



## **Hill Air Force Base, Utah**

***Final  
Environmental Baseline Survey for the  
Silver Mountain Recreational Annex***

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June 2004

**FINAL**

**ENVIRONMENTAL BASELINE SURVEY  
for the  
SILVER MOUNTAIN RECREATIONAL ANNEX**

June 2004

Prepared for:

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## **EXECUTIVE SUMMARY**

Hill Air Force Base (AFB) is currently the administrator of an undeveloped 26.6-acre property owned by the Department of Defense (DoD) and known as the Silver Mountain Recreational Annex. The DoD and Hill AFB would like to use the Silver Mountain property to ultimately provide to its service members, civilian employees, retirees, and their families an exclusive recreational opportunity. It plans to do this one of two ways. The property may be leased to a private entity, who would develop the land and would reserve a certain percentage of rooms for DoD customers in exchange for a discounted lease payment or the land may be traded to Park City in exchange for other developable or developed recreational property.

Air Force Policy Directive (AFPD) 32-70 requires that environmental baseline surveys (EBS) be prepared for real property transactions. This EBS was prepared in accordance with Air Force Instructions (AFI) 32-7066. The purpose of this EBS is to document the condition of the Silver Mountain Recreational Annex property and to identify any potential for contamination resulting from current or former use of the subject property. A comprehensive records search and a site inspection were conducted in preparation of this document.

No evidence of contaminated soil or groundwater was discovered as a result of the records search, site inspection, or personal phone interview conducted during preparation of this EBS.

Based on the findings of this survey, it is recommended that Hill AFB proceed with any desired real property transaction associated with the Silver Mountain Recreational Annex property.

## **Section 1**

### **PURPOSE OF THE ENVIRONMENTAL BASELINE SURVEY**

Hill Air Force Base (AFB) is currently the administrator of a 26.6-acre property owned by the Department of Defense (DoD) and known as the Silver Mountain Recreational Annex. The Silver Mountain property will be managed as one of the recreational properties offered through the Armed Forces Recreational Center (AFRC). The property was transferred from the Bureau of Land Management (BLM), Department of Interior to the Department of Defense (DoD), Air Force in April of 2003 for the purpose of developing an Air Force morale, welfare, and recreation facility to be developed using nonappropriated funds. This recreational lodging facility provided DoD service members, civilian employees, retirees, and their families an exclusive recreational opportunity.

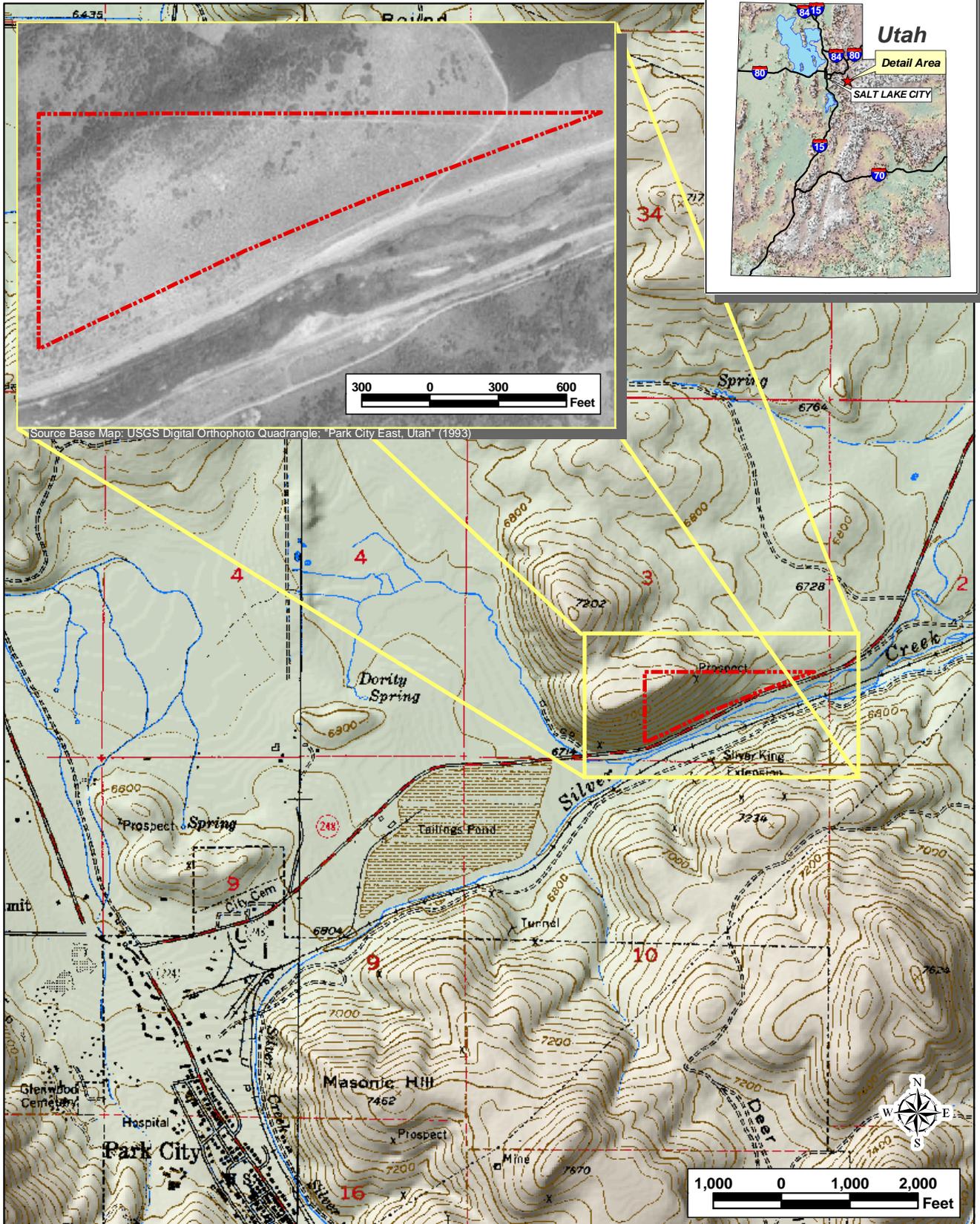
The DoD and Hill AFB would like to use the Silver Mountain property to ultimately provide to its service members, civilian employees, retirees, and their families the same recreational opportunity that was lost in the land transaction mentioned above. It plans to do this one of two ways. The property may be leased to a private entity, who would develop the land and would reserve a certain percentage of rooms for DoD customers in exchange for a discounted lease payment or the land may be traded to Park City in exchange for other developable or developed recreational property.

Air Force Instruction (AFI) 32-7066 requires the preparation of an environmental baseline survey (EBS) whenever real property within the United States, its territories, and its possessions are identified for acquisition, out-grant or disposal by the Air Force. This survey was conducted to document the condition of the Silver Mountain Recreational Annex property prior to either leasing or trading said property. The focus of the survey is to identify any source(s) of contamination resulting from current or former use of the property.

#### **1.1 Boundaries of the Property and Survey Area**

Figure 1-1 shows the location of the property currently administered by the AF and under consideration in this EBS.

The property is triangular in shape and is located in Section 3 of Township 2S, Range 4E. It is bounded along the southeast by State Highway 248 (known as Kearns Blvd further to the west). The northern and western edges of the property rise steeply to the top of a hill, transecting it in an east-west and north-south direction respectively. A legal description of the property does not currently exist, but will be obtained in the event that the property is traded to Park City. Should this occur, the legal description will be included in Appendix B.



**FIGURE 1-1. SITE LOCATION MAP**  
 Silver Mountain Recreation Annex  
 Environmental Baseline Survey  
 Wasatch County, Utah



Hill Air Force Base, Utah

## **Section 2**

### **SURVEY METHODOLOGY**

This section describes the methodology used to document current conditions of the property under evaluation. A review of existing records and a visual site inspection were conducted. This survey was prepared in accordance with AFI 32-7066.

#### **2.1 Approach and Rationale**

The property under evaluation is located within the city limits of Park City. However, it lies at the eastern most edge of the city limits and is entirely undeveloped. This area has not been extensively studied in the past. Therefore, an environmental data search was conducted to determine if any documented environmental issues exist on or adjacent to the property. In addition, to document current conditions and past use, the property was inspected and records were reviewed.

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

A Radius Search Report, conducted by Environmental Data Resources, Inc. (and included as Appendix D), was requested and reviewed to determine if there are any real or potential environmental issues on or adjacent to the site. As part of the radius search report, 37 federal, state, and local environmental databases were searched within a mile radius of the northwest corner of the site. Records were also reviewed to identify property ownership and to provide a history of previous land use at the site. These include: the county plat map and the county abstract record. A records search was also conducted at the BLM, which included the BLM plat map, oil and gas supplemental plat map, mining claim records, and the abstract record for the subject property.

##### **2.1.2 Property Inspections**

The property was visually and physically inspected for signs of previous use that may have had environmental impact during two reconnaissance visits on November 7, 2003 and October 22, 2003. Photographs taken during the site visit are included in Appendix C. These photos provide views of the subject property and surrounding property from several directions and under different weather conditions.

##### **2.1.3 Personal Interviews**

A phone interview was conducted with D.A. Osguthorpe, owner of the property adjacent to the site to the north, to gather information about past uses of the site.

##### **2.1.4 Sampling**

There are no records of environmental sampling being conducted on the property. No samples were collected as part of this study.

## **Section 3**

### **FINDINGS FOR SUBJECT PROPERTY**

#### **3.1 History and Current Use**

The Silver Mountain Recreational Annex is a 26.6-acre site situated along State Route 248 (SR-248) at the boundary of Park City. The property is immediately north of SR-248 and is wholly within Park City limits. According to the Park City zoning map, the property is currently zoned as recreational open space. The surrounding land consists of private property, property owned by the Municipal Building Authority of Park City, and SR-248, owned by the State of Utah. The Silver Mountain property was recently (April 28, 2003) transferred from the BLM to the DoD and the U.S. Air Force was named as administrator of the property.

Currently the site is vacant and is covered with native shrubs and grasses. A dirt road crosses the northeastern portion of the site. This road, for which an easement exists, provides access for the privately owned property to the north and west of the site and has done so since 1951 (Osguthorpe, 2003).

Prior to transfer of the property from the BLM to the DoD, Park City had acquired a 25-year Public Purpose Lease for the property from the BLM that was suppose to end in 2010. However, that lease was terminated by legislation. Park City used the property as open space. There was also a historic mining claim on the property, but it was never used and has been abandoned. According to the records search conducted at the BLM, there are no open mining claims on the property and there are no historic or existing oil and gas leases.

#### **3.2 Environmental Setting**

No industrial, commercial or residential developments currently occupy the site. Native shrubs and grasses cover the site. A dirt road (for which there is an easement) transects the northeastern portion of the property.

#### **3.3 Hazardous Substances**

No hazardous substances have been identified on the site.

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

No hazardous materials or petroleum products have been identified on the site.

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

No hazardous or petroleum waste has been identified on the site.

#### **3.4 Installation Restoration Program Contamination**

This site has not been investigated under the Installation Restoration Program (IRP) and therefore no IRP contamination has been identified.

#### **3.5 Storage Tanks**

No storage tanks, pipelines or systems have been identified on the site.

### **3.5.1 Aboveground Storage Tanks**

No aboveground storage tanks have been identified on the site.

### **3.5.2 Underground Storage Tanks**

No underground storage tanks have been identified on the site.

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

No pipelines, hydrant fueling, or transfer systems have been identified on the site.

### **3.6 Oil/Water Separators**

No oil/water separators have been identified on the site.

### **3.7 Pesticides**

No pesticides have been identified on the site.

### **3.8 Medical or Biohazardous Waste**

No medical or biohazardous wastes have been identified on the site.

### **3.9 Ordnance**

No ordnance has been identified on the site.

### **3.10 Radioactive Wastes**

No radioactive wastes have been identified on the site.

### **3.11 Solid Waste**

No solid waste has been identified on the site, other than minor scattered debris (such as bottles, wood scraps, and aluminum cans).

### **3.12 Groundwater**

There are no wells located on the site. However, information gathered from wells surrounding the site indicate that depth to groundwater ranges from approximately 110 feet below ground surface (bgs) in the higher elevation portions of the site (north and west), to approximately 10 feet bgs along the lowest elevation portion of the site (the southeast boundary of the site). No groundwater contamination has been identified beneath the site or beneath surrounding sites.

### **3.13 Wastewater Treatment, Collection and Discharge**

No wastewater treatment, collection or discharge systems have been identified on the site.

### **3.14 Drinking Water Quality**

No drinking water sources have been identified on the site. No impact to drinking water quality has been identified to come from the site.

### **3.15 Asbestos**

No asbestos has been identified on the site.

### **3.16 Polychlorinated Biphenyls**

No polychlorinated biphenyls (PCBs) have been identified on the site.

### **3.17 Radon**

No radon gas has been identified on the site.

### **3.18 Lead-Based Paint**

No lead-based paints have been identified on the site.

## **Section 4**

### **FINDINGS FOR ADJACENT PROPERTIES**

This section provides information on all of the properties that are adjacent to the Silver Mountain Recreational Annex (the property under evaluation). Below is a list of properties that are adjacent to the site:

- Private Property adjacent to the north property line
- SR-248 (on land owned by the State of Utah) adjacent to the southeast property line
- BLM land adjacent to the west property line

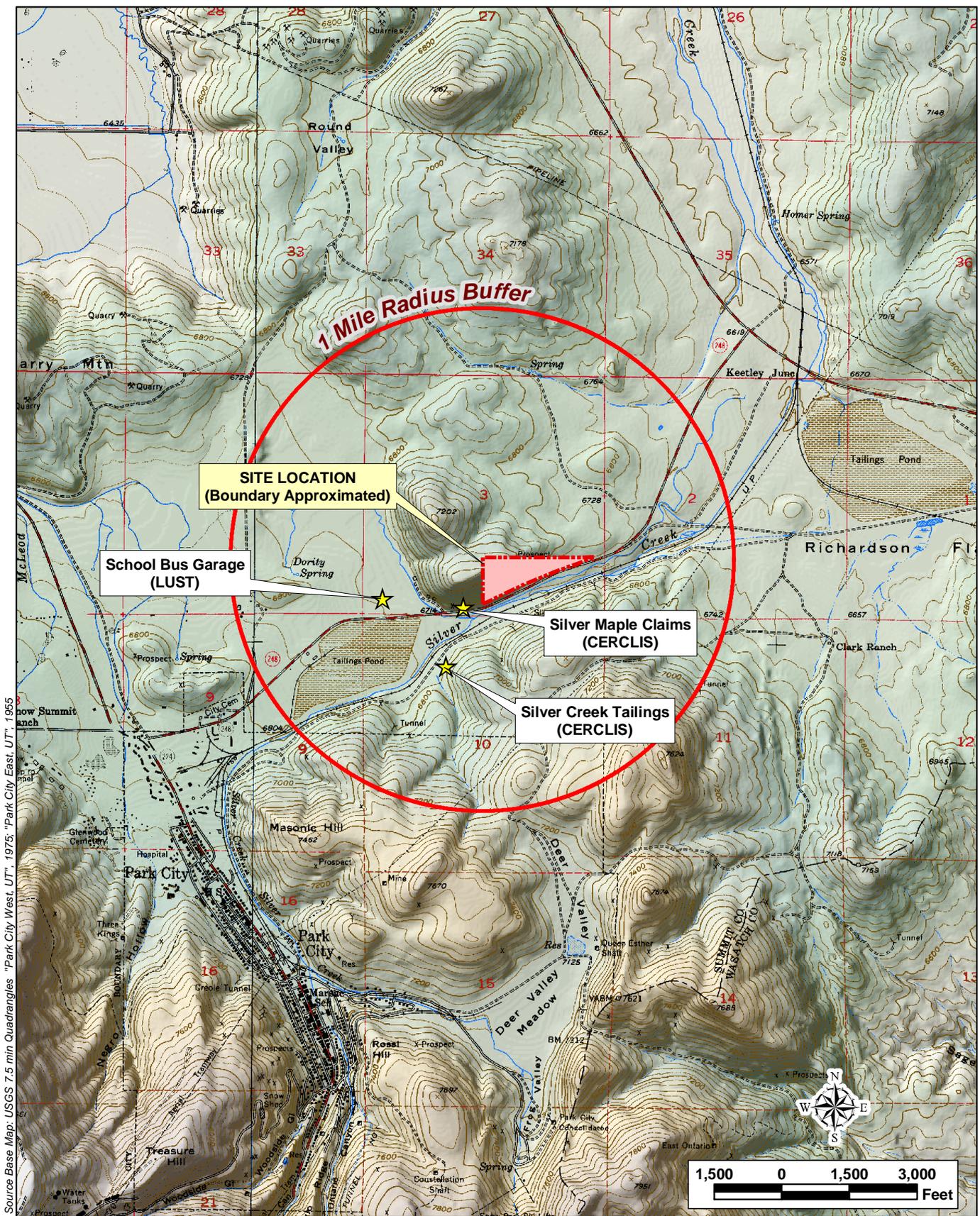
#### **4.1 Land Uses**

According to the inspection conducted during the two site visits and to the phone interview conducted with the property owner, the private property located adjacent to the site's northern property line is used for farming. Currently there is a cultivated field on the flat portion of the property, which lies at the base of the mountain to the north. The portion of the private property that extends from the base of the mountain up to the Silver Mountain Recreational Annex property line, along the ridge of the mountain, is unused and consists of native shrubs (sage brush) and grasses. The Park City property to the west of the site is also vacant and consists of native shrubs (sage brush) and grasses and is zoned as recreational open space. The property along the southeast of the site is owned by the State of Utah and is occupied by SR-248 and its right-of-way. State Road 248 is a 3 lane paved road in the vicinity of the subject property. A power transformer is within the SR-248 right-of-way adjacent to the eastern end of the southeastern property line.

#### **4.2 Surveyed Properties**

In November of 2003, an environmental database search report was conducted and completed for the Silver Mountain Recreational Annex Property and the area within a one-mile radius of the northwest corner of said property (and is included in Appendix D). The report consisted of a search of the environmental databases specified by ASTM Standard Practice for Environmental Site Assessments, E 1527-00. The databases included the Federal CERCLIS, NPL, and Proposed NPL lists, the State UST and LUST lists, as well as many others (a complete list can be found in the EDR, 2003 report). The intent was to determine if there are any documented environmental conditions on or near the site that provide a potential for contamination at the site. As shown in Figure 2, the search found no listed sites on the subject property. Two CERCLIS sites and a LUST site were identified within a mile radius, however, they were all outside property boundaries and lower in elevation than the site. Therefore, it was determined that they did not pose an environmental threat to the Silver Mountain Annex Property.

As part of the EDR study, a survey of information related to radon, groundwater, geology, and existing water wells was conducted. This information was used to evaluate the existing conditions at the site.



**FIGURE 4-1. Database Search Results**  
 Silver Mountain Recreation Annex  
 Environmental Baseline Survey  
 Wasatch County, Utah



Hill Air Force Base, Utah

## **Section 5**

### **APPLICABLE REGULATORY COMPLIANCE ISSUES**

There are no compliance issues associated with the property.

#### **5.1 List of Compliance Issues**

Not applicable.

#### **5.2 Description of Corrective Actions**

Not applicable.

#### **5.3 Estimates of Various Alternatives**

Not applicable.

## **Section 6**

### **CONCLUSIONS**

No documented evidence of site-related contamination was discovered on the property by the site inspection, records search, or personal phone interview. For the purposes of real estate transactions, as defined in AFI 32-7066, and based on the findings of this EBS, the Silver Mountain Recreational Annex property is designated as Category 1.

A Category 1 property is defined by AFI 32-7066 as: Areas where no release or disposal of hazardous or petroleum substances has occurred (including no migration of these substances from adjacent areas).

#### **6.1 Facility Matrix**

There are no facilities present on the site.

#### **6.2 Property Categories Map**

This property is designated as Category 1. No additional map is provided as there is not more than one category designated for this site.

#### **6.3 Resources Map**

A resources map is not applicable to this property. No resources map is included.

#### **6.4 Data Gaps**

To the best of URS's knowledge, there are no data gaps in the resources used to compile this EBS.

## **Section 7**

### **RECOMMENDATIONS**

No contamination associated with the site or surrounding sites was discovered that would adversely affect a real property transaction for the site. The site is designated as Category 1. Therefore, it is recommended that Hill AFB proceed with any desired real property transaction associated with the Silver Mountain Recreational Annex property.

## Section 8 CERTIFICATIONS

### **Certification of the Environmental Baseline Survey**

URS has conducted this Environmental Baseline Survey on behalf of the Air Force. URS has reviewed all appropriate records made available, and conducted visual site inspections of the selected property following an analysis of information during the record search. The information contained within the survey report is based on records made available and, to the best of URS's knowledge, is correct as of December 23, 2003.

Certified by: \_\_\_\_\_ Date: \_\_\_\_\_  
URS Corporation

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
Hill Air Force Base

### **Certification of PCB Clearance**

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

Certified by: \_\_\_\_\_ Date: \_\_\_\_\_  
URS Corporation

Approved by: \_\_\_\_\_ Date: \_\_\_\_\_  
Hill Air Force Base

### **Certification of No Contamination**

This excess real property contains no known hazardous substances as that term is defined in the Comprehensive Environmental Response, Compensation and Liability Act (42 U.S.C. 9601), as amended, or other contamination as specified by the Resource Conservation and Recovery Act of 1976, the implementing Environmental Protection Agency regulations (40 CFR {arts 261, 262,263, and 761), and the Federal Property Management Regulations (41 CFR Part 101-47). A complete search of agency files revealed that no hazardous substance has been stored for more than one year, known to have been released, or disposed of on the Air Force-controlled real property described below.

Name/Description of area being accessed: Silver Mountain Recreational Annex / 26-acre area of undeveloped, hilly, land located in the southeast corner of section 3, Township 2S, Range 4E, with in the city limits of Park City, Utah.

Certified by: \_\_\_\_\_  
URS Corporation

Date: \_\_\_\_\_

Approved by: \_\_\_\_\_  
Hill Air Force Base

Date: \_\_\_\_\_

## **APPENDIX A**

### **Terms and Acronyms**

## APPENDIX A

### Terms and Acronyms

AFI	Air Force Instructions
AFPD	Air Force Policy Directive
AFRC	Armed Forces Recreational Center
ASTM	American Society for Testing and Materials (formerly known as)
bgs	below ground surface
BLM	Bureau of Land Management
CERCLIS	Comprehensive Environmental Response, Compensation, Liability Information System
DoD	Department of Defense
EBS	Environmental Baseline Surveys
EDR	Environmental Data Resources, Inc.
IRP	Installation Restoration Program
LUST	Leaking Underground Storage Tank
NPL	National Priority List
PCBs	polychlorinated biphenyls
SR-248	State Route 248
UST	Underground Storage Tank
URS	URS Corporation

## **APPENDIX B**

### **Legal Property Description**

**APPENDIX B**

**Legal Property Description**

Legal Property Description to be Inserted Here When Completed

## **APPENDIX C**

### **Site Photographs**



Figure C-1

Private Property, Adjacent to Northern Boundary of the Site – October 22, 2003  
View: Looking Northeast from Top of Mountain on Northern Property Line



Figure C-2

Private Property, Adjacent to Northern Boundary of the Site – November 7, 2003  
View: Looking Northeast from Top of Mountain on Northern Property Line



Figure C-3

SR-248, Adjacent to Southeastern Boundary of the Site – October 22, 2003  
View: Looking Southeast from Top of Mountain on Northern Property Line



Figure C-4

SR-248, Adjacent to Southeastern Boundary of the Site – November 7, 2003  
View: Looking Southeast from Top of Mountain on Northern Property Line

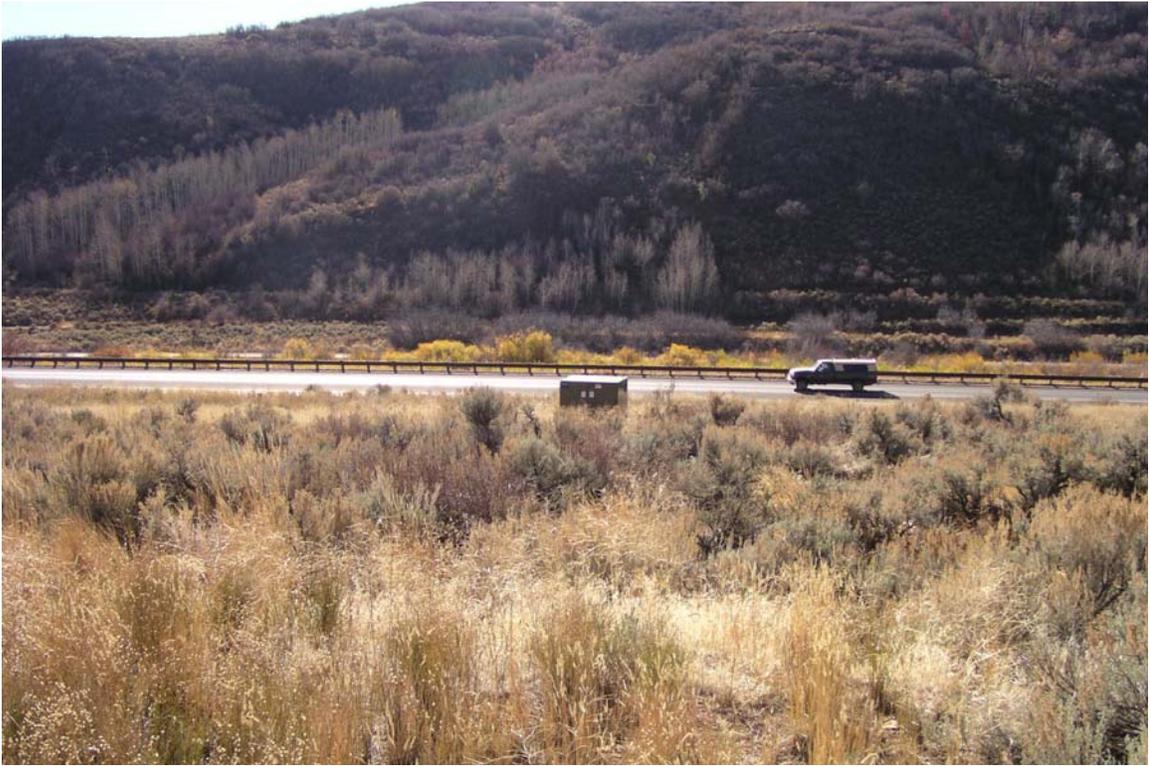


Figure C-5  
SR-248 and Power Transformer in Right-of-Way – October 22, 2003  
View: Looking Southeast from Dirt Road on Southeastern Property Line



Figure C-6  
SR-248 and Power Transformer in Right-of-Way – November 7, 2003  
View: Looking Southeast from Dirt Road on Southeastern Property Line



Figure C-7  
Dirt Road on Property with SR-248 and Park City Resort in Background  
October 22, 2003. View: Looking Southwest from Dirt Road



Figure C-8  
Dirt Road on Property with SR-248 and Park City Resort in Background  
November 7, 2003. View: Looking Southwest from Dirt Road



Figure C-9  
Silver Mountain Recreational Annex Property - October 22, 2003  
View: Looking West Along Northern Boundary from Dirt Road



Figure C-10  
Silver Mountain Recreational Annex Property – November 7, 2003  
View: Looking West Along Northern Boundary from Dirt Road



Figure C-11  
Silver Mountain Recreational Annex Property - November 7, 2003  
View: Looking Across Western Boundary of Property from SR-248 Right-of-Way



Figure C-12  
Gate at Northeastern Edge of Property with Private Property in Background  
October 22, 2003. View: Looking Northeast

## **APPENDIX D**

### **EDR Environmental Radius Search Report**



## **The EDR Radius Map with GeoCheck<sup>®</sup>**

**Silver Mountain  
Silver Mountain  
Park City, UT 84060**

**Inquiry Number: 01075244.1r**

**November 03, 2003**

## ***The Source For Environmental Risk Management Data***

3530 Post Road  
Southport, Connecticut 06890

### **Nationwide Customer Service**

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

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

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

### TARGET PROPERTY INFORMATION

#### ADDRESS

SILVER MOUNTAIN  
PARK CITY, UT 84060

#### COORDINATES

Latitude (North): 40.672200 - 40° 40' 19.9"  
Longitude (West): 111.481900 - 111° 28' 54.8"  
Universal Transverse Mercator: Zone 12  
UTM X (Meters): 459270.2  
UTM Y (Meters): 4502269.5  
Elevation: 7022 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property: 2440111-F4 PARK CITY EAST, UT  
Source: USGS 7.5 min quad index

### TARGET PROPERTY SEARCH RESULTS

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

### DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ( "reasonably ascertainable " ) government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

### FEDERAL ASTM STANDARD

**NPL**..... National Priority List  
**Proposed NPL**..... Proposed National Priority List Sites  
**CERCLIS**..... Comprehensive Environmental Response, Compensation, and Liability Information System  
**CERC-NFRAP**..... CERCLIS No Further Remedial Action Planned  
**CORRACTS**..... Corrective Action Report  
**RCRIS-TSD**..... Resource Conservation and Recovery Information System  
**RCRIS-LQG**..... Resource Conservation and Recovery Information System  
**ERNS**..... Emergency Response Notification System

### STATE ASTM STANDARD

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

## EXECUTIVE SUMMARY

**SWF/LF**..... List of Landfills  
**VCP**..... Voluntary Cleanup Sites List  
**INDIAN UST**..... Underground Storage Tanks on Indian Land

### FEDERAL ASTM SUPPLEMENTAL

**CONSENT**..... Superfund (CERCLA) Consent Decrees  
**ROD**..... Records Of Decision  
**Delisted NPL**..... National Priority List Deletions  
**HMIRS**..... Hazardous Materials Information Reporting System  
**MLTS**..... Material Licensing Tracking System  
**MINES**..... Mines Master Index File  
**NPL Liens**..... Federal Superfund Liens  
**PADS**..... PCB Activity Database System  
**DOD**..... Department of Defense Sites  
**US BROWNFIELDS**..... A Listing of Brownfields Sites  
**RAATS**..... RCRA Administrative Action Tracking System  
**TRIS**..... Toxic Chemical Release Inventory System  
**TSCA**..... Toxic Substances Control Act  
**SSTS**..... Section 7 Tracking Systems  
**FTTS**..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

### STATE OR LOCAL ASTM SUPPLEMENTAL

**AST**..... Listing of Aboveground Storage Tanks

### EDR PROPRIETARY HISTORICAL DATABASES

**Coal Gas**..... Former Manufactured Gas (Coal Gas) Sites

### BROWNFIELDS DATABASES

**US BROWNFIELDS**..... A Listing of Brownfields Sites  
**VCP**..... Voluntary Cleanup Sites List  
**BROWNFIELDS**..... Brownfields Assessment Sites

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

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

## EXECUTIVE SUMMARY

### FEDERAL ASTM STANDARD

**RCRIS:** Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRIS-SQG list, as provided by EDR, and dated 09/10/2003 has revealed that there is 1 RCRIS-SQG site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>PARK CITY SCHOOL BUS GARAGE</b>	<b>2400 KEARNS BLVD</b>	<b>1/2 - 1 WSW 1</b>		<b>6</b>

### STATE ASTM STANDARD

**LUST:** The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environmental Quality's Potential Leaking UST Sites.

A review of the LUST list, as provided by EDR, and dated 07/01/2003 has revealed that there is 1 LUST site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>SCHOOL BUS GARAGE</b>	<b>2250 E HWY 248</b>	<b>1/2 - 1 WSW A2</b>		<b>6</b>

**UST:** The Underground Storage Tank database contains a listing of Facility, Owner, Location & Tanks not Closed or Removed. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Facilities with at Least One Non-exempt Tank.

A review of the UST list, as provided by EDR, and dated 07/01/2003 has revealed that there is 1 UST site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>SCHOOL BUS GARAGE</b>	<b>2250 E HWY 248</b>	<b>1/2 - 1 WSW A2</b>		<b>6</b>

### FEDERAL ASTM SUPPLEMENTAL

**FINDS:** The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS);

## EXECUTIVE SUMMARY

Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 07/25/2003 has revealed that there are 3 FINDS sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>PARK CITY SCHOOL BUS GARAGE</i></b>	<b><i>2400 KEARNS BLVD</i></b>	<b><i>1/2 - 1 WSW 1</i></b>		<b><i>6</i></b>
SCHOOL BUS GARAGE	2250 KEARNS BLVD	1/2 - 1 WSW A3		6
DAESTAR REALTY LLC	1850 SIDEWINDER DRIVE S	1/2 - 1 SW 5		7

### STATE OR LOCAL ASTM SUPPLEMENTAL

**SPILLS:** Incidents reported to the Division of Environmental Response and Remediation .

A review of the SPILLS list, as provided by EDR, and dated 06/18/2003 has revealed that there is 1 SPILLS site within approximately 1 mile of the target property.

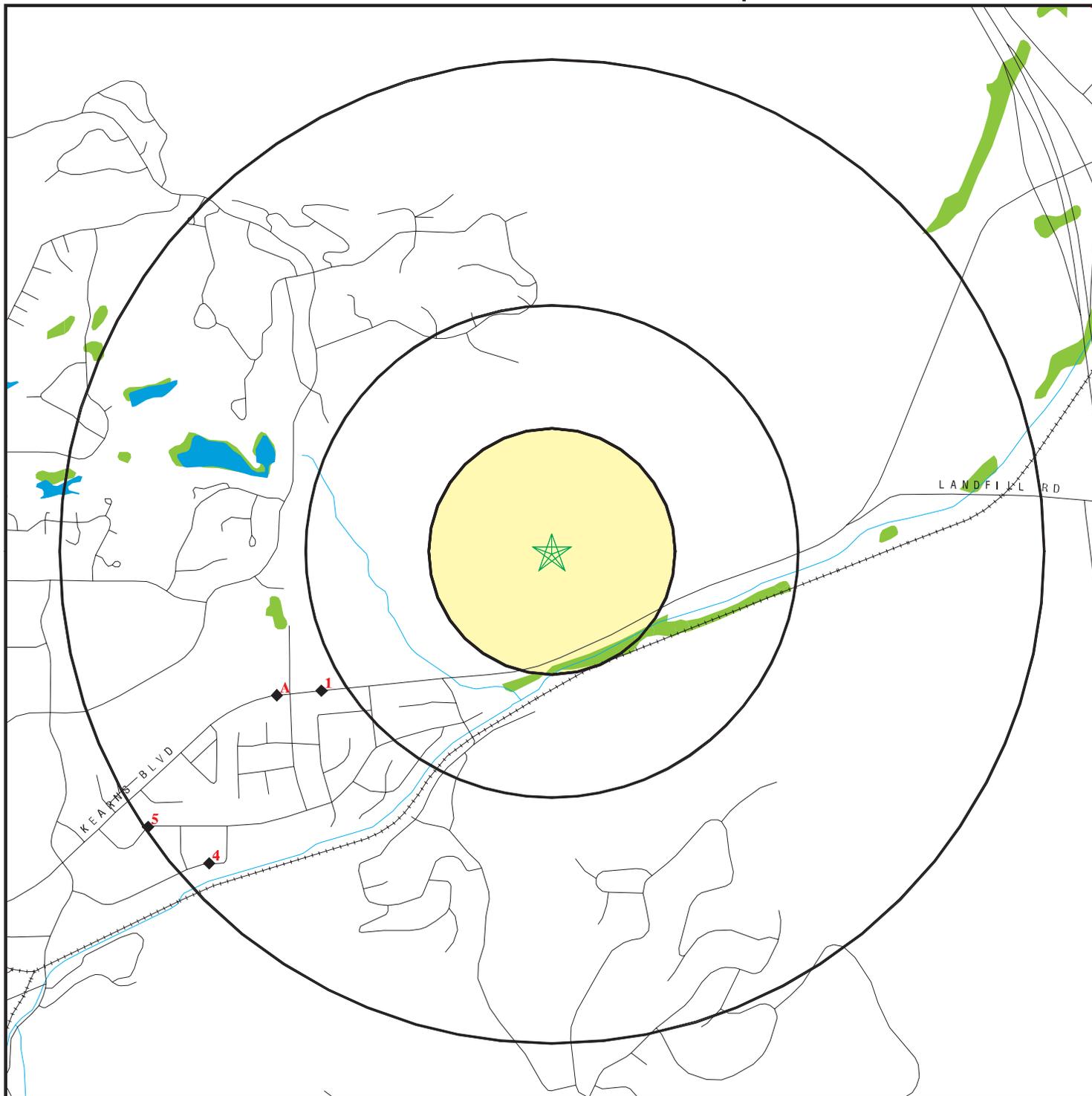
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
Not reported	2105 PROSPECTOR AVE	1/2 - 1 SW	4	7

## EXECUTIVE SUMMARY

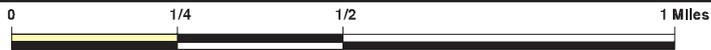
Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
SILVER CREEK ACADEMY	FTTS
SILVER MAPLE CLAIMS	CERCLIS, FINDS
EMPIRE CANYON	CERCLIS, FINDS
OLD PARK CITY DUMP	CERCLIS, FINDS
MARSAC MILLS	CERCLIS, FINDS
SILVER CREEK TAILINGS	CERCLIS, FINDS
SILVER CREEK JCT.	LUST, UST
SILVER CREEK WATER RECLAMATION FACILITY	UST
GENEVA ROCK	RCRIS-SQG, FINDS
CHEVRON PIPE LINE KIMBALL JUNCTION STATI	RCRIS-SQG, FINDS
SILVER CREEK JCT	FINDS
SILVER CREEK TAILINGS	FINDS
SILVER MEADOWS ESTATES	FINDS

# OVERVIEW MAP - 01075244.1r - URS Corporation



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

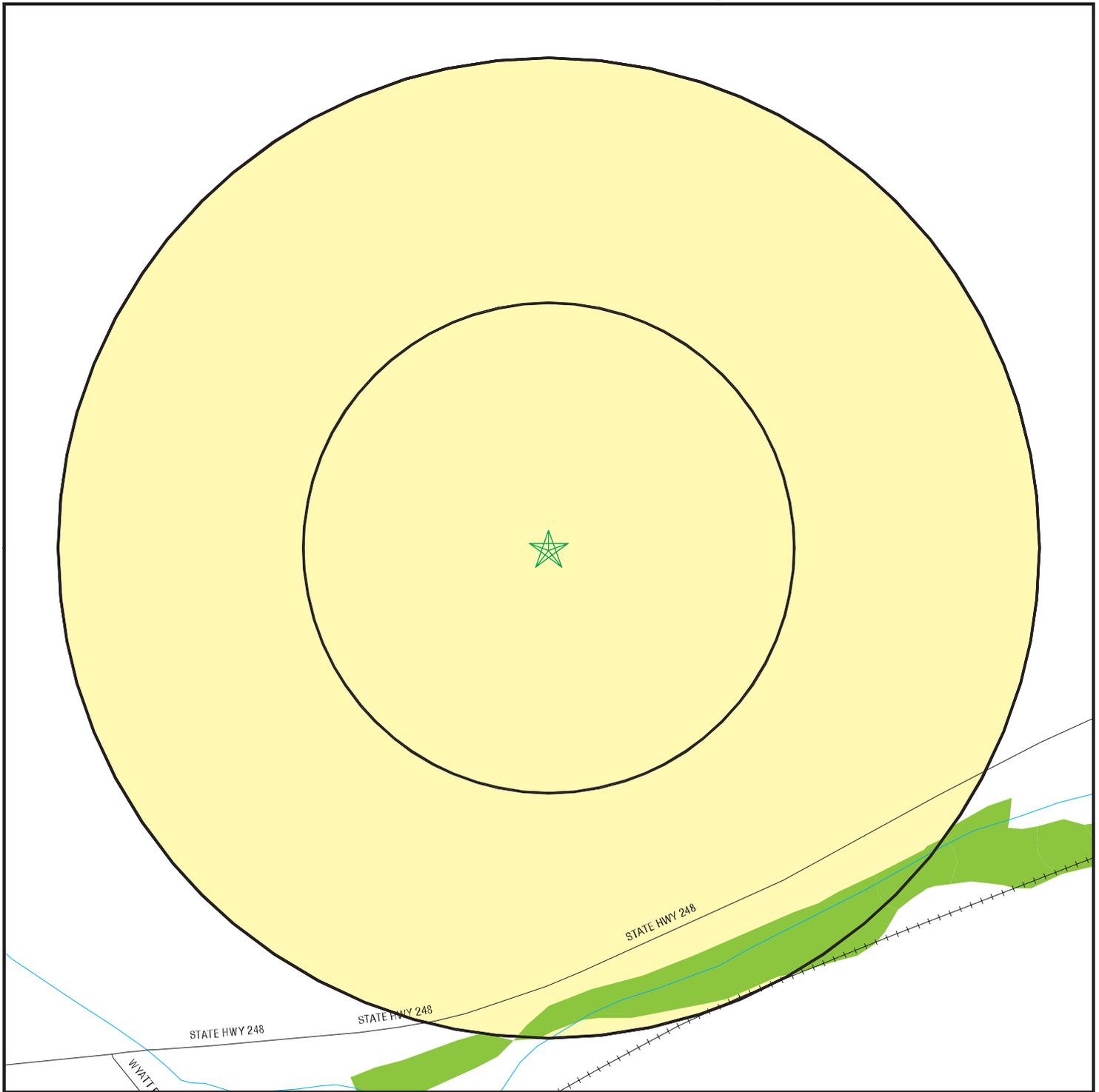


- Oil & Gas pipelines
- Federal Wetlands



<b>TARGET PROPERTY:</b> Silver Mountain <b>ADDRESS:</b> Silver Mountain <b>CITY/STATE/ZIP:</b> Park City UT 84060 <b>LAT/LONG:</b> 40.6722 / 111.4819	<b>CUSTOMER:</b> URS Corporation <b>CONTACT:</b> Tammi Messersmith <b>INQUIRY #:</b> 01075244.1r <b>DATE:</b> November 03, 2003 7:19 am
--	--

# DETAIL MAP - 01075244.1r - URS Corporation



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- Sensitive Receptors
- ▣ National Priority List Sites
- ▣ Landfill Sites
- ▣ Dept. Defense Sites

- Oil & Gas pipelines
- Federal Wetlands



TARGET PROPERTY:	Silver Mountain	CUSTOMER:	URS Corporation
ADDRESS:	Silver Mountain	CONTACT:	Tammi Messersmith
CITY/STATE/ZIP:	Park City UT 84060	INQUIRY #:	01075244.1r
LAT/LONG:	40.6722 / 111.4819	DATE:	November 03, 2003 7:19 am

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL ASTM STANDARD</u></b>								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		1.000	0	0	0	0	NR	0
CERC-NFRAP		1.000	0	0	0	0	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRIS-TSD		1.000	0	0	0	0	NR	0
RCRIS Lg. Quan. Gen.		1.000	0	0	0	0	NR	0
RCRIS Sm. Quan. Gen.		1.000	0	0	0	1	NR	1
ERNS		1.000	0	0	0	0	NR	0
<b><u>STATE ASTM STANDARD</u></b>								
State Haz. Waste		N/A	N/A	N/A	N/A	N/A	N/A	N/A
State Landfill		1.000	0	0	0	0	NR	0
LUST		1.000	0	0	0	1	NR	1
UST		1.000	0	0	0	1	NR	1
VCP		1.000	0	0	0	0	NR	0
INDIAN UST		1.000	0	0	0	0	NR	0
<b><u>FEDERAL ASTM SUPPLEMENTAL</u></b>								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		1.000	0	0	0	3	NR	3
HMIRS		1.000	0	0	0	0	NR	0
MLTS		1.000	0	0	0	0	NR	0
MINES		1.000	0	0	0	0	NR	0
NPL Liens		1.000	0	0	0	0	NR	0
PADS		1.000	0	0	0	0	NR	0
DOD		1.000	0	0	0	0	NR	0
US BROWNFIELDS		1.000	0	0	0	0	NR	0
RAATS		1.000	0	0	0	0	NR	0
TRIS		1.000	0	0	0	0	NR	0
TSCA		1.000	0	0	0	0	NR	0
SSTS		1.000	0	0	0	0	NR	0
FTTS		1.000	0	0	0	0	NR	0
<b><u>STATE OR LOCAL ASTM SUPPLEMENTAL</u></b>								
AST		1.000	0	0	0	0	NR	0
SPILLS		1.000	0	0	0	1	NR	1
<b><u>EDR PROPRIETARY HISTORICAL DATABASES</u></b>								
Coal Gas		1.000	0	0	0	0	NR	0

## MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>&lt; 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>&gt; 1</u>	<u>Total Plotted</u>
<b><u>BROWNFIELDS DATABASES</u></b>								
US BROWNFIELDS		1.000	0	0	0	0	NR	0
VCP		1.000	0	0	0	0	NR	0
BROWNFIELDS		1.000	0	0	0	0	NR	0

**NOTES:**

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

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



MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SCHOOL BUS GARAGE \ (Continued)**

**1005793268**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
 Facility Registry System \ (FRS)  
 Utah Common Identifier Mechanism \ (UT-CIM)

**4**  
**SW**  
**1/2-1**  
**4971 ft.**

**2105 PROSPECTOR AVE**  
**PARK CITY, UT**

**SPILLS S105222493**  
**N/A**

**Relative:**  
**Lower**

**UT SPILL:**

New incident number: 4166  
 Old incident number: / /  
 Nearest town: Park City  
 Milemarker: 0  
 Highway: Not reported  
 Date Reported: 10/06/2001  
 Incident Start Date: Not reported  
 Responsible Party Name: Unknown  
 RP Address: Not reported  
 RP Phone: Not reported

**Actual:**  
**6750 ft.**

Incident Summary: Caller stated that there is material west of parking lot of building at 2105 Prospector Ave. Caller stated that material is coming from previous EPA Superfund site and said there was a breach on a cap of the site.

**5**  
**SW**  
**1/2-1**  
**5244 ft.**

**DAESTAR REALTY LLC**  
**1850 SIDEWINDER DRIVE SUITE 320**  
**PARK CITY, UT 84060**

**FINDS 1006800380**  
**110013709996**

**Relative:**  
**Lower**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site:  
 Facility Registry System \ (FRS)  
 ICIS

**Actual:**  
**6772 ft.**

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
PARK CITY	1005856529	SILVER CREEK JCT	I-80 & US HWY 40	84060	FINDS
PARK CITY	1000657479	GENEVA ROCK	40 HWY & QUEENS JUNCTION	84060	RCRIS-SQG, FINDS
PARK CITY	U003379105	SILVER CREEK WATER RECLAMATION FACILITY	7155 N 1540 E SILVER CREEK JUNCTION	84060	UST
PARK CITY	1003862196	SILVER MAPLE CLAIMS	HIGHWAY 248, 30 MI E OF SALT LAKE CITY	84060	CERCLIS, FINDS
PARK CITY	1001212384	EMPIRE CANYON	1/2M SW FROM S END OF HISTORIC PARK CIT	84060	CERCLIS, FINDS
PARK CITY	1006192871	SILVER CREEK TAILINGS	INTERSECTION HWY 224 & US 40	84060	FINDS
PARK CITY	1000710117	OLD PARK CITY DUMP	ON IRONHORSELOOP E BONANZA DRIVE	84060	CERCLIS, FINDS
PARK CITY	1004788590	CHEVRON PIPE LINE KIMBALL JUNCTION STATI	JCT I-80 & STATE HWY 224	84060	RCRIS-SQG, FINDS
PARK CITY	1005856531	SILVER MEADOWS ESTATES	KEARNS BOULEVARD	84060	FINDS
PARK CITY	1001126523	MARSAC MILLS	MASAC AND HERBER AVENUES IN PARK CITY	84060	CERCLIS, FINDS
PARK CITY	1006918852	SILVER CREEK ACADEMY	1306 E. OAK RIDGE ROAD NORTH	84098	FTTS
PARK CITY	U003379142	SILVER CREEK JCT.	7100 N SILVER CREEK RD	84098	LUST, UST
PARK CITY	1000430713	SILVER CREEK TAILINGS	SUMMIT CTY	84060	CERCLIS, FINDS

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

**Elapsed ASTM days:** Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

## **FEDERAL ASTM STANDARD RECORDS**

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

Source: EPA

Telephone: N/A

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

Date of Government Version: 07/22/03

Date Made Active at EDR: 08/26/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/04/03

Elapsed ASTM days: 22

Date of Last EDR Contact: 08/04/03

### **NPL Site Boundaries**

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1

Telephone 617-918-1143

EPA Region 3

Telephone 215-814-5418

EPA Region 4

Telephone 404-562-8033

EPA Region 6

Telephone: 214-655-6659

EPA Region 8

Telephone: 303-312-6774

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

Source: EPA

Telephone: N/A

Date of Government Version: 06/10/03

Date Made Active at EDR: 08/26/03

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/04/03

Elapsed ASTM days: 22

Date of Last EDR Contact: 08/04/03

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

Source: EPA

Telephone: 703-413-0223

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: 09/11/03

Date Made Active at EDR: 10/29/03

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/24/03

Elapsed ASTM days: 35

Date of Last EDR Contact: 09/24/03

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

Source: EPA

Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/11/03  
Date Made Active at EDR: 10/29/03  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/24/03  
Elapsed ASTM days: 35  
Date of Last EDR Contact: 09/24/03

## **CORRACTS:** Corrective Action Report

Source: EPA  
Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/13/03  
Date Made Active at EDR: 09/18/03  
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/22/03  
Elapsed ASTM days: 27  
Date of Last EDR Contact: 09/08/03

## **RCRIS:** Resource Conservation and Recovery Information System

Source: EPA  
Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/10/03  
Date Made Active at EDR: 10/01/03  
Database Release Frequency: Varies

Date of Data Arrival at EDR: 09/11/03  
Elapsed ASTM days: 20  
Date of Last EDR Contact: 09/11/03

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

Source: National Response Center, United States Coast Guard  
Telephone: 202-260-2342

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

Date of Government Version: 12/31/02  
Date Made Active at EDR: 02/03/03  
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/27/03  
Elapsed ASTM days: 7  
Date of Last EDR Contact: 10/27/03

## **FEDERAL ASTM SUPPLEMENTAL RECORDS**

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

Source: EPA/NTIS  
Telephone: 800-424-9346

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

Date of Government Version: 12/01/01  
Database Release Frequency: Biennially

Date of Last EDR Contact: 10/01/03  
Date of Next Scheduled EDR Contact: 12/15/03

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

Source: EPA Regional Offices  
Telephone: Varies

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: N/A  
Database Release Frequency: Varies

Date of Last EDR Contact: N/A  
Date of Next Scheduled EDR Contact: N/A

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**ROD: Records Of Decision**

Source: EPA  
Telephone: 703-416-0223

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: 07/09/03  
Database Release Frequency: Annually

Date of Last EDR Contact: 10/08/03  
Date of Next Scheduled EDR Contact: 01/05/04

**DELISTED NPL: National Priority List Deletions**

Source: EPA  
Telephone: N/A

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

Date of Government Version: 07/22/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/04/03  
Date of Next Scheduled EDR Contact: 11/03/03

**FINDS: Facility Index System/Facility Identification Initiative Program Summary Report**

Source: EPA  
Telephone: N/A

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: 07/25/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/07/03  
Date of Next Scheduled EDR Contact: 01/05/04

**HMIRS: Hazardous Materials Information Reporting System**

Source: U.S. Department of Transportation  
Telephone: 202-366-4555

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

Date of Government Version: 03/31/03  
Database Release Frequency: Annually

Date of Last EDR Contact: 10/23/03  
Date of Next Scheduled EDR Contact: 01/19/04

**MLTS: Material Licensing Tracking System**

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169

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: 07/16/03  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/07/03  
Date of Next Scheduled EDR Contact: 01/05/04

**MINES: Mines Master Index File**

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959

Date of Government Version: 08/27/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 10/01/03  
Date of Next Scheduled EDR Contact: 12/29/03

**NPL LIENS: Federal Superfund Liens**

Source: EPA  
Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/91  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/25/03  
Date of Next Scheduled EDR Contact: 11/24/03

**PADS:** PCB Activity Database System

Source: EPA  
Telephone: 202-564-3887

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: 06/30/03  
Database Release Frequency: Annually

Date of Last EDR Contact: 08/13/03  
Date of Next Scheduled EDR Contact: 11/10/03

**DOD:** Department of Defense Sites

Source: USGS  
Telephone: 703-648-5920

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: 04/01/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/15/03  
Date of Next Scheduled EDR Contact: 11/10/03

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

Source: Environmental Protection Agency  
Telephone: 202-566-2777

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 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: 07/15/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/15/03  
Date of Next Scheduled EDR Contact: 12/15/03

**RAATS:** RCRA Administrative Action Tracking System

Source: EPA  
Telephone: 202-564-4104

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

Date of Government Version: 04/17/95  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 09/08/03  
Date of Next Scheduled EDR Contact: 12/08/03

**TRIS:** Toxic Chemical Release Inventory System

Source: EPA  
Telephone: 202-260-1531

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: 12/31/01  
Database Release Frequency: Annually

Date of Last EDR Contact: 09/23/03  
Date of Next Scheduled EDR Contact: 12/22/03

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**TSCA: Toxic Substances Control Act**

Source: EPA

Telephone: 202-260-5521

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: 12/31/98

Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 09/02/03

Date of Next Scheduled EDR Contact: 12/08/03

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

Source: EPA

Telephone: 202-564-2501

Date of Government Version: 08/21/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/23/03

Date of Next Scheduled EDR Contact: 12/22/03

**SSTS: Section 7 Tracking Systems**

Source: EPA

Telephone: 202-564-5008

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: 12/31/01

Database Release Frequency: Annually

Date of Last EDR Contact: 10/20/03

Date of Next Scheduled EDR Contact: 01/19/04

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

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-564-2501

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: 08/21/03

Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/23/03

Date of Next Scheduled EDR Contact: 12/22/03

**STATE OF UTAH ASTM STANDARD RECORDS**

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

Source: EPA

Telephone: 703-413-0223

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 Made Active at EDR: N/A

Database Release Frequency: N/A

Date of Data Arrival at EDR: N/A

Elapsed ASTM days: N/A

Date of Last EDR Contact: 09/02/03

**SWF/LF: List of Landfills**

Source: Department of Environmental Quality

Telephone: 801-538-6170

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/01/03  
Date Made Active at EDR: 06/02/03  
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 05/16/03  
Elapsed ASTM days: 17  
Date of Last EDR Contact: 08/12/03

**LUST:** Sites with Leaking Underground Storage Tanks

Source: Department of Environmental Quality  
Telephone: 801-536-4115

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

Date of Government Version: 07/01/03  
Date Made Active at EDR: 08/29/03  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 08/19/03  
Elapsed ASTM days: 10  
Date of Last EDR Contact: 08/19/03

**UST:** List of Sites with Underground Storage Tanks

Source: Department of Environmental Quality  
Telephone: 801-536-4115

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

Date of Government Version: 07/01/03  
Date Made Active at EDR: 09/08/03  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 08/19/03  
Elapsed ASTM days: 20  
Date of Last EDR Contact: 08/19/03

**VCP:** Voluntary Cleanup Sites List

Source: Department of Environmental Quality  
Telephone: 801-536-4100

Date of Government Version: 09/19/03  
Date Made Active at EDR: 10/01/03  
Database Release Frequency: Varies

Date of Data Arrival at EDR: 09/23/03  
Elapsed ASTM days: 8  
Date of Last EDR Contact: 09/02/03

**INDIAN UST:** Underground Storage Tanks on Indian Land

Source: EPA Region 8  
Telephone: 303-312-6137

Date of Government Version: 10/03/03  
Date Made Active at EDR: 10/10/03  
Database Release Frequency: Varies

Date of Data Arrival at EDR: 10/03/03  
Elapsed ASTM days: 7  
Date of Last EDR Contact: 08/25/03

**STATE OF UTAH ASTM SUPPLEMENTAL RECORDS**

**AST:** Listing of Aboveground Storage Tanks

Source: Department of Environmental Quality  
Telephone: 801-536-4100

Date of Government Version: 09/29/03  
Database Release Frequency: Varies

Date of Last EDR Contact: 09/23/03  
Date of Next Scheduled EDR Contact: 12/22/03

**SPILLS:** Spills Data

Source: Department of Environmental Quality  
Telephone: 801-536-4100

Incidents reported to the Division of Environmental Response and Remediation

Date of Government Version: 06/18/03  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 08/12/03  
Date of Next Scheduled EDR Contact: 11/10/03

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## EDR PROPRIETARY HISTORICAL DATABASES

**Former Manufactured Gas (Coal Gas) Sites:** The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

### **Disclaimer Provided by Real Property Scan, Inc.**

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

## BROWNFIELDS DATABASES

### **VCP:** Voluntary Cleanup Sites List

Source: Department of Environmental Quality  
Telephone: 801-536-4100

Date of Government Version: 09/19/03  
Database Release Frequency: Varies

Date of Last EDR Contact: 09/02/03  
Date of Next Scheduled EDR Contact: 12/01/03

### **BROWNFIELDS:** Brownfields Assessment Sites

Source: Department of Environmental Quality  
Telephone: 801-536-4100

Date of Government Version: N/A  
Database Release Frequency: Varies

Date of Last EDR Contact: N/A  
Date of Next Scheduled EDR Contact: N/A

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

Source: Environmental Protection Agency  
Telephone: 202-566-2777

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 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: N/A  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A  
Date of Next Scheduled EDR Contact: N/A

## OTHER DATABASE(S)

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

## **Electric Power Transmission Line Data**

Source: PennWell Corporation

Telephone: (800) 823-6277

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

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

## **AHA Hospitals:**

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

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

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

## **Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

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

## **Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

## **Private Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

## **Daycare Centers: Child Care Provider List**

Source: Department of Health

Telephone: 801-538-9299

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

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

## **STREET AND ADDRESS INFORMATION**

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

### TARGET PROPERTY ADDRESS

SILVER MOUNTAIN  
SILVER MOUNTAIN  
PARK CITY, UT 84060

### TARGET PROPERTY COORDINATES

Latitude (North):	40.672199 - 40° 40' 19.9"
Longitude (West):	111.481903 - 111° 28' 54.9"
Universal Transverse Mercator:	Zone 12
UTM X (Meters):	459270.2
UTM Y (Meters):	4502269.5
Elevation:	7022 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

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. 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.

# 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).

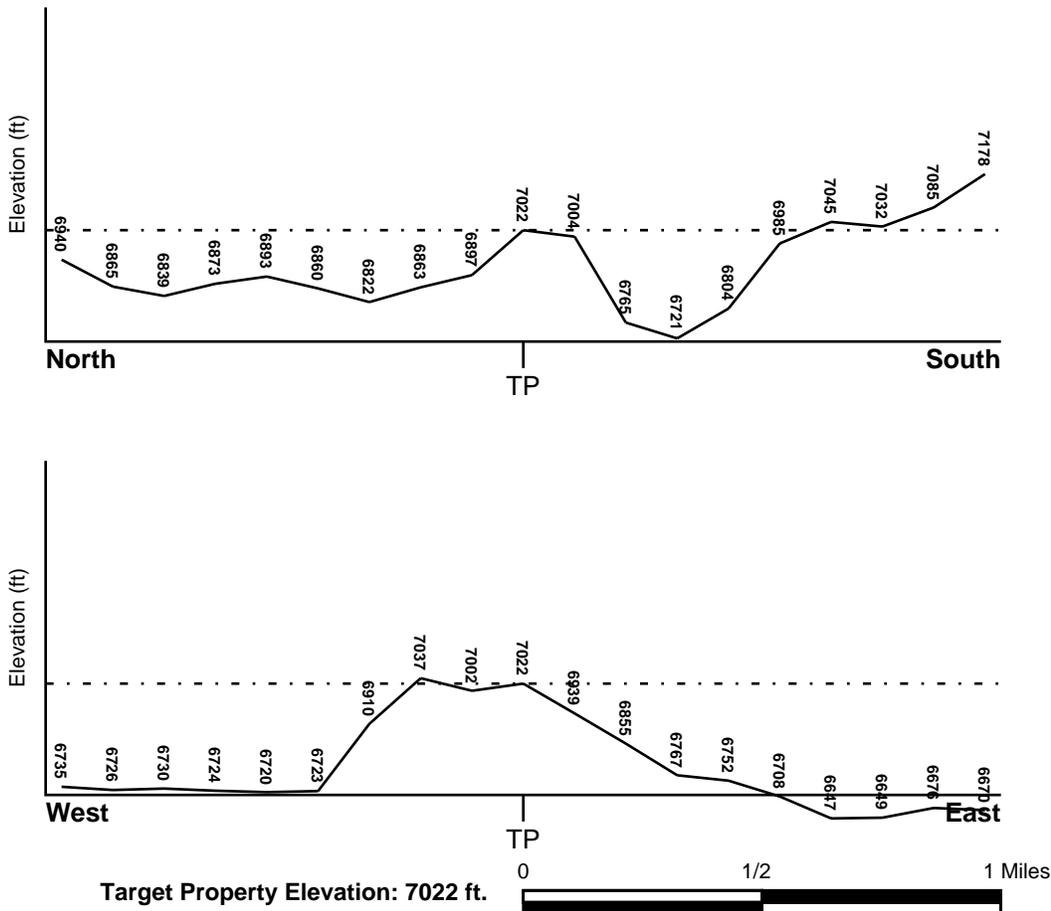
## TOPOGRAPHIC INFORMATION

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

USGS Topographic Map: 2440111-F4 PARK CITY EAST, UT  
General Topographic Gradient: General ESE  
Source: USGS 7.5 min quad index

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## **HYDROLOGIC INFORMATION**

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

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

## **FEMA FLOOD ZONE**

<u>Target Property County</u> SUMMIT, UT	<u>FEMA Flood Electronic Data</u> Not Available
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Flood Plain Panel at Target Property: Not Reported

Additional Panels in search area: Not Reported

## **NATIONAL WETLAND INVENTORY**

<u>NWI Quad at Target Property</u> PARK CITY EAST	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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## **HYDROGEOLOGIC INFORMATION**

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

## **AQUIFLOW®**

Search Radius: 1.000 Mile.

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

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

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

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

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

### **ROCK STRATIGRAPHIC UNIT**

Era: Cenozoic  
System: Tertiary  
Series: Lower Tertiary volcanic rocks  
Code: ITV *(decoded above as Era, System & Series)*

### **GEOLOGIC AGE IDENTIFICATION**

Category: Volcanic Rocks

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: KOVICH

Soil Surface Texture: loam

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: Poorly. Soils may have a saturated zone, a layer of low hydraulic conductivity, or seepage. Depth to water table is less than 1 foot.

Hydric Status: Soil meets the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.20	Max: 7.80 Min: 6.10
2	9 inches	29 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 0.60 Min: 0.20	Max: 7.80 Min: 6.10
3	29 inches	44 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 2.00 Min: 0.60	Max: 7.80 Min: 6.60
4	44 inches	60 inches	very gravelly - loamy fine sand	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 6.00 Min: 2.00	Max: 7.80 Min: 6.10

### OTHER SOIL TYPES IN AREA

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

Soil Surface Textures: gravelly - loam  
cobbly - loam

Surficial Soil Types: gravelly - loam  
cobbly - loam

Shallow Soil Types: cobbly - clay  
very fine sandy loam

Deeper Soil Types: very cobbly - sandy clay loam  
very gravelly - loamy coarse sand  
very gravelly - sand  
loam  
gravelly - clay  
very gravelly - loamy sand

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater 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 State Database	Nearest PWS within 1 mile
	1.000

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS1043864	1/8 - 1/4 Mile NE
2	USGS1044234	1/8 - 1/4 Mile SE
3	USGS1044214	1/4 - 1/2 Mile South
4	USGS1044213	1/4 - 1/2 Mile SW
5	USGS1044233	1/4 - 1/2 Mile SW
A6	USGS1044235	1/4 - 1/2 Mile WSW
A7	USGS1044236	1/4 - 1/2 Mile WSW
A8	USGS1043861	1/4 - 1/2 Mile WSW
B9	USGS1044211	1/4 - 1/2 Mile SW
B10	USGS1044212	1/4 - 1/2 Mile SW
11	USGS1043867	1/2 - 1 Mile WNW
C15	USGS1043904	1/2 - 1 Mile WSW
16	USGS1044209	1/2 - 1 Mile SW
17	USGS1043869	1/2 - 1 Mile ENE
18	USGS1043907	1/2 - 1 Mile East
D19	USGS1044230	1/2 - 1 Mile SW
D20	USGS1044229	1/2 - 1 Mile SW
21	USGS1043874	1/2 - 1 Mile NNE
E22	USGS1044210	1/2 - 1 Mile WSW
23	USGS1043905	1/2 - 1 Mile West
F24	USGS1044231	1/2 - 1 Mile SW
E25	USGS1044232	1/2 - 1 Mile WSW
F26	USGS1043835	1/2 - 1 Mile WSW
29	USGS1044237	1/2 - 1 Mile West
30	USGS1043920	1/2 - 1 Mile NNE
31	USGS1043858	1/2 - 1 Mile WSW

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
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# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

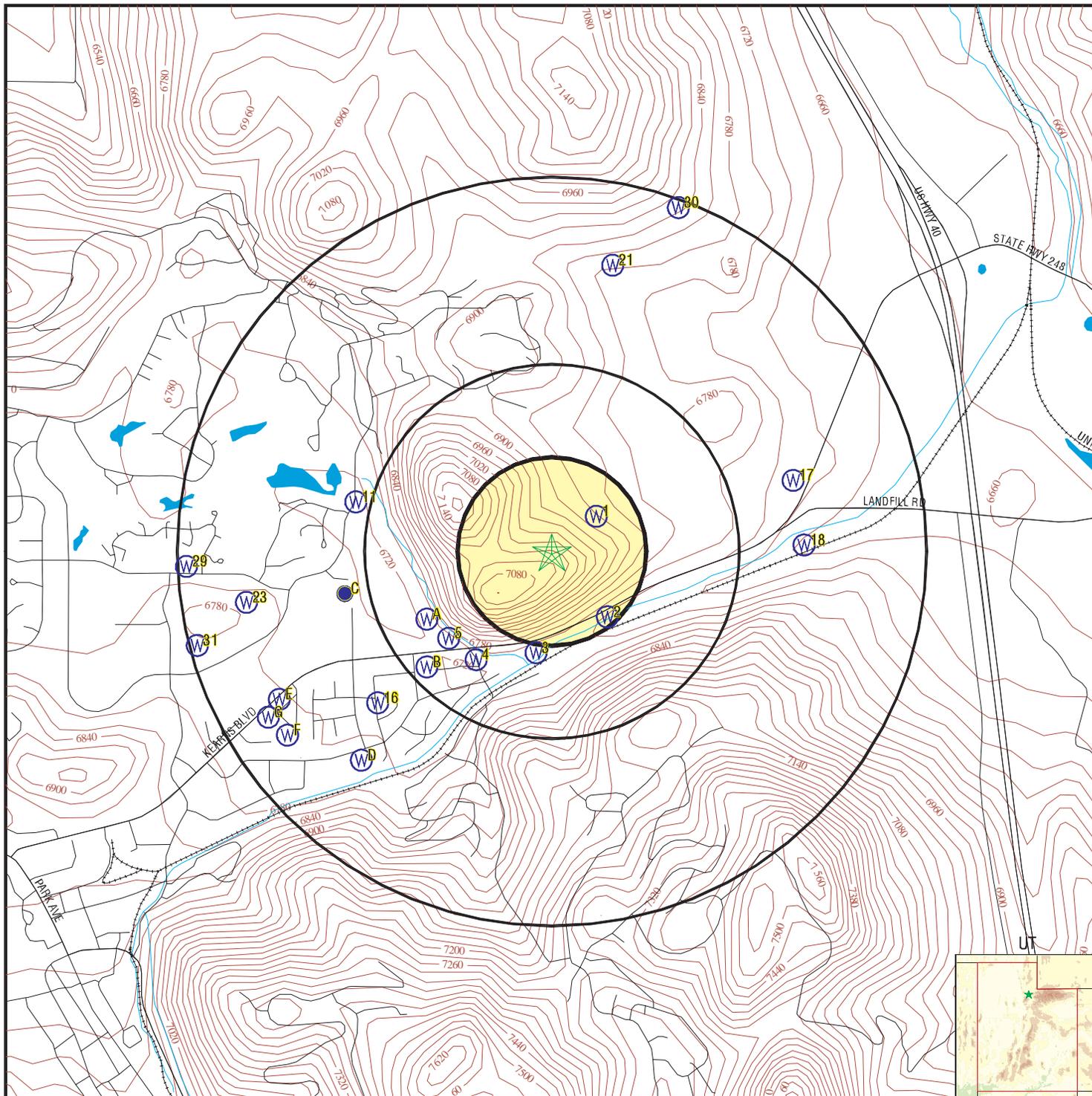
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C14	UT4900337	1/2 - 1 Mile West

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

## STATE DATABASE WELL INFORMATION

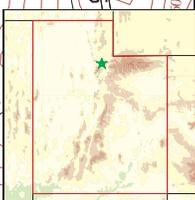
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
C12	2742	1/2 - 1 Mile West
C13	2741	1/2 - 1 Mile West
G27	2746	1/2 - 1 Mile WSW
G28	2745	1/2 - 1 Mile WSW

# PHYSICAL SETTING SOURCE MAP - 01075244.1r



- 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
- Oil, gas or related wells



**TARGET PROPERTY:** Silver Mountain  
**ADDRESS:** Silver Mountain  
**CITY/STATE/ZIP:** Park City UT 84060  
**LAT/LONG:** 40.6722 / 111.4819

**CUSTOMER:** URS Corporation  
**CONTACT:** Tammi Messersmith  
**INQUIRY #:** 01075244.1r  
**DATE:** November 03, 2003 7:20 am

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**  
**NE**  
**1/8 - 1/4 Mile**  
**Lower**

**FED USGS      USGS1043864**

Agency:	USGS	Site ID:	404025111284401
Site Name:	(D- 2- 4) 3dba- 1		
Dec. Latitude:	40.67356		
Dec. Longitude:	-111.47964		
Coord Sys:	NAD83		
State:	UT		
County:	Summit County		
Altitude:	6840.		
Hydrologic code:	16020101		
Topographic:	Undulating		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	19950510
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 15

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1993-12-10	111.85		1993-10-06	111.16	
1993-05-07	109.91		1992-04-07	115.13	
1992-03-05	111.19		1992-02-14	111.62	
1992-01-24	113.62		1991-11-08	112.00	
1991-10-15	112.28		1991-04-23	110.47	
1991-04-04	111.10		1991-03-12	112.20	
1991-02-04	112.33		1991-01-03	116.11	
1990-09-26	112.89				

**2**  
**SE**  
**1/8 - 1/4 Mile**  
**Lower**

**FED USGS      USGS1044234**

Agency:	USGS	Site ID:	404011111284201
Site Name:	(D- 2- 4) 3dcd- 1		
Dec. Latitude:	40.66967		
Dec. Longitude:	-111.47908		
Coord Sys:	NAD83		
State:	UT		
County:	Summit County		
Altitude:	6680		
Hydrologic code:	16020101		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19870731	Inven Date:	19870807
Well Type:	Single well, other than collector or Ranney type		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer: 111ALVM  
 Aquifer type: Unconfined single aquifer  
 Well depth: 11.0  
 Hole depth: 13.0  
 Project no: Not Reported

Source: G

Ground-water levels, Number of Measurements: 9

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-05-04	0.31		1988-04-14	1.00	
1988-04-12	1.01		1988-02-26	1.15	
1988-01-08	1.65		1987-12-02	1.50	
1987-11-24	1.35		1987-09-03	1.81	
1987-08-07	1.71				

**3**  
**South**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS USGS1044214**

Agency: USGS  
 Site Name: (D- 2- 4) 3cdd- 1  
 Dec. Latitude: 40.66828  
 Dec. Longitude: -111.4827  
 Coord Sys: NAD83  
 State: UT  
 County: Summit County  
 Altitude: 6800  
 Hydrologic code: 16020101  
 Topographic: Valley flat  
 Site Type: Ground-water other than Spring  
 Const Date: Not Reported  
 Well Type: Drain dug to water table or potentiometric surface to either lower ground-water level or serve as a water supply  
 Primary Aquifer: 111ALVM  
 Aquifer type: Not Reported  
 Well depth: Not Reported  
 Hole depth: Not Reported  
 Project no: Not Reported

Site ID: 404006111285501  
 Inven Date: 19870902  
 Source: Not Reported

Ground-water levels, Number of Measurements: 0

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

**FED USGS USGS1044213**

Agency: USGS  
 Site Name: (D- 2- 4)10bab- 1  
 Dec. Latitude: 40.66801  
 Dec. Longitude: -111.48575  
 Coord Sys: NAD83  
 State: UT  
 County: Summit County  
 Altitude: 6707.90  
 Hydrologic code: 16020101  
 Topographic: Valley flat  
 Site Type: Ground-water other than Spring  
 Const Date: 19870729  
 Well Type: Single well, other than collector or Ranney type

Site ID: 404005111290601  
 Inven Date: 19870807

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer: 111ALVM  
 Aquifer type: Unconfined single aquifer  
 Well depth: 15.5  
 Hole depth: 16.5  
 Project no: Not Reported

Source: G

Ground-water levels, Number of Measurements: 26

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-05-04	5.20		1988-04-15	5.58	
1988-04-13	5.67		1988-04-05	5.88	
1988-03-31	5.71		1988-02-25	6.22	
1988-02-21	6.78		1988-02-20	7.03	
1988-02-19	7.03		1988-02-18	6.93	
1988-02-17	6.82		1988-02-16	6.75	
1988-02-15	6.68		1988-02-14	6.79	
1988-02-13	6.65		1988-02-12	6.74	
1988-02-11	6.80		1988-02-10	6.93	
1988-02-09	6.98		1988-02-08	6.95	
1988-01-08	7.29		1987-12-02	6.86	
1987-11-24	6.51		1987-10-14	5.50	
1987-09-02	6.19		1987-08-07	6.33	

**5**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS USGS1044233**

Agency: USGS  
 Site Name: (D- 2- 4) 3cdc- 1  
 Dec. Latitude: 40.66884  
 Dec. Longitude: -111.48714  
 Coord Sys: NAD83  
 State: UT  
 County: Summit County  
 Altitude: 6715.89  
 Hydrologic code: 16020101  
 Topographic: Valley flat  
 Site Type: Ground-water other than Spring  
 Const Date: Not Reported  
 Well Type: Single well, other than collector or Ranney type  
 Primary Aquifer: 111ALVM  
 Aquifer type: Unconfined single aquifer  
 Well depth: Not Reported  
 Hole depth: 85.0  
 Project no: Not Reported

Site ID: 404008111291101  
 Inven Date: Not Reported  
 Source: Not Reported

Ground-water levels, Number of Measurements: 17

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-05-03	8.32		1988-04-14	8.97	
1988-04-12	8.99		1988-04-05	9.08	
1988-02-26	9.46		1988-02-21	9.70	
1988-02-20	9.75		1988-02-19	9.77	
1988-02-18	9.64		1988-02-17	9.54	
1988-02-16	9.50		1988-02-15	9.52	
1988-02-14	9.52		1988-02-12	9.49	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-02-11	9.53		1988-02-10	9.57	
1988-02-09	9.59				

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

**FED USGS      USGS1044235**

Agency:	USGS	Site ID:	404011111291401
Site Name:	(D- 2- 4) 3ccd- 2		
Dec. Latitude:	40.66967		
Dec. Longitude:	-111.48797		
Coord Sys:	NAD83		
State:	UT		
County:	Summit County		
Altitude:	6715		
Hydrologic code:	16020101		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	19870902
Well Type:	Drain dug to water table or potentiometric surface to either lower ground-water level or serve as a water supply		
Primary Aquifer:	111ALVM		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**A7  
WSW  
1/4 - 1/2 Mile  
Lower**

**FED USGS      USGS1044236**

Agency:	USGS	Site ID:	404011111291501
Site Name:	(D- 2- 4) 3ccd- 1		
Dec. Latitude:	40.66967		
Dec. Longitude:	-111.48825		
Coord Sys:	NAD83		
State:	UT		
County:	Summit County		
Altitude:	6711.19		
Hydrologic code:	16020101		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19870831	Inven Date:	19870831
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	111ALVM		
Aquifer type:	Confined single aquifer		
Well depth:	20.0		
Hole depth:	21.5	Source:	G
Project no:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 24

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-05-03	1.50		1988-04-14	1.72	
1988-04-12	1.72		1988-04-05	1.79	
1988-02-26	2.44		1988-02-21	2.50	
1988-02-20	2.55		1988-02-19	2.53	
1988-02-18	2.44		1988-02-17	2.45	
1988-02-16	2.42		1988-02-15	2.42	
1988-02-14	2.47		1988-02-12	2.47	
1988-02-11	2.50		1988-02-10	2.52	
1988-02-09	2.53		1988-02-08	2.53	
1988-02-06	2.53		1988-01-12	2.70	
1987-12-02	2.53		1987-11-24	2.44	
1987-10-14	2.18		1987-09-03	2.12	

**A8**  
**WSW**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS USGS1043861**

Agency:	USGS	Site ID:	404010111291601
Site Name:	(D- 2- 4) 3ccd- 3		
Dec. Latitude:	40.6694		
Dec. Longitude:	-111.48853		
Coord Sys:	NAD83		
State:	UT		
County:	Summit County		
Altitude:	6700		
Hydrologic code:	16020101		
Topographic:	Flood plain		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	19910809
Well Type:	Drain dug to water table or potentiometric surface to either lower ground-water level or serve as a water supply		
Primary Aquifer:	111ALVM		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**B9**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS USGS1044211**

Agency:	USGS	Site ID:	404004111291501
Site Name:	(D- 2- 4)10bba- 1		
Dec. Latitude:	40.66773		
Dec. Longitude:	-111.48825		
Coord Sys:	NAD83		
State:	UT		
County:	Summit County		
Altitude:	6722.46		
Hydrologic code:	16020101		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19870721	Inven Date:	19870807
Well Type:	Single well, other than collector or Ranney type		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer: 111ALVM  
 Aquifer type: Unconfined single aquifer  
 Well depth: 25.5  
 Hole depth: 25.5  
 Project no: Not Reported

Source: G

Ground-water levels, Number of Measurements: 29

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-05-03	10.82		1988-04-12	10.88	
1988-04-11	10.88		1988-04-05	10.89	
1988-03-31	10.93		1988-03-29	10.94	
1988-03-24	11.01		1988-03-16	11.07	
1988-02-25	11.19		1988-02-21	11.18	
1988-02-20	11.19		1988-02-19	11.18	
1988-02-18	11.20		1988-02-17	11.19	
1988-02-16	11.19		1988-02-15	11.19	
1988-02-14	11.17		1988-02-13	11.19	
1988-02-12	11.18		1988-02-11	11.19	
1988-02-10	11.20		1988-02-09	11.20	
1988-02-08	11.20		1988-01-07	11.12	
1987-12-01	10.97		1987-11-24	10.93	
1987-10-14	10.89		1987-09-02	10.77	
1987-08-07	10.69				

**B10**  
**SW**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS USGS1044212**

Agency: USGS  
 Site Name: (D- 2- 4)10bba- 2  
 Dec. Latitude: 40.66773  
 Dec. Longitude: -111.48825  
 Coord Sys: NAD83  
 State: UT  
 County: Summit County  
 Altitude: 6722.59  
 Hydrologic code: 16020101  
 Topographic: Valley flat  
 Site Type: Ground-water other than Spring  
 Const Date: Not Reported  
 Well Type: Single well, other than collector or Ranney type  
 Primary Aquifer: 111ALVM  
 Aquifer type: Unconfined single aquifer  
 Well depth: Not Reported  
 Hole depth: 138.0  
 Project no: Not Reported

Site ID: 404004111291502  
 Inven Date: Not Reported  
 Source: Not Reported

Ground-water levels, Number of Measurements: 29

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1995-09-05	16.41		1995-08-03	14.34	
1995-07-07	13.16		1995-06-12	12.15	
1995-05-10	13.11		1995-04-06	12.84	
1995-03-14	13.85		1994-12-14	20.69	
1994-11-09	15.12		1994-10-06	15.95	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-10-03	16.76		1994-09-09	19.64	
1994-08-11	19.71		1994-07-12	17.74	
1988-05-05	13.67		1988-04-12	14.25	
1988-04-11	14.28		1988-04-05	14.42	
1988-03-31	14.67		1988-03-29	14.50	
1988-03-24	14.68		1988-03-16	14.99	
1988-02-25	15.54		1988-02-21	15.72	
1988-02-20	15.75		1988-02-19	15.73	
1988-02-18	15.66		1988-02-17	15.63	
1988-02-16	15.63				

**11  
WNW  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS1043867**

Agency:	USGS	Site ID:	404027111292801
Site Name:	PARK MEADOWS EXCAVATION		
Dec. Latitude:	40.67412		
Dec. Longitude:	-111.49186		
Coord Sys:	NAD83		
State:	UT		
County:	Summit County		
Altitude:	6700		
Hydrologic code:	16020101		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	19870707
Well Type:	Excavation		
Primary Aquifer:	111ALVM		
Aquifer type:	Unconfined single aquifer		
Well depth:	Not Reported		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C12  
West  
1/2 - 1 Mile  
Lower**

**UT WELLS      2742**

System Name:	PARK CITY		
Source Name:	MIDDLE SCHOOL	Source Number:	01
Latitude:	40°40'15.0"	Longitude:	111°29'30.0"

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

**UT WELLS      2741**

System Name:	PARK CITY		
Source Name:	MIDDLE SCHOOL	Source Number:	02
Latitude:	40°40'15.0"	Longitude:	111°29'30.0"

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

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

**FRDS PWS      UT4900337**

PWS ID:                      UT4900337                      PWS Status:    Not Reported  
 Date Initiated:            Not Reported                      Date Deactivated: Not Reported  
 PWS Name:                      PARK CITY  
     PO BOX 1480  
     PARK CITY, UT 84060

Treatment Objective: DISINFECTION  
 Treatment Process: GASEOUS CHLORINATION, POST  
 Source: Ground water

Addressee / Facility:      Not Reported

Facility Latitude:	40 37 33.0000	Facility Longitude:	111 30 11.0000
Facility Latitude:	40 39 4.0000	Facility Longitude:	111 31 24.0000
Facility Latitude:	40 39 4.0000	Facility Longitude:	111 31 25.0000
Facility Latitude:	40 40 6.0000	Facility Longitude:	111 30 34.0000
Facility Latitude:	40 40 15.0000	Facility Longitude:	111 29 30.0000
City Served:	Not Reported		
Treatment Class:	Mixed (treated and untreated)	Population:	6500

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

**VIOLATIONS INFORMATION:**

Violation ID:	9440022	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	1,2,4-TRICHLOROBENZENE				
Vio. Awareness Date:	081594				

Violation ID:	9440021	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	METHYLENE CHLORIDE (DICHLOROMETHANE)				
Vio. Awareness Date:	081594				

Violation ID:	9440020	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	XYLENES, TOTAL				
Vio. Awareness Date:	081594				

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation ID:	9440019	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	TRANS-1,2-DICHLOROETHYLENE				
Vio. Awareness Date:	081594				
Violation ID:	9440018	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	TOLUENE				
Vio. Awareness Date:	081594				
Violation ID:	9440017	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	TETRACHLOROETHYLENE				
Vio. Awareness Date:	081594				
Violation ID:	9440016	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	STYRENE				
Vio. Awareness Date:	081594				
Violation ID:	9440015	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	O-DICHLOROBENZENE				
Vio. Awareness Date:	081594				
Violation ID:	9440014	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	MONOCHLOROBENZENE (CHLOROBENZENE)				
Vio. Awareness Date:	081594				

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation ID:	9440013	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	ETHYLBENZENE				
Vio. Awareness Date:	081594				
Violation ID:	9440012	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	1,2-DICHLOROPROPANE				
Vio. Awareness Date:	081594				
Violation ID:	9440011	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	CIS-1,2-DICHLOROETHYLENE				
Vio. Awareness Date:	081594				
Violation ID:	9440010	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	1,1,1-TRICHLOROETHANE				
Vio. Awareness Date:	081594				
Violation ID:	9440009	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	P-DICHLOROBENZENE				
Vio. Awareness Date:	081594				
Violation ID:	9440008	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	1,1-DICHLOROETHYLENE				
Vio. Awareness Date:	081594				

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation ID:	9440007	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	TRICHLOROETHYLENE				
Vio. Awareness Date:	081594				
Violation ID:	9440006	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	1,2-DICHLOROETHANE				
Vio. Awareness Date:	081594				
Violation ID:	9440005	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	CARBON TETRACHLORIDE				
Vio. Awareness Date:	081594				
Violation ID:	9440004	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	BENZENE				
Vio. Awareness Date:	081594				
Violation ID:	9440003	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/93	Vio. end Date:	12/31/93	Vio. Period:	012 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	VINYL CHLORIDE				
Vio. Awareness Date:	081594				
Violation ID:	9440002	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/90	Vio. end Date:	12/31/93	Vio. Period:	048 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	GROSS BETA PARTICLE ACTIVITY				
Vio. Awareness Date:	081594				

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Violation ID:	9440001	Source ID:	Not Reported	PWS Phone:	Not Reported
Vio. beginning Date:	01/01/90	Vio. end Date:	12/31/93	Vio. Period:	048 Months
Num required Samples:	Not Reported	Number of Samples Taken:	000		
Analysis Result:	Not Reported	Maximum Contaminant Level:	Not Reported		
Analysis Method:	Not Reported				
Violation Type:	Monitoring, Regular				
Contaminant:	GROSS ALPHA, EXCL. RADON & U				
Vio. Awareness Date:	081594				

**C15**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS1043904**

Agency:	USGS	Site ID:	404012111293001
Site Name:	(D- 2- 4) 4dda- 1		
Dec. Latitude:	40.66995		
Dec. Longitude:	-111.49242		
Coord Sys:	NAD83		
State:	UT		
County:	Summit County		
Altitude:	6720.		
Hydrologic code:	16020101		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19890512	Inven Date:	19930914
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	237TYNS		
Aquifer type:	Not Reported		
Well depth:	327.		
Hole depth:	327.	Source:	D
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 2

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1995-05-12	-6.62		1989-06-16	-5.	

**16**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS1044209**

Agency:	USGS	Site ID:	403959111292401
Site Name:	(D- 2- 4)10bbc- 1		
Dec. Latitude:	40.66634		
Dec. Longitude:	-111.49075		
Coord Sys:	NAD83		
State:	UT		
County:	Summit County		
Altitude:	6731.48		
Hydrologic code:	16020101		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19870721	Inven Date:	19870807
Well Type:	Single well, other than collector or Ranney type		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer: 111ALVM  
 Aquifer type: Unconfined single aquifer  
 Well depth: 29.0  
 Hole depth: 29.0 Source: G  
 Project no: Not Reported

Ground-water levels, Number of Measurements: 24

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-05-04	12.31		1988-04-12	12.96	
1988-03-31	13.78		1988-02-24	16.40	
1988-02-21	16.45		1988-02-20	16.45	
1988-02-19	16.45		1988-02-18	16.45	
1988-02-17	16.45		1988-02-16	16.45	
1988-02-15	16.47		1988-02-14	16.47	
1988-02-13	16.48		1988-02-12	16.47	
1988-02-11	16.46		1988-02-10	16.46	
1988-02-09	16.45		1988-02-08	16.45	
1988-01-08	16.08		1987-12-01	15.26	
1987-11-24	15.09		1987-10-14	14.71	
1987-09-02	13.44		1987-08-07	13.31	

**17**  
**ENE**  
**1/2 - 1 Mile**  
**Lower**

FED USGS USGS1043869

Agency: USGS Site ID: 404030111281601  
 Site Name: (D- 2- 4) 2cba- 1  
 Dec. Latitude: 40.67495  
 Dec. Longitude: -111.46964  
 Coord Sys: NAD83  
 State: UT  
 County: Summit County  
 Altitude: 6720.00  
 Hydrologic code: 16020101  
 Topographic: Hillside (slope)  
 Site Type: Ground-water other than Spring  
 Const Date: 19620101 Inven Date: Not Reported  
 Well Type: Single well, other than collector or Ranney type  
 Primary Aquifer: Not Reported  
 Aquifer type: Not Reported  
 Well depth: 222  
 Hole depth: Not Reported Source: Not Reported  
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1962-08-01	55.00	

**18**  
**East**  
**1/2 - 1 Mile**  
**Lower**

FED USGS USGS1043907

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency: USGS Site ID: 404021111280601  
 Site Name: (D- 2- 4) 2cbd- 1  
 Dec. Latitude: 40.67245  
 Dec. Longitude: -111.46908  
 Coord Sys: NAD83  
 State: UT  
 County: Summit County  
 Altitude: 6640.00  
 Hydrologic code: 16020101  
 Topographic: Valley flat  
 Site Type: Ground-water other than Spring  
 Const Date: 19640101 Inven Date: Not Reported  
 Well Type: Single well, other than collector or Ranney type  
 Primary Aquifer: Not Reported  
 Aquifer type: Not Reported  
 Well depth: 220  
 Hole depth: Not Reported Source: Not Reported  
 Project no: Not Reported

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1964-05-01	42.00	

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

**FED USGS USGS1044230**

Agency: USGS Site ID: 403951111292702  
 Site Name: (D- 2- 4)10bbc- 3  
 Dec. Latitude: 40.66412  
 Dec. Longitude: -111.49158  
 Coord Sys: NAD83  
 State: UT  
 County: Summit County  
 Altitude: 6741.99  
 Hydrologic code: 16020101  
 Topographic: Valley flat  
 Site Type: Ground-water other than Spring  
 Const Date: Not Reported Inven Date: Not Reported  
 Well Type: Single well, other than collector or Ranney type  
 Primary Aquifer: 111ALVM  
 Aquifer type: Unconfined single aquifer  
 Well depth: Not Reported  
 Hole depth: 95.5 Source: Not Reported  
 Project no: Not Reported

Ground-water levels, Number of Measurements: 24

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1995-09-05	30.66		1995-08-02	28.78	
1995-07-19	27.65		1995-06-12	25.15	
1995-05-10	26.96		1995-04-06	25.28	
1995-03-14	27.09		1995-02-13	30.47	
1995-01-12	32.34		1994-12-14	33.07	
1994-11-09	30.08		1994-10-06	31.23	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1994-10-03	31.66		1994-09-09	31.72	
1994-08-11	31.68		1994-07-12	31.00	
1988-05-05	28.09		1988-04-12	28.34	
1988-04-11	28.40		1988-04-05	28.65	
1988-03-31	28.97		1988-03-24	29.71	
1988-03-16	30.56		1988-02-25	33.02	

**D20  
SW  
1/2 - 1 Mile  
Lower**

**FED USGS USGS1044229**

Agency:	USGS	Site ID:	403951111292701
Site Name:	(D- 2- 4)10bbc- 2		
Dec. Latitude:	40.66412		
Dec. Longitude:	-111.49158		
Coord Sys:	NAD83		
State:	UT		
County:	Summit County		
Altitude:	6741.04		
Hydrologic code:	16020101		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19870727	Inven Date:	19870807
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	111ALVM		
Aquifer type:	Unconfined single aquifer		
Well depth:	33.0		
Hole depth:	34.0	Source:	G
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 27

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-05-04	13.72		1988-04-12	13.79	
1988-04-11	13.81		1988-04-05	14.15	
1988-03-31	14.25		1988-03-24	15.45	
1988-03-16	16.59		1988-02-25	22.14	
1988-02-20	22.31		1988-02-19	22.23	
1988-02-18	22.20		1988-02-17	22.25	
1988-02-16	22.25		1988-02-15	22.25	
1988-02-14	22.25		1988-02-13	22.28	
1988-02-12	22.25		1988-02-11	22.25	
1988-02-10	22.24		1988-02-09	22.22	
1988-02-06	22.18		1988-01-07	21.47	
1987-12-01	19.93		1987-11-24	19.29	
1987-10-14	19.70		1987-09-01	16.38	
1987-08-07	15.96				

**21  
NNE  
1/2 - 1 Mile  
Lower**

**FED USGS USGS1043874**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	404100111284101
Site Name:	(D- 1- 4)34dcd-S1		
Dec. Latitude:	40.68328		
Dec. Longitude:	-111.47881		
Coord Sys:	NAD83		
State:	UT		
County:	Summit County		
Altitude:	6750.00		
Hydrologic code:	16020101		
Topographic:	Hillside (slope)		
Site Type:	Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Spring		
Primary Aquifer:	123PRKC		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

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

**FED USGS      USGS1044210**

Agency:	USGS	Site ID:	404001111294101
Site Name:	(D- 2- 4) 9aab- 1		
Dec. Latitude:	40.66689		
Dec. Longitude:	-111.49547		
Coord Sys:	NAD83		
State:	UT		
County:	Summit County		
Altitude:	6743.35		
Hydrologic code:	16020101		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19870729	Inven Date:	19870807
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	111ALVM		
Aquifer type:	Unconfined single aquifer		
Well depth:	35.5		
Hole depth:	36.0	Source:	G
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 24

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-05-04	21.87		1988-04-12	22.49	
1988-03-31	22.68		1988-02-24	25.40	
1988-02-21	25.46		1988-02-20	25.45	
1988-02-19	25.41		1988-02-18	25.38	
1988-02-17	25.38		1988-02-16	25.39	
1988-02-15	25.40		1988-02-14	25.43	
1988-02-12	25.49		1988-02-11	25.52	
1988-02-10	25.54		1988-02-09	25.54	
1988-02-08	25.53		1988-02-06	25.53	
1988-01-12	25.47		1987-12-01	24.40	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1987-11-24	24.13		1987-10-14	23.35	
1987-09-03	22.45		1987-08-07	22.34	

**23**  
**West**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS1043905**

Agency:	USGS	Site ID:	404013111294801
Site Name:	(D- 2- 4) 4dca-S1		
Dec. Latitude:	40.67023		
Dec. Longitude:	-111.49742		
Coord Sys:	NAD83		
State:	UT		
County:	Summit County		
Altitude:	6740.00		
Hydrologic code:	16020101		
Topographic:	Hillside (slope)		
Site Type:	Spring		
Const Date:	Not Reported	Inven Date:	19880213
Well Type:	Spring		
Primary Aquifer:	237TYNS		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

**F24**  
**SW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS1044231**

Agency:	USGS	Site ID:	403954111293901
Site Name:	(D- 2- 4) 9aac- 3		
Dec. Latitude:	40.66495		
Dec. Longitude:	-111.49492		
Coord Sys:	NAD83		
State:	UT		
County:	Summit County		
Altitude:	6751.41		
Hydrologic code:	16020101		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19870804	Inven Date:	19870807
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	111ALVM		
Aquifer type:	Unconfined single aquifer		
Well depth:	38.5		
Hole depth:	40.5	Source:	G
Project no:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 23

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-05-03	22.49		1988-04-12	22.14	
1988-03-31	22.95		1988-02-24	29.93	
1988-02-21	29.93		1988-02-20	29.92	
1988-02-19	29.91		1988-02-18	29.91	
1988-02-17	29.91		1988-02-16	29.92	
1988-02-15	29.93		1988-02-14	29.93	
1988-02-13	29.97		1988-02-12	29.97	
1988-02-11	29.98		1988-02-10	30.00	
1988-02-09	30.02		1988-01-08	29.90	
1987-12-01	28.63		1987-11-24	28.33	
1987-10-14	27.45		1987-09-01	25.31	
1987-08-07	25.32				

**E25**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS1044232**

Agency: USGS Site ID: 403958111294301  
 Site Name: (D- 2- 4) 9aac- 2  
 Dec. Latitude: 40.66606  
 Dec. Longitude: -111.49603  
 Coord Sys: NAD83  
 State: UT  
 County: Summit County  
 Altitude: 6758.44  
 Hydrologic code: 16020101  
 Topographic: Valley flat  
 Site Type: Ground-water other than Spring  
 Const Date: 19870719 Inven Date: 19870807  
 Well Type: Single well, other than collector or Ranney type  
 Primary Aquifer: 111ALVM  
 Aquifer type: Unconfined single aquifer  
 Well depth: 43.0  
 Hole depth: 44.5 Source: G  
 Project no: Not Reported

Ground-water levels, Number of Measurements: 28

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-03-31	29.73		1988-03-26	28.61	
1988-03-13	29.13		1988-03-11	29.24	
1988-03-05	29.49		1988-02-24	34.52	
1988-02-21	34.83		1988-02-20	34.83	
1988-02-19	34.79		1988-02-18	34.75	
1988-02-17	34.72		1988-02-16	34.65	
1988-02-15	34.65		1988-02-14	34.66	
1988-02-13	34.76		1988-02-12	34.81	
1988-02-11	34.97		1988-02-10	35.05	
1988-02-09	35.06		1988-02-08	35.08	
1988-02-06	35.09		1988-01-08	35.15	
1987-12-09	34.15		1987-11-30	33.72	
1987-11-24	33.34		1987-10-14	31.65	
1987-09-01	29.97		1987-08-07	30.39	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**F26**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS      USGS1043835**

Agency:	USGS	Site ID:	403955111294201
Site Name:	(D- 2- 4) 9aac- 1		
Dec. Latitude:	40.66523		
Dec. Longitude:	-111.49575		
Coord Sys:	NAD83		
State:	UT		
County:	Summit County		
Altitude:	6760.00		
Hydrologic code:	16020101		
Topographic:	Flat surface		
Site Type:	Ground-water other than Spring		
Const Date:	19480726	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	237WDSD		
Aquifer type:	Not Reported		
Well depth:	446		
Hole depth:	446	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 77

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1995-08-03	3.83		1995-07-11	-0.92	
1995-06-13	-5.92		1995-05-10	2.53	
1995-04-12	-2.30		1995-03-14	3.36	
1994-12-14	20.61		1994-11-09	11.78	
1994-10-06	16.46		1994-10-03	17.72	
1994-09-09	15.36		1994-08-11	15.27	
1994-07-14	12.85		1994-05-26	6.84	
1994-04-01	12.89		1993-03-31	0.57	
1992-09-08	27.17		1992-03-31	23.58	
1991-09-16	11.33		1991-03-27	19.00	
1990-09-27	20.47		1990-03-26	20.96	
1989-09-15	12.80		1989-04-06	5.76	
1988-09-28	14.92		1988-05-04	11.44	
1988-04-26	11.61		1988-04-11	12.82	
1988-04-05	14.18		1988-03-31	15.27	
1988-03-24	17.81		1988-02-24	17.81	
1988-02-21	24.99		1988-02-20	25.05	
1988-02-19	25.06		1988-02-18	25.00	
1988-02-17	25.01		1988-02-16	24.95	
1988-02-15	24.93		1988-02-14	25.00	
1988-02-13	25.00		1988-02-12	25.08	
1988-02-11	25.24		1988-02-10	25.25	
1988-02-09	25.25		1988-02-08	25.24	
1988-01-08	24.51		1987-12-09	22.45	
1987-09-29	15.29		1987-03-23	14.76	
1987-02-21	24.99		1987-02-20	25.05	
1987-02-19	25.06		1987-02-18	25.00	
1987-02-17	25.01		1987-02-16	24.95	
1987-02-15	24.93		1987-02-14	25.00	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1987-02-13	25.00		1987-02-12	25.08	
1987-02-11	25.24		1987-02-10	25.25	
1987-02-09	25.25		1987-02-08	25.24	
1987-01-08	24.51		1986-12-09	22.45	
1984-06-22	-0.08		1984-05-25	-0.82	
1984-04-26	-5.75		1984-03-28	1.80	
1984-02-27	15.03		1984-01-20	16.86	
1983-12-21	17.23		1983-11-02	13.54	
1983-09-30	10.16		1983-07-26	8.30	
1948-09-22	20.00				

**G27  
WSW  
1/2 - 1 Mile  
Lower**

**UT WELLS      2746**

System Name:	PARK CITY	Source Number:	01
Source Name:	PACIFIC BRIDGE	Longitude:	111°29'44.0"
Latitude:	40°39'57.0"		

**G28  
WSW  
1/2 - 1 Mile  
Lower**

**UT WELLS      2745**

System Name:	PARK CITY	Source Number:	02
Source Name:	PACIFIC BRIDGE	Longitude:	111°29'44.0"
Latitude:	40°39'57.0"		

**29  
West  
1/2 - 1 Mile  
Lower**

**FED USGS      USGS1044237**

Agency:	USGS	Site ID:	404018111295901
Site Name:	(D- 2- 4) 4dcb- 1		
Dec. Latitude:	40.67162		
Dec. Longitude:	-111.50047		
Coord Sys:	NAD83		
State:	UT		
County:	Summit County		
Altitude:	6728.42		
Hydrologic code:	16020101		
Topographic:	Valley flat		
Site Type:	Ground-water other than Spring		
Const Date:	19880124	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	111ALVM		
Aquifer type:	Unconfined single aquifer		
Well depth:	Not Reported		
Hole depth:	61.0	Source:	Not Reported
Project no:	Not Reported		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 68

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1988-06-06	11.98		1988-05-09	9.13	
1988-05-08	9.10		1988-05-07	9.16	
1988-05-06	8.78		1988-05-05	8.74	
1988-05-04	8.78		1988-05-03	8.63	
1988-05-02	8.22		1988-05-01	8.30	
1988-04-30	8.32		1988-04-29	8.40	
1988-04-28	8.18		1988-04-27	7.86	
1988-04-26	7.77		1988-04-25	7.53	
1988-04-24	7.09		1988-04-23	7.09	
1988-04-22	7.05		1988-04-21	7.06	
1988-04-20	7.13		1988-04-19	7.21	
1988-04-18	7.37		1988-04-17	7.38	
1988-04-16	7.36		1988-04-15	7.44	
1988-04-14	7.39		1988-04-13	7.37	
1988-04-12	7.39		1988-04-11	7.40	
1988-04-10	7.43		1988-04-09	7.45	
1988-04-08	7.45		1988-04-07	7.41	
1988-04-06	7.44		1988-04-05	7.51	
1988-04-04	7.48		1988-04-03	7.47	
1988-04-02	7.51		1988-04-01	7.59	
1988-03-31	7.77		1988-03-30	7.57	
1988-03-29	7.42		1988-03-25	7.53	
1988-03-16	7.72		1988-03-01	7.82	
1988-02-29	7.90		1988-02-28	8.04	
1988-02-27	8.19		1988-02-26	8.39	
1988-02-25	8.62		1988-02-24	8.92	
1988-02-23	9.28		1988-02-22	9.77	
1988-02-21	10.43		1988-02-20	11.51	
1988-02-19	12.36		1988-02-18	10.74	
1988-02-17	8.80		1988-02-16	7.70	
1988-02-15	7.70		1988-02-14	7.77	
1988-02-13	7.74		1988-02-12	7.81	
1988-02-11	7.87		1988-02-10	7.91	
1988-02-09	8.12		1988-02-08	8.33	

**30  
NNE  
1/2 - 1 Mile  
Lower**

**FED USGS USGS1043920**

Agency:	USGS	Site ID:	404108111282901
Site Name:	(D- 1- 4)34ddb- 1		
Dec. Latitude:	40.68551		
Dec. Longitude:	-111.47547		
Coord Sys:	NAD83		
State:	UT		
County:	Summit County		
Altitude:	6840.		
Hydrologic code:	16020101		
Topographic:	Hillside (slope)		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	19960229
Well Type:	Single well, other than collector or Ranney type		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Primary Aquifer: Not Reported  
 Aquifer type: Not Reported  
 Well depth: Not Reported  
 Hole depth: Not Reported  
 Project no: Not Reported

Source: Not Reported

Ground-water levels, Number of Measurements: 0

**31**  
**WSW**  
**1/2 - 1 Mile**  
**Lower**

**FED USGS USGS1043858**

Agency: USGS  
 Site Name: (D- 2- 4) 4dcc- 1  
 Dec. Latitude: 40.66856  
 Dec. Longitude: -111.49992  
 Coord Sys: NAD83  
 State: UT  
 County: Summit County  
 Altitude: 6750.00  
 Hydrologic code: 16020101  
 Topographic: Valley flat  
 Site Type: Ground-water other than Spring  
 Const Date: Not Reported  
 Well Type: Single well, other than collector or Ranney type  
 Primary Aquifer: 111ALVM  
 Aquifer type: Not Reported  
 Well depth: 33.0  
 Hole depth: Not Reported  
 Project no: Not Reported

Site ID: 404007111295701  
 Inven Date: Not Reported  
 Source: O

Ground-water levels, Number of Measurements: 42

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1995-09-05	27.14		1995-08-03	24.36	
1995-07-07	20.19		1995-06-12	15.79	
1995-05-10	15.06		1995-04-06	27.58	
1995-03-17	24.44		1994-11-09	30.63	
1994-10-06	17.84		1994-10-03	19.87	
1994-09-09	24.13		1994-08-12	25.52	
1994-07-13	22.48		1994-06-02	18.37	
1988-05-04	19.03		1988-04-26	25.33	
1988-03-31	29.58		1988-03-24	29.83	
1988-03-16	30.32		1988-03-01	30.42	
1988-02-22	32.78		1988-02-18	32.70	
1988-02-17	31.22		1988-02-16	30.71	
1988-02-15	30.74		1988-02-14	30.80	
1988-02-13	30.78		1988-02-12	30.80	
1988-02-11	30.87		1988-02-10	30.90	
1988-02-09	30.97		1988-02-08	31.05	
1988-01-12	31.06		1987-11-24	29.43	
1987-10-14	18.06		1987-05-07	27.56	
1987-04-24	29.30		1987-04-16	29.10	
1987-04-09	28.96		1987-04-02	30.24	
1987-03-26	31.15		1983-03-15	22.67	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

State Database: UT Radon

### Radon Test Results

Zip	# sites <4 pCi/L	4-10	10-20	>20	20-50	50-100	>100	Max pCi/L	Avg	Total Sites	Test type
84060	90.9%	4.5%	4.5%	0.0%				11.0	1.4	22	Long Term Testing
84060	44	13	2		0	0	0	19.1	3.2	59	Short Term Testing

Federal EPA Radon Zone for SUMMIT County: 2

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

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. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

## 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 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

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

Source: EDR proprietary database of groundwater flow information

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

## GEOLOGIC INFORMATION

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

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

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

Source: Department of Agriculture, Natural Resources Conservation Services

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

## ADDITIONAL ENVIRONMENTAL RECORD SOURCES

### **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.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## STATE RECORDS

### Utah Public Drinking Water Well Sources

Source: Department of Environmental Quality  
Telephone: 801-536-4200

### Utah Oil, Gas and Mining Database

Source: Department of Natural Resources  
Telephone: 801-538-5257

## RADON

### State Database: UT Radon

Source: Department of Environmental Quality  
Telephone: 801-536-4250  
Test Results by Zip Code

### 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

## **APPENDIX E**

### **References**

## **REFERENCES**

U.S. Air Force, 1994. *Environmental Baseline Surveys in Real Estate Transactions*. Air Force Instruction 32-7066.

Osguthorpe, 2003. Personal Phone Interview with D.A. Osguthorpe, owner of the private property to the north of the site. Conducted December 18, 2003 at 4:00 pm.