/1941	192	142	2	446	James Harper	269
ALLEN, John	John Allen	7/7/1941	181	344	59.5	448	James Harper	269
CLAY, W. G.	W. G. Clay	7/7/1941	181	333	178.8	449	James Harper	269
FARREN, Ray	Ray Farren	12/12/1941	186	105	50	450	James Harper	269
COPELAND, Jessie	Jessie Copeland	5/7/1942	188	577	44	452	James Harper	269
RICHARDSON, Susie O.	Susie O. Richardson	7/7/1941	181	463	50	453	James Harper	269
ALLEN, W. C. and L. CHISM	W. C. Allen & L. Chism	7/7/1941	181	345	13.88	454	James Harper	269
BARRINGER, Henry, Mrs.	Mrs. Henry Barringer	2/6/1942	185	396	20.8	455	James Harper	269
WEATHERFORD, W. G.	W. G. Weatherford	7/7/1941	190	495	73	457	James Harper	269
GREEN, Spence	Spence Green	4/6/1942	190	256	36.72	460	James Harper	269
GREEN, Allen and Emma	Allen & Emma Green	12/3/1941	186	65	25	461	James Harper	269
YATES, L. M. & M. F.	L. M. & M. F. Yates	12/31/1941	186	143	100.96	462	R M Lindsey	349
HOFFMAN, A. D., etal	A. D. Hoffman, etal	7/7/1941	192	291	50	463	R M Lindsey	349
GREEN, Allen	Allen Green	12/3/1941	186	64	21	464	R M Lindsey	349
RUMBO, Gus	Gus Rumbo	4/8/1942	190	265	25.47	465	R M Lindsey	349
LONG, J. D.	J. D. Long	12/17/1941	186	118	175	466	R M Lindsey	349
HARRIS, Channing H.	Channing H. Harris	4/10/1942	190	323	25	467	R M Lindsey	349
HARRIS, Channing H.	Channing H. Harris	4/10/1942	190	323	28.77	467	John Smitson	794
LONG, J. D.	J. D. Long	2/26/1942	190	115	45.41	470	J G Dunn	143
REED, Jack	Jack Reed	5/5/1942	192	105	2.02	471	Charles Lewis	338
CHURCH, Trs. Presby of Paris	Trs. Presby of Paris	7/7/1941	181	333	0.64	472	Charles Lewis	338
SMITH, J. C., Jr.	J. C. Smith, Jr.	5/12/1942	190	377	2.11	473	Charles Lewis	338
BORCHERDING, H. F.(S)	H. F. Borchering	7/7/1941	190	495	1	474	Charles Lewis	338
PIERCE, R. T.	R. T. Pierce	7/7/1941	190	495	2	475	Charles Lewis	338
SMITH, Willie	Willie Smith	1/21/1942	186	229	4.73	476	Charles Lewis	338
PREWETT, John W.	John W. Prewett	3/7/1942	190	154	3.72	477	Charles Lewis	338
COCHRAN, Mable	Mable Cochran	7/7/1941	192	142	0.6	478	Charles Lewis	338
SCHROEDER, Sarah E.	Sarah E. Schroeder	1/28/1942	181	475	0.64	479	Charles Lewis	338
SMITH, Perry and Nellie	Perry & Nellie Smith	5/18/1942	190	397	0.73	480	Charles Lewis	338
WILLIAMSON, H. C. and Evie	H. C. & Evie Williamson	5/25/1942	184	420	2.38	481	Charles Lewis	338
HOOKS, Amy L.	Amy L. Hooks		190	390	1.01	482	George Collum	119
ALLEN, O. R., etal	O. R. Allen, etal	7/7/1941	189	433	11.1	483	James Harper	269
WHITE, Mary	Mary White	5/12/1942	190	379	0.23	484	J H Smithers	533
DALBY, N. L.	N. L. Dalby	7/7/1941	189	433	2.7	485	A W King	330
CO, Farmers Cotton Oil	Farmers Cotton Oil	12/5/1941	181	345	1	486	J H Smithers	533
WILLIAMSON, H. C.	H. C. Williamson	5/5/1942	190	419	0.18	487	Charles Lewis	338
GRIFFIN, L. H.	L. H. Griffin	3/30/1942	188	342	77.97	501	Charles Collum	108
HART, Ruby Neil	Ruby Neil Hart	5/9/1942	190	372	180.59	502	Charles Collum	108
HART, Ruby Neil	Ruby Neil Hart	5/9/1942	190	372	243.61	502	Jonathan Collom	109
MAHONE, E. M.	E. M. Mahone	4/27/1942	192	92	157.96	503	Collin M Akin	2
MAHONE, E. M.	E. M. Mahone	4/27/1942	192	92	106.66	503	Johnathan Collum	109
HOCH, A. & A. A.	A. & A. A. Hoch				245.22	504	J Paxton	
WHITEHEAD, Elizabeth	Elizabeth Whitehead	7/7/1941	188	596	22.9	505	Sec 37 MEP & P RR Co	425
WHITEHEAD, William	William Whitehead	7/7/1941	183	524	120	506	M E P & P Rwy	425
JARRELL, S. C.	S. C. Jarrell	7/28/1941	184	149	120	507	Sec 37 MEP & P RR Co	425
BROOKS, Henry	Henry Brooks	7/28/1941	184	150	13.57	508	Sec 37 MEP & P RR Co	425
ECTOR, W. H.	W. H. Ector	1/15/1942	183	589	461	509	W F Thompson	565
ECTOR, W. H.	W. H. Ector	1/15/1942	183	589	141.62	509	N Williams	834
ECTOR, W. H. and Lillian	W. H. & Lillian Ector	1/15/1942	183	589	2.8	509	C C Crump	991
PURTLE, H. G.	H. G. Purtle	1/27/1942	181	468	127	510	W F Thompson	565
PHILLIPS, Bob	Bob Phillips, single		183	577	438	511	W F Thompson	
HUBBARD, James	James Hubbard	4/15/1942	190	298	200	512	W F Thompson	565
JONES, C. C.	C. W. Jones				93	513	W F Thompson	
HUBBARD, Berta Lee	Berta Lee Hubbard, widow		190	424	36.8	515	W F Thompson	
BARFIELD, A. B.	A. B. Barfield				158	516	W F Thompson	
MISSILDINE, Leon	Leon Missildine	5/29/1942	188	614	44.65	517	W F Thompson	565
HUBBARD, Berta Lee	Berta Lee Hubbard, widow		190	425	76.8	518	W F Thompson	
JONES, C. W. and Mary	C. W. Jones and Mary Jones, wi		190	442	285	521	W F Thompson	
MITCHELL, J. M.(B)	J. M. Mitchell	4/16/1942	190	315	10	523	C C Crump	991
WALKER, John N.	John N. Walker	3/17/1942	190	199	56.51	524	J. M. Smith	819
FRIEDBERG, C. H.	C. H. Friedberg				86	525	John M Smith	
SMITH, James M.	James M. Smith	7/28/1941	192	135	51	526	J. M. Smith	819
COLLIER, Charles F. and Sybil	Charles F. Collier and Sybil C		190	116	50	527	J M Smith	
FOWLER, Ervin	Ervin Fowler	2/9/1942	191	167	62.5	528	R A Bartlet	839
JONES, Mollie S., etal	Mollie S. Jones, etal	7/28/1941	184	150	100	529	J H Smelser	722
SMITH, Vera	Vera Smith	7/28/1941	189	476	62.5	530	R A Bartlet	839
YOUNG, S. F.	S. F. Young	12/18/1941	186	121	61.22	531	J H Smelser	722
COLLINS, Millage C.	Millage C. Collins	4/15/1942	190	305	31.26	532	R A Bartlet	839
SEALY, A. F.	A. F. Sealy				50	534	Collin M Akin	
SEALY, Delia	Delia Sealy	3/14/1942	190	186	50	535	Collin M Akin	2

**TABLE D-1
RED RIVER ARSENAL TRACT OWNERS**

Name	Previous Owner	Date	Volume	Pages	Acceage	Tract	Survey	Survey No.
GOODARD, A. G.	A. G. Goddard				57.5	536	Collin M Akin	
CO, W. L. Moody Cotton	W. L. Moody Cotton Co.	7/26/1941	183	525	168.35	538	Charles Collum	108
MAHONE, George	George Mahone	7/26/1941	183	526	40	540	James Harper	269
WOOD, Earl S.	Earl S. Wood	3/24/1942	186	308	234.75	542	James Harper	269
ALLEN, O. R., etal	O. R. Allen, etal	7/28/1941	188	595	424.6	543	James Harper	269
BURLESON, C. R.	C. R. Burleson	7/28/1941	184	151	87	544	James Harper	269
MISSILDINE, Leon	Leon Missildine	3/6/1942	190	167	912.4	545	Collin M Akin	2
BALL, S. W., etal	S. W. Ball, etal	7/28/1941	192	136	104.3	546	Collin M Akin	2
WINGFIELD, M., etal	M. Wingfield, etal	7/28/1941	192	137	60	547	Collin M Akin	2
SCOTT, Jack	Jack Scott	3/3/1942	190	135	71.37	548	F Seidkum	546
HUBBARD, R. M., est	R. M. Hubbard, est	4/18/1942	190	322	75.33	549	F Seidkum	546
MITCHELL, A. L. and Nell	A. L. Mitchell and Nell Mitche		190	371	110	550	Francis Sithe	
HUBBARD, R. M., est	R. M. Hubbard, est	4/20/1942	190	321	48.57	551	Francis Sithe	520
PIERCE, Elizabeth A.	Elizabeth A. Pierce	7/28/1941	184	478	169	552	Francis Sithe	520
ISD, New Boston	New Boston ISD	7/28/1941	188	595	3	553	Francis Sithe	520
RUNNELS, Hardin R., estate	Hardin R. Runnels Estate	7/26/1941	183	526	0.25	554	Francis Sithe	520
PIRKEY, O. B.	O. B. Pirkey	7/28/1941	184	151	185	555	Francis Sithe	520
WALKER, Mayme	Mayme Walker	7/28/1941	184	478	25	556	Francis Sithe	520
SMITH, Stanley I.	Stanley I. Smith	5/4/1942	191	599	113.36	557	Francis Sithe	520
ECKE, Ella	Ella Ecke	7/2/1941	186	617	76	558	Francis Sithe	520
HARRIS, David W.	David W. Harris	7/28/1941	184	478	725.46	559	John Ball	25
DAVIS, Ruby and Harvey	Ruby & Harvey Davis	2/7/1942	186	275	50.91	560	John Ball	25
ROBERTSON, Benjamin F. & M. E.	Benjamin F. Robertson and M. E		190	310	175.25	561	John Ball	
LANG, H. W.	H. W. Lang	7/28/1941	188	595	175.45	568	John Ball	25
LANG, H. W.	H. W. Lang	7/28/1941	188	595	39.55	568	Francis Sithe	520
CARUTH, I. A.	I. A. Caruth	7/28/1941	189	476	27.5	569	Francis Sithe	520
WALKER, Mayme, etal	Mayme Walker, etal	7/28/1941	189	477	141	570	Francis Sithe	520
JONES, C. W.	C. W. Jones				100	571	Francis Sithe	
COLLEGE, Lon Morris	Lon Morris College	7/28/1941	189	477	52.9	572	Francis Sithe	520
COLLINS, Susan E.	Susan E. Colling	7/28/1941	189	477	106	573	Francis Sithe	520
HART, Ruby Neil	Ruby Neil Hart	5/9/1942	190	372	267	574	H R Runnels	512
HART, Ruby Neil	Ruby Neil Hart	5/9/1942	192	128	502.05	574	Francis Sithe	520
ESTES, L. N.	L. N. Estes	3/14/1942	190	190	75.63	575	F Seidkum	546
JONES, W. W., Mrs.	Mrs. W. W. Jones	7/28/1941	184	151	80	576	H R Runnels	512
ALLEN, W. C., etal	W. C. Allen, etal	7/28/1941	184	151	46.5	577	James Harper	269
ALLEN, W. C.	W. C. Allen	7/28/1941	184	152	111.5	579	James Harper	269
ANDERSON, T. J.	T. J. Anderson	5/20/1942	189	65	620	581	James Harper	269
JESTER, Lizzie, etal	Lizzie Jester, etal	7/28/1941	192	137	16.5	582	James Harper	269
YATES, L. M.	L. M. Yates	4/14/1942	190	294	61.05	583	James Harper	269
HUBBARD, Berta Lee	Berta Lee Hubbard	7/28/1941	189	478	83.3	584	James Harper	269
MAHONE, E. M.	E. M. Mahone	4/27/1942	192	108	310.1	586	Collin M Akin	2
TILL, Laura, etal	Laura Till, etal	7/28/1941	184	152	115	588	Collin M Akin	2
WEBSTER, W. H.	W. H. Webster	3/26/1942	190	241	105.15	589	Collin M Akin	2
SNIDER, S. H., etal	S. Snider, etal	4/2/1942	188	358	21.42	590	Collin M Akin	2
COLLINS, R. M.	R. M. Collins	5/18/1942	191	615	55.35	591	Collin M Akin	2
POTTS, Eula D.	Eula D. Potts	7/28/1941	189	478	18	592	Collin M Akin	2
MAHONE, Abe	Abe Mahone	7/28/1941	188	598	77	593	Collin M Akin	2
MAHONE, Abe	Abe Mahone	7/28/1941	188	598	150	593	H R Runnels	512
JONES, C. W.	C. W. Jones	7/28/1941	188	598	120.05	594	H R Runnels	512
BRUCE, Minnie, Mrs.	Mrs. Minnie Bruce	7/26/1941	183	595	37.5	595	H R Runnels	512
COLLOM, C. C., Mrs., etal	Mrs. C. C. Collom, etal	7/28/1941	190	299	137.5	596	H R Runnels	512
ALEXANDER, J. E.	J. E. Alexander	4/18/1942	190	324	24.29	597	Francis Sithe	520
RICHARDSON, D. R., Mrs.	Mrs. D. R. Richardson	7/28/1941	184	152	100	598	Francis Sithe	520
COLLOM, Joe M.	Joe M. Collom	7/28/1941	184	480	56	599	Francis Sithe	520
BROOKS, G. H.	G. H. Brooks	7/28/1941	184	152	213.5	600	Francis Sithe	520
COOKMAN, Minnie	Minnie Cookman	5/28/1942	190	429	115.57	601	Francis Sithe	520
SMITH, W. A.	W. A. Smith	3/20/1942	190	220	25.24	602	Francis Sithe	520
SMITH, Cater	Cater Smith	3/17/1942	190	201	50.48	603	Francis Sithe	520
BARBER, R. T.	R. T. Barber	5/18/1942	184	480	100	604	Francis Sithe	520
SMITH, Mamie Lee	Mamie Lee Smith	7/28/1941	189	478	25	605	Francis Sithe	520
COLLINS, Millage C.	Millage C. Collins	4/16/1942	190	306	23.11	607	Francis Sithe	520
JONES, Rosie	Rosie Jones	7/28/1941	189	479	24.5	608	Francis Sithe	520
GRAHAM, Sam	Sam Graham	1/20/1942	186	220	100.01	609	Francis Sithe	520
FISHER, C., estate	C. Fisher Estate				49.42	610	Francis Sithe	
TYSON, W. S.	W. S. Tyson	6/4/1942	189	67	26.81	611	Francis Sithe	520
CRINER, Carrie, etal	Carrie Criner, etal	7/28/1941	184	153	35	612	Francis Sithe	520
BAUCUM, Vassie, est	Vassie Baucum, est	7/28/1941	189	479	20	613	Francis Sithe	520
JOHNSON, George, etal	George Johnson, etal	7/28/1941	184	153	40	614	Francis Sithe	520
TYSON, W. S.	W. S. Tyson	7/28/1941	184	481	35.66	616	Francis Sithe	520
NICHOLSON, Tom	Tom Nicholson	7/28/1941	184	478	80	617	Francis Sithe	520
HAYS, J. L. & Willie	J. L. & Willie Hays	7/28/1941	184	153	551.88	618	Francis Sithe	520
POTTS, Eula D.	Eula D. Potts	7/28/1941	189	479	2	620	J A Reed	497
SNIDER, S. H., etal	S. H. Snider, etal	4/2/1942	188	360	109.5	621	J A Reed	497
BEAUCHAMP, W. C.	W. C. Beauchamp	5/23/1942	188	594	56.15	622	J A Reed	497
MAHONE, Abe	Abe Mahone	5/26/1942	191	640	81.04	623	D H White	639
MAHONE, J. M.	J. M. Mahone	7/28/1941	184	478	240	625	R M Lindsey	349
MAHONE, J. M.	J. M. Mahone	7/4/1942	184	478	177	625	Johnathan Collum	110

**TABLE D-1
RED RIVER ARSENAL TRACT OWNERS**

Name	Previous Owner	Date	Volume	Pages	Acreage	Tract	Survey	Survey No.
MILTON, J. S.	J. S. Milton	7/28/1941	188	599	78	627	D H White	639
MILTON, J. S.	J. S. Milton	7/28/1942	188	599	2.8	627	J A Reed	497
FULLER, M. B., Mrs.	Mrs. M. B. Fuller	7/28/1941	184	154	168	631	Charles Collum	108
WOODS, Earl S.	Earl S. Woods	7/28/1941	184	478	240	632	Charles Collum	108
CO, BURRUS Feed Mills	Burnus Feed Mills	7/28/1941	184	154	50	633	Francis Sithe	520
GRIFFIN, D. L. and Minnie	D. L. & Minnie Griffin	5/25/1942	184	421	80	634	C C Crump	991
HILL, Marie	Marie Hill	7/28/1941	184	478	3.2	635	Francis Sithe	520
HILL, Marie	Marie Hill	7/28/1941	184	478	2.8	636	Francis Sithe	520
BAUCUM, Vassie, est	Vassie Baucum, est	7/28/1941	189	479	4	637	Francis Sithe	520
BROWN, Lewis, est	Lewis Brown, est	7/26/1941	183	526	2	638	Francis Sithe	520
JOHNSON, William	William Johnson	5/12/1942	188	587	2.53	639	Francis Sithe	520
BARBER, Reethus	Reethus Barber	7/28/1941	184	478	45	640	Francis Sithe	520
CITY, New Boston	City of New Boston	7/28/1941	184	478	1.5	641	W. F. Thompson	565
TALLEY, T. J.	T. J. Talley	8/25/1942	189	415	4	642	T P Hawkins	266
HARLAND, S. E.	S. E. Harland	10/9/1941	184	146	0.29	700	H P Benningfield	16
HUGHES, Fannie L.	Fannie L. Hughes	9/19/1942	189	455	1.78	701	J S Herring	264
MURPHY, W. A.	W. A. Murphy	9/19/1942	189	456	2.98	702	J S Herring	264
FOSTER, Nora	Nora Foster	9/19/1942	189	456	2.04	703	J S Herring	264
STEWART, Lula	Lula Stewart	9/19/1942	189	456	0.21	704	J S Herring	264
MURPHY, est	Murphy Est	10/9/1941	184	145	2.98	705	J S Herring	264
NETTLES, W. L.	W. L. Nettles	10/9/1941	184	146	7.44	706	M E P & P Rwy Co	704
GREEN, Wm. F.	Wm. F. Green	9/19/1941	189	455	0.04	707	Daniel Morris	381
WILLIAMS, Ollie	Ollie Williams	10/9/1941	184	147	0.72	708	Daniel Morris	381
FAGAN, S. E.	S. E. Fagan	9/19/1942	184	457	1.98	709	Daniel Morris	381
HOLLOWAY, Jesse	Jesse Holloway	10/9/1941	184	147	3.11	710	Daniel Morris	381
LANE, A.	A. Lane	10/9/1941	184	148	0.67	711	Daniel Morris	381
LYNCH, S. E.	S. E. Lynch	3/3/1942	188	358	3.84	712	Daniel Morris	381



Sample Personnel Interview Questionnaire

Installation: RRAD
Interviewees: Ross Ramsauer, Jeff Gschwind,
Benny Murry and Terry Ruth Job Title: Various
Interviewer: D.Converse, J. Harrington,
and B. Lukash Interview Date: 8/3/06
Interview Start time: 1030 Interview Finish Time: 1130

Interviewee Background

1. Job responsibilities, areas of oversight (area/building/site-wide).
Conducted a conference call (CC) with personnel at RRAD to discuss historic
aerial photographs and unknown scarring identified on various photos. URS
supplied to RRAD aerial photos from the years 1940, 1949, 1953, 1960, 1968,
1975, 1980, and 1995. Nine specific sites were originally determined 'unknown'
and aerial photos for these sites were enlarged and shown through multiple
years (when applicable). RRAD gave us their opinions of what the possible
areas are/were.

Site 3- according to the CC, RRAD members believed it might have been an area
of where planting seeds were dropped off for the area. The area was believed to
be part of tree planting areas where seed may have been utilized. Later that day,
via an email, another RRAD person was asked about the area and the 'odd'
shapes that was shown for the area. He believed it might have been made by a
hay hauling operation where the cut grass was pulled on a flat trailer to a central
bailing operation. The central location may have been at the 'northern point of
the V shape' where a cleared area and bldgs may have been.

Sites 4, 5, 6, 10- all of these areas are believed to be burrowing pits where dirt,
sand, etc. was excavated for construction uses. Site 6 is located just south of
Old Boston Road where original transferring of the materials was shipped.

Site 14- believed was a low depression area where water collected and left
vegetation unable to grow.

Site 16- RRAD couldn't develop an opinion of the site and will continue to look
into asking others at RRAD to develop an idea. URS will leave the description as
unknown possibly as construction activities.

Site 18- RRAD said it was a clay pit (with a narrow road driving around the
perimeter).

Site 28- This area was originally used in the OTC area. The 1975 area map
shows vehicles, tents or trailers parked or stored in the area probably for the
OTC function use. 1980 shows the area as vacant and the 1995 area shows 3 or

4 ponds in the area which was used as catfish breeding ponds. The breeding ponds were originally dug with the clay excavated used for the capping of the OTC landfill site. The breeding ponds weren't successful and were later filled in with construction debris over the years with only the southernmost ponds corner remaining today.

During the CC, RRAD also gave us information regarding the NW Surveillance Test Range approximate boundaries. It has been misinterpreted from previous reports and Mr. Gschwind was to find more information regarding delineating it's boundary.

Sample Personnel Interview Questionnaire

Installation: RRAD
Interviewee: Tom Coleman Job Title: Pest Mgmt Coordinator
Interviewer: Dean Converse Interview Date: 6/28/06
Interview Start time: 08:35 Interview Finish Time: 09:15
(903) 334-2361

Interviewee Background

1. Job responsibilities, areas of oversight (area/building/site-wide).
Mr. Coleman has been at RRAD since '86. In charge of managing pesticide/herbicide/rodenticide applications from Bldg 286 (storage and mixing bldg). Pesticide management plan (Oct 04), Land Use Plan, ICRMP, etc.

Site Information

2. Describe the history of the site?
Contractors (Pest Masters) do most of spraying around fencing, igloos and roads and cemeteries (Hays only one in BRAC area).

3. Is the property or any adjoining property used for any of the following?

Gasoline/fueling station	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Motor repair facility	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Dry cleaners	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Photo developing laboratory	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Plating shop	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Medical or dental facility	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Junkyard or landfill	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Training area	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Waste treatment, storage, disposal, processing or recycling facility	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe:

Old OTC landfill in BRAC area.

4. Are there currently, or have there been previously any of the following stored on or used at the property or any adjoining property:

Asbestos	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know

Drums, sacks, cartons, or bulk chemical containers	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Hazardous materials	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Paints	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Pesticides (insecticides, herbicides, fungicides, avicides, rodenticides)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Petroleum products	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Radioactive materials	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe (include site and length of time of storage/use and condition of item):

Bulk chemical containers used to transport (pesticides, herbicides, etc) to use in BRAC area. Pesticides, etc used as needed or on yearly basis for specific needs in BRAC area. Petroleum used for vehicles in areas.

5. To the best of your knowledge, have any of the following been dumped, buried and/or burned on the property?

Asbestos	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Hazardous substances	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Ordnance/explosives	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Paints	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Pesticides	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Petroleum products	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Tires	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Any other waste materials	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe (locations and time periods of disposal):

Mr. Coleman verified that in '90-'91 a dump truck ran into a pesticide truck and spilled approx. 300 ga of diluted pesticide. No written documentation but soil was dug up and collected and applied in areas under appropriate % from PMP.

6. How were hazardous materials used at the site disposed of?

7. Was mercury used or contained in any machinery parts, or electrical, pressure, vacuum instruments, sprinkler check valves, or other items?

Yes No Don't Know

Please describe:

8. Have there been any discharges/spills of hazardous materials or petroleum products and their derivatives on the property?

Yes No Don't Know

Please describe:

See 5

9. What regulatory agencies were notified of the discharge/spill?

Please describe:

None?

10. Was soil and/or groundwater affected as a result of the discharges/spills?

Yes No Don't Know

Please describe:

See 5

11. Was any of the property used as a firing and/or bombing range (including skeet/trap and indoor ranges)?

Yes No Don't Know

Please describe:

12. Was any of the property used for fire training?

Yes No Don't Know

Please describe:

13. Was there a pesticide shop, storage or mixing area located on-site?

Yes No Don't Know

Please describe:

Bldg 286I; but not in BRAC area.

14. Have there been any demolition activities in this area or in relation to this facility?

Yes No Don't Know

Please describe:

15. Are there currently, or have there been previously, any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?

Yes No Don't Know

Please describe:

16. If wastewater was generated at the site, where/how was it treated?

17. Does the property discharge wastewater on or adjacent to the property other than storm water or into a sanitary sewer system?

Yes No Don't Know

Please describe:

18. Do you have knowledge of any documented environmental violations or environmental liens associated with the site?

Yes No Don't Know

Please describe:

19. Do you have knowledge of any environmental issues or information regarding properties adjacent to the site?

Yes No Don't Know

Please describe:

20. Are you aware of any other past activities or events or have you made any observations that you feel might be useful to this study?

Yes No Don't Know

Please describe:

21. Do you have knowledge of any other people who may have additional knowledge of activities at the site?

Yes No Don't Know

Please provide names:

22. Do you have knowledge of any documents that may provide additional useful information on potential impacts to the environment at the site? Examples: Environmental assessment reports, audits, permits, AST/UST registrations, MSDSs, community right-to-know plans, hydrogeologic reports, notices or other correspondence relating to past or current violations of environmental laws, SPCCs, hazardous waste generator notices, etc.

Yes No Don't Know

Please provide names:

PMP, ICRMP, INRMP

PMP (Pest Management Plan) would provide an inventory and use of pesticides, rodenticides and herbicides, etc.

Additional Information:

Pest Masters (contractors) spray igloos and fencing once a year. Various others used as need basis. Tarping on top of igloos.. not too many in the A and C areas (BRAC area).

Said all of the areas (except small area western 1/3 of area C) are culturally surveyed but not inventoried.

Sample Personnel Interview Questionnaire

Installation: RRAD
Interviewee: Wayne Francis Job Title: General Manager
Interviewer: Bill Lukash Interview Date: 14/8/06
Interview Start time: 2:30 PM Interview Finish Time: 2:45 PM

Interviewee Background

1. Job responsibilities, areas of oversight (area/building/site-wide).
Mr. Francis is the General Manager for URS, who operates some of the utilities at RRAD. Mr. Francis has been with URS for two years.

Site Information

2. Describe the history of the site?

N/A

3. Is the property or any adjoining property used for any of the following?

Gasoline/fueling station	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Motor repair facility	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Dry cleaners	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Photo developing laboratory	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Plating shop	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Medical or dental facility	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Junkyard or landfill	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Training area	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Waste treatment, storage, disposal, processing or recycling facility	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe:

He was aware of these activities and sites at RRAD, east of the WEP.

4. Are there currently, or have there been previously any of the following stored on or used at the property or any adjoining property:

Asbestos	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Automotive batteries	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know

Drums, sacks, cartons, or bulk chemical containers	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Hazardous materials	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Industrial batteries	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Paints	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Pesticides (insecticides, herbicides, fungicides, avicides, rodenticides)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Petroleum products	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Radioactive materials	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe (include site and length of time of storage/use and condition of item):

All of these things are on RRAD property, east of the WEP.

5. To the best of your knowledge, have any of the following been dumped, buried and/or burned on the property?

Asbestos	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Hazardous substances	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Ordnance/explosives	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Paints	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Pesticides	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Petroleum products	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Tires	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Any other waste materials	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe (locations and time periods of disposal):

Not aware of when, but has heard they did happen.

6. How were hazardous materials used at the site disposed of?

Disposed of in accordance with proper regulatory agency regulations.

7. Was mercury used or contained in any machinery parts, or electrical, pressure, vacuum instruments, sprinkler check valves, or other items?

Yes No Don't Know

Please describe:

N/A

8. Have there been any discharges/spills of hazardous materials or petroleum products and their derivatives on the property?

Yes No Don't Know

Please describe:

One RRAD property, east of the WEP.

9. What regulatory agencies were notified of the discharge/spill?

Please describe:

TCEQ

10. Was soil and/or groundwater affected as a result of the discharges/spills?

Yes No Don't Know

Please describe:

Soil was, not groundwater

11. Was any of the property used as a firing and/or bombing range (including skeet/trap and indoor ranges)?

Yes No Don't Know

Please describe:

N/A

12. Was any of the property used for fire training?

Yes No Don't Know

Please describe:

The OTC had a training area at one time.

13. Was there a pesticide shop, storage or mixing area located on-site?

Yes No Don't Know

Please describe:

N/A

14. Have there been any demolition activities in this area or in relation to this facility?

Yes No Don't Know

Please describe:

N/A

15. Are there currently, or have there been previously, any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?

Yes No Don't Know

Please describe:

N/A

16. If wastewater was generated at the site, where/how was it treated?

N/A

17. Does the property discharge wastewater on or adjacent to the property other than storm water or into a sanitary sewer system?

Yes No Don't Know

Please describe:

N/A

18. Do you have knowledge of any documented environmental violations or environmental liens associated with the site?

Yes No Don't Know

Please describe:

N/A

19. Do you have knowledge of any environmental issues or information regarding properties adjacent to the site?

Yes No Don't Know

Please describe:

He couldn't tell how many. There are several sites.

20. Are you aware of any other past activities or events or have you made any observations that you feel might be useful to this study?

Yes No Don't Know

Please describe:

N/A

21. Do you have knowledge of any other people who may have additional knowledge of activities at the site?

Yes No Don't Know

Please provide names:

RRAD Environmental Department

22. Do you have knowledge of any documents that may provide additional useful information on potential impacts to the environment at the site? Examples: Environmental assessment reports, audits, permits, AST/UST registrations, MSDSs, community right-to-know plans, hydrogeologic reports, notices or other correspondence relating to past or current violations of environmental laws, SPCCs, hazardous waste generator notices, etc.

Yes No Don't Know

Please provide names:

Documents at the RRAD Environmental Department.

Additional Information:

Mr. Francis was also contacted about the utilities at RRAD. Mr. Francis informed me that the RRAD WEP area does not have any utilities that he was aware of. He mentioned that electricity might be available out there but not water or sewer.

Sample Personnel Interview Questionnaire

Installation: RRAD, Environmental Division

Interviewee: Jeff Gschwind (903-344-4984)

Job Title: Geologist(Cleanup Program Manager)

Interviewer: Jady Harrington/Cliff Tompkims

Interviewee Background

1. Job responsibilities, areas of oversight (area/building/site-wide).

Maintains and manages groundwater issues on RAAD with the exception of

BRAC area, environmental studies, IRP, and MMRP. RRA Center

Environmental Advisor for demilining activities, ammunition, storage, shipping,
and renovation projects.

Site Information

2. Describe the history of the site?

3. Is the property or any adjoining property used for any of the following?

Gasoline/fueling station	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Motor repair facility	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Dry cleaners	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Photo developing laboratory	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Plating shop	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Medical or dental facility	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Junkyard or landfill	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Training area	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Waste treatment, storage, disposal, processing or recycling facility	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe:

OTC Landfill, bivwac, NW and SW Test Range. Provided MMRP and IAP
documents to copy.

4. Are there currently, or have there been previously any of the following stored on or used at the property or any adjoining property:

Asbestos	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Drums, sacks, cartons, or bulk chemical containers	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know

Hazardous materials	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Paints	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Pesticides (insecticides, herbicides, fungicides, avicides, rodenticides)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Petroleum products	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Radioactive materials	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe (include site and length of time of storage/use and condition of item):

Explosion in Area A, Igloo A7-07. The analytical back after explosion indicated that asbestos was in the weatherproofing (tar). The Explosion Binder excerpts were copied on-site. Mr. Gschwind indicated that igloo doors contain asbestos. Could not be confirmed on the as built provided. The igloo as built provided did not indicate that asbestos was in the door. Closure of the site was done internally. No formal closure. The soil and debris were landfilled (approved landfill). Indicated that only finished munitions were stored in the igloos. No radioactive material stored in the RRAD WEP igloos. Two igloos certified to storage HW; however no HW was stored in igloos. Smoke pots stored from 1989 to 1993 (contain oil). Y-sites open to elements, ammo stored in crates. Crates wood treated.

5. To the best of your knowledge, have any of the following been dumped, buried and/or burned on the property?

Asbestos	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Hazardous substances	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Ordnance/explosives	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Paints	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Pesticides	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Petroleum products	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Tires	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Any other waste materials	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe (locations and time periods of disposal):

OTC landfill has had solvents, paints, etc buried.

6. How were hazardous materials used at the site disposed of?

Detonated if off spec munitions.

7. Was mercury used or contained in any machinery parts, or electrical, pressure, vacuum instruments, sprinkler check valves, or other items?

Yes No Don't Know

Please describe:

N/A

8. Have there been any discharges/spills of hazardous materials or petroleum products and their derivatives on the property?

Yes No Don't Know

Please describe:

Not in RRAD WEP.

9. What regulatory agencies were notified of the discharge/spill?

Please describe:

Not in RRAD WEP.

10. Was soil and/or groundwater affected as a result of the discharges/spills?

Yes No Don't Know

Please describe:

OTC Landfill, SW and NW Test Ranges.

11. Was any of the property used as a firing and/or bombing range (including skeet/trap and indoor ranges)?

Yes No Don't Know

Please describe:

Southwest Test Range (refer to MMRP and IAP documents)

12. Was there a pesticide shop, storage or mixing area located on-site?

Yes No Don't Know

Please describe:

Not in RRAD WEP.

14. Have there been any demolition activities in this area or in relation to this facility?

Yes No Don't Know

Please describe:
Not in RRAD WEP.

15. Are there currently, or have there been previously, any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?

Yes No Don't Know

Please describe:
Not in RRAD WEP.

16. If wastewater was generated at the site, where/how was it treated?
Not in RRAD WEP.

17. Does the property discharge wastewater on or adjacent to the property other than storm water or into a sanitary sewer system?

Yes No Don't Know

Please describe:
New Boston's sewage treatment plant discharges crosses the RRAD and eventually ends up in Bib Creek (refer to pictures 3 and 4 Appendix C, Table 2, Part 1).

18. Do you have knowledge of any documented environmental violations or environmental liens associated with the site?

Yes No Don't Know

Please describe:
Not in RRAD WEP.

19. Do you have knowledge of any environmental issues or information regarding properties adjacent to the site?

Yes No Don't Know

Please describe:
N/A

20. Are you aware of any other past activities or events or have you made any observations that you feel might be useful to this study?

Yes No Don't Know

Please describe:

Kerosene spill from unknown source flowed on-site entered RAAD WEP in the northwest corner. Team B got pictures.

21. Do you have knowledge of any other people who may have additional knowledge of activities at the site?

Yes No Don't Know

Please provide names:

N/A

22. Do you have knowledge of any documents that may provide additional useful information on potential impacts to the environment at the site? Examples: Environmental assessment reports, audits, permits, AST/UST registrations, MSDSs, community right-to-know plans, hydrogeologic reports, notices or other correspondence relating to past or current violations of environmental laws, SPCCs, hazardous waste generator notices, etc.

Yes No Don't Know

Please provide names:

EA, MMRP and IAP documents

Additional Information:

Sample Personnel Interview Questionnaire

Installation: RRAD
 Interviewee: Oren Hefley Job Title: Environmental Eng.
 Interviewer: Dean Converse Interview Date: 6/28/06
 Interview Start time: 10:05 Interview Finish Time: 10:45
 (903) 334-4761

Interviewee Background

1. Job responsibilities, areas of oversight (area/building/site-wide).
Spill response coordinator, Waste & Storm Water Prog. Manager,
Assistant to storage tanks. Replaced Jim Lillard (retired) in '04.

Site Information

2. Describe the history of the site?

3. Is the property or any adjoining property used for any of the following?

Gasoline/fueling station	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Motor repair facility	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Dry cleaners	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Photo developing laboratory	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Plating shop	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Medical or dental facility	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Junkyard or landfill	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Training area	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Waste treatment, storage, disposal, processing or recycling facility	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe:

A 1,500 ga. Diesel AST south of area F had leak into a contained earthen
bermed area. Est. 500 ga contained and microbial absorbants added to spill
area and RRAD pumped oil and disposed into DRMO recycling off BRAC site.
DRMO has 4 ASTs for disposed oils.. east of BRAC area.

4. Are there currently, or have there been previously any of the following stored on or used at the property or any adjoining property:

Asbestos	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know

Drums, sacks, cartons, or bulk chemical containers	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Hazardous materials	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Paints	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Pesticides (insecticides, herbicides, fungicides, avicides, rodenticides)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Petroleum products	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Radioactive materials	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know

Please describe (include site and length of time of storage/use and condition of item):

5. To the best of your knowledge, have any of the following been dumped, buried and/or burned on the property?

Asbestos	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Hazardous substances	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Ordnance/explosives	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Paints	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Pesticides	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Petroleum products	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Tires	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Any other waste materials	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know

Please describe (locations and time periods of disposal):

6. How were hazardous materials used at the site disposed of?

7. Was mercury used or contained in any machinery parts, or electrical, pressure, vacuum instruments, sprinkler check valves, or other items?

Yes No Don't Know

Please describe:

8. Have there been any discharges/spills of hazardous materials or petroleum products and their derivatives on the property?

Yes No Don't Know

Please describe:

See 3 and possible history of Kerosene from off site in NW corner. See 22.

9. What regulatory agencies were notified of the discharge/spill?

Please describe:

None?

10. Was soil and/or groundwater affected as a result of the discharges/spills?

Yes No Don't Know

Please describe:

In containment for AST south of area F (possible migration to the west).

11. Was any of the property used as a firing and/or bombing range (including skeet/trap and indoor ranges)?

Yes No Don't Know

Please describe:

12. Was any of the property used for fire training?

Yes No Don't Know

Please describe:

13. Was there a pesticide shop, storage or mixing area located on-site?

Yes No Don't Know

Please describe:

14. Have there been any demolition activities in this area or in relation to this facility?

Yes No Don't Know

Please describe:

15. Are there currently, or have there been previously, any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?

Yes No Don't Know

Please describe:

16. If wastewater was generated at the site, where/how was it treated?

17. Does the property discharge wastewater on or adjacent to the property other than storm water or into a sanitary sewer system?

Yes No Don't Know

Please describe:

3 stormwater discharge sites near OTC landfill. 2 of them flow into Big Creek.

18. Do you have knowledge of any documented environmental violations or environmental liens associated with the site?

Yes No Don't Know

Please describe:

19. Do you have knowledge of any environmental issues or information regarding properties adjacent to the site?

Yes No Don't Know

Please describe:

20. Are you aware of any other past activities or events or have you made any observations that you feel might be useful to this study?

Yes No Don't Know

Please describe:

21. Do you have knowledge of any other people who may have additional knowledge of activities at the site?

Yes No Don't Know

Please provide names:

22. Do you have knowledge of any documents that may provide additional useful information on potential impacts to the environment at the site? Examples: Environmental assessment reports, audits, permits, AST/UST registrations, MSDSs, community right-to-know plans, hydrogeologic reports, notices or other correspondence relating to past or current violations of environmental laws, SPCCs, hazardous waste generator notices, etc.

Yes No Don't Know

Please provide names:

SWPPP

Additional Information:

Gave Record of Visual Examination of Storm Water-RRAD did Lab analysis. TPDES Multisector General Permit TXR050000 for stormwater discharges on TCEQ website. General Permit expires Aug 06. Draft online.

Mr. Hefley wasn't around for possible Kerosene spill into NW stream. From what he knows 10 yrs ago. State might have record of cleanup but nothing available at RRAD. Minor accumulation on RRAD property (couple 100') RRAD did the cleanup with booms and pumped off schene. No documentation available. No known USTs/ASTs in BRAC area. No known dumping.

Sample Personnel Interview Questionnaire

Installation: RRAD
Interviewee: Kathy Moore Job Title: Director
Interviewer: Bill Lukash Interview Date: 14/8/06
Interview Start time: 10:15 AM Interview Finish Time: 10:30 AM

Interviewee Background

1. Job responsibilities, areas of oversight (area/building/site-wide).
Mrs. Moore is the Director of the Bowie County Health Department. She has
worked there for 16 years.

Site Information

2. Describe the history of the site?
N/A

3. Is the property or any adjoining property used for any of the following?

Gasoline/fueling station	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Motor repair facility	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Dry cleaners	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Photo developing laboratory	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Plating shop	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Medical or dental facility	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Junkyard or landfill	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Training area	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Waste treatment, storage, disposal, processing or recycling facility	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know

Please describe:

N/A

4. Are there currently, or have there been previously any of the following stored on or used at the property or any adjoining property:

Asbestos	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know

Drums, sacks, cartons, or bulk chemical containers	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Hazardous materials	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Paints	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Pesticides (insecticides, herbicides, fungicides, avicides, rodenticides)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Petroleum products	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Radioactive materials	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know

Please describe (include site and length of time of storage/use and condition of item):

N/A

5. To the best of your knowledge, have any of the following been dumped, buried and/or burned on the property?

Asbestos	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Hazardous substances	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Ordnance/explosives	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Paints	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Pesticides	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Petroleum products	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Tires	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Any other waste materials	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know

Please describe (locations and time periods of disposal):

N/A

6. How were hazardous materials used at the site disposed of?

N/A

7. Was mercury used or contained in any machinery parts, or electrical, pressure, vacuum instruments, sprinkler check valves, or other items?

Yes No Don't Know

Please describe:

N/A

8. Have there been any discharges/spills of hazardous materials or petroleum products and their derivatives on the property?

Yes No Don't Know

Please describe:

N/A

9. What regulatory agencies were notified of the discharge/spill?

Please describe:

N/A

10. Was soil and/or groundwater affected as a result of the discharges/spills?

Yes No Don't Know

Please describe:

N/A

11. Was any of the property used as a firing and/or bombing range (including skeet/trap and indoor ranges)?

Yes No Don't Know

Please describe:

N/A

12. Was any of the property used for fire training?

Yes No Don't Know

Please describe:

N/A

13. Was there a pesticide shop, storage or mixing area located on-site?

Yes No Don't Know

Please describe:

N/A

14. Have there been any demolition activities in this area or in relation to this facility?

Yes No Don't Know

Please describe:

N/A

15. Are there currently, or have there been previously, any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?

Yes No Don't Know

Please describe:

N/A

16. If wastewater was generated at the site, where/how was it treated?

N/A

17. Does the property discharge wastewater on or adjacent to the property other than storm water or into a sanitary sewer system?

Yes No Don't Know

Please describe:

N/A

18. Do you have knowledge of any documented environmental violations or environmental liens associated with the site?

Yes No Don't Know

Please describe:

Mrs. Moore was not aware of any documented environmental issues at RRAD but believed it was possible.

19. Do you have knowledge of any environmental issues or information regarding properties adjacent to the site?

Yes No Don't Know

Please describe:

Mrs. Moore said she was not aware of any environmental problems at or near RRAD property.

20. Are you aware of any other past activities or events or have you made any observations that you feel might be useful to this study?

Yes No Don't Know

Please describe:

N/A

21. Do you have knowledge of any other people who may have additional knowledge of activities at the site?

Yes No Don't Know

Please provide names:

Mrs. Moore said to contact RRAD.

22. Do you have knowledge of any documents that may provide additional useful information on potential impacts to the environment at the site? Examples: Environmental assessment reports, audits, permits, AST/UST registrations, MSDSs, community right-to-know plans, hydrogeologic reports, notices or other correspondence relating to past or current violations of environmental laws, SPCCs, hazardous waste generator notices, etc.

Yes No Don't Know

Please provide names:

N/A

Additional Information:

Mrs. Moore was primarily contacted to see if there had been any reports or incidents of poor public health that could be attributable to RRAD, or if she was aware of any public health risks at RRAD. Mrs. Moore said she was not aware of any problems due to activities at RRAD.

Sample Personnel Interview Questionnaire

Installation: RRAD
Interviewee: Benny Murry (903-277-1284)
Job Title: Supervisor Forestry, Land and Wildlife
Interviewer: Jady Harrington

Interviewee Background

1. Job responsibilities, areas of oversight (area/building/site-wide).
Maintains and manages timber resource and wildlife on RRAD. Employment start date was 1982.

Site Information

2. Describe the history of the site?
RRAD WEP South of Spruce Road.

Ground scarring located west of Area B (within the Area C fence line) is an old gravel pit. The pit has filled with water over time and is now a large pond (refer to pictures 3 and 4 Appendix C, Table 2, part 1).

Sandhill (refer to pictures 5 through 13, Appendix C, Table 2, Part 1) is a naturally occurring sand hill. The sand was historically used on site during construction provides as a sand source.

The SW Test Range is located in the southwest corner of the RRAD WEP. Refer to the MMRP and IAP documents for historic use a operation dates. The area now is vegetated over. One storage shed (Building 850), test stands, and bunkers were noted during the visual inspection refer to pictures 3 and 4 Appendix C, Table 2, Part 1, pictures 14 through 22).

3. Is the property or any adjoining property used for any of the following?

Gasoline/fueling station	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Motor repair facility	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Dry cleaners	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Photo developing laboratory	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Plating shop	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Medical or dental facility	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Junkyard or landfill	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Training area	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Waste treatment, storage, disposal, processing or recycling facility	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe:

OTC Landfill, bivwac, and NW Test Range done by Team A.

4. Are there currently, or have there been previously any of the following stored on or used at the property or any adjoining property:

Asbestos	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Drums, sacks, cartons, or bulk chemical containers	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Hazardous materials	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Paints	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Pesticides (insecticides, herbicides, fungicides, avicides, rodenticides)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Petroleum products	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Radioactive materials	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe (include site and length of time of storage/use and condition of item):

OTC Landfill, bivwac, NW Test Range, and storage area done by Team B

5. To the best of your knowledge, have any of the following been dumped, buried and/or burned on the property?

Asbestos	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Hazardous substances	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Ordnance/explosives	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Paints	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Pesticides	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Petroleum products	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Tires	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Any other waste materials	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe (locations and time periods of disposal):

South of Spruce, it was noted that industrial waste water treatment plant sludge was dumped at sand hill (refer to Appendix C, Table 1, pictures 20 and 21). New Boston's sewage treatment plant discharges crosses the RRAD and eventually ends up in Bib Creek (refer to pictures 3 and 4 Appendix C, Table 2, Part 1).

6. How were hazardous materials used at the site disposed of?

None

7. Was mercury used or contained in any machinery parts, or electrical, pressure, vacuum instruments, sprinkler check valves, or other items?

Yes No Don't Know

Please describe:

N/A

8. Have there been any discharges/spills of hazardous materials or petroleum products and their derivatives on the property?

Yes No Don't Know

Please describe:

N/A

9. What regulatory agencies were notified of the discharge/spill?

Please describe:

N/A

10. Was soil and/or groundwater affected as a result of the discharges/spills?

Yes No Don't Know

Please describe:

N/A

11. Was any of the property used as a firing and/or bombing range (including skeet/trap and indoor ranges)?

Yes No Don't Know

Please describe:

Southwest Test Range (refer to MMRP and IAP documents)

12. Was there a pesticide shop, storage or mixing area located on-site?

Yes No Don't Know

Please describe:

N/A

14. Have there been any demolition activities in this area or in relation to this facility?

Yes No Don't Know

Please describe:

N/A

15. Are there currently, or have there been previously, any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?

Yes No Don't Know

Please describe:

N/A

16. If wastewater was generated at the site, where/how was it treated?

N/A

17. Does the property discharge wastewater on or adjacent to the property other than storm water or into a sanitary sewer system?

Yes No Don't Know

Please describe:

New Boston's sewage treatment plant discharges crosses the RRAD and eventually ends up in Bib Creek (refer to pictures 3 and 4 Appendix C, Table 2, Part 1).

18. Do you have knowledge of any documented environmental violations or environmental liens associated with the site?

Yes No Don't Know

Please describe:

N/A

19. Do you have knowledge of any environmental issues or information regarding properties adjacent to the site?

Yes No Don't Know

Please describe:

N/A

20. Are you aware of any other past activities or events or have you made any observations that you feel might be useful to this study?

Yes No Don't Know

Please describe:

N/A

21. Do you have knowledge of any other people who may have additional knowledge of activities at the site?

Yes No Don't Know

Please provide names:

N/A

22. Do you have knowledge of any documents that may provide additional useful information on potential impacts to the environment at the site? Examples: Environmental assessment reports, audits, permits, AST/UST registrations, MSDSs, community right-to-know plans, hydrogeologic reports, notices or other correspondence relating to past or current violations of environmental laws, SPCCs, hazardous waste generator notices, etc.

Yes No Don't Know

Please provide names:

MMRP and IAP documents

Additional Information:

Noted numerous cultural sites during the VSI, Hays Cemetery and the old home
stead located in the southwest corner of the RRAD WEP (refer to Appendix C,
Table 2, Part 1, pictures 24 through 27). Numerous food plots on the RRAD
WEP. Timber harvest activities are prevalent in the RRAD WEP. Control burns
completed every four years.

Sample Personnel Interview Questionnaire

Installation: RRAD
Interviewee: Andrew Pagley Job Title: Fire Chief
Interviewer: Bill Lukash Interview Date: 14/8/06
Interview Start time: 10:00 AM Interview Finish Time: 10:05 AM

Interviewee Background

1. Job responsibilities, areas of oversight (area/building/site-wide).
Mr. Pagley is the Fire Chief at RRAD. He has been the Fire Chief since 2004.

Site Information

2. Describe the history of the site?
N/A

3. Is the property or any adjoining property used for any of the following?

Gasoline/fueling station	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Motor repair facility	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Dry cleaners	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Photo developing laboratory	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Plating shop	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Medical or dental facility	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Junkyard or landfill	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Training area	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Waste treatment, storage, disposal, processing or recycling facility	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe:
N/A

4. Are there currently, or have there been previously any of the following stored on or used at the property or any adjoining property:

Asbestos	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know

Drums, sacks, cartons, or bulk chemical containers	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Hazardous materials	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Paints	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Pesticides (insecticides, herbicides, fungicides, avicides, rodenticides)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Petroleum products	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Radioactive materials	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe (include site and length of time of storage/use and condition of item):

N/A

5. To the best of your knowledge, have any of the following been dumped, buried and/or burned on the property?

Asbestos	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Hazardous substances	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Ordnance/explosives	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Paints	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Pesticides	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Petroleum products	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Tires	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Any other waste materials	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know

Please describe (locations and time periods of disposal):

Referred URS to Environmental Department

6. How were hazardous materials used at the site disposed of?

Referred URS to Environmental Department

7. Was mercury used or contained in any machinery parts, or electrical, pressure, vacuum instruments, sprinkler check valves, or other items?

Yes No Don't Know

Please describe:
Referred URS to Environmental Department

8. Have there been any discharges/spills of hazardous materials or petroleum products and their derivatives on the property?

Yes No Don't Know

Please describe:
Referred URS to Environmental Department

9. What regulatory agencies were notified of the discharge/spill?

Please describe:
Referred URS to Environmental Department

10. Was soil and/or groundwater affected as a result of the discharges/spills?

Yes No Don't Know

Please describe:
Referred URS to Environmental Department

11. Was any of the property used as a firing and/or bombing range (including skeet/trap and indoor ranges)?

Yes No Don't Know

Please describe:

N/A

12. Was any of the property used for fire training?

Yes No Don't Know

Please describe:
Not located in RRAD WEP

13. Was there a pesticide shop, storage or mixing area located on-site?

Yes No Don't Know

Please describe:

N/A

14. Have there been any demolition activities in this area or in relation to this facility?

Yes No Don't Know

Please describe:

Referred URS to Environmental Department

15. Are there currently, or have there been previously, any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?

Yes No Don't Know

Please describe:

OTC Burial Site

16. If wastewater was generated at the site, where/how was it treated?

Not in RRAD WEP

17. Does the property discharge wastewater on or adjacent to the property other than storm water or into a sanitary sewer system?

Yes No Don't Know

Please describe:

N/A

18. Do you have knowledge of any documented environmental violations or environmental liens associated with the site?

Yes No Don't Know

Please describe:

OTC Burial Site, NW Range, and SW Range

19. Do you have knowledge of any environmental issues or information regarding properties adjacent to the site?

Yes No Don't Know

Please describe:

Referred URS to Environmental Department

20. Are you aware of any other past activities or events or have you made any observations that you feel might be useful to this study?

Yes No Don't Know

Please describe:

N/A

21. Do you have knowledge of any other people who may have additional knowledge of activities at the site?

Yes No Don't Know

Please provide names:

Referred URS to Environmental Department

22. Do you have knowledge of any documents that may provide additional useful information on potential impacts to the environment at the site? Examples: Environmental assessment reports, audits, permits, AST/UST registrations, MSDSs, community right-to-know plans, hydrogeologic reports, notices or other correspondence relating to past or current violations of environmental laws, SPCCs, hazardous waste generator notices, etc.

Yes No Don't Know

Please provide names:

Referred URS to Environmental Department

Additional Information:

Mr. Pagley was contacted to see if he knew of any problems in the RRAD WEP which may have gone unreported, or locations of potential concerns in that area. Mr. Pagley said that he had no knowledge of any problems, but that he had only been at RRAD for 2 years so his historical knowledge wasn't that good. He referred me to the Environmental Department at RRAD for more information.

Sample Personnel Interview Questionnaire

Installation: RRAD
Interviewee: Ross Ramsauer Job Title: BRAC Env. Coordinator
Interviewer: Dean Converse Interview Date: 6/28, 6/29/06
Interview Start time: _____ Interview Finish Time: _____
(903) 334-2594

Interviewee Background

1. Job responsibilities, areas of oversight (area/building/site-wide).
Leads the BRAC Cleanup Team to determine corrective actions and restoration requirements for property affected by past Army actions that was exceeded during BRAC '95 & '05. Assures the installation's BRAC cleanup activities are completed in full. Develops, reviews and approves cost estimates, plans, specifications and documentation for remediation projects to ensure human health and local ecology is protected.

Site Information

2. Describe the history of the site?
WEP area will consist of aprox 3835 acres of the western portion of RRAD. Includes Igloos in Area A, B, C, OTC landfill, NW & SW Surveillance Test Ranges, Hays Cemetery, and various cultural resource sites.

3. Is the property or any adjoining property used for any of the following?

Gasoline/fueling station	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Motor repair facility	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Dry cleaners	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Photo developing laboratory	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Plating shop	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Medical or dental facility	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Junkyard or landfill	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Training area	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Waste treatment, storage, disposal, processing or recycling facility	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe:

Mr. Ramsauer showed us the location of Old OTC landfill in BRAC area.

4. Are there currently, or have there been previously any of the following stored on or used at the property or any adjoining property:

Asbestos	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Drums, sacks, cartons, or bulk chemical containers	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Hazardous materials	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Paints	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Pesticides (insecticides, herbicides, fungicides, avicides, rodenticides)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Petroleum products	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Radioactive materials	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe (include site and length of time of storage/use and condition of item):

Bulk chemical containers used to transport (pesticides, herbicides, etc) to use in WEP area. Pesticides, etc used as needed or on yearly basis for specific needs in WEP area. Petroleum used for vehicles in areas with timber cutting. Drums stored at old OTC landfill.

5. To the best of your knowledge, have any of the following been dumped, buried and/or burned on the property?

Asbestos	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Hazardous substances	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Ordnance/explosives	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Paints	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Pesticides	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Petroleum products	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Tires	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Any other waste materials	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe (locations and time periods of disposal):

Sludge generated from wastewater treatment processes at RRAD was being dumped in the WEP, north of the Southwest Surveillance Function Test Range. Exact time is not known but current practices don't dispose of the sludge there anymore.

Northwest and Southwest Surveillance Function Test Ranges tested multiple munitions which may still be present in areas.

6. How were hazardous materials used at the site disposed of?
OTC Landfill

7. Was mercury used or contained in any machinery parts, or electrical, pressure, vacuum instruments, sprinkler check valves, or other items?

Yes No Don't Know

Please describe:

8. Have there been any discharges/spills of hazardous materials or petroleum products and their derivatives on the property?

Yes No Don't Know

Please describe:

9. What regulatory agencies were notified of the discharge/spill?

Please describe:

10. Was soil and/or groundwater affected as a result of the discharges/spills?

Yes No Don't Know

Please describe:

11. Was any of the property used as a firing and/or bombing range (including skeet/trap and indoor ranges)?

Yes No Don't Know

Please describe:

NW and SW Surveillance Function Test Ranges.

12. Was any of the property used for fire training?

Yes No Don't Know

Please describe:

13. Was there a pesticide shop, storage or mixing area located on-site?

Yes No Don't Know

Please describe:

14. Have there been any demolition activities in this area or in relation to this facility?

Yes No Don't Know

Please describe:

15. Are there currently, or have there been previously, any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?

Yes No Don't Know

Please describe:

Sludge Pits. Several areas in the WEP where soil, clay, rock was excavated which may have filled with water over time.

16. If wastewater was generated at the site, where/how was it treated?

17. Does the property discharge wastewater on or adjacent to the property other than storm water or into a sanitary sewer system?

Yes No Don't Know

Please describe:

18. Do you have knowledge of any documented environmental violations or environmental liens associated with the site?

Yes No Don't Know

Please describe:

19. Do you have knowledge of any environmental issues or information regarding properties adjacent to the site?

Yes No Don't Know

Please describe:

Kerosene spill off site in the northwest corner, drained into a stream and carried into RRAD WEP property. Approx 200' to 300' of the stream within the WEP was buoyed and cleaned up by RRAD. No reporting or testing was done at the site.

20. Are you aware of any other past activities or events or have you made any observations that you feel might be useful to this study?

Yes No Don't Know

Please describe:

21. Do you have knowledge of any other people who may have additional knowledge of activities at the site?

Yes No Don't Know

Please provide names:

22. Do you have knowledge of any documents that may provide additional useful information on potential impacts to the environment at the site? Examples: Environmental assessment reports, audits, permits, AST/UST registrations, MSDSs, community right-to-know plans, hydrogeologic reports, notices or other correspondence relating to past or current violations of environmental laws, SPCCs, hazardous waste generator notices, etc.

Yes No Don't Know

Please provide names:

Already supplied.

Additional Information:

Talk to Jeff Gschwind.

Sample Personnel Interview Questionnaire

Installation: RRAD
Interviewee: Larry Scrivner
(903) 334 or 434-3874
Interviewer: Dean Converse
Interview Start time: 08:30

Job Title: Systems Analyst
Interview Date: 06/27/06
Interview Finish Time: 12:00

Interviewee Background

1. Job responsibilities, areas of oversight (area/building/site-wide).
Systems Management. Ammo Storage Oversight for 5 yrs. 32 yrs with
RRAD, RRAC, RRRRA.

Site Information

2. Describe the history of the site?
Storage igloos. Visited 14-16 storage igloos, at Area A, west side of Area
B and Area C of to be BRAC area. One of the igloos (A-7-7) burned down and is
now used for open storage. Several open storage areas (Y-sites) are also in the
areas. One storm shelter was also visited.

3. Is the property or any adjoining property used for any of the following?

Gasoline/fueling station	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Motor repair facility	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Dry cleaners	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Photo developing laboratory	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Plating shop	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Medical or dental facility	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Junkyard or landfill	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Training area	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Waste treatment, storage, disposal, processing or recycling facility	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe:

4. Are there currently, or have there been previously any of the following stored on or used at the property or any adjoining property:

Asbestos	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Drums, sacks, cartons, or bulk chemical containers	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Hazardous materials	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Paints	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Pesticides (insecticides, herbicides, fungicides, avicides, rodenticides)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Petroleum products	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Radioactive materials	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe (include site and length of time of storage/use and condition of item):

Ammo parts (boosters, fuses, grenades, 2.75 RRT, 155 and 105 mm artillery round propellants, Hawk and Mavericks). Asbestos thought to be inside doors.

5. To the best of your knowledge, have any of the following been dumped, buried and/or burned on the property?

Asbestos	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Hazardous substances	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Ordnance/explosives	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Paints	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Pesticides	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Petroleum products	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Tires	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know
Any other waste materials	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Don't Know

Please describe (locations and time periods of disposal):

A-7-7 (igloo that burned) asbestos in the door may have been burned.

6. How were hazardous materials used at the site disposed of?

7. Was mercury used or contained in any machinery parts, or electrical, pressure, vacuum instruments, sprinkler check valves, or other items?

Yes No Don't Know

Please describe:

8. Have there been any discharges/spills of hazardous materials or petroleum products and their derivatives on the property?

Yes No Don't Know

Please describe:

9. What regulatory agencies were notified of the discharge/spill?

Please describe:

10. Was soil and/or groundwater affected as a result of the discharges/spills?

Yes No Don't Know

Please describe:

11. Was any of the property used as a firing and/or bombing range (including skeet/trap and indoor ranges)?

Yes No Don't Know

Please describe:

12. Was any of the property used for fire training?

Yes No Don't Know

Please describe:

13. Was there a pesticide shop, storage or mixing area located on-site?

Yes No Don't Know

Please describe:

14. Have there been any demolition activities in this area or in relation to this facility?

Yes No Don't Know

Please describe:

A-7-7 burned and collapsed. May be additional info in HRR provided.

15. Are there currently, or have there been previously, any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?

Yes No Don't Know

Please describe:

16. If wastewater was generated at the site, where/how was it treated?

17. Does the property discharge wastewater on or adjacent to the property other than storm water or into a sanitary sewer system?

Yes No Don't Know

Please describe:

18. Do you have knowledge of any documented environmental violations or environmental liens associated with the site?

Yes No Don't Know

Please describe:

19. Do you have knowledge of any environmental issues or information regarding properties adjacent to the site?

Yes No Don't Know

Please describe:

20. Are you aware of any other past activities or events or have you made any observations that you feel might be useful to this study?

Yes No Don't Know

Please describe:

21. Do you have knowledge of any other people who may have additional knowledge of activities at the site?

Yes No Don't Know

Please provide names:

Harrel Hignight - Director

22. Do you have knowledge of any documents that may provide additional useful information on potential impacts to the environment at the site? Examples: Environmental assessment reports, audits, permits, AST/UST registrations, MSDSs, community right-to-know plans, hydrogeologic reports, notices or other correspondence relating to past or current violations of environmental laws, SPCCs, hazardous waste generator notices, etc.

Yes No Don't Know

Please provide names:

Additional Information:

Sample Personnel Interview Questionnaire

Installation: RRAD
Interviewee: Sheri Wade Job Title: Asst. Bio-Terrorism
Coordinator
Interviewer: Bill Lukash Interview Date: 14/8/06
Interview Start time: 10:05 AM Interview Finish Time: 10:15 AM

Interviewee Background

1. Job responsibilities, areas of oversight (area/building/site-wide).
Ms. Wade has been the Assistant Bio-Terrorism Coordinator at the Bowie County Health Department for two years.

Site Information

2. Describe the history of the site?

N/A

3. Is the property or any adjoining property used for any of the following?

Gasoline/fueling station	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Motor repair facility	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Dry cleaners	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Photo developing laboratory	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Plating shop	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Medical or dental facility	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Junkyard or landfill	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Training area	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Waste treatment, storage, disposal, processing or recycling facility	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know

Please describe:

N/A

4. Are there currently, or have there been previously any of the following stored on or used at the property or any adjoining property:

Asbestos	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know

Drums, sacks, cartons, or bulk chemical containers	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Hazardous materials	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Paints	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Pesticides (insecticides, herbicides, fungicides, avicides, rodenticides)	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Petroleum products	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Radioactive materials	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know

Please describe (include site and length of time of storage/use and condition of item):

N/A

5. To the best of your knowledge, have any of the following been dumped, buried and/or burned on the property?

Asbestos	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Automotive batteries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Hazardous substances	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Industrial batteries	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Ordnance/explosives	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Paints	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Pesticides	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Petroleum products	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Tires	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know
Any other waste materials	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Don't Know

Please describe (locations and time periods of disposal):

N/A

6. How were hazardous materials used at the site disposed of?

N/A

7. Was mercury used or contained in any machinery parts, or electrical, pressure, vacuum instruments, sprinkler check valves, or other items?

Yes No Don't Know

Please describe:

N/A

8. Have there been any discharges/spills of hazardous materials or petroleum products and their derivatives on the property?

Yes No Don't Know

Please describe:

N/A

9. What regulatory agencies were notified of the discharge/spill?

Please describe:

N/A

10. Was soil and/or groundwater affected as a result of the discharges/spills?

Yes No Don't Know

Please describe:

N/A

11. Was any of the property used as a firing and/or bombing range (including skeet/trap and indoor ranges)?

Yes No Don't Know

Please describe:

N/A

12. Was any of the property used for fire training?

Yes No Don't Know

Please describe:

N/A

13. Was there a pesticide shop, storage or mixing area located on-site?

Yes No Don't Know

Please describe:

N/A

14. Have there been any demolition activities in this area or in relation to this facility?

Yes No Don't Know

Please describe:

N/A

15. Are there currently, or have there been previously, any pits, ponds or lagoons located on the property in connection with waste treatment or waste disposal?

Yes No Don't Know

Please describe:

N/A

16. If wastewater was generated at the site, where/how was it treated?

N/A

17. Does the property discharge wastewater on or adjacent to the property other than storm water or into a sanitary sewer system?

Yes No Don't Know

Please describe:

N/A

18. Do you have knowledge of any documented environmental violations or environmental liens associated with the site?

Yes No Don't Know

Please describe:

N/A

19. Do you have knowledge of any environmental issues or information regarding properties adjacent to the site?

Yes No Don't Know

Please describe:

N/A

20. Are you aware of any other past activities or events or have you made any observations that you feel might be useful to this study?

Yes No Don't Know

Please describe:

N/A

21. Do you have knowledge of any other people who may have additional knowledge of activities at the site?

Yes No Don't Know

Please provide names:

Ms. Wade said I should contact Kathy Moore, who is the Bowie County Health Department Director. An interview form for Mrs. Moore was filled out.

22. Do you have knowledge of any documents that may provide additional useful information on potential impacts to the environment at the site? Examples: Environmental assessment reports, audits, permits, AST/UST registrations, MSDSs, community right-to-know plans, hydrogeologic reports, notices or other correspondence relating to past or current violations of environmental laws, SPCCs, hazardous waste generator notices, etc.

Yes No Don't Know

Please provide names:

N/A

Additional Information:

Ms. Wade was contacted to see if she was aware of any complaints or concerns about activities at RRAD that may effect human health. Ms. Wade referred me to Mrs. Moore, the Director of the Bowie County Health Department. Ms. Wade did inform me she was unaware of any problems at RRAD.

APPENDIX F

Threatened and Endangered Species in Bowie County, Texas



TABLE F-1 THREATENED AND ENDANGERED SPECIES OBSERVED OR POTENTIALLY OCCURRING IN BOWIE COUNTY		
Common Name and Scientific Name	Federal Status	State Status
Flora		
Arkansas meadow-rue (<i>Thalictrum arkansanum</i>)	-	R
Birds		
American peregrine falcon (<i>Falco peregrinus anatum</i>)	-	E
American swallow-tailed kite (<i>Elanoides forficatus</i>)	-	T/NIB
Arctic peregrine falcon (<i>Falco peregrinus tundruis</i>)	-	T
Bachman's sparrow (<i>Aimophila aestivalis</i>)	-	T
Bald eagle (<i>Haliaeetus leucocephalus</i>)	T/PDL	T
Cerulean warbler (<i>Dendroica cerulea</i>)	SOC	-
Henslow's sparrow (<i>Ammodramus henslowii</i>)	-	R
Interior least tern (<i>Sterna antillarum athalassos</i>)	E	E
Red cockaded woodpecker (<i>Picoides borealis</i>)	E^a	E
White-faced ibis (<i>Plegadis chihi</i>)	SOC	T/NIB
Wood stork (<i>Mycteria americana</i>)	-	T
Mammals		
Black bear (<i>Ursus americanus</i>)	T/SA	T
Louisiana Black bear (<i>Ursus americanus luteolus</i>)	T	T/NIB
Rafinesque's big-eared bat (<i>Corynorhinus rafinesquii</i>)	-	T
Red wolf (<i>Canis Rufus</i>) (extirpated)	E	E
Southeastern myotis (<i>Myotis austroriparius</i>)	SOC	-
Reptiles		
Alligator snapping turtle (<i>Macroclemys temminckii</i>)	-	T
American alligator (<i>Alligator mississippiensis</i>)	T/SA	-
Northern scarlet snake (<i>Cemophora coccinea copei</i>)	-	T/NIB
Texas horned lizard (<i>Phrynosoma cornutum</i>)	SOC	T
Timber rattlesnake (<i>Crotalus horridus</i>)	-	T
Fish		
Blackside darter (<i>Percina maculata</i>)		T
Blue sucker (<i>Cycleptus elongatus</i>)	-	T/NIB
Creek chubsucker (<i>Erimyzon oblongus</i>)	-	T
Goldeneye (<i>Hiodon alosoides</i>)	-	R
Paddlefish (<i>Polyodon spathula</i>)	SOC	T
Shovelnose sturgeon (<i>Scaphirhynchus platyrhynchus</i>)	-	T
Western sand darter (<i>Ammocrypta clara</i>)	-	R



TABLE F-1 THREATENED AND ENDANGERED SPECIES OBSERVED OR POTENTIALLY OCCURRING IN BOWIE COUNTY		
Common Name and Scientific Name	Federal Status	State Status
Mussels		
Fawnsfoot (<i>Truncilla donaciformis</i>)	-	R
Pimpleback (<i>Quadrula pustulosa</i>)	-	R
Pistolgrip (<i>Tritogonia verrucosa</i>)	-	R
Plain pocketbook (<i>Lampsilis cardium</i>)	-	R
Rock-pocketbook (<i>Arcidens confragosus</i>)	-	R
Wabash Pigtoe (<i>Fusconaia flava</i>)	-	R
White heelsplitter (<i>Lasmigona complanata</i>)	-	R
Insects		
American burying beetle (<i>Nicrophorus americanus</i>)	E	R

Notes:

- ^a Although Bowie County is part of the historic range of the red-cockaded woodpecker, the species is not considered to occur in the county.
- E Endangered
- PDL Proposed for delisting
- R Rare; no regulatory listing status is associated with this classification.
- SA Similarity of appearance
- SOC Species of concern. This federal classification no longer exists. No other federal classification exists for these species.
- T Threatened.
- T/NIB State threatened species formerly identified as occurring in Bowie County. Given new information, it has been determined to be unlikely that these species occur in Bowie County.

Source: Tetra Tech 2006





TABLE G-1 INTEGRATED PEST MANAGEMENT OUTLINES			
Target Pest	Schedule	Chemical Controls	EPA Regulation Number
Mosquito Larvae	Apr.-Sep. monthly	Bacillus thuringiensis	6218-47
Mosquito Larvae	Apr.-Sep. monthly	Altosid XR	2724-421
Mosquito Adult	Apr.-Sep.	Scourge	432-716
Mosquito Adult	Apr.-Sep.	Carbaryl	432-1226
Mosquito Adult	Apr.-Sep.	Pyrethrins – PY-Fog 300	11540-1
Ticks	Mar.-Oct.	Carbaryl	432-1226
Fleas	Year round	Carbaryl	432-1226
Fleas	Year round	Cyano	3125-372
Fleas	Year round	Cypermetherin	10182-105
Flies Adult	Seasonal	Methomyl (Apache)	270-255
Spiders	On-Call basis	Cypermetherin	10182-105
Spiders	On-Call basis	Cyfluthrin	3125-372
Spiders	On-Call basis	Pyrethrins Allethrin	499-310
Termites	Annual Inspection	Chlorpyrifos	62719-47
Termites	Annual Inspection	Termidor SC	7969-210
Termites	Annual Inspection	Octaborate	1624-39
Broadleaf Weeds	Mar.-Sep.	BANVEL	55947-1
Broadleaf Weeds	Mar.-Sep.	HYVAR XL	352-346
Broadleaf Weeds	Mar.-Sep.	24D	71368-1
Broadleaf Weeds	Mar.-Sep.	TORDON	62719-5-87120
Broadleaf Weeds	Mar.-Sep.	OUST	352-601
Woody Plants	Growing Season	RODEO	62719-324
Woody Plants	Growing Season	BANVEL	029-802
Woody Plants	Growing Season	ESCORT	352-439
Woody Plants	Growing Season	ROUND-UP	524-475
Woody Plants	Growing Season	TORDON	62719-5-87120
Aquatic Weeds	Seasonal	RODEO	524-343
Aquatic Weeds	Seasonal	24D	71368-1
Grasses	As Needed	ROUND-UP	524-475
Grasses	As Needed	BROMAX 4L	2393-298
Grasses	As Needed	OUST	352-401
Grasses	As Needed	MSMA	19713-42
Grasses	As Needed	ARSENAL	241-273
Rust	On-Call basis	Daconil	50534-4
Aphids	On-Call basis	Sevin	264-316
Fungi	On-Call basis	Daconil	50534-4
Bag Worms	On-Call basis	Sevin	264-316



TABLE G-1 INTEGRATED PEST MANAGEMENT OUTLINES			
Target Pest	Schedule	Chemical Controls	EPA Regulation Number
Armyworms	On-Call basis	Sevin	264-316
Rats	On-Call basis	Brodifacoum	10182-334
Rats	On-Call basis	Bromadiolone	12455-79
Rats	On-Call basis	Diphacinone	56-23
Mice	On-Call basis	Talon rodent pellets	10182-334
Gophers	On-Call basis	Strychnine	8612-21
Pigeona	Year round	Avitrol	11649-7
Cockroaches	Year round	Fipronil	432-1259
Cockroaches	Year round	Cypermethrin	10182-105
Cockroaches	Year round	Boric Acid	499-220
Cockroaches	Year round	Methylcarbamate	87350-5-13283
Cockroaches	Year round	Cynao	3125-372
Cockroaches	Year round	Fipronil	64240-2
Cockroaches	Year round	Pyrethin	499-450
Ants	Year round	Fipronil	432-1256
Ants	Year round	Cynao	3125-498
Ants	Year round	Cypermethrin	10182-105
Ants	Year round	Hydramethylon	1730-172
Ants	Year round	Perfluro-Octanes	499-459
Silverfish	On-Call basis	Cynao	3125-498
Silverfish	On-Call basis	Cypermethrin	10182-105
Leafhoppers	On-Call basis	Carbaryl	264-316
Crickets	On-Call basis	Cyfluthrin	3125-498
Crickets	On-Call basis	Cypermethrin	10182-105
Wasps	On-Call basis	Wasp and hornet spray	10807-48-70463
Wasps	On-Call basis	Wasp and hornet spray	44446-9
Bees	On-Call basis	Wasp and hornet spray	10807-48-70463
Fire Ants	Year round	Cyfluthrin	3125-372
Fire Ants	Year round	Cypermethrin	10182-105
Fire Ants	Year round	Pyrethrins Allethrin	499-310
Fire Ants	Year round	Tetrahydramethl	241-260
Fire Ants	Year round	Fenoxycarb	100-722

Source: Integrated Pest Management Plan, Oct 2004





The ECP Process requires oversight by an environmental professional. The USEPA’s All Appropriate Inquiry (AAI) Final Ruling (40 CFR Part 312) defines an environmental professional included as an individual who has the following qualifications:

- Current Professional Engineer’s or Professional Geologist’s (PG) license or registration from a state, tribe, or U.S. territory and have the equivalent of three (3) years of full-time relevant experience; or
- Licensed or certified by the federal government, a state, tribe, or U.S. territory to perform environmental inquiries as defined in Sec. 312.21 and have the equivalent of three (3) years of full-time relevant experience; or
- A Baccalaureate or higher degree from an accredited institution of higher education in science or engineering and the equivalent of five (5) years of full-time relevant experience; or
- Have the equivalent of ten (10) years of full-time relevant experience.

The final AAI Rule defines “relevant experience” as participation in the performance of environmental site assessments that may include environmental analyses, investigations, and remediation that involve the understanding of surface and subsurface environmental conditions and the processes used to evaluate these conditions and for which professional judgment was used to develop opinions regarding conditions indicative of releases or threatened releases to the subject property. Environmental professional qualifications for RRAD are presented in **Table H-1**. An individual not meeting the definition of an environmental professional worked under the direct supervision of an environmental professional.

TABLE H-1 ENVIRONMENTAL PROFESSIONAL QUALIFICATIONS				
Name	Role	Certifications	Education	Years Experience
Steve Cox	Program Manager	Certified Hazardous Materials Manager (CHMM)	Bachelor of Arts (BA) Chemistry, BA Biology	25
Craig Johnson	Project Manager	CHMM, Occupational Safety and Health Administration (OSHA) 40 Hours	Bachelor of Science (BS) Chemistry	14
Jacquelyn Harrington	Task Manager and VSI Team Leader	CHMM, OSHA 40 Hours, ACM/LBP, International Organization for Standardization 14001	BA Biology	19
Dean Converse	VSI Team Member	OSHA 40 Hours, ESA for Commercial Real Estate	BS Geography/ Environmental Studies	7
Bill Lukash	VSI Team Member	PG-Nebraska, OSHA 40 Hours	BA Geology, Master of Science (MS) Planning	11
Heather Tittjung	VSI Team Member	OSHA 40 Hours, Environmental Management Systems, ESA for Commercial Real Estate, CHMM	BS Environmental Management, MS Industrial Management	9



TABLE H-1 ENVIRONMENTAL PROFESSIONAL QUALIFICATIONS				
Name	Role	Certifications	Education	Years Experience
Cliff Tompkins	VSI Team Member	OSHA 40 Hours	BS Geology	6
Andy Young	VSI Team Member	Engineer in Training, OSHA 40 Hours	BS Civil Engineering, MS Civil Engineering	1

