

8105 Black Hawk Rd • PO Box 558 • Black Hawk, SD 57718-0558 • Phone (605) 787-9303 • FAX (605) 787-9515
140 Pine Needle Drive • Spearfish, SD 57783 • Phone (605) 642-2742 • Mobile 390-3768

BH DEVELOPMENT, LLC
1101 West Eagle Ridge Circle
Sioux Falls, South Dakota 57108

October 27, 2009

Attn: Greg and Jennifer Kaschmitter

ATS NO. 09-9340-1

RE: TRANSMITTAL OF PHASE I ENVIRONMENTAL SITE ASSESSMENT OF THE EXPANDED WILDERNESS ESTATES PROPERTY - PARCEL 1- PRELIMINARILY DESCRIBED AS: PRELIMINARY PLAT FOR PARCEL 1 TO INCLUDE BRIDGEPORT 1142, CAN 1142, WEST VIRGINIA 1142, STEAD 1142, STEAD 1142 1-4, MCLEOD 1142, MCLEOD 1142 1-2, MONMOUTH NO. 4 1142, ELSIE 1142, DECEMBER 1142, LONE STAR 1215, POORMAN 1142, LEONA LOCK 1215, HIGH 1142, LOW 1142, MONMOUTH 5-1142, MONMOUTH 6-1142, LEDGER 1215, DEPOSIT 1215, 8 ½ U FRAC 1215, WILD FAWN 1188, CLIENT 1142, GOPHER NO 1-3 1215, XERXES 1151, SOPHIE 1151, ONNAEUS 1151, BOONE 1151, SOUND MONEY 1151, BEAVER 1151, OVERDRAFT 1131, SIOUX 1155, OLD BILL 1151, ARGENTA 1151, CLEOPATRA 1151, MIDNIGHT 1131, SYRACUSE 1151, ASSING WAY 1151, COOK 1151, COLTS 1151, BEAVER 1151, BRANDYWINE 1131, GEORGEANNA 1151, EDSON 1169, EDSON NO 2-3 1169, POLER BEAR 1169, GOLD 1136 AND TWO ADDITIONAL LOTS; LAWRENCE COUNTY, SOUTH DAKOTA.

American Technical Services, Inc. (ATS) is pleased to submit this report of Phase I Environmental Site Assessment as requested by Greg and Jennifer Kaschmitter of BH Development, LLC, of Sioux Falls, South Dakota. The work was done in accordance with our proposal dated October 7, 2009.

If you have any questions regarding the information presented in this report or if we can be of additional service, please contact our office at (605) 787-9303.

Respectfully Submitted,
AMERICAN TECHNICAL SERVICES, INC.

Dave G. Bressler, P.E.
Director of Engineering

Copies to: Addressee (4)

1.0 EXECUTIVE SUMMARY

Findings and Conclusions

Based on the review of available records and on-site reconnaissance, ATS draws the following:

- o There is not an NPL site or proposed NPL site within one mile of the site. There are no CORRACTS, US ENG CONTROLS, US INST CONTROLS, and ROD sites located within one mile of the site.
- o There are no Resource Conservation and Recovery Act (RCRA) regulated facilities on the property. There are no RCRA-LQG (Large Quantity Generator) sites, RCRA-SQG (Small Quantity Generator) sites, or RCRA-CESQG (Conditionally Exempt Small Quantity Generator) sites within a one-quarter mile search distance of the site.
- o There are no federal CERCLIS sites within one half mile of the site.
- o The site is not a federal ERNS site.
- o The State of South Dakota Department of Environment and Natural Resources (DENR) is not currently investigating the site or adjoining property.
- o There are no listed Leaking Underground Storage Tanks (LUST) within one half mile of the site.
- o There are no Underground Storage Tanks (UST) on the subject property. There are no Underground Storage Tanks (UST) within one-quarter mile of the site.
- o There are no Leaking Above Ground Storage Tanks (LAST) listed within one half mile of the subject property. There are no Above Ground Storage Tanks (AST) on the subject property or within one half mile of the subject property.
- o There are no tribal LUSTs, USTs, Voluntary Cleanup Sites (VCS), operating or closed solid waste sanitary landfills within one half mile of the site.
- o There are no brownfields or operating or closed solid waste sanitary landfills within one half mile of the site.
- o The site is not located inside the 100 year flood zone. The site is located in the 500 year flood zone.
- o There are no coal gas sites within one mile of the site.

- o Some surficial littering and scattered items such as an old partially buried washer & dryer, old tires, an abandoned car, and construction/demolition debris was observed at various locations on the target property, however, it is ATS's opinion that the littering is minor and the scattered dumped items are minimal and do not pose an adverse threat to the subject property.
- o Several signs were present indicating old mine shafts exist. Due to the presence of private property indicating trespassing was not acceptable, the old mine shafts were not explored. Based on our past assessments in this area, we know the mines shafts were used for gold mining on small claims. Based on our review and assessment of the observable areas of the site, it is our opinion that the mine shafts and past mining operations are small scale and pose minimal threat to the subject property.

Recommendations:

Based on the information obtained from site reconnaissance, interviews and public records, it appears the presence of recognized environmental conditions on the site due to past or present use, or from adjoining properties is low. ***Therefore, it is the opinion of American Technical Services that no further action is necessary at this time.***

2.0 INTRODUCTION

This report presents the results of a Phase I Environmental Site Assessment conducted for Greg and Jennifer Kaschmitter representing BH development, LLC, on the property which presently includes:

EXPANDED WILDERNESS ESTATES PROPERTY - PARCEL 1- PRELIMINARILY DESCRIBED AS: PRELIMINARY PLAT FOR PARCEL 1 TO INCLUDE BRIDGEPORT 1142, CAN 1142, WEST VIRGINIA 1142, STEAD 1142, STEAD 1142 1-4, MCLEOD 1142, MCLEOD 1142 1-2, MONMOUTH NO. 4 1142, ELSIE 1142, DECEMBER 1142, LONE STAR 1215, POORMAN 1142, LEONA LOCK 1215, HIGH 1142, LOW 1142, MONMOUTH 5-1142, MONMOUTH 6-1142, LEDGER 1215, DEPOSIT 1215, 8 ½ U FRAC 1215, WILD FAWN 1188, CLIENT 1142, GOPHER NO 1-3 1215, XERXES 1151, SOPHIE 1151, ONNAEUS 1151, BOONE 1151, SOUND MONEY 1151, BEAVER 1151, OVERDRAFT 1131, SIOUX 1155, OLD BILL 1151, ARGENTA 1151, CLEOPATRA 1151, MIDNIGHT 1131, SYRACUSE 1151, ASSING WAY 1151, COOK 1151, COLTS 1151, BEAVER 1151, BRANDYWINE 1131, GEORGEANNA 1151, EDSON 1169, EDSON NO 2-3 1169, POLER BEAR 1169, GOLD 1136 AND TWO ADDITIONAL LOTS; LAWRENCE COUNTY, SOUTH DAKOTA.

ATS was retained by BH Development to conduct the assessment. Authorization to proceed on the project was granted in response to ATS' Proposal No. 09-9340-1 dated October 7, 2009. This report of findings completes the agreed scope of services with respect to the aforementioned property. This document and the information contained herein has been prepared solely for the use of BH Development, LLC, or their assigned parties.

2.1 PURPOSE AND SCOPE OF SERVICES

The purpose of this Environmental Site Assessment was to assess the site and evaluate the potential for hazardous substance contamination from past or present use of the site. This assessment provides an information base for the client regarding the property and adjoining area. The report discusses:

- Potential environmental liability due to past and current activities on or adjoining the property.
- The presence of any hazardous materials on the property.
- Conclusions and recommendations for further actions in this report are subject to modification if subsequent information is developed by ATS or others.

The scope of services for this project included the following activities:

- Review of regulatory agency and historical records.
- On-site survey and assessment of current conditions.

- Interviews with those persons knowledgeable of the site.
- Evaluation and reporting of project findings with conclusions and recommendations.

2.2 LIMITATIONS AND EXCEPTIONS

The scope of our services for this project did not include collection or analyzing physical evidence for the presence or lack of contaminants. Analysis for the presence of asbestos, heavy metals, urea, formaldehyde, radon gas or other substances was not conducted. Additionally, an assessment of wetlands, mineral rights, industrial hygiene, health and safety issues, ecological resources, endangered species, indoor air quality, high voltage power lines, audits of operations and management practices were not included in the scope of work.

The information contained in this report was obtained by means of interviews, document research, on-site observations, and applicable sample retention. Conclusions are based on available information and are representative of present site conditions only. Situations or activities which occur subsequent to this report, and which may result, or may have resulted, in adverse environmental impacts to the site are not relevant to this study.

2.3 SPECIAL TERMS AND CONDITIONS

This assessment does not address the presence of the following conditions unless they were the express concerns of the user.

- Naturally occurring toxic or hazardous substances in the subsurface soils, geology and water.
- Toxicity of substances common in current habitable environments, such as stored household products, building materials, and consumables.
- Contaminants or contaminant concentrations that are not a concern now but may be under future regulatory standards.

It is impossible to predict events that may occur after the site reconnaissance, such as illegal disposal or accidental spillage. There is no evaluation thorough enough to exclude absolutely the presence of hazardous substances at any site. Therefore, if none are identified as part of a limited scope of work, such a conclusion should not be read as a guaranteed absence of such materials. It is merely the result of the evaluation.

2.4 USER RELIANCE

The intent of this study was to identify environmental problems that would be evident to an environmental professional and was not intended to represent an exhaustive research of all potential hazards which may exist. Furthermore, certain potential environmental hazards reported in this study may require more comprehensive analysis to fully assess their magnitude and financial impact.

The methods used in this evaluation were limited to: observations made during the on-site reconnaissance; interviews with knowledgeable persons; interviews with public agency and public utility company personnel; and reviews of readily available published and unpublished reports, and literature.

ATS assumes no responsibility for conditions that were not discovered, specifically evaluated or conditions that were not generally recognized as environmentally unacceptable at the time this report was prepared. The interpretations, conclusions and recommendations in this report represent our professional opinions. Our opinions were arrived at in general accordance with ASTM E 1527-05 and currently accepted engineering practice. No other warranty is implied or intended.

3.0 SITE DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

The site is currently being replatted, thus an approved legal description does not yet exist. For this assessment, and at the direction of BH Development, LLC, we are using preliminary platting information for the property as follows:

**EXPANDED WILDERNESS ESTATES PROPERTY - PARCEL 1 - LEGALLY DESCRIBED AS:
PRELIMINARY PLAT FOR PARCEL 1 TO INCLUDE BRIDGEPORT 1142, CAN 1142, WEST VIRGINIA 1142, STEAD 1142, STEAD 1142 1-4, MCLEOD 1142, MCLEOD 1142 1-2, MONMOUTH NO. 4 1142, ELSIE 1142, DECEMBER 1142, LONE STAR 1215, POORMAN 1142, LEONA LOCK 1215, HIGH 1142, LOW 1142, MONMOUTH 5-1142, MONMOUTH 6-1142, LEDGER 1215, DEPOSIT 1215, 8 ½ U FRAC 1215, WILD FAWN 1188, CLIENT 1142, GOPHER NO 1-3 1215, XERXES 1151, SOPHIE 1151, ONNAEUS 1151, BOONE 1151, SOUND MONEY 1151, BEAVER 1151, OVERDRAFT 1131, SIOUX 1155, OLD BILL 1151, ARGENTA 1151, CLEOPATRA 1151, MIDNIGHT 1131, SYRACUSE 1151, ASSING WAY 1151, COOK 1151, COLTS 1151, BEAVER 1151, BRANDYWINE 1131, GEORGEANNA 1151, EDSON 1169, EDSON NO 2-3 1169, POLER BEAR 1169, GOLD 1136 AND TWO ADDITIONAL LOTS; LAWRENCE COUNTY, SOUTH DAKOTA.**

3.2 SITE AND VICINITY CHARACTERISTICS

According to discussions with the Lawrence County Planning and Zoning, the site is primarily zoned Park Forest (large lot residential). The site is bound by federal land and Park Forest property to the north, and private property/Park Forest to the east and south. The site is bordered by US Highway 85 and Rochford Road (Forest Service Road 17) to the west.

The target property surface drainage varies across the site due to ridge and swale topography. Surface cover consists primarily of grass and young to mature trees. Some improved roadways and dirt trails exist across the site.

3.3 CURRENT LAND USE

The balance of the property is undeveloped. The developed areas generally consist of a former gravel pit, a relatively new Lawrence County Search and Rescue building, and some gravel and asphalt surfaced roads. Dirt trails are also present at various locations across the property.

3.4 DESCRIPTION OF STRUCTURES AND OTHER IMPROVEMENTS

The only observed structure consists of the aforementioned relatively new Lawrence County Search and Rescue building. Said building is timber framed and lies near the US Highway 85 and Rochford Road (Forest Service Road 17) intersection. Improvements include existing overhead power and telephone lines at various locations across the site. Again, gravel and asphalt surfaced roadways are also present.

3.5 PAST LAND USES

During our field reconnaissance, several signs stating mine shafts were present were observed. Based on our review of the preliminary plat, we know that the site consists of old small mining claims so small scale mining likely occurred in some areas. As mentioned earlier, a former gravel pit exists which was fenced and locked at the time of our reconnaissance. It appeared as though no recent gravel mining was being conducted.

3.6 CURRENT USES OF ADJOINING PROPERTIES

Adjacent property is primarily private property with some residential structures present.

4.0 RECORDS REVIEW

4.1 STANDARD ENVIRONMENTAL RECORD SOURCES

4.1.1 National Priority List/Corrective Action Report/Records of Decision

The National Priority List (NPL) is a list compiled by the EPA, pursuant to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), of sites of known releases, or threatened releases, of hazardous substances, pollutants or contaminants. An NPL site is one that has the highest priority for cleanup as determined by the EPA's Hazard Ranking System. The NPL is updated on an annual basis. There are no noted NPL sites within a one mile radius distance of the site based on the information received from Environmental Data Resources (EDR) on October 21, 2009.

A Corrective Action Report (CORRACTS) identifies hazardous waste handlers with RCRA corrective action activity. There are no noted CORRACTS sites within a one mile radius of the site based on the information received from EDR on October 21, 2009. A Records of Decision (ROD) documents mandate a permanent remedy at an NPL site containing technical and health information to aid in the cleanup. There are no noted ROD sites within a one mile search radius of the site based on the information received from EDR on October 21, 2009.

4.1.2 CERCLIS List

The Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) is a list of sites compiled by the EPA that are currently being investigated for the possible inclusion onto the NPL list. The database is updated periodically as new sites are discovered. The available list of CERCLIS sites in the area was reviewed by EDR. There are no noted CERCLIS sites listed within one half mile of the site based on the information received from EDR on October 21, 2009.

4.1.3 RCRA Facilities List

This is a list of facilities on which treatment, storage or disposal of hazardous waste takes place, as defined by the RCRA. There are no noted sites listed within a one half mile radius of the site based on the information received from EDR on October 21, 2009.

4.1.4 RCRA Generators List

This is a list of persons or entities that generate hazardous waste as defined and regulated by RCRA. The available list of RCRA sites was reviewed by EDR on October 21, 2009. There are no RCRA-LQG (Large Quantity Generator) sites, RCRA-SQG (Small Quantity Generator) sites, or RCRA-CESQG (Conditionally Exempt Small Quantity Generator) sites within a one-quarter mile search distance of the site.

4.1.5 Emergency Response Notification System (ERNS)

This is a list of reported spills or releases of hazardous substances in quantities greater than the reportable quantity as defined by CERCLA. This list is maintained by the National Response Center. The reporting system is known as the Emergency Response Notification System (ERNS). The most current ERNS list was reviewed by EDR on October 21, 2009. At this time, there have been no listed emergency response calls on the property.

4.1.6 SARA Title III Report

The DENR maintains information under the Superfund Amendment and Re-authorization Act (SARA) of 1986. Title III establishes requirements for federal, state, and local governments and industries regarding emergency planning and "community right-to-know" reporting on hazardous and toxic chemicals that they possess. No State Superfund/ Hazardous Waste facilities were identified within a one mile search radius of the site.

4.1.7 State Landfill And/Or Solid Waste Disposal Sites

There are no operating or closed landfills or solid waste disposal sites on or within a one half mile radius of the site.

4.1.8 State Registered USTs

The Department of Environment and Natural Resources (SDDENR) maintains a register of Underground Storage Tanks (USTs) for the State of South Dakota. The SDDENR also maintains a Leaking Underground Storage Tank (LUST) list. The most recent list available was reviewed by EDR on October 21, 2009. Information provided by EDR indicates there are no registered Underground Storage Tanks (UST) on the subject property and no other USTs within one-quarter mile of the site. There are no known Leaking Underground Storage Tanks (LUST) on or within one-half mile of the site. EDR presents an orphan summary list of underground storage tanks. Although there are several tanks listed outside the aforementioned search radii, it is ATS's opinion that they pose no threat to the subject property.

4.1.9 State Registered Above Ground Storage Tanks (ASTs)

The SDDENR maintains a register of Above Ground Storage Tanks (AST) for the State of South Dakota. The most recent list available was reviewed by EDR on October 21, 2009. Information provided by EDR indicates there are no registered Above Ground Storage Tanks (AST) on or adjacent to the subject property.

4.1.10 Brownfields

The EPA maintains a list of all of the brownfields located in Region 8. Brownfields are locations which were previously occupied by a factory or other such pollution generators which are being cleaned up. There are no brownfields located on the site or adjoining properties.

5.1 HISTORICAL USE INFORMATION ON THE SITE

5.1.1 City Directories

A review of city directories was not conducted for the site due to the proximity of the site with City of Lead records.

5.1.2 Aerial Photographs and Topographic Maps

No past aerial photos were available. Historic topographic maps were retained and are presented in the Appendix of this report.

5.1.3 Title Search

A review of land ownership records was not conducted for the site.

5.2 HISTORICAL USE INFORMATION ON ADJOINING PROPERTIES

Please refer to section 5.1.2 above.

6.0 SITE RECONNAISSANCE

6.1 METHODOLOGY AND LIMITING CONDITIONS

Site reconnaissance was conducted on October 24, 2009, by driving the site using a grid pattern with all-terrain vehicles. As mentioned earlier, several private property signs and signs stating mine shafts exist were present. Thus, some areas were not thoroughly explored due to possible trespassing.

6.2 GENERAL SITE SETTING

The site is primarily grass and timber covered with one (1) primary permanent structure. The site is mostly undeveloped land in the pine forest of the Black Hills. The trees primarily consist of pine and spruce with some deciduous trees also present. The site is primarily typified by ridge and swale topography.

6.3 EXTERIOR OBSERVATIONS

As mentioned earlier, the only structure observed consists of the Lawrence County Search and Rescue building near the intersection of US Highway 85 and Rochford Road. The structure is relatively new thus is in very good condition.

6.4 INTERIOR OBSERVATIONS

Access to the Lawrence County Search and Rescue building was not gained.

7.0 INTERVIEWS

7.1 INTERVIEW WITH CURRENT OWNERS

A telephone interview was conducted with a Gold Corp Inc. representative. Said individual indicated that he knew of no past actions or happenings which would have a negative impact on the subject property.

7.2 INTERVIEWS WITH GOVERNMENT OFFICIALS

Based on our interviews with local officials, we determined that no incidents requiring emergency actions occurred at the site or on adjoining sites.

8.0 FINDINGS AND CONCLUSIONS

Based on review of available records and on-site and vicinity reconnaissance, ATS draws the following conclusions.

- o There is not an NPL site or proposed NPL site within one mile of the site. There are no CORRACTS, US ENG CONTROLS, US INST CONTROLS, and ROD sites located within one mile of the site.
- o There are no Resource Conservation and Recovery Act (RCRA) regulated facilities on the property. There are no RCRA-LQG (Large Quantity Generator) sites, RCRA-SQG (Small Quantity Generator) sites, or RCRA-CESQG (Conditionally Exempt Small Quantity Generator) sites within a one-quarter mile search distance of the site.
- o There are no federal CERCLIS sites within one half mile of the site.
- o The site is not a federal ERNS site.
- o The State of South Dakota Department of Environment and Natural Resources (DENR) is not currently investigating the site or adjoining property.
- o There are no listed Leaking Underground Storage Tanks (LUST) within one half mile of the site.
- o There are no Underground Storage Tanks (UST) on the subject property. There are no Underground Storage Tanks (UST) within one-quarter mile of the site.
- o There are no Leaking Above Ground Storage Tanks (LAST) listed within one half mile of the subject property. There are no Above Ground Storage Tanks (AST) on the subject property or within one half mile of the subject property.
- o There are no tribal LUSTs, USTs, Voluntary Cleanup Sites (VCS), operating or closed solid waste sanitary landfills within one half mile of the site.
- o There are no brownfields or operating or closed solid waste sanitary landfills within one half mile of the site.
- o The site is not located inside the 100 year flood zone. The site is located in the 500 year flood zone.
- o There are no coal gas sites within one mile of the site.
- o Some surficial littering and scattered items such as an old partially buried washer & dryer, old tires, an abandoned car, and construction/demolition debris was observed at various locations on the target property, however, it is ATS's opinion that the littering is minor and the scattered dumped items are minimal and do not pose an adverse threat to the subject property.

- o Several signs were present indicating old mine shafts exist. Due to the presence of private property indicating trespassing was not acceptable, the old mine shafts were not explored. Based on our past assessments in this area, we know the mines shafts were used for gold mining on small claims. Based on our review and assessment of the observable areas of the site, it is our opinion that the mine shafts and past mining operations are small scale and pose minimal threat to the subject property.

ATS has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 for the property described as:

EXPANDED WILDERNESS ESTATES PROPERTY - PARCEL 1- PRELIMINARILY DESCRIBED AS: PRELIMINARY PLAT FOR PARCEL 1 TO INCLUDE BRIDGEPORT 1142, CAN 1142, WEST VIRGINIA 1142, STEAD 1142, STEAD 1142 1-4, MCLEOD 1142, MCLEOD 1142 1-2, MONMOUTH NO. 4 1142, ELSIE 1142, DECEMBER 1142, LONE STAR 1215, POORMAN 1142, LEONA LOCK 1215, HIGH 1142, LOW 1142, MONMOUTH 5-1142, MONMOUTH 6-1142, LEDGER 1215, DEPOSIT 1215, 8 ½ U FRAC 1215, WILD FAWN 1188, CLIENT 1142, GOPHER NO 1-3 1215, XERXES 1151, SOPHIE 1151, ONNAEUS 1151, BOONE 1151, SOUND MONEY 1151, BEAVER 1151, OVERDRAFT 1131, SIOUX 1155, OLD BILL 1151, ARGENTA 1151, CLEOPATRA 1151, MIDNIGHT 1131, SYRACUSE 1151, ASSING WAY 1151, COOK 1151, COLTS 1151, BEAVER 1151, BRANDYWINE 1131, GEORGEANNA 1151, EDSON 1169, EDSON NO 2-3 1169, POLER BEAR 1169, GOLD 1136 AND TWO ADDITIONAL LOTS; LAWRENCE COUNTY, SOUTH DAKOTA.

No exceptions to, or deletions from this practice have been taken. Based on the information obtained from site reconnaissance, interviews and public records, it appears the presence of recognized environmental conditions at the site due to past or present use, or from adjoining properties is low. ***Therefore, it is the opinion of American Technical Services that no further action is necessary at this time.***

APPENDICES

Appendix A - Site Location

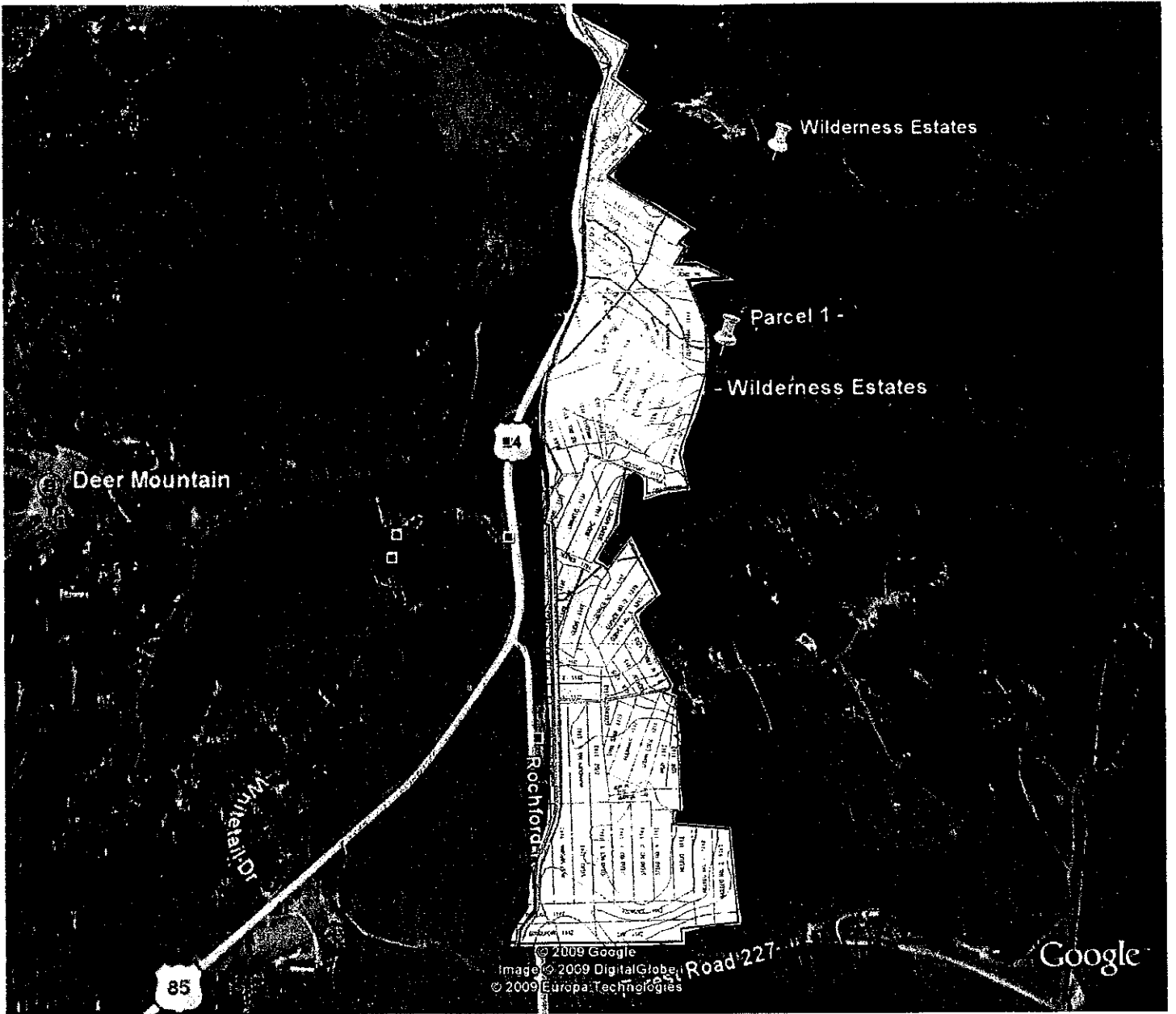
Appendix B - Preliminary Plat of Parcel 1

Appendix C - Site Photographs

Appendix D - Historical Documentation

Appendix E - Historic Topographic Maps

APPENDIX A
SITE LOCATION



↑
Site Location

APPENDIX B
PRELIMINARY PLAT OF SITE

Parcel 1

Wilderness Estates

Parcel 1

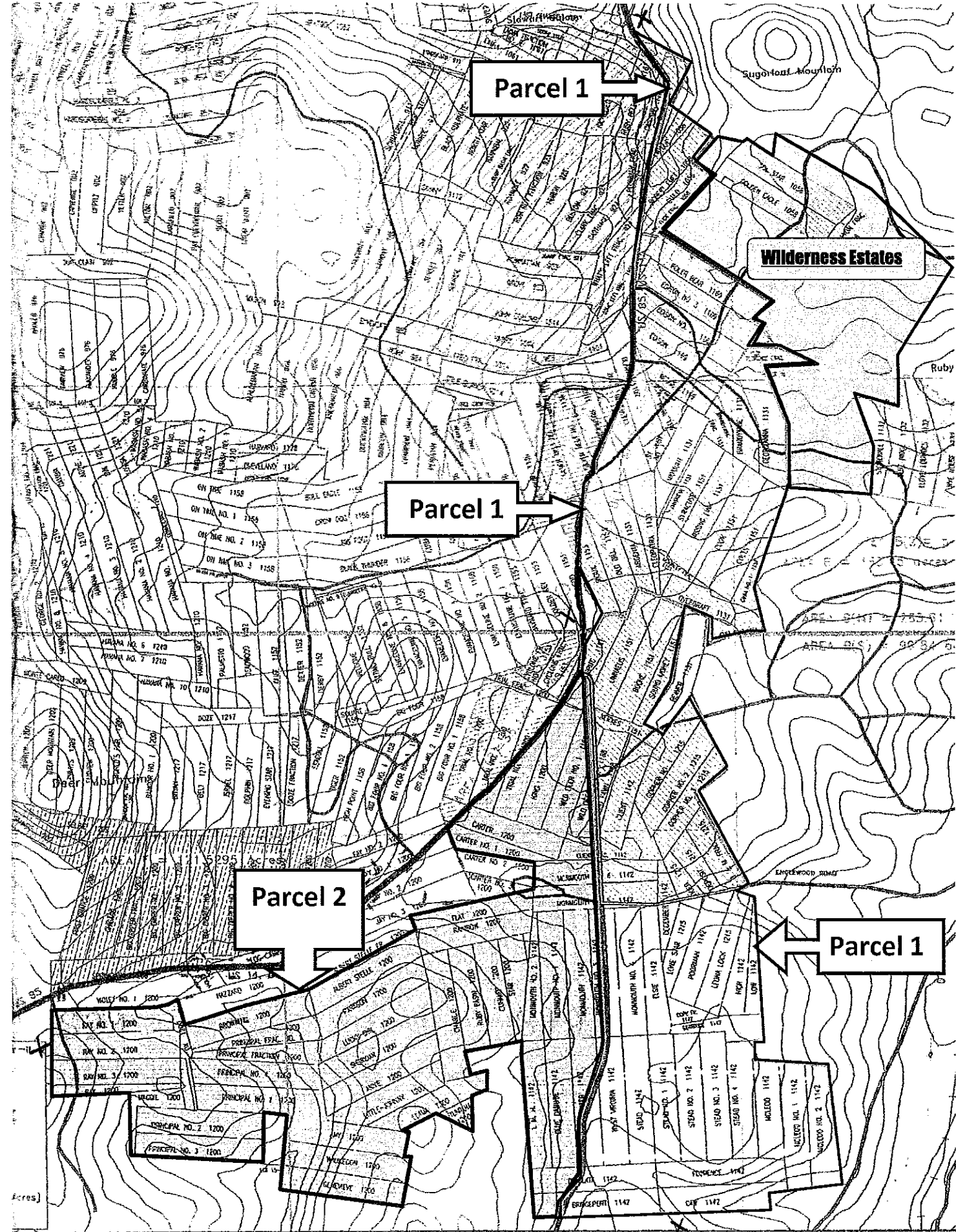
Parcel 2

Parcel 1

Sugarloaf Mountain

Ruby

Englewood Road



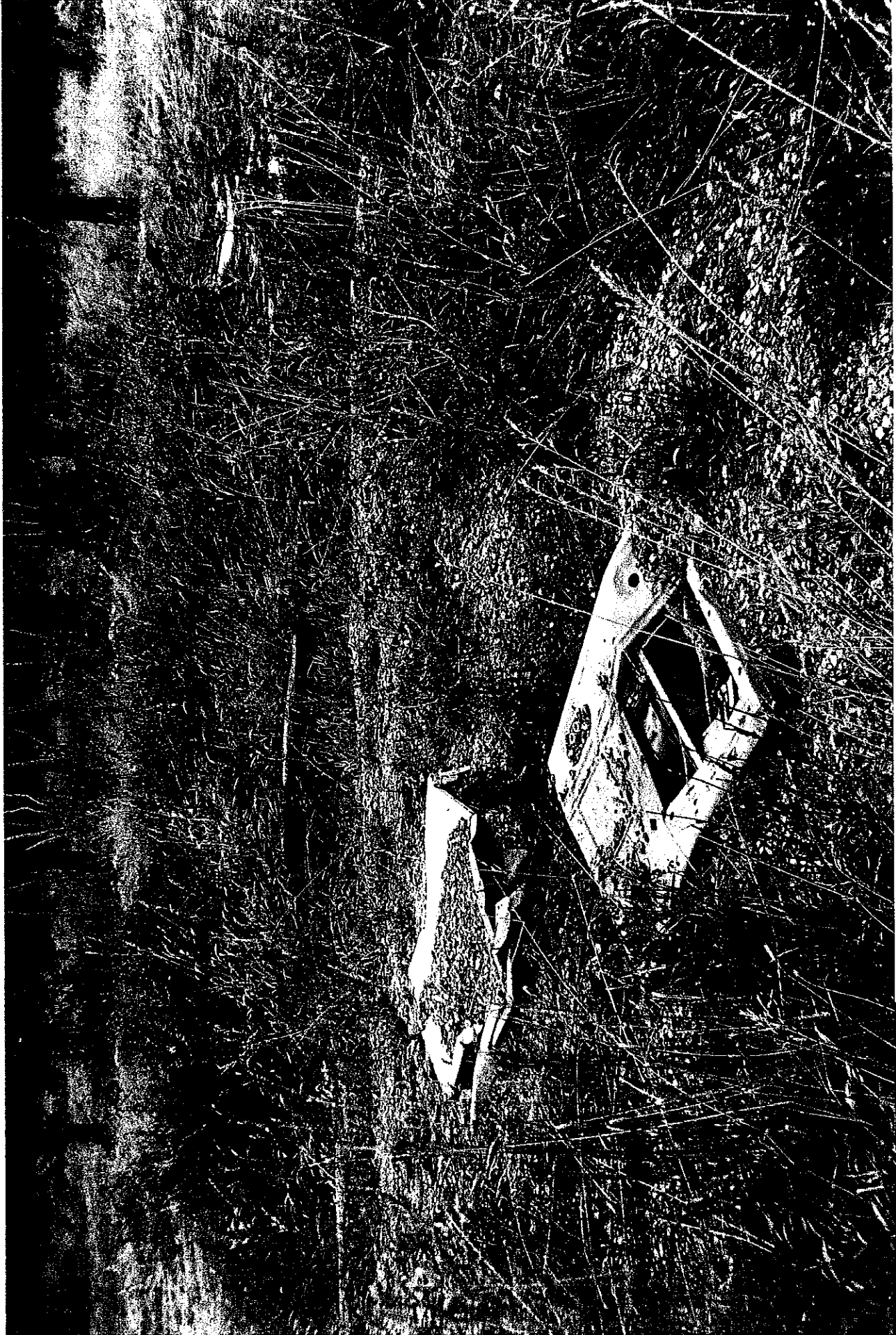
APPENDIX C
SITE PHOTOGRAPHS



TYPICAL SHAFT SIGN - PARCEL 1



SCATTERED DEBRIS - PARCEL 1



SCATTERED DEBRIS - PARCEL 1



**LAWRENCE COUNTY SEARCH & RESCUE BUILDING
PARCEL 1**

APPENDIX D
HISTORICAL DOCUMENTATION

Wilderness Estates Parcel 1

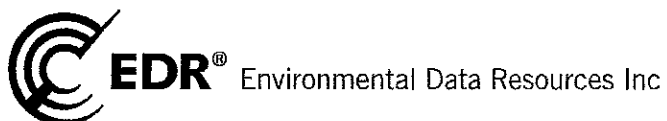
Parcel 1

Lead, SD 57754

Inquiry Number: 2620411.2s

October 21, 2009

The EDR Radius Map™ Report with GeoCheck®



440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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

PARCEL 1
LEAD, SD 57754

COORDINATES

Latitude (North): 44.327500 - 44° 19' 39.0"
Longitude (West): 103.799100 - 103° 47' 56.8"
Universal Transverse Mercator: Zone 13
UTM X (Meters): 595752.9
UTM Y (Meters): 4908733.5
Elevation: 5534 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 44103-C7 LEAD, SD
Most Recent Revision: 1971

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2005, 2006
Source: USDA

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:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

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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

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

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

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Transporters, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Facilities

State and tribal leaking storage tank lists

LUST..... Leaking Underground Storage Tank List
LAST..... Leaking Aboveground Storage Tanks
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

UST..... Underground Storage Tanks

EXECUTIVE SUMMARY

AST..... Aboveground Storage Tanks
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

INST CONTROL..... List of Brownfields Sites

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... List of Brownfields Sites

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODL..... Open Dump Inventory
SWRCY..... Businesses that Accept Recyclables
INDIAN ODL..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information
LUCIS..... Land Use Control Information System

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Spills

Other Ascertainable Records

RCRA-NonGen..... RCRA - Non Generators
DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System

EXECUTIVE SUMMARY

| | |
|-----------------------|---|
| TSCA..... | Toxic Substances Control Act |
| FTTS..... | FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) |
| HIST FTTS..... | FIFRA/TSCA Tracking System Administrative Case Listing |
| SSTS..... | Section 7 Tracking Systems |
| ICIS..... | Integrated Compliance Information System |
| PADS..... | PCB Activity Database System |
| MLTS..... | Material Licensing Tracking System |
| RADINFO..... | Radiation Information Database |
| FINDS..... | Facility Index System/Facility Registry System |
| RAATS..... | RCRA Administrative Action Tracking System |
| UIC..... | Underground Injection Wells Listing |
| DRYCLEANERS..... | Listing of Registered Drycleaners |
| NPDES..... | Wastewater Permit Listing |
| AIRS..... | Air Emissions Listing |
| INDIAN RESERV..... | Indian Reservations |
| SCRD DRYCLEANERS..... | State Coalition for Remediation of Drycleaners Listing |
| COAL ASH..... | Coal Ash Disposal Site Listing |
| PCB TRANSFORMER..... | PCB Transformer Registration Database |

EDR PROPRIETARY RECORDS

EDR Proprietary Records

Manufactured Gas Plants. EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

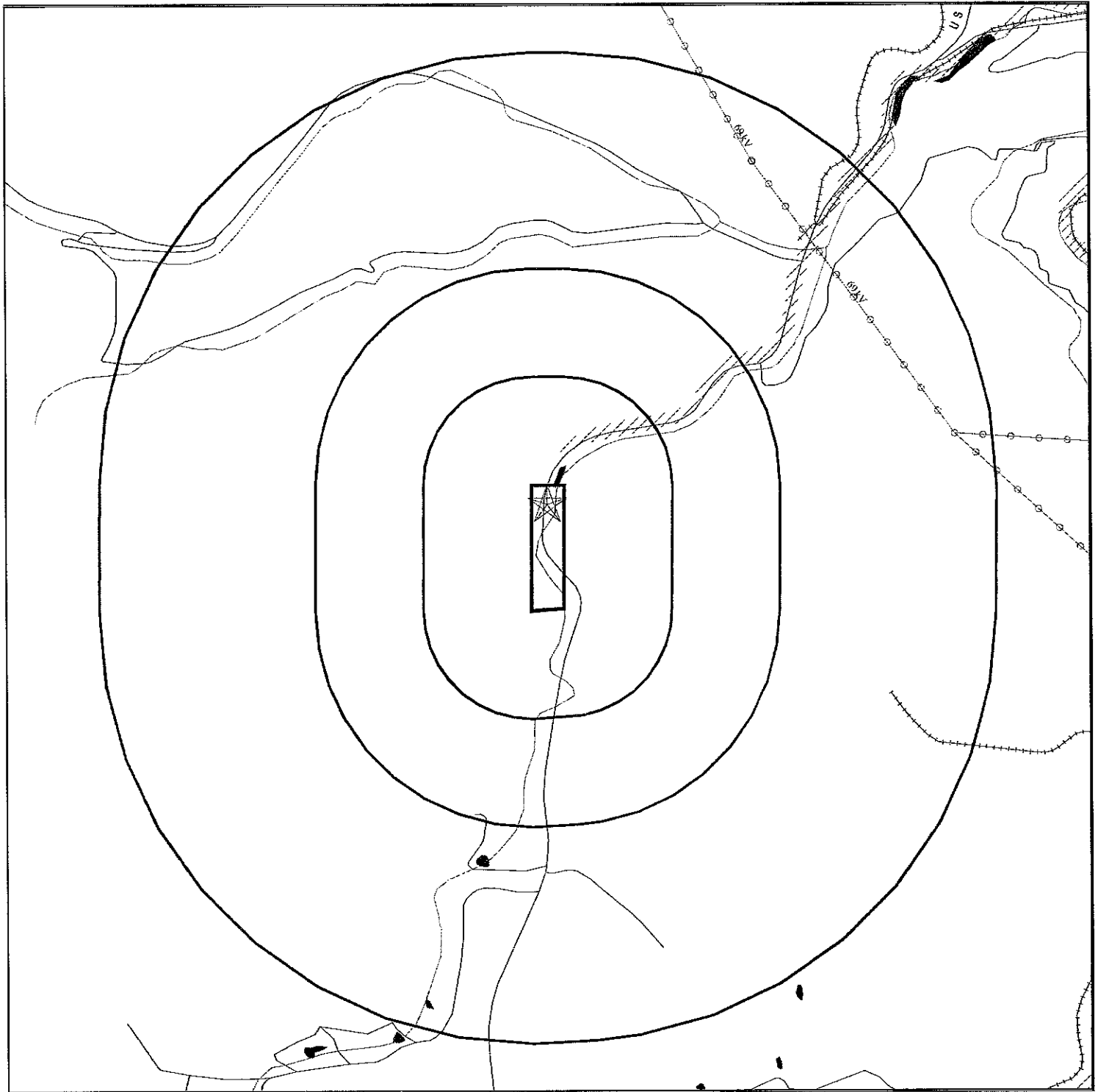
Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

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

| <u>Site Name</u> | <u>Database(s)</u> |
|------------------------------------|--------------------|
| BALD MOUNTAIN TAILINGS | CERCLIS, FINDS |
| RICHMOND HILL PROJECT | CERCLIS |
| U.S. FOREST SERVICE NEMO WORKSTATI | CERCLIS, FINDS |
| GRIZZLY GULCH | SWF/LF, SPILLS |
| NORTH OF THE OPEN CUT | SWF/LF |
| ONE AND ONE HALF MILES SOUTH O | SWF/LF |
| NE EDGE OF THE CITY LIMITS. | SWF/LF |
| 2500 FEET SE FROM CENTRAL CITY | SWF/LF |
| 1 MILE SW OF LEAD CITY LIMITS | SWF/LF |
| 1.5 MILES SOUTH OF LEAD | SWF/LF |
| 3 MILES WEST OF LEAD | SWF/LF |
| IN THE OPEN CUT, 1/2 MILE TO C | SWF/LF |
| 3.5 MI WEST OF LEAD | SWF/LF |
| HIDDEN TREASURE C-MART | LUST |
| ABANDONED TANK PROJECT - KENS CAMP | LUST |
| DEPARTMENT OF TRANSPORTATION | LUST, SPILLS |
| DEPARTMENT OF TRANSPORTATION | LUST |
| DEPARTMENT OF TRANSPORTATION | LUST |
| USDA FOREST SERVICE - HARDY WORK C | LUST |
| ABANDONED TANK PROJECT - FORMER MA | LUST |
| BIG D #21 - HIDDEN TREASURE C-MART | UST |
| HARDY WORK CENTER | UST |
| WHITETAIL COURT MOTEL | AST |
| SNOW ADVENTURE LODGE | AST |
| WHARF RESOURCES - ANNIE CREEK MI | AST |
| WHARF MINE | SPILLS, LAST |
| HOMESTAKE MINE | SPILLS, LAST |
| JUST OUTSIDE OF TOWN 1/4 MI SOUTH | ERNS |
| JUST OUTSIDE OF TOWN 1/4 MI SOUTH | ERNS |
| PIPELINE FROM PAD 1 TO PAD 4 / WHA | ERNS |
| WHARF MINE - PADS 1 AND 4(ALSO INF | SPILLS |
| WHARF PAD 1 CYANIDE RELEASE | SPILLS |
| WHARF PAD 1 SPILL | SPILLS |

OVERVIEW MAP - 2620411.2s



- 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
- National Wetland Inventory

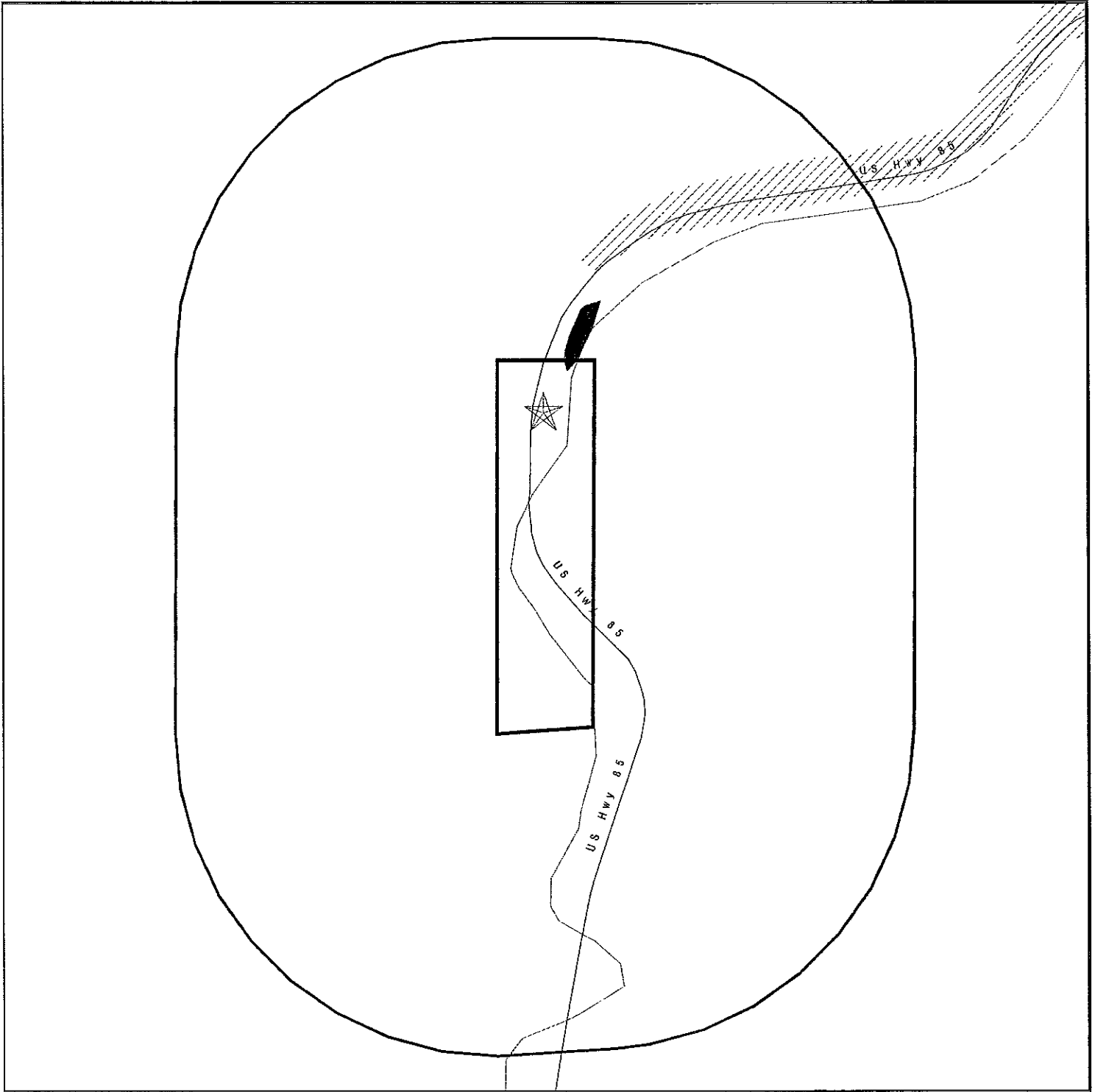









This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

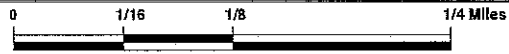
SITE NAME: Wilderness Estates Parcel 1
 ADDRESS: Parcel 1
 Lead SD 57754
 LAT/LONG: 44.3275 / 103.7991






CLIENT: American Technical Services
 CONTACT: Toni Whalin
 INQUIRY #: 2620411.2s
 DATE: October 21, 2009 5:15 pm

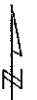
DETAIL MAP - 2620411.2s



-  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
-  National Wetland Inventory



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

SITE NAME: Wilderness Estates Parcel 1
 ADDRESS: Parcel 1
 Lead SD 57754
 LAT/LONG: 44.3275 / 103.7991

CLIENT: American Technical Services
 CONTACT: Toni Whalin
 INQUIRY #: 2620411.2s
 DATE: October 21, 2009 5:21 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 |
|--|--------------------|-------------------------------|-------|-----------|-----------|---------|-----|------------------|
| <u>STANDARD ENVIRONMENTAL RECORDS</u> | | | | | | | | |
| <i>Federal NPL site list</i> | | | | | | | | |
| NPL | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| Proposed NPL | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| NPL LIENS | | TP | NR | NR | NR | NR | NR | 0 |
| <i>Federal Delisted NPL site list</i> | | | | | | | | |
| Delisted NPL | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Federal CERCLIS list</i> | | | | | | | | |
| CERCLIS | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| <i>Federal CERCLIS NFRAP site List</i> | | | | | | | | |
| CERC-NFRAP | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| <i>Federal RCRA CORRACTS facilities list</i> | | | | | | | | |
| CORRACTS | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| <i>Federal RCRA non-CORRACTS TSD facilities list</i> | | | | | | | | |
| RCRA-TSDF | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| <i>Federal RCRA generators list</i> | | | | | | | | |
| RCRA-LQG | | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| RCRA-SQG | | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| RCRA-CESQG | | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| <i>Federal institutional controls / engineering controls registries</i> | | | | | | | | |
| US ENG CONTROLS | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| US INST CONTROL | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| <i>Federal ERNS list</i> | | | | | | | | |
| ERNS | | TP | NR | NR | NR | NR | NR | 0 |
| <i>State- and tribal - equivalent CERCLIS</i> | | | | | | | | |
| SHWS | | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| <i>State and tribal landfill and/or solid waste disposal site lists</i> | | | | | | | | |
| SWF/LF | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| <i>State and tribal leaking storage tank lists</i> | | | | | | | | |
| LUST | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| LAST | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN LUST | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| <i>State and tribal registered storage tank lists</i> | | | | | | | | |
| UST | | 0.250 | 0 | 0 | NR | 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 |
|--|-----------------|-------------------------|-------|-----------|-----------|---------|-----|---------------|
| AST | | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| INDIAN UST | | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| State and tribal institutional control / engineering control registries | | | | | | | | |
| INST CONTROL | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| State and tribal voluntary cleanup sites | | | | | | | | |
| INDIAN VCP | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| State and tribal Brownfields sites | | | | | | | | |
| BROWNFIELDS | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| ADDITIONAL ENVIRONMENTAL RECORDS | | | | | | | | |
| Local Brownfield lists | | | | | | | | |
| US BROWNFIELDS | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| Local Lists of Landfill / Solid Waste Disposal Sites | | | | | | | | |
| DEBRIS REGION 9 | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| ODI | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| SWRCY | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN ODI | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| Local Lists of Hazardous waste / Contaminated Sites | | | | | | | | |
| US CDL | | TP | NR | NR | NR | NR | NR | 0 |
| US HIST CDL | | TP | NR | NR | NR | NR | NR | 0 |
| Local Land Records | | | | | | | | |
| LIENS 2 | | TP | NR | NR | NR | NR | NR | 0 |
| LUCIS | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| Records of Emergency Release Reports | | | | | | | | |
| HMIRS | | TP | NR | NR | NR | NR | NR | 0 |
| SPILLS | | TP | NR | NR | NR | NR | NR | 0 |
| Other Ascertainable Records | | | | | | | | |
| RCRA-NonGen | | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| DOT OPS | | TP | NR | NR | NR | NR | NR | 0 |
| DOD | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| FUDS | | 1.000 | 0 | 0 | 0 | 0 | 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 |
| MINES | | 0.250 | 0 | 0 | NR | 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 |

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 |
|------------------|-----------------|-------------------------|-------|-----------|-----------|---------|-----|---------------|
| HIST FTTS | | TP | NR | NR | NR | NR | NR | 0 |
| SSTS | | TP | NR | NR | NR | NR | NR | 0 |
| ICIS | | TP | NR | NR | NR | NR | NR | 0 |
| PADS | | TP | NR | NR | NR | NR | NR | 0 |
| MLTS | | TP | NR | NR | NR | NR | NR | 0 |
| RADINFO | | TP | NR | NR | NR | NR | NR | 0 |
| FINDS | | TP | NR | NR | NR | NR | NR | 0 |
| RAATS | | TP | NR | NR | NR | NR | NR | 0 |
| UIC | | TP | NR | NR | NR | NR | NR | 0 |
| DRYCLEANERS | | 0.250 | 0 | 0 | NR | NR | NR | 0 |
| NPDES | | TP | NR | NR | NR | NR | NR | 0 |
| AIRS | | TP | NR | NR | NR | NR | NR | 0 |
| INDIAN RESERV | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
| SCRD DRYCLEANERS | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| COAL ASH | | 0.500 | 0 | 0 | 0 | NR | NR | 0 |
| PCB TRANSFORMER | | TP | NR | NR | NR | NR | NR | 0 |

EDR PROPRIETARY RECORDS

EDR Proprietary Records

| | | | | | | | | |
|-------------------------|--|-------|---|---|---|---|----|---|
| Manufactured Gas Plants | | 1.000 | 0 | 0 | 0 | 0 | NR | 0 |
|-------------------------|--|-------|---|---|---|---|----|---|

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

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

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO SITES FOUND

ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|--------------|------------|------------------------------------|--------------------------------|-------|----------------|
| CENTRAL CITY | S106774936 | HIDDEN TREASURE C-MART | HWY 14A | 57754 | LUST |
| CENTRAL CITY | S109409984 | ABANDONED TANK PROJECT - KENS CAMP | HIGHWAY 14A | 57754 | LUST |
| CENTRAL CITY | U003721865 | BIG D #21 - HIDDEN TREASURE C-MART | HWY 14A | 57754 | UST |
| CENTRAL CITY | S105916583 | | GRIZZLY GULCH | 57754 | SWF/IF, SPILLS |
| CENTRAL CITY | S106194995 | | NORTH OF THE OPEN CUT | 57754 | SWF/IF |
| CENTRAL CITY | S106527704 | | ONE AND ONE HALF MILES SOUTH O | 57754 | SWF/IF |
| LEAD | 1000855932 | BALD MOUNTAIN TAILINGS | NE 1/4 NE 1/4 SEC 35 T5N R2E | 57754 | CERCLIS, FINDS |
| LEAD | S103764731 | DEPARTMENT OF TRANSPORTATION | HIGHWAY 14A / GLENDALE | 57754 | LUST, SPILLS |
| LEAD | S103765114 | DEPARTMENT OF TRANSPORTATION | HWY. 14A SOUTH MAIN | 57754 | LUST |
| LEAD | S105257988 | DEPARTMENT OF TRANSPORTATION | HIGHWAY 14A STATION 9 | 57754 | LUST |
| LEAD | A100066689 | WHITETAIL COURT MOTEL | HWY 14A-85-2MI SW OF LEAD | 57754 | AST |
| LEAD | S107420190 | WHARF MINE - PADS 1 AND 4(ALSO INF | HC 37 BOX 811 | 57754 | SPILLS |
| LEAD | S106774837 | USDA FOREST SERVICE - HARDY WORK C | HIGHWAY 85 HARDY WORK CENTER | 57754 | LUST |
| LEAD | S108110331 | ABANDONED TANK PROJECT - FORMER MA | HIGHWAY 85 | 57754 | LUST |
| LEAD | U002316114 | HARDY WORK CENTER | HIGHWAY 85 | 57754 | UST |
| LEAD | S108347681 | WHARF PAD 1 CYANIDE RELEASE | HIGHWAY 85 | 57754 | SPILLS |
| LEAD | S104954620 | WHARF PAD 1 SPILL | HIGHWAY 85 | 57754 | SPILLS |
| LEAD | S108476396 | | HIGHWAY 85 | 57754 | SWF/IF |
| LEAD | S106527980 | | HIGHWAY 85 | 57754 | SWF/IF |
| LEAD | 88482654 | JUST OUTSIDE OF TOWN 1/4 MI SOUTH | NE CORNER OF PAD 1 | 57754 | ERNS |
| LEAD | 8872280 | JUST OUTSIDE OF TOWN 1/4 MI SOUTH | NORTHEAST CORNER OF PAD 1 | 57754 | ERNS |
| LEAD | S109274297 | | NE EDGE OF THE CITY LIMITS. | 57754 | ERNS |
| LEAD | A100066686 | SNOW ADVENTURE LODGE | 2500 FEET SE FROM CENTRAL CITY | 57754 | SWF/IF |
| LEAD | S106195075 | | JUST OUTSIDE OF TOWN 1/4 MI SO | 57754 | AST |
| LEAD | S106798767 | | JUST OUTSIDE OF TOWN 1/4 MI SO | 57754 | SWF/IF |
| LEAD | 1010782135 | RICHMOND HILL PROJECT | 1 MILE SW OF LEAD CITY LIMITS | 57754 | SWF/IF |
| LEAD | 97561683 | PIPELINE FROM PAD 1 TO PAD 4 / WHA | 20 MILES S. OF LEAD ON HWY 85 | 57754 | CERCLIS |
| LEAD | S106775476 | WHARF MINE | 1.5 MILES SOUTH OF LEAD | 57754 | ERNS |
| LEAD | S106527981 | | 3 MILES WEST OF LEAD | 57754 | SPILLS, LAST |
| LEAD | A100066688 | WHARF RESOURCES - ANNIE CREEK MI | 4 MI NW OF LEAD OFF HWY 473 | 57754 | SWF/IF |
| LEAD | S106528193 | | PIPELINE FROM PAD 1 TO PAD 4 / | 57754 | AST |
| LEAD | 1002819032 | U.S. FOREST SERVICE NEMO WORKSTATI | PROCESS PLANT | 57754 | SWF/IF |
| ROCHFORD | S106775460 | HOMESTAKE MINE | IN THE OPEN CUT, 1/2 MILE TO C | 57754 | SWF/IF |
| | | | TROJAN ROUTE | 57754 | AST |
| | | | 3.5 MI WEST OF LEAD | 57754 | SWF/IF |
| | | | NEMO | 57754 | CERCLIS, FINDS |
| | | | BLOODY GULCH, ~2 MILES E OF RO | 57754 | SPILLS, LAST |

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.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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: 06/29/2009 | Source: EPA |
| Date Data Arrived at EDR: 07/31/2009 | Telephone: N/A |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 10/14/2009 |
| Number of Days to Update: 52 | Next Scheduled EDR Contact: 01/25/2010 |
| | 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: 06/29/2009 | Source: EPA |
| Date Data Arrived at EDR: 07/31/2009 | Telephone: N/A |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 10/14/2009 |
| Number of Days to Update: 52 | Next Scheduled EDR Contact: 01/25/2010 |
| | Data Release Frequency: Quarterly |

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 | Source: EPA |
| Date Data Arrived at EDR: 02/02/1994 | Telephone: 202-564-4267 |
| Date Made Active in Reports: 03/30/1994 | Last EDR Contact: 08/17/2009 |
| Number of Days to Update: 56 | Next Scheduled EDR Contact: 11/16/2009 |
| | Data Release Frequency: No Update Planned |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

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: 06/29/2009 | Source: EPA |
| Date Data Arrived at EDR: 07/31/2009 | Telephone: N/A |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 10/14/2009 |
| Number of Days to Update: 52 | Next Scheduled EDR Contact: 01/25/2010 |
| | Data Release Frequency: Quarterly |

Federal CERCLIS list

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

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

| | |
|---|--|
| Date of Government Version: 06/30/2009 | Source: EPA |
| Date Data Arrived at EDR: 08/11/2009 | Telephone: 703-412-9810 |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 09/30/2009 |
| Number of Days to Update: 41 | Next Scheduled EDR Contact: 01/11/2010 |
| | Data Release Frequency: Quarterly |

Federal CERCLIS NFRAP site List

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: 06/23/2009 | Source: EPA |
| Date Data Arrived at EDR: 09/02/2009 | Telephone: 703-412-9810 |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 09/09/2009 |
| Number of Days to Update: 19 | Next Scheduled EDR Contact: 12/14/2009 |
| | Data Release Frequency: Quarterly |

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

| | |
|---|--|
| Date of Government Version: 06/30/2009 | Source: EPA |
| Date Data Arrived at EDR: 07/01/2009 | Telephone: 800-424-9346 |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 08/31/2009 |
| Number of Days to Update: 82 | Next Scheduled EDR Contact: 11/30/2009 |
| | Data Release Frequency: Quarterly |

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Transporters, Storage and Disposal

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. 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). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 303-312-6149
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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. 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). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 303-312-6149
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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. 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). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 303-312-6149
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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. 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.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 303-312-6149
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 03/31/2009
Date Data Arrived at EDR: 04/22/2009
Date Made Active in Reports: 05/05/2009
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/18/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 03/31/2009
Date Data Arrived at EDR: 04/22/2009
Date Made Active in Reports: 05/05/2009
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 09/18/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Varies

Federal ERNS list

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: 05/15/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 62

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/06/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

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

Source: Department of Environment & Natural Resources
Telephone: 605-773-3296
Last EDR Contact: 09/29/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: N/A

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Facilities

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

Date of Government Version: 04/30/2009
Date Data Arrived at EDR: 05/01/2009
Date Made Active in Reports: 05/22/2009
Number of Days to Update: 21

Source: Department of Environment and Natural Resources
Telephone: 605-773-3153
Last EDR Contact: 10/13/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Semi-Annually

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank List

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state. Please be aware that this is not a complete list of reported spills/release for the state of South Dakota.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/28/2009
Date Data Arrived at EDR: 08/31/2009
Date Made Active in Reports: 09/16/2009
Number of Days to Update: 16

Source: Department of Environment and Natural Resources
Telephone: 605-773-3296
Last EDR Contact: 10/19/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Quarterly

LAST: Leaking Aboveground Storage Tanks

Leaking Aboveground Storage Tank Incident Reports.

Date of Government Version: 08/28/2009
Date Data Arrived at EDR: 08/31/2009
Date Made Active in Reports: 09/16/2009
Number of Days to Update: 16

Source: Department of Environment and Natural Resources
Telephone: 605 773-3296
Last EDR Contact: 10/19/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Quarterly

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: 06/01/2009
Date Data Arrived at EDR: 06/03/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 14

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Quarterly

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 02/24/2009
Date Data Arrived at EDR: 03/03/2009
Date Made Active in Reports: 05/05/2009
Number of Days to Update: 63

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Semi-Annually

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: 06/08/2009
Date Data Arrived at EDR: 06/09/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 08/20/2009
Date Data Arrived at EDR: 08/21/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 31

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Quarterly

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: 02/19/2009
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 25

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 08/17/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in New Mexico and Oklahoma.

| | |
|---|--|
| Date of Government Version: 08/24/2009 | Source: EPA Region 6 |
| Date Data Arrived at EDR: 08/26/2009 | Telephone: 214-665-6597 |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 08/17/2009 |
| Number of Days to Update: 26 | Next Scheduled EDR Contact: 11/16/2009 |
| | Data Release Frequency: Varies |

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land LUSTs on Indian land in Iowa, Kansas, and Nebraska

| | |
|---|--|
| Date of Government Version: 03/24/2009 | Source: EPA Region 7 |
| Date Data Arrived at EDR: 05/20/2009 | Telephone: 913-551-7003 |
| Date Made Active in Reports: 06/17/2009 | Last EDR Contact: 08/21/2009 |
| Number of Days to Update: 28 | Next Scheduled EDR Contact: 11/16/2009 |
| | Data Release Frequency: Varies |

State and tribal registered storage tank lists

UST: Underground Storage Tanks

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: 06/30/2009 | Source: Department of Environment and Natural Resources |
| Date Data Arrived at EDR: 07/30/2009 | Telephone: 605-773-3296 |
| Date Made Active in Reports: 08/14/2009 | Last EDR Contact: 09/30/2009 |
| Number of Days to Update: 15 | Next Scheduled EDR Contact: 01/11/2010 |
| | Data Release Frequency: Varies |

AST: Aboveground Storage Tanks

Registered Aboveground Storage Tanks.

| | |
|---|---|
| Date of Government Version: 06/30/2009 | Source: Department of Environment & Natural Resources |
| Date Data Arrived at EDR: 07/30/2009 | Telephone: 605-773-3296 |
| Date Made Active in Reports: 08/14/2009 | Last EDR Contact: 09/30/2009 |
| Number of Days to Update: 15 | Next Scheduled EDR Contact: 01/11/2010 |
| | Data Release Frequency: Varies |

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

| | |
|---|--|
| Date of Government Version: 06/04/2009 | Source: EPA Region 9 |
| Date Data Arrived at EDR: 06/04/2009 | Telephone: 415-972-3368 |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 08/17/2009 |
| Number of Days to Update: 109 | Next Scheduled EDR Contact: 11/16/2009 |
| | Data Release Frequency: Quarterly |

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

| | |
|---|--|
| Date of Government Version: 06/01/2009 | Source: EPA Region 8 |
| Date Data Arrived at EDR: 06/03/2009 | Telephone: 303-312-6137 |
| Date Made Active in Reports: 06/17/2009 | Last EDR Contact: 08/17/2009 |
| Number of Days to Update: 14 | Next Scheduled EDR Contact: 11/16/2009 |
| | Data Release Frequency: Quarterly |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

| | |
|---|--|
| Date of Government Version: 08/24/2009 | Source: EPA Region 6 |
| Date Data Arrived at EDR: 08/26/2009 | Telephone: 214-665-7591 |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 08/17/2009 |
| Number of Days to Update: 26 | Next Scheduled EDR Contact: 11/16/2009 |
| | Data Release Frequency: Semi-Annually |

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

| | |
|---|--|
| Date of Government Version: 09/08/2008 | Source: EPA Region 5 |
| Date Data Arrived at EDR: 09/19/2008 | Telephone: 312-886-6136 |
| Date Made Active in Reports: 10/16/2008 | Last EDR Contact: 08/17/2009 |
| Number of Days to Update: 27 | Next Scheduled EDR Contact: 11/16/2009 |
| | Data Release Frequency: Varies |

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations).

| | |
|---|--|
| Date of Government Version: 02/24/2009 | Source: EPA Region 4 |
| Date Data Arrived at EDR: 03/03/2009 | Telephone: 404-562-9424 |
| Date Made Active in Reports: 05/05/2009 | Last EDR Contact: 08/17/2009 |
| Number of Days to Update: 63 | Next Scheduled EDR Contact: 11/16/2009 |
| | Data Release Frequency: Semi-Annually |

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

| | |
|---|--|
| Date of Government Version: 02/19/2009 | Source: EPA, Region 1 |
| Date Data Arrived at EDR: 02/19/2009 | Telephone: 617-918-1313 |
| Date Made Active in Reports: 03/16/2009 | Last EDR Contact: 08/17/2009 |
| Number of Days to Update: 25 | Next Scheduled EDR Contact: 11/16/2009 |
| | Data Release Frequency: Varies |

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

| | |
|---|--|
| Date of Government Version: 08/20/2009 | Source: EPA Region 10 |
| Date Data Arrived at EDR: 08/21/2009 | Telephone: 206-553-2857 |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 08/17/2009 |
| Number of Days to Update: 31 | Next Scheduled EDR Contact: 11/16/2009 |
| | Data Release Frequency: Quarterly |

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

| | |
|---|--|
| Date of Government Version: 04/01/2008 | Source: EPA Region 7 |
| Date Data Arrived at EDR: 12/30/2008 | Telephone: 913-551-7003 |
| Date Made Active in Reports: 03/16/2009 | Last EDR Contact: 08/21/2009 |
| Number of Days to Update: 76 | Next Scheduled EDR Contact: 11/16/2009 |
| | Data Release Frequency: Varies |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal institutional control / engineering control registries

INST CONTROL: List of Brownfields Sites

Sites that have institutional controls in place.

Date of Government Version: 03/07/2006

Date Data Arrived at EDR: 03/23/2006

Date Made Active in Reports: 04/24/2006

Number of Days to Update: 32

Source: Department of Environment & Natural Resources

Telephone: 605-773-3296

Last EDR Contact: 08/31/2009

Next Scheduled EDR Contact: 11/30/2009

Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008

Date Data Arrived at EDR: 04/22/2008

Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 7

Telephone: 913-551-7365

Last EDR Contact: 04/20/2009

Next Scheduled EDR Contact: 07/20/2009

Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 04/02/2008

Date Data Arrived at EDR: 04/22/2008

Date Made Active in Reports: 05/19/2008

Number of Days to Update: 27

Source: EPA, Region 1

Telephone: 617-918-1102

Last EDR Contact: 10/05/2009

Next Scheduled EDR Contact: 01/18/2010

Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: List of Brownfields Sites

The concept of the South Dakota's Brownfields Program is to take contaminated or potentially contaminated, underdeveloped, unproductive property and convert it into productive real estate. Brownfield sites are defined as abandoned, idled or underused industrial or commercial properties where redevelopment is complicated by real or perceived environmental contamination.

Date of Government Version: 08/31/2009

Date Data Arrived at EDR: 09/01/2009

Date Made Active in Reports: 09/16/2009

Number of Days to Update: 15

Source: Department of Environment & Natural Resources

Telephone: 605-773-3296

Last EDR Contact: 09/01/2009

Next Scheduled EDR Contact: 11/30/2009

Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

| | |
|---|---|
| Date of Government Version: 10/01/2008 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 11/14/2008 | Telephone: 202-566-2777 |
| Date Made Active in Reports: 12/23/2008 | Last EDR Contact: 09/11/2009 |
| Number of Days to Update: 39 | Next Scheduled EDR Contact: 01/11/2010 |
| | Data Release Frequency: Semi-Annually |

Local Lists of Landfill / Solid Waste Disposal Sites

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 |

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

| | |
|---|--|
| Date of Government Version: 01/12/2009 | Source: EPA, Region 9 |
| Date Data Arrived at EDR: 05/07/2009 | Telephone: 415-972-3336 |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 09/23/2009 |
| Number of Days to Update: 137 | Next Scheduled EDR Contact: 12/21/2009 |
| | Data Release Frequency: Varies |

SWRCY: Businesses that Accept Recyclables

A listing of recycling facilities.

| | |
|---|---|
| Date of Government Version: 04/13/2009 | Source: Department of Environmental & Natural Resources |
| Date Data Arrived at EDR: 04/14/2009 | Telephone: 605-773-3153 |
| Date Made Active in Reports: 05/22/2009 | Last EDR Contact: 10/13/2009 |
| Number of Days to Update: 38 | Next Scheduled EDR Contact: 01/25/2010 |
| | Data Release Frequency: Semi-Annually |

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

| | |
|---|---|
| Date of Government Version: 12/31/1998 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 12/03/2007 | Telephone: 703-308-8245 |
| Date Made Active in Reports: 01/24/2008 | Last EDR Contact: 08/26/2009 |
| Number of Days to Update: 52 | Next Scheduled EDR Contact: 11/23/2009 |
| | Data Release Frequency: Varies |

Local Lists of Hazardous waste / Contaminated Sites

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

US 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: 03/01/2009 | Source: Drug Enforcement Administration |
| Date Data Arrived at EDR: 06/22/2009 | Telephone: 202-307-1000 |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 03/26/2009 |
| Number of Days to Update: 91 | Next Scheduled EDR Contact: 06/22/2009 |
| | Data Release Frequency: Quarterly |

US HIST CDL: National Clandestine Laboratory Register

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: 09/01/2007 | Source: Drug Enforcement Administration |
| Date Data Arrived at EDR: 11/19/2008 | Telephone: 202-307-1000 |
| Date Made Active in Reports: 03/30/2009 | Last EDR Contact: 03/23/2009 |
| Number of Days to Update: 131 | Next Scheduled EDR Contact: 06/22/2009 |
| | Data Release Frequency: No Update Planned |

Local Land Records

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: 08/18/2009 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 08/21/2009 | Telephone: 202-564-6023 |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 08/17/2009 |
| Number of Days to Update: 31 | Next Scheduled EDR Contact: 11/16/2009 |
| | Data Release Frequency: Varies |

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 | Source: Department of the Navy |
| Date Data Arrived at EDR: 12/11/2006 | Telephone: 843-820-7326 |
| Date Made Active in Reports: 01/11/2007 | Last EDR Contact: 09/08/2009 |
| Number of Days to Update: 31 | Next Scheduled EDR Contact: 12/07/2009 |
| | Data Release Frequency: Varies |

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

| | |
|---|---|
| Date of Government Version: 07/16/2009 | Source: U.S. Department of Transportation |
| Date Data Arrived at EDR: 07/16/2009 | Telephone: 202-366-4555 |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 10/05/2009 |
| Number of Days to Update: 67 | Next Scheduled EDR Contact: 01/11/2010 |
| | Data Release Frequency: Annually |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS: Spills

Spills and releases of regulated substances.

Date of Government Version: 08/28/2009
Date Data Arrived at EDR: 08/31/2009
Date Made Active in Reports: 09/16/2009
Number of Days to Update: 16

Source: Department of Environment and Natural Resources
Telephone: 605-773-3296
Last EDR Contact: 10/19/2009
Next Scheduled EDR Contact: 02/01/2010
Data Release Frequency: Quarterly

Other Ascertainable Records

RCRA-NonGen: RCRA - Non Generators

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. 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). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/12/2008
Date Data Arrived at EDR: 11/18/2008
Date Made Active in Reports: 03/16/2009
Number of Days to Update: 118

Source: Environmental Protection Agency
Telephone: 303-312-6149
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/18/2010
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: 05/14/2008
Date Data Arrived at EDR: 05/28/2008
Date Made Active in Reports: 08/08/2008
Number of Days to Update: 72

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/27/2009
Next Scheduled EDR Contact: 11/23/2009
Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 703-692-8801
Last EDR Contact: 05/08/2009
Next Scheduled EDR Contact: 08/03/2009
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: 12/31/2007
Date Data Arrived at EDR: 09/05/2008
Date Made Active in Reports: 09/23/2008
Number of Days to Update: 18

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 09/30/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Varies

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: 04/24/2009
Date Data Arrived at EDR: 05/19/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 125

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/06/2009
Next Scheduled EDR Contact: 01/18/2010
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ROD: Records Of Decision

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

Date of Government Version: 04/23/2009
Date Data Arrived at EDR: 04/28/2009
Date Made Active in Reports: 05/19/2009
Number of Days to Update: 21

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 09/22/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 01/05/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 05/08/2009
Number of Days to Update: 1

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 09/14/2009
Next Scheduled EDR Contact: 12/14/2009
Data Release Frequency: Varies

MINES: Mines Master Index File

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

Date of Government Version: 05/28/2009
Date Data Arrived at EDR: 06/23/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 90

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 09/18/2009
Next Scheduled EDR Contact: 12/21/2009
Data Release Frequency: Semi-Annually

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: 12/31/2007
Date Data Arrived at EDR: 04/09/2009
Date Made Active in Reports: 06/17/2009
Number of Days to Update: 69

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 09/14/2009
Next Scheduled EDR Contact: 12/14/2009
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
Date Data Arrived at EDR: 04/14/2006
Date Made Active in Reports: 05/30/2006
Number of Days to Update: 46

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 10/07/2009
Next Scheduled EDR Contact: 01/11/2010
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: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 09/10/2009
Next Scheduled EDR Contact: 12/14/2009
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 04/09/2009 | Source: EPA |
| Date Data Arrived at EDR: 04/16/2009 | Telephone: 202-566-1667 |
| Date Made Active in Reports: 05/11/2009 | Last EDR Contact: 09/10/2009 |
| Number of Days to Update: 25 | Next Scheduled EDR Contact: 12/14/2009 |
| | 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: 12/17/2007 |
| Number of Days to Update: 40 | Next Scheduled EDR Contact: 03/17/2008 |
| | Data Release Frequency: No Update Planned |

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement 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: 12/17/2008 |
| Number of Days to Update: 40 | Next Scheduled EDR Contact: 03/17/2008 |
| | Data Release Frequency: No Update Planned |

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: 12/31/2007 | Source: EPA |
| Date Data Arrived at EDR: 05/19/2009 | Telephone: 202-564-4203 |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 09/29/2009 |
| Number of Days to Update: 125 | Next Scheduled EDR Contact: 01/11/2010 |
| | Data Release Frequency: Annually |

ICIS: Integrated Compliance Information System

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

| | |
|---|---|
| Date of Government Version: 03/20/2009 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 03/20/2009 | Telephone: 202-564-5088 |
| Date Made Active in Reports: 05/05/2009 | Last EDR Contact: 09/28/2009 |
| Number of Days to Update: 46 | Next Scheduled EDR Contact: 01/11/2010 |
| | Data Release Frequency: Quarterly |

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PADS: PCB Activity Database System

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

| | |
|---|--|
| Date of Government Version: 05/27/2009 | Source: EPA |
| Date Data Arrived at EDR: 08/05/2009 | Telephone: 202-566-0500 |
| Date Made Active in Reports: 09/29/2009 | Last EDR Contact: 10/21/2009 |
| Number of Days to Update: 55 | Next Scheduled EDR Contact: 02/01/2010 |
| | 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: 07/06/2009 | Source: Nuclear Regulatory Commission |
| Date Data Arrived at EDR: 07/13/2009 | Telephone: 301-415-7169 |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 09/21/2009 |
| Number of Days to Update: 70 | Next Scheduled EDR Contact: 12/28/2009 |
| | Data Release Frequency: Quarterly |

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: 07/28/2009 | Source: Environmental Protection Agency |
| Date Data Arrived at EDR: 07/28/2009 | Telephone: 202-343-9775 |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 10/16/2009 |
| Number of Days to Update: 55 | Next Scheduled EDR Contact: 01/25/2010 |
| | Data Release Frequency: Quarterly |

FINDS: Facility Index System/Facility Registry System

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

| | |
|---|--|
| Date of Government Version: 07/23/2009 | Source: EPA |
| Date Data Arrived at EDR: 07/28/2009 | Telephone: (303) 312-6312 |
| Date Made Active in Reports: 09/21/2009 | Last EDR Contact: 09/18/2009 |
| Number of Days to Update: 55 | Next Scheduled EDR Contact: 12/28/2009 |
| | 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: 06/02/2008 |
| Number of Days to Update: 35 | Next Scheduled EDR Contact: 09/01/2008 |
| | Data Release Frequency: No Update Planned |

BRS: Biennial Reporting System

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 02/19/2009
Date Made Active in Reports: 05/22/2009
Number of Days to Update: 92

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/09/2009
Next Scheduled EDR Contact: 12/07/2009
Data Release Frequency: Biennially

UIC: Underground Injection Wells Listing
A listing of Class II underground injection wells.

Date of Government Version: 09/08/2009
Date Data Arrived at EDR: 09/08/2009
Date Made Active in Reports: 09/30/2009
Number of Days to Update: 22

Source: Department of Environment & Natural Resources
Telephone: 605-394-2229
Last EDR Contact: 06/08/2009
Next Scheduled EDR Contact: 12/07/2009
Data Release Frequency: Varies

DRYCLEANERS: Listing of Registered Drycleaners
A listing of registered drycleaner facility locations.

Date of Government Version: 07/27/2009
Date Data Arrived at EDR: 07/27/2009
Date Made Active in Reports: 08/17/2009
Number of Days to Update: 21

Source: Department of Environmental & Natural Resources
Telephone: 605-773-3151
Last EDR Contact: 10/13/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Varies

NPDES: Wastewater Permit Listing
A listing of wastewater permit facility locations.

Date of Government Version: 07/13/2009
Date Data Arrived at EDR: 07/13/2009
Date Made Active in Reports: 07/21/2009
Number of Days to Update: 8

Source: Department of Environment & Natural Resources
Telephone: 605-773-3351
Last EDR Contact: 09/29/2009
Next Scheduled EDR Contact: 01/11/2010
Data Release Frequency: Varies

AIRS: Air Emissions Listing
A listing of facilities with air emissions.

Date of Government Version: 07/27/2009
Date Data Arrived at EDR: 07/27/2009
Date Made Active in Reports: 08/17/2009
Number of Days to Update: 21

Source: Department of Environment & Natural Resources
Telephone: 605-773-4209
Last EDR Contact: 07/27/2009
Next Scheduled EDR Contact: 10/26/2009
Data Release Frequency: Varies

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 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: 05/08/2009
Next Scheduled EDR Contact: 08/03/2009
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 06/29/2009
Date Data Arrived at EDR: 06/29/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 09/08/2009
Next Scheduled EDR Contact: 11/09/2009
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 01/16/2009
Date Data Arrived at EDR: 06/26/2009
Date Made Active in Reports: 07/21/2009
Number of Days to Update: 25

Source: Department of Environment & Natural Resources
Telephone: 605-773-3153
Last EDR Contact: 10/13/2009
Next Scheduled EDR Contact: 01/25/2010
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 01/01/2008
Date Data Arrived at EDR: 02/18/2009
Date Made Active in Reports: 05/29/2009
Number of Days to Update: 100

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 08/21/2009
Next Scheduled EDR Contact: 11/16/2009
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 05/08/2009
Next Scheduled EDR Contact: 08/03/2009
Data Release Frequency: N/A

EDR PROPRIETARY RECORDS

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

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.

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/28/2009
Date Data Arrived at EDR: 08/27/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 25

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/27/2009
Next Scheduled EDR Contact: 11/23/2009
Data Release Frequency: Annually

RI MANIFEST: Manifest information Hazardous waste manifest information

Date of Government Version: 06/01/2009
Date Data Arrived at EDR: 06/12/2009
Date Made Active in Reports: 06/29/2009
Number of Days to Update: 17

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 09/14/2009
Next Scheduled EDR Contact: 12/14/2009
Data Release Frequency: Annually

WI MANIFEST: Manifest Information Hazardous waste manifest information.

Date of Government Version: 12/31/2008
Date Data Arrived at EDR: 07/17/2009
Date Made Active in Reports: 08/10/2009
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/24/2009
Next Scheduled EDR Contact: 01/04/2010
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Daycare Centers: Child Care Facility List
Source: Department of Social Services
Telephone: 605-773-4766

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® - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

WILDERNESS ESTATES PARCEL 1
PARCEL 1
LEAD, SD 57754

TARGET PROPERTY COORDINATES

| | |
|--------------------------------|---------------------------|
| Latitude (North): | 44.32750 - 44° 19' 39.0" |
| Longitude (West): | 103.7991 - 103° 47' 56.8" |
| Universal Transverse Mercator: | Zone 13 |
| UTM X (Meters): | 595752.9 |
| UTM Y (Meters): | 4908733.5 |
| Elevation: | 5534 ft. above sea level |

USGS TOPOGRAPHIC MAP

| | |
|-----------------------|-------------------|
| Target Property Map: | 44103-C7 LEAD, SD |
| Most Recent Revision: | 1971 |

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).

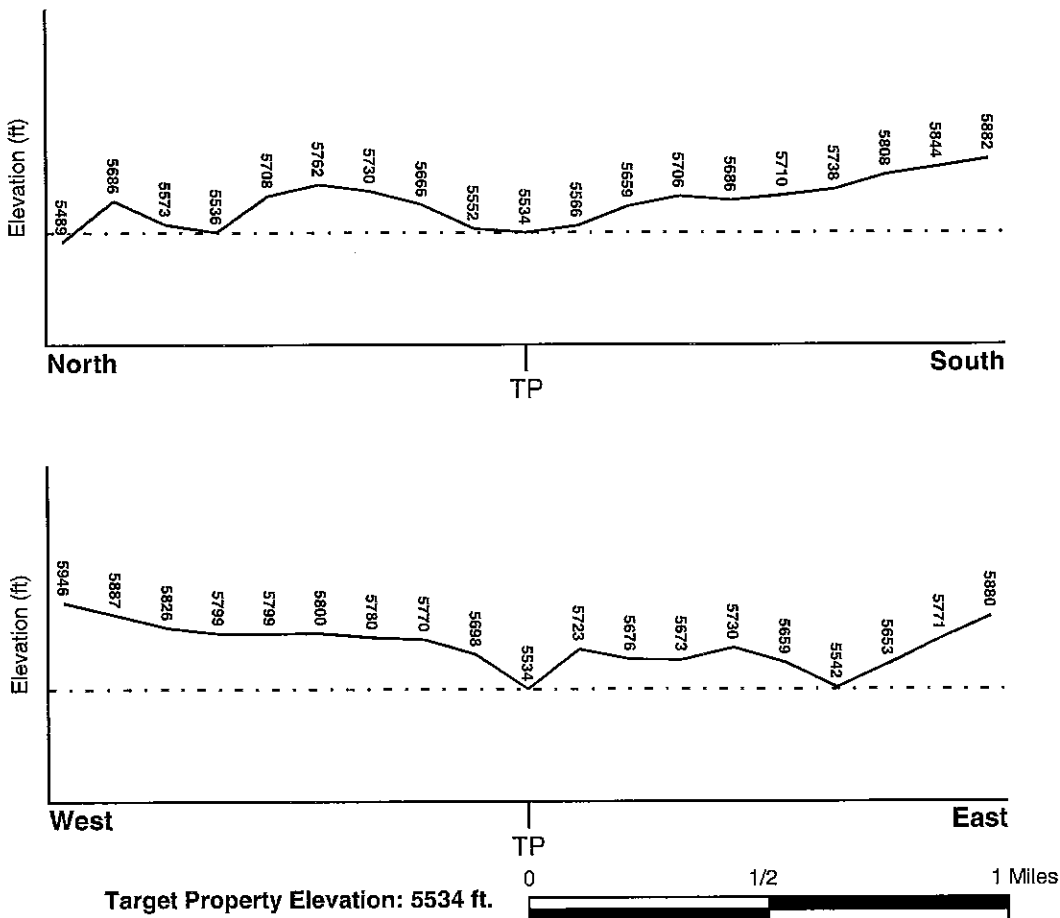
TOPOGRAPHIC INFORMATION

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 ESE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 5534 ft.

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> LAWRENCE, SD | <u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map |
| Flood Plain Panel at Target Property: | 4600940125B |
| Additional Panels in search area: | Not Reported |

NATIONAL WETLAND INVENTORY

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

HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

| | | | |
|---------|-----------------|-----------|--|
| Era: | Paleozoic | Category: | Stratified Sequence |
| System: | Ordovician | | |
| Series: | Lower Paleozoic | | |
| Code: | IPz | | <i>(decoded above as Era, System & Series)</i> |

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: | ROCK OUTCROP |
| Soil Surface Texture: | unweathered bedrock |
| Hydrologic Group: | Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer. |
| Soil Drainage Class: | Excessively. Soils have very high and high hydraulic conductivity and low water holding capacity. Depth to water table is more than 6 feet. |

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

Corrosion Potential - Uncoated Steel: MODERATE

| | |
|-----------------------|------------|
| Depth to Bedrock Min: | > 0 inches |
| Depth to Bedrock Max: | > 1 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 | 60 inches | unweathered bedrock | Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand. | COARSE-GRAINED SOILS, Gravels, Clean gravels, Poorly Graded Gravel. | Max: 0.06 Min: 0.00 | Max: 7.30 Min: 5.60 |

OTHER SOIL TYPES IN AREA

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

- Soil Surface Textures: channery - loam
loam
- Surficial Soil Types: channery - loam
loam
- Shallow Soil Types: channery - loam
clay loam
- Deeper Soil Types: weathered bedrock
gravelly - clay loam
extremely channery - loam
loam
gravelly - 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.

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 |

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|--------|-------------|----------------------|
| A1 | USGS2943060 | 0 - 1/8 Mile SE |
| A2 | USGS2943061 | 0 - 1/8 Mile SW |
| 3 | USGS2943052 | 1/8 - 1/4 Mile SSW |
| B4 | USGS2943066 | 1/8 - 1/4 Mile West |
| 5 | USGS2943059 | 1/8 - 1/4 Mile East |
| 6 | USGS2943073 | 1/8 - 1/4 Mile WNW |
| B7 | USGS2943062 | 1/8 - 1/4 Mile West |
| 8 | USGS2943049 | 1/8 - 1/4 Mile South |
| 9 | USGS2943050 | 1/4 - 1/2 Mile SSW |
| 10 | USGS2942906 | 1/4 - 1/2 Mile NNE |
| 11 | USGS2942907 | 1/4 - 1/2 Mile NNW |
| 12 | USGS2942905 | 1/4 - 1/2 Mile NW |
| 13 | USGS2943040 | 1/4 - 1/2 Mile SSW |
| 14 | USGS2942908 | 1/4 - 1/2 Mile WNW |
| 15 | USGS2943056 | 1/4 - 1/2 Mile West |
| 16 | USGS2942912 | 1/2 - 1 Mile NW |
| 17 | USGS2943026 | 1/2 - 1 Mile SSW |
| 18 | USGS2942928 | 1/2 - 1 Mile NNW |
| 19 | USGS2943047 | 1/2 - 1 Mile WSW |
| 20 | USGS2943021 | 1/2 - 1 Mile South |
| 21 | USGS2942922 | 1/2 - 1 Mile NE |
| 22 | USGS2943079 | 1/2 - 1 Mile WNW |
| 23 | USGS2942938 | 1/2 - 1 Mile NNW |
| C24 | USGS2943017 | 1/2 - 1 Mile South |
| D25 | USGS2942917 | 1/2 - 1 Mile WNW |
| D26 | USGS2942916 | 1/2 - 1 Mile WNW |
| 27 | USGS2942926 | 1/2 - 1 Mile NW |
| 28 | USGS2943068 | 1/2 - 1 Mile West |
| C29 | USGS2943015 | 1/2 - 1 Mile South |
| E30 | USGS2942947 | 1/2 - 1 Mile NNE |
| 31 | USGS2943010 | 1/2 - 1 Mile South |
| 32 | USGS2943011 | 1/2 - 1 Mile South |
| 33 | USGS2943018 | 1/2 - 1 Mile SSW |
| E34 | USGS2942953 | 1/2 - 1 Mile NNE |
| F35 | USGS2942913 | 1/2 - 1 Mile WNW |
| 36 | USGS2942910 | 1/2 - 1 Mile WNW |
| 37 | USGS2943075 | 1/2 - 1 Mile West |
| 38 | USGS2943053 | 1/2 - 1 Mile West |
| F39 | USGS2942914 | 1/2 - 1 Mile WNW |
| 40 | USGS2942961 | 1/2 - 1 Mile North |
| 41 | USGS2942937 | 1/2 - 1 Mile NE |
| 42 | USGS2942965 | 1/2 - 1 Mile North |
| 43 | USGS2942927 | 1/2 - 1 Mile WNW |

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

| MAP ID | WELL ID | LOCATION FROM TP |
|---------------------|---------|---------------------|
| No PWS System Found | | |

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

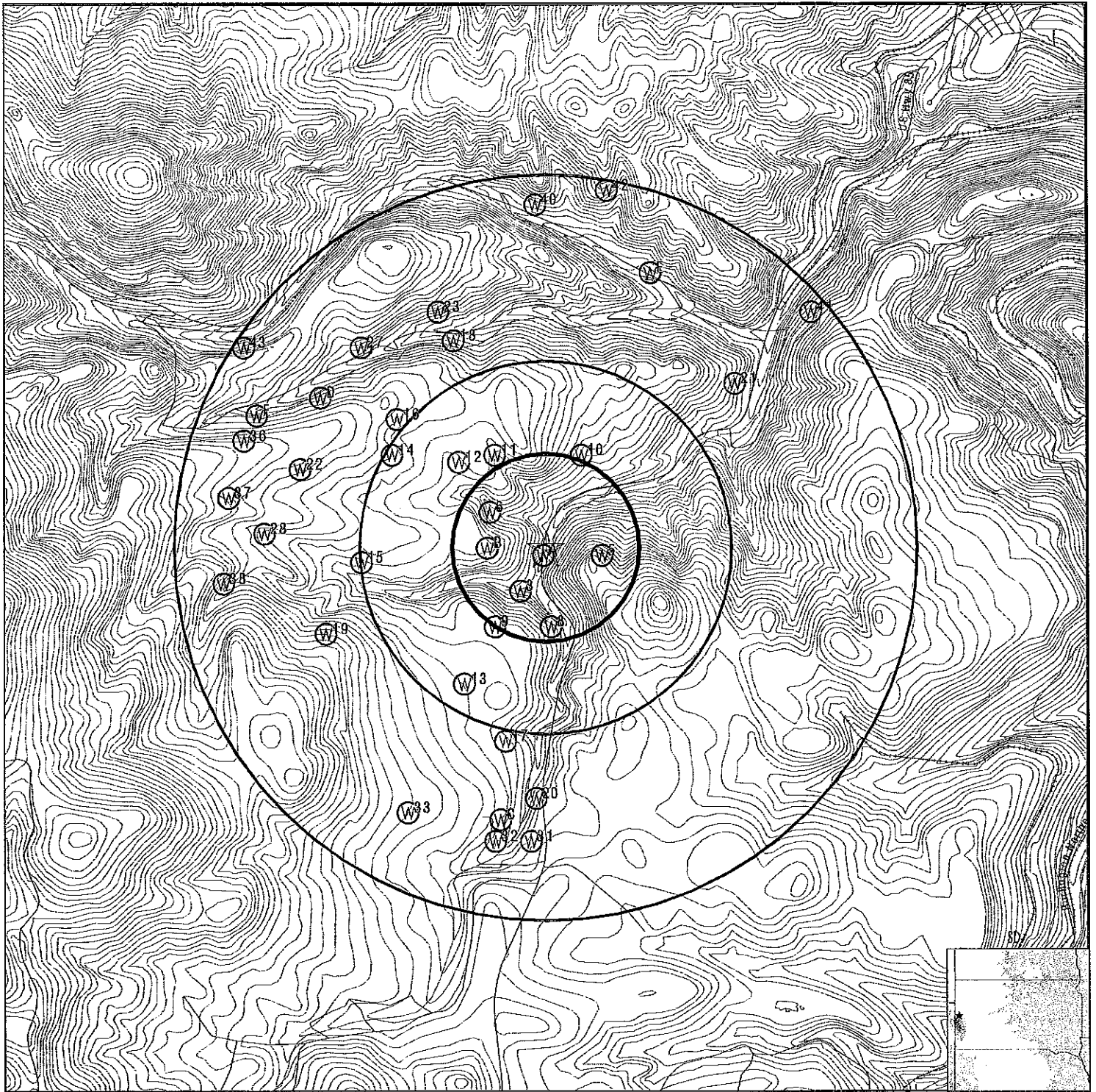
MAP ID

WELL ID

LOCATION
FROM TP

No Wells Found

PHYSICAL SETTING SOURCE MAP - 2620411.2s



- 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



| | |
|---|---|
| <p>SITE NAME: Wilderness Estates Parcel 1 ADDRESS: Parcel 1 Lead SD 57754 LAT/LONG: 44.3275 / 103.7991</p> | <p>CLIENT: American Technical Services CONTACT: Toni Whalin INQUIRY #: 2620411.2s DATE: October 21, 2009 5:21 pm</p> |
|---|---|

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A1
SE
0 - 1/8 Mile
Higher

FED USGS USGS2943060

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441938103475401 |
| Site name: | 4N 3E 7AACC | EDR Site id: | USGS2943060 |
| Latitude: | 441938 | Dec lat: | 44.32720651 |
| Longitude: | 1034754 | Coord meth: | M |
| Dec lon: | -103.79881098 | Latlong datum: | NAD27 |
| Coord accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SWNENES 7T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5568.49 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .1 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19870408 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | PRECAMBIAN ERATHEM | | |
| Well depth: | 42.5 | Hole depth: | 45. |
| Source of depth data: | driller | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | | |
| Daily flow data end date: | 0000-00-00 | Daily flow data begin date: | 0000-00-00 |
| Peak flow data begin date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data end date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |
| Peak flow data count: | 0 | Water quality data begin date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data count: | 0 |
| Ground water data begin date: | 1987-04-08 | Ground water data end date: | 1987-04-08 |
| Ground water data count: | 1 | | |

Ground-water levels, Number of Measurements: 1

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

1987-04-08 18.95

Note: The site had been pumped recently.

A2
SW
0 - 1/8 Mile
Higher

FED USGS USGS2943061

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441938103475701 |
| Site name: | 4N 3E 7AACB | EDR Site id: | USGS2943061 |
| Latitude: | 441938 | Dec lat: | 44.3272065 |
| Longitude: | 1034757 | Coor meth: | M |
| Dec lon: | -103.79964435 | Latlong datum: | NAD27 |
| Coor accr: | S | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SWNENES 7T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5550 | | |
| Altitude method: | Interpolated from topographic map | | |
| Altitude accuracy: | 20 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Upland draw | | |
| Site type: | Ground-water other than Spring | Date construction: | 19730818 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | DEADWOOD FORMATION(OUTCROP) | | |
| Well depth: | 40.0 | Hole depth: | 40.0 |
| Source of depth data: | Not Reported | | |
| Project number: | 5000SELSCH | | |
| 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: | 1988-11-03 |
| Water quality data end date: | 1988-11-03 | Water quality data count: | 1 |
| Ground water data begin date: | 1973-08-18 | Ground water data end date: | 1973-08-18 |
| Ground water data count: | 1 | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|--------------------|------------------|
| 1973-08-18 | 15.00 | |

3
SSW
1/8 - 1/4 Mile
Higher

FED USGS USGS2943052

| | | | |
|--------------------|---|-----------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441933103480001 |
| Site name: | 4N 3E 7ABDC | EDR Site id: | USGS2943052 |
| Latitude: | 441933 | Dec lat: | 44.32581762 |
| Longitude: | 1034800 | Coor meth: | M |
| Dec lon: | -103.80047772 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SENWNES 7T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5588.51 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .1 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19871222 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: TERITARY SYSTEM
 Well depth: 45 Hole depth: 60
 Source of depth data: geologist
 Project number: Not Reported
 Real time data flag: 0
 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00
 Peak flow data begin 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
 Ground water data begin date: 1987-12-22
 Ground water data end date: 1987-12-22
 Ground water data count: 1

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|--------------------|------------------|
| 1987-12-22 | 16 | |

B4
West
1/8 - 1/4 Mile
Higher

FED USGS USGS2943066

Agency cd: USGS Site no: 441940103480501
 Site name: 4N 3E 7ABAC
 Latitude: 441940 EDR Site id: USGS2943066
 Longitude: 1034805 Dec lat: 44.32776205
 Dec lon: -103.80186668 Coord meth: M
 Coord accur: F Latlong datum: NAD27
 Dec latlong datum: NAD83 District: 46
 State: 46 County: 081
 Country: US Land net: NENWNES 7T 4NR 3E
 Location map: LEAD Map scale: 24000
 Altitude: 5770
 Altitude method: Interpolated from topographic map
 Altitude accuracy: 20
 Altitude datum: National Geodetic Vertical Datum of 1929
 Hydrologic: Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi.
 Topographic: Not Reported
 Site type: Ground-water other than Spring Date construction: 19871220
 Date inventoried: Not Reported Mean greenwich time offset: MST
 Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: Not Reported
 Well depth: 196 Hole depth: 196
 Source of depth data: driller
 Project number: Not Reported
 Real time data flag: 0
 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00
 Peak flow data begin 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
 Ground water data begin date: 1987-12-20
 Ground water data end date: 1987-12-20
 Ground water data count: 1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|--------------------|------------------|
| 1987-12-20 | 195 | |

5
East
1/8 - 1/4 Mile
Higher

FED USGS USGS2943059

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441938103474401 |
| Site name: | 4N 3E 7AADC | EDR Site id: | USGS2943059 |
| Latitude: | 441938 | Dec lat: | 44.32720652 |
| Longitude: | 1034744 | Coor meth: | M |
| Dec lon: | -103.79603307 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SENESES 7T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5552.56 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .1 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19870616 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | PRECAMBIAN ERATHEM | | |
| Well depth: | 200. | Hole depth: | 200. |
| Source of depth data: | driller | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | Daily flow data begin date: | 0000-00-00 |
| Daily flow data end date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data begin date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |
| Peak flow data count: | 0 | Water quality data begin date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data count: | 0 |
| Ground water data begin date: | 1987-06-16 | Ground water data end date: | 1987-06-16 |
| Ground water data count: | 1 | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|--------------------|------------------|
| 1987-06-16 | 17.1 | |

6
WNW
1/8 - 1/4 Mile
Higher

FED USGS USGS2943073

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------------------------|---|-----------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441944103480601 |
| Site name: | 4N 3E 7ABAB | EDR Site id: | USGS2943073 |
| Latitude: | 441944 | Dec lat: | 44.32887316 |
| Longitude: | 1034806 | Coor meth: | M |
| Dec lon: | -103.80214447 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | NENWNES 3T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5639.86 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .01 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19871220 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | DEADWOOD FORMATION | | |
| Well depth: | 35 | Hole depth: | 35 |
| Source of depth data: | geologist | | |
| Project number: | Not Reported | | |
| Real time data flag: | Not Reported | | |
| Daily flow data end date: | Not Reported | | |
| Daily flow data begin date: | Not Reported | | |
| Peak flow data begin date: | Not Reported | | |
| Peak flow data count: | Not Reported | | |
| Water quality data end date: | Not Reported | | |
| Water quality data count: | Not Reported | | |
| Ground water data begin date: | Not Reported | | |
| Ground water data count: | Not Reported | | |

Ground-water levels, Number of Measurements: 0

B7
West
1/8 - 1/4 Mile
Higher

FED USGS USGS2943062

| | | | |
|--------------------|---|-----------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441938103480801 |
| Site name: | 4N 3E 7ABCD | EDR Site id: | USGS2943062 |
| Latitude: | 441938 | Dec lat: | 44.32720649 |
| Longitude: | 1034808 | Coor meth: | M |
| Dec lon: | -103.80270005 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SWNWNES 7T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5635.18 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .01 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19870408 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------------------------|--|--------------------------------|--------------|
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | TERTIARY SYSTEM | | |
| Well depth: | 62.3 | Hole depth: | 72. |
| Source of depth data: | driller | | |
| Project number: | Not Reported | | |
| Real time data flag: | Not Reported | | |
| Daily flow data begin date: | Not Reported | Daily flow data count: | Not Reported |
| Daily flow data end date: | Not Reported | Peak flow data begin date: | Not Reported |
| Peak flow data begin date: | Not Reported | Peak flow data end date: | Not Reported |
| Peak flow data count: | Not Reported | Water quality data begin date: | Not Reported |
| Water quality data end date: | Not Reported | Water quality data count: | Not Reported |
| Ground water data begin date: | Not Reported | Ground water data end date: | Not Reported |
| Ground water data count: | Not Reported | | |

Ground-water levels, Number of Measurements: 0

8
South
1/8 - 1/4 Mile
Higher

FED USGS USGS2943049

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441928103475401 |
| Site name: | 4N 3E 7ADBC | EDR Site id: | USGS2943049 |
| Latitude: | 441928 | Dec lat: | 44.32442874 |
| Longitude: | 1034754 | Coor meth: | M |
| Dec lon: | -103.79881097 | Laitlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | NWSENES 7T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5756.87 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .1 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19870409 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | TERTIARY SYSTEM | | |
| Well depth: | 198. | Hole depth: | 215. |
| Source of depth data: | Not Reported | | |
| Project number: | Not Reported | | |
| Real time data flag: | Not Reported | | |
| Daily flow data begin date: | Not Reported | Daily flow data count: | Not Reported |
| Daily flow data end date: | Not Reported | Peak flow data begin date: | Not Reported |
| Peak flow data begin date: | Not Reported | Peak flow data end date: | Not Reported |
| Peak flow data count: | Not Reported | Water quality data begin date: | Not Reported |
| Water quality data end date: | Not Reported | Water quality data count: | Not Reported |
| Ground water data begin date: | Not Reported | Ground water data end date: | Not Reported |
| Ground water data count: | Not Reported | | |

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

9
SSW
1/4 - 1/2 Mile
Higher

FED USGS USGS2943050

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441928103480501 |
| Site name: | 4N 3E 7ACAA | | |
| Latitude: | 441928 | EDR Site id: | USGS2943050 |
| Longitude: | 1034805 | Dec lat: | 44.32442872 |
| Dec lon: | -103.80186667 | Coor meth: | M |
| Coor accr: | M | Latlong datum: | NAD27 |
| Dec latlong datum: | NAD83 | District: | 46 |
| State: | 46 | County: | 081 |
| Country: | US | Land net: | NESWNES 7T 4NR 3E |
| Location map: | LEAD | Map scale: | 24000 |
| Altitude: | 5756.80 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .01 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19870409 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | TERTIARY SYSTEM | | |
| Well depth: | 195 | Hole depth: | 195 |
| Source of depth data: | geologist | | |
| Project number: | Not Reported | | |
| Real time data flag: | Not Reported | | |
| Daily flow data end date: | Not Reported | Daily flow data begin date: | Not Reported |
| Peak flow data begin date: | Not Reported | Daily flow data count: | Not Reported |
| Peak flow data end date: | Not Reported | Peak flow data end date: | Not Reported |
| Peak flow data count: | Not Reported | Water quality data begin date: | Not Reported |
| Water quality data end date: | Not Reported | Water quality data count: | Not Reported |
| Ground water data begin date: | Not Reported | Ground water data end date: | Not Reported |
| Ground water data count: | Not Reported | | |

Ground-water levels, Number of Measurements: 0

10
NNE
1/4 - 1/2 Mile
Higher

FED USGS USGS2942906

| | | | |
|--------------------|---------------|----------------|-----------------|
| Agency cd: | USGS | Site no: | 441952103474801 |
| Site name: | 4N 3E 6DD | | |
| Latitude: | 441952 | EDR Site id: | USGS2942906 |
| Longitude: | 1034748 | Dec lat: | 44.33109539 |
| Dec lon: | -103.79714425 | Coor meth: | M |
| Coor accr: | M | Latlong datum: | NAD27 |
| Dec latlong datum: | NAD83 | District: | 46 |
| State: | 46 | County: | 081 |
| Country: | US | Land net: | Not Reported |
| Location map: | LEAD | Map scale: | 24000 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude: 5620
 Altitude method: Reported
 Altitude accuracy: 111
 Altitude datum: National Geodetic Vertical Datum of 1929
 Hydrologic: Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi.
 Topographic: Not Reported
 Site type: Ground-water other than Spring Date construction: Not Reported
 Date inventoried: Not Reported Mean greenwich time offset: MST
 Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: Not Reported
 Well depth: Not Reported Hole depth: Not Reported
 Source of depth data: Not Reported
 Project number: SWUDS
 Real time data flag: Not Reported Daily flow data begin date: Not Reported
 Daily flow data end date: Not Reported Daily flow data count: Not Reported
 Peak flow data begin date: Not Reported Peak flow data end date: Not Reported
 Peak flow data count: Not Reported Water quality data begin date: Not Reported
 Water quality data end date: Not Reported Water quality data count: Not Reported
 Ground water data begin date: Not Reported Ground water data end date: Not Reported
 Ground water data count: Not Reported

Ground-water levels, Number of Measurements: 0

11
NNW
1/4 - 1/2 Mile
Higher

FED USGS USGS2942907

| | | | |
|----------------------------|---|-----------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441952103480501 |
| Site name: | 4N 3E 6DCAC | EDR Site id: | USGS2942907 |
| Latitude: | 441952 | Dec lat: | 44.33109537 |
| Longitude: | 1034805 | Coor meth: | M |
| Dec lon: | -103.80186669 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | NESWSES 6T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5767.60 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .01 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19871219 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | DEADWOOD FORMATION | | |
| Well depth: | 245 | Hole depth: | 265 |
| Source of depth data: | geologist | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | Daily flow data begin date: | 0000-00-00 |
| Daily flow data end date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data begin date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0
 Water quality data end date: 0000-00-00
 Ground water data begin date: 1987-12-19
 Ground water data count: 1

Water quality data begin date: 0000-00-00
 Water quality data count: 0
 Ground water data end date: 1987-12-19

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|--------------------|------------------|
| 1987-12-19 | 131 | |

12
NW
 1/4 - 1/2 Mile
 Higher

FED USGS USGS2942905

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441951103481201 |
| Site name: | 4N 3E 6DCCC | EDR Site id: | USGS2942905 |
| Latitude: | 441951 | Dec lat: | 44.33081759 |
| Longitude: | 1034812 | Coor meth: | M |
| Dec lon: | -103.80381122 | Lattlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec lattlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SWSWSES 6T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5750. | | |
| Altitude method: | Interpolated from topographic map | | |
| Altitude accuracy: | 20 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19861031 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | Not Reported | | |
| Well depth: | 22. | Hole depth: | 22. |
| Source of depth data: | driller | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | | |
| Daily flow data end date: | 0000-00-00 | Daily flow data begin date: | 0000-00-00 |
| Peak flow data begin date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data count: | 0 | Peak flow data end date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data begin date: | 0000-00-00 |
| Ground water data begin date: | 1986-10-31 | Water quality data count: | 0 |
| Ground water data count: | 1 | Ground water data end date: | 1986-10-31 |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|--------------------|------------------|
| 1986-10-31 | 15.98 | |

13
SSW
 1/4 - 1/2 Mile
 Higher

FED USGS USGS2943040

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------------------------|---|--------------------------------|------------------|
| Agency cd: | USGS | Site no: | 441920103481101 |
| Site name: | 4N 3E 7ACB | EDR Site id: | USGS2943040 |
| Latitude: | 441920 | Dec lat: | 44.3222065 |
| Longitude: | 1034811 | Coor meth: | M |
| Dec lon: | -103.8035334 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | NWSWNE 7T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5764.18 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .01 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Flat surface | | |
| Site type: | Ground-water other than Spring | Date construction: | 19860527 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | PRECAMBIAN ERATHEM | | |
| Well depth: | 275. | Hole depth: | 275. |
| Source of depth data: | driller | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | Daily flow data begin date: | 0000-00-00 |
| Daily flow data end date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data begin date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |
| Peak flow data count: | 0 | Water quality data begin date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data count: | 0 |
| Ground water data begin date: | 1986-05-27 | Ground water data end date: | 1986-05-27 |
| Ground water data count: | 1 | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| ----- | | |
| 1986-05-27 | 197 | |

14
WNW
1/4 - 1/2 Mile
Higher

FED USGS USGS2942908

| | | | |
|--------------------|---|-----------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441952103482501 |
| Site name: | 4N 3E 6CDDB | EDR Site id: | USGS2942908 |
| Latitude: | 441952 | Dec lat: | 44.33109535 |
| Longitude: | 1034825 | Coor meth: | M |
| Dec lon: | -103.8074225 | Latlong datum: | NAD27 |
| Coor accr: | M | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SESESWS 6T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5840.93 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .1 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19871218 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: DEADWOOD FORMATION
 Well depth: 325 Hole depth: 325
 Source of depth data: geologist
 Project number: Not Reported
 Real time data flag: 0 Daily flow data begin date: 0000-00-00
 Daily flow data end date: 0000-00-00 Daily flow data count: 0
 Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
 Peak flow data count: 0 Water quality data begin date: 0000-00-00
 Water quality data end date: 0000-00-00 Water quality data count: 0
 Ground water data begin date: 1987-12-18 Ground water data end date: 1987-12-18
 Ground water data count: 1

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| 1987-12-18 | 250 | |

**15
West
1/4 - 1/2 Mile
Higher**

FED USGS USGS2943056

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441937103483101 |
| Site name: | 4N 3E 7BACB | EDR Site id: | USGS2943056 |
| Latitude: | 441937 | Dec lat: | 44.32692869 |
| Longitude: | 1034831 | Coor meth: | M |
| Dec lon: | -103.80908923 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SWNENWS 7T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5776.63 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .01 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19871220 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | DEADWOOD FORMATION | | |
| Well depth: | 300 | Hole depth: | 300 |
| Source of depth data: | geologist | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | | |
| Daily flow data end date: | 0000-00-00 | Daily flow data begin 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 end date: | 0000-00-00 | Water quality data begin date: | 0000-00-00 |
| Water quality data count: | 0 | | |
| Ground water data begin date: | 1987-12-20 | Ground water data end date: | 1987-12-20 |
| Ground water data count: | 1 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| 1987-12-20 | 199 | |

**16
NW
1/2 - 1 Mile
Higher**

FED USGS USGS2942912

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441957103482401 |
| Site name: | 4N 3E 6CDAB | EDR Site id: | USGS2942912 |
| Latitude: | 441957 | Dec lat: | 44.33248424 |
| Longitude: | 1034824 | Coor meth: | M |
| Dec lon: | -103.80714471 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | NESESWS 6T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5844.96 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .1 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19871217 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | TERTIARY SYSTEM | | |
| Well depth: | 285 | Hole depth: | 285 |
| Source of depth data: | logs | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | Daily flow data begin date: | 0000-00-00 |
| Daily flow data end date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data begin date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |
| Peak flow data count: | 0 | Water quality data begin date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data count: | 0 |
| Ground water data begin date: | 1987-12-17 | Ground water data end date: | 1987-12-17 |
| Ground water data count: | 1 | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| 1987-12-17 | 220 | |

**17
SSW
1/2 - 1 Mile
Higher**

FED USGS USGS2943026

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441912103480301 |
| Site name: | 4N 3E 7DBDC | EDR Site id: | USGS2943026 |
| Latitude: | 441912 | Dec lat: | 44.31998429 |
| Longitude: | 1034803 | Coor meth: | M |
| Dec lon: | -103.80131107 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SENWSES 7T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | MC LAUGHLIN SW | | |
| Altitude: | 5771.51 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .1 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19870615 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | PRECAMBIAN ERATHEM | | |
| Well depth: | 300. | Hole depth: | 300. |
| Source of depth data: | driller | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | | |
| Daily flow data end date: | 0000-00-00 | Daily flow data begin date: | 0000-00-00 |
| Peak flow data begin date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data count: | 0 | Peak flow data end date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data begin date: | 0000-00-00 |
| Ground water data begin date: | 1987-06-15 | Water quality data count: | 0 |
| Ground water data count: | 1 | Ground water data end date: | 1987-06-15 |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| ----- | | |
| 1987-06-15 | 210 | |

**18
NNW
1/2 - 1 Mile
Higher**

FED USGS USGS2942928

| | | | |
|--------------------|---|-----------------------------|-----------------|
| Agency cd: | USGS | Site no: | 442008103481301 |
| Site name: | 4N 3E 6X | EDR Site id: | USGS2942928 |
| Latitude: | 442008 | Dec lat: | 44.3355398 |
| Longitude: | 1034813 | Coor meth: | G |
| Dec lon: | -103.80408903 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | Not Reported |
| Country: | US | Map scale: | Not Reported |
| Location map: | Not Reported | | |
| Altitude: | Not Reported | | |
| Altitude method: | Not Reported | | |
| Altitude accuracy: | Not Reported | | |
| Altitude datum: | Not Reported | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | Not Reported |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------------------------|--|--------------------------------|--------------|
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | PRECAMBIAN ERATHEM | | |
| Well depth: | Not Reported | Hole depth: | Not Reported |
| Source of depth data: | Not Reported | | |
| Project number: | 464600700 | | |
| Real time data flag: | Not Reported | Daily flow data begin date: | Not Reported |
| Daily flow data end date: | Not Reported | Daily flow data count: | Not Reported |
| Peak flow data begin date: | Not Reported | Peak flow data end date: | Not Reported |
| Peak flow data count: | Not Reported | Water quality data begin date: | Not Reported |
| Water quality data end date: | Not Reported | Water quality data count: | Not Reported |
| Ground water data begin date: | Not Reported | Ground water data end date: | Not Reported |
| Ground water data count: | Not Reported | | |

Ground-water levels, Number of Measurements: 0

19
WSW
1/2 - 1 Mile
Higher

FED USGS USGS2943047

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441927103483801 |
| Site name: | 4N 3E 7BCD | EDR Site id: | USGS2943047 |
| Latitude: | 441927 | Dec lat: | 44.32415091 |
| Longitude: | 1034838 | Coor meth: | M |
| Dec lon: | -103.81103376 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SESWNWS 7T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5799.79 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .1 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Hillside (slope) | | |
| Site type: | Ground-water other than Spring | Date construction: | 19860530 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | PRECAMBIAN ERATHEM | | |
| Well depth: | 310. | Hole depth: | 310. |
| Source of depth data: | driller | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | Daily flow data begin date: | 0000-00-00 |
| Daily flow data end date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data begin date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |
| Peak flow data count: | 0 | Water quality data begin date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data count: | 0 |
| Ground water data begin date: | 1986-05-30 | Ground water data end date: | 1986-05-30 |
| Ground water data count: | 1 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|--------------------|------------------|
| 1986-05-30 | 200 | |

20
South
1/2 - 1 Mile
Higher

FED USGS USGS2943021

| | | | |
|-------------------------------|---|--------------------------------|-----------------|
| Agency cd: | USGS | Site no: | 441904103475701 |
| Site name: | 4N 3E 7DC (2) | EDR Site id: | USGS2943021 |
| Latitude: | 441904 | Dec lat: | 44.31776208 |
| Longitude: | 1034757 | Coor meth: | M |
| Dec lon: | -103.79964432 | Latlong datum: | NAD27 |
| Coor accr: | M | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SWSES 7T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | MC LAUGHLIN | | |
| Altitude: | 5760 | | |
| Altitude method: | Reported | | |
| Altitude accuracy: | 111 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | Not Reported |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | Not Reported | | |
| Well depth: | Not Reported | Hole depth: | Not Reported |
| Source of depth data: | Not Reported | | |
| Project number: | SWUDS | | |
| Real time data flag: | Not Reported | Daily flow data begin date: | Not Reported |
| Daily flow data end date: | Not Reported | Daily flow data count: | Not Reported |
| Peak flow data begin date: | Not Reported | Peak flow data end date: | Not Reported |
| Peak flow data count: | Not Reported | Water quality data begin date: | Not Reported |
| Water quality data end date: | Not Reported | Water quality data count: | Not Reported |
| Ground water data begin date: | Not Reported | Ground water data end date: | Not Reported |
| Ground water data count: | Not Reported | | |

Ground-water levels, Number of Measurements: 0

21
NE
1/2 - 1 Mile
Lower

FED USGS USGS2942922

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 442002103471801 |
| Site name: | 4N 3E 5CAC | EDR Site id: | USGS2942922 |
| Latitude: | 442002 | Dec lat: | 44.3338732 |
| Longitude: | 1034718 | Coor meth: | M |
| Dec lon: | -103.78881054 | Latlong datum: | NAD27 |
| Coor accr: | T | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SWNESWS 5T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5400 | | |
| Altitude method: | Interpolated from topographic map | | |
| Altitude accuracy: | 60 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19890921 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Unconfined single aquifer | | |
| Aquifer: | PRECAMBIAN ERATHEM | | |
| Well depth: | 308 | Hole depth: | 308 |
| Source of depth data: | driller | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | | |
| Daily flow data end date: | 0000-00-00 | Daily flow data begin date: | 0000-00-00 |
| Peak flow data begin date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data count: | 0 | Peak flow data end date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data begin date: | 0000-00-00 |
| Ground water data begin date: | 1989-09-21 | Water quality data count: | 0 |
| Ground water data count: | 1 | Ground water data end date: | 1989-09-21 |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| 1989-09-21 | 10 | |

22
WNW
1/2 - 1 Mile
Higher

FED USGS USGS2943079

| | | | |
|--------------------|---|-----------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441950103484301 |
| Site name: | 4N 3E 6CCDB | EDR Site id: | USGS2943079 |
| Latitude: | 441950 | Dec lat: | 44.33053978 |
| Longitude: | 1034843 | Coor meth: | M |
| Dec lon: | -103.81242273 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SESWSWS 6T 4NR 2E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5911.75 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .01 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19871218 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: DEADWOOD FORMATION
 Well depth: 345 Hole depth: 345
 Source of depth data: geologist
 Project number: Not Reported
 Real time data flag: 0
 Daily flow data end date: 0000-00-00
 Peak flow data begin date: 0000-00-00
 Peak flow data count: 0
 Water quality data end date: 0000-00-00
 Ground water data begin date: 1987-12-18
 Ground water data count: 1

Daily flow data begin date: 0000-00-00
 Daily flow data count: 0
 Peak flow data end date: 0000-00-00
 Water quality data begin date: 0000-00-00
 Water quality data count: 0
 Ground water data end date: 1987-12-18

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|--------------------|------------------|
| 1987-12-18 | 310 | |

23
NNW
1/2 - 1 Mile
Higher

FED USGS USGS2942938

Agency cd: USGS Site no: 442012103481601
 Site name: 4N 3E 6
 Latitude: 442012 EDR Site id: USGS2942938
 Longitude: 1034816 Dec lat: 44.3366509
 Dec lon: -103.8049224 Coord meth: M
 Coord acc: M Latlong datum: NAD27
 Dec latlong datum: NAD83 District: 46
 State: 46 County: 081
 Country: US Land net: S 6T 4NR 3E
 Location map: LEAD Map scale: 24000
 Altitude: 5700
 Altitude method: Interpolated from topographic map
 Altitude accuracy: 100
 Altitude datum: National Geodetic Vertical Datum of 1929
 Hydrologic: Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi.
 Topographic: Not Reported
 Site type: Ground-water other than Spring Date construction: 19730811
 Date inventoried: Not Reported Mean greenwch time offset: MST
 Local standard time flag: Y
 Type of ground water site: Single well, other than collector or Ranney type
 Aquifer Type: Not Reported
 Aquifer: PRECAMBIAN ERATHEM
 Well depth: 50.0 Hole depth: 50.0
 Source of depth data: Not Reported
 Project number: Not Reported
 Real time data flag: 0
 Daily flow data begin date: 0000-00-00
 Peak flow data begin date: 0000-00-00
 Peak flow data count: 0
 Water quality data end date: 0000-00-00
 Ground water data begin date: 1973-08-11
 Ground water data count: 1

Daily flow data begin date: 0000-00-00
 Daily flow data count: 0
 Peak flow data end date: 0000-00-00
 Water quality data begin date: 0000-00-00
 Water quality data count: 0
 Ground water data end date: 1973-08-11

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| 1973-08-11 | 28.00 | |

C24
South
1/2 - 1 Mile
Higher

FED USGS USGS2943017

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441902103480301 |
| Site name: | 4N 3E 7DCDB | | |
| Latitude: | 441902 | EDR Site id: | USGS2943017 |
| Longitude: | 1034803 | Dec lat: | 44.31720652 |
| Dec lon: | -103.80131106 | Coor meth: | M |
| Coor accr: | F | Latlong datum: | NAD27 |
| Dec latlong datum: | NAD83 | District: | 46 |
| State: | 46 | County: | 081 |
| Country: | US | Land net: | SESWSES 7T 4NR 3E |
| Location map: | MC LAUGHLIN | Map scale: | 24000 |
| Altitude: | 5794.29 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .1 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19870610 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | TERTIARY SYSTEM | | |
| Well depth: | 65. | Hole depth: | 65. |
| Source of depth data: | driller | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | Daily flow data begin date: | 0000-00-00 |
| Daily flow data end date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data begin date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |
| Peak flow data count: | 0 | Water quality data begin date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data count: | 0 |
| Ground water data begin date: | 1987-06-10 | Ground water data end date: | 1987-06-10 |
| Ground water data count: | 1 | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| 1987-06-10 | 11 | |

D25
WNW
1/2 - 1 Mile
Higher

FED USGS USGS2942917

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 442000103483902 |
| Site name: | 4N 3E 6CBD | EDR Site id: | USGS2942917 |
| Latitude: | 442000 | Dec lat: | 44.33331755 |
| Longitude: | 1034839 | Coord meth: | M |
| Dec lon: | -103.81131158 | Latlong datum: | NAD27 |
| Coord accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SENWSWS 6T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5823.13 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .1 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19871217 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | DEADWOOD FORMATION | | |
| Well depth: | 235 | Hole depth: | 235 |
| Source of depth data: | logs | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | | |
| Daily flow data end date: | 0000-00-00 | Daily flow data begin date: | 0000-00-00 |
| Peak flow data begin date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data count: | 0 | Peak flow data end date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data begin date: | 0000-00-00 |
| Ground water data begin date: | 1987-12-17 | Water quality data count: | 0 |
| Ground water data count: | 1 | Ground water data end date: | 1987-12-17 |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| ----- | | |
| 1987-12-17 | 212 | |

D26
WNW
1/2 - 1 Mile
Higher

FED USGS USGS2942916

| | | | |
|--------------------|---|-----------------------------|-------------------|
| Agency cd: | USGS | Site no: | 442000103483901 |
| Site name: | 4N 3E 6CBDC | EDR Site id: | USGS2942916 |
| Latitude: | 442000 | Dec lat: | 44.33331755 |
| Longitude: | 1034839 | Coord meth: | M |
| Dec lon: | -103.81131158 | Latlong datum: | NAD27 |
| Coord accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SENWSWS 6T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | MEDARY | | |
| Altitude: | 5768.11 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .1 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19871221 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------------------------|--|--------------------------------|--------------|
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | PRECAMBIAN ERATHEM | | |
| Well depth: | 160 | Hole depth: | 160 |
| Source of depth data: | geologist | | |
| Project number: | Not Reported | | |
| Real time data flag: | Not Reported | Daily flow data begin date: | Not Reported |
| Daily flow data end date: | Not Reported | Daily flow data count: | Not Reported |
| Peak flow data begin date: | Not Reported | Peak flow data end date: | Not Reported |
| Peak flow data count: | Not Reported | Water quality data begin date: | Not Reported |
| Water quality data end date: | Not Reported | Water quality data count: | Not Reported |
| Ground water data begin date: | Not Reported | Ground water data end date: | Not Reported |
| Ground water data count: | Not Reported | | |

Ground-water levels, Number of Measurements: 0

27
NW
1/2 - 1 Mile
Higher

FED USGS USGS2942926

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 442007103483101 |
| Site name: | 4N 3E 6CACB | EDR Site id: | USGS2942926 |
| Latitude: | 442007 | Dec lat: | 44.335262 |
| Longitude: | 1034831 | Coor meth: | M |
| Dec lon: | -103.80908926 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec lalong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SWNESWS 6T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5672.21 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .1 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19870408 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | TERITARY SYSTEM | | |
| Well depth: | 21.3 | Hole depth: | 25. |
| Source of depth data: | driller | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | Daily flow data begin date: | 0000-00-00 |
| Daily flow data end date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data begin date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |
| Peak flow data count: | 0 | Water quality data begin date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data count: | 0 |
| Ground water data begin date: | 1987-04-08 | Ground water data end date: | 1987-04-08 |
| Ground water data count: | 1 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|--------------------|------------------|
| 1987-04-08 | 6.6 | |

28
West
1/2 - 1 Mile
Higher

FED USGS USGS2943068

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441941103485001 |
| Site name: | 4N 3E 7BBBC | | |
| Latitude: | 441941 | EDR Site id: | USGS2943068 |
| Longitude: | 1034850 | Dec lat: | 44.32803978 |
| Dec lon: | -103.81436726 | Coor meth: | M |
| Coor accr: | F | Latlong datum: | NAD27 |
| Dec latlong datum: | NAD83 | District: | 46 |
| State: | 46 | County: | 081 |
| Country: | US | Land net: | NWNWNWS 7T 4NR 3E |
| Location map: | LEAD | Map scale: | 24000 |
| Altitude: | 5860. | | |
| Altitude method: | Interpolated from topographic map | | |
| Altitude accuracy: | 60 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19861100 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | TERTIARY SYSTEM | | |
| Well depth: | 42.2 | Hole depth: | 45. |
| Source of depth data: | driller | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | Daily flow data begin date: | 0000-00-00 |
| Daily flow data end date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data begin date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |
| Peak flow data count: | 0 | Water quality data begin date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data count: | 0 |
| Ground water data begin date: | 1986-11-01 | Ground water data end date: | 1986-11-01 |
| Ground water data count: | 1 | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|--------------------|------------------|
| 1986-11-01 | 12.94 | |

C29
South
1/2 - 1 Mile
Higher

FED USGS USGS2943015

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441900103480501 |
| Site name: | 4N 3E 7DCAC | EDR Site id: | USGS2943015 |
| Latitude: | 441900 | Dec lat: | 44.31665097 |
| Longitude: | 1034805 | Coord meth: | M |
| Dec lon: | -103.80186664 | Latlong datum: | NAD27 |
| Coord accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | NESWSES 7T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | MC LAUGHLIN | | |
| Altitude: | 5827.37 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .01 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19880223 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | TERTIARY SYSTEM | | |
| Well depth: | 304 | Hole depth: | 355 |
| Source of depth data: | geologist | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | | |
| Daily flow data end date: | 0000-00-00 | Daily flow data begin date: | 0000-00-00 |
| Peak flow data begin date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data count: | 0 | Peak flow data end date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data begin date: | 0000-00-00 |
| Ground water data begin date: | 1988-02-23 | Water quality data count: | 0 |
| Ground water data count: | 1 | Ground water data end date: | 1988-02-23 |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| ----- | | |
| 1988-02-23 | 205 | |

E30
NNE
1/2 - 1 Mile
Lower

FED USGS USGS2942947

| | | | |
|--------------------|---|-----------------------------|-------------------|
| Agency cd: | USGS | Site no: | 442016103473401 |
| Site name: | 4N 3E 5BCBC | EDR Site id: | USGS2942947 |
| Latitude: | 442016 | Dec lat: | 44.33776206 |
| Longitude: | 1034734 | Coord meth: | M |
| Dec lon: | -103.7932552 | Latlong datum: | NAD27 |
| Coord accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | NWSWNWS 5T 4NR 3E |
| Country: | US | Map scale: | Not Reported |
| Location map: | Not Reported | | |
| Altitude: | 5400 | | |
| Altitude method: | Reported | | |
| Altitude accuracy: | 50 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | Not Reported |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------------------------|--|--------------------------------|--------------|
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | PRECAMBIAN ERATHEM | | |
| Well depth: | 32.8 | Hole depth: | Not Reported |
| Source of depth data: | Not Reported | | |
| Project number: | NUREDATA | | |
| 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: | 1979-10-08 |
| Water quality data end date: | 1979-10-08 | Water quality data count: | 1 |
| Ground water data begin date: | 0000-00-00 | Ground water data end date: | 0000-00-00 |
| Ground water data count: | 0 | | |

Ground-water levels, Number of Measurements: 0

31
South
1/2 - 1 Mile
Higher

FED USGS USGS2943010

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441858103475801 |
| Site name: | 4N 3E 7DCDD | EDR Site id: | USGS2943010 |
| Latitude: | 441858 | Dec lat: | 44.31609542 |
| Longitude: | 1034758 | Coor meth: | M |
| Dec lon: | -103.79992211 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SESWSES 7T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | MC LAUGHLIN | | |
| Altitude: | 5792.51 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .1 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19870408 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | DEADWOOD FORMATION | | |
| Well depth: | 14.1 | Hole depth: | 25. |
| Source of depth data: | driller | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | Daily flow data begin date: | 0000-00-00 |
| Daily flow data end date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data begin date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |
| Peak flow data count: | 0 | Water quality data begin date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data count: | 0 |
| Ground water data begin date: | 1987-04-08 | Ground water data end date: | 1987-04-08 |
| Ground water data count: | 1 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| ----- | | |
| 1987-04-08 | 5.75 | |

Note: The site had been pumped recently.

32
South
1/2 - 1 Mile
Higher

FED USGS USGS2943011

| | | | |
|-------------------------------|---|--------------------------------|--------------------|
| Agency cd: | USGS | Site no: | 441858103480501 |
| Site name: | 4N 3E 7DC | | |
| Latitude: | 441858 | EDR Site id: | USGS2943011 |
| Longitude: | 1034805 | Dec lat: | 44.31609541 |
| Dec lon: | -103.80186664 | Coor meth: | M |
| Coor accr: | T | Latlong datum: | NAD27 |
| Dec latlong datum: | NAD83 | District: | 46 |
| State: | 46 | County: | 081 |
| Country: | US | Land net: | SWSE S 7 T 4N R 3E |
| Location map: | MC LAUGHLIN | Map scale: | 24000 |
| Altitude: | 5800 | | |
| Altitude method: | Interpolated from topographic map | | |
| Altitude accuracy: | 40 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Hillside (slope) | | |
| Site type: | Ground-water other than Spring | Date construction: | 19900703 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | DEADWOOD FORMATION(OUTCROP) | | |
| Well depth: | 336 | Hole depth: | 336 |
| Source of depth data: | driller | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | Daily flow data begin date: | 0000-00-00 |
| Daily flow data end date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data begin date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |
| Peak flow data count: | 0 | Water quality data begin date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data count: | 0 |
| Ground water data begin date: | 1990-07-03 | Ground water data end date: | 1990-07-03 |
| Ground water data count: | 1 | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| ----- | | |
| 1990-07-03 | 264 | |

33
SSW
1/2 - 1 Mile
Higher

FED USGS USGS2943018

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441902103482201 |
| Site name: | 4N 3E 7CDA | EDR Site id: | USGS2943018 |
| Latitude: | 441902 | Dec lat: | 44.3172065 |
| Longitude: | 1034822 | Coor meth: | M |
| Dec lon: | -103.80658909 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | NESESWS 7T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | MC LAUGHLIN | | |
| Altitude: | 5879.18 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .01 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Hillside (slope) | | |
| Site type: | Ground-water other than Spring | Date construction: | 19860603 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | PRECAMBIAN ERATHEM | | |
| Well depth: | 185. | Hole depth: | 185. |
| Source of depth data: | driller | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | Daily flow data begin date: | 0000-00-00 |
| Daily flow data end date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data begin date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |
| Peak flow data count: | 0 | Water quality data begin date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data count: | 0 |
| Ground water data begin date: | 1986-06-03 | Ground water data end date: | 1986-06-03 |
| Ground water data count: | 1 | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| ----- | | |
| 1986-06-03 | 77 | |

E34
NNE
1/2 - 1 Mile
Lower

FED USGS USGS2942953

| | | | |
|--------------------|---|-----------------------------|-------------------|
| Agency cd: | USGS | Site no: | 442019103473501 |
| Site name: | 4N 3E 5BCBD | EDR Site id: | USGS2942953 |
| Latitude: | 442019 | Dec lat: | 44.33859539 |
| Longitude: | 1034735 | Coor meth: | M |
| Dec lon: | -103.79353299 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | NWSWNWS 5T 4NR 3E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5420 | | |
| Altitude method: | Interpolated from topographic map | | |
| Altitude accuracy: | 20 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Upland draw | | |
| Site type: | Ground-water other than Spring | Date construction: | 19780519 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: PRECAMBIAN ERATHEM
Well depth: 100 Hole depth: 100
Source of depth data: Not Reported
Project number: Not Reported
Real time data flag: 0
Daily flow data end date: 0000-00-00 Daily flow data begin 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: 1978-05-19 Ground water data end date: 1978-05-19
Ground water data count: 1

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| 1978-05-19 | 30.00 | |

**F35
WNW
1/2 - 1 Mile
Higher**

FED USGS USGS2942913

Agency cd: USGS Site no: 441957103485001
Site name: 4N 3E 6CCBB
Latitude: 441957 EDR Site id: USGS2942913
Longitude: 1034850 Dec lat: 44.33248421
Dec lon: -103.81436727 Coord meth: M
Coord acc: F Latlong datum: NAD27
Dec latlong datum: NAD83 District: 46
State: 46 County: 081
Country: US Land net: NWSWSWS 6T 4NR 3E
Location map: LEAD Map scale: 24000
Altitude: 5812.24
Altitude method: Level or other surveying method
Altitude accuracy: .01
Altitude datum: National Geodetic Vertical Datum of 1929
Hydrologic: Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi.
Topographic: Not Reported
Site type: Ground-water other than Spring Date construction: 19861100
Date inventoried: Not Reported Mean greenwich time offset: MST
Local standard time flag: Y
Type of ground water site: Single well, other than collector or Ranney type
Aquifer Type: Not Reported
Aquifer: TERITARY SYSTEM
Well depth: 71.65 Hole depth: 85.
Source of depth data: driller
Project number: Not Reported
Real time data flag: 0
Daily flow data begin date: 0000-00-00
Daily flow data end date: 0000-00-00 Daily flow data count: 0
Peak flow data begin date: 0000-00-00 Peak flow data end date: 0000-00-00
Peak flow data count: 0
Water quality data begin date: 0000-00-00
Water quality data end date: 0000-00-00 Water quality data count: 0
Ground water data begin date: 1986-11-01 Ground water data end date: 1986-11-01
Ground water data count: 1

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| 1986-11-01 | 37.18 | |

36
WNW
1/2 - 1 Mile
Higher

FED USGS USGS2942910

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441954103485401 |
| Site name: | 4N 2E 1DDDA | EDR Site id: | USGS2942910 |
| Latitude: | 441954 | Dec lat: | 44.33165087 |
| Longitude: | 1034854 | Coor meth: | M |
| Dec lon: | -103.81547843 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SESESES 1T 4NR 2E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5990. | | |
| Altitude method: | Interpolated from topographic map | | |
| Altitude accuracy: | 20 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19861130 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | Not Reported | | |
| Well depth: | 325.2 | Hole depth: | 365. |
| Source of depth data: | driller | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | Daily flow data begin date: | 0000-00-00 |
| Daily flow data end date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data begin date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |
| Peak flow data count: | 0 | Water quality data begin date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data count: | 0 |
| Ground water data begin date: | 1986-11-30 | Ground water data end date: | 1986-11-30 |
| Ground water data count: | 1 | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| 1986-11-30 | 320.75 | |

37
West
1/2 - 1 Mile
Higher

FED USGS USGS2943075

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441946103485701 |
| Site name: | 4N 2E 1DDDC | EDR Site id: | USGS2943075 |
| Latitude: | 441946 | Dec lat: | 44.32942865 |
| Longitude: | 1034857 | Coor meth: | M |
| Dec lon: | -103.8163118 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SESESES 1T 4NR 2E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5960 | | |
| Altitude method: | Interpolated from topographic map | | |
| Altitude accuracy: | 20 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19871219 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | DEADWOOD FORMATION | | |
| Well depth: | 354 | Hole depth: | 354 |
| Source of depth data: | driller | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | | |
| Daily flow data end date: | 0000-00-00 | Daily flow data begin date: | 0000-00-00 |
| Peak flow data begin date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data count: | 0 | Peak flow data end date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data begin date: | 0000-00-00 |
| Ground water data begin date: | 1987-12-19 | Water quality data count: | 0 |
| Ground water data count: | 1 | Ground water data end date: | 1987-12-19 |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| ----- | | |
| 1987-12-19 | 351 | |

38
West
1/2 - 1 Mile
Higher

FED USGS USGS2943053

| | | | |
|--------------------|---|-----------------------------|--------------------|
| Agency cd: | USGS | Site no: | 441934103485801 |
| Site name: | 4N 2E12AADC | EDR Site id: | USGS2943053 |
| Latitude: | 441934 | Dec lat: | 44.32609533 |
| Longitude: | 1034858 | Coor meth: | M |
| Dec lon: | -103.81658958 | Latlong datum: | NAD27 |
| Coor accr: | T | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | SENESES 12T 4NR 2E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5940 | | |
| Altitude method: | Interpolated from topographic map | | |
| Altitude accuracy: | 20 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Upland draw | | |
| Site type: | Ground-water other than Spring | Date construction: | 19780914 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------------------------|--|--------------------------------|--------------|
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | Not Reported | | |
| Well depth: | Not Reported | Hole depth: | 320 |
| Source of depth data: | Not Reported | | |
| Project number: | Not Reported | | |
| Real time data flag: | Not Reported | Daily flow data begin date: | Not Reported |
| Daily flow data end date: | Not Reported | Daily flow data count: | Not Reported |
| Peak flow data begin date: | Not Reported | Peak flow data end date: | Not Reported |
| Peak flow data count: | Not Reported | Water quality data begin date: | Not Reported |
| Water quality data end date: | Not Reported | Water quality data count: | Not Reported |
| Ground water data begin date: | Not Reported | Ground water data end date: | Not Reported |
| Ground water data count: | Not Reported | | |

Ground-water levels, Number of Measurements: 0

F39
WNW
1/2 - 1 Mile
Higher

FED USGS USGS2942914

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 441958103485301 |
| Site name: | 4N 2E 1DDAA | EDR Site id: | USGS2942914 |
| Latitude: | 441958 | Dec lat: | 44.33276198 |
| Longitude: | 1034853 | Coor meth: | M |
| Dec lon: | -103.81520064 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | NESESES 1T 4NR 2E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5811.69 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .1 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19880601 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | DEADWOOD FORMATION | | |
| Well depth: | 85 | Hole depth: | 85 |
| Source of depth data: | logs | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | Daily flow data begin date: | 0000-00-00 |
| Daily flow data end date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data begin date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |
| Peak flow data count: | 0 | Water quality data begin date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data count: | 0 |
| Ground water data begin date: | 1988-06-01 | Ground water data end date: | 1988-06-01 |
| Ground water data count: | 1 | | |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| 1988-06-01 | 20 | |

40
North
1/2 - 1 Mile
Lower

FED USGS USGS2942961

| | | | |
|--------------------------------|---|-----------------------------|-------------------|
| Agency cd: | USGS | Site no: | 442027103475701 |
| Site name: | 4N 3E 6AACC | | |
| Latitude: | 442027 | EDR Site id: | USGS2942961 |
| Longitude: | 1034757 | Dec lat: | 44.34081758 |
| Dec lon: | -103.79964439 | Coor meth: | M |
| Coor accr: | F | Latlong datum: | NAD27 |
| Dec latlong datum: | NAD83 | District: | 46 |
| State: | 46 | County: | 081 |
| Country: | US | Land net: | SWNENES 6T 4NR 3E |
| Location map: | LEAD | Map scale: | 24000 |
| Altitude: | 5485 | | |
| Altitude method: | Interpolated from topographic map | | |
| Altitude accuracy: | 20 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Upland draw | | |
| Site type: | Ground-water other than Spring | Date construction: | 19790131 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | PRECAMBIAN ERATHEM | | |
| Well depth: | 85.0 | Hole depth: | 85.0 |
| Source of depth data: | Not Reported | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | | |
| Daily flow data end date: | 0000-00-00 | Daily flow data begin 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: | 1979-01-31 | | |
| Ground water data end date: | 1979-01-31 | | |
| Ground water data count: | 1 | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| 1979-01-31 | 35.00 | |

41
NE
1/2 - 1 Mile
Lower

FED USGS USGS2942937

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------------------------|---|--------------------------------|-----------------|
| Agency cd: | USGS | Site no: | 442012103470301 |
| Site name: | 4N 3E 5 | | |
| Latitude: | 442012 | EDR Site id: | USGS2942937 |
| Longitude: | 1034703 | Dec lat: | 44.33665098 |
| Dec lon: | -103.78464368 | Coor meth: | M |
| Coor accr: | M | Latlong datum: | NAD27 |
| Dec latlong datum: | NAD83 | District: | 46 |
| State: | 46 | County: | 081 |
| Country: | US | Land net: | S 5T 4NR 3E |
| Location map: | LEAD | Map scale: | 24000 |
| Altitude: | 5600 | | |
| Altitude method: | Interpolated from topographic map | | |
| Altitude accuracy: | 200 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19740531 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | PRECAMBIAN ERATHEM | | |
| Well depth: | 26.5 | Hole depth: | 34.0 |
| Source of depth data: | Not Reported | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | | |
| Daily flow data end date: | 0000-00-00 | Daily flow data begin date: | 0000-00-00 |
| Peak flow data begin date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data count: | 0 | Peak flow data end date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data begin date: | 0000-00-00 |
| Ground water data begin date: | 1974-05-31 | Water quality data count: | 0 |
| Ground water data count: | 1 | Ground water data end date: | 1974-05-31 |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|-----------------------|---------------------|
| ----- | | |
| 1974-05-31 | 15.00 | |

**42
North
1/2 - 1 Mile
Higher**

FED USGS USGS2942965

| | | | |
|--------------------|---|-----------------------------|-------------------|
| Agency cd: | USGS | Site no: | 442029103474301 |
| Site name: | 4N 3E 6AAD | | |
| Latitude: | 442029 | EDR Site id: | USGS2942965 |
| Longitude: | 1034743 | Dec lat: | 44.34137315 |
| Dec lon: | -103.79575533 | Coor meth: | M |
| Coor accr: | T | Latlong datum: | NAD27 |
| Dec latlong datum: | NAD83 | District: | 46 |
| State: | 46 | County: | 081 |
| Country: | US | Land net: | SENESES 6T 4NR 3E |
| Location map: | LEAD | Map scale: | 24000 |
| Altitude: | 5685 | | |
| Altitude method: | Interpolated from topographic map | | |
| Altitude accuracy: | 20 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Hillside (slope) | | |
| Site type: | Ground-water other than Spring | Date construction: | 19790710 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

| | | | |
|-------------------------------|--|--------------------------------|------------|
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | PRECAMBIAN ERATHEM | | |
| Well depth: | 50.0 | Hole depth: | 50.0 |
| Source of depth data: | Not Reported | | |
| Project number: | Not Reported | | |
| Real time data flag: | 0 | Daily flow data begin date: | 0000-00-00 |
| Daily flow data end date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data begin date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |
| Peak flow data count: | 0 | Water quality data begin date: | 0000-00-00 |
| Water quality data end date: | 0000-00-00 | Water quality data count: | 0 |
| Ground water data begin date: | 1979-07-10 | Ground water data end date: | 1979-07-10 |
| Ground water data count: | 1 | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|------------|--------------------|------------------|
| 1979-07-10 | 17.00 | |

43
WNW
1/2 - 1 Mile
Higher

FED USGS USGS2942927

| | | | |
|-------------------------------|---|--------------------------------|-------------------|
| Agency cd: | USGS | Site no: | 442007103485401 |
| Site name: | 4N 2E 1DAAD | EDR Site id: | USGS2942927 |
| Latitude: | 442007 | Dec lat: | 44.33526198 |
| Longitude: | 1034854 | Coor meth: | M |
| Dec lon: | -103.81547844 | Latlong datum: | NAD27 |
| Coor accr: | F | District: | 46 |
| Dec latlong datum: | NAD83 | County: | 081 |
| State: | 46 | Land net: | NENESES 1T 4NR 2E |
| Country: | US | Map scale: | 24000 |
| Location map: | LEAD | | |
| Altitude: | 5918.28 | | |
| Altitude method: | Level or other surveying method | | |
| Altitude accuracy: | .1 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Lower Belle Fourche. Montana, South Dakota, Wyoming. Area = 3290 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19861130 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | MST |
| Local standard time flag: | Y | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | DEADWOOD FORMATION | | |
| Well depth: | 261.5 | Hole depth: | 265. |
| Source of depth data: | driller | | |
| Project number: | Not Reported | | |
| Real time data flag: | Not Reported | Daily flow data begin date: | Not Reported |
| Daily flow data end date: | Not Reported | Daily flow data count: | Not Reported |
| Peak flow data begin date: | Not Reported | Peak flow data end date: | Not Reported |
| Peak flow data count: | Not Reported | Water quality data begin date: | Not Reported |
| Water quality data end date: | Not Reported | Water quality data count: | Not Reported |
| Ground water data begin date: | Not Reported | Ground water data end date: | Not Reported |
| Ground water data count: | Not Reported | | |

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

Federal EPA Radon Zone for LAWRENCE County: 2

- 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.

Not Reported

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

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

HYDROLOGIC INFORMATION

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

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

HYDROGEOLOGIC INFORMATION

AQUIFLOW[®] 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

South Dakota Public Water Systems

Source: Department of Environmental and Natural Resources

Telephone: 605-773-3153

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 E

HISTORICAL TOPOGRAPHIC MAPS

Wilderness Estates Parcel 1

Parcel 1

Lead, SD 57754

Inquiry Number: 2620411.4

October 22, 2009

The EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

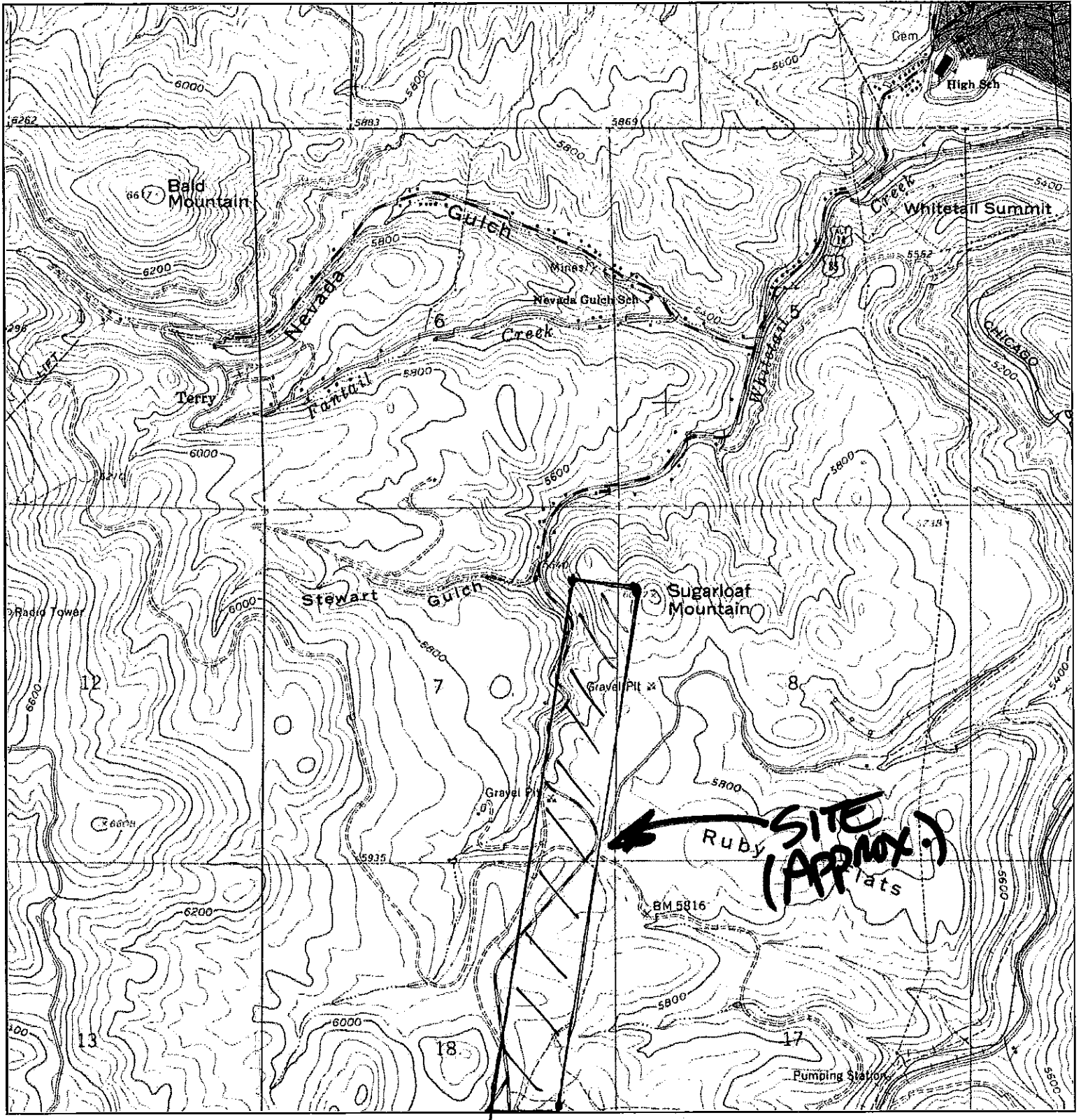
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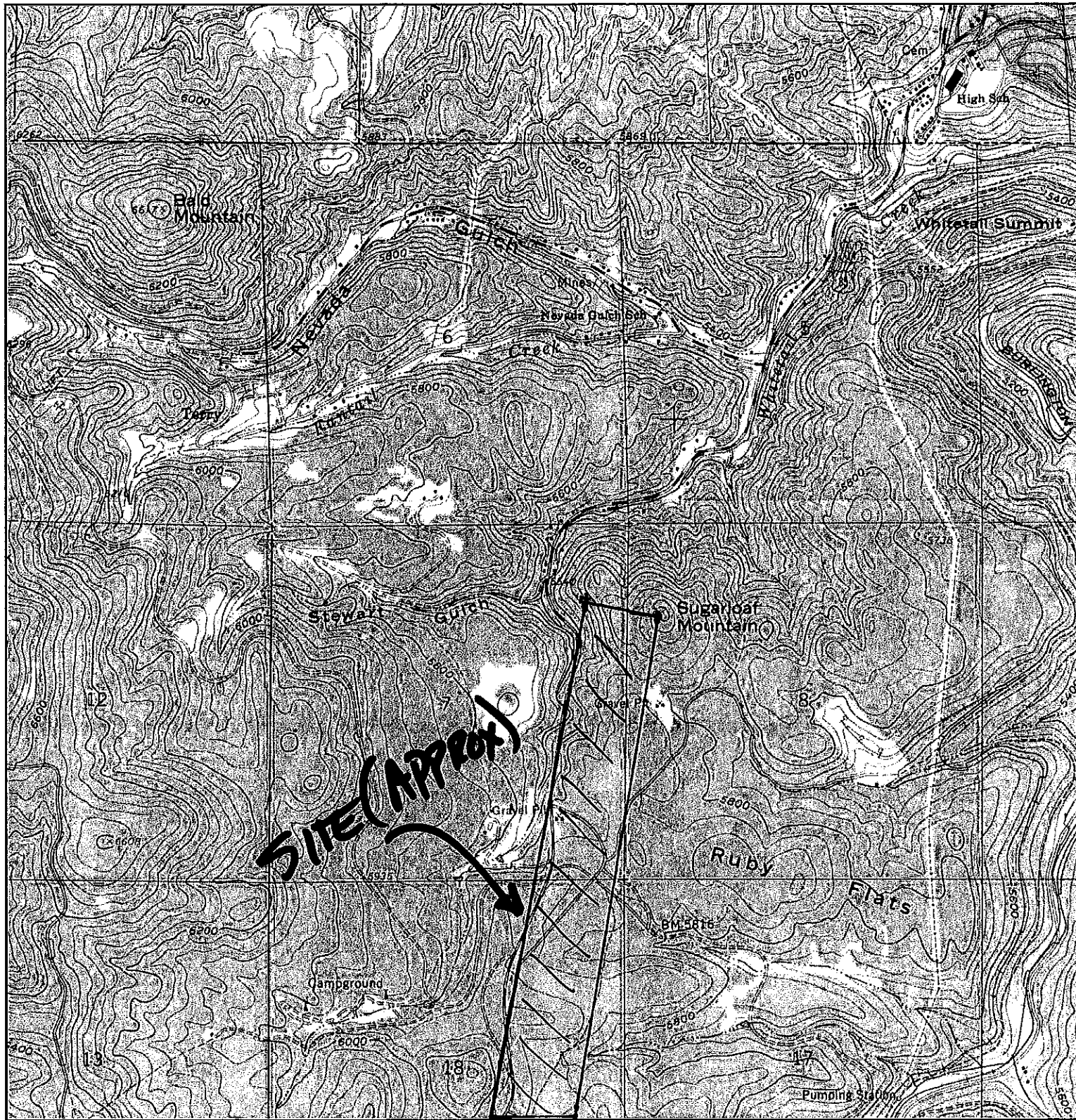
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Historical Topographic Map



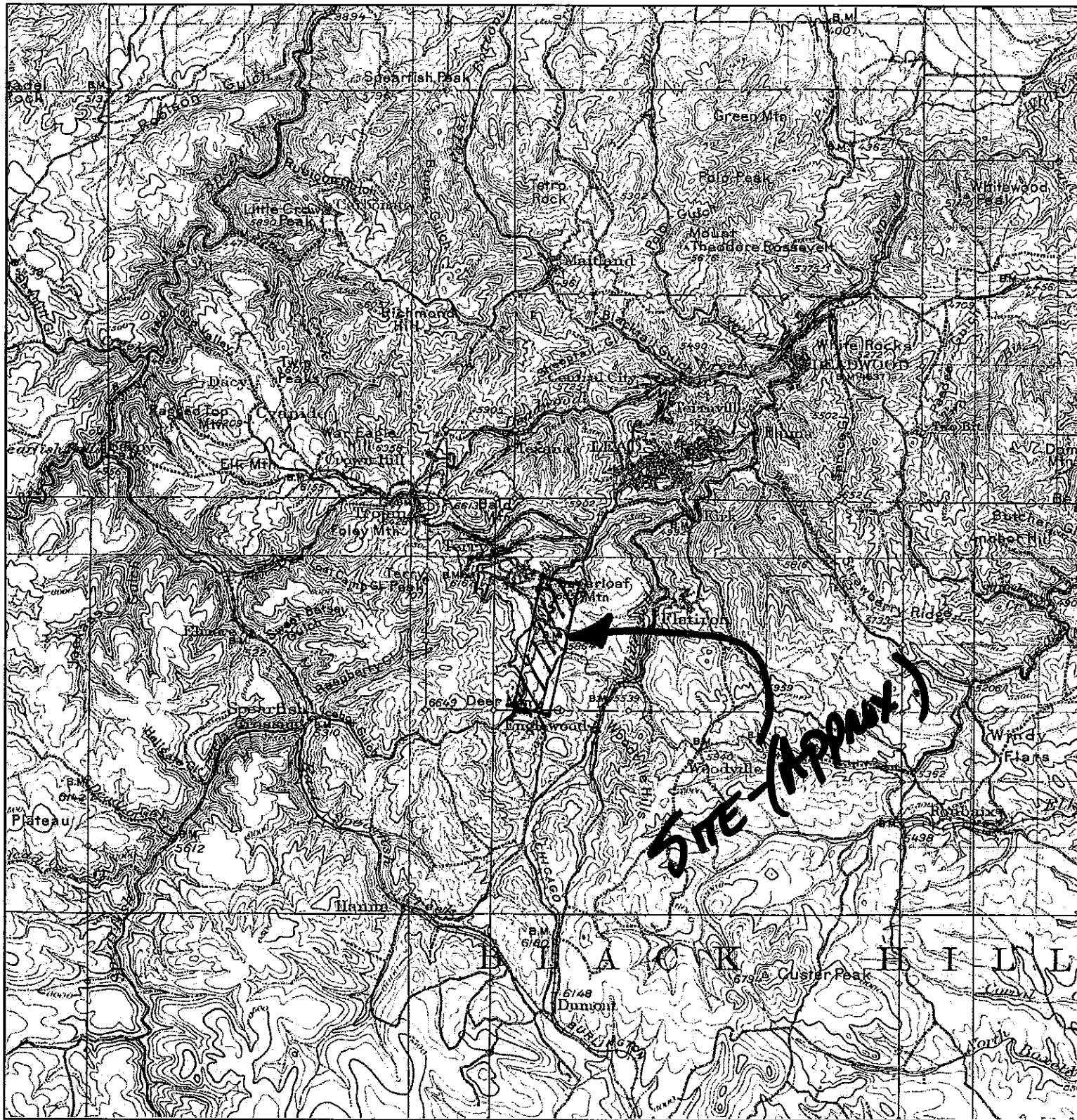
| | | | | | |
|----------------|----------------|-------------------|--------------------|-------------|-----------------------------|
| <p>N ↑</p> | TARGET QUAD | SITE NAME: | Wilderness Estates | CLIENT: | American Technical Services |
| | NAME: LEAD | Parcel 1 | CONTACT: | Toni Whalin | |
| | MAP YEAR: 1961 | ADDRESS: | Parcel 1 | INQUIRY#: | 2620411.4 |
| | | Lead, SD 57754 | RESEARCH DATE: | 10/22/2009 | |
| SERIES: 7.5 | LAT/LONG: | 44.3275 / 103.799 | | | |
| SCALE: 1:24000 | | | | | |

Historical Topographic Map



| | | | | | |
|----------------|-------------------------|------------|-----------------------------|----------------|-----------------------------|
| <p>N ↑</p> | TARGET QUAD | SITE NAME: | Wilderness Estates Parcel 1 | CLIENT: | American Technical Services |
| | NAME: LEAD | ADDRESS: | Parcel 1 | CONTACT: | Toni Whalin |
| | MAP YEAR: 1971 | LAT/LONG: | Lead, SD 57754 | INQUIRY#: | 2620411.4 |
| | PHOTOREVISED FROM: 1961 | | 44.3275 / 103.799 | RESEARCH DATE: | 10/22/2009 |
| | SERIES: 7.5 | | | | |
| SCALE: 1:24000 | | | | | |

Historical Topographic Map



| | | | | | |
|--|---------------------------|------------|--------------------|----------------|-----------------------------|
| | TARGET QUAD | SITE NAME: | Wilderness Estates | CLIENT: | American Technical Services |
| | NAME: CENTRAL BLACK HILLS | ADDRESS: | Parcel 1 | CONTACT: | Toni Whalin |
| | MAP YEAR: 1922 | LAT/LONG: | Lead, SD 57754 | INQUIRY#: | 2620411.4 |
| | SERIES: 30 | | 44.3275 / 103.799 | RESEARCH DATE: | 10/22/2009 |
| | SCALE: 1:125000 | | | | |

Wilderness Estates Parcel 1

Parcel 1

Lead, SD 57754

Inquiry Number: 2620411.3

October 21, 2009

Certified Sanborn® Map Report

Certified Sanborn® Map Report

10/21/09

Site Name:

Wilderness Estates Parcel 1
Parcel 1
Lead, SD 57754

Client Name:

American Technical Services
8105 Black Hawk Road
Black Hawk, SD 57718



EDR Inquiry # 2620411.3

Contact: Toni Whalin

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Certified Sanborn Results:

Site Name: Wilderness Estates Parcel 1
Address: Parcel 1
City, State, Zip: Lead, SD 57754
Cross Street:
P.O. # NA
Project: NA
Certification # D945-48D8-BA3C



Sanborn® Library search results
Certification # D945-48D8-BA3C

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

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- Library of Congress
- University Publications of America
- EDR Private Collection

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Wilderness Estates Parcel 1

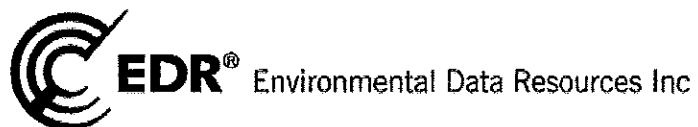
Parcel 1

Lead, SD 57754

Inquiry Number: 2620411.5

October 26, 2009

The EDR Aerial Photo Decade Package



440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

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Date EDR Searched Historical Sources:

Aerial Photography October 26, 2009

Target Property:

Parcel 1

Lead, SD 57754

| <u>Year</u> | <u>Scale</u> | <u>Details</u> | <u>Source</u> |
|-------------|------------------------------------|---|---------------|
| 1971 | Aerial Photograph. Scale: 1"=750' | Panel #: 2444103-C7/Flight Date: August 28, 1971 | EDR |
| 1977 | Aerial Photograph. Scale: 1"=1000' | Panel #: 2444103-C7/Flight Date: October 16, 1977 | EDR |
| 1982 | Aerial Photograph. Scale: 1"=1000' | Panel #: 2444103-C7/Flight Date: October 07, 1982 | EDR |
| 1991 | Aerial Photograph. Scale: 1"=750' | Panel #: 2444103-C7/Flight Date: July 14, 1991 | EDR |
| 1998 | Aerial Photograph. Scale: 1"=750' | Panel #: 2444103-C7/Flight Date: June 29, 1998 | EDR |
| 2005 | Aerial Photograph. 1" = 604' | Flight Year: 2005 | EDR |
| 2006 | Aerial Photograph. 1" = 604' | Flight Year: 2006 | EDR |



INQUIRY #: 2620411.5

YEAR: 1971

 | = 750'





INQUIRY #: 2620411.5

YEAR: 1977

1" = 1000'



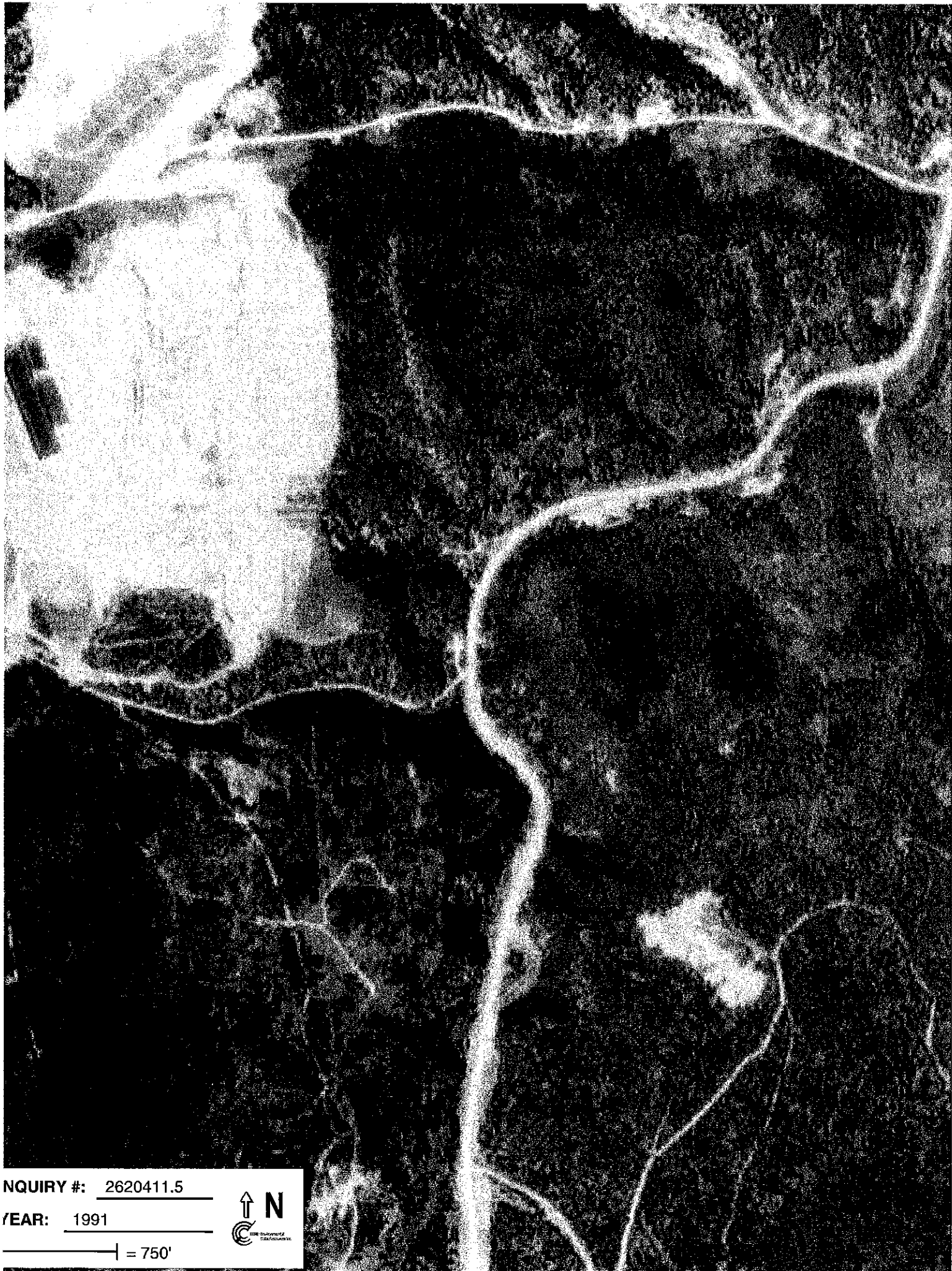


INQUIRY #: 2620411.5

YEAR: 1982

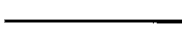
SCALE: 1" = 1000'





INQUIRY #: 2620411.5

YEAR: 1991


 = 750'





INQUIRY #: 2620411.5

YEAR: 1998


 = 750'





INQUIRY #: 2620411.5

YEAR: 2005

 = 604'





INQUIRY #: 2620411.5

YEAR: 2006

 | = 604'



N

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