

# **Phase I Environmental Site Assessment**

**Sound of Music Ranch  
San Miguel County  
Placerville, Colorado 81430**

*Prepared for:*

## **Tercio Conservation Ranch LLC**

*c/o Eric T. Klein  
Belvedere Property Management, LLC  
1251 Avenue of the Americas  
17th Floor  
New York, NY 10020*

*Prepared by:*

## **Tetra Tech**

*3801 Automation Way, Suite 100  
Fort Collins, Colorado 80525  
(970) 223-9600  
Fax (970) 223-7171  
Tetra Tech Project No. 181635*

August 8, 2007

This report was prepared by Tetra Tech by and under the professional supervision of Mark S. Abshire. This Phase I Environmental Site Assessment was conducted in accordance with ASTM E 1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

I have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 for Sound of Music Ranch, San Miguel County, Colorado. Any exceptions to, or deletions from, this practice are described in Section 1.1 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property.



---

Mark S. Abshire  
Senior Geotechnical Engineer

August 8, 2007

---

Date

## TABLE OF CONTENTS

<b>1.0 INTRODUCTION .....</b>	<b>1</b>
1.1 Purpose and Scope of Phase I ESA .....	1
1.2 Limitations of Phase I ESA.....	2
<b>2.0 SUBJECT PROPERTY AND ADJOINING PROPERTY DESCRIPTION .....</b>	<b>4</b>
2.1 General Description .....	4
2.2 Sound of Music Ranch and Vicinity Characteristics .....	4
2.3 Current and Past Uses of the Property .....	4
2.4 Current and Past Uses of Properties Adjoining and Surrounding the Property.....	4
<b>3.0 REGULATORY ENVIRONMENTAL RECORDS REVIEW .....</b>	<b>6</b>
3.1 EDR Search .....	6
3.2 Supplementary Search of Available EPA and CDPHE Databases .....	6
<b>4.0 RESULTS OF SITE RECONNAISSANCE .....</b>	<b>8</b>
4.1 Current Site Features.....	8
4.1.1 Topography .....	9
4.1.2 Soils and Vegetation .....	9
4.1.3 Surface Water Conditions .....	9
4.1.4 Groundwater Conditions .....	10
4.2 Adjoining Properties .....	10
<b>5.0 RESULTS OF INTERVIEWS.....</b>	<b>11</b>
<b>6.0 FINDINGS AND RECOMMENDATIONS .....</b>	<b>12</b>
6.1 Findings.....	12
6.2 Recommendations .....	12
<b>7.0 REFERENCES .....</b>	<b>14</b>

## LIST OF APPENDICES

Appendix A:	Aerial Photographs
Appendix B:	Property Data from San Miguel County
Appendix C:	Environmental Data Resource, Inc. Report and Regulatory Database Search, Results of EPA Envirofacts Data Warehouse Search, and Results of State of Colorado Environmental Database Search
Appendix D:	Site Photographs
Appendix E:	Resume of Mark S. Abshire

## 1.0 INTRODUCTION

This report has been prepared by Tetra Tech (Tt) for Tercio Conservation Ranch LLC to present the results of a Phase I Environmental Site Assessment (ESA) of Sound of Music Ranch, (the Property), located west of the town of Telluride, in San Miguel County, Colorado (Appendix A). The Property comprises approximately 2,385 acres and is currently owned by SOM-A LLC (Parcel A), SOM-B LLC (Parcel B), and SOM-C LLC (Parcel C), all Colorado corporations. The Property is presently undeveloped. A conservation easement has been granted for the Ranch by the Rocky Mountain Elk Foundation.

*Please Note: The property is located in the Placerville zip code of 81430. The environmental database research was correctly performed for the 81430 zip code, but the location was incorrectly labeled as being in Telluride when the research was ordered. Consequently, the titles in the environmental reports within the appendices correctly identify the 81430 target zip code, but incorrectly report the location as Telluride.*

This Phase I ESA relies specifically on information available to and reviewed by Tt. It is based on information derived from publicly available records, interviews with individuals familiar with the area, and observations during a site reconnaissance.

The purpose of this Phase I ESA is to evaluate the potential for recognized environmental conditions to exist at Sound of Music Ranch, as defined by ASTM E 1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM, 2005). Recognized environmental conditions are defined for the purpose of this Phase I ESA as the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products into the ground, groundwater, or surface water of a property. The term recognized environmental conditions is not intended to include de minimis conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate government agencies.

The term historical recognized environmental condition is also used for the purposes of this Phase I ESA. As defined by ASTM Practice E 1527-05 (ASTM, 2005), an historical recognized environmental condition represents an environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. An historical recognized environmental condition represents a past release of any hazardous substances or petroleum products that has been remediated, with such remediation accepted by the responsible regulatory agency.

### 1.1 Purpose and Scope of Phase I ESA

The objectives of this Phase I ESA were to:

- evaluate the environmental conditions of the Property
- provide an opinion on the nature of environmental risk or liability that may be present
- if applicable, provide recommendations for further assessment

This Phase I ESA was conducted in accordance with ASTM E 1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM, 2005). Principal components of this Phase I ESA consisted of reviewing available records and information, interviewing personnel, and performing site reconnaissance of the Property.

Information resulting from the above activities is described in the following sections of this Phase I ESA. The description of the Property and adjoining properties, including past and current land uses, is provided in Section 2.0 of this Phase I ESA. Section 3.0 presents pertinent information resulting from the review of available records and information. Information resulting from the site reconnaissance of the lot performed by Tt on July 17, 2007 is discussed in Section 4.0. Section 5.0 summarizes the interviews. The findings of this Phase I ESA are presented in Section 6.0.

As described below and elsewhere in this report, not all aspects specified in ASTM E 1527-05 (ASTM 2005) were applicable to the Property. The following environmental issues have not been specifically addressed: radon, lead based paint, water quality, wetlands, cultural and historic resources, ecological resources, and endangered species. Recorded land title records were beyond the scope of work of this Phase I ESA. No interviews were conducted with state and local government officials due to the fact that no known activities have occurred on the Property prior to the current development activities.

## **1.2 Limitations of Phase I ESA**

The findings presented in this report are derived from the review and interpretation of records and information made available from Environmental Data Resources Inc. (EDR), and other sources described in this report, visual observations during a site reconnaissance, and interviews with past owners and others familiar with the area as described in this report. The findings and conclusions in this report necessarily are limited to conditions existing at the time the Phase I ESA was conducted and do not apply to any future changed conditions at the site. Opinions and conclusions contained in this report apply to the conditions existing when the Phase I ESA was performed and are based on ASTM E 1527-05 and the scope of work performed. The scope of work allows a reasonable and appropriate level of inquiry to ascertain the potential for recognized environmental conditions to exist at the site to satisfy one of the requirements to qualify for the innocent landowner, bona fide prospective purchaser limitations of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), but does not guarantee that all potential environmental conditions are discovered.

Appropriate inquiry was made regarding conditions at the Property in conformance with ASTM E 1527-05 for a Phase I ESA. However, this report is not a comprehensive site characterization, and should not be considered as such. The findings of this report are based primarily upon visual observations during the site reconnaissance, review of readily available records and information, and comments made by interviewees. Environmental conditions may exist at the site that cannot be identified by site reconnaissance, review of readily available records and information and interviews with knowledgeable persons. Indicators of environmental impairments due to past land use activities may not be visually discernable. While readily available records and information pertaining to environmental conditions at the site were reviewed, the research effort conducted for a Phase I ESA is limited. It is possible that other records, not known to Tt and thus not reviewed as part of this Phase I ESA, may exist that contain information regarding environmental conditions at the site. Tt believes that the records and information it has reviewed as part of this Phase I ESA are complete and reliable, but cannot and does not warrant the authenticity or reliability of the information sources it has relied

upon. Given the limited scope of a Phase I ESA, Tt does not specifically represent that Sound of Music Ranch does not contain environmental conditions or other conditions beyond that observed and described by Tt during this Phase I ESA.

This Phase I ESA report has been prepared for the exclusive use of Tercio Conservation Ranch LLC, the prospective purchaser of the Property. No other parties may rely on the information contained in this report unless approved in writing by Tercio Conservation Ranch LLC and Tt.

## **2.0 SUBJECT PROPERTY AND ADJOINING PROPERTY DESCRIPTION**

### **2.1 General Description**

The Sound of Music Ranch (the Property) is located approximately 15 miles west of Telluride, Colorado, and occupies all of Sections 4 and 5, and portions of Sections 18, 19, 20, 28, 29, 30, 31, 32, and 33, Township 42 North, Range 10 West, New Mexico Principal Meridian, in San Miguel County. The Property is comprised of 3 parcels, totally approximately 2385.2 acres (San Miguel County Parcel #456332404007, 423.37 acres; San Miguel County Parcel #456329404006, 237.21 acres; San Miguel County Parcel #456329204005, 1724.62 acres). The Property is undeveloped, and is located at an elevation of approximately 9,500 feet.

### **2.2 Sound of Music Ranch and Vicinity Characteristics**

As shown in Appendix A, the Property is currently undeveloped. In general, the Sound of Music Ranch occupies a large portion of a rolling high mountain mesa locally called Wilson Mesa. The Property is bounded on the north and east by undeveloped BLM land, and on the south and west by low density rural residential estates and small livestock and guest ranches. Entrance to the Property is at the south side of Parcels A and C. The Property is undeveloped and exists in its natural state. A conservation easement has been granted for the Property by the Rocky Mountain Elk Foundation. Numerous ecological studies and wildlife inventories were performed of the ranch in order to grant the conservation easement.

### **2.3 Current and Past Uses of the Property**

Current and past land uses of the Property are based on observations during a site reconnaissance, an interview with Mr. Raymond Snyder, the son of the previous owner, and review of information by Tt as part of this Phase I ESA. A reconnaissance of the site was performed by Mr. Mark Abshire of Tt on July 13 and 17, 2007 to assess current site conditions on the Property and on adjoining properties. The results of the reconnaissance are described in Section 4.0.

The present owner acquired the Property in 1986. The previous owner (Snyders) purchased the ranch in 1946 and operated it until 1986. The Property is undeveloped and exists in its natural state. Current use of the Property is limited to outdoor recreational use, under lease agreements, for horseback riding and big game hunting.

Past uses of the Property have been predominantly limited to sheep and cattle grazing. According to the owner's representative, Mr. Eric Trommer, no ranch headquarters, feed lots, or meat processing have ever been located on the Property. Several small mining sites were located at the extreme southeast corner of Parcel A, as described in Section 4.

### **2.4 Current and Past Uses of Properties Adjoining and Surrounding the Property**

For purposes of this Phase I ESA, adjoining property is defined by ASTM E 1527-05 as property, the border of which is contiguous or partially contiguous with the subject property, or would be so but for a street, road, or other public thoroughfare separating them. Current and historic land uses for the properties adjoining the Property and in the surrounding areas are described only to the extent that the information enhances and provides a more complete understanding of the subject property.

Current and past uses of adjoining and surrounding properties are the same as for the subject property, and according to the owner's representative and Mr. Snyder, have been limited to agricultural ranching (sheep, beef cattle, dairy cattle) and outdoor recreation. A small horseback riding outfitter (Many Ponies Outfit) is located opposite the entrance to the Property, and leads guided tours of the Property under a lease agreement.



### 3.0 REGULATORY ENVIRONMENTAL RECORDS REVIEW

The purpose of the regulatory records review is to obtain and review reasonably ascertainable records that help identify recognized environmental conditions in connection with the Property or adjoining and surrounding properties. At the request of Tt, Environmental Data Records, Inc. (EDR) performed a search of available federal, state, tribal, and local environmental records for the area including the Property and surrounding properties. The records were reviewed to identify compliance issues, permits, inspections, complaints, activity use limitations, or notices associated with the Property or adjoining or surrounding properties. In addition, a supplementary search of available EPA and Colorado Department of Public Health and Environment (CDPHE) environmental electronic databases was conducted by Tt. The results of these searches are summarized below in Section 3.1 and 3.2.

#### 3.1 EDR Search

The area of the Property was not listed in any of the databases searched by EDR on July 18, 2007. In addition, no mapped sites were identified by EDR's search within the Development Property or on adjoining or surrounding properties within the radius of the search area. A copy of the EDR report is included in Appendix C. The EDR report identifies the databases searched and the radius of the search limits.

As shown in the EDR report, several sites (orphan sites) were not mapped due to poor or inadequate address information. However, none of the orphan sites are located within the Property or on adjoining properties with respect to the Property. Based on their known locations, the orphan sites are either located in the Town of Telluride or west of Telluride, or in Placerville, all at considerable distances from the Property. Based on their location or known activities, none of the listed orphan sites are considered an environmental concern to the Property.

As shown on the EDR report, portions of the Property appear to be designated as state wetland areas, and are also listed on the National Wetlands Inventory. Further investigation should be done to determine the allowable future use of the Property.

In the late 19th century, the Sanborn Company began preparing maps typically in mining or business districts for use by fire insurance companies. These maps indicate structures and significant features at properties and construction materials of the structures. These maps were periodically updated and expanded geographically periodically through the 20th century. As part of the EDR records search, a search for Sanborn Insurance Maps was conducted for the Property and adjoining properties. No Sanborn Insurance Maps were identified by the search.

As reported by EDR (Appendix C), two wells were identified within a one-mile radius of the Property. According to the well permit records provided in the EDR report, the reported usage of these two wells is for domestic use. No wells are known to exist within the lot.

#### 3.2 Supplementary Search of Available EPA and CDPHE Databases

Tt conducted a supplementary search of records available in electronic databases maintained by the EPA, CDPHE, and others. These databases included the Envirofacts Data Warehouse (<http://www.epa.gov/enviro>), Right-To-Know Network (<http://www.rtknet.org>), databases maintained by the CDPHE Hazardous Materials and Waste Management Division (<http://www.cdphe.state.co.us/hm>), and the COSTIS database of registered USTs maintained by

the Colorado Department of Labor and Employment (CDLE), Oil Inspection Section (OIS) (<http://costis.cdle.state.co.us>). These databases were searched for all regulated facilities listed within the Placerville ZIP Code of 81430 and/or San Miguel County. The supplementary search of the CDPHE databases included the Voluntary Cleanup Archive List; TRI 2002 - 2005, Reporting Facilities in Colorado; Federal Superfund Sites, Proposed Federal Superfund Sites; and Natural Resources Damages (NRD) Sites.

The Property was not listed in any of the above supplementary databases searched. A number of regulated facilities were listed in the databases for ZIP Code 81430 and/or San Miguel County, as shown by the reports included in Appendix C.

One site was listed under the Colorado Voluntary Cleanup and Redevelopment Program for the Colorado Department of Health and Environment Hazardous Materials and Waste Management Division. The site is named the Newmire Vanadium Mill Site, and is located at the north side of the intersection of State Highway 145 and 60M Road, approximately 1500 meters northeast of the far northeast edge of the Property. The Voluntary Cleanup and Redevelopment Program was created to facilitate the redevelopment and transfer of contaminated properties. Owners of contaminated properties receive technical assistance and review of cleanup plans from the state, but the actual cleanup and verification is the owner's responsibility. According to the CDPHE website (Appendix C), the application to the Voluntary Cleanup Program was submitted on March 22, 2007. The decision by CDPHE to accept the application is pending. A telephone conversation on August 8, 2007 with the project manager, Fonda Apostolopoulos of the CDPHE, indicated that this project will be a long term project. There are mine tailings and radioactive waste located on the site. The state is currently reviewing the owner's application, but review may go beyond the November 2, 2007 deadline. No other information regarding this site is reasonably ascertainable as of the date of this report.

None of the other listed facilities are located in close proximity to the Property based on the addresses listed for the facilities or their known locations. As such, the regulated facilities are not considered an environmental concern to the Property.

## 4.0 RESULTS OF SITE RECONNAISSANCE

For the purpose of this Phase I ESA, Mr. Mark Abshire of Tt performed a site reconnaissance of the Property on July 13 and 17, 2007. The site reconnaissance included visual observations of surface conditions made during traverses of the Property with an ATV. Representative photographs of notable features were taken, as provided in Appendix D. The objective of the site reconnaissance was to obtain information indicating the likelihood of identifying recognized environmental conditions in connection with the Property. The current features and environmental conditions of the Property and adjoining areas are described in the following sections.

### 4.1 Current Site Features

The Property is undeveloped and, with the few exceptions described herein, exists in its natural state. Only one intact building is located on the property. The 15'x30' one-story wood structure is located at the southwest corner of Parcel A. An interview with Mr. Snyder indicated that the building was a grain storage shed. No other structures or infrastructure exist around this building. Utilities (telephone and electric) have been brought to the property, and terminate just inside the entrance gates. The majority of the property boundary is fenced, and several interior livestock fences from livestock grazing activities are still present. The remains of a dilapidated corral are located at the west-central side of Parcel C. Well-maintained gravel roads were previously constructed to provide access to the entire property. The ruins of three very small log sheds were identified at the extreme northeast side of Parcel B.

Several abandoned mine features were identified at the extreme southeast corner of Parcel A. Mr. Snyder indicated that the mines were Vanadium mines operated in the early 1900s. Both of the sites had been abandoned when the former owners purchased the property in 1946, and have not been mined since.

The east site consists of a shallow cut/fill bench and the ruins of small timber structure that appears to have been a loading dock. The remains of what used to be a trench approximately 6 feet wide and 50 feet long lie adjacent to the site, and were likely the pit entrance. The trench has largely collapsed and is now thickly vegetated with grasses and woody shrubs. There is no indication on or around the area that milling or processing occurred at the site. There are no observable stockpiles of waste rock, spoils, or tailings at the site. There are no indications that water was carried to the site, controlled or managed during the operation.

A similar but smaller site was identified across a shallow valley southwest from the site previously described. Scattered tin and timber debris indicate the ruins of a small shed. The trench at this site was of similar width and depth as the former site, but shorter in length. This trench was also similarly collapsed or filled in and has revegetated. A very small pile of spoils at the entrance to the mine trench at this site appear to consist of black, carbonaceous shale, which is consistent with the local geology. Similar to the former site, this site also has no indications of tailings, milling or processing, nor any evidence of water management.

The ruins of the stone foundation of a small structure were observed several hundred feet north of the mine sites. Mr. Snyder indicated that the site was formerly a home site, and that the home was moved off site. A small amount of miscellaneous rusted-out tin debris is scattered around the building site. The area has been fully revegetated with native species.

A microwave reflector station formerly existed in the central portion of the site at the top of the mesa on Parcel C. The site was decommissioned and reclaimed. Nothing presently remains of the station, and there are no apparent impacts to the site from the former presence of the station.

Except as previously described, no evidence of the following features was visually observed within the Property during the site reconnaissance:

- sewage disposal or wastewater discharges
- surficial staining of soils
- hazardous substances or petroleum products
- waste piles
- above ground or underground storage tanks
- drums or other unknown containers
- drains or sumps
- electrical equipment
- batteries or other discarded automotive parts
- lagoons
- solid waste disposal.

#### **4.1.1 Topography**

In general, the Sound of Music Ranch occupies a large portion of a rolling high mountain mesa locally called Wilson Mesa. Elevations across the Property range from approximately 9,040 to 9,563 feet. The topography east of the Property drops steeply as much as 1,000 feet to Big Bear Creek, which issues to the San Miguel River outside the east-central side of the mesa. The San Miguel River flows from this confluence to the northwest along the base of the mesa around the north side of the property.

#### **4.1.2 Soils and Vegetation**

Soils in highland areas consist predominantly of thin deposits of silty and sandy clay loams overlying sandstone and shale bedrock. Soils in the drainage basins along the western side of the Property are generally thicker, and contain higher organic contents. Hydric soils are predominant in wetland areas.

The vegetation of the Property predominantly consists of high mountain meadows with native grasses, sagebrush, and herbs. Large, thick stands of aspen occur across portions of the top of the mesa. The slopes along the northwest, north, and east edges of the mesa are thickly vegetated with Ponderosa and spruce/fir trees.

#### **4.1.3 Surface Water Conditions**

Water features on the Property include a broad, shallow drainage that runs along the western slopes of the mesa, draining southward toward Big Bear Creek. Six low earthen embankment dams have created shallow ponds and wetlands along the drainage corridor. Small irrigation ditches transect this area of the Property. Two small wildlife watering pools were created with similar embankments at the top of the mesa.

#### **4.1.4 Groundwater Conditions**

Groundwater conditions were not evaluated as part of this investigation.

#### **4.2 Adjoining Properties**

The Property is bounded on the north and east by BLM land, and on the south and west by low density rural residential estates and small ranches. Many of the adjacent lots are presently undeveloped, and several have residences under construction. A small horseback riding outfitter is located opposite the entrance to the Property. No indications of recognized environmental conditions were noted on the adjacent properties.

## 5.0 RESULTS OF INTERVIEWS

The present property owner declined to be interviewed. However, Mr. Eric Trommer has been a representative of the owners since they purchased the property, and provided general information about the past uses of the property, as previously discussed. The following disclosure excerpt from the sellers agreement was provided:

**“HAZARDOUS MATERIALS:** Except as otherwise set forth below in this paragraph, Seller represents and warrants to Buyer, which representations and warranties shall survive closing, as follows: Neither Seller nor, to the best of Seller's knowledge, information and belief, without duty of inquiry, any previous owner, tenant, occupant or user of the Property, nor any other person, has engaged in or permitted any operation or activities upon, or any use or occupancy of, the Property or any portion thereof, for the manufacture, treatment, storage, use, generation, release, discharge, refining, dumping, or disposal of any "Hazardous Materials" (whether legal or illegal, accidental or intentional) on, under, in or about the Property, or transported any "Hazardous Materials" presently constructed, deposited, stored or otherwise located on, under, in or about the Property, nor have any "Hazardous Materials" migrated or threatened to migrate from other properties upon, about, or beneath the Property. For purposes of this section "Hazardous Materials" shall mean any substance the presence of which requires investigation or clean-up under any federal, state or local statute, regulation, ordinance, policy or law. Notwithstanding the foregoing, Seller hereby discloses the presence on the Property of what appear to be one or two small remnants of mining activity including a horizontal mine shaft (filled in), some related debris and building remains at the south east corner (NW 1/4 NW 1/4 - Section 4) of the Property. Seller has no knowledge about the history, use or any other matters concerning these areas and makes no representations or warranties with respect to them.”

Interviews and discussions conducted with Mr. Raymond Snyder, a son of the former property owner, indicated that he raised cattle on the property since he was 12 years old, and was not aware of any of the following: environmental liens against the property; any activity and use limitations (AUL) on the property; any additional uses of the property beyond those stated in this Phase I ESA; any additional information indicative of releases or threatened release; and any obvious indicators that point to the presence of contamination at the Property.

## 6.0 FINDINGS AND RECOMMENDATIONS

This Phase I ESA has been performed to evaluate the potential for recognized environmental conditions to exist on the Property. The purpose, limitations, and scope of this Phase I ESA are described in Section 1.0. Recognized environmental conditions are defined for the purpose of this Phase I ESA as the presence or likely presence of any hazardous substances or petroleum products on the property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products into the ground, groundwater, or surface water of the property. A historic recognized environmental condition is defined as a past release of any hazardous substances or petroleum products that has been remediated, with such remediation accepted by the responsible regulatory agency. The findings presented in this report are derived from the review and interpretation of publicly available information described in this report, visual observations during the site reconnaissance on July 13 and 17, 2007, and interviews with the son of the former property owner.

### 6.1 Findings

Tt has performed a Phase I ESA of Sound of Music Ranch in San Miguel County, Colorado for Tercio Conservation Ranch LLC. The Phase I ESA was performed in general conformance with the scope and limitations of ASTM Practice E 1527-05. Any exceptions to or deletions from this practice are described in this report. Based on information obtained and reviewed in this Phase I ESA, this assessment has revealed no evidence of current recognized environmental conditions within or in connection with the Property except for the following.

The results of our interview indicate that the mine sites may have been for Vanadium. Our knowledge of mining in the region indicates that this is plausible. Based on visual observations of the mines, they appear to have been relatively small in scope, and represent a very small portion of the total property area. The apparent absence of waste rock, spoils, tailings, or water management indicates that ore milling and/or processing activities were likely not conducted on-site. However, if Vanadium was indeed the product ore for these mines, the potential exists for naturally elevated radioactivity levels (e.g. Radium, Radon) in the immediate vicinity of the mine sites. In order to confirm the presence or absence of naturally elevated radioactivity and to characterize the potential exposure risks, it would be necessary to conduct a radioactivity survey of the mine sites. Such a survey is beyond the scope of a Phase I Environmental Site Assessment.

Residential development plans for the property provided to us by Eric Trommer indicate 14 potential home sites have been identified on the property, of which 8 may be eventually selected for development. Based on the distance from the mine sites, no potential recognized environmental conditions exist with respect to development of 13 of the potential home sites. Plans indicate that the nearest potential home site to the mines is Homesite 1A, which is located a minimum of approximately 80 feet upgradient and 400 feet distant from the nearest mine site. While the exposure to potential radioactivity from the mine sites has not been quantified for Homesite 1A, it appears that, given the relative distance from the nearest mine site to Homesite 1A, the risk of exposure is likely low. Again, the risk can only be confirmed by conducting a radioactivity survey of the mine sites and Homesite 1A (if necessary).

### 6.2 Recommendations

There is a potential risk of exposure to naturally elevated radioactivity associated with the two former mine sites located at the extreme southeast corner of Parcel A. The potential risks to

persons who might visit the sites or to nearby home sites have not been evaluated. The only way to confirm the presence of, or quantify the potential risks associated with, naturally elevated radioactivity levels would be to perform a gamma survey of the two former mining sites. If the prospective purchaser desires to confirm the presence or absence of naturally elevated radioactivity levels, or to quantify the risks of exposure to such potential radiation, additional investigation will be required.

Based on the results of the EDR document search (Section 3.0) the Property potentially is located within a state wetland area. Additionally, areas of the Property are listed in the National Wetlands Inventory. If wetland areas are located on the property, this could affect future development plans for the Property.



## 7.0 REFERENCES

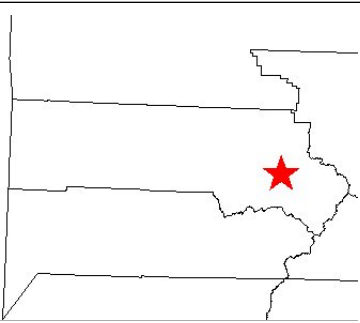
ASTM. 2005. Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. American Society for Testing and Materials Designation E 1527-05.

Environmental Data Resources, Inc., (EDR), 2007. The EDR Radius Map with GeoCheck®. Sound of Music Ranch, San Miguel County, Telluride, CO, 81430. July 18.

## **APPENDIX A**

### **AERIAL PHOTOGRAPHS**

# Sound of Music Ranch



## Legend

- County Boundaries
- Highways - Colorado
- Roads - San Miguel County
- Parcel Ownership



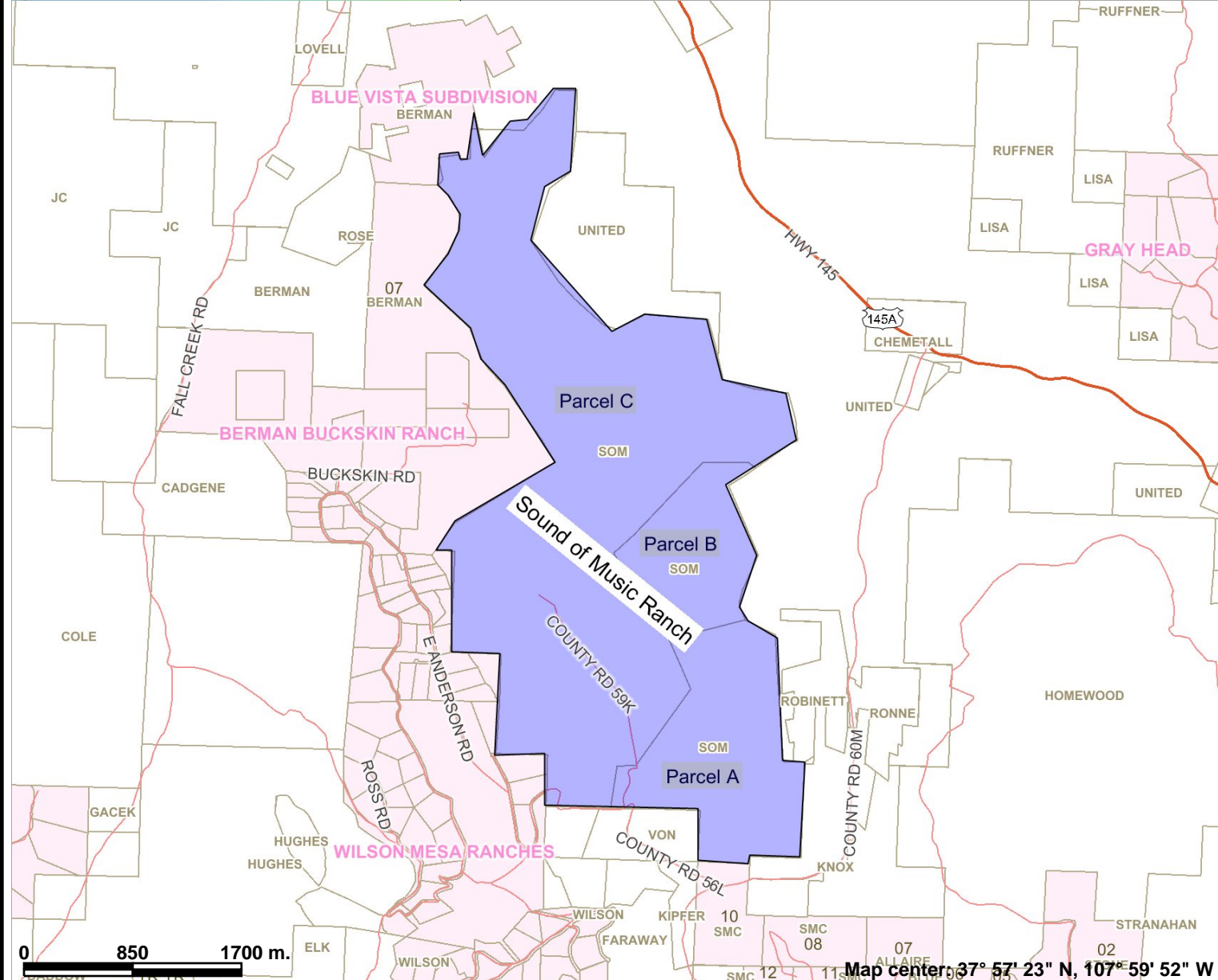
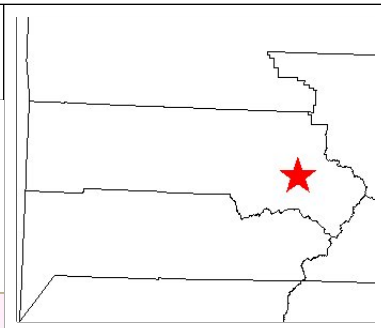
Scale: 1:40,405

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

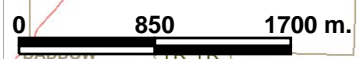
**APPENDIX B**  
**PROPERTY DATA FROM SAN MIGUEL COUNTY**



# Internet Mapping Framework



- Legend**
- County Boundaries
  - Highways - Colorado
  - Roads - San Miguel County
  - Lot Numbers
  - Owner Last Name Labels
  - Parcel Ownership
  - Subdivisions



Scale: 1:47,287

Map center: 37° 57' 23" N, 107° 59' 52" W

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

# San Miguel County webMap: Property Data on Selected Parcel

**Account #:** R1040000981  
**Acct Type:** Agricultural

**Parcel #:** 456332404007  
**Tax District:** 104

**Tax Year** 2007  
**# of Bldgs:** 0

## Owner Name and Address

SOM A LLC A CO LLC  
  
PO BOX 2220  
TELLURIDE, CO, 814352220

## Property Location

Street #	Dir	Name	Type	Unit
		ANDERSON	RD	
<b>City</b>		<b>Zip</b>		
PLACERVILLE		814300000		

## Property Description

**Business/Complex:** PARCEL A SOUND OF MUSIC RANCH  
**Subdivision:** TOWNSHIP AND RANGE  
**Lot:** TR  
**Block**  
**Filing:** 1  
**Legal Desc:**

PARCEL A SOUND OF MUSIC RANCH PART OF SECTIONS 18 19 20 28 29 30 31 32 AND 33 T43N R10W AND SECTION 4 AND 5 T42N R10W NMPM SAN MIGUEL COUNTY COLORADO AS RECORDED IN PLAT BK 1 PAGE 2779 8 10 2000 CONT 423.37 ACRES CONSERVATION EASEMENT RECORDED 12 96 BK 5

## Property Sales Information

**Sales Date:** 2003-12-03  
**Sales Price:** 0

## Valuation Information

**Total Actual Value:** 29480  
**Assessed Value:** 8540

## Property Characteristics

<b>Gross Acres</b>	423.37	<b>Bedrooms</b>	0
<b>Gross Square Feet</b>	0	<b>Baths</b>	0
<b>Total Improvements SF</b>	0		
<b>Residential SF</b>	0		
<b>Commercial SF</b>	0		

## Zoning

**Zoning Authority** San Miguel County  
**Zone District** FORESTRY/AGRICULTURE  
**Parcel Details**  
**Zoning Notes**  
**Use**  
**Resolution**  
**Planned Unit Development**  
**File Name**

Parcels and ownership information were updated on 07/09/07.

DISCLAIMER: This information is a product of the San Miguel County Geographic Information Systems (GIS) Department and is intended for the display of relative positions and locations only. Users of this information hereby recognize, acknowledge and agree that it is not a guaranteed accurate, legal or surveyed representation of land. Users assume all risk and responsibility for any and all direct and indirect damages, including consequential damages, that may flow from the use of this information. Users further recognize, acknowledge and agree that the San Miguel County GIS Department has not made any representations, warranties, or guaranties of any kind that this information is survey accurate or fit to be used or relied upon for any particular purpose. Furthermore, this list is provided as a courtesy and does NOT include holders of subsurface mineral interests of record

# San Miguel County webMap: Property Data on Selected Parcel

**Account #:** R1040000982  
**Acct Type:** Agricultural

**Parcel #:** 456329404006  
**Tax District:** 104

**Tax Year** 2007  
**# of Bldgs:** 0

## Owner Name and Address

SOM B LLC A CO LLC  
  
PO BOX 2220  
TELLURIDE, CO, 814352220

## Property Location

Street #	Dir	Name	Type	Unit
		ANDERSON	RD	
<b>City</b>		<b>Zip</b>		
PLACERVILLE		814300000		

## Property Description

**Business/Complex:** PARCEL B SOUND OF MUSIC RANCH  
**Subdivision:** TOWNSHIP AND RANGE  
**Lot:**  
**Block**  
**Filing:** 1  
**Legal Desc:**

PARCEL B SOUND OF MUSIC RANCH PART OF SECTIONS 18 19 20 28 29 30 31 32 AND 33 T43N R10W AND SECTION 4 AND 5 T42N R10W NMPM SAN MIGUEL COUNTY COLORADO AS RECORDED IN PLAT BK 1 PAGE 2779 8 10 2000 CONT 237.21 ACRES CONSERVATION EASEMENT RECORDED 12 96 BK 5

## Property Sales Information

**Sales Date:** 2018-06-02  
**Sales Price:** 0

## Valuation Information

**Total Actual Value:** 18106  
**Assessed Value:** 5240

## Property Characteristics

<b>Gross Acres</b>	237.21	<b>Bedrooms</b>	0
<b>Gross Square Feet</b>	0	<b>Baths</b>	0
<b>Total Improvements SF</b>	0		
<b>Residential SF</b>	0		
<b>Commercial SF</b>	0		

## Zoning

**Zoning Authority** San Miguel County  
**Zone District** FORESTRY/AGRICULTURE  
**Parcel Details**  
**Zoning Notes**  
**Use**  
**Resolution**  
**Planned Unit Development**  
**File Name**

Parcels and ownership information were updated on 07/09/07.

DISCLAIMER: This information is a product of the San Miguel County Geographic Information Systems (GIS) Department and is intended for the display of relative positions and locations only. Users of this information hereby recognize, acknowledge and agree that it is not a guaranteed accurate, legal or surveyed representation of land. Users assume all risk and responsibility for any and all direct and indirect damages, including consequential damages, that may flow from the use of this information. Users further recognize, acknowledge and agree that the San Miguel County GIS Department has not made any representations, warranties, or guaranties of any kind that this information is survey accurate or fit to be used or relied upon for any particular purpose. Furthermore, this list is provided as a courtesy and does NOT include holders of subsurface mineral interests of record

# San Miguel County webMap: Property Data on Selected Parcel

**Account #:** R1040000983  
**Acct Type:** Agricultural

**Parcel #:** 456329204005  
**Tax District:** 104

**Tax Year** 2007  
**# of Bldgs:** 0

## Owner Name and Address

SOM C LLC A CO LLC  
  
PO BOX 2220  
TELLURIDE, CO, 814352220

## Property Location

Street #	Dir	Name	Type	Unit
		ANDERSON	RD	
<b>City</b>		<b>Zip</b>		
PLACERVILLE		814300000		

## Property Description

**Business/Complex:** PARCEL C SOUND OF MUSIC RANCH  
**Subdivision:** TOWNSHIP AND RANGE  
**Lot:**  
**Block**  
**Filing:** 1  
**Legal Desc:**

PARCEL C SOUND OF MUSIC RANCH PART OF SECTIONS 18 19 20 28 29 30 31 32 AND 33 T43N R10W AND SECTION 4 AND 5 T42N R10W NMPM SAN MIGUEL COUNTY CO AS RECORDED IN PLAT BK 1 PAGE 2779 8 10 2000 CONT 1724.62 ACRES CONSERVATION EASEMENT 12 96 BK 573 PG 629 3

## Property Sales Information

**Sales Date:** 2002-10-14  
**Sales Price:** 0

## Valuation Information

**Total Actual Value:** 117306  
**Assessed Value:** 34020

## Property Characteristics

<b>Gross Acres</b>	1724.62	<b>Bedrooms</b>	0
<b>Gross Square Feet</b>	0	<b>Baths</b>	0
<b>Total Improvements SF</b>	0		
<b>Residential SF</b>	0		
<b>Commercial SF</b>	0		

## Zoning

**Zoning Authority** San Miguel County  
**Zone District** FORESTRY/AGRICULTURE  
**Parcel Details**  
**Zoning Notes**  
**Use**  
**Resolution**  
**Planned Unit Development**  
**File Name**

Parcels and ownership information were updated on 07/09/07.

DISCLAIMER: This information is a product of the San Miguel County Geographic Information Systems (GIS) Department and is intended for the display of relative positions and locations only. Users of this information hereby recognize, acknowledge and agree that it is not a guaranteed accurate, legal or surveyed representation of land. Users assume all risk and responsibility for any and all direct and indirect damages, including consequential damages, that may flow from the use of this information. Users further recognize, acknowledge and agree that the San Miguel County GIS Department has not made any representations, warranties, or guaranties of any kind that this information is survey accurate or fit to be used or relied upon for any particular purpose. Furthermore, this list is provided as a courtesy and does NOT include holders of subsurface mineral interests of record



**APPENDIX C**  
**ENVIRONMENTAL DATA RESOURCES, INC. REPORT**  
**RESULTS OF EPA ENVIROFACTS DATA**  
**WAREHOUSE SEARCH**  
**RESULTS OF STATE OF COLORADO**  
**ENVIRONMENTAL DATABASE SEARCH**



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

**Sound of Music Ranch  
San Miguel County  
Telluride, CO 81430**

**Inquiry Number: 1982361.2s**

**July 18, 2007**

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

440 Wheelers Farms Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

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

## TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary .....	ES1
Overview Map .....	2
Detail Map .....	3
Map Findings Summary .....	4
Map Findings .....	6
Orphan Summary .....	7
Government Records Searched/Data Currency Tracking .....	GR-1
 <b><u>GEOCHECK ADDENDUM</u></b>	
Physical Setting Source Addendum .....	A-1
Physical Setting Source Summary .....	A-2
Physical Setting Source Map .....	A-7
Physical Setting Source Map Findings .....	A-8
Physical Setting Source Records Searched .....	A-12

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

### **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2007 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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

## EXECUTIVE SUMMARY

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

### TARGET PROPERTY INFORMATION

#### ADDRESS

SAN MIGUEL COUNTY  
TELLURIDE, CO 81430

#### COORDINATES

Latitude (North):	37.956100 - 37° 57' 22.0"
Longitude (West):	107.997100 - 107° 59' 49.6"
Universal Transverse Mercator:	Zone 13
UTM X (Meters):	236669.8
UTM Y (Meters):	4204977.0
Elevation:	9536 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	37107-H8 GRAY HEAD, CO
Most Recent Revision:	1953
West Map:	37108-H1 LITTLE CONE, CO
Most Recent Revision:	1953

### TARGET PROPERTY SEARCH RESULTS

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

### DATABASES WITH NO MAPPED SITES

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

#### FEDERAL RECORDS

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

## EXECUTIVE SUMMARY

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

### STATE AND LOCAL RECORDS

<b>SHWS</b>	This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.
<b>METHANE SITE</b>	Methane Site Investigations - Jefferson County 1980
<b>SWF/LF</b>	Solid Waste Sites & Facilities
<b>Methane Investigation</b>	Methane Gas & Swamp Findings
<b>HISTORICAL LANDFILL</b>	Historical Landfill List
<b>LUST</b>	Leaking Underground Storage Tank List
<b>CO TRUST</b>	RAP Site Listing
<b>UST</b>	Underground Storage Tank Database
<b>AST</b>	Aboveground Tank List
<b>CO ERNS</b>	Spills Database
<b>AUL</b>	Environmental Real Covenants List
<b>VCP</b>	Voluntary Cleanup & Redevelopment Act Application Tracking Report
<b>DRYCLEANERS</b>	Drycleaner Facilities
<b>CDL</b>	Meth Lab Locations
<b>NPDES</b>	Permitted Facility Listing
<b>AIRS</b>	Permitted Facility & Emissions Listing
<b>UMTRA</b>	Uranium Mill Tailings Sites
<b>ASBESTOS</b>	Asbestos Abatement & Demolition Projects

### TRIBAL RECORDS

<b>INDIAN RESERV</b>	Indian Reservations
----------------------	---------------------

## EXECUTIVE SUMMARY

**INDIAN LUST**..... Leaking Underground Storage Tanks on Indian Land  
**INDIAN UST**..... Underground Storage Tanks on Indian Land

### EDR PROPRIETARY RECORDS

**Manufactured Gas Plants**... EDR Proprietary Manufactured Gas Plants

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

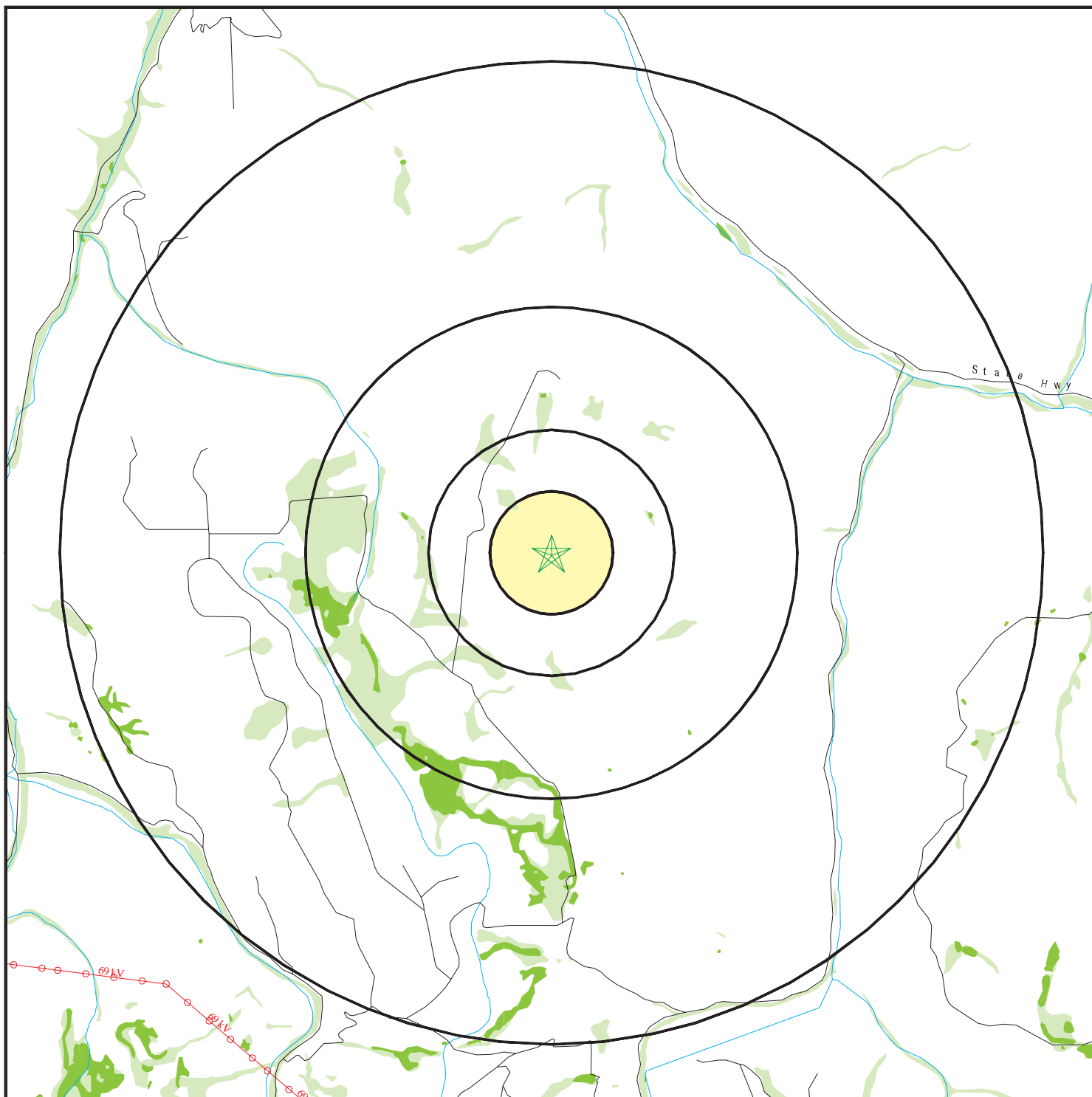
Unmappable (orphan) sites are not considered in the foregoing analysis.

## EXECUTIVE SUMMARY

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

<u>Site Name</u>	<u>Database(s)</u>
PLACERVILLE TRAM SITE	CERC-NFRAP
NORWOOD TRANSFER STATION	SWF/LF
CDOT STATE BARN TELLURIDE	LUST
TELLURIDE GRAVEL INC	LUST
DEEP CREEK MAINTENANCE FACILITY	LUST
MATTERHORN ADMIN SITE	UST
CDOT TELLURIDE	UST
STEVE ESTES	AST
TELLURIDE GRAVEL INC	AST
ARROWHEAD RANCH WC	FINDS
TELLURIDE, TOWN OF	FINDS, NPDES
ALDASORO RANCH HOA	FINDS
TELLURIDE, TOWN OF	ICIS
5393 HWY 124 SPUR	ASBESTOS
5393 HIGHWAY 145 SPEER	ASBESTOS
5393 HIGHWAY 145 SPUR	ASBESTOS
5393 HWY 145 SPUR	ASBESTOS
OLDCASTLE SW GROUP DBA TELLURIDE GRAVEL	AIRS
SAN MIGUEL CNTY ROAD DEPT DEEP CREEK	AIRS

# OVERVIEW MAP - 1982361.2s



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

⚙ Manufactured Gas Plants

🏠 National Priority List Sites

🏠 Dept. Defense Sites

🏠 Indian Reservations BIA

⚡ Power transmission lines

⚡ Oil & Gas pipelines

🌿 National Wetland Inventory

🌿 State Wetlands

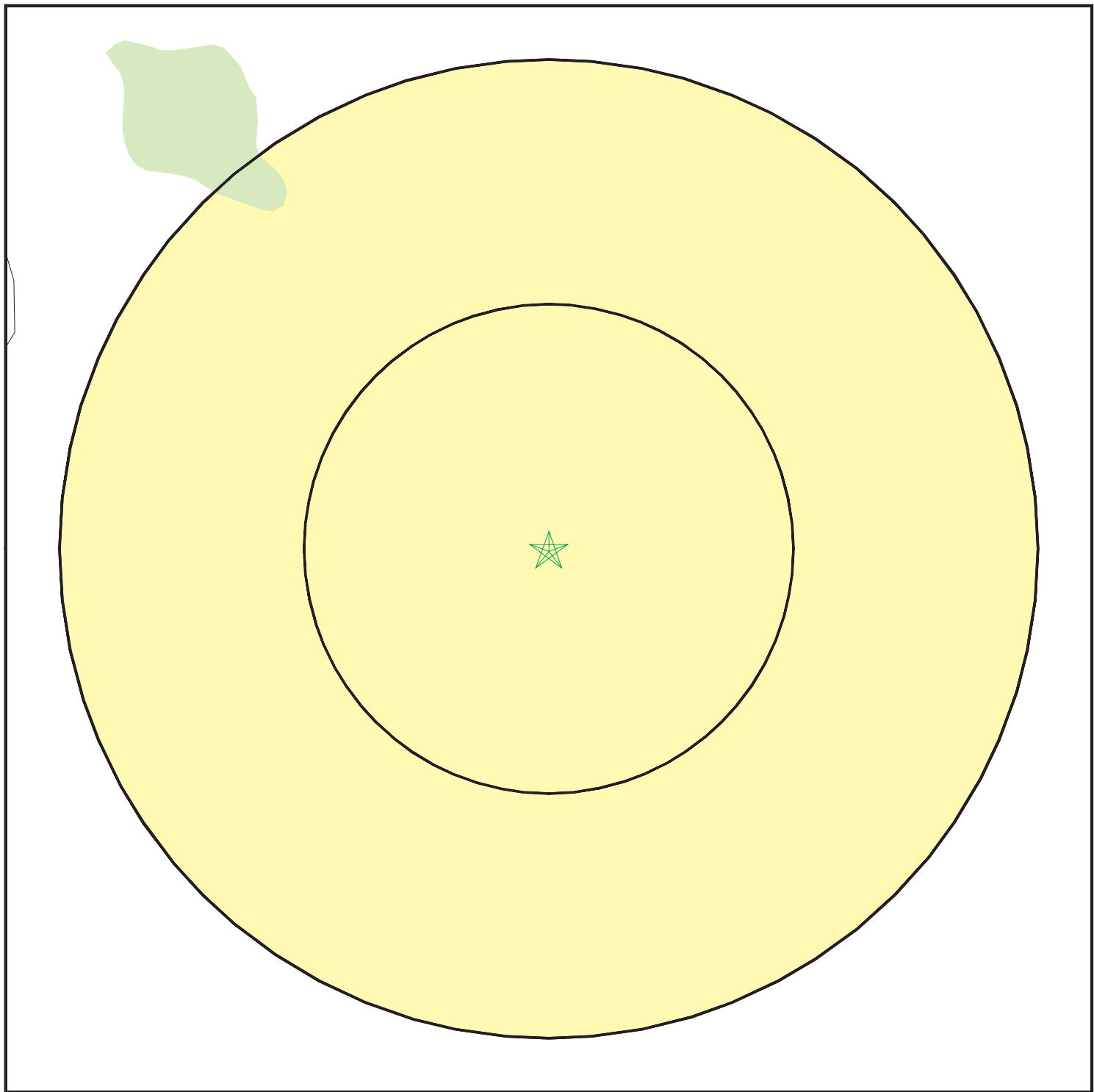
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Sound of Music Ranch  
ADDRESS: San Miguel County  
Telluride CO 81430  
LAT/LONG: 37.9561 / 107.9971

CLIENT: MFG/Shepherd Miller, Inc.  
CONTACT: Tymeri Schleicher  
INQUIRY #: 1982361.2s  
DATE: July 18, 2007 2:02 pm



# DETAIL MAP - 1982361.2s



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

- ☒ Indian Reservations BIA
- ⚡ Oil & Gas pipelines
- National Wetland Inventory
- State Wetlands

0 1/16 1/8 1/4 Miles



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

SITE NAME: Sound of Music Ranch  
 ADDRESS: San Miguel County  
 Telluride CO 81430  
 LAT/LONG: 37.9561 / 107.9971

CLIENT: MFG/Shepherd Miller, Inc.  
 CONTACT: Tymeri Schleicher  
 INQUIRY #: 1982361.2s  
 DATE: July 18, 2007 2:02 pm

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL RECORDS</u></b>								
NPL		2.000	0	0	0	0	0	0
Proposed NPL		2.000	0	0	0	0	0	0
Delisted NPL		2.000	0	0	0	0	0	0
NPL LIENS		2.000	0	0	0	0	0	0
CERCLIS		2.000	0	0	0	0	0	0
CERC-NFRAP		2.000	0	0	0	0	0	0
CORRACTS		2.000	0	0	0	0	0	0
RCRA TSD		2.000	0	0	0	0	0	0
RCRA Lg. Quan. Gen.		2.000	0	0	0	0	0	0
RCRA Sm. Quan. Gen.		2.000	0	0	0	0	0	0
ERNS		2.000	0	0	0	0	0	0
HMIRS		2.000	0	0	0	0	0	0
US ENG CONTROLS		2.000	0	0	0	0	0	0
US INST CONTROL		2.000	0	0	0	0	0	0
DOD		2.000	0	0	0	0	0	0
FUDS		2.000	0	0	0	0	0	0
US BROWNFIELDS		2.000	0	0	0	0	0	0
CONSENT		2.000	0	0	0	0	0	0
ROD		2.000	0	0	0	0	0	0
UMTRA		2.000	0	0	0	0	0	0
ODI		2.000	0	0	0	0	0	0
TRIS		2.000	0	0	0	0	0	0
TSCA		2.000	0	0	0	0	0	0
FTTS		2.000	0	0	0	0	0	0
SSTS		2.000	0	0	0	0	0	0
LUCIS		2.000	0	0	0	0	0	0
DOT OPS		2.000	0	0	0	0	0	0
ICIS		2.000	0	0	0	0	0	0
HIST FTTS		2.000	0	0	0	0	0	0
CDL		2.000	0	0	0	0	0	0
RADINFO		2.000	0	0	0	0	0	0
LIENS 2		2.000	0	0	0	0	0	0
PADS		2.000	0	0	0	0	0	0
MLTS		2.000	0	0	0	0	0	0
MINES		2.000	0	0	0	0	0	0
FINDS		2.000	0	0	0	0	0	0
RAATS		2.000	0	0	0	0	0	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
State Haz. Waste		N/A	N/A	N/A	N/A	N/A	N/A	N/A
Methane Site		2.000	0	0	0	0	0	0
State Landfill		2.000	0	0	0	0	0	0
Methane Investigation		2.000	0	0	0	0	0	0
Historical Landfill		2.000	0	0	0	0	0	0
LUST		2.000	0	0	0	0	0	0
CO TRUST		2.000	0	0	0	0	0	0
UST		2.000	0	0	0	0	0	0

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST		2.000	0	0	0	0	0	0
CO ERNS		2.000	0	0	0	0	0	0
AUL		2.000	0	0	0	0	0	0
VCP		2.000	0	0	0	0	0	0
DRYCLEANERS		2.000	0	0	0	0	0	0
CDL		2.000	0	0	0	0	0	0
NPDES		2.000	0	0	0	0	0	0
AIRS		2.000	0	0	0	0	0	0
UMTRA		2.000	0	0	0	0	0	0
ASBESTOS		2.000	0	0	0	0	0	0
<b><u>TRIBAL RECORDS</u></b>								
INDIAN RESERV		2.000	0	0	0	0	0	0
INDIAN LUST		2.000	0	0	0	0	0	0
INDIAN UST		2.000	0	0	0	0	0	0
<b><u>EDR PROPRIETARY RECORDS</u></b>								
Manufactured Gas Plants		2.000	0	0	0	0	0	0

### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

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

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NO SITES FOUND

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
PLACERVILLE	1003877379	PLACERVILLE TRAM SITE	1 MI N OF PLACERVILLE - HWY 62	81430	CERC-NFRAP
SAN MIGUEL COUNTY	S107447285	NORWOOD TRANSFER STATION	1.3MI W C.R. 35		SWF/LF
TELLURIDE	S107765031		5393 HWY 124 SPUR	81435	ASBESTOS
TELLURIDE	1008044287	ARROWHEAD RANCH WC	12000 HIGHWAY 145	81435	FINDS
TELLURIDE	1004453352	TELLURIDE, TOWN OF	12000 HIGHWAY 145	81435	FINDS, NPDES
TELLURIDE	1009949550	TELLURIDE, TOWN OF	12000 HIGHWAY 145	81435	ICIS
TELLURIDE	A100289210	STEVE ESTES	HWY 145 BOTTOM OF KEYSTONE	81435	AST
TELLURIDE	S105567853	CDOT STATE BARN TELLURIDE	HWY 145 MP 74.99	81435	LUST
TELLURIDE	S107765029		5393 HIGHWAY 145 SPEER	81435	ASBESTOS
TELLURIDE	S107765030		5393 HIGHWAY 145 SPUR	81435	ASBESTOS
TELLURIDE	S107765032		5393 HWY 145 SPUR	81435	ASBESTOS
TELLURIDE	U003123890	MATTERHORN ADMIN SITE	HWY 145	81435	UST
TELLURIDE	U003195772	CDOT TELLURIDE	HWY 145A MP 74.99	81435	UST
TELLURIDE	A100297008	TELLURIDE GRAVEL INC	270 HWY 265	81435	AST
TELLURIDE	S108084724	TELLURIDE GRAVEL INC	270 HWY 265	81435	LUST
TELLURIDE	S108125471	OLDCASTLE SW GROUP DBA TELLURIDE GRAVEL	270 HWY 625	81435	AIRS
TELLURIDE	S108126873	SAN MIGUEL CNTY ROAD DEPT DEEP CREEK	15553 ST HWY 145	81435	AIRS
TELLURIDE	1008044491	ALDASORO RANCH HOA	307 SOCIETY DR UNIT C	81435	FINDS
TELLURIDE	S105566959	DEEP CREEK MAINTENANCE FACILITY	15553 STATE HWY 145	81435	LUST

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

## **FEDERAL RECORDS**

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

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

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

### **NPL Site Boundaries**

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

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

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

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

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

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

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 10/15/1991

Date Data Arrived at EDR: 02/02/1994

Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267

Last EDR Contact: 05/21/2007

Next Scheduled EDR Contact: 08/20/2007

Data Release Frequency: No Update Planned

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

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

Date of Government Version: 02/27/2007

Date Data Arrived at EDR: 03/21/2007

Date Made Active in Reports: 04/27/2007

Number of Days to Update: 37

Source: EPA

Telephone: 703-412-9810

Last EDR Contact: 06/20/2007

Next Scheduled EDR Contact: 09/17/2007

Data Release Frequency: Quarterly

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

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

Date of Government Version: 03/21/2007

Date Data Arrived at EDR: 04/27/2007

Date Made Active in Reports: 05/25/2007

Number of Days to Update: 28

Source: EPA

Telephone: 703-412-9810

Last EDR Contact: 06/15/2007

Next Scheduled EDR Contact: 09/17/2007

Data Release Frequency: Quarterly

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

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/14/2007

Date Data Arrived at EDR: 03/20/2007

Date Made Active in Reports: 04/27/2007

Number of Days to Update: 38

Source: EPA

Telephone: 800-424-9346

Last EDR Contact: 06/04/2007

Next Scheduled EDR Contact: 09/03/2007

Data Release Frequency: Quarterly

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: 303-312-6149
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 07/16/2007
Number of Days to Update: 56	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 12/31/2006	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/24/2007	Telephone: 202-267-2180
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 04/24/2007
Number of Days to Update: 47	Next Scheduled EDR Contact: 07/23/2007
	Data Release Frequency: Annually

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

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

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

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

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

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

### **US INST CONTROL:** Sites with Institutional Controls

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

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



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

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

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

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

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

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

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

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

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

Date of Government Version: 08/23/2006	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 03/06/2007	Telephone: Varies
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 04/23/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 07/23/2007
	Data Release Frequency: Varies

### **ROD:** Records Of Decision

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

Date of Government Version: 03/27/2007	Source: EPA
Date Data Arrived at EDR: 03/27/2007	Telephone: 703-416-0223
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 07/02/2007
Number of Days to Update: 31	Next Scheduled EDR Contact: 10/01/2007
	Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 11/08/2006  
Date Made Active in Reports: 01/29/2007  
Number of Days to Update: 82

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 07/05/2007  
Next Scheduled EDR Contact: 09/17/2007  
Data Release Frequency: Varies

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

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

Date of Government Version: 06/30/1985  
Date Data Arrived at EDR: 08/09/2004  
Date Made Active in Reports: 09/17/2004  
Number of Days to Update: 39

Source: Environmental Protection Agency  
Telephone: 800-424-9346  
Last EDR Contact: 06/09/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### **TRIS:** Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 04/27/2007  
Date Made Active in Reports: 07/05/2007  
Number of Days to Update: 69

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 06/19/2007  
Next Scheduled EDR Contact: 09/17/2007  
Data Release Frequency: Annually

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

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

Date of Government Version: 12/31/2002  
Date Data Arrived at EDR: 04/14/2006  
Date Made Active in Reports: 05/30/2006  
Number of Days to Update: 46

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 07/16/2007  
Next Scheduled EDR Contact: 10/15/2007  
Data Release Frequency: Every 4 Years

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

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

Date of Government Version: 04/13/2007  
Date Data Arrived at EDR: 04/25/2007  
Date Made Active in Reports: 07/05/2007  
Number of Days to Update: 71

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 06/15/2007  
Next Scheduled EDR Contact: 09/17/2007  
Data Release Frequency: Quarterly

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

Date of Government Version: 04/13/2007  
Date Data Arrived at EDR: 04/25/2007  
Date Made Active in Reports: 07/05/2007  
Number of Days to Update: 71

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 06/15/2007  
Next Scheduled EDR Contact: 09/17/2007  
Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **SSTS:** Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

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

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

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

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

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

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

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

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

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

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

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

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

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 02/21/2007

Date Data Arrived at EDR: 04/03/2007

Date Made Active in Reports: 05/14/2007

Number of Days to Update: 41

Source: Environmental Protection Agency

Telephone: 202-564-5088

Last EDR Contact: 06/22/2007

Next Scheduled EDR Contact: 07/16/2007

Data Release Frequency: Quarterly

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

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

Date of Government Version: 12/09/2005

Date Data Arrived at EDR: 12/11/2006

Date Made Active in Reports: 01/11/2007

Number of Days to Update: 31

Source: Department of the Navy

Telephone: 843-820-7326

Last EDR Contact: 06/11/2007

Next Scheduled EDR Contact: 09/10/2007

Data Release Frequency: Varies

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

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

Date of Government Version: 05/14/2007

Date Data Arrived at EDR: 05/30/2007

Date Made Active in Reports: 07/05/2007

Number of Days to Update: 36

Source: Department of Transportation, Office of Pipeline Safety

Telephone: 202-366-4595

Last EDR Contact: 05/30/2007

Next Scheduled EDR Contact: 08/27/2007

Data Release Frequency: Varies

### **PADS:** PCB Activity Database System

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

Date of Government Version: 10/17/2006

Date Data Arrived at EDR: 11/29/2006

Date Made Active in Reports: 01/11/2007

Number of Days to Update: 43

Source: EPA

Telephone: 202-566-0500

Last EDR Contact: 06/08/2007

Next Scheduled EDR Contact: 08/06/2007

Data Release Frequency: Annually

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

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

Date of Government Version: 04/05/2007

Date Data Arrived at EDR: 04/25/2007

Date Made Active in Reports: 05/25/2007

Number of Days to Update: 30

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

Last EDR Contact: 07/02/2007

Next Scheduled EDR Contact: 10/01/2007

Data Release Frequency: Quarterly

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

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

Date of Government Version: 02/06/2007

Date Data Arrived at EDR: 03/28/2007

Date Made Active in Reports: 05/14/2007

Number of Days to Update: 47

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Last EDR Contact: 06/28/2007

Next Scheduled EDR Contact: 09/24/2007

Data Release Frequency: Semi-Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

Date of Government Version: 04/12/2007	Source: EPA
Date Data Arrived at EDR: 05/17/2007	Telephone: (303) 312-6312
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 07/02/2007
Number of Days to Update: 49	Next Scheduled EDR Contact: 10/01/2007
	Data Release Frequency: Quarterly

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

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

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

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

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

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

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

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

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

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

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

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## STATE AND LOCAL RECORDS

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

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

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

Source: Department of Public Health & Environment  
Telephone: 303-692-3300  
Last EDR Contact: 06/15/2007  
Next Scheduled EDR Contact: 09/17/2007  
Data Release Frequency: N/A

**METHANE SITE:** Methane Site Investigations - Jefferson County 1980

The objectives of the study are to define as closely as possible the boundaries of methane producing solid waste landfills.

Date of Government Version: 12/31/1980  
Date Data Arrived at EDR: 02/13/1995  
Date Made Active in Reports: 04/04/1995  
Number of Days to Update: 50

Source: Jefferson County Health Department  
Telephone: 303-239-7175  
Last EDR Contact: 01/27/1995  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

**SWF/LF:** Solid Waste Sites & Facilities

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

Date of Government Version: 03/02/2007  
Date Data Arrived at EDR: 03/29/2007  
Date Made Active in Reports: 05/02/2007  
Number of Days to Update: 34

Source: Department of Public Health & Environment  
Telephone: 303-692-3300  
Last EDR Contact: 06/08/2007  
Next Scheduled EDR Contact: 09/03/2007  
Data Release Frequency: Annually

**METHANE INVESTIGATION:** Methane Gas & Swamp Findings

The primary objective of this study was to assess methane gas related hazards at selected landfill sites in Colorado. These sites were selected by the Colorado Department of Health following evaluation of responses received from County and Municipal agencies about completed and existing landfills within their jurisdiction.

Date of Government Version: 03/15/1979  
Date Data Arrived at EDR: 02/13/1995  
Date Made Active in Reports: 04/04/1995  
Number of Days to Update: 50

Source: Department of Health  
Telephone: 303-640-3335  
Last EDR Contact: 01/27/1995  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

**HISTORICAL LANDFILL:** Historical Landfill List

Abandoned/Inactive Landfills.

Date of Government Version: 01/31/1993  
Date Data Arrived at EDR: 04/24/1994  
Date Made Active in Reports: 05/30/1994  
Number of Days to Update: 36

Source: Department of Public Health & Environment  
Telephone: 303-692-3300  
Last EDR Contact: 09/05/1996  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

**LUST:** Leaking Underground Storage Tank List

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/03/2007  
Date Data Arrived at EDR: 04/05/2007  
Date Made Active in Reports: 05/02/2007  
Number of Days to Update: 27

Source: Department of Labor and Employment, Oil Inspection Section  
Telephone: 303-318-8521  
Last EDR Contact: 07/03/2007  
Next Scheduled EDR Contact: 10/01/2007  
Data Release Frequency: Quarterly

### **TRUST:** Lust Trust Sites

Reimbursement application package. The 1989 Colorado General Assembly established Colorado's Petroleum Storage Tank Fund. The Fund reimburses eligible applicants for allowable costs incurred in cleaning up petroleum contamination from underground and aboveground petroleum storage tanks, as well as for third-party liability expenses. Remediation of contamination caused by railroad or aircraft fuel is not eligible for reimbursement. The Fund satisfies federal Environmental Protection Agency financial assurance requirements. Monies in the Fund come from various sources, predominantly the state environmental surcharge imposed on all petroleum products except railroad or aircraft fuel.

Date of Government Version: 04/25/2007  
Date Data Arrived at EDR: 04/27/2007  
Date Made Active in Reports: 05/14/2007  
Number of Days to Update: 17

Source: Department of Labor and Employment, Oil Inspection Section  
Telephone: 303-318-8521  
Last EDR Contact: 04/23/2007  
Next Scheduled EDR Contact: 07/23/2007  
Data Release Frequency: Varies

### **UST:** Underground Storage Tank Database

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

Date of Government Version: 04/03/2007  
Date Data Arrived at EDR: 04/05/2007  
Date Made Active in Reports: 04/25/2007  
Number of Days to Update: 20

Source: Department of Labor and Employment, Oil Inspection Section  
Telephone: 303-318-8521  
Last EDR Contact: 07/03/2007  
Next Scheduled EDR Contact: 10/01/2007  
Data Release Frequency: Quarterly

### **AST:** Aboveground Tank List

Aboveground storage tank locations.

Date of Government Version: 04/03/2007  
Date Data Arrived at EDR: 04/05/2007  
Date Made Active in Reports: 04/25/2007  
Number of Days to Update: 20

Source: Department of Labor and Employment, Oil Inspection Section  
Telephone: 303-318-8521  
Last EDR Contact: 07/03/2007  
Next Scheduled EDR Contact: 10/01/2007  
Data Release Frequency: Semi-Annually

### **CO ERNS:** Spills Database

State reported spills.

Date of Government Version: 05/01/2007  
Date Data Arrived at EDR: 05/03/2007  
Date Made Active in Reports: 06/04/2007  
Number of Days to Update: 32

Source: Department of Public Health and Environmental  
Telephone: 303-692-2000  
Last EDR Contact: 04/30/2007  
Next Scheduled EDR Contact: 07/30/2007  
Data Release Frequency: Quarterly

### **AUL:** Environmental Real Covenants List

Activity and use limitations include both engineering controls and institutional controls. The Colorado Department of Public Health and Environment to approve requests to restrict the future use of a property using an enforceable agreement called an environmental real covenant. When a contaminated site is not cleaned up completely, land use restrictions may be used to ensure that the selected cleanup remedy is adequately protective of human health and the environment.

Date of Government Version: 06/11/2007  
Date Data Arrived at EDR: 06/18/2007  
Date Made Active in Reports: 07/17/2007  
Number of Days to Update: 29

Source: Department of Public Health & Environment  
Telephone: 303-692-3331  
Last EDR Contact: 06/18/2007  
Next Scheduled EDR Contact: 08/27/2007  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **VCP:** Voluntary Cleanup & Redevelopment Act Application Tracking Report

The Voluntary Cleanup and Redevelopment Act is intended to permit and encourage voluntary cleanups by providing a method to determine clean-up responsibilities in planning the reuse of property. The VCRA was intended for sites which were not covered by existing regulatory programs.

Date of Government Version: 03/29/2007  
Date Data Arrived at EDR: 04/25/2007  
Date Made Active in Reports: 05/14/2007  
Number of Days to Update: 19

Source: Department of Public Health and Environmental  
Telephone: 303-692-3331  
Last EDR Contact: 02/22/2007  
Next Scheduled EDR Contact: 04/23/2007  
Data Release Frequency: Semi-Annually

### **DRYCLEANERS:** Drycleaner Facilities

A listing of drycleaning facilities.

Date of Government Version: 04/25/2007  
Date Data Arrived at EDR: 04/27/2007  
Date Made Active in Reports: 05/14/2007  
Number of Days to Update: 17

Source: Department of Public Health & Environment  
Telephone: 303-692-3213  
Last EDR Contact: 07/16/2007  
Next Scheduled EDR Contact: 10/15/2007  
Data Release Frequency: Varies

### **CDL:** Meth Lab Locations

Meth lab locations that were reported to the Department of Public Health & Environment.

Date of Government Version: 05/01/2007  
Date Data Arrived at EDR: 05/03/2007  
Date Made Active in Reports: 06/04/2007  
Number of Days to Update: 32

Source: Department of Public Health and Environment  
Telephone: 303-692-3023  
Last EDR Contact: 04/30/2007  
Next Scheduled EDR Contact: 07/30/2007  
Data Release Frequency: Quarterly

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

A listing of permitted facilities from the Water Quality Control Division.

Date of Government Version: 01/26/2007  
Date Data Arrived at EDR: 02/27/2007  
Date Made Active in Reports: 03/30/2007  
Number of Days to Update: 31

Source: Department of Public Health & Environment  
Telephone: 303-692-3611  
Last EDR Contact: 05/29/2007  
Next Scheduled EDR Contact: 08/27/2007  
Data Release Frequency: Varies

### **AIRS:** Permitted Facility & Emissions Listing

A listing of Air Pollution Control Division permits and emissions data.

Date of Government Version: 04/02/2007  
Date Data Arrived at EDR: 04/24/2007  
Date Made Active in Reports: 05/14/2007  
Number of Days to Update: 20

Source: Department of Public Health & Environment  
Telephone: 303-692-3213  
Last EDR Contact: 07/16/2007  
Next Scheduled EDR Contact: 10/01/2007  
Data Release Frequency: Varies

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

There were nine uranium mill tailings sites in Colorado designated for cleanup under the federal Uranium Mill Tailings Radiation Control Act. These nine sites, known commonly as UMTRA sites, were remediated jointly by the State of Colorado and the U.S. Department of Energy during the late 1980's and early 1990's. Mill tailings were removed from 8 of the mill sites and relocated in engineered disposal cells. A disposal cell is designed to encapsulate the material, reduce radon emanation, and prevent the movement of water through the material. At one site, Maybell, CO, the tailings were stabilized in-place at the mill site. After remediation of the tailings was completed, the State and DOE began to investigate the residual impacts to groundwater at the mill sites. The groundwater phase of the UMTRA program is on-going.

Date of Government Version: 11/23/2004  
Date Data Arrived at EDR: 03/21/2007  
Date Made Active in Reports: 05/02/2007  
Number of Days to Update: 42

Source: Department of Public Health & Environment  
Telephone: 970-248-7164  
Last EDR Contact: 06/18/2007  
Next Scheduled EDR Contact: 09/17/2007  
Data Release Frequency: Varies



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **ASBESTOS:** Asbestos Abatement & Demolition Projects

Asbestos abatement and demolition projects by the contractor.

Date of Government Version: 06/21/2007

Date Data Arrived at EDR: 06/22/2007

Date Made Active in Reports: 07/17/2007

Number of Days to Update: 25

Source: Department of Public Health & Environment

Telephone: 303-692-3100

Last EDR Contact: 06/18/2007

Next Scheduled EDR Contact: 09/03/2007

Data Release Frequency: Semi-Annually

### **TRIBAL RECORDS**

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

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

Date of Government Version: 12/31/2005

Date Data Arrived at EDR: 02/06/2006

Date Made Active in Reports: 01/11/2007

Number of Days to Update: 339

Source: USGS

Telephone: 202-208-3710

Last EDR Contact: 05/11/2007

Next Scheduled EDR Contact: 08/06/2007

Data Release Frequency: Semi-Annually

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

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

Date of Government Version: 05/30/2007

Date Data Arrived at EDR: 05/31/2007

Date Made Active in Reports: 07/05/2007

Number of Days to Update: 35

Source: EPA Region 8

Telephone: 303-312-6271

Last EDR Contact: 05/21/2007

Next Scheduled EDR Contact: 08/20/2007

Data Release Frequency: Quarterly

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

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

Date of Government Version: 05/23/2007

Date Data Arrived at EDR: 05/24/2007

Date Made Active in Reports: 07/05/2007

Number of Days to Update: 42

Source: EPA Region 10

Telephone: 206-553-2857

Last EDR Contact: 05/21/2007

Next Scheduled EDR Contact: 08/20/2007

Data Release Frequency: Quarterly

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

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2007

Date Data Arrived at EDR: 06/14/2007

Date Made Active in Reports: 07/05/2007

Number of Days to Update: 21

Source: EPA Region 7

Telephone: 913-551-7003

Last EDR Contact: 05/21/2007

Next Scheduled EDR Contact: 08/20/2007

Data Release Frequency: Varies

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

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005

Date Data Arrived at EDR: 01/21/2005

Date Made Active in Reports: 02/28/2005

Number of Days to Update: 38

Source: EPA Region 6

Telephone: 214-665-6597

Last EDR Contact: 05/21/2007

Next Scheduled EDR Contact: 08/20/2007

Data Release Frequency: Varies

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

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

Date of Government Version: 03/20/2007

Date Data Arrived at EDR: 04/16/2007

Date Made Active in Reports: 05/14/2007

Number of Days to Update: 28

Source: EPA Region 4

Telephone: 404-562-8677

Last EDR Contact: 05/21/2007

Next Scheduled EDR Contact: 08/20/2007

Data Release Frequency: Semi-Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

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

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

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

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

A listing of underground storage tank locations on Indian Land.

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

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

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

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

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

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

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

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

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

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/02/2004  
Date Data Arrived at EDR: 12/29/2004  
Date Made Active in Reports: 02/04/2005  
Number of Days to Update: 37

Source: EPA Region 5  
Telephone: 312-886-6136  
Last EDR Contact: 05/21/2007  
Next Scheduled EDR Contact: 08/20/2007  
Data Release Frequency: Varies

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

Date of Government Version: 05/30/2007  
Date Data Arrived at EDR: 05/31/2007  
Date Made Active in Reports: 07/05/2007  
Number of Days to Update: 35

Source: EPA Region 8  
Telephone: 303-312-6137  
Last EDR Contact: 05/21/2007  
Next Scheduled EDR Contact: 08/20/2007  
Data Release Frequency: Quarterly

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

Date of Government Version: 05/23/2007  
Date Data Arrived at EDR: 05/24/2007  
Date Made Active in Reports: 07/05/2007  
Number of Days to Update: 42

Source: EPA Region 10  
Telephone: 206-553-2857  
Last EDR Contact: 05/21/2007  
Next Scheduled EDR Contact: 08/20/2007  
Data Release Frequency: Quarterly

### **EDR PROPRIETARY RECORDS**

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

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

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

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

### **COUNTY RECORDS**

#### **ADAMS COUNTY:**

##### **Summary Report on Methane Gas Hazards and Surveys Conducted on Domestic and Demolition Landfills in Adams County**

As of May 8, 1978, all known landfills or dumping sites in the Adams County area have been surveyed.

Date of Government Version: 05/08/1978  
Date Data Arrived at EDR: 02/16/1995  
Date Made Active in Reports: 04/04/1995  
Number of Days to Update: 47

Source: Tri-County Health Department  
Telephone: 303-761-1340  
Last EDR Contact: 01/27/1995  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

#### **ARAPAHOE COUNTY:**

##### **A Survey of Landfills in Arapahoe County**

A survey of Arapahoe County was conducted from August through November, 1977, of all open and closed landfills and dumpsites in the county. Each of the sites found was classified as domestic or demolition.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/1978  
Date Data Arrived at EDR: 02/16/1995  
Date Made Active in Reports: 04/04/1995  
Number of Days to Update: 47

Source: Tri-County Health Department  
Telephone: 303-761-1340  
Last EDR Contact: 01/27/1995  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### BOULDER COUNTY:

#### Old Landfill Sites

Landfill sites in Boulder county.

Date of Government Version: 05/01/1986  
Date Data Arrived at EDR: 11/14/1995  
Date Made Active in Reports: 12/07/1995  
Number of Days to Update: 23

Source: Boulder County Health Department  
Telephone: 303-441-1182  
Last EDR Contact: 01/30/1998  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### DENVER COUNTY:

#### Landfills in Denver County

Landfill sites in the city and county of Denver.

Date of Government Version: 12/01/1994  
Date Data Arrived at EDR: 12/28/1994  
Date Made Active in Reports: 01/31/1995  
Number of Days to Update: 34

Source: City and County of Denver  
Telephone: 303-436-7300  
Last EDR Contact: 12/18/1994  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### DOUGLAS COUNTY:

#### Douglas County Landfill Key

Landfill sites in Douglas county.

Date of Government Version: 06/12/1991  
Date Data Arrived at EDR: 02/16/1995  
Date Made Active in Reports: 04/04/1995  
Number of Days to Update: 47

Source: Tri-County Health Department  
Telephone: 303-761-1340  
Last EDR Contact: 01/27/1995  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### PUEBLO COUNTY:

#### Designated Disposal & Landfill Sites

Only inert materials. Asphalt, cement, dirt & rock unless otherwise specified. These sites are no longer active.

Date of Government Version: 04/30/1990  
Date Data Arrived at EDR: 11/16/1995  
Date Made Active in Reports: 12/07/1995  
Number of Days to Update: 21

Source: Pueblo City-County Health Department  
Telephone: 719-583-4300  
Last EDR Contact: 11/13/1995  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### TRI COUNTY:

#### Tri-County Area Solid Waste Facilities List (Adams, Arapahoe and Douglas Counties)

Closed Domestic Landfills in Adams County, Closed Domestic Landfills in Arapahoe County, Closed Demolition Landfills in Arapahoe County, Closed Domestic Landfills in Douglas County.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1983  
Date Data Arrived at EDR: 02/16/1995  
Date Made Active in Reports: 04/04/1995  
Number of Days to Update: 47

Source: Tri-County Health Department  
Telephone: 303-761-1340  
Last EDR Contact: 01/27/1995  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### WELD COUNTY:

#### Solid Waste Facilities in Weld County

Solid Waste Facilities in Weld County.

Date of Government Version: 03/06/2007  
Date Data Arrived at EDR: 03/22/2007  
Date Made Active in Reports: 03/30/2007  
Number of Days to Update: 8

Source: Weld County Department of Public Health  
Telephone: 970-304-6415  
Last EDR Contact: 06/04/2007  
Next Scheduled EDR Contact: 09/03/2007  
Data Release Frequency: No Update Planned

### OTHER DATABASE(S)

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

#### CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 12/31/2004  
Date Data Arrived at EDR: 02/17/2006  
Date Made Active in Reports: 04/07/2006  
Number of Days to Update: 49

Source: Department of Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 06/13/2007  
Next Scheduled EDR Contact: 09/10/2007  
Data Release Frequency: Annually

#### NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 10/26/2006  
Date Data Arrived at EDR: 11/29/2006  
Date Made Active in Reports: 01/05/2007  
Number of Days to Update: 37

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 06/01/2007  
Next Scheduled EDR Contact: 08/27/2007  
Data Release Frequency: Annually

#### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 03/17/2006  
Date Made Active in Reports: 06/06/2006  
Number of Days to Update: 81

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 06/11/2007  
Next Scheduled EDR Contact: 09/10/2007  
Data Release Frequency: Annually

#### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 04/27/2007  
Date Made Active in Reports: 06/08/2007  
Number of Days to Update: 42

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 07/09/2007  
Next Scheduled EDR Contact: 10/08/2007  
Data Release Frequency: Annually

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

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

Source: PennWell Corporation  
Telephone: (800) 823-6277

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

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

### **AHA Hospitals:**

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

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

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

Source: Centers for Medicare & Medicaid Services  
Telephone: 410-786-3000

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

### **Nursing Homes**

Source: National Institutes of Health  
Telephone: 301-594-6248

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

### **Public Schools**

Source: National Center for Education Statistics  
Telephone: 202-502-7300

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

### **Private Schools**

Source: National Center for Education Statistics  
Telephone: 202-502-7300

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

### **Daycare Centers: Daycare Listing**

Source: Department of Human Services  
Telephone: 303-866-5958

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

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

### **State Wetlands Data: Riparian Vegetation Data**

Source: Division of Wildlife  
Telephone: 970-416-3360

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

Source: United States Geologic Survey

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

### **STREET AND ADDRESS INFORMATION**

© 2007 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

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

### **TARGET PROPERTY ADDRESS**

SOUND OF MUSIC RANCH  
SAN MIGUEL COUNTY  
TELLURIDE, CO 81430

### **TARGET PROPERTY COORDINATES**

Latitude (North):	37.95610 - 37° 57' 22.0"
Longitude (West):	107.9971 - 107° 59' 49.6"
Universal Transverse Mercator:	Zone 13
UTM X (Meters):	236669.8
UTM Y (Meters):	4204977.0
Elevation:	9536 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	37107-H8 GRAY HEAD, CO
Most Recent Revision:	1953
West Map:	37108-H1 LITTLE CONE, CO
Most Recent Revision:	1953

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

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

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

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



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW DIRECTION INFORMATION

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

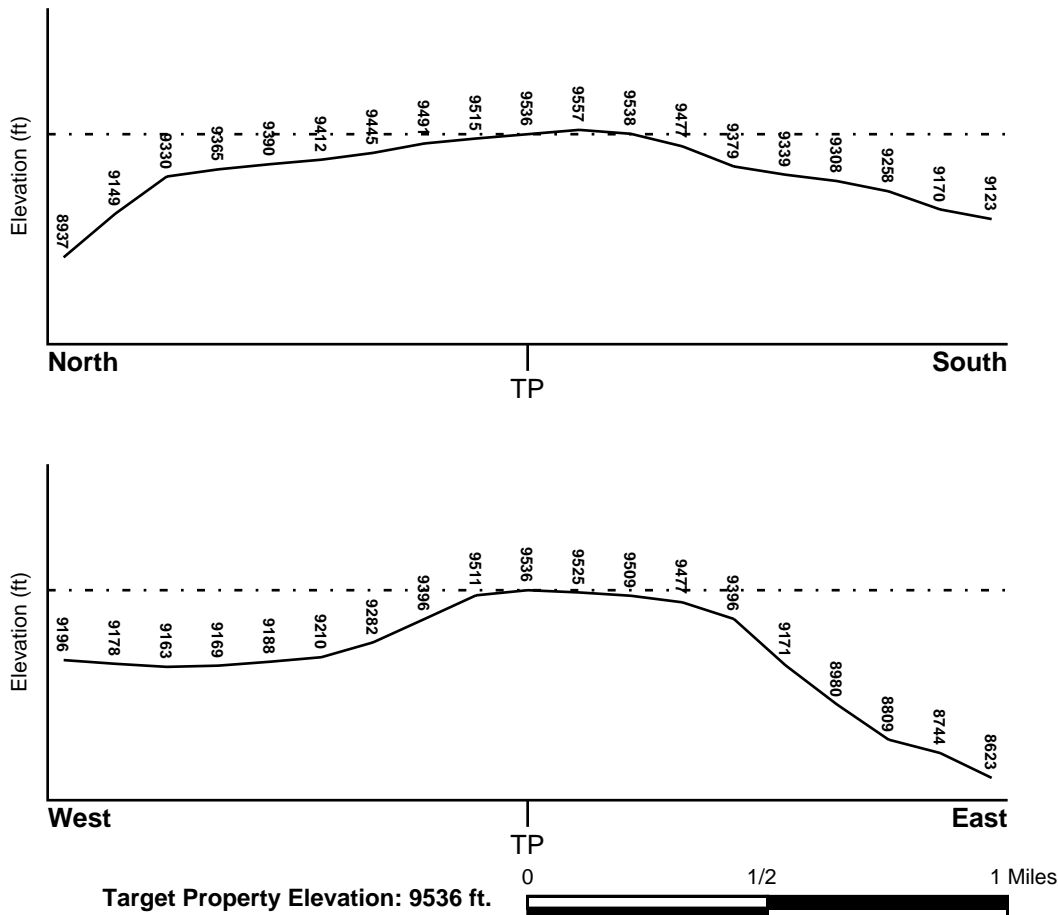
### TOPOGRAPHIC INFORMATION

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

### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General WNW

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### HYDROLOGIC INFORMATION

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

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

### FEMA FLOOD ZONE

<u>Target Property County</u>	<u>FEMA Flood</u>
SAN MIGUEL, CO	<u>Electronic Data</u>
	Not Available

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>	<u>NWI Electronic</u>
GRAY HEAD	<u>Data Coverage</u>
	YES - refer to the Overview Map and Detail Map

### HYDROGEOLOGIC INFORMATION

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

### AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

## **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: Mesozoic  
System: Cretaceous  
Series: Woodbine and Tuscaloosa Groups  
Code: uK1 (*decoded above as Era, System & Series*)

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

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: RYMAN  
Soil Surface Texture: clay loam  
Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.  
Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

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

Corrosion Potential - Uncoated Steel: 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	23 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: 7.30 Min: 6.60
2	23 inches	27 inches	cobbly - 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: 0.20 Min: 0.06	Max: 7.30 Min: 6.60
3	27 inches	39 inches	cobbly - clay	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: 0.20 Min: 0.06	Max: 7.30 Min: 6.60
4	39 inches	60 inches	cobbly - clay	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: 0.20 Min: 0.06	Max: 7.30 Min: 6.60

### 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: loam

Surficial Soil Types: loam

Shallow Soil Types: gravelly - loam  
cobbly - sandy clay loam  
gravelly - clay loam  
loam

Deeper Soil Types: clay loam  
extremely cobbly - clay loam  
very gravelly - clay loam  
gravelly - clay loam  
clay

## **GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

### **LOCAL / REGIONAL WATER AGENCY RECORDS**

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

### **WELL SEARCH DISTANCE INFORMATION**

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

### **FEDERAL USGS WELL INFORMATION**

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

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

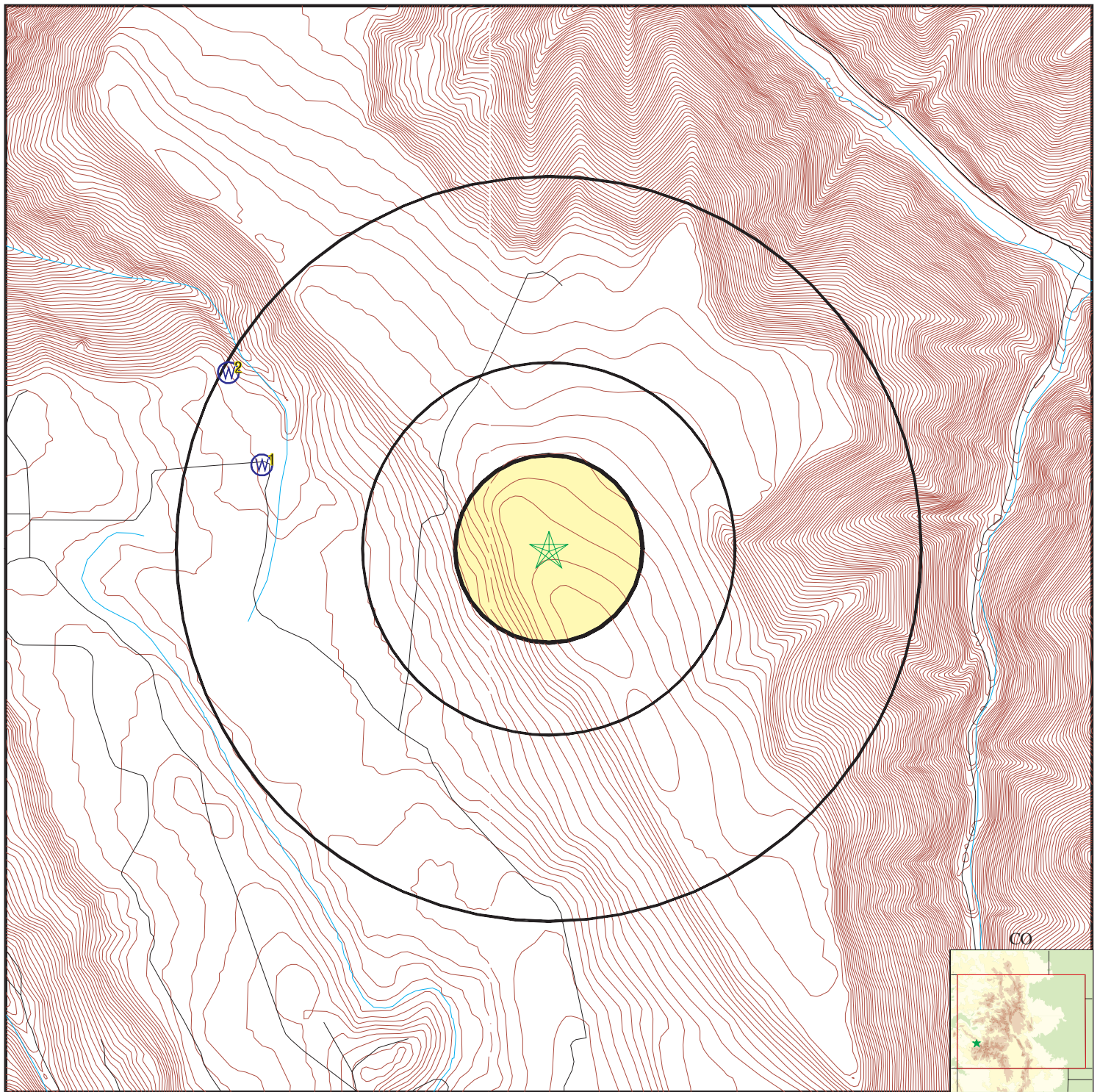
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

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

### **STATE DATABASE WELL INFORMATION**

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CO10138298	1/2 - 1 Mile WNW
2	CO10407360	1/2 - 1 Mile WNW

# PHYSICAL SETTING SOURCE MAP - 1982361.2s



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

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Oil, gas or related wells

SITE NAME: Sound of Music Ranch  
 ADDRESS: San Miguel County  
 Telluride CO 81430  
 LAT/LONG: 37.9561 / 107.9971

CLIENT: MFG/Shepherd Miller, Inc.  
 CONTACT: Tyszeri Schleicher  
 INQUIRY #: 1982361.2s  
 DATE: July 18, 2007 2:02 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

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

**CO WELLS CO10138298**

Full name:	BERMAN LYLE		
Address:	130 CHESHIRE LANE		
Address2:	Not Reported		
City:	MINNETONKAS	State:	MN
Zip1:	55305	Zip2:	Not Reported
Phone:	9707280389		
Receipt:	0330406		
Division:	4		
County:	SAN MIGUEL		
Permitno:	163797		
Permitsuf:	Not Reported	Permitrpl:	Not Reported
Actdate:	09/19/1991 00:00:00		
Actcode:	Well permit issued		
Water Dist:	60	Basin:	00
Mgmt Dist:	00	Prin Mer:	New Mexico
Range num:	0100W	Township:	430N
Section num:	30	Seca:	Not Reported
Qtr160:	SE	Qtr40:	NW
Qtr10:	Not Reported	Coordsns:	2600S
Coordsew:	2300E	Aquifer1:	ALL UNNAMED AQUIFERS
Aquifer2:	Not Reported	Subdiv:	Not Reported
Lot:	Not Reported	Block num:	Not Reported
Filing:	Not Reported	Engineer:	HCF
Designee:	Not Reported	Usecodes:	Domestic Permit issued
Driller:	530	Pumpinst:	Not Reported
Pidate:	Not Reported	Statute:	6023
Statcode:	Code OC - Undefined		
Statdate:	12/21/2000 00:00:00		
Npdate:	04/20/1992 00:00:00	Wadate:	04/03/1992 00:00:00
Trancode:	Record change. A portion of the file was modified		
Trandate:	12/21/2000 00:00:00		
Sadate:	Not Reported	Sbudate:	Not Reported
Amdate:	Not Reported	Exdate:	Not Reported
Abrrdate:	Not Reported	Abcodate:	Not Reported
Abreq:	N	Acreft:	0
Tperf:	0080	Bperf:	0120
Caseno:	Not Reported	Yield:	14
Depth:	120		
Levels:	8		
Elev:	0		
Acreirr:	1		
Comments:	Previous owner Oliver Stone		
Meter:	N	Wellxref:	018222MH
Sb5cmp:	Not Reported	Sb5use:	Not Reported
Ident:	00000	Wcdate:	11/15/1991 00:00:00
Pcdate:	Not Reported	Log exist:	N
Ctl:	Not Reported	Origin:	Not Reported
Qual:	N	User1:	LMB
Pyield:	0		
Pdepth:	0		
Pacreft:	0	Filler:	Not Reported
App type:	Not Reported		
Well type:	Exchange and Augmentation		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Valid well:	Y	Parcel:	40
Ex notice:	Not Reported	Wndate:	Not Reported
Utm x:	235449.2		
Utm y:	4205584.9		
Loc source:	Spotted from section lines	Site id:	CO10138298

2

WNW

1/2 - 1 Mile

Lower

CO WELLS

CO10407360

Full name:	BERMAN LYLE		
Address:	130 CHESHIRE LANE		
Address2:	Not Reported		
City:	MINNETONKA	State:	MN
Zip1:	55305	Zip2:	Not Reported
Phone:	9707280389		
Receipt:	9400283		
Division:	4		
County:	SAN MIGUEL		
Permitno:	228345		
Permitsuf:	Not Reported	Permitrpl:	Not Reported
Actdate:	09/29/2000 00:00:00		
Actcode:	Well permit issued		
Water Dist:	60	Basin:	00
Mgmt Dist:	00	Prin Mer:	New Mexico
Range num:	0100W	Township:	430N
Section num:	30	Seca:	Not Reported
Qtr160:	NW	Qtr40:	SE
Qtr10:	Not Reported	Coordsns:	3910S
Coordsew:	2850E	Aquifer1:	ALL UNNAMED AQUIFERS
Aquifer2:	Not Reported	Subdiv:	Not Reported
Lot:	Not Reported	Block num:	Not Reported
Filing:	Not Reported	Engineer:	LMB
Designee:	Not Reported	Usecodes:	Domestic Permit issued
Driller:	1045	Pumpinst:	Not Reported
Pidate:	Not Reported	Statute:	6023
Statcode:	Not Reported		
Statdate:	Not Reported		
Npdate:	10/10/2000 00:00:00	Wadate:	01/15/2002 00:00:00
Trancode:	Well construction report received		
Trandate:	03/07/2002 00:00:00		
Sadate:	Not Reported	Sbudate:	Not Reported
Amdate:	Not Reported	Exdate:	10/10/2002 00:00:00
Abrrdate:	Not Reported	Abcodate:	Not Reported
Abreq:	N	Acreft:	0
Tperf:	0000	Bperf:	0000
Caseno:	Not Reported	Yield:	2
Depth:	6		
Levels:	0		
Elev:	0		
Acreirr:	1		
Comments:	3 sfd, 1 acre lawn, dom animals. Variance request No. 2000-146A.		
Meter:	N	Wellxref:	Not Reported
Sb5cmp:	Not Reported	Sb5use:	Not Reported
Ident:	00000	Wcdate:	09/06/2001 00:00:00



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Pcdate:	Not Reported	Log exist:	N
Ctl:	Not Reported	Origin:	Not Reported
Qual:	N	User1:	DAM
Pyield:	15		
Pdepth:	0		
Pacreft:	0	Filler:	Not Reported
App type:	Not Reported		
Well type:	Not Reported		
Valid well:	N	Parcel:	40
Ex notice:	Not Reported	Wndate:	Not Reported
Utm x:	235317.9		
Utm y:	4205987.9		
Loc source:	Spotted from section lines	Site id:	CO10407360

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

## RADON

### AREA RADON INFORMATION

State Database: CO Radon

#### Radon Test Results

Zip	Total Sites	Avg	% sites<=4 pCi/L	% sites>4<10 pCi/L	% sites>=10<20 pCi/L	% sites>20 pCi/L
81430	2	0.65	100.00	0.00	0.00	0.00

Federal EPA Radon Zone for SAN MIGUEL County: 1

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

Federal Area Radon Information for Zip Code: 81430

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.650 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

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

Source: United States Geologic Survey

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

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

Source: United States Geologic Survey

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

## HYDROLOGIC INFORMATION

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

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

### **State Wetlands Data: Riparian Vegetation Data**

Source: Division of Wildlife

Telephone: 970-416-3360

## HYDROGEOLOGIC INFORMATION

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

Source: EDR proprietary database of groundwater flow information

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

## GEOLOGIC INFORMATION

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

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

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

Source: Department of Agriculture, Natural Resources Conservation Services

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

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

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

Telephone: 800-672-5559

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

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

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

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

### STATE RECORDS

#### **Colorado GIS Well Database**

Source: Office of State Engineer, Division of Water Resources

Telephone: 303-866-3581

The GIS Well database includes all wells that the Division of Water Resources permits.

## OTHER STATE DATABASE INFORMATION

#### **Oil and Gas Well Locations**

Source: Department of Natural Resources

Telephone: 303-894-2100

### RADON

#### **State Database: CO Radon**

Source: Department of Public Health & Environment

Telephone: 303-692-3090

Radon Study in Colorado

#### **Area Radon Information**

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### **EPA Radon Zones**

Source: EPA

Telephone: 703-356-4020

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

### OTHER

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

Source: Federal Aviation Administration, 800-457-6656

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

Source: Department of Commerce, National Oceanic and Atmospheric Administration

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STREET AND ADDRESS INFORMATION

© 2007 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.



## **The EDR Aerial Photo Decade Package**

**Sound of Music Ranch  
San Miguel County  
Telluride, CO 81430**

**Inquiry Number: 1982361.5**

**July 18, 2007**

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

**440 Wheelers Farms Road  
Milford, Connecticut 06461**

### **Nationwide Customer Service**

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

# EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

This document reports that EDR searched its own collection or select outside repository collections of aerial photography, and based on client-supplied target property information, aerial photography, including the target property was not deemed reasonably ascertainable by Environmental Data Resources, Inc. (EDR). This no coverage determination reflects a search only of aerial photography repository collections that EDR accessed. It can not be concluded from this search that no coverage for the target property exists anywhere, in any collection.

## NO COVERAGE

***Thank you for your business.***

Please contact EDR at 1-800-352-0050  
with any questions or comments.

### Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2007 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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

# **EDR Historical Topographic Map Report**

**Sound of Music Ranch  
San Miguel County  
Telluride, CO 81430**

**Inquiry Number: 1982361.4**

**July 20, 2007**



**EDR®** Environmental  
Data Resources Inc

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

440 Wheelers Farms Rd  
Milford, Connecticut 06461

### **Nationwide Customer Service**

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



# EDR Historical Topographic Map Report

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

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

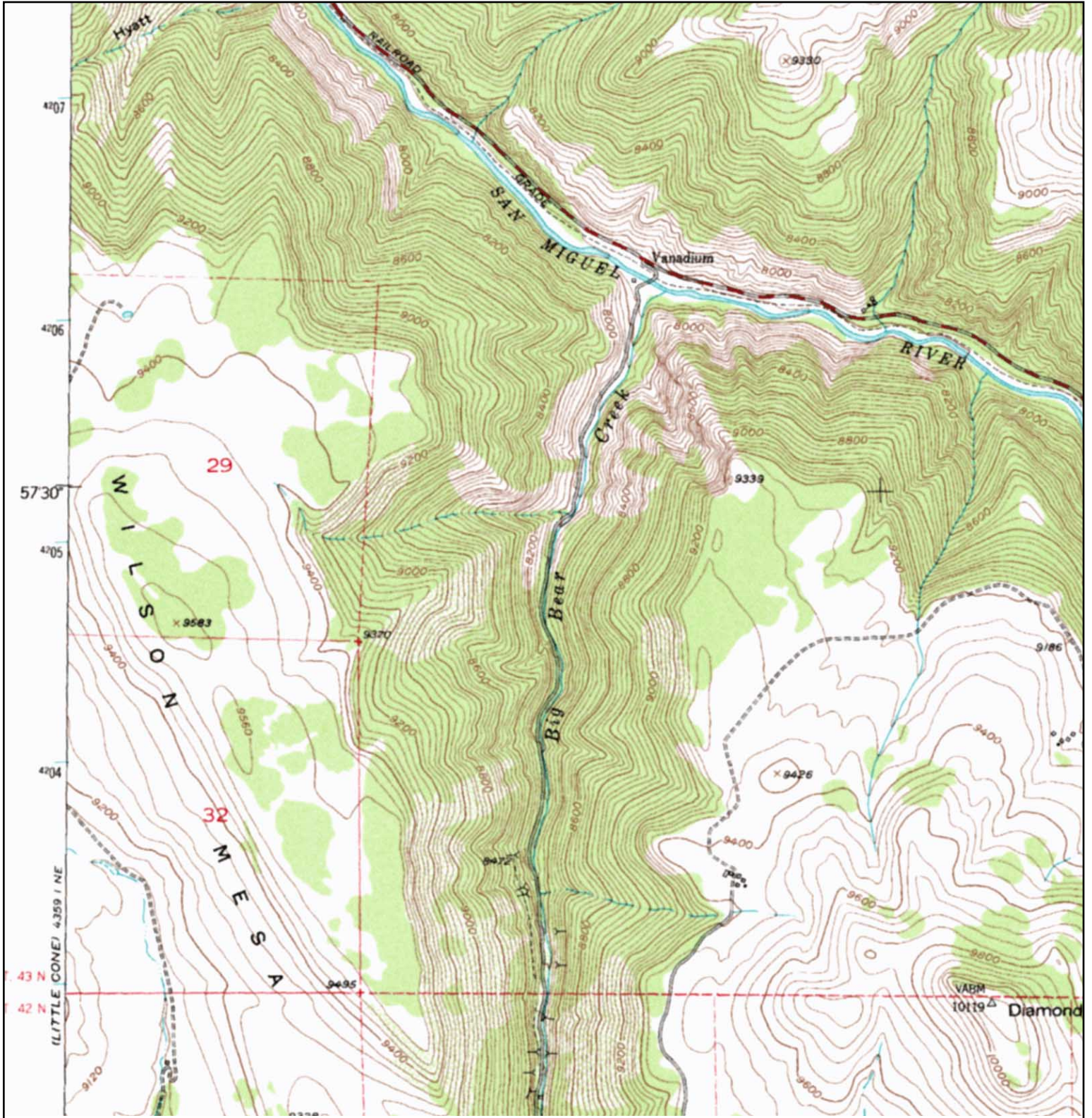
## Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2007 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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

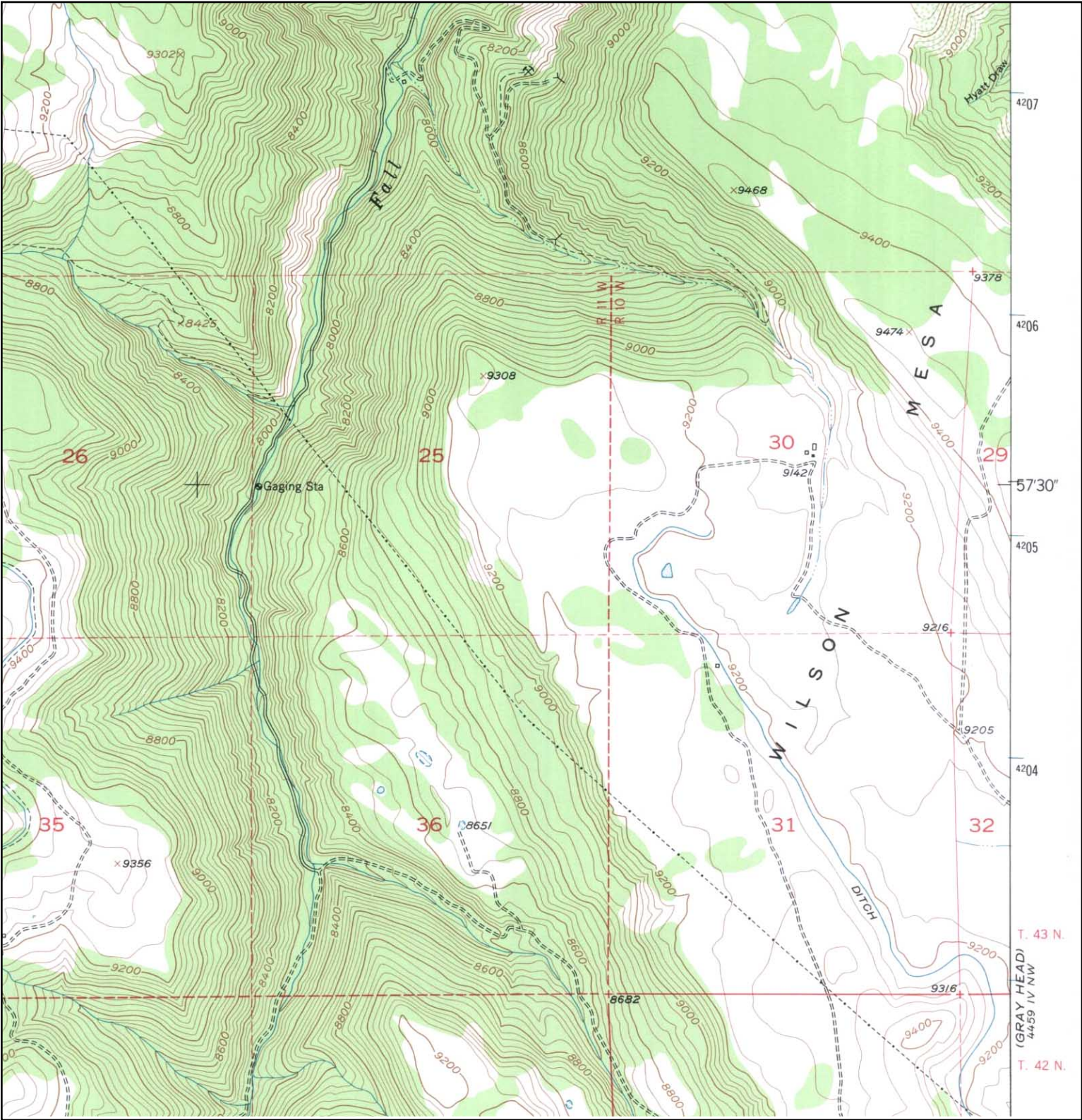
## Historical Topographic Map




<div>N</div> <div>↑</div>	TARGET QUAD	SITE NAME:	Sound of Music Ranch	CLIENT:	MFG/Shepherd Miller, Inc.
	NAME: Gray Head, CO	ADDRESS:	San Miguel County	CONTACT:	Tymeri Schleicher
	MAP YEAR: 1953		Telluride, CO 81430	INQUIRY#:	1982361.4
		LAT/LONG:	37.9561 / 107.9971	RESEARCH DATE:	07/20/2007
	SERIES: 7.5				
	SCALE: 1:24,000				



Historical Topographic Map



	ADJOINING QUAD NAME: Little Cone, CO MAP YEAR: 1953	SITE NAME: Sound of Music Ranch ADDRESS: San Miguel County Telluride, CO 81430 LAT/LONG: 37.9561 / 107.9971	CLIENT: MFG/Shepherd Miller, Inc. CONTACT: Tymeri Schleicher INQUIRY#: 1982361.4 RESEARCH DATE: 07/20/2007
	SERIES: 7.5 SCALE: 1:24,000		

# Certified Sanborn® Map Report



Sanborn® Library search results  
Certification # FD2F-4681-8305

**Sound of Music Ranch  
San Miguel County  
Telluride, CO 81430**

**Inquiry Number 1982361.3**

**July 18, 2007**



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

440 Wheelers Farms Rd  
Milford, Connecticut 06461

### **Nationwide Customer Service**

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



## Certified Sanborn® Map Report

7/18/07

**Site Name:**

Sound of Music Ranch  
San Miguel County  
Telluride, CO 81430

**Client Name:**

MFG/Shepherd Miller, Inc.  
3801 Automation Way  
Fort Collins, CO 80525

EDR Inquiry # 1982361.3

Contact: Tymeri Schleicher



EDR® Environmental  
Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by MFG/Shepherd Miller, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

### Certified Sanborn Results:

**Site Name:** Sound of Music Ranch  
**Address:** San Miguel County  
**City, State, Zip:** Telluride, CO 81430  
**Cross Street:**  
**P.O. #** NA  
**Project:** Sound of Music  
**Certification #** FD2F-4681-8305



Sanborn® Library search results  
Certification # FD2F-4681-8305

### UNMAPPED PROPERTY

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

Total Maps: 0

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

### Limited Permission To Make Copies

MFG/Shepherd Miller, Inc. (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

### Disclaimer - Copyright and Trademark notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2007 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

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



## **The EDR Environmental Lien Search Report**

**SOUND OF MUSIC RANCH  
SAN MIGUEL COUNTY  
TELLURIDE, COLORADO**

**Tuesday, July 31, 2007**

**Project Number: L07-06378**

## **The Standard In Environmental Risk Management Information**

**440 Wheelers Farm Road  
Milford, Connecticut 06460**

**Nationwide Customer Service**

**Telephone: 1-800-352-0050  
Fax: 1-800-231-6802**

# ENVIRONMENTAL LIEN REPORT

The EDR Environmental LienSearch Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied property information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' office, registries of deed, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved and description); and
- provide a copy of the deed or cite documents reviewed;

**Thank you for your business**

Please contact EDR at 1-800-352-0050  
with any questions or comments

## **Disclaimer - Copyright and Trademark Notice**

This report was prepared for the use of Environmental Data Resources, Inc., and MFG/Shepard Miller, Inc., exclusively. This report is neither a guarantee of title, a commitment to insure, nor a policy of title insurance. **NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT.** Environmental Data Resources, Inc. (EDR) and Nationwide Environmental Title Research (NETR) specifically disclaim the making of any such warranties, including without limitation, merchantability or fitness for a particular use or purpose. The information contained in this report is retrieved as it is recorded from the various agencies that make it available. The total liability is limited to the fee paid for this report.

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

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

# ENVIRONMENTAL LIEN REPORT

The EDR Environmental Lien Search Report is intended to assist in the search for environmental liens filed in land title records.

## **TARGET PROPERTY INFORMATION**

### **ADDRESS**

Sound of Music Ranch  
San Miguel County  
Telluride, Colorado

### **RESEARCH SOURCE**

Source: San Miguel County Assessor  
San Miguel County Recorder

### **DEED INFORMATION**

Type of Instrument: Warranty Deed

Title is vested in: SOM-C, LLC, a Colorado limited liability company

Title received from: Deborado, LLC, a Colorado limited liability company

Deed Dated: 03/01/2002  
Deed Recorded: 03/06/2002  
Instrument: 347516

### **LEGAL DESCRIPTION**

Parcel C, in the subdivision of Sound of Music Ranch, according to the map or plat thereof, as filed of record in Book PL-1, Page 2779, Reception Number 335968, San Miguel County, State of Colorado

Assessor's Parcel Number(s): 456329204005

### **ENVIRONMENTAL LIEN**

Environmental Lien: Found ☐ Not Found ☒

### **OTHER ACTIVITY AND USE LIMITATIONS (AULs)**

Other AULs: Found ☐ Not Found ☒



# ENVIRONMENTAL LIEN REPORT

## TARGET PROPERTY INFORMATION

### ADDRESS

Sound of Music Ranch  
San Miguel County  
Telluride, Colorado

### RESEARCH SOURCE

Source: San Miguel County Assessor  
San Miguel County Recorder

### DEED INFORMATION

Type of Instrument: Warranty Deed

Title is vested in: SOM-B, LLC, a Colorado limited liability company

Title received from: William W. Carstens, Trustee of the William W. Carstens Trust, under declaration of trust dated 02/07/1980, as amended

Deed Dated: 06/18/2002  
Deed Recorded: 10/15/2002  
Instrument: 352322

### LEGAL DESCRIPTION

Parcel B, in the subdivision of Sound of Music Ranch, according to the map or plat thereof, as filed of record in Book PL-1, Page 2779, Reception Number 335968, San Miguel County, State of Colorado

Assessor's Parcel Number(s): 456329404006

### ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

### OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

# ENVIRONMENTAL LIEN REPORT

## TARGET PROPERTY INFORMATION

### ADDRESS

Sound of Music Ranch  
San Miguel County  
Telluride, Colorado

### RESEARCH SOURCE

Source: San Miguel County Assessor  
San Miguel County Recorder

### DEED INFORMATION

Type of Instrument: Warranty Deed

Title is vested in: SOM-A, LLC, a Colorado limited liability company

Title received from: Gunslinger Investment Corporation, a Colorado corporation

Deed Dated: 12/03/2003  
Deed Recorded: 12/22/2003  
Instrument: 362896

### LEGAL DESCRIPTION

Parcel A and one share of Pleasant Valley Ditch, #123, Priority #165 and #187, in the subdivision of Sound of Music Ranch, according to the map or plat thereof, as filed of record in Book PL-1, Page 2779, Reception Number 335968, San Miguel County, State of Colorado

Assessor's Parcel Number(s): 456332404007

### ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

### OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AULs: Found ☐ Not Found ☒

## WARRANTY DEED

THIS DEED, Made this 1<sup>st</sup> day of March 2002,

between DEBORADO, LLC, a Colorado limited liability company  
of the County of San Miguel and State of Colorado, grantor,

and

SOM-C, LLC, a Colorado limited liability company

whose legal address is P. O. Box 2220, Telluride, CO 81435 - 2220

of the County of San Miguel and State of Colorado, grantee:

State Documentary Fee  
Date MAR. 6, 2002  
\$ EXEMPT RJG

WITNESSETH, That the grantor for and in consideration of the sum of TEN DOLLARS, the receipt and sufficiency of which is hereby acknowledged, has granted, bargained, sold and conveyed, and by these presents does grant, bargain, sell, convey and confirm, unto the grantee, their heirs and assigns forever, all the real property together with improvements, if any, situate, lying and being in the County of San Miguel and State of Colorado described as follows:

PARCEL C, SOUND OF MUSIC RANCH, as described on the Plat recorded August 10, 2000 in plat book PL-1 at page 2779, reception number 335968,

as known by street and number as: Vacant Land, Telluride, Colorado 81435.

TOGETHER with all and singular hereditaments and appurtenances thereto belonging, or in anywise appertaining, and the reversion and reversions, remainder and remainders, rents, issues and profits thereof, and all the estate, right, title, interest, claim and demand whatsoever of the grantor, either in law or equity, of, in and to the above bargained premises, with the hereditaments and appurtenances.

TO HAVE AND TO HOLD the said premises above bargained and described, with the appurtenances, unto the grantee, his heirs and assigns forever. And the grantor, for himself, his heirs, and personal representatives, does covenant, grant, bargain, and agree to and with the grantee, his heirs and assigns, that at the time of the enrolling and delivery of these presents, he is well seized of the premises above conveyed, has good, sure, perfect, absolute and indefeasible estate of inheritance, in law, in fee simple, and has good right, full power and lawful authority to grant, bargain, sell and convey the same in manner and form as aforesaid, and that the same are free and clear from all former and other grants, bargains, sales, liens, taxes, assessments, encumbrances and restrictions of whatever kind or nature soever, except FOR TAXES FOR THE CURRENT YEAR, A LIEN NOT YET DUE OR PAYABLE, EASEMENTS, RESTRICTIONS, RESERVATIONS, COVENANTS AND RIGHTS-OF-WAY OF RECORD, IF ANY.

The grantor shall and will WARRANT AND FOREVER DEFEND the above bargained premises in the quiet and peaceable possession of the grantee, his heirs and assigns, against all and every person or persons lawfully claiming the whole or any part thereof. The singular number shall include the plural, the plural the singular, and the use of any gender shall be applicable to all genders.

IN WITNESS WHEREOF, the grantor has executed this deed on the date set forth above.

DEBORADO, LLC, a Colorado limited liability company

By: William W. Carstens Trust UTD February 7, 1980, as amended,  
Member/Manager

William W. Carstens

By: William W. Carstens, Trustee

STATE OF COLORADO )  
COUNTY OF SAN MIGUEL ) ss.

The forgoing instrument was acknowledged before me this 1<sup>st</sup> day of March, 2002, by William W. Carstens, Trustee UTD dated February 7, 1980, as amended, and as Member/Manager of Deborado, LLC, a Colorado limited liability company.

My commission expires 7-26-03

Witness my hand and official seal.



Cheryl C. Miller  
Notary Public

D LLC - SOM C LLC 020301.doc

My Commission Expires 7-26-03



## WWC treat - SOM-B.doc



362896

## WARRANTY DEED

THIS DEED, Made this 3<sup>rd</sup> day of December, 2003,

between

GUNSLINGER INVESTMENT CORPORATION, a Colorado corporation  
of the County of San Miguel and State of Colorado, grantor,

and

SOM-A, LLC, a Colorado limited liability company  
whose legal address is P. O. Box 2220, Telluride, Colorado 81435  
of the County of San Miguel and State of Colorado, grantee:

State Documentary Fee	
Date DEC. 29, 2003	
\$ EXEMPT	RJG

WITNESSETH, That the grantor for and in consideration of the sum of Ten Dollars and 00/100, the receipt and sufficiency of which is hereby acknowledged, has granted, bargained, sold and conveyed, and by these presents does grant, bargain, sell, convey and confirm, unto the grantee, his heirs and assigns forever, all the real property together with improvements, if any, situate, lying and being in the County of San Miguel and State of Colorado described as follows:

PARCEL A, SOUND OF MUSIC RANCH,, as described on the Plat recorded August 10, 2000 in plat book PL-1 at page 2779, reception number 335968, together with one (1) share of the Pleasant Valley Ditch (Ditch #123 - Priority #165 and #187)

as known by street and number as: Vacant Land, Telluride, Colorado 81435

TOGETHER with all and singular hereditaments and appurtenances thereto belonging, or in anywise appertaining, and the reversion and reversions, remainder and remainders, rents, issues and profits thereof, and all the estate, right, title, interest, claim and demand whatsoever of the grantor, either in law or equity, of, in and to the above bargained premises, with the hereditaments and appurtenances.

TO HAVE AND TO HOLD the said premises above bargained and described, with the appurtenances, unto the grantee, his heirs and assigns forever. And the grantor, for himself, his heirs, and personal representatives, does covenant, grant, bargain, and agree to and with the grantee, his heirs and assigns, that at the time of the ensealing and delivery of these presents, he is well seized of the premises above conveyed, has good, sure, perfect, absolute and indefeasible estate of inheritance, in law, in fee simple, and has good right, full power and lawful authority to grant, bargain, sell and convey the same in manner and form as aforesaid, and that the same are free and clear from all former and other grants, bargains, sales, liens, taxes, assessments, encumbrances and restrictions of whatever kind or nature whatsoever, except taxes for the current year, a lien not yet due or payable, easements, restrictions, reservations, covenants and rights-of-way of record, if any.

The grantor shall and will WARRANT AND FOREVER DEFEND the above bargained premises in the quiet and peaceable possession of the grantee, his heirs and assigns, against all and every person or persons lawfully claiming the whole or any part thereof. The singular number shall include the plural, the plural the singular, and the use of any gender shall be applicable to all genders.

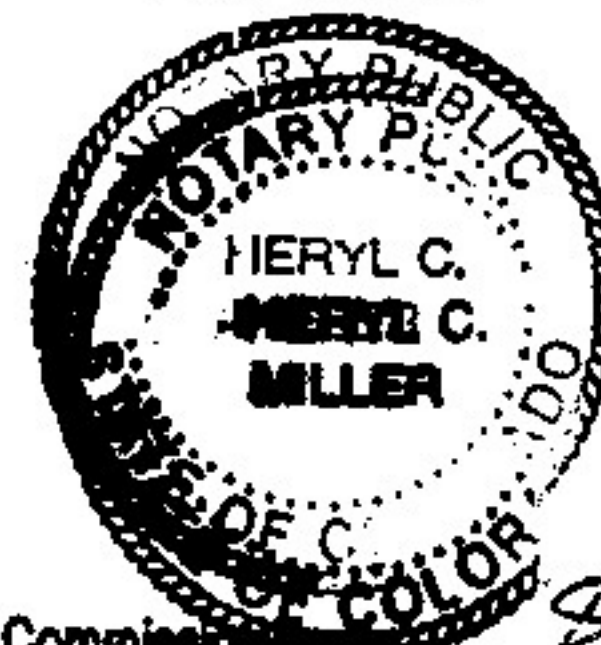
IN WITNESS WHEREOF, the grantor has executed this deed on the date set forth above.

Gunslinger Investment Corporation, a Colorado corporation

William W. Carstens  
William W. Carstens, President

STATE OF COLORADO )

COUNTY OF SAN MIGUEL )



My Commission Expires 8-8-07

The forgoing instrument was acknowledged before me this 3<sup>rd</sup> day of December, 2003,  
by William W. Carstens, President of Gunslinger Investment Corporation, a Colorado corporation

My commission expires

8-8, 2007. Witness my hand and official seal.

Cheryl C. Miller  
Notary Public



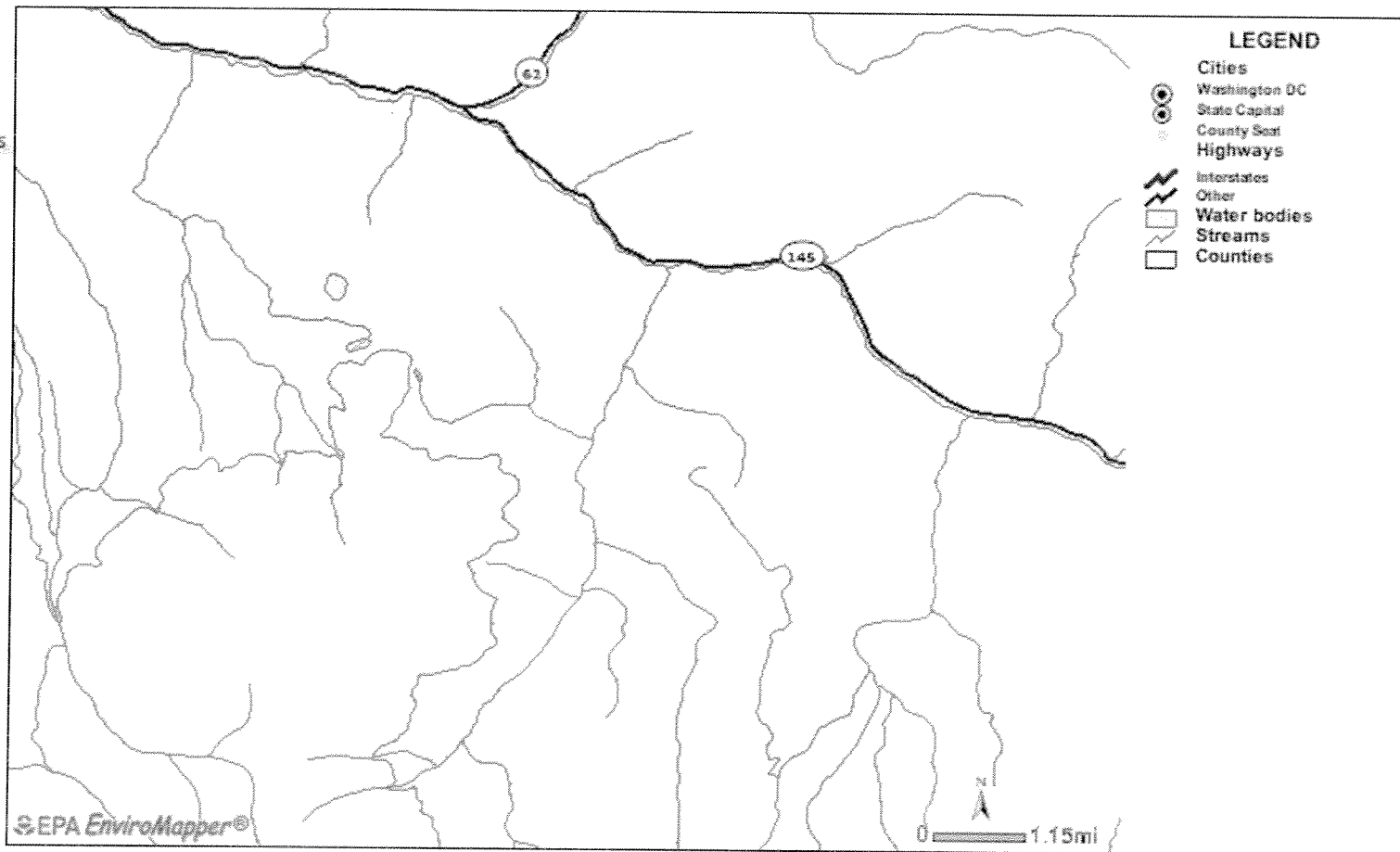
**U.S. Environmental Protection Agency**

## Envirofacts Data Warehouse

[Recent Additions](#) | [Contact Us](#) | [EF Search:](#)

**GO**

[EPA Home](#) > [Envirofacts](#) > [Multisystem](#) > [Query](#)



## LIST OF EPA-REGULATED FACILITIES IN ENVIROFACTS

To see a report on a facility click on the underlined Facility Name. Click on the underlined "View Facility Information" link to view EPA Facility information for the facility.

[Go To Bottom Of The Page](#)

FACILITY NAME/ADDRESS	FACILITY INFORMATION	Permitted Discharges to Water?	Toxic Releases Reported?	Hazardous Waste Handler?	Active or Archived Superfund Report?	Air Releases Reported?
BLUE JAY RESTAURANT & LODGE 2232 HIGHWAY 145 TELLURIDE, CO 81435	<a href="#">View Facility Information</a>	YES	NO	NO	NO	NO
FALL CREEK HOMEOWNERS ASSN. NW 1/4 S18, T43N,R10W SAN MIGUEL COUNTY, CO	<a href="#">View Facility Information</a>	YES	NO	NO	NO	NO

[Go To Top Of The Page](#)

Total Number of Facilities Displayed: 2

---

[EPA Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

This page was generated on Thursday, July 19, 2007

View the graphical version of this page at: [http://iaspub.epa.gov/wme/i3\\_ef\\_link.query\\_links?db\\_type=ENVIROFACTS&ul\\_lr=-108.1419085,38.0382595,-107.9419085,37.8882595](http://iaspub.epa.gov/wme/i3_ef_link.query_links?db_type=ENVIROFACTS&ul_lr=-108.1419085,38.0382595,-107.9419085,37.8882595)



## Envirofacts Data Warehouse

[Recent Additions](#) | [Contact Us](#) | [EF Search:](#)

**GO**

[EPA Home](#) > [Envirofacts](#) > [Multisystem](#) > Query Results

**U.S. Environmental Protection Agency**



Envirofacts

## Query Results

**Report  
an  
Error**

**ZIP Code:** 81430

**County Name:** San Miguel

**State Abbreviation:** CO

**Total Number of Facilities Displayed:** 0

---

[EPA Home](#) | [Privacy and Security Notice](#) | [Contact Us](#)

This page was generated on Thursday, July 19, 2007

View the graphical version of this page at: [http://oaspub.epa.gov/enviro/fii\\_master.fii\\_retrieve?fac\\_search=primary\\_name&fac\\_value=&fac\\_search\\_type=Beginning+With&postal\\_code=81430&location\\_address=&add\\_search\\_type=Beginning+With&](http://oaspub.epa.gov/enviro/fii_master.fii_retrieve?fac_search=primary_name&fac_value=&fac_search_type=Beginning+With&postal_code=81430&location_address=&add_search_type=Beginning+With&)



## RTK NET MASTER AREA REPORT

search used- Zip Code: 81430  
 City: ALL  
 State: CO  
 Year: ALL

Mailing as well as facility addresses were searched.  
 Database(s) FINDS were not searched.

This search was taken from RTK NET's (the Right-To-Know Network)'s copies of various EPA databases. RTK NET is run by OMB Watch at 1742 Connecticut Ave., NW, Washington DC, 20009 - Phone: 202-234-8494. The search was done on 07/19/2007.

If you don't see the words \*END OF REPORT\* at the end of this search, then this Web search didn't complete -- back up and try it again.

## PCS DATA

PCS (Permit Compliance System) is EPA's database of water pollution permits. The first line of each record below shows the PCS legal facility name, system-generated city & state, and NPDES ID.

GEYSER MINING CO L.E. (SF) PLACERVILLE CO COG370005  
 Major facility: N Facility Type: INDUSTRIAL  
 Number of quarter years in non-compliance (out of 13 possible): 0

## DOCKET DATA

DOCKET is a database of all court cases filed by the Dept. of Justice on behalf of EPA in civil court. It lists all cases since the beginning of EPA. A partial database of EPA Administrative Actions is also included. The first line of each record below shows the facility name, city, and state.

SAWPIT TOWN OF & MAYOR TOM SPY SAWPIT CO  
 Case Name: SAWPIT, TOWN OF/TOM SPYKE, MAY Case result: Unknown  
 SAWPIT TOWN OF & MAYOR TOM SPY SAWPIT CO  
 Case Name: SAWPIT, TOWN OF Case result: Consent instrument with no

Total numbers of records found from each database-

# of TRI facilities found : 0  
 # of RCRIS handlers found : 0  
 # of NPRI submissions found: 0  
 # of BRS facilities found : 0  
 # of PCS permits found : 1  
 # of ERNS reports found : 0  
 # of ARIP reports found : 0  
 # of DOCKET cases found : 2  
 # of CERCLA sites found : 0  
 # of RODS sites found : 0  
 # of CUS submissions found : 0  
 # of NPL sites found : 0  
 # of SETS PRPs found : 0

\*END OF REPORT\*



## TRI Facilities for Zip 81430, CO (2001 to 2005)

About the Data

Resources

Help

About RTK NET

search used-

Zip Code	81430
State	Colorado
Database Type	Current
Sort Order	By facility name
Reporting Year Range	2001 to 2005
Level of Detail	Summary
Type of Report Output	Text

This search was taken from RTK NET's (the Right-To-Know Network)'s copy of EPA's TRI database. RTK NET is run by OMB Watch at 1742 Connecticut Ave., NW, Washington DC, 20009 - Phone: 202-234-8494.

This search was done on July 27, 2007.

This copy of the database was last updated on 11/14/2006.

If you don't see the words \*END OF REPORT\* at the end of your report, then your Web search didn't complete -- back up and try it again.

You can use the select box below to re-submit this report with a different level of detail:

Summary

Change and re-submit

On the Web, info from the database appears colored LIKE THIS .

Help on the data fields in Summary reports is available.

### No records found

No records were found using these search parameters. You may wish to broaden or re-examine your search and try again.

\*END OF REPORT\*

RTK NET is a project of OMB Watch  
1742 Connecticut Avenue, N.W., Washington, D.C. 20009  
202-234-8494 (phone)  
202-234-8584 (fax)  
[rtkhelp@rtknet.org](mailto:rtkhelp@rtknet.org)

Colorado Welcome to...

## Colorado Department of Public Health and Environment

[Colorado Revised Statutes](#)

### DIVISION INFORMATION

[Division Home](#)

[Environmental Index A to Z](#)

[Forms and applications](#)

[Guidance and policy](#)

[Household hazardous waste](#)

[Information about us](#)


[Mapping applications- EcoSites](#)

[Notifications and permits](#)

[Regulations](#)

[State Telephone Directory](#)

[What's New?](#)

 [Live Help](#) | [Advanced Search](#)



## Hazardous Materials and Waste Management Division Federal Superfund Sites in Colorado

A site qualifies for the National Priorities List (NPL or Superfund list) when the U.S. Environmental Protection Agency (EPA) determines there is a release or threatened release of hazardous substances that may endanger public health, welfare or the environment. In Colorado, the agency for Superfund remediation may be either the EPA or the Colorado Department of Health and Environment. For more information on these sites, please review the site summary contact the state project officer at 303-692-3300 or 888-569-1831 toll-free, unless otherwise

[Telephone Directory](#)

### Superfund Sites

### State Project Officer

[Broderick Wood](#)  
5800 Galapago Street  
Adams County, CO

Jim Lewis

[California Gulch/Yak Tunnel](#)  
County Road 2 and Vicinity  
Leadville, CO

Doug Jamison

[Captain Jack Mill/Left Hand Canyon](#)  
1.5 miles south of town  
Boulder County, CO

Angus Campbell

[Clear Creek/Central City](#)  
Central City and Idaho Springs  
Mining District/Argo Tunnel

Ron Abel  
Doug Jamison  
Jim Lewis  
Mary Scott

[Chemical Sales Company](#)  
4661 Monaco  
Denver, CO

Fonda Apostolopoulos

[Denver Radium Sites](#)  
Operable Unit 8 (Shattuck)

Mark Rudolph  
Fonda Apostolopoulos

[Eagle Mine](#)  
State Highway 24 between  
Gilman and Minturn, CO

Wendy Naugle

[Lincoln Park \(Cotter\)](#)

Phil Stoffey

0502 Fremont County Road 68 Canon City, CO	
<u>Lowry Landfill</u> 4200 South Gun Club Road Arapahoe County, CO	Lee Pivonka Angus Campbell
<u>Marshall Landfill</u> 66th Street (South of State Hwy 170) Boulder County	Fonda Apostolopoulos
<u>PJKS Air Force Base</u> 12500 South State Highway 75 Jefferson County	Dave Walker
<u>Rocky Flats</u> Highway 93, North of Highway 72 Jefferson County	Carl Spreng
<u>Rocky Mountain Arsenal</u> North of Stapleton Airport Adams County	Susan Newton
<u>Sand Creek</u> 52nd and Dahlia Street & Vicinity Commerce City, CO	Fonda Apostolopoulos
<u>Smuggler Mine</u> Aspen, CO	Angus Campbell
<u>Standard Mine</u> Ruby Mining District Crested Butte	Jim Lewis
<u>Summitville Mine</u> Rio Grande County	Austin Buckingham
<u>Uravan Mill Site</u> Highway 141 Uravan, CO	Phil Stoffey
<u>VB/I70</u> Vasquez Blvd and I-70 Denver, CO	Fonda Apostolopoulos Mark Rudolph - se habla espa
<u>Woodbury Chemical Company</u> Garfield Street and 54th Avenue Commerce City, CO	Joe Vranka

**Proposed Sites**

Smeltertown  
9000 County Road 152  
Salida, CO

**State Project Officer**

Martin O'Grady

**Natural Resource Damages Sites**

ASARCO Globe Smelter  
495 East 51st Avenue  
Denver, CO

**State Project Officer**

Fonda Apostolopoulos

Idarado Mine  
Telluride and Ouray, CO

Camille Price

**Private (Non-Superfund) Cleanup Sites**

Bonanza Mining District  
Bonanza, CO

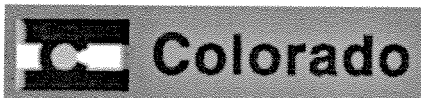
**State Project Officer**

Jim Lewis

[Link to EPA Region 8 Superfund fact sheets](#)

[Link to EPA Superfund website](#)

[Link to EPA Cleanups in My Community Web Tool](#)



## Hazardous Materials and Waste Management Division Site Reports

### *Voluntary Cleanup Site Reports*

*Report for sites in **SAN MIGUEL** County between 1/1/1994 and 12/31/2007.*

Thursday, July 19,  
2007

View in Excel

Site ID		Primary Name						
VS-00060		ZOLINE WEST MEADOWS						
App ID	Type	Name	Address	County	Received	Decision	Date of Decision	Details Link
VA-00070	NAD	ZOLINE WEST MEADOWS	SW OF TELLURIDE TELLURIDE, CO	SAN MIGUEL	12/18/1996	<b>APPROVED</b>	1/9/1997	<a href="#">Details</a>

Site ID		Primary Name						
VS-00105		SILVER BELL MINE & MILL						
App ID	Type	Name	Address	County	Received	Decision	Date of Decision	Details Link
VA-00126	VCUP	SILVER BELL MINE & MILL	E OF OPHIR LOOP OPHIR, CO	SAN MIGUEL	5/8/1998	<b>DENIED</b>	6/8/1998	<a href="#">Details</a>

Site ID		Primary Name						
VS-00139		SILVER BELL TAIL PILE						
App ID	Type	Name	Address	County	Received	Decision	Date of Decision	Details Link



VA-00225	VCUP	SILVER BELL TAIL PILE	W OF OPHIR LOOP OPHIR, CO	SAN MIGUEL	5/21/1999	<b>APPROVED</b>	7/20/2000	<a href="#">Details</a>
----------	------	--------------------------	------------------------------	---------------	-----------	-----------------	-----------	-------------------------

Site ID		Primary Name						
VS-00305		GOLDEN CHIEF MILL						
App ID	Type	Name	Address	County	Received	Decision	Date of Decision	Details Link
VA-00416	NAD	GOLDEN CHIEF MILL	1.5 MI S OF TELLURIDE UNINCORPERATED, CO 81435	SAN MIGUEL	5/13/2004	<b>APPROVED</b>	7/19/2004	<a href="#">Details</a>

Site ID		Primary Name						
VS-00020		PEARL PROPERTY TAILS						
App ID	Type	Name	Address	County	Received	Decision	Date of Decision	Details Link
VA-00443	VCUP	PEARL PROPERTY TAILS	NEAR TOWN OF TELLURIDE TELLURIDE, CO	SAN MIGUEL	10/31/1995	<b>WITHDRAWN</b>	4/16/1996	<a href="#">Details</a>

Site ID		Primary Name						
VS-00376		BOSTON PLACER						
App ID	Type	Name	Address	County	Received	Decision	Date of Decision	Details Link
VA-00550	NAD	BOSTON PLACER	6777 COUNTY ROAD 63L OPHIR, CO 81426	SAN MIGUEL	10/31/2006	<b>PENDING</b>		<a href="#">Details</a>

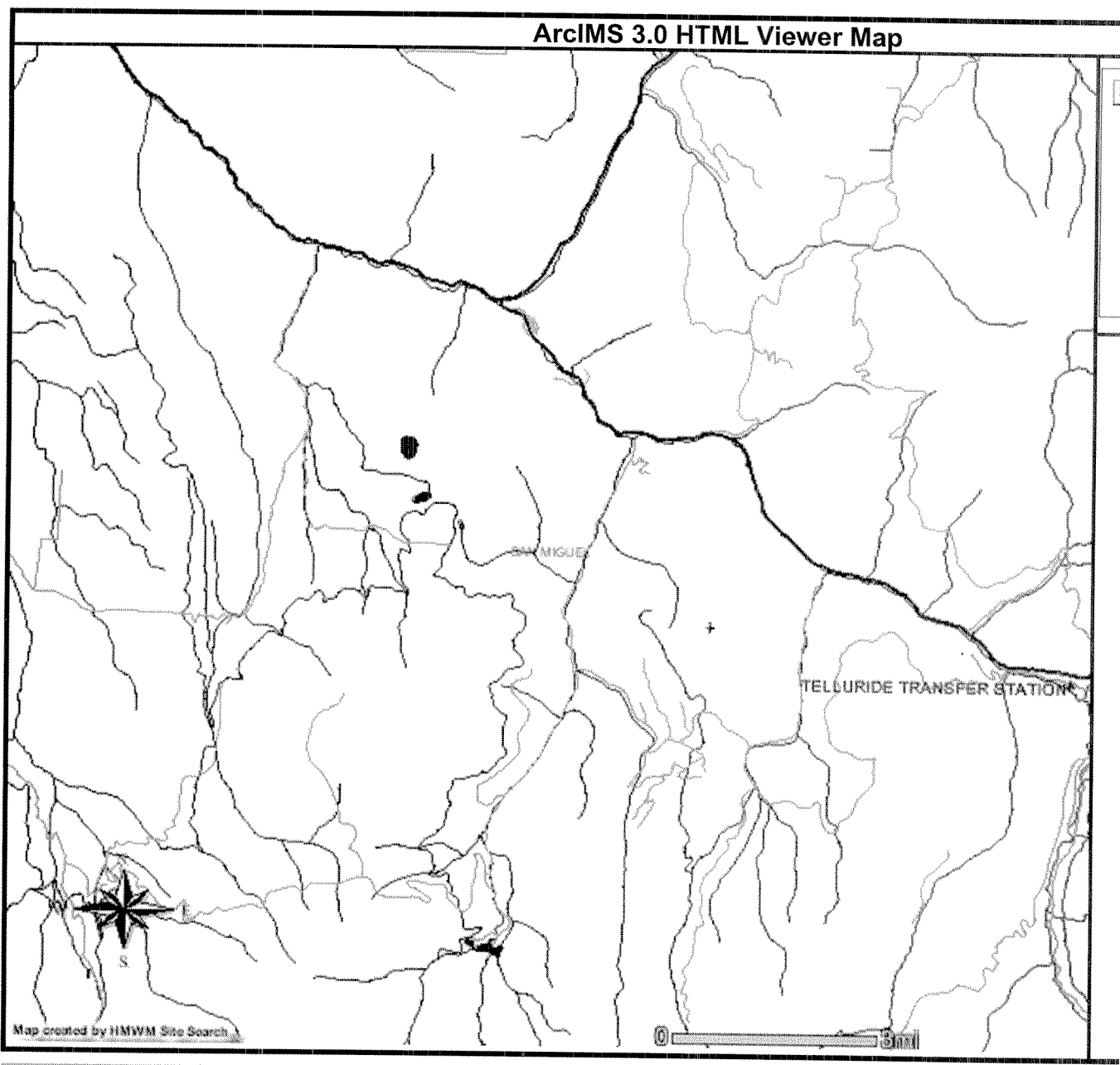
Site ID	Primary Name

VS-00384		NEWMIRE VANADIUM MILL SITE						
App ID	Type	Name	Address	County	Received	Decision	Date of Decision	Details Link
VA-00569	VCUP	NEWMIRE VANADIUM MILL SITE	UNKNOWN TELLURIDE, CO	SAN MIGUEL	3/22/2007	<b>PENDING</b>		<a href="#">Details</a>

Data last updated on: 3/29/2007

For more information on a given site please contact the [Hazardous Materials and Waste Management Division Record Center](#) to conduct a complete records review.

The Hazardous Materials and Waste Management Division (HMWMD) has attempted, to the best of its ability, to ensure that this information is correct. However, it is possible that some of the information shown here is not correct. The HMWMD is not responsible for uses made of this information and shall not be liable to the user of this information or to any other party for any reason whatsoever.



Tank Search Search Results

<u>Tank Tag</u>	<u>Facility</u>	<u>Type</u>	<u>Product</u>	<u>Capacity</u>	<u>Owner</u>
<u>2096-1</u>	FAS GLASS & BUILDING SPECIAL 160 FRONT ST PLACERVILLE 81430	UST	4 - Diesel	1000	
<u>2096-2</u>	FAS GLASS & BUILDING SPECIAL 160 FRONT ST PLACERVILLE 81430	UST	4 - Diesel	1000	
<u>2096-3</u>	FAS GLASS & BUILDING SPECIAL 160 FRONT ST PLACERVILLE 81430	UST	Gasoline	1000	
<u>13747-1</u>	FREDERICKS OF SAWPIT 20643 STATE HWY 145 PLACERVILLE 81430	UST	1 - Unleaded Regular (RUL)	10000	
<u>13747-2</u>	FREDERICKS OF SAWPIT 20643 STATE HWY 145 PLACERVILLE 81430	UST	3 - Unleaded Premium (PUL)	6000	

showing 1-5 of 5

Copyright © 2000, Colorado Dept. of Labor and Employment  
Developed by Greenbrier & Russel, Inc.

You are currently logged in as Public

Facility Search Search Results

<u><b>Id</b></u>	<u><b>Name</b></u>	<u><b>Address</b></u>	<u><b>Owner</b></u>
<u>13183</u>	<u>M &amp; M MERC</u>	<u>*MISSING*</u> <u>PLACERVILLE 81430</u>	<u>MCCLURE, MARY</u>
<u>2096</u>	<u>FAS GLASS &amp; BUILDING</u> <u>SPECIAL</u>	<u>160 FRONT ST</u> <u>PLACERVILLE 81430</u>	<u>MELZER, ROBERT</u>
<u>13747</u>	<u>FREDERICKS OF SAWPIT</u>	<u>20643 STATE HWY 145</u> <u>PLACERVILLE 81430</u>	<u>GILMOUR, ALLAN</u>

showing 1-3 of 3

Copyright © 2000, Colorado Dept. of Labor and Employment  
Developed by Greenbrier & Russel, Inc.

You are currently logged in as Public

## **APPENDIX D**

### **SITE PHOTOGRAPHS**



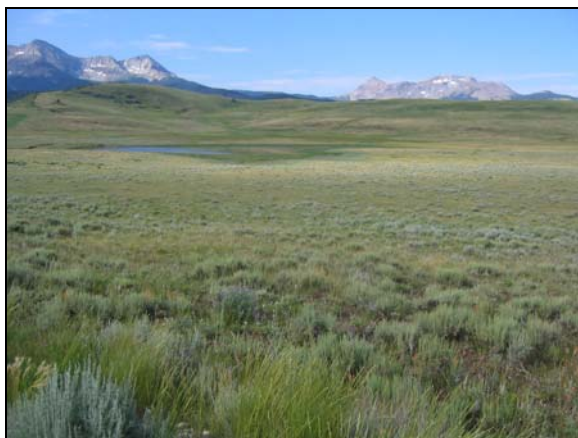
1. Central Parcel C looking northeast across wildlife pond



2. Halfway up mesa looking west across northernmost pond



3. Looking north across corral



4. Looking northwest across two central ponds



5. Looking northwest from northeast edge Parcel C (note Aspen patches and San Miguel River valley)



6. Looking northwest over rim at San Miguel River from northernmost point





7. Looking south across corral



8. Looking south across livestock fencing



9. Looking south over central wildlife pond



10. Looking south at east rim of central Parcel C



11. Looking south over eastern rim



12. Looking south toward Parcel C entrance gate (notice outfitter across road)





13. Looking southwest across 2 central ponds



14. Looking west across adjacent ranch west of corral



15. Looking west across ponds at corral



16. Parcel C looking northeast across northernmost wildlife pond



17. Ruins of shed at east rim Parcel B



18. Southernmost pond on west side



19. Top of mesa looking north from Parcel B



20. View from entrance looking northeast



21. Looking north at grain storage building

**APPENDIX E**  
**RESUME OF MARK S. ABSHIRE**

# MARK S. ABSHIRE, PE

*Senior Geotechnical Engineer*

---

## EDUCATION

MS, Civil Engineering (Geotechnical Engineering), Colorado State University, 2002

BS, Engineering Science (Aerospace Engineering), Colorado State University, 1992

## REGISTRATIONS/CERTIFICATIONS

Professional Engineer: Colorado (#33319, 1999), Arizona (#42023, 2004), New Mexico (#16950, 2005)

Concrete Field Testing Technician, Grade I: American Concrete Institute (#927854, 1993)

## EXPERIENCE SUMMARY

Mr. Abshire is a senior-level geotechnical engineer with over 14 years of experience in geotechnical engineering for public and private sector clients in Colorado, New Mexico, Nevada, Washington, Wyoming and Southeast Asia. Project management and project engineering experience include public works and civil infrastructure, community development, mine operation and closure activities, construction materials testing, and forensic investigations. Specific project experience includes geotechnical engineering for schools, churches, hospitals, municipal buildings, roadways, residential and commercial developments, municipal parks, water treatment plants, power generation facilities, mine closure and mine waste management. Mr. Abshire is actively involved in expansive soils issues and instrumental in the research, development and implementation of improvements in design approaches and building practices for construction on expansive soils.

## PROJECT EXPERIENCE

### *Public Works and Civil Infrastructure*

- **Telluride Regional Airport, Telluride, Colorado.** Project Manager for an improvement project to construct new airplane hangars and associated infrastructure. Scope included site planning, geotechnical investigation, foundation design, civil engineering, and construction of over 28,000 square feet of new hangar space, a new fueling facility, and associated aprons and pavement. Design challenges included poor foundation conditions, high groundwater, sloping ground, and active slope failure. (2006 to 2007)
- **Fallon Water Treatment Facility Geotechnical Investigation, City of Fallon, Nevada.** Project Engineer for a geotechnical investigation to provide recommendations for earthwork, foundations, and pavements for a new water treatment facility. The facility, servicing the City of Fallon and a nearby U.S. Naval Base, is designed to reduce naturally occurring high levels of arsenic in groundwater. Managed foundation designs for the administration, chemical storage, lime silo and water treatment buildings. Assisted with preparation of construction plans and specifications and reviewed shop drawings. Challenges included high groundwater, seismicity, and liquefaction-prone soils. (2003)
- **Water Treatment Plant Geotechnical Investigations, Broomfield, Colorado.** Project Engineer for geotechnical investigation prior to construction of additional clarifier and flocculation tanks. (1999)
- **Berthoud Water Treatment Plant/Berthoud, Colorado.** Project Engineer for geotechnical investigation for additional clarifier and flocculation tanks. (2000)
- **Superior Water Treatment Plant/Superior, Colorado.** Project Engineer for geotechnical investigation for additional clarifier and flocculation tanks. (2000)
- **Castle Rock Wastewater Treatment Facility Geotechnical Investigation, Castle Rock, Colorado.** Project Engineer. Responsible for a geotechnical investigation prior to construction of a new wastewater facility. Challenges included shallow, expansive bedrock and protection of adjacent structures. (1999)
- **Table Mesa Water Storage Tank Geotechnical Investigations, Colorado.** Project Engineer responsible for the geotechnical investigation for a 1M gallon, below-grade water storage tank. Design challenges included unstable temporary construction excavations due to dipping clay shale bedrock. (2000)



- **High Zone Water Storage Tank/Superior, Colorado.** Project Engineer responsible for the geotechnical investigation for a 1M gallon, below-grade water storage tank. Design challenges included unstable temporary construction excavations due to dipping clay shale bedrock. (2000)
- **Hy Glen Water Storage Tank/Louisville, Colorado.** Project Engineer responsible for the geotechnical investigation for a 1M gallon, below-grade water storage tank. Design challenges included unstable temporary construction excavations due to dipping clay shale bedrock. (2000)
- **AT&T Telecommunication Facilities Geotechnical Investigations, Colorado.** Project Engineer for geotechnical investigations to provide foundation recommendations for additions to existing telecommunications facilities. Improvements consisted of one-story additions with 1½ stories below grade level. Design challenges included highly expansive bedrock and high design service loads. Project sites include:
  - Louisville AT&T Facility . (1999)
  - Weld County AT&T Facility . (1999)
- **AT&T/Weld County, Colorado.** Project Engineer. Performed geotechnical investigation to provide foundation recommendations for an addition to the existing telecommunications facility. Improvements consisted of a one-story addition with 1 ½ story below-grade level. Design challenges included highly expansive bedrock and high design service loads. (2001)
- **Fiber Optics Transmission Line Field Quality Control (QC), Dacono, Colorado.** Project Engineer. Managed field QC during below-grade installation of fiber optics communication line. (1999)
- **Valmont Power Generation Facility Geotechnical Investigation, Boulder, Colorado.** Project Engineer. Performed geotechnical investigation for a new combustion turbine, ancillary structures, and high voltage transmission towers. Design challenges included thick deposits of ash/slag and high groundwater. (1999)
- **Larimer County Detention Center Quality Assurance (QA)/QC, Fort Collins, Colorado.** Project Engineer. Managed QA/QC during construction of a large addition to the county detention center, including earthwork, structural concrete, site work concrete, and asphalt pavements. (2001)
- **St. John's Municipal Hospital Geotechnical Investigation, Jackson Hole, Wyoming.** Project Engineer for a geotechnical investigation for a large hospital expansion that included two above-ground floors and two levels of below-grade parking. Challenges included protection of adjacent hospital structures and deep backfill zones. (2000)
- **Poudre Valley Hospital, Harmony Complex Geotechnical Investigation, Fort Collins, Colorado.** Project Engineer. Managed QA/QC for construction of a 40-acre hospital complex, including earthwork, structural concrete, site work concrete, and asphalt pavements. Construction challenges included an X-Ray room with 36-inch thick concrete walls. The room had to be constructed in one continuous pour and required quick-set concrete and numerous concrete tests. (2000 to 2001)
- **Ranum High School Geotechnical Investigation, Arvada, Colorado.** Project Engineer. Performed a geotechnical investigation for an addition to the main structure. (1998)
- **Byers Middle School Geotechnical Investigation, Byers, Colorado.** Project Engineer. Performed a geotechnical investigation for an addition to the main structure. Engineering report included recommendations for drainage improvements for the track and football field. (1998)
- **Hugo Elementary School Geotechnical Investigation, Hugo, Colorado.** Project Manager. Performed a geotechnical investigation for an addition to the main structure of the school. The existing building was constructed on a problem cut/fill site and had undergone in excess of 18 inches of consolidation on the fill side and several inches of heave on the cut side, resulting in severe damages from differential movements. (1998)

- **Valmont Municipal Park Geotechnical Investigation, Boulder, Colorado.** Project Engineer. Performed a geotechnical investigation to provide recommendations for site work, structures, footpaths, roadways, bridges, and hydraulic drop structures for a new 80+ acre municipal park. (1999)
- **Highland Meadows Golf Course Pedestrian Underpass Design, Windsor, Colorado.** Project Engineer. Prepared a structural design of four wing walls, each 80+ feet long and up to 12 feet high. (2003)
- **Park Hill Golf Course Geotechnical Investigation, Denver, Colorado.** Project Engineer. Performed a preliminary geotechnical investigation to evaluate subsurface conditions and identify foundation, earthwork, and site drainage strategies. (1998)
- **Highlands Ranch Recreation Center Geotechnical Investigation, Highlands Ranch, Colorado.** Project Engineer. Performed a geotechnical investigation at a recreation complex constructed on a thick hillside fill constructed of highly plastic, unstable fills. The continuous downhill creeping of the embankment caused ongoing damages to the tennis court surfaces, requiring substantial annual repairs. Performed a subsurface investigation to assess causes of the movement and develop mitigation strategies. (1998)
- **White Fence Farm Lake Improvements Geotechnical Analysis, Lakewood, Colorado.** Project Engineer. Performed a geotechnical engineering analysis and design for drainage improvements for a small municipal park lake. Improvements included redesign of a settling pond and installation of several drop structures to improve the inlet drainage channel. (1998)
- **Clear Creek Trail Geotechnical Investigation, Denver, Colorado.** Project Engineer. Performed a geotechnical investigation for a pedestrian underpass below a Platte River roadway bridge. Design challenges included high groundwater, seasonally high river levels, and scour. (1998)

#### *Community Development*

- **Resort Condominium/Hotel/Retail Development, Telluride, Colorado.** Project Manager. Development consists of construction of a new 11-story luxury condominium/hotel/retail complex excavated into a steep hillside in a ski resort community. The development also contains a new community recreation facility with an elaborate system of pools, slides, waterfalls and other water features. An extensive geotechnical and geological investigation was performed to provide recommendations for shoring, foundations, dewatering, and slope monitoring (including geotechnical instrumentation). Challenges included tall (75+ feet) permanent shoring of hillside cut, low tolerance for differential settlement (water features), acquisition of shoring easements, steeply dipping sedimentary bedrock, highly active groundwater conditions, historical landslide activity, active slope failure, adjacent structures, wetlands, and a critical transportation structure (gondola station). (2006 to Present)
- **Resort Condominium/Hotel/Retail Development, Telluride, Colorado.** Project Manager. Development consists of construction of a new 8-story luxury condominium/hotel/retail complex with 2 below-grade parking levels in a ski resort community. Scope included a geotechnical investigation to provide recommendations for foundations and dewatering, and geotechnical engineering inspections during construction. Challenges included tall (38+ feet) permanent shoring, very close adjacent structures, highly active groundwater conditions, historical landslide activity, and a critical transportation structure (gondola station). (2005 to Present)
- **Resort Condominium Development, Telluride, Colorado.** Project Manager. Development consists of construction of a new 4-story luxury condominium complex and pedestrian bridge in a ski resort community. Scope included a geotechnical investigation to provide recommendations for foundations and dewatering, and foundation design for the pedestrian bridge. Challenges included expansive soils, adjacent structures, highly active groundwater conditions, and historical landslide activity. (2005 to Present)
- **Resort Townhome Development, Telluride, Colorado.** Project Manager. Development consists of construction of a new 4-story luxury townhome complex and pedestrian bridge in a ski resort community. Scope included a geotechnical investigation to provide recommendations for foundations, shoring, earth

retention and dewatering, design of earth retaining structures, and foundation design for the pedestrian bridge. Challenges included highly variable foundation soils, adjacent structures, existing infrastructure, highly active groundwater conditions, and historical landslide activity. (2005 to Present)

- ***Preliminary/Feasibility and Design-level Geotechnical Investigations for Commercial/Industrial and Large-Scale Residential Developments, Colorado.*** Project Engineer. Performed geotechnical investigations for commercial/ industrial/ office buildings, single and multi-family residential subdivisions, multi-story condominium buildings, residential towers, and prefabricated steel buildings located along the Colorado Front Range Development Corridor. Investigations included geological hazard studies, slope stability analyses, and recommendations for design of earthfills and slopes, groundwater mitigation systems, foundations and floor systems, and pavement systems, emphasizing risk evaluation for expansive and collapsing soils. Project management duties included geotechnical and structural engineering, design of retaining walls, slope stabilization design, and review of QA/QC documentation. Managed construction observation and construction materials testing technical staff. (1993 to Present)
- ***Pickle Jar Dam Geotechnical Investigation, Blackhawk, Colorado.*** Project Engineer. Performed a geotechnical investigation for development of a private water storage reservoir to meet water procurement requirements for a new mountainous residential development. Geotechnical investigation was conducted to evaluate optimum location for the dam based on foundation considerations. Evaluated earthfill and roller-compacted concrete (RCC) as the most viable alternatives. The RCC alternative was selected due to insufficient local borrow material for an earthfill dam, and a viable concrete aggregate source was identified nearby. (2001)
- ***Union Pacific Railroad Daycare Facility Engineering Review, Omaha, Nebraska.*** Project Engineer. Provided an engineering review for a 4+ acre former railroad yard site characterized by up to eight feet of waste ash and slag. Provided engineering review and recommendations for removal of poor existing fill materials and identified viable foundation alternatives. (2003)
- ***Fort Lupton Country Club Geotechnical Investigation for Facility Additions, Colorado.*** Project Engineer. Performed geotechnical investigation for additions to existing buildings. Provided foundation design recommendations and pavement design. (1999)
- ***Trinity Lutheran Church/Fort Collins, Colorado.*** Project Engineer. Performed geotechnical investigation for additions to existing facility. Geotechnical report included foundation design recommendations and pavement design. (1999)

#### *Roadway Engineering*

- ***County Road Stabilization Geotechnical Services, Garfield County, Colorado.*** Project Manager. responsible for directing a geotechnical investigation and design and preparation of plans and specifications for stabilization of a roadway cut at the toe of a 40+ foot tall alluvial terrace. The design package included presentation of several mitigation alternatives to the County Planning Commission, consultation during the selection process, and preparation of the plans and specifications for the selected alternative. Alternatives included soil nailing, gabions, and a mechanically stabilized earth (MSE) wall. The selected alternative was a 300-foot long, 20-foot high block-face geogrid-reinforced earth wall. Plans and specifications met Colorado Department of Transportation specifications and included existing conditions, temporary construction easement and permanent land acquisition maps, cross-sections, asphalt repair, site drainage, and revegetation plans. (2005 to 2006)
- ***Roadway Reconstruction Geotechnical and Construction Materials Inspection Services, Colorado Springs, Colorado.*** As project engineer and resident geotechnical engineer, performed engineering inspections and materials testing services during reconstruction of damaged roadway sections in a mountainous residential subdivision. Reconstruction included removal and replacement of 150,000+ cubic yards of defective canyon fill materials. Assisted with preparation of plans and specifications, performed excavation and structural inspections for structures, approved fill removal and excavation floors prior to fill placement, and managed full-time QA/QC and construction observation. Prepared as-built construction report. (2002 to 2003)

- **Engineering Services for Realignment of City Streets, Blackhawk, Colorado.** Project Engineer responsible for preparing plans and specifications for several roadway realignments. New alignments included excavation to very steep side slopes in soil and bedrock. Slope stabilization included rock bolts, soil nails, and rockfall netting. (2001)
- **Judge Orr Road Bridge Replacement Geotechnical Investigation, El Paso County, Colorado.** Project Engineer responsible for a geotechnical investigation prior to replacement of the two-lane bridge. Foundation recommendations included driven piling. (1999)

*Mine Reclamation / Geotechnical Engineering*

- **Mine Closure Compliance Monitoring, Minahasa, Indonesia.** Project Engineer responsible for compliance monitoring at a gold mining facility that closed after eight years of mining. Processing included both milling and heap leach extraction. Tailings from the mill process were managed using submarine disposal techniques. Administered environmental library and managed transfer of environmental monitoring data to headquarters in Jakarta for preparation of closure submittals. Managed shipment of elemental mercury and calomel by products for recycling in the USA. Assisted with preparation of decommissioning, decontamination, and deconstruction plan for the mercury scrubber process line. Consulted with the mine closure superintendent to ensure compliance with the closure plan. Closure activities included regrading and covering of heap leach pad, construction of passive treatment system for heap leach drainage, and management of surplus ore. (2004)
- **Uranium Milling Facility Permit Preparation and Compliance, Ford, Washington.** Resident Engineer for demolition of a 13,000 square-foot, three-story mill building and appurtenant structures. Prepared and submitted to the Washington State Department of Health work permits for each phase of demolition to ensure worker safety and minimize release of contaminants. Managed full-time engineering observation of demolition, transport, and disposal activities to ensure permit compliance. (2002 to 2005)
- **Heap Leach Pad Reclamation, Elko, Nevada.** Project Engineer responsible for field engineering supervision for reclamation of a gold heap leach pad and construction of the water collection system, including preparation of an as-built construction report. (2002)
- **Detention Pond Liner Geotechnical Investigation, Denver, Colorado.** Project Engineer. Performed geotechnical investigation at a beverage bottling facility constructed adjacent to a river on the former site of a metal processing plant. The facility was constructed on thick deposits of blast furnace ash and slag. Performed a field investigation and design of a synthetic liner for a surface water detention facility. The liner was to prevent percolating surface water from leaching heavy metal contamination into the groundwater. Liner materials evaluated included compacted clay, high density polyethylene, and PVC. (2002)
- **Settling Pond Geotechnical Investigation, Meeker, Colorado.** Project Engineer responsible for a geotechnical investigation for a settling pond dam at a coal mining facility. (1999)
- **Tailings Pond Engineering Services, Raton, New Mexico.** As a Graduate Student, designed a downstream lift for a large coal mining facility. (1993)
- **Howe Pit Slope Stability, Denver, Colorado.** As Project Engineer, performed slope stability analyses for aggregate mining operations, including temporary highwalls and long-term reclaimed slopes. Challenges included boundary disputes and negotiations with adjacent landowners. (2000)
- **Dunes Pit Slope Stability, Denver, Colorado.** As Project Engineer, performed slope stability analyses for aggregate mining operations, including temporary highwalls and long-term reclaimed slopes. (2000)
- **Hazeltine Pit/Cooley Reservoir Geotechnical Investigation, Adams County, Colorado.** Project Engineer responsible for a geotechnical investigation prior to final reclamation of an aggregate mining pit. Reclamation plans included lining of the pit for water storage. Analyses included stability analyses for reclaimed slopes and for numerous existing high-voltage power transmission towers, and foundation investigation for conveyor bridges and processing equipment. (2000)



*Field Engineering*

- **Field QA/QC Technical Staff Management, Colorado Front Range.** Field QA/QC Manager of staffs of five to eight laboratory and field engineering technicians for several firms. Reviewed and approved inspection reports for excavations, footings, drilled piers, foundation reinforcing steel, floor slabs, foundation drains, concrete and asphalt test reports, and structural fill compaction reports. (1996 to 2001)
- **Mine Closure Compliance Monitoring, Minahasa, Indonesia.** Project Engineer responsible for compliance monitoring of a gold mining facility closed after eight years of mining. Processing included both milling and heap leach extraction. Tailings from the mill process were managed using submarine disposal techniques. Administered environmental library and managed transfer of environmental monitoring data to headquarters in Jakarta for preparation of closure submittals. Managed shipment of elemental mercury and calomel by products for recycling in the USA. Assisted with preparation of decommissioning, decontamination, and deconstruction plan for the mercury scrubber process line. Consulted with the mine closure superintendent to ensure compliance with the closure plan. Closure activities included regarding and covering of heap leach pad, construction of passive treatment system for heap leach drainage, and management of surplus ore. (1994)
- **Uranium Milling Facility Engineering Services, Ford, Washington.** Resident Engineer for demolition of a 13,000 square-foot, three-story mill building and appurtenant structures. Prepared and submitted to the Washington State Department of Health work permits for each phase of demolition to ensure worker safety and to minimize release of contaminants. Managed full-time engineering observation of demolition, transport, and disposal activities to ensure permit compliance. (2002 to 2005)
- **Heap Leach Pad Reclamation/Elko, Nevada.** Geotechnical Engineer. Provided field engineering supervision for reclamation of a gold heap leach pad and construction of the water collection system, including preparation of an as-built construction report. (2002)
- **Detention Pond Liner/Denver, Colorado.** Geotechnical Engineer for beverage bottling facility constructed adjacent to a river on the former site of a metal processing plant. The facility was constructed on thick deposits of blast furnace ash and slag. Performed a geotechnical investigation and design of a synthetic liner for a surface water detention facility. The liner was to prevent percolating surface water from leaching heavy metal contamination into the groundwater. Liner materials evaluated included compacted clay, HDPE, and PVC. (2001)
- **Settling Pond/Meeker, Colorado.** Project Engineer for geotechnical investigation for a settling pond dam at a coal mining facility. (1999)
- **Howe Pit/Denver, Colorado.** Project Engineer. Performed slope stability analyses for aggregate mining operations in Denver, Colorado, including temporary highwalls and long-term reclaimed slopes. Challenges included boundary disputes and negotiations with adjacent landowners. (2000)
- **Dunes Pit/Denver, Colorado.** Project Engineer. Performed slope stability analyses for aggregate mining operations in Denver, Colorado, including temporary highwalls and long-term reclaimed slopes. (2000)
- **Hazeltine Pit/Cooley Reservoir/Adams County, Colorado.** Project Engineer. Performed a geotechnical investigation for final reclamation of an aggregate mining pit. Reclamation plans included lining of the pit for water storage. Analyses included stability analyses for reclaimed slopes and for numerous existing high-voltage power transmission towers, and foundation investigation for conveyor bridges and processing equipment. (2000)

*Forensic Geotechnical Engineering*

- **Geotechnical Investigations for Structural Damage Lawsuits, Colorado Front Range Development Corridor, Colorado.** As Project Manager/ Project Engineer, performed geotechnical investigations for litigation support for 30+ single- and multiple-plaintiff and class-action construction defect lawsuits in the Colorado Front Range Development Corridor. Lawsuits involved damages to residential and commercial structures and roadways caused by expansive soils and bedrock, collapsing and consolidating soils, groundwater, surface drainage, and unstable slopes. Cases included single-family residences,

condominium and townhome complexes, hospitals, and commercial/office buildings. Prepared engineering reports identifying probable causes of damage, prepared and reviewed rebuttal reports, and outlined remediation approaches. (2001 to 2003)

### **PROFESSIONAL AFFILIATIONS**

American Society of Civil Engineers, Member

ASCE Geo-Institute, Member

Colorado Association of Geotechnical Engineers, Member

Colorado Association of Geotechnical Engineers, Professional Practice Committee, 1999, 2002, 2003.

Engineers Without Borders: Four Corners Professional Chapter. President (2006 to 2007).

Habitat for Humanity of La Plata County, Board of Directors (2005 to 2007), Construction Committee (2004 to 2007)

### **CONTINUING EDUCATION**

GeoDenver (ASCE), 2007

Mudslide Mania: Geological Society of America, 2005

Loss Prevention System (LPS) Behavior-Based Safety Program, 2005

40-hr OSHA HAZWOPER, 2005

MSHA Mine Safety Training (24-hr), 2003

Radiation Safety for Normally Occurring Radioactive Materials, 2003

Deep Foundations Workshop (ASCE), 2001

Radiation Safety Officer Seminar for Nuclear Gauges, 2001

Dipping Bedrock Revisited, Colorado Geological Survey, 2000

GeoData: What Do the Numbers Mean?, 1998

Analysis and Design of Mechanically Stabilized Earth Walls, 1998

Geologic Hazards and Engineering Practices in Colorado, Colorado Geological Survey, 1996

Asphalt Institute, Hot-mix asphalt pavement design, 1993

### **PUBLICATIONS**

Ekanayake, J., and **Abshire, M.S.** 2006. Equilibrium Moisture Profiles and Ground Heave in Expansive Soils. In: 4<sup>th</sup> International Conference on Unsaturated Soils. American Society of Civil Engineers- Geo Institute. Carefree, Arizona. April.

**Abshire, M.S.** 2003. Heave Prediction Using Indices Obtained from Odometer Tests. In: 12<sup>th</sup> Pan-American Conference on Soil Mechanics and Geotechnical Engineering; proceedings; 2003 Jun 22-25; Boston, MA.

**Abshire, M. S.** 2002. Differential Moisture Migration and Heave Beneath Slabs Over Dipping Expansive Shale [master's thesis]. Available from: Colorado State University, Fort Collins, CO.

**Abshire, M.S.**, Durkee D.B., Nelson J.D. 1998. Case History: A Field Investigation of Moisture Migration and Heave of Simulated Slabs-On-Grade. In: 2<sup>nd</sup> International Conference on Unsaturated Soils; proceedings; 1998 Aug 27-30; Beijing, China.

### **PRESENTATIONS**

**Abshire, MS** [presenter]. 1998. Geological Hazards: New and Emerging Engineering Practices and Land Use Strategies for Northern Colorado. Colorado Geological Survey, Colorado Natural Hazards Mitigation Council, Geologic Hazards Committee.

**Abshire, MS** [presenter]. 1996, 1997. Seminars for local real estate firms addressing expansive soils issues pertaining to new and existing residential and commercial development.

### **PROFESSIONAL EMPLOYMENT HISTORY**

Senior Geotechnical Engineer, Tetra Tech, Inc., 2001 to Present

Project Manager/Project Engineer, CTL/Thompson, Inc., 1998 to 2001

Project Manager/Project Engineer/Staff Engineer, Foundation and Soils Engineering, 1994 to 1998

Staff Engineer, Sundale Associates, 1993 to 1994

Graduate Teaching Assistant, Colorado State University, 1992 to 1993

NASA Research Fellow, Colorado State University, 1992 to 1993