

**FINAL**

**PHASE I ENVIRONMENTAL BASELINE SURVEY  
FOR THE LEASING OF NELLIS AIR FORCE BASE LAND  
FOR CONSTRUCTION AND OPERATION  
OF A YOUTH CAMP BY THE NATIONAL GUARD BUREAU,  
CLARK COUNTY, NEVADA**



**2007**

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## EXECUTIVE SUMMARY

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This Phase I Environmental Baseline Survey report was prepared to support the proposed lease of approximately 7.2 acres of property (hereafter referred to as subject property) owned by Nellis Air Force Base (AFB) to the National Guard Bureau for the construction and operation of a youth camp for the “Challenge Program”. The lease will involve five existing buildings, a portion of three buildings, and joint use of approximately 7.2 acres of land around those buildings. The property in consideration is a portion of Area II, and is located near the southeast boundary of Nellis AFB, Clark County, Nevada (see Figures 1, 2, 3 and 4 Appendix B).

This report was prepared and the site reconnaissance was conducted according to Air Force Instruction 32-7066: Environmental Baseline Surveys in Real Estate Transactions and the American Society for Testing and Materials guidelines ASTM E1527-05, which define good commercial and customary practices in the United States for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation, and Liability Act (42 USC 9601) and petroleum products.

According to information gathered from document searches, interviews, and the site reconnaissance, Gulf South Research Corporation (GSRC) found no evidence of contamination in connection with the subject property and found no evidence of contamination on adjacent properties surrounding the subject property. Closed Environmental Restoration Program (ERP) sites, WP-23, RW-21, RW-10, DP-06, LF-07, DP-08 and WP-22, exist within a 1 mile search radius. Closed underground storage tank (UST) sites are located near Buildings 10236 and 10237, but the sites have been cleaned, and pose no environmental risk to the subject property. Based on information gathered for this assessment, no further investigation or assessment for hazardous materials is recommended for the subject property.

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***SECTION 1.0***  
***PURPOSE FOR THE ENVIRONMENTAL BASELINE SURVEY***







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## **1.0 PURPOSE FOR THE ENVIRONMENTAL BASELINE SURVEY**

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The purpose of this Phase I Environmental Baseline Survey (EBS) is to (1) document the nature, magnitude, and extent of any environmental contamination of the subject property considered for the out-grant lease; (2) identify potential environmental contamination liabilities associated with the proposed transaction and establish environmental due diligence; (3) develop information to assess health and safety risks; (4) protect human health and the environment; (5) determine possible effects of contamination on property valuation; (6) provide notice of environmental condition when required under Section 120 [h] [1] of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980 as amended (42 USC 9620 [h] [1]) or any applicable state or real property disclosure requirements.

### **1.1 BOUNDARIES OF THE PROPERTY AND SURVEY AREA**

The boundaries of Area II, in which the subject property is located, are as shown in Figure 4, and a description of the boundaries of Area II is found in Appendix F. The approximate description of the portion of Area II being leased for the youth camp, which includes the subject property, is Township 19 South, Range 63 East:

Section 32      W/2 - NW/4 - SW/4

Section 31      E/2 - NE/4 - SE/4

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*SECTION 2.0*  
*SURVEY METHODOLOGY*





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## 2.0 SURVEY METHODOLOGY

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### 2.1 APPROACH AND RATIONALE

This report was produced in accordance with the following:

AFI 32-7066

"This instruction implements Air Force Policy Directive (AFPD) 32-70, Environmental Quality, by spelling out responsibilities and procedures for an Environmental Baseline Survey (EBS) in a real property transaction. This instruction also covers additional procedures for transactions involving unremediated real property and for the termination or expiration of temporary interests in real property."

ASTM E1527-05

"The ASTM guideline defines good commercial and customary practices in the U.S. for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants within the scope of the CERCLA (42 USC 9601) and petroleum products. This practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability."

Gulf South Research Corporation's (GSRC) scope of services for this project include four major components: (1) Federal, state, and local environmental records review, including a review of historical and physical setting records; (2) a site reconnaissance to search for visible indications of contamination or potential contamination to the environmental or human health and safety; (3) interviews with key site personnel and local government officials; and (4) the preparation of this report.

The conditions disclosed by this investigation have been separated into the following categories of environmental conditions:

- *Recognized environmental condition* – A recognized environmental condition is defined in ASTM Practice E1527-05 as "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws."
- *Historical recognized environmental condition* – A historical recognized environmental condition is defined in ASTM Practice E1527-05 as an "environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. The final

decision rests with the environmental professional and will be influenced by the current impact of the historical recognized environmental condition on the property. If a past release of any hazardous substances or petroleum products has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered a historical recognized environmental condition.”

- *De minimis condition* – A *de minimis condition* is defined in ASTM Practice E1527-05 as conditions “that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.”

In addition to the assessment of the property for hazardous materials defined by ASTM E1527-05, GSRC also inspected all of the buildings subject to this assessment for any other hazards that might pose a health risk, including mold, asbestos and lead-based paint, to the extent that those hazards were readily visible and identifiable. A complete analysis for all possible asbestos and lead-based paint substances was not a part of this assessment.

This EBS report categorizes the presence of hazardous substances or petroleum products or their derivatives for the subject property into the following:

Category 1 – No storage, release or disposal has occurred. Property where no hazardous substances or petroleum products or their derivatives were stored, released into the environment or structures, or disposed on the subject property and where no migration from adjacent areas has occurred.

Category 2 – Only storage has occurred. Property where hazardous or petroleum products or their derivatives were stored, but no release, disposal or migration from adjacent areas occurred.

Category 3 – Contamination below a level that requires any action. Property where contamination is present but falls below established action levels characterized pursuant to the Environmental Restoration Program (ERP) that is managed by the Restoration Program Manager (RPM) of the 99 CES/CEVR.

Category 4 – Remedial action required and taken. Property where contamination above action levels existed but all remedial actions necessary to protect human health and the environment have been taken to meet the provisions of CERCLA Section 120 (h) (3).

Category 5 – Remedial or other action underway. Property is undergoing remedial action for known contamination.

Category 6 – Required response action not implemented. Property contains known contamination and required remedial systems or other actions have not been selected or implemented.

Category 7 – Further evaluation required. Property has indications of existing contamination or the potential for a release of hazardous substances into the environment or structures, but not well characterized pursuant to the ERP.

### **2.1.1 Description of Documents Reviewed**

GSRC contracted Environmental Data Resources, Inc. (EDR) to search Federal and state environmental databases that track activities associated with hazardous waste and incidents that have resulted in major environmental impairment. These databases are prepared and maintained by various Federal and state environmental agencies such as the U.S. Environmental Protection Agency (EPA) and the Nevada Division of Environmental Protection (NDEP). The minimum appropriate search distance was 1 mile from the subject property's boundary (Table 1). The EDR report showing all information pertaining to the database searches is presented in Appendix A.

GSRC also conducted searches on NDEP and EPA databases via the internet for information such as Enforcement and Compliance History Online (ECHO) and Envirofacts Warehouse. No additional environmental concerns within or in the vicinity of the subject property were identified in the Federal or state databases (NDEP 2007 and EPA 2007a, 2007b).



**Table 1. Summary of Database Information Received During Preparation of the EBS**

<b>Primary Federal Databases</b>	<b>Date of Database</b>	<b>Search Distance*</b>
National Priorities List (NPL)	April 2007	1.0 mile
Delisted NPL	April 2007	0.5 mile
Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)	February 2007	0.5 mile
CERCLIS No Further Remedial Action Planned (CERC-NFRAP)	March 2007	0.5 mile
Resource Conservation and Recovery Act (RCRA) Information-Transportation, Storage, and Disposal Facilities (RCRA-TSD); Large Quantity Generators (LQG) and Small Quantity Generators (SQG)	June 2006	Subject Property and Adjoining Properties
Emergency Response Notification System (ERNS)	December 2006	0.25 mile
Department of Defense Sites (DOD)	December 2005	Subject Property
Toxic Release Inventory (TRIS)	December 2005	0.25 mile
FIFRA/TSCA Tracking System (FTTS)	April 2007	1.0 mile
Integrated Compliance Information System (ICIS)	February 2007	1.0 mile
PCB Activity Database (PADS)	October 2006	1.0 mile
Facility Index System (FINDS)	April 2007	1.0 mile
<b>Primary State Databases</b>	<b>Date of Database</b>	<b>Search Distance*</b>
Corrective Action Case List (SHWS)	April 2007	1.0 mile
Solid Waste Facilities/Landfill Sites (SWF/LF)	December 2006	0.5 mile
Recycling Information Listing (SWRCY)	January 2007	1.0 mile
Leaking Underground Storage Tank Incident Reports (LUST)	April 2007	0.5 mile
Registered Underground Storage Tanks (UST)	April 2007	Subject Property and Adjoining Properties
Hazardous Materials Repository Information Data (TIER 2)	May 2007	1.0 mile

Source: EDR, Inc. 2007.

\*In accordance with ASTM E1527-05.

**Primary Federal and State Databases**

Primary Federal databases reviewed by EDR, Inc. included:

- The National Priorities List (NPL; see Appendix A) – This database includes EPA NPL sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action.
- Delisted NPL – This database includes EPA final NPL sites where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL.
- Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS; see Appendix A) – This database contains an extract of sites that have been or are in the process of being investigated for potential environmental risk.
- CERCLIS No Further Remedial Action Planned (CERCLIS-NFRAP; see Appendix A) – This database includes sites, which have been determined by the EPA, following

preliminary assessment, that no longer pose a significant risk or require further activity under CERCLA.

- Resource Conservation and Recovery Act Information (RCRA; see Appendix A) – This database includes handlers, generators, transporters, violations, corrective actions, and treatment, storage and disposal facilities of hazardous wastes.
- Department of Defense (DOD; see Appendix A) Sites – This database contains a list of DOD sites located within the subject property.
- Emergency Response Notification System (ERNS; see Appendix A) – This database contains data on reported releases of oil and hazardous substances.
- FIFRA/TSCA Tracking System (FTTS; see Appendix A) – Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA; see Appendix A)/Toxic Substances Control Act (TSCA; see Appendix A) and Emergency Planning and Community Right-to-Know Act (EPCRA; see Appendix A) tracking system regarding pesticide enforcement actions, compliance activities related to FIFRA, and activities related to EPCRA over the previous 5 years.
- Integrated Compliance Information System (ICIS; see Appendix A) – This database supports the needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES; see Appendix A) program.
- PCB Activity Database (PADS; see Appendix A) – This database identifies generators, transporters, commercial storers and/or brokers and disposers of polychlorinated biphenyls (PCBs; see Appendix A) who are required to notify the EPA of such activities.
- Facility Index System (FINDS; see Appendix A) – This database contains both facility information and ‘pointers’ to other sources that contain more detail.

Primary state databases reviewed by EDR include:

- Corrective Action Case List (SHWS; see Appendix A) – This is a listing of corrective action sites.
- Landfill List (SWF/LF; see Appendix A) – This is a list of solid waste facilities/landfill sites.
- Recycling Information Listing (SWRCY; see Appendix A) – This is a listing of registered waste tire collection sites.
- Leaking Underground Storage Tank Incident Reports (LUST; see Appendix A) – This is an inventory of reported leaking underground storage tank incidents.
- Underground Storage Tank List (UST; see Appendix A) – This is a list of registered USTs in the State of Nevada.
- Hazardous Materials Repository Information Data (TIER 2) – This is a list of EPCRA required facilities which store or manufacture hazardous materials.

Only one database was recognized during the search conducted by EDR. The EDR report indicated that the Nellis AFB is recorded in the DOD database as a defense site that may have generated, stored, treated, and/or disposed of solid or hazardous waste within or near the subject property. The EDR report also listed 14 Orphan Sites (sites without sufficient address

information) within Nellis AFB that were sites of prior hazardous material incidents. None of the reportable hazardous material sites on Nellis AFB are located within a search radius of the subject property to present an environmental risk according to documentation provided by Nellis AFB. The former USTs located at Building 10236 and Building 10237, which were closed and remediated, also do not pose an environmental risk.

### 2.1.2 Historical Maps/Aerial Photographs

A search was made by EDR and GSRC for historical aerial photographs and historical quadrangle maps available for the subject property. Historical topographic quadrangle maps were only available for 1952, 1983 and 1986. Historic aerial photographs were obtained from Nellis AFB staff and were available for the years of 1951 through 2005. The latest aerial photograph (2006) was obtained from GoogleEarth (DigitalGlobe). These maps and aerial photographs typically show any development or habitat changes over the years. The historical topographic quadrangles and aerial photographs reviewed by GSRC are listed in Table 2 and can be found in Appendix C.

**Table 2. Historical Topographic Quadrangles/Aerial Photographs Reviewed**

DATE	QUADRANGLE/PHOTOGRAPH NAME	SCALE
1951	Nellis AFB aerial photograph	1:5,000
1952	Dry Lake, NV 30-minute Quadrangle	1:62,500
1952	Henderson, NV 30-minute Quadrangle	1:62,500
1958	Nellis AFB aerial photograph	1:10,000
1969	Nellis AFB aerial photograph	1:10,000
1980	Nellis AFB aerial photograph	1:12,000
1983	Frenchman Mountain, NV 7.5-minute Quadrangle	1:24,000
1984	Nellis AFB aerial photograph	1:12,000
1986	Apex, NV 7.5-minute Quadrangle	1:24,000
1990	Nellis AFB aerial photograph	1:12,000
2004	Nellis AFB aerial photograph	1:12,000
2005	USGS aerial photograph	1:12,000
2006	DigitalGlobe aerial photograph	1:12,000

Source: Nellis AFB; U.S. Geological Survey, DigitalGlobe.

### 2.1.3 Environmental Baseline Surveys

The September 2006 Preliminary Compliance Assessment prepared by Nellis AFB (Nellis AFB 2006a) and the January 1998 Real Property Survey (U.S. Department of Justice 1999), which were prepared for the subject property, were reviewed for information regarding potential

environmental threats to the subject property or any other information deemed appropriate for the use in this report. The January 2006 EBS completed by the Federal Bureau of Prisons prior to return of the prison camp to Nellis AFB was also reviewed (U.S. Department of Justice 2006).

#### **2.1.4 Nellis AFB Environmental Restoration Program Site Summaries**

A review of the Nellis AFB Restoration Program Site Summaries (Nellis AFB 2006b) found seven sites listed within the search radius of the subject property.

Site WP-23, an abandoned septic leach field measuring about 100 feet by 125 feet, is located approximately 2,600 feet west of the subject property, and is classified as closed with no further restoration action planned (NFRAP).

Site RW-21, a closed radioactive materials storage tank in a 100-foot by 100-foot fenced area in the Weapons Storage Area, is located approximately 1,200 feet south of the subject property, and is classified as closed with NFRAP.

Site RW-10, a closed radioactive dry waste disposal area measuring 25 feet by 100 feet, is located approximately 1,000 feet east of the subject property, and is classified as closed with NFRAP.

Site DP-06, a closed 125-foot by 225-foot disposal pit for general refuse, is located approximately 5,220 feet west of the subject property, and is classified as closed with NFRAP.

Site LF-07, a closed trench landfill 300-feet long by 25-feet wide, is located approximately 4,450 feet west of the subject property, and is classified as closed with NFRAP.

Site DP-08, a closed trench burial pit 240-feet long by 32-feet wide, is located approximately 4,750 feet west of the subject property, and is classified as closed with NFRAP.

Site WP-22 is a closed former sanitary sewage treatment plant comprising percolation ponds, a sludge disposal pit, and a small disposal pit for bar screen wastes. The site encompasses about 15 acres, and is located approximately 4,880 feet northwest of the subject property, and is classified as closed with NFRAP.

None of these sites would constitute an environmental risk to the subject property.

#### **2.1.5 Federal Bureau of Prisons, Spill Cleanup Report (Safety Kleen)**

A spill of petroleum fluids by a heavy equipment loader near Building 10240 was cleaned up by Safety Kleen in March 2007. The incident report (Safety Kleen 2007) was reviewed for this assessment. The spill involved a small amount of hydraulic fluid and diesel fuel on the ground surface, and the cleanup involved the excavation and disposal of 41 tons of soil to clean the site to levels below the State Soil Action Level for total petroleum hydrocarbons (TPH). The spill site was located approximately 350 feet north of the subject property, and would be defined as a *historical recognized environmental condition* with no environmental risk to the subject property.

#### **2.1.6 Facility Response Plan**

The *Final Draft, Nellis Air Force Base 19-1, Facility Response Plan* (Nellis AFB 2006c) and spill report file was reviewed to determine if spills of reportable quantities have occurred within Area II in the past 5 years. Nellis AFB is required to keep track of all reportable quantity spills for a period of 5 years and institute a facility response plan based on the occurrences of those spills. A reportable quantity, as per Nevada state regulations, is the release of 25 gallons or more of petroleum products such as gasoline, diesel, and hydraulic fluid or the impact of 3 cubic yards (yds<sup>3</sup>) or more of soil by a hazardous material (NDEP 2007). According to information from the facility response plan, no reportable spills have occurred within the subject property.

### **2.2 TRACT REGISTER OF ACQUISITION**

The deed and title to the subject property came to Nellis AFB through the transfer of Area II as part of the Lake Mead Naval Base. A copy of the description of the Lake Mead Naval Base was provided by the Nellis AFB real estate office; however, the subject property is only a small portion of the much larger tract. A copy of the Area II property description is included in Appendix F.

### **2.3 PROPERTY INSPECTIONS**

A site reconnaissance was conducted on August 20 and August 21, 2006 by Mr. Greg Lacy and Mr. Stephen Oivanki. The focus of the effort was to investigate the subject property for visual evidence of any adverse impacts due to potential hazardous or toxic substances, or the

presence of potential sources for impacts, such as drums, petroleum products and leaking USTs. The approximately 7-acre subject property was accessible by vehicle and by foot. There were no access obstructions on any portion of the property or buildings, except for the equipment rooms in the dormitories, which had locked doors.

A complete walk-through of the subject property and all buildings found no *recognized environmental conditions*.

### **2.3.1 Description of Building Conditions and Finishes**

As a supplemental task to this EBS, all of the buildings on the subject property were inspected to determine the condition of fixtures and finishes prior to lease of the buildings to the National Guard Bureau for the Project Challenge Program. Each building is described separately in the paragraphs below.

#### **Building 10236 – Gymnasium**

The outer walls of the building are concrete block construction in good condition. Interior walls are a combination of concrete block and conventional wood stud-dry wall construction. Interior finishes were in good condition with minor painting required. In the rear of the building were two racquet-ball courts and a weight and conditioning room with all equipment still in place. Floor finishes were either painted concrete or tile in most of the building. The basketball court floor was strip hardwood, and it was severely damaged due to water intrusion from the west end of the building. A likely source of the water damage was overflow from the restroom area at the west end of the building. With the exception of the basketball court floor, the building was in good condition, requiring only superficial repairs prior to occupation.

#### **Building 10237 – Commissary**

The outer walls of the building are concrete block construction in good condition. Interior walls are a combination of concrete block and conventional wood stud and dry wall construction. Interior finishes are in good condition with minor painting required. Floor finish was tile, and floor drains were also present throughout the building (Photograph 6, Appendix C). No major repairs or finishing would be required prior to occupation.

### **Building 10206 – Dining Hall**

This building is currently being partially used as a kitchen and dining hall for the Red Horse Squadron. The portion proposed for lease is unoccupied and was inspected. The main dining area was in good condition, and no major repairs were indicated prior to occupation. A check of plumbing and electrical circuits is recommended due to several disconnected pipes and wires.

The exterior walls of the building are concrete block construction, and the interior walls are a combination of concrete block and wood stud-drywall construction. The basement of the building has had several remodeling efforts that were only partially finished, and numerous walls are unfinished or in disrepair (Photograph 14, Appendix C). There was evidence of numerous leaks from water and sewer pipes throughout the basement (Photographs 19, 20, 21 and 23, Appendix C), and approximately one fourth of the basement was flooded as the time of the inspection (Photograph 24, Appendix C). Mold growth was visible in many of the rooms (Photographs 18, 22 and 25, Appendix C), and drywall in those rooms would require replacement. Much of the remaining carpet on the floor of offices in the basement was damaged beyond repair, and should be replaced. Overall, the basement of Building 10206 is not considered habitable without significant repairs and refinishing.

### **Building 10204 – Theater**

The theater building is constructed of stud walls with stucco finished exterior walls and a concrete floor. The building and all finishes were in good condition, and no areas needing repairs were evident.

### **Building 10207 – Home Depot- Shop**

Building 10207 is constructed of concrete block exterior walls with wood framing of the first floor and interior walls. The first floor offices and work areas were in fair condition, and no major repairs were needed. The basement of the building was also in fair condition, requiring only cleanup prior to use.

### **Building 10214 – Offices**

Building 10207 is constructed of concrete block exterior walls with wood frame and drywall interior walls. The building was air-conditioned at the time of the inspection, and all interior and exterior surfaces were in good condition, requiring no repairs or refinishing prior to occupation.

### **Building 10203 – Building A**

This building was previously used as a dormitory to house prisoners. The exterior walls are conventional stud walls with apparent building panel exterior wall construction, and the interior walls are wood stud and drywall construction. Other than minor wall refinishing and painting, the building was in good condition, and would require only superficial repairs prior to occupation.

### **Building 10208 – Building B**

This building was previously used as a dormitory to house prisoners. The exterior walls are conventional stud walls with apparent building panel exterior construction, and the interior walls are wood stud and drywall construction. Overall, the building is in good condition, and only minor wall refinishing and painting would be required prior to occupation.

## **2.4 PERSONAL INTERVIEWS**

The key personnel contacted are listed below and records of their interviews are presented in Appendix E.

### Mr. D.J. Haarklau, 99 CES/CEVC, Environmental POLs Program Manager

Mr. Haarklau has been POL Program Manager for 10 years. He provided GSRC with information pertaining to reportable quantity spills that have occurred in Area II over the past 5 years. According to a records search, no reportable spills have occurred within or in the vicinity of the subject property, except for the Building 10240 petroleum spill reported in 2.1.5 above and the two USTs removed near Building 10236 and Building 10237.

### Mr. Mark Porterfield, 99 CES/CEVP, Hazardous Waste Program Manager

Mr. Porterfield has been Hazardous Waste program manager for 2.5 years, and he was interviewed regarding any known hazardous waste or other unknown materials present on the subject property. He stated that the 55-gallon drum found in the basement of Building 10206 (Photograph 17, Appendix C) contained rock salt used for water softening in the kitchen cleaning processes. He had no record of any hazardous waste on or in the vicinity of the subject property.



Mr. John Roe, 99 CES/CEVC, Water Quality Program Manager

Mr. Roe has been Water Quality Program Manager for 10 years, and he was interviewed regarding his knowledge of wastewater management on or in the vicinity of the subject property. He stated that the prison complex was connected to the base sewer collection system, and that new sewer lines were currently being installed to all of the buildings (the purpose of the heavy equipment observed during the site reconnaissance). A former closed septic leach field is located west of the prison complex under a parking lot (ERP Site WP-23).

TSgt. Norman W. Harp, 99 CES/CEF, NCOIC Fire Department Communications Center

TSgt. Harp, who has been with the department for 15 months, searched the digital incident report files, and told GSRC that there have been no incidents or spills within or near the subject property.

MSgt. Charles Waiters, 99 CES/CED, EOD Flight Superintendent

MSgt. Waiters, who has been with EOD Flight for 11 years, stated that there have been no ordnance disposal sites near the subject property. The base ordnance storage area is located south of the subject property, and ordnance transportation takes place along Bergstrom Avenue on a regular basis, but no spills have been reported.

Mr. Paul Kotanchik, 99 CES/CEVC, Toxics Program Manager

Mr. Kotanchik has been Toxics Program manager for 5 years, and he stated that there was asbestos and lead paint found on the subject property in the past, but that most of the asbestos had been replaced with non-asbestos materials. There is still some asbestos and lead paint present, but it is not considered an immediate health risk.

#### **2.4.1 Sampling**

No air, soil, or water samples were taken within the subject property as part of this Phase I EBS.

***SECTION 3.0***  
***FINDINGS FOR SUBJECT PROPERTY***





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## **3.0 FINDINGS FOR SUBJECT PROPERTY**

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### **3.1 HISTORY AND CURRENT USE**

The documents reviewed by GSRC to determine historical land uses and potential environmental conditions associated with those uses regarding the subject property and surrounding areas are described in the paragraphs below.

#### **3.1.1 Historic Topographic Quadrangles and Aerial Photographs**

The 1951 aerial photograph showed the subject property and all surrounding area as undeveloped desert landscape. The 1952 topographic maps (combined) also showed the subject property to be undeveloped. In the 1958 aerial photograph, all of the buildings which are the focus of this EBS were constructed, and the compound appeared in much the same configuration as it is today. The Weapons Storage Area was constructed south and east of the subject property, and some buildings across Minot Avenue were also visible (Appendix c).

The 1969 aerial photograph showed the same configuration and development of the subject property and surrounding properties as the 1958 photograph, and was at a much better resolution than the 1958 photograph. The 1980 aerial photograph indicated no change on the subject property from 1969. Additional roads were visible around the area, and additional buildings were visible across Minot Avenue. The 1984 aerial photograph indicated no change to the subject property, but additional construction was evident across Minot Avenue and on property southeast of the subject property. The 1983 and 1986 topographic maps (combined) also showed additional development across Minot Avenue (Appendix C).

The 1990 aerial photograph showed no change from 1986. The 2004 and 2005 aerial photographs showed development of additional roads in the area and continued development of the area across Minot Avenue to the west of the subject property. In the 2006 aerial photograph, additional new buildings had been constructed west of the subject property across Minot Avenue, and a paved track had been constructed north of the subject property across Grand Forks Avenue (Appendix C).

## **3.2 ENVIRONMENTAL SETTING**

The subject property is located in the Las Vegas Valley, which is one of the driest and warmest areas in the U.S. The climate consists of hot summers, cool winters, and a wide fluctuation in annual rainfall. Temperatures through a year can range from average daily maximums in July of 104 degrees Fahrenheit (°F) to average daily minimums in January of 33 °F. The temperature at the time of the site visit was 113 °F.

Stormwater in the area is lost through percolation and evaporation. The groundwater within the subject property is recharged by precipitation from the surrounding mountain ranges. On Nellis AFB, multiple shallow, semi-confined aquifers occur at depths from 75 to 120 feet below ground surface (bgs) (Nellis AFB 2006c).

Surface soils within the subject property no longer correspond to mapped units due to the fill and development of the buildings and grounds on site. However, overall topography within the area slopes downward to the west and northwest. The average elevation of the subject property is approximately 1,976 feet above mean sea level.

Vegetation within the subject property is limited to ornamental trees, shrubs and turf grass planted by Nellis AFB personnel. No wildlife was encountered during the site reconnaissance, and none would be expected to occur in the developed subject property.

## **3.3 HAZARDOUS SUBSTANCES**

Hazardous substances are defined as any product or waste material or petroleum product present in sufficient quantity to require reporting under RCRA.

### **3.3.1 Hazardous Materials and Petroleum Products**

According to record searches, interviews, and a site reconnaissance, no evidence of hazardous materials or petroleum products was found within the subject property.

### **3.3.2 Hazardous and Petroleum Waste**

According to record searches, interviews, and a site reconnaissance, no evidence of hazardous waste or petroleum waste was found within the subject property.

### **3.4 ENVIRONMENTAL RESTORATION PROGRAM SITES**

Seven ERP sites exist within 1 mile of the subject property. ERP sites WP-23, RW-21, RW-10, DP-06, LF-07, DP-08 and WP-22 are located east, west and south of the subject property, and have been closed with NFRAP (see Section 2.1.4).

### **3.5 STORAGE TANKS**

#### **3.5.1 Aboveground Storage Tanks**

According to record searches, interviews, and a site reconnaissance, no aboveground storage tanks are located within the subject property.

#### **3.5.2 Underground Storage Tanks**

According to interviews, document searches, and a site reconnaissance, no underground storage tanks (USTs) are located within the subject property. Documentation recovered from Nellis AFB files indicated that USTs containing diesel fuel and gasoline were removed from the vicinity of Building 10237 and Building 10236 on the subject property.

The Building 10236 UST was a 3,000 gallon steel tank that was removed in 1992. Soil samples taken following tank removal indicated benzene, ethylbenzene, toluene and xylene (BTEX) levels greater than State Soil Action Levels; and 20 tons of soil was removed and disposed, after which the site was closed with NFRAP (Clark County Health District [CCHD] 1992).

The Building 10237 UST was a 500 gallon steel tank that was removed in 1995. Soil samples taken following tank removal indicated total petroleum hydrocarbons (TPH) diesel range at levels above State Soil Action Levels, and 20 yd<sup>3</sup> of contaminated soil was removed and disposed. Following remediation, the site was closed and the hole was filled with NFRAP (CCHD 1995).

Both of the former UST sites would be defined as *historical recognized environmental conditions* with no environmental risk to the subject property.

### **3.5.3 Pipelines, Hydrant Fueling, and Transfer Systems**

According to interviews, document searches, and a site reconnaissance, no pipelines, hydrant fueling or transfer systems are within the subject property.

### **3.6 OIL WATER SEPARATORS**

According to record searches, interviews, and a site reconnaissance, oil water separators were located within the subject property behind the Dining Hall (Building 10206, see Photograph 13, Appendix C). The separators were formerly used to separate grease and cooking oils from wastewater prior to discharge into the sewer system. They are no longer used for that purpose.

### **3.7 PESTICIDES**

No visual evidence of the past use or storage of pesticides was observed within the subject property.

### **3.8 MEDICAL BIOHAZARDOUS WASTE**

According to record searches, interviews, and a site reconnaissance, no evidence of medical bio-hazardous waste was found within the subject property.

### **3.9 ORDNANCE**

No visual evidence of ordnance was found within the subject property during the site reconnaissance, and no evidence of past ordnance disposal was found in Nellis AFB files. The Nellis AFB Weapons Storage Area is located to the south and east of the subject property, and a large amount of ordnance is stored there.

### **3.10 RADIOACTIVE WASTES**

According to interviews, document searches, and visual observations, no evidence of current storage or disposal of radioactive waste was found within the subject property. Radioactive waste is generated and stored within the Weapons Storage Area south of the subject property.

### **3.11 SOLID WASTE**

No solid waste was observed within the subject property.

### **3.12 GROUND WATER**

The estimated depth to groundwater in the vicinity of the subject property is estimated to be approximately 130 feet bgs (CCHD 1992).

### **3.13 WASTEWATER TREATMENT, COLLECTION AND DISCHARGE**

There was no historical or current evidence suggesting wastewater treatment, collection, or discharge occurred within the subject property. There is a former wastewater treatment leach field (ERP Site WP-23) located approximately 2,600 feet west of the subject property. Construction is also underway on the subject property to replace and upgrade the sewer collection system for the buildings.

### **3.14 DISCLOSURE ITEMS**

#### **3.14.1 Drinking Water Quality**

Drinking water is not obtained from the subject property, nor has there been any evidence of public water wells found on or near the subject property.

#### **3.14.2 Asbestos**

There was known asbestos containing material (ACM) indicated in the buildings on the subject property according to surveys performed prior to occupation of the buildings by the Federal Bureau of Prisons. Much of the ACM has been replaced with non-ACM products, primarily in the basements of the buildings where boilers and piping are located. Some possible ACM was observed as pipe insulation and boiler or hot water heater insulation during the site inspection. An in-depth asbestos survey was not performed as part of this assessment.

#### **3.14.3 Polychlorinated Biphenyls (PCBs)**

Numerous transformers were observed within the subject property (see Appendix C, Photographs 27, 28 and 33). Most did not have blue labels affixed indicating that the



transformer is free (<50 parts per million) of PCBs; however, all Nellis AFB transformers were tested in 1994, and any transformers containing PCBs were removed at that time and disposed of according to regulatory requirements (Nellis AFB 2006d). All of the transformers were observed to be in good working condition and no fluid spills were noted. The former EBS completed for the site in 2006 (US Department of Justice 2006) also stated that the transformers were free of PCBs according to Federal Bureau of Prisons personnel interviewed at that time.

#### **3.14.4 Radon**

According to record searches, interviews, and a site reconnaissance, no radon sources are present within the subject property. Indications of past radon surveys were noted during the site inspection (Photograph 7, Appendix C). According to Nellis AFB records reviewed, no levels of radon above the EPA recommended action level of 4 picocurie per liter were found in past surveys.

#### **3.14.5 Lead-Based Paint**

A 2005 survey for lead-based paint was conducted in several buildings on the subject property by DGM Environmental (DGM 2001-2006). The survey found lead in surface paint in the Dining Hall (Building 10206) in numerous locations. The paint was not peeling or friable, and no further precautions were recommended unless remodeling or demolition occurred. Because all of the buildings were constructed in the mid-1950s, prior to strict controls on the amount of lead in interior paints, there is a chance that the original paint used in other buildings may contain lead. Testing for lead content should be done on any wall finishes scheduled for removal or sanding prior to repainting.

***SECTION 4.0***  
***FINDINGS FOR ADJACENT PROPERTIES***

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## **4.0 FINDINGS FOR ADJACENT PROPERTIES**

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### **4.1 LAND USES**

All of the property surrounding the subject property is owned by Nellis AFB. To the south and east of the subject property, across Bergstrom Avenue, is the Weapons Storage Area. The area is highly secured and well maintained, and does not pose an environmental risk to the subject property.

The welding and maintenance shops used by units based in the vicinity of the subject property are located to the north of the subject property, across Seymour Johnson Avenue. A large running track is located across Grand Forks Avenue from the subject property.

To the west of the subject property are the remainder of the buildings and grounds that are part of the complex that includes the subject property.

No *recognized environmental conditions* were found on any of the adjacent properties.

### **4.2 SURVEYED PROPERTIES**

All of the properties adjacent to the subject property were visually inspected for hazardous materials/waste and petroleum products, but the inspection was limited to what could be seen from the boundaries of the subject property. No visual evidence of contamination or other environmental concerns was observed on adjacent properties.

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**SECTION 5.0**  
***APPLICABLE REGULATORY COMPLIANCE ISSUES***





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## **5.0 APPLICABLE REGULATORY COMPLIANCE ISSUES**

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### **5.1 LIST OF COMPLIANCE ISSUES**

No outstanding compliance issues exist on the subject property.

### **5.2 DESCRIPTION OF CORRECTIVE ACTIONS**

No environmental compliance deficiencies exist on the subject property; therefore, no corrective actions will be required.

### **5.3 ESTIMATES OF VARIOUS ALTERNATIVES**

No other alternative was considered under the Phase I EBS.



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*SECTION 6.0*  
*CONCLUSIONS*





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## **6.0 CONCLUSIONS**

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### **6.1 FACILITY MATRIX**

No new facilities would be involved with the proposed lease of the subject property.

### **6.2 PROPERTY CATEGORIES MAP**

No hazardous materials or petroleum products are present on the subject property; therefore, a property categories map is not necessary. With the exception of the two former UST sites near Building 10236 and Building 10237, which are classified as Category 4, all of the subject property is classified as Category 1.

### **6.3 RESOURCES MAP**

Since no critical resources are located on the subject property, no resource maps are attached.

### **6.4 DATA GAPS**

The only data gap was the lack of appropriate historical documents back to 1940, particularly to the availability of appropriate 7.5-minute historic topographic quadrangles. Historical quadrangles were available for 1952 and 1986, but the topographic map from 1952 was at a greater scale than that recommended as a standard by ASTM. However, sufficient and credible information was obtained from historic aerials to make an accurate determination of the historical uses of the subject property and surrounding areas.

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***SECTION 7.0***  
***RECOMMENDATIONS***





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## **7.0 RECOMMENDATIONS**

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Based on interviews, document searches, environmental database reviews, and a site reconnaissance, there is evidence that hazardous materials or petroleum products have been stored or released on the subject property, in two former USTs that were removed and remediated with NFRAP. These two UST sites do not pose an environmental risk to the subject property. No other environmental risk conditions were found, and GSRC recommends that no further environmental studies be conducted for the subject property.

There is a possibility that ACM and lead-based paint exist in buildings on the subject property, and surveys for those substances are recommended where necessary to protect public health.



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***SECTION 8.0***  
***CERTIFICATIONS***





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## 8.0 CERTIFICATIONS

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The opinions and conclusions set forth in this report, either expressed or implied, are based solely upon the work and information described herein. No water or air sampling and analysis were conducted for the subject site; therefore, no statement can be made as to their actual quality. Comments regarding the site reconnaissance and records research results are limited strictly to field observations and the actual records that were reviewed by GSRC. No warranty or guarantee is made or intended. Should any higher level of confidence be desired, physical sampling and laboratory analysis (Phase II of an EBS) would be necessary.

I declare that, to the best of my professional knowledge and belief, I meet the definition of an environmental professional as defined in §312.10 of 40 CFR 312, and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed all of the appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Stephen Oivanki  
Project Manager  
GSRC

Signature



Date

23 October 2007

## ATTACHMENT 1

### CERTIFICATION OF THE ENVIRONMENTAL BASELINE SURVEY

GSRC has conducted this Environmental Baseline Survey on behalf of the Air Force. GSRC has reviewed all appropriate records, and conducted visual site inspections of the selected facilities following an analysis of information during the record search. The information contained within the survey report, to the best of GSRC's knowledge, is correct and current as of 19 October 2007.

Certified by:



STEPHEN OIVANKI  
GSRC Project Manager

23 October 2007

Date

Approved by:



KENNETH KESKEL  
Colonel, USAF  
Vice Commander, 99th Air Base Wing

1 Nov 07

Date

**ATTACHMENT 2**

**CERTIFICATION OF POLYCHLORINATED BIPHENYLS CLEARANCE**


A records search and on-site inspection indicate that this property has not been exposed to PCB materials or equipment.

Certified by:

  
STEPHEN OIVANKI  
GSRC Project Manager

23 October 2007  
Date

Approved by:

  
KENNETH KESKEL  
Colonel, USAF  
Vice Commander, 99th Air Base Wing

1 Nov 07  
Date

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***APPENDIX A***  
***EDR Report***









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

**National Guard Bureau Youth Camp  
Bergstrom Avenue  
Nellis, NV 89191**

**Inquiry Number: 1991345.2s**

**July 30, 2007**

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

440 Wheelers Farms Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

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

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

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## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

BERGSTROM AVENUE  
NELLIS, NV 89191

#### COORDINATES

Latitude (North):	36.253500 - 36° 15' 12.6"
Longitude (West):	114.973600 - 114° 58' 25.0"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	682064.2
UTM Y (Meters):	4013769.0
Elevation:	1976 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	36114-C8 APEX, NV
Most Recent Revision:	1986
South Map:	36114-B8 FRENCHMAN MOUNTAIN, NV
Most Recent Revision:	1986

### TARGET PROPERTY SEARCH RESULTS

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

### DATABASES WITH NO MAPPED SITES

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

### FEDERAL RECORDS

NPL.....	National Priority List
Proposed NPL.....	Proposed National Priority List Sites
Delisted NPL.....	National Priority List Deletions
NPL LIENS.....	Federal Superfund Liens
CERCLIS.....	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP.....	CERCLIS No Further Remedial Action Planned
CORRACTS.....	Corrective Action Report

## EXECUTIVE SUMMARY

<b>RCRA-TSDF</b>	Resource Conservation and Recovery Act Information
<b>RCRA-LQG</b>	Resource Conservation and Recovery Act Information
<b>RCRA-SQG</b>	Resource Conservation and Recovery Act Information
<b>ERNS</b>	Emergency Response Notification System
<b>HMIRS</b>	Hazardous Materials Information Reporting System
<b>US ENG CONTROLS</b>	Engineering Controls Sites List
<b>US INST CONTROL</b>	Sites with Institutional Controls
<b>FUDS</b>	Formerly Used Defense Sites
<b>US BROWNFIELDS</b>	A Listing of Brownfields Sites
<b>CONSENT</b>	Superfund (CERCLA) Consent Decrees
<b>ROD</b>	Records Of Decision
<b>UMTRA</b>	Uranium Mill Tailings Sites
<b>ODI</b>	Open Dump Inventory
<b>TRIS</b>	Toxic Chemical Release Inventory System
<b>TSCA</b>	Toxic Substances Control Act
<b>FTTS</b>	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
<b>SSTS</b>	Section 7 Tracking Systems
<b>LUCIS</b>	Land Use Control Information System
<b>DOT OPS</b>	Incident and Accident Data
<b>ICIS</b>	Integrated Compliance Information System
<b>HIST FTTS</b>	FIFRA/TSCA Tracking System Administrative Case Listing
<b>US CDL</b>	Clandestine Drug Labs
<b>RADINFO</b>	Radiation Information Database
<b>LIENS 2</b>	CERCLA Lien Information
<b>PADS</b>	PCB Activity Database System
<b>MLTS</b>	Material Licensing Tracking System
<b>MINES</b>	Mines Master Index File
<b>FINDS</b>	Facility Index System/Facility Registry System
<b>RAATS</b>	RCRA Administrative Action Tracking System

### STATE AND LOCAL RECORDS

<b>SHWS</b>	Sites Database
<b>SWF/LF</b>	Landfill List
<b>SWRCY</b>	Recycling Information Listing
<b>LUST</b>	Sites Database
<b>UST</b>	Underground Storage Tank List
<b>AST</b>	Aboveground Storage Tank List
<b>VCP</b>	Voluntary Cleanup Program Sites
<b>BROWNFIELDS</b>	Project Tracking Database
<b>NPDES</b>	Permitted Facility Listing
<b>AIRS</b>	Permitted Airs Facility Listing
<b>TIER 2</b>	Hazardous Materials Repository Information Data

### TRIBAL RECORDS

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

### EDR PROPRIETARY RECORDS

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

## EXECUTIVE SUMMARY

**EDR Historical Cleaners**..... EDR Proprietary Historic Dry Cleaners

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

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

### FEDERAL RECORDS

**DOD:** Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

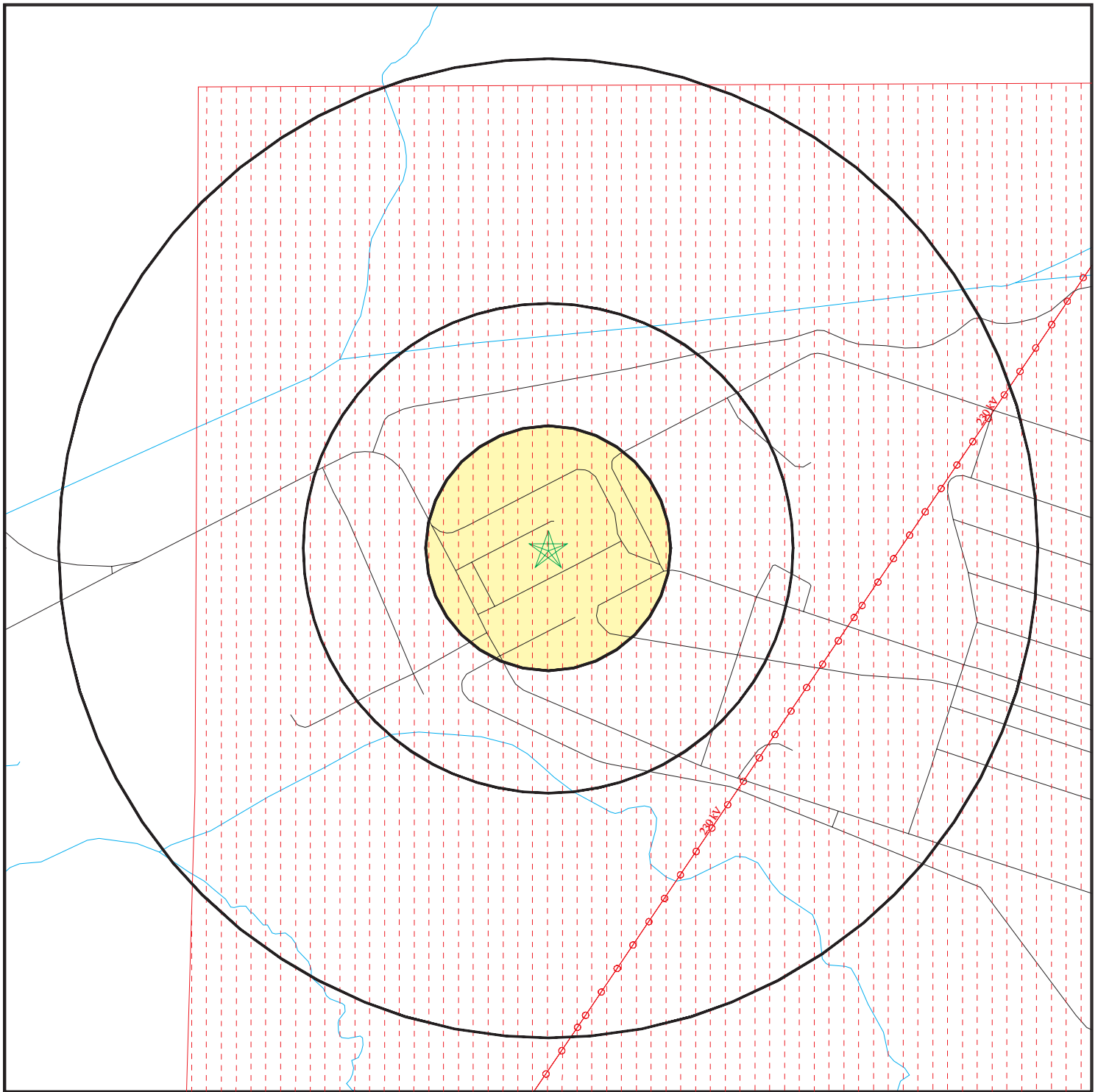
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NELLIS AIR FORCE BASE		0 - 1/8	0	6

## EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
QUE WEST TRANSPORT	SHWS
FNF CONSTRUCTION	SHWS
INTERPOINT TRANSPORTATION MOBILE S	SHWS
NELLIS AIR FORCE BASE	SHWS
NELLIS AIR FORCE BASE	SHWS
INDIAN SPRINGS AIR FORCE BASE	SHWS
AMERICAN SAFETY INSTITUTE	SHWS
FREHNER CONSTRUCTION	SHWS
NELLIS AIR FORCE BASE	SHWS
NELLIS AIR FORCE BASE	SHWS
NELLIS AIR FORCE BASE	SHWS
NELLIS AIR FORCE BASE	SHWS
NELLIS AIR FORCE BASE	SHWS
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NELLIS AIR FORCE BASE	SHWS
NELLIS AIR FORCE BASE	SHWS
NELLIS AIR FORCE BASE - INDIAN S	SHWS
NELLIS AIR FORCE BASE	SHWS
NELLIS AIR FORCE BASE	SHWS

# OVERVIEW MAP - 1991345.2s



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

- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

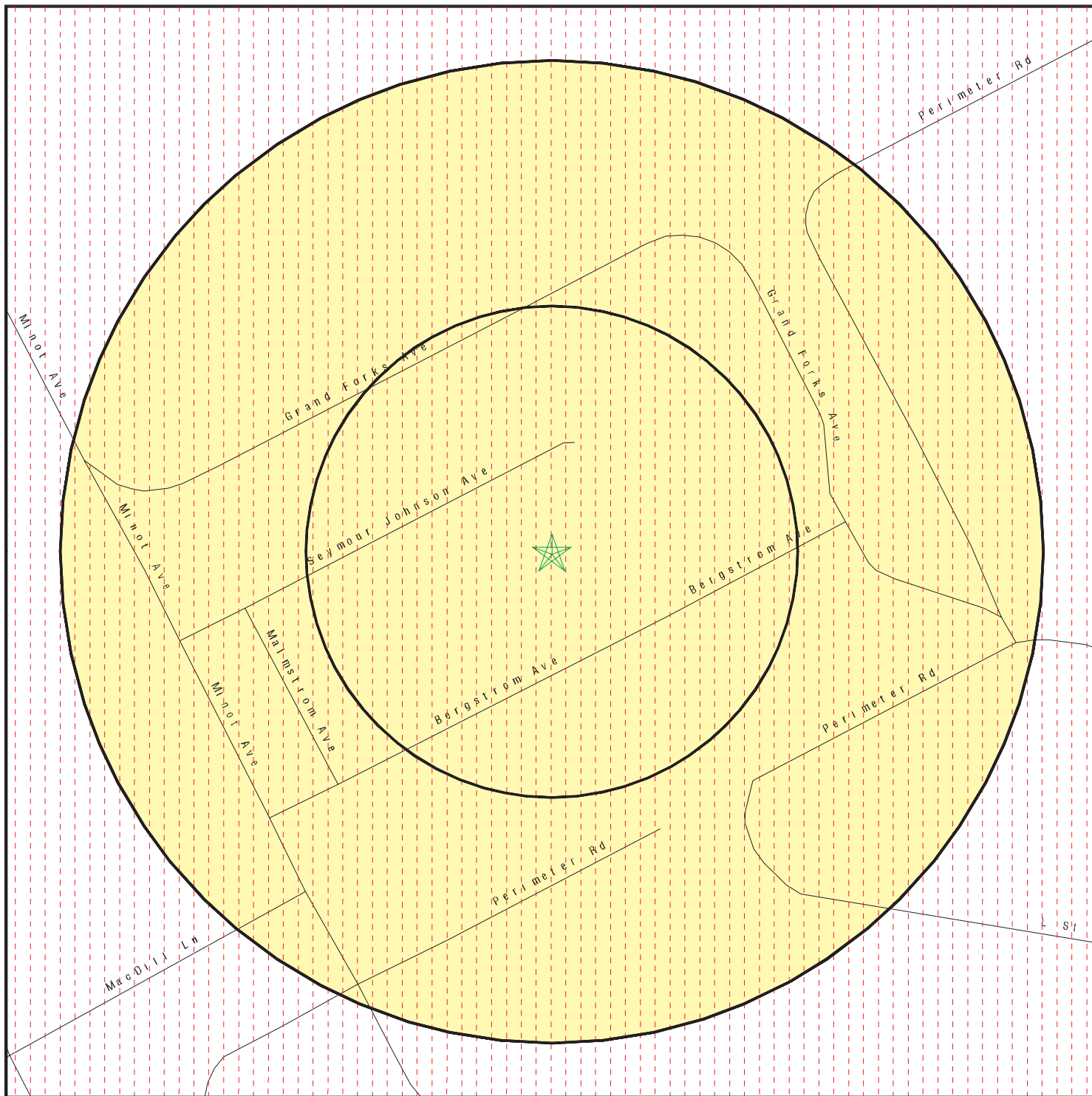
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: National Guard Bureau Youth Camp  
 ADDRESS: Bergstrom Avenue  
 Nellis NV 89191  
 LAT/LONG: 36.2535 / 114.9736

CLIENT: Gulf South Research Corp.  
 CONTACT: Greg Lacy  
 INQUIRY #: 1991345.2s  
 DATE: July 30, 2007 9:38 pm



# DETAIL MAP - 1991345.2s



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

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

0 1/16 1/8 1/4 Miles



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

SITE NAME: National Guard Bureau Youth Camp  
 ADDRESS: Bergstrom Avenue  
 Nellis NV 89191  
 LAT/LONG: 36.2535 / 114.9736

CLIENT: Gulf South Research Corp.  
 CONTACT: Greg Lacy  
 INQUIRY #: 1991345.2s  
 DATE: July 30, 2007 9:38 pm

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL RECORDS</u></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	0	0	NR	NR	NR	0
ERNS	TP		NR	NR	NR	NR	NR	0
HMIRS	TP		NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	1	0	0	0	NR	1
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	TP		NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
CDL	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
LIENS 2	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
State Haz. Waste		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
LUST		0.500	0	0	0	NR	NR	0
UST		0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0

## MAP FINDINGS SUMMARY

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

**NOTES:**

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DOD  
Region**

**NELLIS AIR FORCE BASE  
NELLIS AIR FORCE BASE (County), NV**

**DOD CUSA137891  
N/A**

< 1/8  
1 ft.

DOD:

Feature 1: Air Force DOD  
Feature 2: Not reported  
Feature 3: Not reported  
URL: Not reported  
Name 1: Nellis Air Force Base  
Name 2: Not reported  
Name 3: Not reported  
State: NV  
DOD Site: Yes  
Tile name: NVCLARK

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
CLARK COUNTY	S108250003	AMERICAN SAFETY INSTITUTE	U.S. HIGHWAY 95 @ U.S. HIGHWAY		SHWS
CLARK COUNTY	S108250110	FREHNER CONSTRUCTION	STATE ROUTE 376 @ MILE POST 8		SHWS
CLARK COUNTY	S108250295	QUE WEST TRANSPORT	INTERSTATE 15 @ MILE MARKER 02		SHWS
CLARK COUNTY	S108250101	FNF CONSTRUCTION	INTERSTATE 15 @ MILE MARKER 04		SHWS
CLARK COUNTY	S108250160	INTERPOINT TRANSPORTATION MOBILE S	INTERSTATE 15 @ EXIT 064		SHWS
CLARK COUNTY	S108250226	NELLIS AIR FORCE BASE	AREA 2, TANK 10-116		SHWS
CLARK COUNTY	S108250227	NELLIS AIR FORCE BASE	AREA 2, TANK 10-322		SHWS
CLARK COUNTY	S108250156	INDIAN SPRINGS AIR FORCE BASE	BOX CANYON		SHWS
LAS VEGAS	S108250224	NELLIS AIR FORCE BASE	#10207, #10236, #10250	89191	SHWS
LAS VEGAS	S103876894	NELLIS AIR FORCE BASE	#1024	89191	SHWS
LAS VEGAS	S103876895	NELLIS AIR FORCE BASE	#1100	89191	SHWS
LAS VEGAS	S103876896	NELLIS AIR FORCE BASE	#1110	89191	SHWS
LAS VEGAS	S103876897	NELLIS AIR FORCE BASE	#1602	89191	SHWS
LAS VEGAS	S103876898	NELLIS AIR FORCE BASE	#1709	89191	SHWS
LAS VEGAS	S103876899	NELLIS AIR FORCE BASE	#1730	89191	SHWS
LAS VEGAS	S103876901	NELLIS AIR FORCE BASE	#201	89191	SHWS
LAS VEGAS	S103876091	NELLIS AIR FORCE BASE	#216	89191	SHWS
LAS VEGAS	S103876870	NELLIS AIR FORCE BASE - INDIAN S	#2275	89191	SHWS
LAS VEGAS	S103876904	NELLIS AIR FORCE BASE	#523	89191	SHWS
LAS VEGAS	S103876905	NELLIS AIR FORCE BASE	#589	89191	SHWS

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## **FEDERAL RECORDS**

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

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

Date of Government Version: 04/20/2007	Source: EPA
Date Data Arrived at EDR: 05/03/2007	Telephone: N/A
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/03/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 07/30/2007
	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 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

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

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/20/2007	Source: EPA
Date Data Arrived at EDR: 05/03/2007	Telephone: N/A
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/03/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 07/30/2007
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/20/2007	Source: EPA
Date Data Arrived at EDR: 05/03/2007	Telephone: N/A
Date Made Active in Reports: 06/25/2007	Last EDR Contact: 05/03/2007
Number of Days to Update: 53	Next Scheduled EDR Contact: 07/30/2007
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **NPL LIENS:** Federal Superfund Liens

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

Date of Government Version: 10/15/1991

Date Data Arrived at EDR: 02/02/1994

Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267

Last EDR Contact: 05/21/2007

Next Scheduled EDR Contact: 08/20/2007

Data Release Frequency: No Update Planned

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

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

Date of Government Version: 02/27/2007

Date Data Arrived at EDR: 03/21/2007

Date Made Active in Reports: 04/27/2007

Number of Days to Update: 37

Source: EPA

Telephone: 703-412-9810

Last EDR Contact: 06/20/2007

Next Scheduled EDR Contact: 09/17/2007

Data Release Frequency: Quarterly

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

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

Date of Government Version: 03/21/2007

Date Data Arrived at EDR: 04/27/2007

Date Made Active in Reports: 05/25/2007

Number of Days to Update: 28

Source: EPA

Telephone: 703-412-9810

Last EDR Contact: 06/15/2007

Next Scheduled EDR Contact: 09/17/2007

Data Release Frequency: Quarterly

### **CORRACTS:** Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/14/2007

Date Data Arrived at EDR: 03/20/2007

Date Made Active in Reports: 04/27/2007

Number of Days to Update: 38

Source: EPA

Telephone: 800-424-9346

Last EDR Contact: 06/04/2007

Next Scheduled EDR Contact: 09/03/2007

Data Release Frequency: Quarterly

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: (415) 495-8895
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 07/16/2007
Number of Days to Update: 56	Next Scheduled EDR Contact: 09/17/2007
	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: 12/31/2006	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/24/2007	Telephone: 202-267-2180
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 07/23/2007
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/22/2007
	Data Release Frequency: Annually

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

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

Date of Government Version: 03/05/2007	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/17/2007	Telephone: 202-366-4555
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 07/18/2007
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/15/2007
	Data Release Frequency: Annually

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

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

Date of Government Version: 04/20/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/26/2007	Telephone: 703-603-8905
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 07/02/2007
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/01/2007
	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: 04/20/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/26/2007	Telephone: 703-603-8905
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 07/02/2007
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/01/2007
	Data Release Frequency: Varies



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 05/11/2007
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/06/2007
	Data Release Frequency: Semi-Annually

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

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

Date of Government Version: 12/31/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/20/2006	Telephone: 202-528-4285
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 07/02/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 10/01/2007
	Data Release Frequency: Varies

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

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

Date of Government Version: 04/04/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/04/2007	Telephone: 202-566-2777
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 06/11/2007
Number of Days to Update: 51	Next Scheduled EDR Contact: 09/10/2007
	Data Release Frequency: Semi-Annually

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

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

Date of Government Version: 08/23/2006	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 03/06/2007	Telephone: Varies
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 07/24/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/22/2007
	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: 03/27/2007	Source: EPA
Date Data Arrived at EDR: 03/27/2007	Telephone: 703-416-0223
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 07/02/2007
Number of Days to Update: 31	Next Scheduled EDR Contact: 10/01/2007
	Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/08/2006	Telephone: 505-845-0011
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 07/05/2007
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Varies

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

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

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

### **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: 12/31/2005	Source: EPA
Date Data Arrived at EDR: 04/27/2007	Telephone: 202-566-0250
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 06/19/2007
Number of Days to Update: 69	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Annually

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

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

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/30/2007
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/15/2007
	Data Release Frequency: Every 4 Years

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

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

Date of Government Version: 04/13/2007	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/25/2007	Telephone: 202-566-1667
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 06/15/2007
Number of Days to Update: 71	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Quarterly

### **FTTS INSP:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/13/2007	Source: EPA
Date Data Arrived at EDR: 04/25/2007	Telephone: 202-566-1667
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 06/15/2007
Number of Days to Update: 71	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **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: 12/31/2005	Source: EPA
Date Data Arrived at EDR: 03/13/2007	Telephone: 202-564-4203
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 07/16/2007
Number of Days to Update: 45	Next Scheduled EDR Contact: 10/15/2007
	Data Release Frequency: Annually

### **LIENS 2:** CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 03/08/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/12/2007	Telephone: 202-564-6023
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 32	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

### **RADINFO:** Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 05/01/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/03/2007	Telephone: 202-343-9775
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 05/03/2007
Number of Days to Update: 22	Next Scheduled EDR Contact: 07/30/2007
	Data Release Frequency: Quarterly

### **CDL:** Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/01/2006	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 01/08/2007	Telephone: 202-307-1000
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 06/29/2007
Number of Days to Update: 3	Next Scheduled EDR Contact: 09/24/2007
	Data Release Frequency: Quarterly

### **HIST FTTS:** FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 06/15/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: No Update Planned

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 02/21/2007  
Date Data Arrived at EDR: 04/03/2007  
Date Made Active in Reports: 05/14/2007  
Number of Days to Update: 41

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 06/22/2007  
Next Scheduled EDR Contact: 07/16/2007  
Data Release Frequency: Quarterly

### **LUCIS:** Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005  
Date Data Arrived at EDR: 12/11/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 31

Source: Department of the Navy  
Telephone: 843-820-7326  
Last EDR Contact: 06/11/2007  
Next Scheduled EDR Contact: 09/10/2007  
Data Release Frequency: Varies

### **DOT OPS:** Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2007  
Date Data Arrived at EDR: 05/30/2007  
Date Made Active in Reports: 07/05/2007  
Number of Days to Update: 36

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 05/30/2007  
Next Scheduled EDR Contact: 08/27/2007  
Data Release Frequency: Varies

### **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: 10/17/2006  
Date Data Arrived at EDR: 11/29/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 43

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 06/08/2007  
Next Scheduled EDR Contact: 08/06/2007  
Data Release Frequency: Annually

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

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

Date of Government Version: 04/05/2007  
Date Data Arrived at EDR: 04/25/2007  
Date Made Active in Reports: 05/25/2007  
Number of Days to Update: 30

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 07/02/2007  
Next Scheduled EDR Contact: 10/01/2007  
Data Release Frequency: Quarterly

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

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

Date of Government Version: 02/06/2007  
Date Data Arrived at EDR: 03/28/2007  
Date Made Active in Reports: 05/14/2007  
Number of Days to Update: 47

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 06/28/2007  
Next Scheduled EDR Contact: 09/24/2007  
Data Release Frequency: Semi-Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 04/12/2007	Source: EPA
Date Data Arrived at EDR: 05/17/2007	Telephone: (415) 947-8000
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 07/02/2007
Number of Days to Update: 49	Next Scheduled EDR Contact: 10/01/2007
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/04/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/03/2007
	Data Release Frequency: No Update Planned

### **BRS:** Biennial Reporting System

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

Date of Government Version: 12/31/2005	Source: EPA/NTIS
Date Data Arrived at EDR: 03/06/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2007	Last EDR Contact: 06/12/2007
Number of Days to Update: 38	Next Scheduled EDR Contact: 09/10/2007
	Data Release Frequency: Biennially

### **USGS WATER WELLS:** National Water Information System (NWIS)

This database consists of well records in the United States. Available site descriptive information includes well location information (latitude and longitude, well depth, site use, water use, and aquifer).

Date of Government Version: 03/25/2005	Source: USGS
Date Data Arrived at EDR: 03/25/2005	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: 03/25/2005
Number of Days to Update: 0	Next Scheduled EDR Contact: N/A
	Data Release Frequency: N/A

### **PWS:** Public Water System Data

This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

Date of Government Version: 02/24/2000	Source: EPA
Date Data Arrived at EDR: 04/27/2005	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: 05/21/2007
Number of Days to Update: 0	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: N/A

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## STATE AND LOCAL RECORDS

### SHWS: Sites Database

A listing of correction action sites.

Date of Government Version: 04/04/2007  
Date Data Arrived at EDR: 04/18/2007  
Date Made Active in Reports: 05/14/2007  
Number of Days to Update: 26

Source: Department of Conservation and Natural Resources  
Telephone: 775-687-5872  
Last EDR Contact: 07/20/2007  
Next Scheduled EDR Contact: 10/15/2007  
Data Release Frequency: Varies

### SWF/LF: Landfill List

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

Date of Government Version: 12/04/2007  
Date Data Arrived at EDR: 12/28/2006  
Date Made Active in Reports: 01/30/2007  
Number of Days to Update: 33

Source: Department of Conservation and Natural Resources  
Telephone: 775-687-5872  
Last EDR Contact: 06/29/2007  
Next Scheduled EDR Contact: 09/24/2007  
Data Release Frequency: Annually

### SWRCY: Recycling Information Listing

A listing of recycling facilities in Nevada.

Date of Government Version: 01/23/2007  
Date Data Arrived at EDR: 04/10/2007  
Date Made Active in Reports: 05/14/2007  
Number of Days to Update: 34

Source: Department of Environmental Protection  
Telephone: 775-687-9463  
Last EDR Contact: 06/15/2007  
Next Scheduled EDR Contact: 09/10/2007  
Data Release Frequency: Varies

### LUST: Sites Database

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

Date of Government Version: 04/04/2007  
Date Data Arrived at EDR: 04/18/2007  
Date Made Active in Reports: 05/14/2007  
Number of Days to Update: 26

Source: Department of Conservation and Natural Resources  
Telephone: 775-687-5872  
Last EDR Contact: 07/20/2007  
Next Scheduled EDR Contact: 10/15/2007  
Data Release Frequency: Varies

### UST: Underground Storage Tank List

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: 04/04/2007  
Date Data Arrived at EDR: 04/17/2007  
Date Made Active in Reports: 05/11/2007  
Number of Days to Update: 24

Source: Department of Conservation and Natural Resources  
Telephone: 775-687-5872  
Last EDR Contact: 07/18/2007  
Next Scheduled EDR Contact: 10/15/2007  
Data Release Frequency: Varies

### AST: Aboveground Storage Tank List

Registered Aboveground Storage Tanks.

Date of Government Version: 01/10/2000  
Date Data Arrived at EDR: 01/11/2000  
Date Made Active in Reports: 02/16/2000  
Number of Days to Update: 36

Source: Department of Conservation and Natural Resources  
Telephone: 775-687-5872  
Last EDR Contact: 07/16/2007  
Next Scheduled EDR Contact: 10/15/2007  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **VCP:** Voluntary Cleanup Program Sites

The Voluntary Cleanup Program provides relief from liability to owners who undertake cleanups of contaminated properties under the oversight of the Nevada Division of Environmental Protection.

Date of Government Version: 04/30/2007  
Date Data Arrived at EDR: 05/01/2007  
Date Made Active in Reports: 06/06/2007  
Number of Days to Update: 36

Source: Department of Conservation & Natural Resources  
Telephone: 775-687-9381  
Last EDR Contact: 07/16/2007  
Next Scheduled EDR Contact: 10/15/2007  
Data Release Frequency: Varies

### **BROWNFIELDS:** Project Tracking Database

Brownfields sites included in the Project Tracking Database. The term "brownfields" is used to describe abandoned, idled, or underused industrial or commercial properties taken out of productive use because of real or perceived risks from environmental contamination. The State of Nevada has initiated Brownfields, a land-recycling program, to provide an opportunity to redevelop these undesirable properties and revitalize communities.

Date of Government Version: 04/04/2007  
Date Data Arrived at EDR: 04/18/2007  
Date Made Active in Reports: 05/14/2007  
Number of Days to Update: 26

Source: Division of Environmental Protection  
Telephone: 775-687-9384  
Last EDR Contact: 07/20/2007  
Next Scheduled EDR Contact: 10/15/2007  
Data Release Frequency: Varies

### **NPDES:** Permitted Facility Listing

A listing of permitted wastewater facilities.

Date of Government Version: 11/07/2006  
Date Data Arrived at EDR: 11/07/2006  
Date Made Active in Reports: 12/15/2006  
Number of Days to Update: 38

Source: Department of Environmental Protection  
Telephone: 775-687-9414  
Last EDR Contact: 07/16/2007  
Next Scheduled EDR Contact: 10/15/2007  
Data Release Frequency: Varies

### **AIRS:** Permitted Airs Facility Listing

A listing of permitted Airs facilities and their associated emissions information.

Date of Government Version: 08/29/2006  
Date Data Arrived at EDR: 08/31/2006  
Date Made Active in Reports: 10/10/2006  
Number of Days to Update: 40

Source: Division of Environmental Protection  
Telephone: 775-687-9359  
Last EDR Contact: 05/30/2007  
Next Scheduled EDR Contact: 07/16/2007  
Data Release Frequency: Varies

### **TIER 2:** Hazardous Materials Repository Information Data

Emergency Planning and Community Right-to-Know Act (EPCRA) required facilities which store or manufacture hazardous materials to prepare and submit a chemical inventory report by March 1st of each year to the State Emergency Response Commission (SERC), LEPC and the local fire department. The inventory form must include information on all hazardous chemicals present at the facility during the previous calendar year in amounts that meet or exceed thresholds.

Date of Government Version: 05/21/2007  
Date Data Arrived at EDR: 05/23/2007  
Date Made Active in Reports: 07/03/2007  
Number of Days to Update: 41

Source: State Emergency Response Commission  
Telephone: 775-687-6973  
Last EDR Contact: 07/20/2007  
Next Scheduled EDR Contact: 10/15/2007  
Data Release Frequency: Semi-Annually

### **TRIBAL RECORDS**

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

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

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 12/08/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 34

Source: USGS  
Telephone: 202-208-3710  
Last EDR Contact: 05/11/2007  
Next Scheduled EDR Contact: 08/06/2007  
Data Release Frequency: Semi-Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/30/2007	Source: EPA Region 8
Date Data Arrived at EDR: 05/31/2007	Telephone: 303-312-6271
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

### INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2007	Source: EPA Region 7
Date Data Arrived at EDR: 06/14/2007	Telephone: 913-551-7003
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

### INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005	Source: EPA Region 6
Date Data Arrived at EDR: 01/21/2005	Telephone: 214-665-6597
Date Made Active in Reports: 02/28/2005	Last EDR Contact: 05/21/2007
Number of Days to Update: 38	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

### INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Minnesota, Mississippi and North Carolina.

Date of Government Version: 03/20/2007	Source: EPA Region 4
Date Data Arrived at EDR: 04/16/2007	Telephone: 404-562-8677
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Semi-Annually

### INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006	Source: EPA Region 1
Date Data Arrived at EDR: 12/01/2006	Telephone: 617-918-1313
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 59	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

### INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/23/2007	Source: EPA Region 10
Date Data Arrived at EDR: 05/24/2007	Telephone: 206-553-2857
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

### INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/18/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/18/2007	Telephone: 415-972-3372
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 17	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### INDIAN UST R10: Underground Storage Tanks on Indian Land

Date of Government Version: 05/23/2007	Source: EPA Region 10
Date Data Arrived at EDR: 05/24/2007	Telephone: 206-553-2857
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

### INDIAN UST R9: Underground Storage Tanks on Indian Land

Date of Government Version: 06/18/2007	Source: EPA Region 9
Date Data Arrived at EDR: 06/18/2007	Telephone: 415-972-3368
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 17	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

### INDIAN UST R4: Underground Storage Tanks on Indian Land

Date of Government Version: 03/20/2007	Source: EPA Region 4
Date Data Arrived at EDR: 04/16/2007	Telephone: 404-562-9424
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Semi-Annually

### INDIAN UST R6: Underground Storage Tanks on Indian Land

Date of Government Version: 06/06/2007	Source: EPA Region 6
Date Data Arrived at EDR: 06/07/2007	Telephone: 214-665-7591
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Semi-Annually

### INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006	Source: EPA, Region 1
Date Data Arrived at EDR: 12/01/2006	Telephone: 617-918-1313
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 59	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

### INDIAN UST R5: Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 05/21/2007
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

### INDIAN UST R8: Underground Storage Tanks on Indian Land

Date of Government Version: 05/30/2007	Source: EPA Region 8
Date Data Arrived at EDR: 05/31/2007	Telephone: 303-312-6137
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

### INDIAN UST R7: Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2007	Source: EPA Region 7
Date Data Arrived at EDR: 06/14/2007	Telephone: 913-551-7003
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR PROPRIETARY RECORDS

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

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

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

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

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

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

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

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

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

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

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

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

## COUNTY RECORDS

### **WASHOE COUNTY:**

#### **Underground Storage Tank in Washoe County**

A listing of underground storage tank sites located in Washoe County.

Date of Government Version: 03/26/2007  
Date Data Arrived at EDR: 03/27/2007  
Date Made Active in Reports: 04/19/2007  
Number of Days to Update: 23

Source: Washoe County Department of Environmental Health  
Telephone: 775-328-2493  
Last EDR Contact: 06/25/2007  
Next Scheduled EDR Contact: 09/24/2007  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## OTHER DATABASE(S)

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

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

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

Date of Government Version: 12/31/2004	Source: Department of Environmental Protection
Date Data Arrived at EDR: 02/17/2006	Telephone: 860-424-3375
Date Made Active in Reports: 04/07/2006	Last EDR Contact: 06/13/2007
Number of Days to Update: 49	Next Scheduled EDR Contact: 09/10/2007
	Data Release Frequency: Annually

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

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

Date of Government Version: 10/26/2006	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 11/29/2006	Telephone: 518-402-8651
Date Made Active in Reports: 01/05/2007	Last EDR Contact: 06/01/2007
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/27/2007
	Data Release Frequency: Annually

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

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

Source: PennWell Corporation

Telephone: (800) 823-6277

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

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

### **AHA Hospitals:**

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

### **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 Human Resources

Telephone: 775-684-1100

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

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

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

Source: United States Geologic Survey

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

### **STREET AND ADDRESS INFORMATION**

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

### **TARGET PROPERTY ADDRESS**

NATIONAL GUARD BUREAU YOUTH CAMP  
BERGSTROM AVENUE  
NELLIS, NV 89191

### **TARGET PROPERTY COORDINATES**

Latitude (North):	36.25350 - 36° 15' 12.6"
Longitude (West):	114.9736 - 114° 58' 25.0"
Universal Transverse Mercator:	Zone 11
UTM X (Meters):	682064.2
UTM Y (Meters):	4013769.0
Elevation:	1976 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	36114-C8 APEX, NV
Most Recent Revision:	1986
South Map:	36114-B8 FRENCHMAN MOUNTAIN, NV
Most Recent Revision:	1986

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

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

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

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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW DIRECTION INFORMATION

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

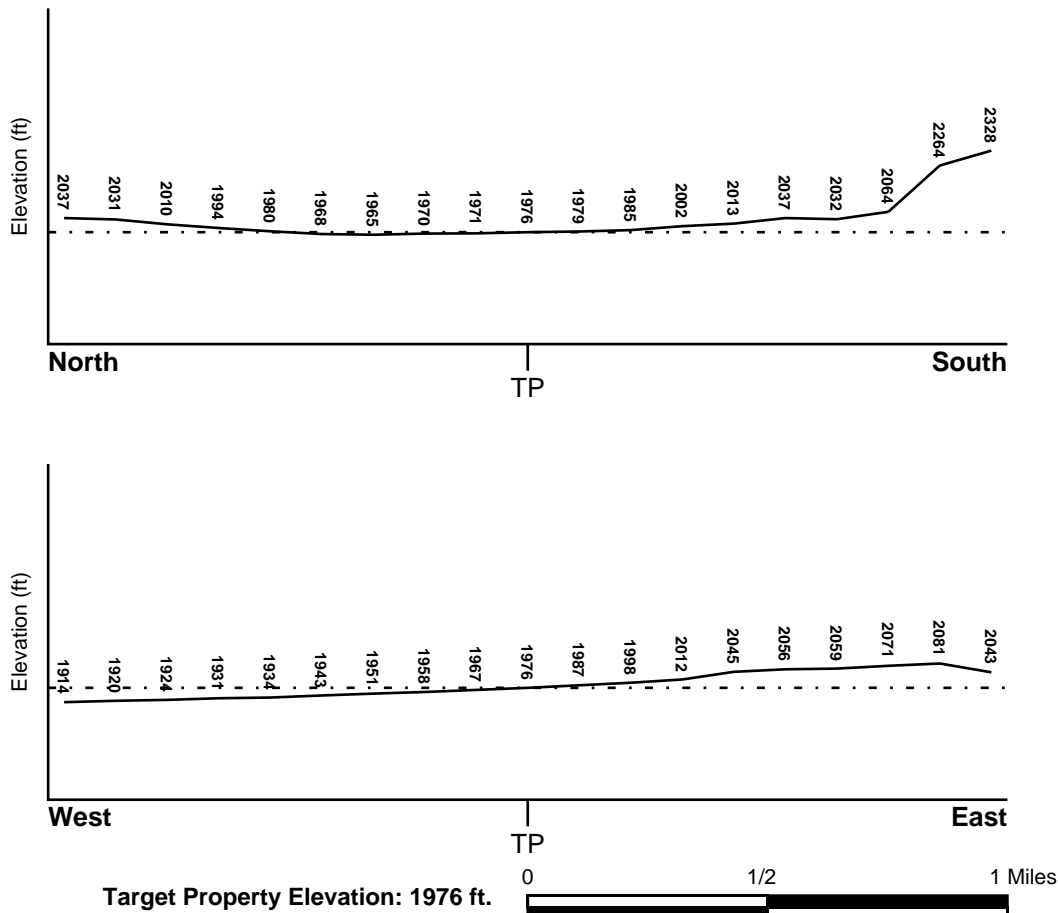
### TOPOGRAPHIC INFORMATION

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

### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### HYDROLOGIC INFORMATION

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

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

### FEMA FLOOD ZONE

<u>Target Property County</u>	<u>FEMA Flood</u>
CLARK, NV	<u>Electronic Data</u>
	YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	32003C1825D
Additional Panels in search area:	32003C2225D

### NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic</u>
DRY LAKE	<u>Data Coverage</u>
	YES - refer to the Overview Map and Detail Map

### HYDROGEOLOGIC INFORMATION

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

#### *Site-Specific Hydrogeological Data\*:*

Search Radius:	1.25 miles
Status:	Not found

### AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

\* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW VELOCITY INFORMATION

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

### GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

#### ROCK STRATIGRAPHIC UNIT

Era: Cenozoic  
System: Tertiary  
Series: Pliocene  
Code: Tpc (decoded above as Era, System & Series)

#### GEOLOGIC AGE IDENTIFICATION

Category: Continental Deposits

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

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

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

Soil Component Name: GLENCARB

Soil Surface Texture: silt loam

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

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

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

Corrosion Potential - Uncoated Steel: HIGH

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	8 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 2.00 Min: 0.60	Max: 9.00 Min: 7.90
2	8 inches	60 inches	stratified	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 9.00 Min: 7.90

### OTHER SOIL TYPES IN AREA

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

Soil Surface Textures: very fine sandy loam  
very gravelly - sandy clay loam  
gravelly - fine sandy loam  
gravelly - loamy fine sand  
very gravelly - fine sandy loam

Surficial Soil Types: very fine sandy loam  
very gravelly - sandy clay loam  
gravelly - fine sandy loam  
gravelly - loamy fine sand  
very gravelly - fine sandy loam

Shallow Soil Types: fine sandy loam  
stratified

Deeper Soil Types: very gravelly - sandy loam  
indurated  
silt loam

### LOCAL / REGIONAL WATER AGENCY RECORDS

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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### WELL SEARCH DISTANCE INFORMATION

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

### **FEDERAL USGS WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	USGS3088668	1/2 - 1 Mile WSW
A2	USGS3088670	1/2 - 1 Mile WSW

### **FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

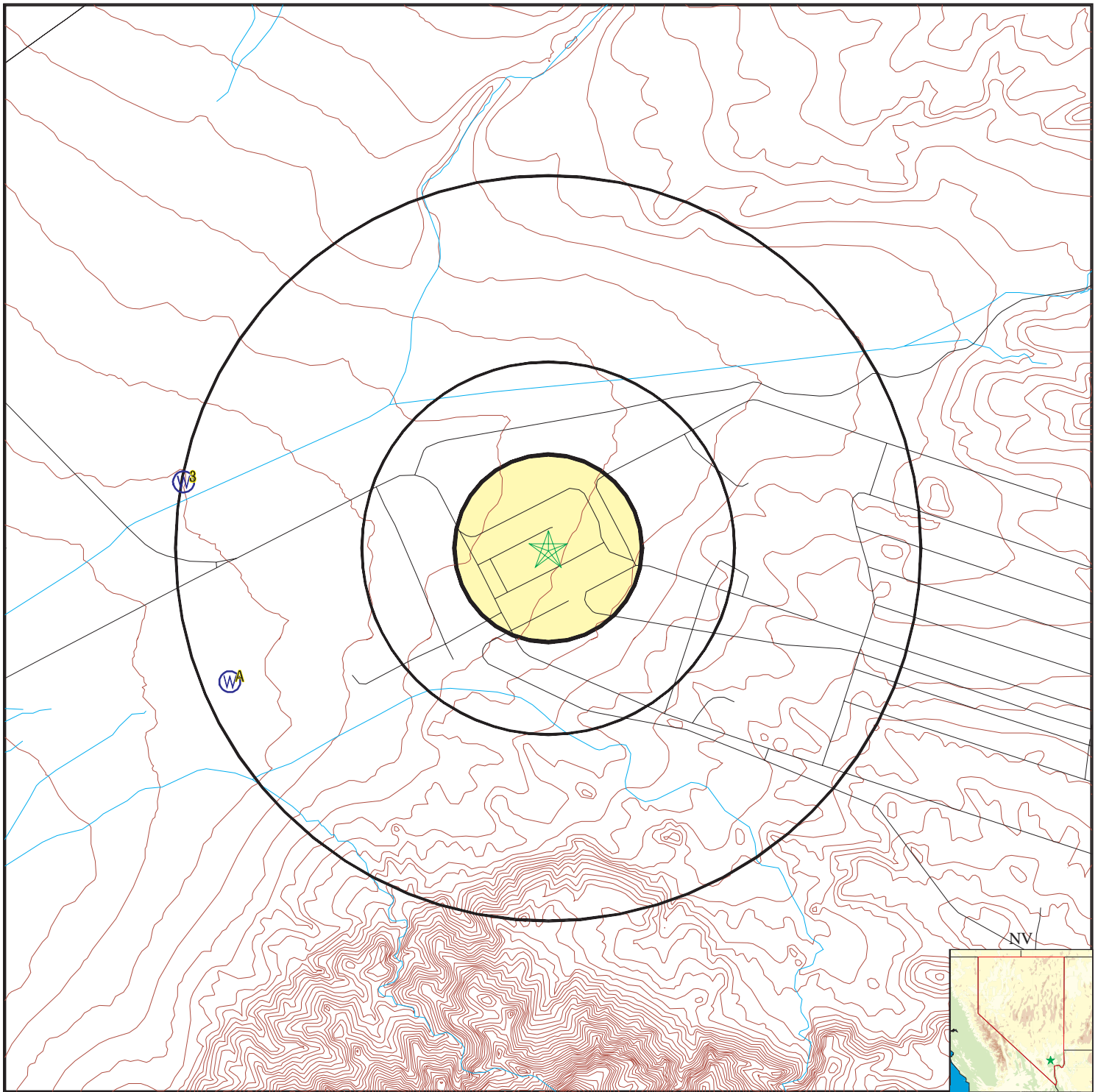
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

### **STATE DATABASE WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
3	NV2000000034554	1/2 - 1 Mile West

# PHYSICAL SETTING SOURCE MAP - 1991345.2s



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

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data

SITE NAME: National Guard Bureau Youth Camp  
 ADDRESS: Bergstrom Avenue  
 Nellis NV 89191  
 LAT/LONG: 36.2535 / 114.9736

CLIENT: Gulf South Research Corp.  
 CONTACT: Greg Lacy  
 INQUIRY #: 1991345.2s  
 DATE: July 30, 2007 9:38 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**A1**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS3088668**

Agency cd:	USGS	Site no:	361453114591601
Site name:	212 S19 E62 36DDA 2	USAF NAFB-MW-2	
Latitude:	361453		
Longitude:	1145916	Dec lat:	36.24802714
Dec lon:	-114.98861117	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	32
State:	32	County:	003
Country:	US	Land net:	NESESES36 T19S R62E M
Location map:	FRENCHMAN MTN, NV	Map scale:	24000
Altitude:	1911.		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Las Vegas Wash. Nevada. Area = 1860 sq.mi.		
Topographic:	Alluvial fan		
Site type:	Ground-water other than Spring	Date construction:	19930118
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	Not Reported		
Well depth:	117.	Hole depth:	117.
Source of depth data:	reporting agency (generally USGS)		
Project number:	NV-17800		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1993-01-21	Ground water data end date:	1993-01-21
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		

1993-01-21 95.4

**A2**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS3088670**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	361455114591801
Site name:	212 S19 E62 36DDA 1	USAF NAFB-MW-1	
Latitude:	361455		
Longitude:	1145918	Dec lat:	36.24858267
Dec lon:	-114.98916677	Coor meth:	M
Coor accr:	U	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	32
State:	32	County:	003
Country:	US	Land net:	NESESES36 T19S R62E M
Location map:	FRENCHMAN MTN, NV	Map scale:	24000
Altitude:	1911.		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Las Vegas Wash. Nevada. Area = 1860 sq.mi.		
Topographic:	Alluvial fan		
Site type:	Ground-water other than Spring	Date construction:	19930112
Date inventoried:	Not Reported	Mean greenwich time offset:	PST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Unconfined single aquifer		
Aquifer:	Not Reported		
Well depth:	115.	Hole depth:	115.
Source of depth data:	reporting agency (generally USGS)		
Project number:	NV-17800		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1993-01-21	Ground water data end date:	1993-01-21
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1993-01-21	95.0	

3

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

**NV WELLS      NV2000000034554**

Sequence #:	38392	Well log:	60566
App:	Not Reported	Notice of :	0
Waiver no:	Not Reported	Date log r:	10/19/1981 00:00:00
Date log 1:	Not Reported	Site type:	N
Work type:	N		
Work type 2:	Not Reported		
Proposed use:	C	Drilling method:	C
Sc:	32003	Ha:	212
Town:	S19	Legal town:	19S
Range:	E62	Legal range:	62E

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Section:	36	Sec quarter:	AD
Legal quarter:	SE NE	Quarters section:	Not Reported
Ref:	MD	Latitude:	36.2560997009277
Longitude:	-114.98999786377	Lat long s:	NV003
Lat long acc:	T		
Owner current:	SUPERIOR SAND & GRAVEL		
Owner addr:	300 WYOMING AVE LAS VEGAS NV		
Owner no:	Not Reported		
Parcel no:	Not Reported	Subdivisio:	Not Reported
Lot no:	Not Reported	Block no:	Not Reported
Well finish:	06/06/1952 00:00:00	Date cmplt:	D
Gravel pack:	Y	Depth seal:	0
Depth drilled:	400	Depth bedrock:	0
Aquifer depth:	Not Reported	Depth case:	200
Casing diameter:	10		
Casing reduc:	1	Top perf:	0
Bottom perf:	0	Perf interval:	0
Static wl:	143		
Temperature:	0		
Yield:	0		
Drawdown:	0		
Hours pump:	0		
Test method:	Not Reported	Qual constr:	G
Qual lith :	G		
Remarks:	Not Reported		
Remarks ad:	Not Reported		
Contractor:	Not Reported	Contract 1:	BERT HAIRGROVE
Contract 2:	910 E COLLEGE LAS VEGAS NV		
Contract 3:	0		
Driller li:	63	Source age:	NV003
User id:	KCOON	Date entry:	01/30/1997 00:00:00
Update use:	Not Reported	Date updat:	03/08/2004 00:00:00
Edit statu:	F	Well start:	05/19/1952 00:00:00
Gravel p 1:	0	Gravel p 2:	0
Utm x:	680559.551209		
Utm y:	4014027.54952		

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

### **AREA RADON INFORMATION**

Federal EPA Radon Zone for CLARK County: 3

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level  $\geq$  2 pCi/L and  $\leq$  4 pCi/L.

: Zone 3 indoor average level < 2 pCi/L.

---

Federal Area Radon Information for CLARK COUNTY, NV

Number of sites tested: 176

<u>Area</u>	<u>Average Activity</u>	<u>% &lt;4 pCi/L</u>	<u>% 4-20 pCi/L</u>	<u>% &gt;20 pCi/L</u>
Living Area - 1st Floor	1.028 pCi/L	96%	4%	0%
Living Area - 2nd Floor	0.900 pCi/L	100%	0%	0%
Basement	1.425 pCi/L	100%	0%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

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

Source: United States Geologic Survey

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

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

Source: United States Geologic Survey

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

## HYDROLOGIC INFORMATION

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

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

## HYDROGEOLOGIC INFORMATION

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

Source: EDR proprietary database of groundwater flow information

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

## GEOLOGIC INFORMATION

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

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

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

Source: Department of Agriculture, Natural Resources Conservation Services

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

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

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

Telephone: 800-672-5559

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



# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

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

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

### STATE RECORDS

#### **Nevada Well Log Database**

Source: Nevada Division of Water Resources

Telephone: 775-687-4380

## OTHER STATE DATABASE INFORMATION

### RADON

#### **Area Radon Information**

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey.

The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### **EPA Radon Zones**

Source: EPA

Telephone: 703-356-4020

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

### OTHER

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

Source: Federal Aviation Administration, 800-457-6656

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

Source: Department of Commerce, National Oceanic and Atmospheric Administration

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STREET AND ADDRESS INFORMATION

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***APPENDIX B***  
***Figures***





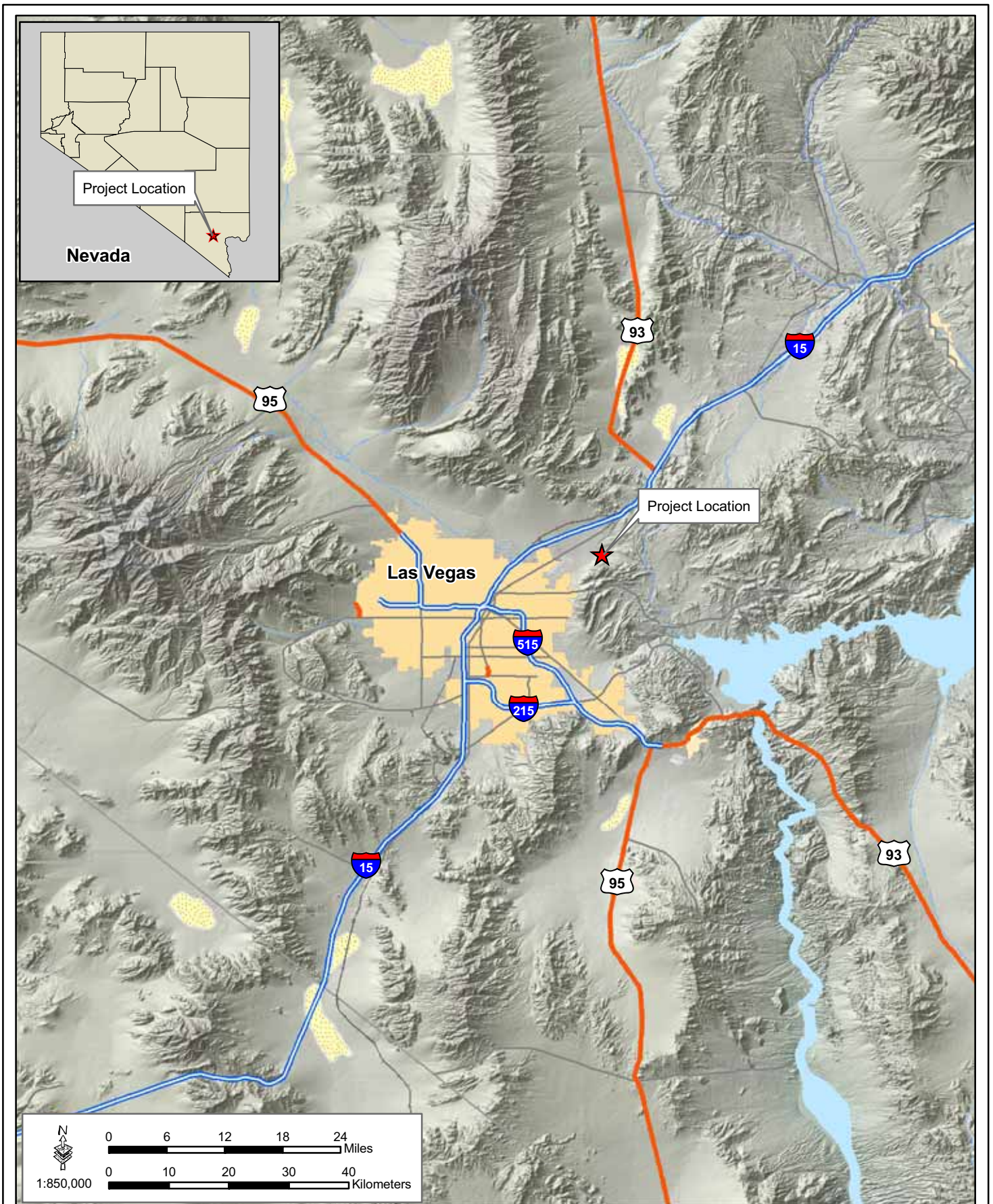


Figure 1: Vicinity Map

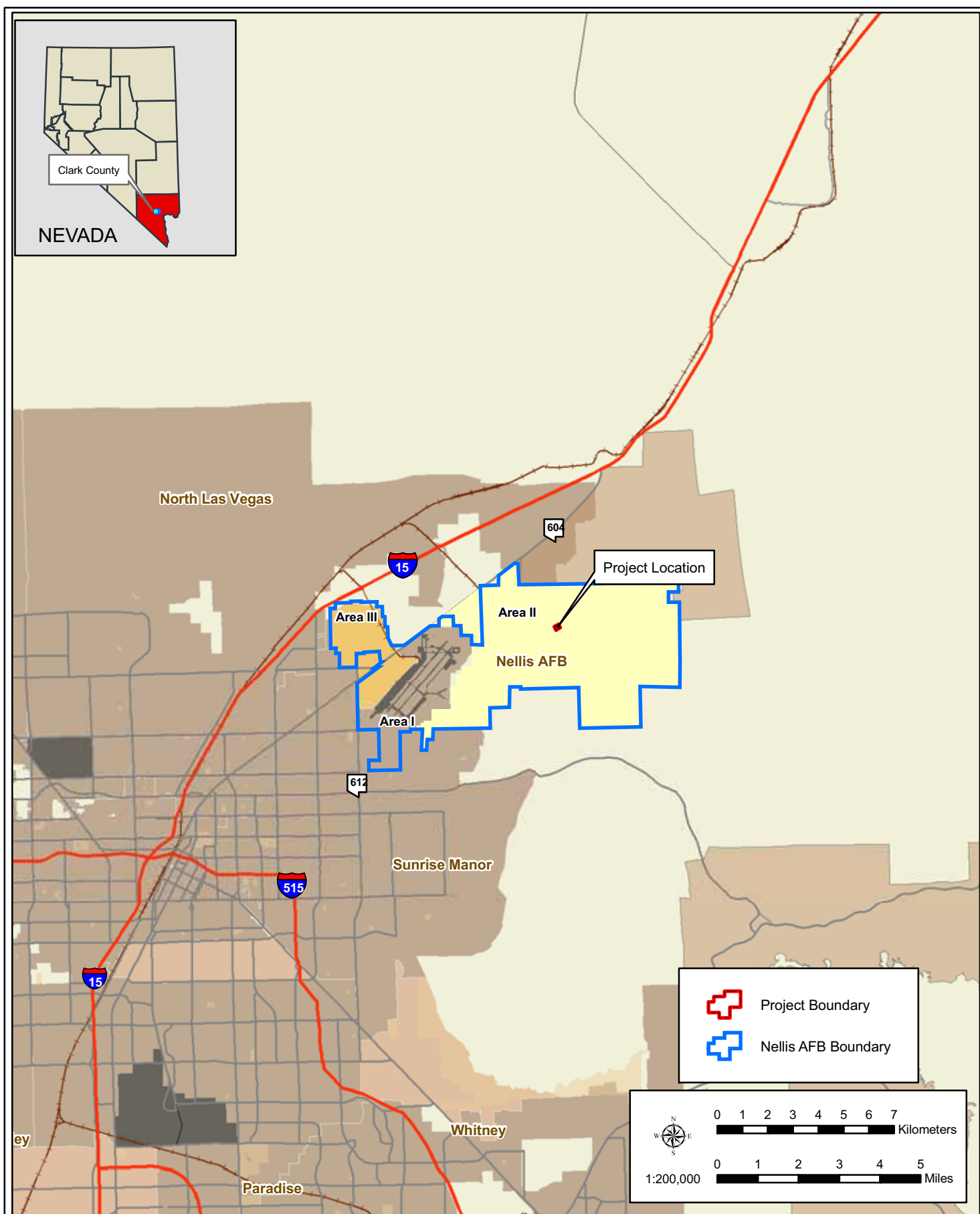


Figure 2: Project Area Map



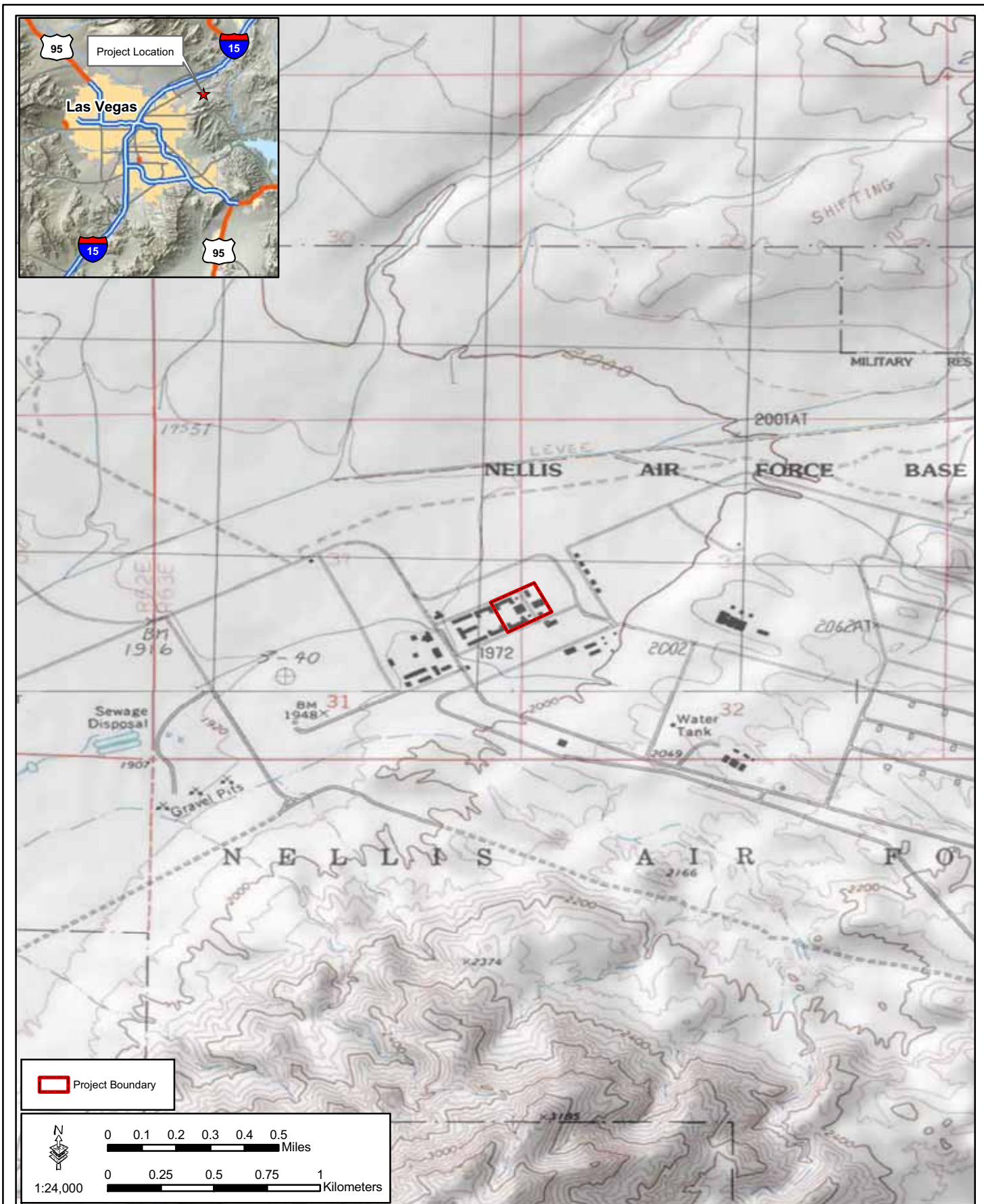
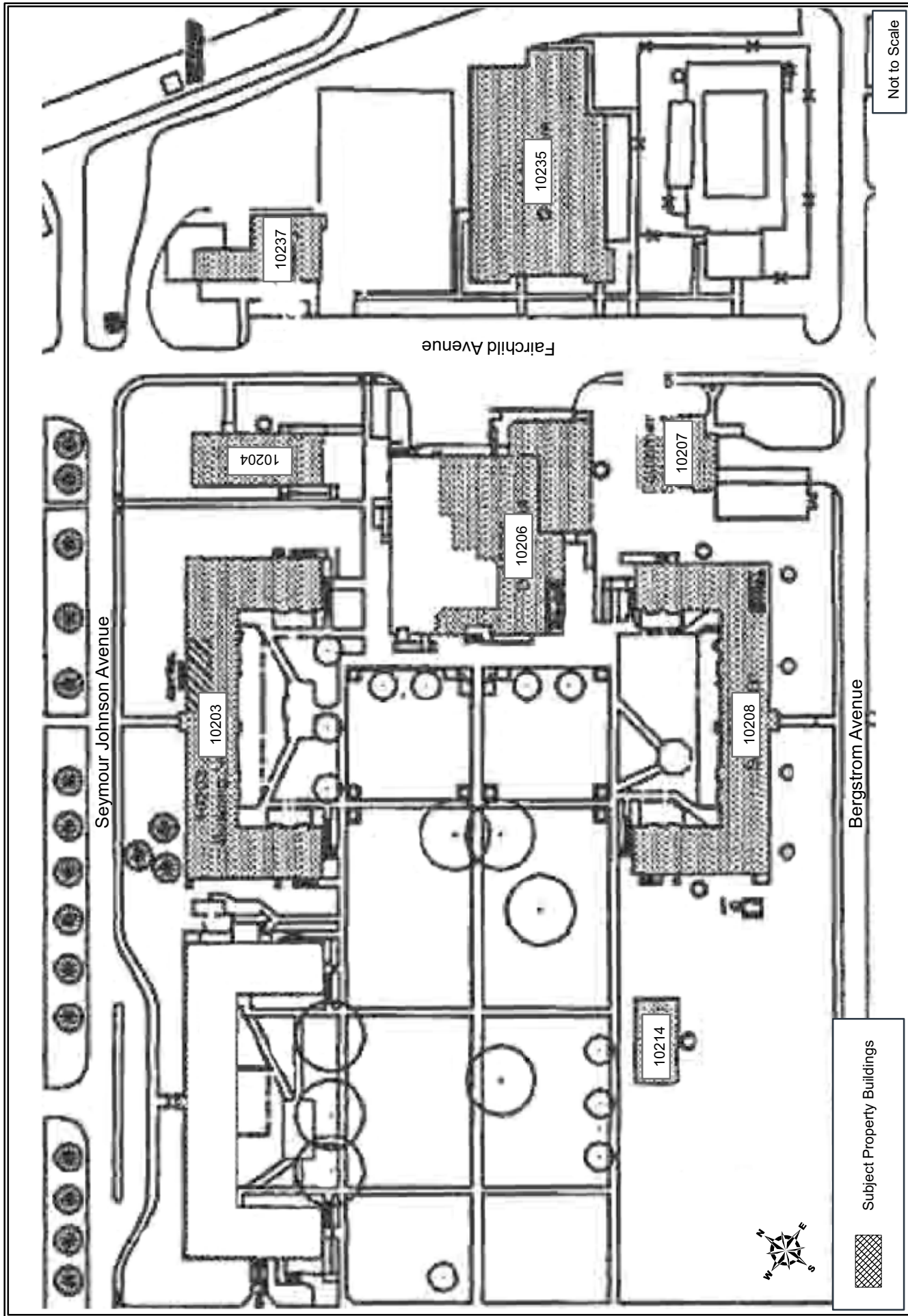


Figure 3: Project Location Map





Not to Scale



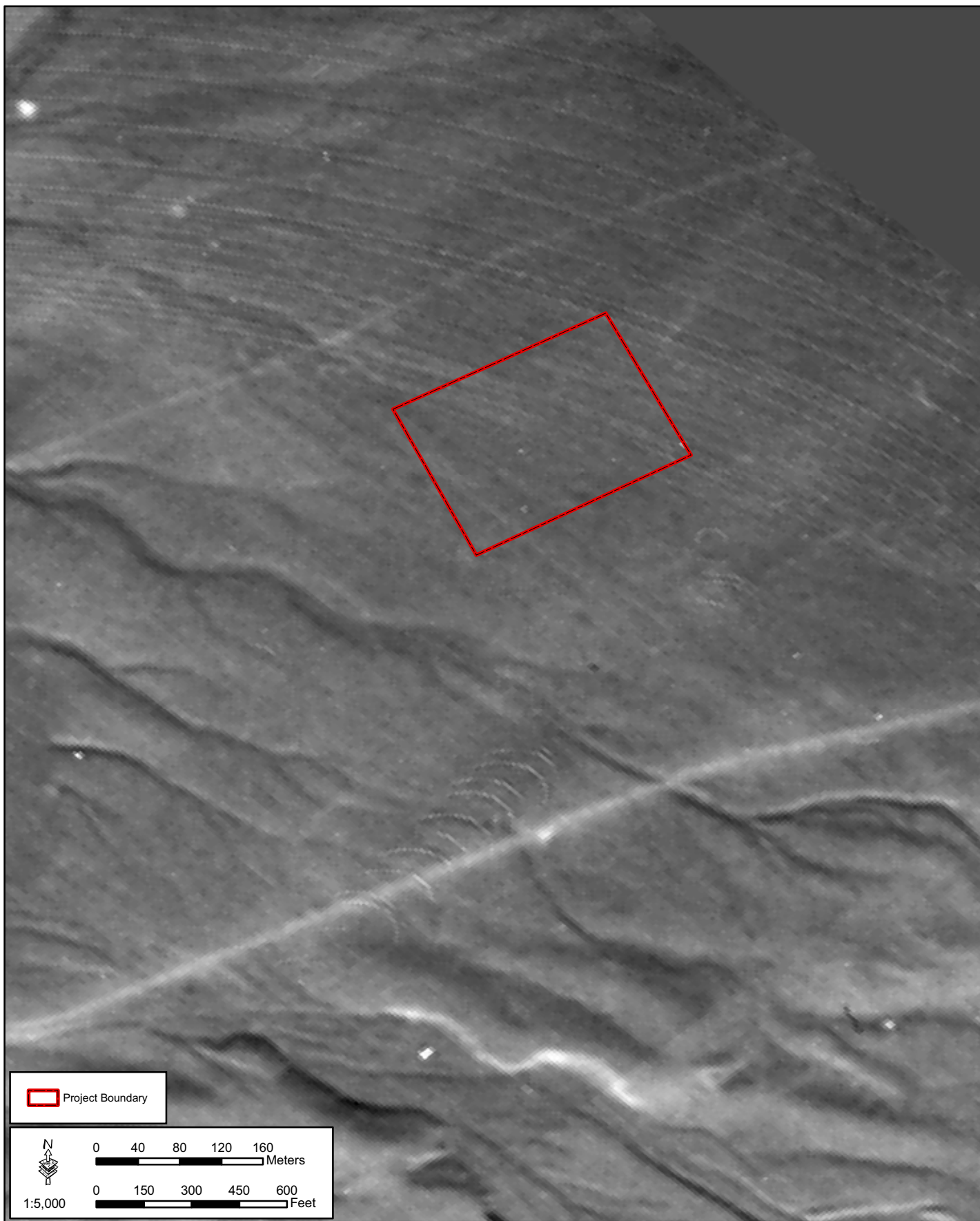
October 2007

Figure 4: National Guard Bureau Buildings Site Plan

**APPENDIX C**  
*Topographic Quadrangles/Aerial Maps and Site Photos*





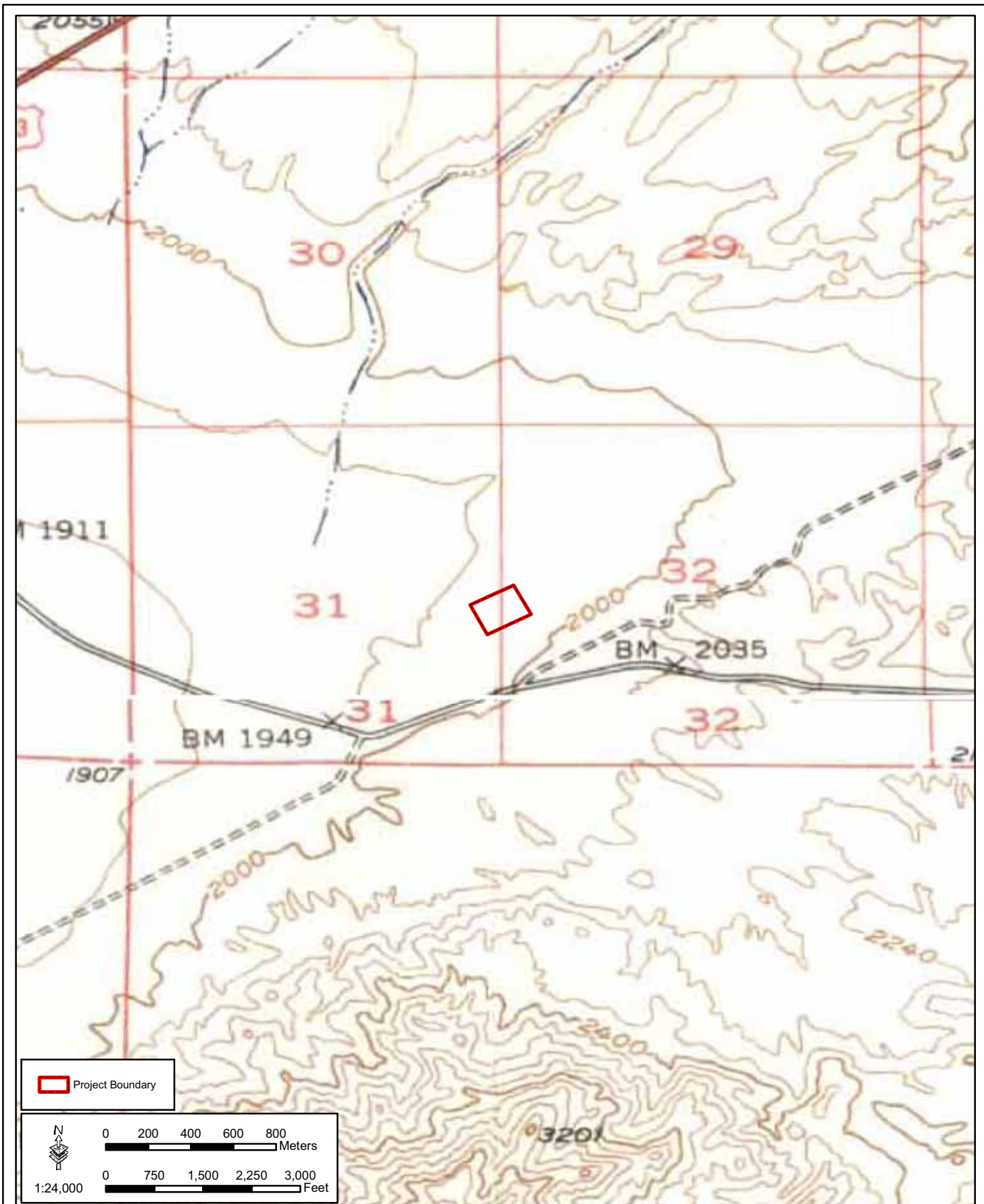


1951 Aerial Photography



August 2007







1958 Aerial Photography



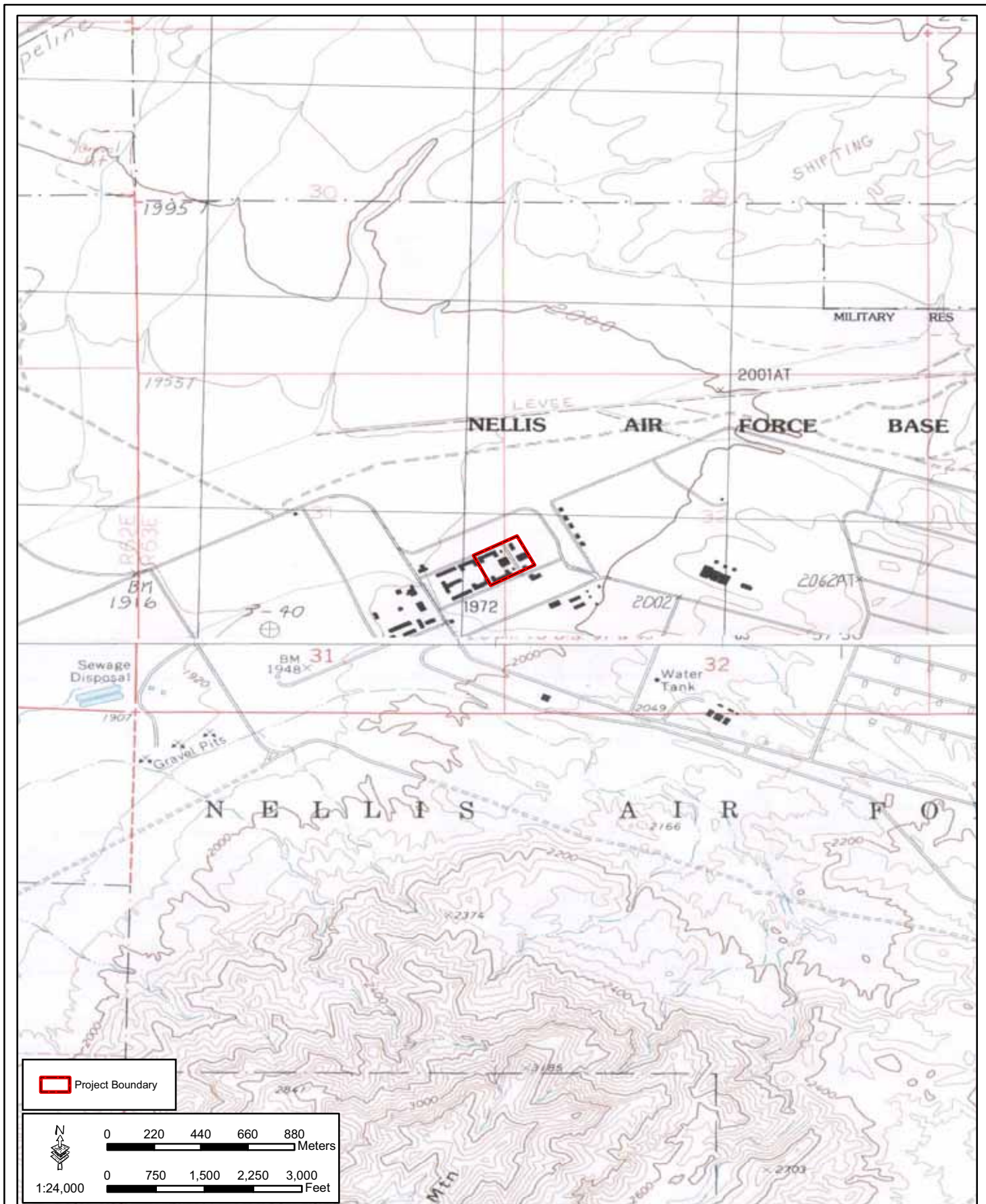


1969 Aerial Photography



1980 Aerial Photography



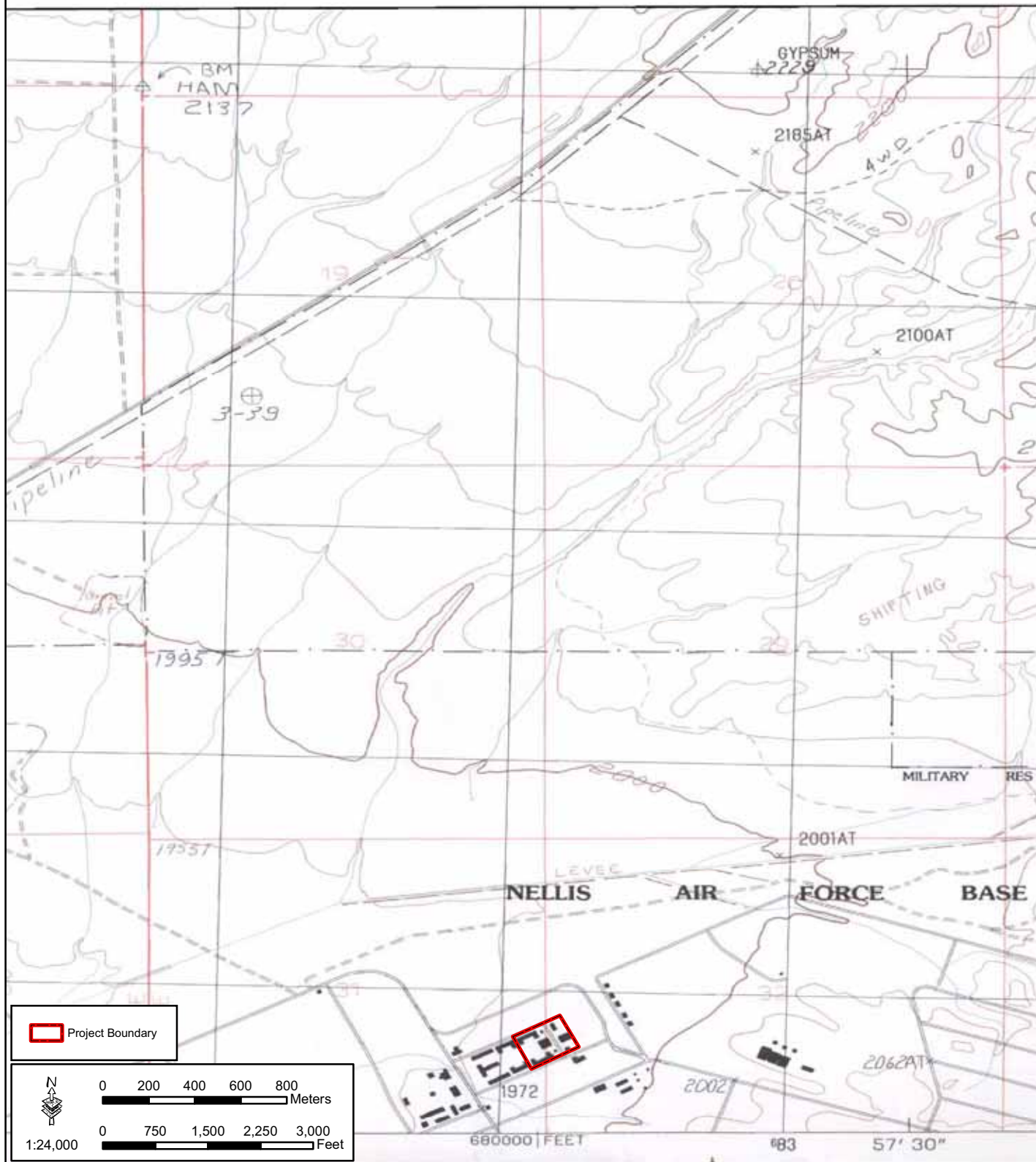






1984 Aerial Photography

## Historical Topographic Map



1986 Apex USGS Quadrangle





1990 Aerial Photography





2004 Aerial Photography





2005 Aerial Photography





2006 Aerial Photography



August 2007





Site Photograph Locations





## SITE PHOTOGRAPHS



Photograph 1. Building 10236, Gymnasium, view to the east



Photograph 2. View to the east of adjacent property to Building 10236



Photograph 3. Building 10236, pipe on south side of building



Photograph 4. Buckled gymnasium floor due to water intrusion



Photograph 5. Building 10237, Commissary, view to the northeast



Photograph 6. Building 10237, floor drain





Photograph 7. Radon sampling tag in Building 10237



Photograph 8. Building 10206, Dining Hall, view to the east



Photograph 9. Building 10206, drums of cooking grease behind building



Photograph 10. Building 10206, cooking grease stain in outside stairwell



Photograph 11. Building 10206, dumpsters behind building



Photograph 12. Building 10206, drain cleanout behind building





Photograph 13. Building 10206, grease traps and oil/water separators outside



Photograph 14. Building 10206, wall damage and mold in basement





Photograph 15. Building 10206, drums of cleaning chemicals in basement



Photograph 16. Building 10206, heating unit and water heaters in basement



Photograph 17. Building 10206, drum with water softener contents in basement



Photograph 18. Building 10206, mold and water damage in basement



Photograph 19. Building 10206, water leak and ceiling damage in basement



Photograph 20. Building 10206, water leak in basement





Photograph 21. Building 10206, water leak and possible ACM in basement



Photograph 22. Building 10206, water damage and mold in basement



Photograph 23. Building 10206, water damage on floor in basement



Photograph 24. Building 10206, water damage in basement



Photograph 25. Building 10206, water damage and mold in basement



Photograph 26. Building 10206, unused dining hall on first floor





Photograph 27. Building 10207, transformers behind building



Photograph 28. Building 10208, transformer west of building



Photograph 29. Underground access near Building 10208



Photograph 30. Building 10208, Dormitory, view to the north





Photograph 31. Building 10208, view of adjacent property to the south



Photograph 32. Conex containers southwest of Building 10208



Photograph 33. Building 10208, transformer behind building



Photograph 34. Oil stain adjacent to Building 10208





Photograph 35. Building 10214, Offices, view to the south



Photograph 36. Building 10203, Dormitory, view to the north



Photograph 37. Building 10208, view to the south



Photograph 38. Building 10204, Theater, view to the north



***APPENDIX D***  
***References***





## REFERENCES

- Air Force Instruction (AFI) 32-7066. 1994. Environmental Baseline Surveys in Real Estate Transactions, 25 April 1994.
- American Society for Testing and Materials (ASTM). 2005. E1527-05. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. December 2005.
- Clark County Health District (CCHD). 1992. Letter of Site Approval and NFRA for UST Removal at Building 10236. 21 December 1992.
- CCHD. 1995. Letter of Site Approval and NFRA for UST Removal at Building 10237. 21 July 1995.
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*APPENDIX E*  
*Interviews*







## Phone Log/Contact Report

Project No.:	80302006s	Date:	9-22-07	Time:	1:30 pm
Project Name:	Nellis AFB EBS NGB Youth Camp				
Employee:	Steve Oivanki	Person Contacted:	TSgt. Norman Harp		
Organization:	Nellis AFB	Telephone No.:	702-652-9630		
Reason for Call/Topics Discussed:	Base Fire department responses near subject property				
Copies to:	file				

### Comments:

TSgt. Norman Harp, 99 CES/CEF, NCOIC Fire Department Communications Center, was interviewed at his office regarding past fire department responses in the vicinity of the subject property. He researched the digital response database, and found no recorded responses by his department in the past near the old prison complex.

Decisions/ Agreements Reached:

Action Items:



## Phone Log/Contact Report

Project No.:	80302006s	Date:	9-21-07	Time:	10:00 am
Project Name:	Nellis AFB EBS				
	NGB Youth Camp				
Employee:	Steve Oivanki	Person Contacted:	D. J. Haarklau		
Organization:	Nellis AFB	Telephone No.:	702-652-6115		
Reason for Call/Topics Discussed:	Petroleum spills and UST sites on the base				
Copies to:	file				

### Comments:

Mr. D. J. Haarklau, UST/AST/POL Manager for Nellis AFB, was contacted in his office regarding former and current petroleum spills on the base. He stated that there were several USTs at the prison site that were removed with no further action required. He provided copies of the closure and cleanup reports for those sites. He did not know of any other spills in the area of the subject property.

Decisions/ Agreements Reached:

Action Items:



## Phone Log/Contact Report

Project No.:	80302006s	Date:	9-22-07	Time:	2:30 pm
Project Name:	Nellis AFB EBS NGB Youth Camp				
Employee:	Steve Oivanki	Person Contacted:	MSgt. Charles Waiters		
Organization:	Nellis AFB	Telephone No.:	702-652-1409		
Reason for Call/Topics Discussed:	Ordnance issues for the subject property				
Copies to:	file				

### Comments:

MSgt. Charles Waiters, Superintendent of the EOD Flight for Nellis AFB, was interviewed at his office regarding any ordnance disposal issues near the subject property. He said that he has been with the EOD flight for 11 years, and his files indicate that there have never been any ordnance disposal sites near the old prison complex. He said that the base ordnance storage area is located just south of the subject property, and that large amounts of ordnance are stored there. Ordnance transportation takes place along Bergstrom Avenue on a regular basis, but no incidents have been reported.

Decisions/ Agreements Reached:

Action Items:





## Phone Log/Contact Report

Project No.:	80302006s	Date:	9-20-07	Time:	9:30 am
Project Name:	Nellis AFB EBS				
	NGB Youth Camp				
Employee:	Steve Oivanki	Person Contacted:	John Roe		
Organization:	Nellis AFB	Telephone No.:			
Reason for Call/Topics Discussed:	Wastewater management fro subject property				
Copies to:	file				

### Comments:

Mr. John Roe, wastewater manager for Nellis AFB, was contacted in his office regarding wastewater collection and treatment for the former prison site at Nellis AFB. He stated that the buildings are now on the base collection system, and all wastewater is treated. The site was formerly on a septic system, and the leach field was located west of the compound under what is now a paved parking lot. Construction is now underway to replace and repair sewer collection lines all around the prison complex. The oil/water separators and grease traps located next to the dining hall are no longer used.

Decisions/ Agreements Reached:

Action Items:



## Phone Log/Contact Report

Project No.:	80302006s	Date:	9-21-07	Time:	1:00 pm
Project Name:	Nellis AFB EBS NGB Youth Camp				
Employee:	Steve Oivanki	Person Contacted:	Mark Porterfield		
Organization:	Nellis AFB	Telephone No.:	702-652-3159		
Reason for Call/Topics Discussed:	Hazardous waste sites near the subject property				
Copies to:	file				

### Comments:

Mr. Mark Porterfield, Hazardous Waste Program Manager for Nellis AFB, was interviewed at his office regarding current or former hazardous waste incidents near the subject property. He stated that he had no knowledge of any hazardous waste generated or stored anywhere near the prison complex. He said that the unmarked drum in the dining hall basement was rock salt used for water softening in the dish washing process.

### Decisions/ Agreements Reached:

### Action Items:



## Phone Log/Contact Report

Project No.:	80302006s	Date:	9-21-07	Time:	11:30 am
Project Name:	Nellis AFB EBS NGB Youth Camp				
Employee:	Steve Oivanki	Person Contacted:	Paul Kotanchik		
Organization:	Nellis AFB	Telephone No.:	702-652-6410		
Reason for Call/Topics Discussed:	Asbestos and lead paint issues for the subject property				
Copies to:	file				

### Comments:

Mr. Paul Kotanchik, Asbestos and Lead-based Paint Manager for Nellis AFB, was contacted at his office regarding the presence of ACM and lead paint on the subject property. He stated that past surveys were done on the prison buildings, and provided copies of the survey results. Asbestos and lead paint were found prior to the Federal Prison Bureau occupation, and most of the locations were mitigated. Some asbestos and lead paint remains, but he did not believe exposure conditions were critical.

Decisions/ Agreements Reached:

Action Items:

***APPENDIX F***  
***Legal Description of Area II, Nellis AFB***





LAKE MEAD BASE

DESCRIPTION COVERING THOSE AREAS COMPRISING LAKE MEAD BASE  
OVER WHICH FEDERAL JURISDICTION HAS BEEN ACCEPTED

All that real property consisting of an aggregate of 7125.93 acres, more or less, situated in the County of Clark, State of Nevada, being a portion of Township 19 South, Ranges 62 and 63 East and Township 20 South, Ranges 62 and 63 East, Mount Diablo Base and Meridian and being more particularly described as follows, basis of bearings being Transverse Mercator Grid, East Zone, Nevada.

PARCEL ONE

Beginning at the Section Corner common to Sections 34 and 35, Township 19 South, Range 63 East, and common to Sections 2 and 3, Township 20 South, Range 63 East, thence

1. Southerly along the Section line common to Sections 2 and 3, Township 20 South, Range 63 East, to the East Quarter corner of said Section 3; thence
2. Westerly along the Southerly line of the Northeast Quarter of said Section 3 to the center of said Section 3; thence
3. Southerly along the Easterly line of the Southwest quarter of said Section 3 to the South Quarter corner of said Section 3; thence
4. Westerly along the southerly line of Section 3 to the Section corner common to Sections 3, 4, 9 and 10 of Township 20 South, Range 63 East; thence
5. Southerly along the line common to Sections 9 and 10, Township 20 South, Range 63 East, to the Southeast corner of said Section 9; thence
6. Westerly along the Southerly line of Sections 9 and 8, Township 20 South, Range 63 East, to the South Quarter corner of said Section 8.
7. Northerly along the North/South centerline of said Section 8 to the North quarter corner of said Section 8; thence
8. Westerly along the Northerly line of Sections 8 and 7; Township 20 South Range 63 East, to the Northwest corner of said Section 7; thence
9. Northerly along the line common to Range 62 and Range 63 East said line being also the Westerly line of Section 6, Township 20 South, Range 63 East, to the West quarter corner of said Section 6, thence
10. Westerly along the Southerly line of the Northeast quarter of Section 1, Township 20 South, Range 62 East, to the center of said Section 1, thence
11. Northerly along the North/South centerline of said Section 1 and the North/South centerline of Section 36, Township 19 South, Range 62 East to the North Quarter corner of said Section 36, thence
12. Easterly along the Northerly line of said Section 36 and the Southerly line of Section 30, Township 19 South, Range 63 East to the Southeast corner of the Southwest quarter of said section 30, thence
13. Northerly along the North/South centerline of said Section 30 to the center of said Section, thence
14. Easterly along the East/West centerlines of Sections 30, 29 and 28, Township 19 South, Range 63 East, to the East Quarter corner of said Section 28; thence

15. Southerly along the Easterly line of said Section 28 to the Southeast corner of said Section 28; thence

16. Easterly along the Southerly line of Section 27, Township 19 South, Range 63 East, to the South Quarter corner of said Section 27, thence

17. Southerly along the Westerly line of the Northeast quarter of Section 34, Township 19 South, Range 63 East, to the center of said Section 34, thence

18. Easterly along the Southerly line of the Northeast quarter of said Section 34 to the East Quarter corner of said Section 34; thence

19. Southerly along the Easterly line of said Section 34 to the Southeast corner of said Section 34 and the true point of beginning.

Said Parcel One contains, 6,954.53 acres, more or less.

PARCEL TWO

Beginning at the Section corner common to Sections 35 and 36, Township 19 South, Range 62 East, and Sections 1 and 2, Township 20 South, Range 62 East; thence from said point of beginning;

1. Southerly along the Easterly line of said Section 2 to the Southeast corner of the Northeast quarter of the Northeast Quarter of said Section 2, said corner being further identified as being the Southeast corner of Lot 1 of said Section 2; thence

2. Westerly along the Southerly line of the Northeast Quarter of the Northeast Quarter of said Section 2, being also the Southerly line of Lot 1 of said Section 2, to the Southwest corner of the Northeast Quarter of the Northeast Quarter of said Section 2, being also the Southwest corner of said Lot 1 of said Section 2; thence

3. Southerly along the Easterly line of the Southwest Quarter of the Northeast Quarter of said Section 2 to the Southeast corner of Said Southwest Quarter of the Northeast Quarter of said Section 2, thence

4. Westerly along the Southerly line of the Southwest Quarter of the Northeast Quarter and the Southerly line of the Southeast Quarter of the Northwest Quarter of said Section 2 to the Southwest corner of the Southeast Quarter of the Northwest Quarter of said Section 2; thence

5. Northerly along the Westerly line of the Southeast Quarter of the Northwest Quarter of said Section 2 to the Northwest corner of said Southeast Quarter of the Northwest Quarter of said Section 2; thence

6. Easterly along the Northerly line of the Southeast Quarter of the Northwest Quarter of said Section 2 to the Northeast corner of the Southeast Quarter of the Northwest Quarter of said Section 2; thence

7. South  $89^{\circ} 06' 48''$  East 1006.76 feet along the South line of Lot 2 of Section 2, Township 20 South, Range 62 East; thence

8. Northerly across said Lot 2 of said Section 2 to a point on the North line of said Lot 2 that bears South  $88^{\circ} 47' 02''$  East along said Northerly line a distance of 1007.23 feet from the South Quarter corner of Section 35, Township 19 South, Range 62 East, said South Quarter corner being further identified as being also the Northwest corner of said Lot 2 of Section 2, Township 20 South, Range 62 East; thence

9. North  $88^{\circ} 47' 02''$  West 1007.23 feet to the Southwest corner of the Southwest Quarter of the Southeast Quarter of said Section 35; thence

10. Northerly along the Westerly line of said Southwest Quarter of the Southeast Quarter of said Section 35 to the Northwest corner of the Said Southwest Quarter of the Southeast Quarter of said Section 35; thence

11. Easterly along the Northerly line of the said Southwest Quarter of the Southeast Quarter of said Section 35 to the Northeast corner of the said Southwest Quarter of the Southeast Quarter of said Section 35; thence

12. Southerly along the Easterly line of the said Southwest Quarter of the Southeast Quarter of said Section 35 to the Southeast corner of the said Southwest Quarter of the Southeast Quarter of said Section 35; thence

13. Easterly along the line common to Townships 19 and 20 South, Range 62 East, to the southeast corner of Section 35, Township 19 South, Range 62 East, and the true point of beginning.

Said Parcel Two contains 171.40 acres, more or less.

I, JOSEPH O. MAUBORGNE, JR., a Cartographic Aide, employed in the San Francisco District Office of the Corps of Engineers, U. S. Army, do hereby certify that this perimeter description and Drawing No. FJ-110, Sheet 1 of 1, to which it refers, were prepared and compiled in the Office of the District Engineer, San Francisco District, San Francisco, California, on September 12, 1957 from the Historical Records of the San Francisco Office and represents the true perimeter description of the area over which Federal Jurisdiction has been accepted.

/s/JOSEPH O. MAUBORGNE, JR.  
JOSEPH O. MAUBORGNE, JR.

Date: Dec 30, 1957





***APPENDIX G***  
***Terms and Abbreviations***





## ACRONYMS AND ABBREVIATIONS

ACM	Asbestos containing material
AFB	Air Force Base
AFI	Air Force Instruction
AFPD	Air Force Policy Directive
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
bgs	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, and xylene
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CCHD	Clark County Health District
DOD	Department of Defense
DRMO	Defense Reutilization and Marketing Office
EBS	Environmental Baseline Survey
ECHO	Enforcement and Compliance History Online
EDR	Environmental Data Resources, Inc.
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-to-Know Act
ERNS	Emergency Response Notification System
ERP	Environmental Restoration Program
°F	Degrees Farenheit
FIFRA	Federal Insecticide, Fungicide, and Rodenticide Act
FINDS	Facility Index System
FTTS	FIFRA/TSCA Tracking System
GSRC	Gulf South Research Corporation
HVOC	Halogenated Volatile Organic Compound
ICIS	Integrated Compliance Information System
lbs	Pounds
LF	Landfill
LUST	Leaking Underground Storage Tank
MCL	Maximum Contaminant Level
MG	Million Gallons
MTBE	Methyl tertiary-butyl ether
NDEP	Nevada Division of Environmental Protection
NFRAP	No Further Restoration Action Planned
NPL	National Priorities List
PADS	PCB Activity Database
PCBs	Polychlorinated Biphenyls
ppb	parts per billion
ppm	parts per million
RCRA	Resource Conservation and Recovery Act
RPM	Restoration Program Manager
SHWS	Solid and Hazardous Waste Sites
SWF/LF	Solid Waste Facility/Landfill
TSCA	Toxic Substances Control Act
U.S.	United States
UST	Underground Storage Tank
VOC	Volatile Organic Compound
yd <sup>3</sup>	Cubic Yard



***APPENDIX H***  
***Qualifications***





**STEPHEN M. OIVANKI, P.G.**  
**Qualified Environmental Professional (ASTM E1527-05)**  
**Statement of Qualifications**

**Education:** B.S. – Geology – Louisiana State University  
M.S. – Geology – Louisiana State University

**Training:** HAZWOPER – 40-hour hazardous waste responder, current refresher  
USACE 1997 Wetland Delineation Manual – 40-hour course  
Mold Assessment and Remediation in Buildings – Training Course

**Registrations:** Registered Professional Geologist #412 – State of Mississippi

**Experience: Self-employed Consulting Geologist – 10 years**  
Oil and gas exploration, subsurface site investigations, mining exploration, engineering geology

**Mississippi Department of Environmental Quality – 7 years**  
Subsurface geology, subsurface site investigations, coastal geology and geomorphology

**Mississippi Department of Marine Resources – 3 years**  
Coastal Zone Manager, supervision of environmental staff, oversight and review of Coastal Zone permits and environmental regulations

**Compton Engineering, Inc. – 5.5 years**  
Phase I Environmental Site Assessments – 40  
Phase II Environmental Site Assessments – 12  
Emergency Response Action Contractor – Miss. LUST Trust Fund  
LUST investigations and remediation – 5  
Contaminated site investigations and remediation – 7  
Wetland delineations – 50  
Mold assessments and remediation supervision – 10  
Spill Prevention Control and Countermeasure (SPCC) plans – 12  
Rubbish and Subtitle D Landfill permits – 5  
Storm Water Pollution Prevention Plans - 20

**Gulf South Research Corporation – 1 year**  
Phase I Environmental Site Assessments – 31  
NEPA Environmental Assessments - 4



