



Consulting
Engineers and
Scientists

Phase I Environmental Site Assessment

Himebaugh Property
Hot Sulphur Springs, CO 80451

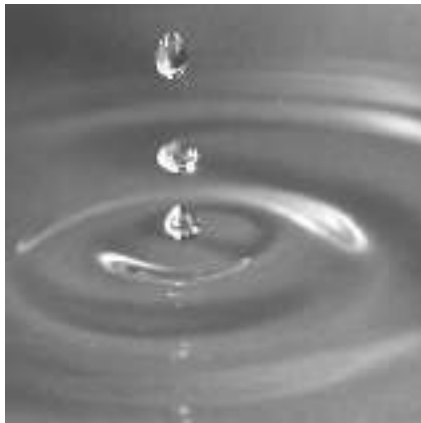
Submitted to:

Dan Nolan
Town of Hot Sulphur Springs
513 Aspen Street
Hot Sulphur Springs, CO 80451

Submitted by:

GEI Consultants, Inc.
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December 4, 2020
Project No. 2004902



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Executive Summary

GEI Consultants, Inc. completed a Phase I Environmental Site Assessment (Phase I ESA), on behalf of the Town of Hot Sulphur Springs, for a tract of land identified as the Himebaugh Property located in Grand County, Colorado (the Property). The ESA was conducted in general accordance with the American Society for Testing and Materials (ASTM) Standard E 1527-13 titled, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* (ASTM Standard). The Property is located adjacent to the south of the Town of Hot Sulphur Springs and is currently utilized for cattle ranching. There are currently no structures located on the Property.

Recognized Environmental Conditions (RECs)

We identified no recognized environmental conditions (RECs) at the Property, which is defined by ASTM as, “*The presence or likely presence of any hazardous substances or petroleum products in, on, or at a Property: (1) due to the release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.*”

1. Introduction

GEI Consultants, Inc. (GEI), has completed a Phase I Environmental Site Assessment (ESA), on behalf of the Town of Hot Sulphur Springs, for a tract of land identified as the Himebaugh Property located adjacent to the south of the town of Hot Sulphur Springs, Grand County, Colorado (the Property). The Property is located southeast from the town of Hot Sulphur Springs and is currently utilized for cattle ranching.

1.1 Purpose

The purpose of the Phase I ESA is to:

- Identify recognized environmental conditions (RECs); defined by ASTM as a condition with the potential for a past, current, or future release of oil or hazardous material (OHM) at the Property.
- Identify historical RECs (HRECs); defined by ASTM as a past release of OHM that has achieved regulatory closure without required controls or conditions.
- Identify controlled RECs (CRECs); defined by ASTM as a past release of OHM that has achieved regulatory closure with required controls or conditions.

1.2 Detailed Scope of Services

Services for this Phase I ESA were conducted in accordance with GEI's proposal dated November 4, 2020, and authorized by Mr. Robert J. McVay, Mayor, through a Notice to Proceed dated November 5, 2020. In accordance with our proposal we:

- Reviewed environmental, physical, and historical use record sources considered to be publicly available, practically reviewable, and obtainable within reasonable time and cost constraints (i.e., reasonably ascertainable).
- Reviewed documents and maps regarding local geologic and hydrogeologic conditions in the vicinity of the Property.
- Performed a reconnaissance of the Property.
- Prepared this Phase I ESA report.

This report summarizes the information that we gathered as part of the Phase I ESA.

1.3 Significant Assumptions

Our opinion and conclusions are based on the information sources presented in this report and listed in Section 13 (References), and a reconnaissance of the Property. GEI assumes that all available information obtained as part of this ESA, including database records, interview information, and historical information, is accurate and reliable.

1.4 Limitations and Exceptions

This report meets the general requirements for a Phase I ESA, established by ASTM Standard E1527-13, with the following exceptions:

- A review of available records maintained by federal, state, and municipal offices was used to substitute for interviews with employees of those departments.
- Title and judicial records for the Property were not made available to GEI by the issuance date of this report, and as such, a review of such records for environmental liens or activity and use limitations was not completed as part of this Phase I ESA.

This report also meets the general requirements of the Great Outdoors Colorado Land Acquisition Procedures Due Diligence Requirements for GOCO-Funded Land Acquisitions issued August 2018.

The opinions provided are based on the information described in this report. Future investigations or information that was not available to GEI may result in modification of the findings of this report. A survey for asbestos, mold, lead paint, radon gas, and lead in drinking water was not performed. In preparing this report, GEI relied on file information provided by state and local officials and information and representations made available to GEI at the time of the report. If such information is incomplete or inaccurate, GEI is not responsible. GEI's professional services for this project have been performed in a manner consistent with that degree of skill and care ordinarily exercised by members of our profession currently practicing in the same locality, performing similar services under similar conditions. GEI makes no other representations and no warranties, express or implied.

1.5 Special Terms and Conditions

This Phase I ESA was performed with no Special Terms and Conditions.

1.6 User Reliance

This report was prepared for the use of the Town of Hot Sulphur Springs, exclusively. Reliance on this report by anyone other than the Town of Hot Sulphur Springs is done at the sole risk of the user..

2. Property Description

2.1 Property Location and Legal Description

The Property is located adjacent to the south of the Town of Hot Sulphur Springs, Colorado (Fig. 1). According to the Grand County Assessor's Office online database, the Property owner is currently listed as Jones Creek Ranch, LLC. According to the available city and county assessor information, abbreviated legal descriptions associated with the Property are as follows:

- Parcel 1445-111-00-006, owned by Jones Creek Ranch LLC:
 - METES & BOUNDS 78 ALL 38.88 AC+/-, NE4NE4 LYING SOUTH OF CO RD 55 SEC 11 T1N R78W DESC REC 97004910 LESS HIMEBAUGHS 1ST ADDN TO HOT SULPHUR SPRINGS DESC REC 8708
- Parcel 1445-111-00-008, owned by Jones Creek Ranch LLC:
 - METES & BOUNDS 78 ALL SE4NE4 AND NE4SE4 SEC 11 T1N 80AC SE4NE4, NE4SE4 SEC 11 T1N R78W
- Parcel 1441-141-15-001, owned by Jones Creek Ranch LLC:
 - DEAL PARK SUBDIVISION ALL BLOCKS AND LOTS WITHIN IDEAL PARK SUB EXCEPT ALL ROW

The entire Property is approximately 275 acres in size and is currently utilized for cattle ranching. A survey of the property is included in Appendix A of this report.

The Property is further described as having a latitude and longitude of 40.063° and -106.090°, and UTM coordinates of 4,435,379.92 m N and 407,072.35 m E.

2.2 Property Vicinity and General Characteristics

The Property is located in a rural portion of Grand County adjacent to the Town of Hot Sulphur Springs. The Property and vicinity generally consist of hilly agricultural land and forest. Open land/forest abuts the Property to the west, south, and east. The Town of Hot Sulphur Springs abuts the Property to the north.

Hot Sulphur Springs is located in the north-central part of Colorado where the climate is typically semi-arid. Summers are warm, with an average high temperature of about 75

degrees F, and winters are cold, with an average high temperature of about 30 degrees F. Average precipitation in the Hot Sulphur Springs area is approximately 18 inches, and the average snowfall for the area is approximately 64 inches per annum. A Property Location Map is included as Figure 1.

According to information obtained from the Grand County Assessor's Office, the Property is zoned as agricultural land. No historical zoning/use information was available for the Property.

2.3 Current Use of the Property

The Property is currently utilized for cattle ranching.

2.4 Description of Structures, Roads, and Other Improvements on the Property

The Property currently consists of open land used for cattle ranching. A small dirt road (County Road 557) runs north-south through the Property although this road is not well maintained and may contain wash-outs. The Property is accessible from the north via a locked farm gate and ranching access road at the far southeast corner of Ridgeway Ave.

There currently are no structures on the Property other than bollards, a fence, and signposts at the edge of the Property. The Property is reported to have previously included a small warming hut and tow rope from approximately 1947 to 1952 as part of the former Snow King Valley Winter Sports Area. Following closure of the ski area, the warming hut was moved to the Forest Service compound in Hot Sulphur Springs where it was used as a bunkhouse for seasonal personnel and later was converted to the town library. There is no information to suggest that OHM were stored or used on the Property when developed with the warming hut/bunk house and tow rope. Historical photos of the ski area suggest that the tow rope was run with electric motors and no petroleum fuel products are suspected to have been stored or used in conjunction with the tow rope operation. User provided information including news clippings and Hot Sulphur Springs library history are included in Appendix B of this report.

2.5 Current Use of the Adjoining Properties

The current uses of the adjoining sites were determined based on physical observations made at the time of the on-site reconnaissance by both walking and driving the vicinity of the subject site.

NORTH - Residential properties within the town of Hot Sulphur Springs abut the Property to the northwest and County Road 55 abuts a small section to the north/northeast with open space beyond. The properties and County

road to the north/northeast are at a topographically down-gradient (i.e., at a lower elevation) of the Property.

EAST - Open land abuts the Property to the east. The properties to the east are topographically cross/down-gradient of the Property.

SOUTH - Open land/forest owned by the United States Forest Service abuts the Property to the south. The properties to the southwest are topographically cross/up-gradient of the Property.

WEST - Open land/forest abuts the subject Property to the west. The properties to the west are topographically cross/up-gradient of the Property.

Based on observations made of the adjoining properties and data reviewed, the current uses of the adjoining properties are not considered to present RECs for the Property.

3. User Provided Information

According to ASTM E 1527-13, the "user" is the party seeking to use the ASTM Practice to complete an ESA of a Property. The user of this ESA (Town of Hot Sulphur Springs) response to the questionnaire is included in Appendix C.

3.1 Title Records

The Title Commitment for the Property provided by the user of this ESA did not identify any environmental liens or Activity use limitations (AULs) for the Property.

3.2 Environmental Liens or Activity and Use Limitations

The user of this Phase I ESA did not identify known or suspected environmental liens or AULs associated with the Property and our review of other readily available information does not suggest that environmental liens or AULs exist for the Property. The user did identify an easement related to recreational trails (Appendix D).

3.3 Specialized Knowledge

According to Dan Nolan, who is a member of the Town of Hot Sulphur Springs Board of Trustees, an easement for a recreational trail exists for the subject Property (D. Nolan, personal communication, November 6, 2020). The easement is approximately 20' wide and exists along the unmaintained road on the east side of the property. The easement allows for residents of the Himebaugh Estates subdivision to ingress and egress the Arapaho National Forest by means of pedestrian, bicycle, equestrian, and snowmobile transportation.

3.4 Commonly Known or Reasonably Ascertainable Information

The user of this ESA is not aware of any commonly known or reasonably ascertainable information within the local community that is relevant to identifying RECs at the Property.

3.5 Valuation Reduction for Environmental Issues

The user of this ESA, did not provide any information regarding the purchase price for the Property.

3.6 Owner, Property Manager, and Occupant Information

According to available Grand County Assessor's Office information, the Property is currently owned by Jones Creek Ranch LLC. Managed by Max Webel, and occupied by Monte Linke, who utilizes the range for cattle grazing.

3.7 Reason for Performing ESA

GEI has completed this ESA, on behalf of the Town of Hot Sulphur Springs, as part of the due diligence for a potential real estate transaction.

4. Summary of Previous Environmental Reports

Previous reports of environmental significance for the Property, if available, were not provided for our review.

5. Records Review

5.1 Standard Environmental Records Sources

Environmental Data Resources (EDR) of Milford, Connecticut conducted a search of federal and state databases for sites within ASTM-specified minimum search distances of the Property. A copy of the EDR report is in Appendix E.

GEI reviewed the EDR report for listings that could potentially affect environmental conditions at the Property. According to the EDR report, no listings exist for the Property or for sites within the ASTM-specified minimum search distances of the Property.

Additional historical uses that could potentially affect conditions at the Property are discussed in Section 5.4.

5.2 Additional Environmental Records Sources

GEI reviewed available Colorado Storage Tank Information System (COSTIS) database, and the Colorado Division of Oil and Public Safety's (CDLE OPS) public online mapping application to identify any registered petroleum storage tanks (PST) and/or leaking petroleum storage tank (LPST) facilities. Neither COSTIS nor CDLE OPS identified any open or closed events located on the Property.

No additional Environmental Records Sources were reviewed by GEI.

5.3 Physical Setting Sources

5.3.1 *Surface Topography*

The Property exists in a small valley and slopes downward to the northwest. Based on the U.S. Geological Survey Topographic map for the 2019, Hot Sulphur Springs, Colorado Quadrangle (7.5-minute series), the surface elevation of the Property is approximately 8,000 feet above the North American Vertical Datum (NAVD) of 1988.

5.3.2 *Geologic Setting*

The Property is located in the west-central section of the Hot Sulphur Springs, Colorado, 2019, Quadrangle (7.5-minute series), which is located in north-central Colorado. The Geologic Map of Colorado (1978), published by the U.S. Geological Survey, indicates the Property is located over the Middle Park Formation and the Pierre Shale. The Middle Park Formation is comprised of arkosic sandstone and conglomerate containing abundant volcanic material.

5.3.3 Hydrogeologic Setting

No on-site water wells were observed or reported for the Property.

Based on surface topography and drainage, groundwater at the Property is presumed to flow northwest. Groundwater depth and flow direction can vary due to seasonal changes, withdrawal of groundwater, and the application of irrigation water.

5.4 Historical Use Information

5.4.1 Aerial Photographs

GEI reviewed available aerial photographs from EDR for the years 1954, 1975, 1979, 1983, 1990, 1994, 1999, 2005, 2009, 2013, and 2017. The site remains relatively unchanged from 1954 to 2017. A review of the photographs is presented below.

The site remains undeveloped except for a small dirt road (County Road 557) running north to south through the Property. Between 1999 and 2005, new development for residential homes occurred to the northwest of the Property.

No potential RECs were observed on the historical aerial photographs. Copies of the historical aerial photographs are presented in Appendix F to this report.

5.4.2 Topographic Maps

GEI reviewed EDR-provided historical Hot Sulphur Springs, Colorado USGS 7.5-minute topographic quadrangle maps of the Property for the years 1957, 1980, and 2013. A review of the topographic maps is presented below.

The topographic maps depict the Property as open land with a road running north to south.

No potential RECs were observed on the historical topographic maps. Copies of the historical topographic maps are presented in Appendix G in this report.

5.4.3 Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps are not available for the Property. EDR reported that no Sanborn Maps are available (Appendix H)

6. Interviews

6.1 Interview with Current Owner and Property Manager

The current Property owner/owner representative was available for an interview. A copy of the notes from the interview are presented in Appendix I in this report.

6.2 Interview with Current Occupants

There are no current occupants. The Property is currently open land utilized for cattle ranching.

6.3 Interview with Past Owner/Occupants

Past owners or occupants of the Property were not available for interview.

6.4 Interview with Local Government Officials

6.4.1 Assessor's Office

According to available Grand County Assessor's Office information, the Property is currently listed as owned by Jones Creek Ranch LLC.

6.4.2 Department of Community Development and Public Health and Environment

GEI spoke with Vicki Ellis from the Grand Country Department of Community Development who reported that they did not have any relevant records for the Property (V. Ellis, personal communication, November 24, 2020). Ms. Ellis indicated that their department also handles requests for the Grand County Department of Public Health and Environment that also did not have any relevant records for the Property.

6.4.3 Fire Prevention Office

GEI spoke with a representative from the Hot Sulphur Springs Fire Prevention Office on November 24, 2020 who reported that they did not have any relevant records for the Property.

7. Property Reconnaissance

The reconnaissance of the Property was performed on November 13, 2020, by Mr. Tom Daigle, a GEI Geologist, and Project Manager. The purpose of the reconnaissance was to collect current Property information, document Property conditions, and observe and document conditions related to the potential presence of OHM. The Property consists of open land containing a small creek and dirt road. Photographs taken during the Property visit are in Appendix J.

7.1 Property Observations

7.1.1 Property Description

At the time of the reconnaissance, the Property was observed to be open land approximately 275 acres in size. Himebaugh Creek and County Road 557 run south to north through the Property.

7.1.2 Pits, Ponds, and Lagoons

No pits, ponds, or lagoons were observed on the Property.

7.1.3 Stained Soil or Pavement

No stained soil or pavement was observed on the Property.

7.1.4 Odors and Stressed Vegetation

No unusual odors or stressed vegetation was observed on the Property.

7.1.5 Solid Waste

No dumpsters were observed on the Property during the site visit and information regarding past waste disposal was not available.

7.1.6 Wastewater Disposal

There are no buildings and no wastewater disposal pipes were observed on the Property.

7.1.7 Wells

No wells were observed on the Property.

7.1.8 Septic Systems

No evidence of a septic system or cesspool was observed at the Property.

7.1.9 Other Utilities

No other utilities were observed at the Property.

7.2 Oil/Chemical Storage

7.2.1 Current Chemical Storage/Waste Generation

No chemical storage areas were observed on the Property.

7.2.2 Past Chemical Storage/Waste Generation

No former chemical storage areas were observed on the Property.

7.3 On-Site Storage Tanks

7.3.1 Underground Storage Tanks

No evidence of underground storage tanks (USTs) was observed on the Property.

7.3.2 Aboveground Storage Tanks

No evidence of aboveground storage tanks (ASTs) was observed on the Property.

7.4 PCB-Containing Equipment

No equipment suspected of containing polychlorinated biphenyls (PCBs) was observed on the Property.

7.5 Surficial Dumping

No evidence of surficial dumping was observed on the Property.

8. Findings

GEI Consultants, Inc. completed an ASTM Phase I ESA, on behalf of the Town of Hot Sulphur Springs, for the Property located at the Himebaugh Tract in Hot Sulphur Springs Colorado (the Property).

8.1 Recognized Environmental Conditions

We identified no recognized environmental conditions (RECs) at the Property, which is defined by ASTM as, *“The presence or likely presence of any hazardous substances or petroleum products in, on, or at a Property: (1) due to the release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.”*

9. Deviations

Limitations and exceptions are discussed in Section 1.4.

Based on a review of historical information, a review of state/federal regulatory databases, and the on-site reconnaissance, these limitations/data gaps are not considered significant. It is considered unlikely that the conclusions and recommendations of this report would be altered should additional records become available at some future time.

10. Additional Services

No additional services were performed as part of the Phase I ESA.

11. Environmental Professionals Statement

Resumes for staff involved in the preparation of this report are attached in Appendix K. We meet the definition of an Environmental Professional, as defined in 40 CFR 312.10, to the best of our professional knowledge and belief. We have the specific qualifications based on education, training, and experience to assess a Property of the nature, history, and setting of the Property. We have developed and performed all the appropriate inquiries in conformance with the standards and practices outlined in 40 CFR 312.

Name: Tom Daigle

Date: 12/4/2020

Title: Project Manager



12. References

American Society of Testing and Materials (ASTM), Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation 1527-13, November 2013.

EDR (2020). The EDR Radius Map™ Report with Geotrace®, Himebaugh Property, Hot Sulphur Springs, CO 80451, Inquiry Number 6263030.2s, Environmental Data Resources Inc., Milford, Connecticut, November 11, 2020.

EDR (2020). The EDR Aerial Photo Decade Package, Himebaugh Property, Hot Sulphur Springs, CO 80451, Inquiry Number 6263030.8, Environmental Data Resources Inc., Milford, Connecticut, November 11, 2020.

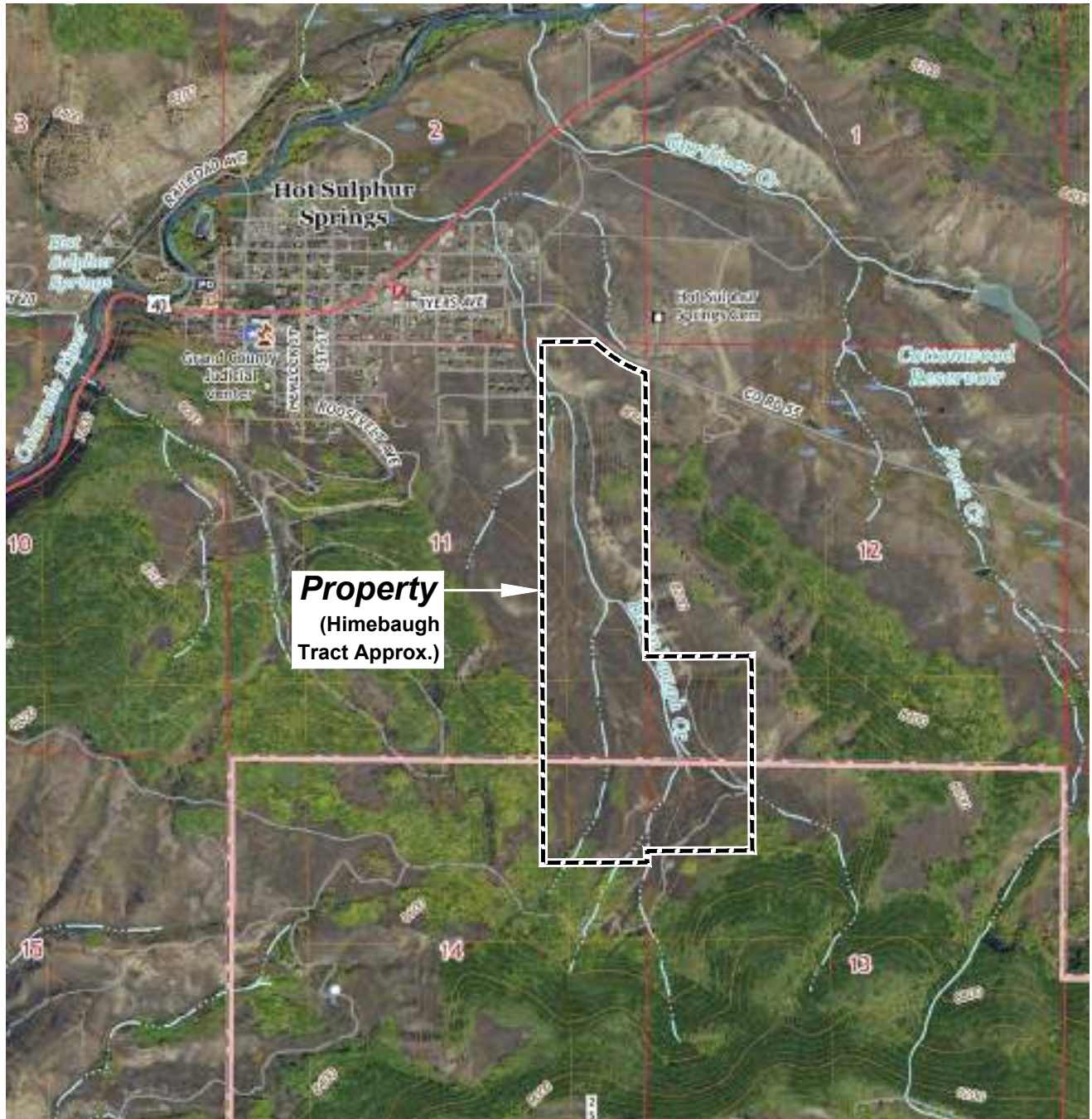
EDR (2020). EDR Historical Topo Map Report, Himebaugh Property, Hot Sulphur Springs, CO 80451, Inquiry Number 6263030.4, Environmental Data Resources Inc., Milford, Connecticut, November 11, 2020.

GEI (2020). Site reconnaissance on November 13, 2020.

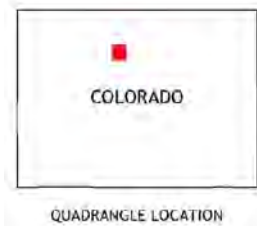
GRAND COUNTY ASSESSOR'S OFFICE. <https://co.grand.co.us/133/Assessors-OfficeFigures>

United States Geological Survey. *Geologic map of Colorado*. 1:500,000. Tweto, Ogden: U.S. Department of the Interior. 1979.

Figures



Property
(Himebaugh
Tract Approx.)



This Image is from U.S.G.S. Topographic 7.5 Minute Series
Hot Sulphur Springs, CO Quadrangle, 2019.
Datum is North American Vertical Datum of 1988 (NAVD88).
Contour Interval is 40 Feet.

Phase I Environmental Site Assessment
Himebaugh Tract (3 Parcels)
Hot Sulphur Springs, Colorado



PROPERTY LOCATION MAP

Dan Nolan
Hot Sulphur Springs, Colorado

Project 2004902

December 2020

Fig. 1

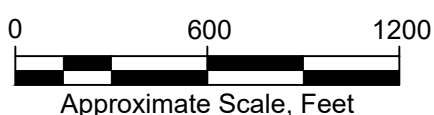


**HOT
SULPHUR
SPRINGS**

County Road 55

← **APPROXIMATE HIMEBAUGH
TRACT BOUNDARY**

GOOGLE EARTH IMAGE DATED 8/27/2019.



Phase I Environmental Site Assessment
Himebaugh Tract (3 Parcels)
Hot Sulphur Springs, Colorado

Dan Nolan
Hot Sulphur Springs, Colorado

GEI 
Consultants

Project 2004902

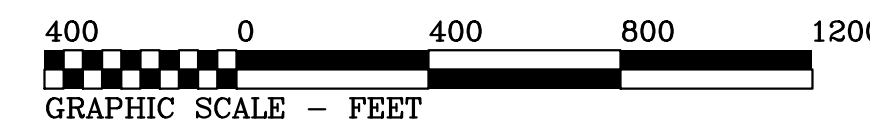
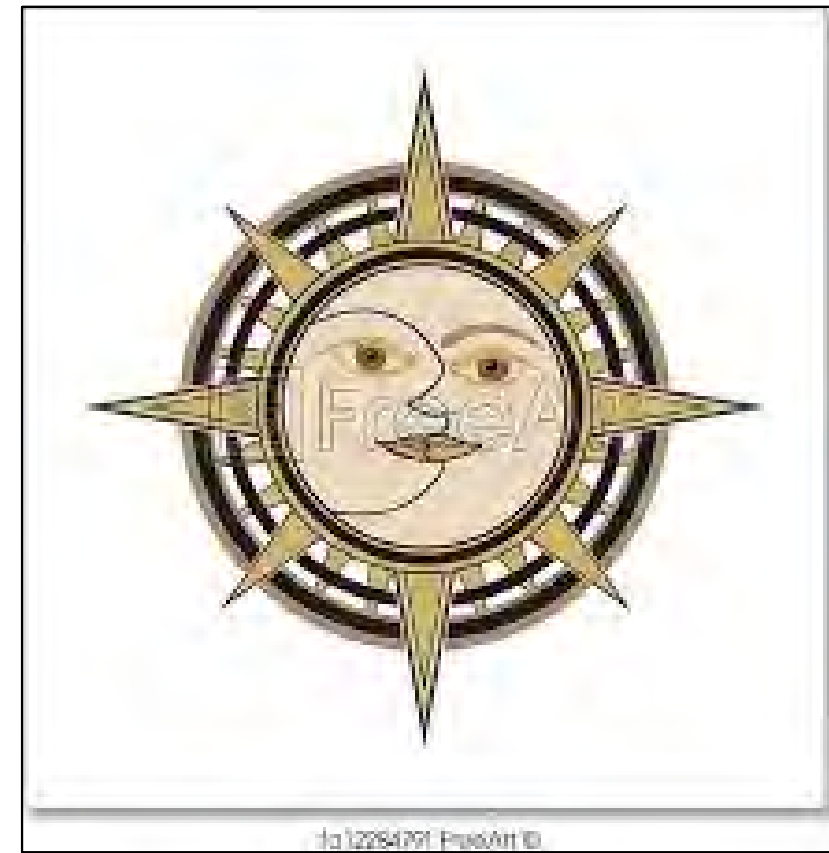
PROPERTY PLAN

December 2020

Fig. 2

Appendix A

Property Survey

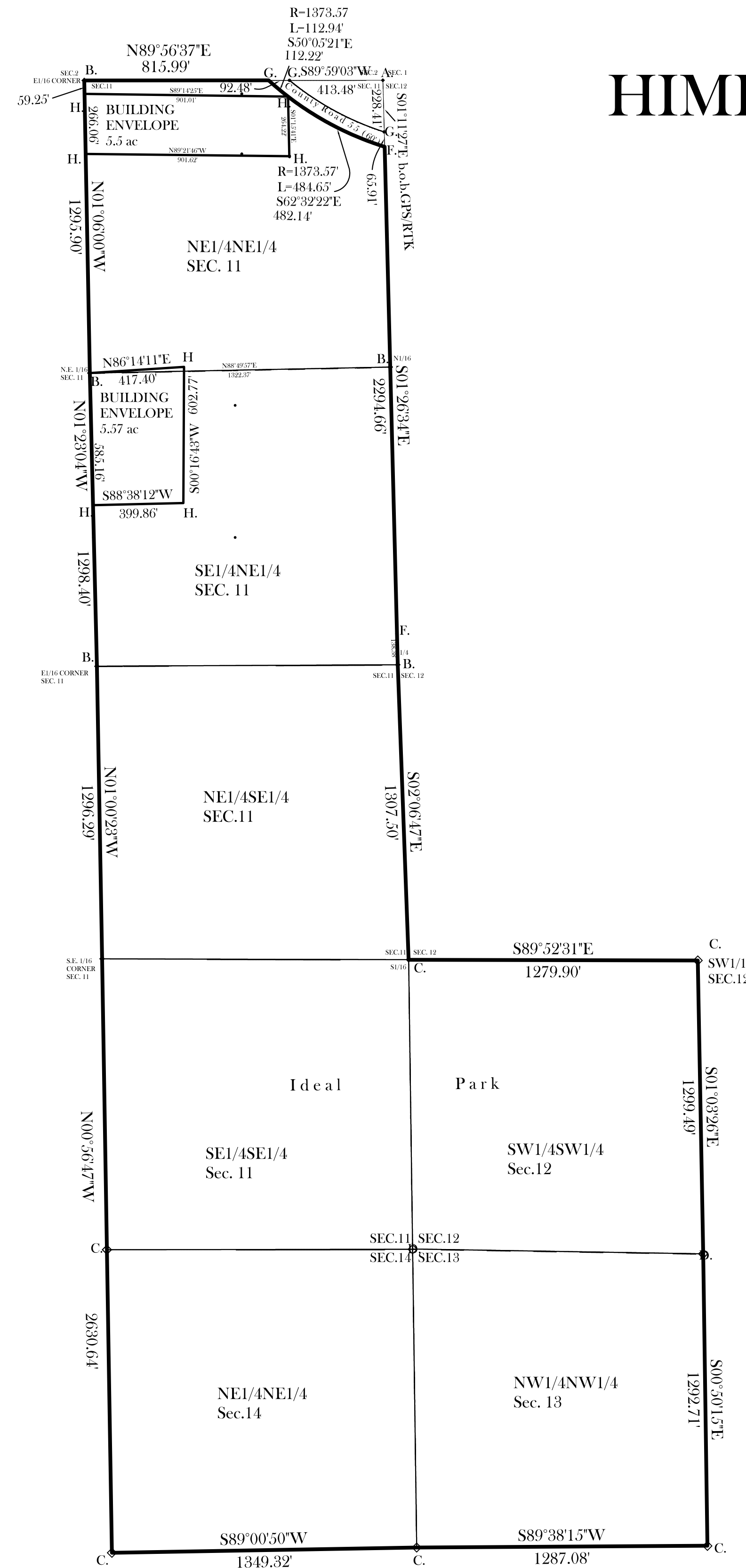


KEY:

- A. - PLSS CORNER NOTED, FOUND 2" ALUMINUM CAPPED, 3/8" REBAR STAMPED PLS 11415.
- B. - PLSS CORNER NOTED, FOUND 2" ALUMINUM CAPPED, 3/8" REBAR STAMPED PLS 26950.
- C. - PLSS CORNER NOTED, PROTRACTED, NO MONUMENT FOUND OR SET.
- D. - PLSS CORNER NOTED, FOUND 1965 BUREAU OF LAND MANAGEMENT BRASS CAP.
- F. - FOUND PLASTIC CAPPED, 3/8" REBAR STAMPED PLS 26950.
- G. - SET ALUMINUM CAPPED, 3/8" REBAR SCRIBED Is 25971.
- H. - SET 10" SPIKE

LEGAL DESCRIPTION

HIMBAUGH CREEK CONSERVATION EASEMENT, being that part of the NE1/4NE1/4 Sec. 11, lying south of County Road 55, the SE1/4NE1/4, NE1/4SE1/4 Sec. 11, together with all of the Ideal Park Subdivision, Reception No. 17029, and consisting of all the SE1/4SE1/4 Sec. 11, SW1/4SW1/4 Sec. 12, NW1/4NW1/4 Sec. 13, and NE1/4NE1/4 Sec. 14, Township 1 North, Range 78 West of the 6th Principal Meridian, Grand County, Colorado.



HIMEBAUGH CREEK CONSERVATION EASEMENT

The NE1/4NE1/4, SE1/4NE1/4,
NE1/4SE1/4 SEC. 11 South of CR 55
& All of Ideal Park Subdivision
Parts of Sec. 11, Sec.12, Sec. 13 & Sec. 14
T1N R78W 6PM, Grand County CO
275 ACRES, +/-

NOTICE:

1. For title, reference to a title insurance commitment is recommended.
2. Buried Utilities are not located or shown hereon.
3. Wetlands are not addressed.
4. This document is certified as one, complete document. Any alteration, addition, change, or edit of any part of this document, as-is or after being transferred to other parties, supercedes and invalidates all previous information and certifications.
5. Subject to applicable building setbacks and zoning restrictions duly enacted prior to, and/or added after the recording of this subdivision.
6. A monument established by the first surveyor acting in good faith is a property corner. A boundary is the line where property rights change. Once established, property corners and boundaries do not move, but can possibly be vacated. Surveyors do not have jurisdiction to unilaterally vacate boundaries or make legal rulings over conflicting boundary evidence.
7. Ideal Park is a recorded subdivision, prepared in 1912, consisting of Lots, Blocks, and streets. The streets are dedicated to the public. These streets do not appear to have ever been vacated by the County. The perimeter boundary of Ideal Park would have been defined by the Section Lines as monumented as of 1912 by the General Land Office. Ideal Park does not state if the G.L.O. monuments were found or set, or what the measured dimensions were. There are no surveys known to the undersigned since 1912 indicating that monuments were found or set. It is the undersigned understanding that to monument Ideal Park today would require a retracement of the 1965 Bureau of Land Management Dependant Resurvey. Those lines are protracted hereon for the purpose of this Easement.

This land survey survey plat shows the result of a field survey done by me or under my responsible charge based on facts known to me, complies with applicable statutes set forth by Title 38, Articles 50 and 51, CRS, and is not a warranty or guarantee, either expressed or implied.

w
ward
surveyor



Azimuth Survey Company
P.O.Box 653 Fraser, Colorado 80442
f800-725-2734 p970-531-1120

HIMEBAUGH CREEK CONSERVATION EASEMENT -The NE1/4NE1/4, SE1/4NE1/4, NE1/4SE1/4 SEC. 11, South of CR55 & All of Ideal Park Subdivision Part of Sec. 11, Sec. 12, Sec. 13 & Sec. 14 T1N R78W 6PM, Grand County CO

DATE: 09-18-20, rev 11-16-20
SCALE: 1 in = 400 usft BY: w JOB: A20-57

Appendix B

User-Provided Information: Snow King Ski Area

Hot Sulphur Springs Library History of the Building

The building that now houses the Hot Sulphur Springs Library began its life in the 1930's as part of the Civilian Conservation Corps (CCC) camp in Glenwood Springs, CO. In 1946 Forest Service District Ranger J. Morgan Smith worked with the Hot Sulphur Springs Ski Club to develop the Snow King Valley Winter Sports Area on the national forest slopes above town. In the course of this project Smith obtained permission from his Forest Service superiors to dismantle this CCC building and move it to Hot Sulphur Springs to be used as a warming hut at the ski area. A crew was dispatched to Glenwood Springs to move the building. In a letter by Smith he describes that

“A local crew dismantled the building and hauled it to Sulphur in 6 truck loads. Trucks and labor was [sic] furnished by the Forest Service and local truckers. An attractive 20' by 64' shelter was erected at Snow King.”



Warming hut at Snow King Valley Winter Sports Area. Ranger J.Morgan Smith on right.

Snow King Valley Winter Sports Area operated for only a few years. In 1952 it was closed down and the rope tow and other equipment were sold to Granby. District Ranger R. L. Dunstan reported that in 1953

“The shelter house was moved from the Snow King area and placed on the lot in back of the warehouse in Hot Sulphur Springs. This building will be used to house temporary employees as soon as it can be adequately improved.”

The Sulphur Ranger District headquarters compound was located in Hot Sulphur Springs (Block 22, Lots 7-12 and 1st Addition to Hot Sulphur Springs, Block 1, Lots 1-12) from 1937 to 1983 when the District moved to an office in Granby. Well into the 1980's this building, on its current location, served as a bunkhouse for Forest Service seasonal

employees. In 1991 the Forest Service deeded the land in Hot Sulphur Springs to Grand County, and the bunkhouse was eventually converted into the Hot Sulphur Springs Library.

References Forest Service correspondence: M. W. Thompson, August 16, 1946; M.W. Thompson, September 26, 1946; M. W. Thompson, November 8, 1946; J. Morgan Smith, February 26, 1947; R. L. Dunstan, February 19, 1953; R. L. Dunstan, February 3, 1954; Correction Exchange Deed, June 6, 1993; Dan Nolan, personal communication, 2010.

For immediate use

RELEASED WITH PIX TO:

SKI NEWS
SKI ILLUSTRATED
WESTERN SKIING

HOT SULPHUR SPRINGS, Colo. --- The same week the 267 inhabitants of this little mountain town subscribed \$4,000 for a new fire engine, they dug still deeper into their jeans and came up with \$3,000 as a starter for their new ski area. This was 11 months ago.

Today, Colorado ski experts and newspaper editorialists are characterizing Snow King Valley, the state's newest winter sports area, which Hot Sulphur's ski-minded citizens wrought with their own hands in less than a year's time, as "an outstanding example of what concerted community effort can produce."

Located in Arapaho National Forest, just two miles southeast of here, Snow King Valley boasts a 1,500-foot rope tow powered by a 50-horsepower electric motor, a practice slope, two intermediate trails, a shelter house, a large parking area and two miles of new road. The practice slope is a quarter of a mile in length and the intermediate trails extend slightly more than 2,000 yards. The shelter house is 20 feet wide by 64 feet long and is provided with complete lunch facilities and a ski patrol room.

Barney McLean, the son of whom Hot Sulphur is most proud, declared Snow King Valley "the most intelligently planned area for beginners and experts I have ever seen." Then he added: "The possibilities for future development are unlimited." Commented Dick Durrance: "Just the place to bring my young son to learn to ski!"

Yes, 11 months ago, Snow King Valley was just a gleam in the town's collective eye. But one fine week last March, the officers of the Hot Sulphur Ski Club called a public meeting. Purpose: To discuss the proposed winter sports area. Place: The Grand County Courthouse. So many eager folks arrived that the affair, even before it started, took on the aspects of a full-fledged convention. The courthouse bulged, then overflowed. So the assemblage had to betake itself en masse to the more spacious Legion Hall where, it was rumored, there "might" be room for all.

There was an impassioned oration or so to the effect that Hot Sulphur Springs, of all places, should move to take its place in the skiing sun. After all, wasn't Hot Sulphur the oldest skiing town west of the Mississippi River? Hadn't it a ski club that dated back to 1911? And couldn't it proudly claim as its own the great Barney McLean --- and Glennie and Leonard McLean, teen-agers who'll soon be making their celebrated brother look to his laurels?

Then, 'mid wild cheers, came the blizzard. Not snow, but greenbacks which, when counted added up to more than \$3,000, the goal that had been set for the initial fund-raising.

The history of Snow King Valley actually goes back to February, 1946. At that time, a group of local people, headed by Deane Glessner, proprietor of the famous Drowsy Water Ranch, decided something should be done to promote winter sports in a big way in the Hot Sulphur area.

So the first thing to do was to find a location that would be suitable for ski development and yet readily accessible by

automobile. After considerable of a search, the present site --- which had been suggested by Forest Ranger J. Morgan Smith and okayed by Sandy Schauffler, ski expert for the Denver Chamber of Commerce Winter Sports Council --- was approved by the group.

Then came the eminently successful initial fund-raising meeting in March. The laying out of the new area by Slim Davis, winter sports planner for the Forest Service, and Ranger Smith consumed all of April and part of May. In the meanwhile, the townspeople raised additional funds by staging parties, dances and other special events to which admission could be charged.

When the actual work at Snow King Valley got under way, many interests and individuals made substantial contributions of cash, cooperation and actual labor. The county commissioners put two miles of excellent road into the area over rights-of-way donated by land-owners. This work was accomplished under the personal direction of Commissioner George Field. Russ Marr and the Mountain Utilities Corporation strung a power line more than two miles to the site of the ski tow machinery. Manager Bill Smart of the Mountain Telephone & Telegraph Company saw to it that a special telephone line was installed for use in the operation of the tow. The Denver & Salt Lake Railroad donated the use of its D-7 Caterpillar and an operator. Nearby ranchers furnished horses and rigs to skid logs off the practice slopes and trails. Local men furnished labor estimated to have a value of \$3,500.

Through efforts of Regional Forester John W. Spencer and Forest Supervisor J. S. Veeder, an old Forest Service-CCC barracks

building at Glenwood Springs, nearly 200 miles away, was made available for use as a shelter house. A crew went to Glenwood and dismantled the building. The Forest Service and local truck-owners hauled it to Hot Sulphur in six loads.

In addition, the Middle Park Recreational Association, county-wide in its functions, loaned the sponsors \$500 and two local men came up with additional advances of \$400 to assure proper completion of the project.

Rolla B. Greenhalgh, president of the Hot Sulphur Ski Club, acted as official coordinator, spent the whole period of the development keeping the enthusiasm of the many helpers at high pitch.

The day's not so far off, aver citizens of the town, when the ski trains will start running from Denver to Hot Sulphur Springs. It was found, during dedication week-end, that the town and nearby ranches, open for winter visitors, could easily accommodate 800 skiers over ^{the night} ~~the week-end~~ --- three times the local population.

From - Fred L. Shaw
Gray & Company
319 Colorado National Bank Bldg.
Denver 2, Colorado

Hot Sulphur Ski Project Opened

HOT SULPHUR SPRINGS, Feb. 1.—The many visitors who poured into this snow-struck Grand County town today have been caught in a raging epidemic.

But the epidemic in this case is the same siege of community spirit and selflessness that made the opening of nearby Snow King Valley possible. The two 2000-foot intermediate trails and the quarter-mile practice slope are the outcome of a strictly local venture.

Some 200 skiers, ranging in age from six to 60 and in ability from sitzmarkers to experts found the slopes, under six inches of new fallen snow, to their liking. Barney McLean has called the development the "most intelligently planned I ever saw for beginners and intermediates," and everyone out today will back that up. The skiing was excellent.

Residents Contribute Labor

Furthermore the 1000-foot rope tow is located so that it services all the slopes. The development, into which 278 residents poured \$6000 and an estimated \$3500 in labor, also has a shelter house, a parking area and dining facilities.

Skiers on the slopes today included Ruber Hilton, Slim Davis, Morgan Smith and Clare Henden, all of the Forest Service; Thor Greenwald; Fred Bellmar, president of the SRMSA; and Ed Taylor,

president of the Southern Rocky Mountain Ski Patrol.

The McLeans, Barney, Leonard and Glen, Gordon Wren, Jerry Hiatt and Dick Durrance were also out, working into shape for the exhibition jumping and slalom racing they will perform tomorrow.

Attend Ski Dance

Sulphur's spirits rose even higher tonight as enthusiastic skiers doffed their boots for the big ski dance which one and all attended.

Work on the area, two miles from the town in the Arapahoe National Forest, was begun last summer after Davis and Smith of the Forest Service had laid out the preliminary plans. Holla Greenhalgh, president of the re-organized White Sulphur Springs, threw in his infectious enthusiasm and, along with Deane Glessner, directed the town's effort.

Snow King Valley, served by the Denver & Salt Lake R. R., besides having ideal terrain for further development boasts sufficient snow for skiing from November to May. And, as far as the visitors here are concerned, the hospitality and exuberance of the people are a perfect match for the fine skiing conditions.



Glenn McLean
Practices for Hot Sulphur Springs exhibition

Appendix C

User Provided Questionnaire

USER QUESTIONNAIRE



- 1) Are you aware of any environmental cleanup liens against the *property* that are filed or recorded under federal, tribal, state or local law?
Yes No If "Yes", explain: _____
- 2) Are you aware of any activity and land use limitations (AULs) such as *engineering controls*, *land use restrictions* or *institutional controls* that are in place at the *property* and/or have been filed or recorded in a registry under federal, tribal, state or local law?
Yes No If "Yes", explain: Recreation Trail Easement - attached
- 3) As the *user* of this *ESM* (i.e., person seeking to qualify for landowner liability protections [LLPs]) do you have any specialized knowledge or experience related to the *property* or nearby properties? For example, are you involved in the same line of business as the current or former *occupants* of the *property* or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?
Yes No If "Yes", explain: _____
- 4) Does the purchase price being paid for this *property* reasonably reflect its fair market value? If you conclude there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present?
Yes No NA If "No" or "NA", explain: _____
- 5) Are you aware of commonly known or *reasonably ascertainable* information about the *property* that would help the *environmental professional* to identify conditions indicative of releases or threatened releases? For example, as *user*:
- a) Do you know the past uses of the *property*? Yes No If "Yes", explain: Used for grazing cattle.
- b) Do you know of specific chemicals that are present or once were present at the *property*? Yes No If "Yes", explain: _____
- c) Do you know of spills or other chemical releases that have taken place at the *property*? Yes No If "Yes", explain: _____
- d) Do you know of any environmental cleanups that have taken place at the *property*? Yes No If "Yes", explain: _____
- 6) Based on your knowledge and experience related to the *property* are there any *obvious* indicators that point to the presence or likely presence of contamination at the *property*? Yes No If "Yes", explain: _____
- 7) Are you aware if any of the following documents exist for the *property*? Yes No If "Yes", check all boxes that apply:
- | | |
|---|---|
| <input type="checkbox"/> Environmental assessment reports? | <input type="checkbox"/> Safety, spill prevention, or preparedness plans? |
| <input type="checkbox"/> Environmental compliance audit reports? | <input type="checkbox"/> Hydrogeologic reports? |
| <input type="checkbox"/> Environmental permits? | <input type="checkbox"/> Hazardous waste generator notices or reports? |
| <input type="checkbox"/> Tank (AST or UST) registrations? | <input type="checkbox"/> Geotechnical studies? |
| <input type="checkbox"/> Underground injection system registrations? | <input type="checkbox"/> Risk assessments? |
| <input type="checkbox"/> Material Safety Data Sheets (MSDSs)? | <input type="checkbox"/> Recorded AULs? |
| <input type="checkbox"/> Community right-to-know plan? | |
| <input type="checkbox"/> Notices or correspondence from any government agency relating to past or current violations of environmental laws for the <i>property</i> or relating to environmental liens encumbering the <i>property</i> ? | |
- 8) If you are aware that any of the documents above exist with respect to the *property*, can copies of existing documents be provided to GEI within reasonable time and cost constraints? Yes No NA If "No", explain: _____
- 9) Are you aware of: (a) any pending, threatened, or past litigation relevant to hazardous substances (HSs) or petroleum products (PPs) in, on, or from the *property*; (2) any pending, threatened, or past administrative proceedings relevant to HSs or PPs in, on, or from the *property*; or (3) any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to HSs or PPs?
Yes No If "Yes", explain: _____

Site: Himebaugh Creek Property

Completed By (Type): DAN NOLAN

Date: 11/5/2020

Completed By (Sign): Dan Nolan

Appendix D

Easement

RECREATIONAL TRAIL EASEMENT AGREEMENT

MAX L. WEBEL DECLARATION OF TRUST, DATED APRIL 2, 1987, MAX L. WEBEL, TRUSTEE, and KATHRYN M. WEBEL DECLARATION OF TRUST, DATED DECEMBER 14, 1995, KATHRYN M. WEBEL, TRUSTEE (collectively known herein as the "Webels"), for good and valuable consideration, hereby sells and conveys to HIMEBAUGH ESTATES OWNERS ASSOCIATION, a Colorado nonprofit corporation (known herein as the "HOA") and its members thereof, a recreational trail easement (known herein as the "Easement") as hereinafter described, for the purposes and subject to the terms and conditions hereinafter set forth.

ARTICLE 1.0 – DESCRIPTION; PURPOSE

1.1 The Easement hereby granted is described as follows:

An easement twenty feet (20') in width over and across portions of Webels' property described on Exhibit "A" attached hereto, and specifically described in location on Exhibits "B-1 and B-2" attached hereto and incorporated herein by this reference (the "Burdened Property").

1.2 The Easement shall be appurtenant to and benefit the real property described on Exhibit "C" attached hereto and incorporated herein by this reference (the "Benefited Property").

1.3 The Easement is granted for the purpose of and may be used for recreational trail access from County Road 55 (a.k.a Cottonwood Pass Road) and from Himebaugh's First Addition to Hot Sulphur Springs ("Himebaugh Subdivision") to the Arapaho National Forest land lying South of the Burdened Property. The Easement may be used for ingress and egress to the National Forest land by means of pedestrian, bicycle, equestrian and snowmobile transportation only. No other means of motorized or non-motorized transportation shall be allowed.

ARTICLE 2.0 – TERMS AND CONDITIONS OF EASEMENT

2.1 The Easement is intended to be a perpetual, nonexclusive easement for the benefit of the current and future owners of the Benefited Property and shall run with the title thereto. It may be used by such owners, their family members, tenants and occasional guests. No commercial use is allowed. Snowmobile use of the Easement shall be limited to traveling no faster than 10 mph and only as a means of ingress and egress from the Arapaho National Forest. Use of the Easement shall be limited to daylight hours.

2.2 The Easement shall be only for the surface use of the property over which it passes. All subsurface rights are reserved to the fee owner of the

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Burdened Property over which the Easement passes. Webels also reserve the right, for itself and its successors and assigns, to relocate the Easement anywhere upon the Burdened Property, at Webels' sole discretion, so long as a reasonable means of recreational trail access is maintained to the Arapaho National Forest land in accordance with the purpose and intent of this Agreement.

- 2.3 Benefited Property owners may use the Easement only in an unimproved state. No construction, excavation or other alteration of the Easement shall be undertaken by Benefited Property owners. Webels may undertake alterations or improvements on the Easement, including without limitation the installation of road improvements, at Webels' sole discretion, subject only to the requirement that there shall be no unreasonable interference with Benefited Property owners' use of the Easement for recreational access as provided herein.
- 2.4 The owner of the Burdened Property, or any portion of it, may permit livestock to be upon the Easement at any time, and shall not be liable for any personal injury or property damage which may be suffered or incurred by any person or entity as a result of such livestock. To the contrary, it shall be the duty of any person using that portion of the Easement upon the Burdened Property to avoid striking or harming livestock upon the Easement, and any person doing so shall be strictly liable for all damages incurred by the owner of such injured livestock, including such owner's reasonable attorney fees.
- 2.5 The owner of Burdened Property may from time to time install locked or unlocked gates across the Easement at locations as such owner shall deem appropriate. If locks are installed on such gates, the owner of the Benefited Property shall be provided with the key or combination to the lock. All persons using the Easement shall immediately close such gates after passing through. No other obstructions shall be placed upon the Easement by the owner of the Benefited Property.
- 2.6 If an owner of the Benefited Property or persons using the Easement by authority of such owner shall fail to close any gate maintained on the Easement as provided in Section 2.5 hereof, or if they shall trespass on the Burdened Property outside of the boundaries of the Easement, or if they shall otherwise fail to comply with the terms and conditions of the Easement, then the owner(s) of the Burdened Property may give written notice of such violation(s) to an officer of the HOA. If within one year after such notice has been given there are repeat violations for the same offense(s), the HOA shall be liable to the owner(s) of the Burdened Property for liquidated damages equal to \$100.00 per day for each day such a violation occurs. Assuming that one year passes without a repeat violation occurring, the Burdened Property owner will once again be

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required to give notice of violations prior to the HOA becoming liable for repeal violations. The parties agree that the Burdened Property owners' actual damages, in the event of any such violations, would be difficult or impracticable to determine, and the foregoing liquidated damages have been agreed upon as a reasonable estimate of the Burdened Property owners' damages in the event such violations occur.

- 2.7 In the event of any action or proceeding to enforce this Agreement, the Court shall award to the prevailing party all reasonable costs and expenses, including attorney fees.

ARTICLE 3.0 - WARRANTY

- 3.1 Webels make no warranties or representations, express or implied, as to the title, condition, or state of repair of the Easement, including without limitation any warranties of merchantability, habitability or fitness for a particular purpose. The Easement is conveyed subject to all liens, encumbrances and other title conditions of record or visible. HOA, on behalf of the owners of the Benefited Property, accepts the Easement "as is" and "with all faults".

ARTICLE 4.0 - LIABILITY INSURANCE

- 4.1 The HOA, on behalf of the Benefited Property owners, shall maintain a general liability insurance policy covering the use of the Easement by its members. The policy shall provide a minimum of \$1,000,000.00 of coverage per occurrence, at a minimum, and shall name as an additional insured the owner(s) of the Burdened Property.
- 4.2 If at anytime the HOA fails to maintain general liability insurance coverage on the Easement, the rights of the Benefited Property owners hereunder shall be suspended until such time as insurance is reinstated.
- 4.3 It shall be incumbent on the HOA to provide proof of insurance to the Burdened Property owner annually. Failure to provide proof of insurance shall act as a suspension of the rights of the Benefited Property owners until such time as proof is provided to the Burdened Property owner

SIGNED THIS 26 DAY OF September, 2006.

HIMEBAUGH ESTATES OWNERS ASSOCIATION,
a Colorado nonprofit corporation

By: Max L. Webel
Max L. Webel, President

By: Georgia Noriyuki
Georgia Noriyuki, Vice President

By: Kathryn M. Webel
Kathryn M. Webel, Secretary

By: Janette Lundsford
Janette Lundsford, Treasurer
Janette Lundsford

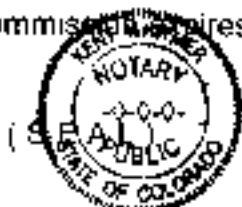
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STATE OF COLORADO)
) SS.
COUNTY OF GRAND)

The foregoing instrument was acknowledged before me this 26 day of
September, 2006, by Max L. Webel, as President, by Georgia
Noriyuki, as Vice President, by Kathryn M. Webel, as Secretary, and by ~~J~~anette
Lundsford, as Treasurer of Himebaugh Estates Owners Association, a Colorado
nonprofit corporation.

Witness my hand and official seal.

My Commission Expires: _____



Kent Whitman
Notary Public

**Exhibit A
(Webals' property)**

PARCEL A:

TOWNSHIP 1 NORTH, RANGE 78 WEST OF THE 6TH P.M.
Section 11: SE1/4NE1/4, NE1/4SE1/4 and that portion of the NE1/4NE1/4 lying
Southwesterly of County Road No. 55 (aka Cottonwood Pass Road),

County of Grand,
State of Colorado.

PARCEL B:

That portion of IDEAL PARK located in the SW1/4SW1/4 of Section 12, and the
NW1/4NW1/4 of Section 13, in Township 1 North, Range 78 West of the 6th P.M.,
LESS AND EXCEPT the platted and dedicated streets and avenues shown on
the plat of said IDEAL PARK

County of Grand,
State of Colorado.

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Exhibit B-1
(Easement Description No. 1—Himebaugh Road)

A 20 FOOT INGRESS/EGRESS EASEMENT, 10 FEET EACH SIDE OF THE CENTERLINE OF THE EXISTING HIMEBAUGH ROAD, BEING IN THE NE1/4 AND THE SE1/4 OF SECTION 11, TOWNSHIP 1 NORTH, RANGE 78 WEST AND THE SW1/4 OF SECTION 12, TOWNSHIP 1 NORTH AND THE NW1/4 OF SECTION 13 TOWNSHIP 1 NORTH, RANGE 78 WEST OF THE 6TH PRINCIPAL MERIDIAN, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:
BEGINNING AT A POINT ON THE SECTION LINE OF SAID SECTION 2 AND 11 WHERE IT INTERSECTS THE CENTERLINE OF THE EXISTING HIMEBAUGH ROAD AND THE NORTHEAST CORNER OF SAID SECTION 12 BEARS N 89°55'05" E FOR A DISTANCE OF 1291.50'; THENCE S 20°40'28" E A DISTANCE OF 113.30' TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE RIGHT WITH AN ARC LENGTH OF 70.15', WITH A RADIUS OF 104.43', TO A POINT ON THE CENTERLINE; THENCE S 12°07'48" E A DISTANCE OF 153.62' TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE LEFT WITH AN ARC LENGTH OF 162.13', WITH A RADIUS OF 188.86', TO A POINT ON THE CENTERLINE; THENCE S 50°14'07" E A DISTANCE OF 360.57' TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE RIGHT WITH AN ARC LENGTH OF 47.01', WITH A RADIUS OF 43.71', TO A POINT ON THE CENTERLINE; THENCE S 11°54'55" E A DISTANCE OF 668.40' TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE RIGHT WITH AN ARC LENGTH OF 86.52', WITH A RADIUS OF 417.72', TO A POINT ON THE CENTERLINE; THENCE S 02°50'12" W A DISTANCE OF 444.54' TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE LEFT WITH AN ARC LENGTH OF 294.85', WITH A RADIUS OF 456.66', TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE RIGHT WITH AN ARC LENGTH OF 113.02', WITH A RADIUS OF 202.50', TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE LEFT WITH AN ARC LENGTH OF 322.31', WITH A RADIUS OF 457.95', TO A POINT ON THE CENTERLINE; THENCE S 37°39'56" E A DISTANCE OF 144.01' TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE LEFT WITH AN ARC LENGTH OF 121.11', WITH A RADIUS OF 196.09', TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE RIGHT WITH AN ARC LENGTH OF 76.56', WITH A RADIUS OF 111.93', TO A POINT ON THE CENTERLINE; THENCE S 41°14'09" E A DISTANCE OF 213.43' TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE LEFT WITH AN ARC LENGTH OF 49.87', WITH A RADIUS OF 164.91', TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE RIGHT WITH AN ARC LENGTH OF 29.73', WITH A RADIUS OF 20.54', TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE LEFT WITH AN ARC LENGTH OF 56.01', WITH A RADIUS OF 60.60', TO A POINT ON THE CENTERLINE; THENCE S 24°31'40" E A DISTANCE OF 113.22' TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE LEFT WITH AN ARC LENGTH OF 77.78', WITH A RADIUS OF 47.73', TO A POINT ON THE CENTERLINE; THENCE S 57°09'18" E A DISTANCE OF 94.03' TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE RIGHT WITH AN ARC LENGTH OF 56.76', WITH A RADIUS OF 39.17', TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE LEFT WITH AN ARC LENGTH OF 121.09', WITH A RADIUS OF 169.42', TO A POINT ON THE CENTERLINE; THENCE S 21°23'08" E A DISTANCE OF 110.42' TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE LEFT WITH AN ARC LENGTH OF 56.48', WITH A RADIUS OF 74.16', TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE RIGHT WITH AN ARC LENGTH OF 106.16', WITH A RADIUS OF 215.37', TO A POINT ON THE CENTERLINE; THENCE S 33°30'40" E A DISTANCE OF 266.26' TO A POINT ON THE CENTERLINE; THENCE S 16°11'21" E A DISTANCE OF 147.36' TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE LEFT WITH AN ARC LENGTH OF 146.11', WITH A RADIUS OF 218.46', TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE RIGHT WITH AN ARC LENGTH OF 162.10', WITH A RADIUS OF 103.09', TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE LEFT WITH AN ARC LENGTH OF 253.31', WITH A RADIUS OF 253.54', TO A POINT ON THE CENTERLINE; THENCE S 17°39'20" E A DISTANCE OF 464.90' TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE LEFT WITH AN ARC LENGTH OF 141.36', WITH A RADIUS OF 225.22', TO A POINT ON THE CENTERLINE; THENCE S 44°16'17" E A DISTANCE OF 611.70' TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE LEFT WITH AN ARC LENGTH OF 114.96', WITH A RADIUS OF

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2026-010107 09/26/2006 02:46P EAS SARA L ROSENE
7 of 10 R 51.00 D 0.00 GRAND COUNTY CLERK

442.52', TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE RIGHT WITH AN ARC LENGTH OF 60.85', WITH A RADIUS OF 36.73', TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE RIGHT WITH AN ARC LENGTH OF 156.65', WITH A RADIUS OF 136.45', TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE LEFT WITH AN ARC LENGTH OF 213.35', WITH A RADIUS OF 202.84', TO A POINT ON THE CENTERLINE; THENCE S 28°25'23" W A DISTANCE OF 317.24' TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE RIGHT WITH AN ARC LENGTH OF 129.37', WITH A RADIUS OF 140.60', TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE LEFT WITH AN ARC LENGTH OF 81.46', WITH A RADIUS OF 78.67', TO A POINT ON THE CENTERLINE; THENCE S 37°13'09" W A DISTANCE OF 123.42'; THENCE WITH A CURVE TURNING TO THE RIGHT WITH AN ARC LENGTH OF 25.01', WITH A RADIUS OF 155.09', TO A POINT ON THE CENTERLINE; THENCE S 65°09'34" W A DISTANCE OF 137.14' TO A POINT ON THE CENTERLINE; THENCE WITH A CURVE TURNING TO THE LEFT WITH AN ARC LENGTH OF 206.13', WITH A RADIUS OF 179.66', TO A POINT OF INTERSECTION WITH THE SOUTHERLY LINE OF THE NW1/4NW1/4 OF SAID SECTION 13, TOWNSHIP 1 NORTH RANGE 78 WEST OF THE 6TH P.M.

NOTE: GRANTR DOES NOT WARRANT ACCESS TO ANY PORTION OF THE ABOVE DESCRIBED EASEMENT WHICH CROSSES LAND NOT OWNED BY GRANTOR.



THE BODY OF THIS DOCUMENT AND OR PAGE IS A PHOTOCOPY OF THE ORIGINAL. PRINT HOWEVER, THE SIGNATURES ON THIS DOCUMENT, SEE ORIGINAL QUALITY OF REPRODUCTION OF THIS DOCUMENT WILL NOT BE THE FAULT OF THIS OFFICE

2006-010187 03/26/2006 02:46P ERS SARA L ROSENE
 8 of 10 R 51.00 D 0.00 GRAND COUNTY CLERK

**Exhibit B-2
(Easement Description No. 2—Himebaugh Subdivision Connector)**

The North 20 feet of the NE 1/4NE 1/4, Section 11, Township 1 North, Range 78 West of the 6th P.M., lying West of Himebaugh Road, as described in Exhibit B-1 herein.

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**Exhibit C
(Benefited Property)**

All lots in HIMEBAUGH'S FIRST ADDITION TO HOT SULPHUR SPRINGS,
located in the NW1/4NE1/4, Section 11, Township 1 North, Range 78 West of the
6th P.M.

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Phase I Environmental Site Assessment
Himebaugh Property
Hot Sulphur Springs, CO 80451
December 4, 2020

Appendix E

Environmental Data Resources (EDR) Report

Himebaugh Property

Hot Sulphur Springs

Hot Sulphur Springs, CO 80451

Inquiry Number: 6263030.2s

November 11, 2020

The EDR Radius Map™ Report with GeoCheck®



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

HOT SULPHUR SPRINGS
HOT SULPHUR SPRINGS, CO 80451

COORDINATES

Latitude (North): 40.0698300 - 40° 4' 11.38"
Longitude (West): 106.0892690 - 106° 5' 21.36"
Universal Transverse Mercator: Zone 13
UTM X (Meters): 407111.7
UTM Y (Meters): 4435866.0
Elevation: 7924 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5955517 HOT SULPHUR SPRINGS, CO
Version Date: 2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20150909, 20150910
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
HOT SULPHUR SPRINGS
HOT SULPHUR SPRINGS, CO 80451

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
--------	-----------	---------	-------------------	--------------------	----------------------------

NO MAPPED SITES FOUND

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators
RCRA-SQG..... RCRA - Small Quantity Generators
RCRA-VSQG..... RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

EXECUTIVE SUMMARY

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

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

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

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

SWF/LF..... Solid Waste Sites & Facilities

State and tribal leaking storage tank lists

LUST..... Leaking Underground Storage Tank List
LAST..... Leaking Aboveground Storage Tank Listing
LTANKS..... Petroleum Release Events Listing
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land
LUST TRUST..... RAP Site Listing

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
UST..... Underground Storage Tank Database
AST..... Aboveground Tank List
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

AUL..... Environmental Covenants and Environmental Use Restrictions List

State and tribal voluntary cleanup sites

VCP..... Voluntary Cleanup & Redevelopment Act Application Tracking Report
INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Sites Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Registered Recyclers Listing
HIST LF..... Historical Landfill List

EXECUTIVE SUMMARY

INDIAN ODI.....	Report on the Status of Open Dumps on Indian Lands
ODI.....	Open Dump Inventory
DEBRIS REGION 9.....	Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS.....	Open Dumps on Indian Land
DENVER CO HISTORIC FILL.....	Denver City & County Historic Fill Areas

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL.....	Delisted National Clandestine Laboratory Register
CDL.....	Meth Lab Locations
US CDL.....	National Clandestine Laboratory Register

Local Land Records

LIENS 2.....	CERCLA Lien Information
--------------	-------------------------

Records of Emergency Release Reports

HMIRS.....	Hazardous Materials Information Reporting System
SPILLS.....	Spills Database
SPILLS 90.....	SPILLS 90 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR.....	RCRA - Non Generators / No Longer Regulated
FUDS.....	Formerly Used Defense Sites
DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US AIRS.....	Aerometric Information Retrieval System Facility Subsystem

EXECUTIVE SUMMARY

US MINES.....	Mines Master Index File
ABANDONED MINES.....	Abandoned Mines
FINDS.....	Facility Index System/Facility Registry System
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
ECHO.....	Enforcement & Compliance History Information
FUELS PROGRAM.....	EPA Fuels Program Registered Listing
AIRS.....	Permitted Facility & Emissions Listing
ASBESTOS.....	Asbestos Abatement & Demolition Projects
METHANE SITE.....	Methane Site Investigations - Jefferson County 1980
Methane Investigation.....	Methane Gas & Swamp Findings
DRYCLEANERS.....	Drycleaner Facilities
Financial Assurance.....	Financial Assurance Information Listing
LEAD.....	LEAD
MINES.....	Permitted Mines Listing
NPDES.....	Permitted Facility Listing
UIC.....	Underground Injection Control
UMTRA.....	Uranium Mill Tailings Sites
MINES MRDS.....	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP.....	EDR Proprietary Manufactured Gas Plants
EDR Hist Auto.....	EDR Exclusive Historical Auto Stations
EDR Hist Cleaner.....	EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF.....	Recovered Government Archive Solid Waste Facilities List
RGA LUST.....	Recovered Government Archive Leaking Underground Storage Tank

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. Count: 1 records.

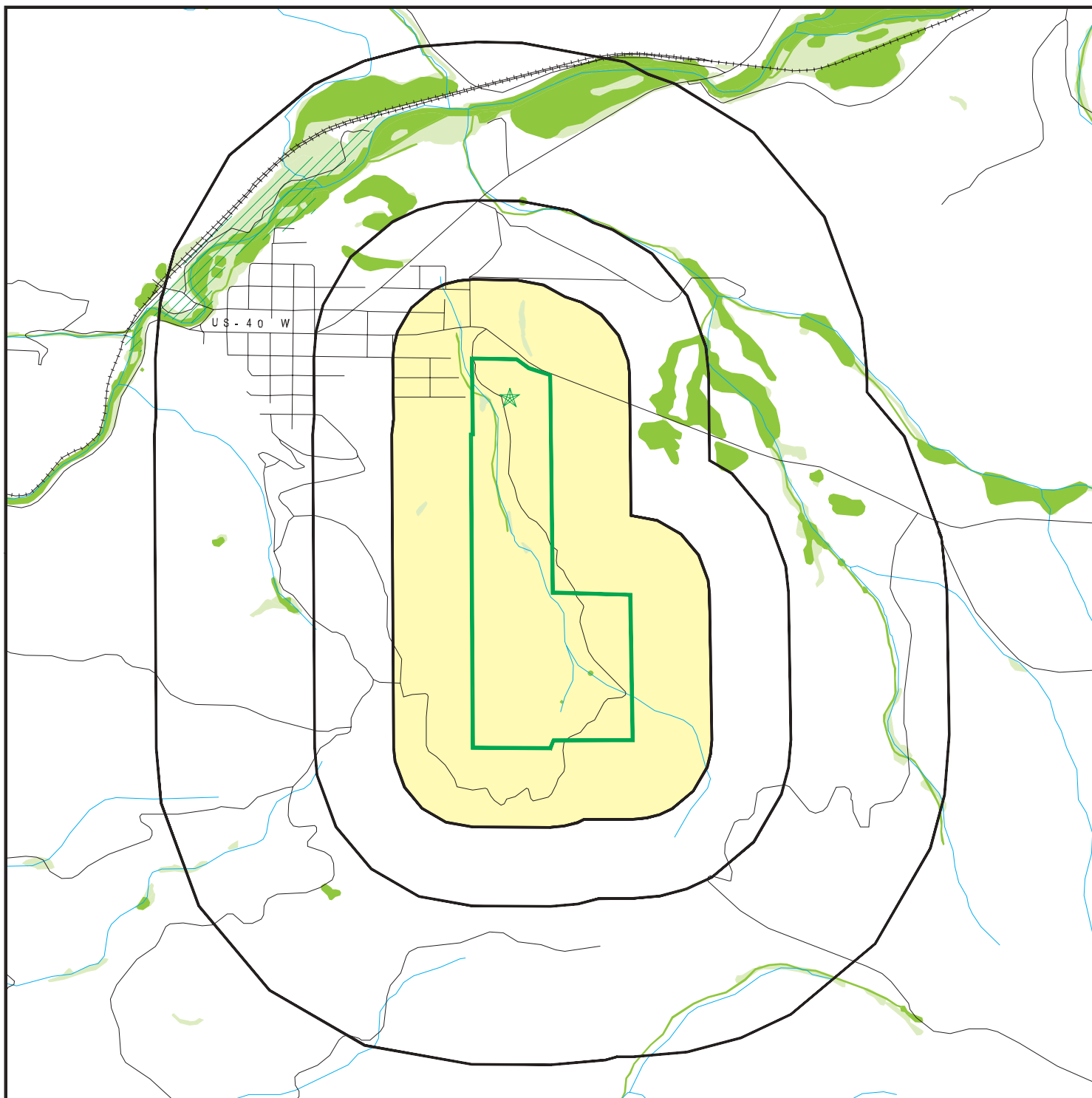
Site Name

Database(s)


BI-RITE


LTANKS

OVERVIEW MAP - 6263030.2S



 Target Property

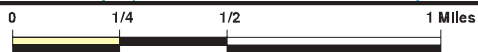
 Sites at elevations higher than or equal to the target property

 Sites at elevations lower than the target property

 Manufactured Gas Plants

 National Priority List Sites

 Dept. Defense Sites



 Indian Reservations BIA

 Special Flood Hazard Area (1%)

 0.2% Annual Chance Flood Hazard

 National Wetland Inventory

 State Wetlands

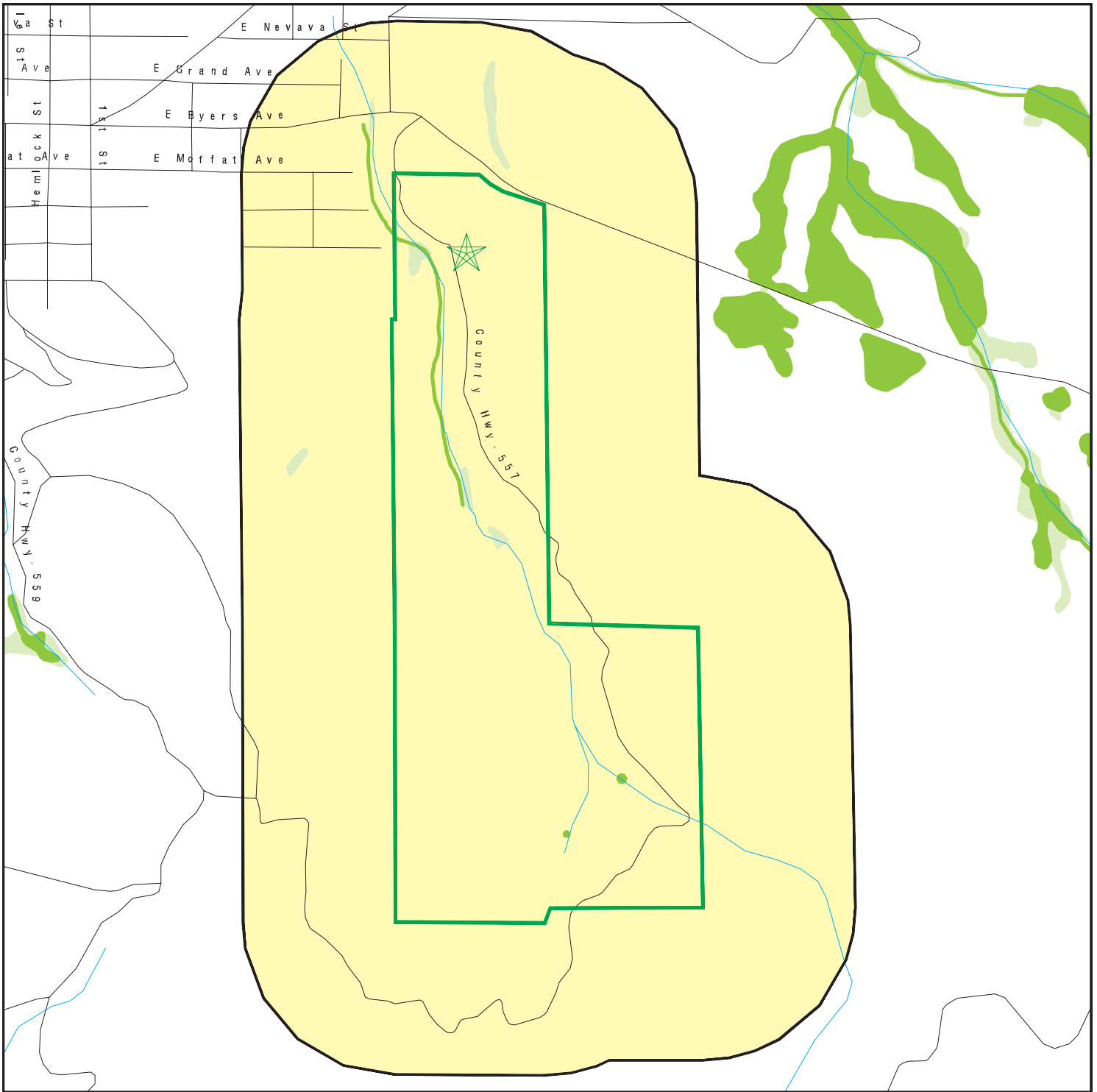









This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.






SITE NAME: Himebaugh Property
 ADDRESS: Hot Sulphur Springs
 Hot Sulphur Springs CO 80451
 LAT/LONG: 40.06983 / 106.089269

CLIENT: GEI Consultants, Inc.
 CONTACT: Thomas Daigle
 INQUIRY #: 6263030.2s
 DATE: November 11, 2020 1:44 pm

DETAIL MAP - 6263030.2S



-  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
-  Special Flood Hazard Area (1%)
-  0.2% Annual Chance Flood Hazard
-  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: Himebaugh Property
 ADDRESS: Hot Sulphur Springs
 Hot Sulphur Springs CO 80451
 LAT/LONG: 40.06983 / 106.089269

CLIENT: GEI Consultants, Inc.
 CONTACT: Thomas Daigle
 INQUIRY #: 6263030.2s
 DATE: November 11, 2020 1:47 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	0.001		0	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	N/A		N/A	N/A	N/A	N/A	N/A	N/A
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500		0	0	0	NR	NR	0
LAST	0.500		0	0	0	NR	NR	0
LTANKS	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LUST TRUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
AUL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
DENVER CO HISTORIC FILL	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
SPILLS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
METHANE SITE	0.001		0	NR	NR	NR	NR	0
Methane Investigation	0.001		0	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
LEAD	0.001		0	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
---------	-------	--	---	---	---	---	----	---

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		0	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
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

NO SITES FOUND

Count: 1 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
HOT SULPHUR SPRINGS	S125421704	BI-RITE	116 BYERS AVE	80451	LTANKS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 07/29/2020	Source: EPA
Date Data Arrived at EDR: 08/03/2020	Telephone: N/A
Date Made Active in Reports: 08/25/2020	Last EDR Contact: 11/05/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/11/2021
	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: 07/29/2020	Source: EPA
Date Data Arrived at EDR: 08/03/2020	Telephone: N/A
Date Made Active in Reports: 08/25/2020	Last EDR Contact: 11/05/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/11/2021
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: N/A
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 04/03/2019
Date Data Arrived at EDR: 04/05/2019
Date Made Active in Reports: 05/14/2019
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list 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). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS 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 the 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. The 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 potential NPL site.

Date of Government Version: 07/29/2020	Source: EPA
Date Data Arrived at EDR: 08/03/2020	Telephone: 800-424-9346
Date Made Active in Reports: 08/25/2020	Last EDR Contact: 11/05/2020
Number of Days to Update: 22	Next Scheduled EDR Contact: 01/25/2021
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 06/15/2020	Source: EPA
Date Data Arrived at EDR: 06/22/2020	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 87	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: 303-312-6149
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: 303-312-6149
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: 303-312-6149
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: 303-312-6149
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

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: 05/15/2020	Source: Department of the Navy
Date Data Arrived at EDR: 05/19/2020	Telephone: 843-820-7326
Date Made Active in Reports: 06/18/2020	Last EDR Contact: 11/05/2020
Number of Days to Update: 30	Next Scheduled EDR Contact: 02/22/2021
	Data Release Frequency: Varies

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: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 11/05/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 12/07/2020
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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: 02/13/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/20/2020	Telephone: 703-603-0695
Date Made Active in Reports: 05/15/2020	Last EDR Contact: 11/05/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 12/07/2020
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 06/15/2020

Date Data Arrived at EDR: 06/22/2020

Date Made Active in Reports: 09/17/2020

Number of Days to Update: 87

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 09/22/2020

Next Scheduled EDR Contact: 01/04/2021

Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

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

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

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: Department of Public Health & Environment

Telephone: 303-692-3300

Last EDR Contact: 08/14/2020

Next Scheduled EDR Contact: 11/23/2020

Data Release Frequency: N/A

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

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: 10/30/2020

Date Data Arrived at EDR: 11/03/2020

Date Made Active in Reports: 11/09/2020

Number of Days to Update: 6

Source: Department of Public Health & Environment

Telephone: 303-692-3300

Last EDR Contact: 11/02/2020

Next Scheduled EDR Contact: 02/15/2021

Data Release Frequency: Varies

State and tribal leaking storage tank lists

LUST: Leaking Underground Storage Tank List

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

Date of Government Version: 03/01/2018

Date Data Arrived at EDR: 03/07/2018

Date Made Active in Reports: 04/03/2018

Number of Days to Update: 27

Source: Department of Labor and Employment, Oil Inspection Section

Telephone: 303-318-8521

Last EDR Contact: 03/07/2018

Next Scheduled EDR Contact: 06/18/2018

Data Release Frequency: Quarterly

LTANKS: Petroleum Release Events Listing

Active and Closed OPS Petroleum Release Events in Colorado. Includes the OPS Open Event locations, but also shows locations of closed events (releases that have been issued a No Further Action determination).

Date of Government Version: 06/01/2020

Date Data Arrived at EDR: 06/03/2020

Date Made Active in Reports: 08/18/2020

Number of Days to Update: 76

Source: Department of Labor & Employment

Telephone: 303-318-8525

Last EDR Contact: 08/31/2020

Next Scheduled EDR Contact: 12/14/2020

Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LAST: Leaking Aboveground Storage Tank Listing

A listing of leaking aboveground storage tank sites. This list is no longer maintained. For current Leaking AST information, please see LTANKS.

Date of Government Version: 03/01/2018	Source: Department of Labor & Employment
Date Data Arrived at EDR: 03/07/2018	Telephone: 303-318-8525
Date Made Active in Reports: 04/03/2018	Last EDR Contact: 05/31/2018
Number of Days to Update: 27	Next Scheduled EDR Contact: 09/10/2018
	Data Release Frequency: No Update Planned

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020	Source: EPA Region 10
Date Data Arrived at EDR: 05/20/2020	Telephone: 206-553-2857
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

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: 04/29/2020	Source: EPA Region 1
Date Data Arrived at EDR: 05/20/2020	Telephone: 617-918-1313
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020	Source: EPA Region 4
Date Data Arrived at EDR: 05/26/2020	Telephone: 404-562-8677
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/14/2020	Source: EPA, Region 5
Date Data Arrived at EDR: 05/20/2020	Telephone: 312-886-7439
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	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: 04/08/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/20/2020	Telephone: 415-972-3372
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

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: 04/14/2020	Source: EPA Region 8
Date Data Arrived at EDR: 05/20/2020	Telephone: 303-312-6271
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Date of Government Version: 04/15/2020	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2020	Telephone: 913-551-7003
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	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: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-6597
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

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: 07/19/2020	Source: Department of Labor and Employment, Oil Inspection Section
Date Data Arrived at EDR: 07/20/2020	Telephone: 303-318-8521
Date Made Active in Reports: 10/05/2020	Last EDR Contact: 09/16/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 02/01/2020	Source: FEMA
Date Data Arrived at EDR: 03/19/2020	Telephone: 202-646-5797
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 10/01/2020
Number of Days to Update: 82	Next Scheduled EDR Contact: 01/18/2021
	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: 06/01/2020	Source: Department of Labor and Employment, Oil Inspection Section
Date Data Arrived at EDR: 06/02/2020	Telephone: 303-318-8521
Date Made Active in Reports: 07/30/2020	Last EDR Contact: 08/31/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 12/14/2020
	Data Release Frequency: Quarterly

AST: Aboveground Tank List

Aboveground storage tank locations.

Date of Government Version: 06/01/2020	Source: Department of Labor and Employment, Oil Inspection Section
Date Data Arrived at EDR: 06/02/2020	Telephone: 303-318-8521
Date Made Active in Reports: 07/30/2020	Last EDR Contact: 08/31/2020
Number of Days to Update: 58	Next Scheduled EDR Contact: 12/14/2020
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020	Source: EPA Region 10
Date Data Arrived at EDR: 05/20/2020	Telephone: 206-553-2857
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020	Source: EPA Region 8
Date Data Arrived at EDR: 05/20/2020	Telephone: 303-312-6137
Date Made Active in Reports: 08/13/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/29/2020	Source: EPA, Region 1
Date Data Arrived at EDR: 05/20/2020	Telephone: 617-918-1313
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020	Source: EPA Region 4
Date Data Arrived at EDR: 05/26/2020	Telephone: 404-562-9424
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 78	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2020	Source: EPA Region 5
Date Data Arrived at EDR: 05/20/2020	Telephone: 312-886-6136
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/08/2020	Source: EPA Region 9
Date Data Arrived at EDR: 05/20/2020	Telephone: 415-972-3368
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/03/2020	Source: EPA Region 7
Date Data Arrived at EDR: 05/20/2020	Telephone: 913-551-7003
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-7591
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 10/23/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 02/01/2021
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

AUL: Environmental Real Covenants List

Senate Bill 01-145 gave authority to 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 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: 07/21/2020	Source: Department of Public Health & Environment
Date Data Arrived at EDR: 07/22/2020	Telephone: 303-692-3331
Date Made Active in Reports: 10/05/2020	Last EDR Contact: 10/20/2020
Number of Days to Update: 75	Next Scheduled EDR Contact: 02/08/2021
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

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: 12/04/2019	Source: Department of Public Health and Environmental
Date Data Arrived at EDR: 01/07/2020	Telephone: 303-692-3331
Date Made Active in Reports: 03/16/2020	Last EDR Contact: 10/09/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 01/18/2021
	Data Release Frequency: Semi-Annually

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 09/16/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites Listing
Brownfields Sites Listing

Date of Government Version: 04/09/2020
Date Data Arrived at EDR: 04/10/2020
Date Made Active in Reports: 07/01/2020
Number of Days to Update: 82

Source: Department of Public Health & Environment
Telephone: 303-692-3331
Last EDR Contact: 10/05/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 06/01/2020
Date Data Arrived at EDR: 06/02/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 09/15/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Registered Recyclers Listing

A listing of registered recycler locations in the state of Colorado.

Date of Government Version: 06/03/2020
Date Data Arrived at EDR: 06/04/2020
Date Made Active in Reports: 08/14/2020
Number of Days to Update: 71

Source: Department of Public Health & Environment
Telephone: 303-692-3337
Last EDR Contact: 09/01/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Semi-Annually

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

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 10/20/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 10/13/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: No Update Planned

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

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Services, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 10/30/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

DENVER CO HISTORIC FILL: Denver City & County Historic Fill Areas

This dataset denotes the approximate locations of historical fill areas within the City and County of Denver (CCoD) and with within approximately three-quarters of a mile of the CCoD boundaries. The data is of a general nature and obtained from historic and current documents that may not be accurate or precise.

Date of Government Version: 12/17/2019
Date Data Arrived at EDR: 01/07/2020
Date Made Active in Reports: 03/13/2020
Number of Days to Update: 66

Source: City & County of Denver
Telephone: 720-913-5237
Last EDR Contact: 10/09/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: No Update Planned

CDL: Meth Lab Locations

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/20/2020
Date Data Arrived at EDR: 07/09/2020
Date Made Active in Reports: 07/20/2020
Number of Days to Update: 11

Source: Department of Public Health and Environment
Telephone: 303-692-3023
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

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

Date of Government Version: 03/18/2020
Date Data Arrived at EDR: 03/19/2020
Date Made Active in Reports: 06/09/2020
Number of Days to Update: 82

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 08/19/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

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

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/23/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 86

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

SPILLS 2: Spills

A listing of spills reported to the Oil & Gas Conservation Commission

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/08/2020
Number of Days to Update: 78

Source: Oil & Gas Conservation Commission
Telephone: 303-894-2100
Last EDR Contact: 09/21/2020
Next Scheduled EDR Contact: 01/03/2021
Data Release Frequency: Quarterly

CO ERNS: Spills Database

State reported spills.

Date of Government Version: 06/20/2020
Date Data Arrived at EDR: 07/09/2020
Date Made Active in Reports: 07/20/2020
Number of Days to Update: 11

Source: Department of Public Health and Environmental
Telephone: 303-692-2000
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 10/15/2012	Source: FirstSearch
Date Data Arrived at EDR: 01/03/2013	Telephone: N/A
Date Made Active in Reports: 02/06/2013	Last EDR Contact: 01/03/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 06/15/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/22/2020	Telephone: 303-312-6149
Date Made Active in Reports: 09/18/2020	Last EDR Contact: 09/22/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/04/2021
	Data Release Frequency: Quarterly

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: 08/05/2020	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 08/13/2020	Telephone: 202-528-4285
Date Made Active in Reports: 10/21/2020	Last EDR Contact: 08/13/2020
Number of Days to Update: 69	Next Scheduled EDR Contact: 11/30/2020
	Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 10/13/2020
Number of Days to Update: 62	Next Scheduled EDR Contact: 01/25/2021
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 10/08/2020
Number of Days to Update: 574	Next Scheduled EDR Contact: 01/18/2021
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 11/09/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 06/15/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/02/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 11/06/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

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: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 09/18/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: Every 4 Years

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 08/14/2020
Date Made Active in Reports: 11/04/2020
Number of Days to Update: 82

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 08/14/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Annually

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: 07/20/2020
Date Data Arrived at EDR: 07/21/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 79

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 10/19/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Annually

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: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 07/24/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 10/21/2020
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 10/14/2020
Next Scheduled EDR Contact: 02/01/2021
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 04/27/2020	Source: EPA
Date Data Arrived at EDR: 05/06/2020	Telephone: 202-564-6023
Date Made Active in Reports: 06/09/2020	Last EDR Contact: 11/05/2020
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/15/2021
	Data Release Frequency: Quarterly

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: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 10/02/2020
Number of Days to Update: 70	Next Scheduled EDR Contact: 01/18/2021
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 10/01/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 01/18/2021
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 04/09/2009	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

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

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 08/18/2017
Number of Days to Update: 25	Next Scheduled EDR Contact: 12/04/2017
	Data Release Frequency: No Update Planned

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: 08/05/2020	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 08/10/2020	Telephone: 301-415-7169
Date Made Active in Reports: 10/08/2020	Last EDR Contact: 10/13/2020
Number of Days to Update: 59	Next Scheduled EDR Contact: 01/31/2021
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2018	Source: Department of Energy
Date Data Arrived at EDR: 12/04/2019	Telephone: 202-586-8719
Date Made Active in Reports: 01/15/2020	Last EDR Contact: 09/04/2020
Number of Days to Update: 42	Next Scheduled EDR Contact: 12/14/2020
	Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: N/A
Date Made Active in Reports: 11/11/2019	Last EDR Contact: 08/31/2020
Number of Days to Update: 251	Next Scheduled EDR Contact: 12/14/2020
	Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 09/13/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/06/2019	Telephone: 202-566-0517
Date Made Active in Reports: 02/10/2020	Last EDR Contact: 11/06/2021
Number of Days to Update: 96	Next Scheduled EDR Contact: 02/15/2021
	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: 07/01/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/01/2019	Telephone: 202-343-9775
Date Made Active in Reports: 09/23/2019	Last EDR Contact: 09/24/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 01/11/2021
	Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

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

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 10/27/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

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: 06/30/2020
Date Data Arrived at EDR: 07/15/2020
Date Made Active in Reports: 07/21/2020
Number of Days to Update: 6

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 10/01/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Varies

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: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 09/22/2020
Next Scheduled EDR Contact: 01/04/2021
Data Release Frequency: Biennially

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: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/06/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 08/08/2017
Date Data Arrived at EDR: 09/11/2018
Date Made Active in Reports: 09/14/2018
Number of Days to Update: 3

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 11/06/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 08/21/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 07/29/2020
Date Data Arrived at EDR: 08/03/2020
Date Made Active in Reports: 08/25/2020
Number of Days to Update: 22

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

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

Date of Government Version: 05/01/2020
Date Data Arrived at EDR: 05/21/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 84

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/28/2020
Date Data Arrived at EDR: 05/28/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 77

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 09/10/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/28/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 08/28/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 06/22/2020
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 80

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 09/16/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 02/03/2020
Date Data Arrived at EDR: 03/03/2020
Date Made Active in Reports: 05/28/2020
Number of Days to Update: 86

Source: EPA
Telephone: (303) 312-6312
Last EDR Contact: 09/15/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 07/02/2020
Date Made Active in Reports: 09/17/2020
Number of Days to Update: 77

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 10/08/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/31/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/26/2018	Telephone: 202-564-0527
Date Made Active in Reports: 10/05/2018	Last EDR Contact: 08/19/2020
Number of Days to Update: 71	Next Scheduled EDR Contact: 12/07/2020
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 06/27/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 07/02/2020	Telephone: 202-564-2280
Date Made Active in Reports: 09/28/2020	Last EDR Contact: 10/06/2020
Number of Days to Update: 88	Next Scheduled EDR Contact: 01/18/2021
	Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/17/2020	Source: EPA
Date Data Arrived at EDR: 08/17/2020	Telephone: 800-385-6164
Date Made Active in Reports: 10/21/2020	Last EDR Contact: 08/17/2020
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/30/2020
	Data Release Frequency: Quarterly

AIRS: Permitted Facility & Emissions Listing

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

Date of Government Version: 05/29/2020	Source: Department of Public Health & Environment
Date Data Arrived at EDR: 05/29/2020	Telephone: 303-692-3213
Date Made Active in Reports: 08/18/2020	Last EDR Contact: 08/25/2020
Number of Days to Update: 81	Next Scheduled EDR Contact: 12/14/2020
	Data Release Frequency: Varies

ASBESTOS: Asbestos Abatement & Demolition Projects

Asbestos abatement and demolition projects by the contractor.

Date of Government Version: 11/06/2019	Source: Department of Public Health & Environment
Date Data Arrived at EDR: 01/09/2020	Telephone: 303-692-3100
Date Made Active in Reports: 03/16/2020	Last EDR Contact: 10/28/2020
Number of Days to Update: 67	Next Scheduled EDR Contact: 02/15/2021
	Data Release Frequency: Semi-Annually

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	Source: Jefferson County Health Department
Date Data Arrived at EDR: 02/13/1995	Telephone: 303-239-7175
Date Made Active in Reports: 04/04/1995	Last EDR Contact: 01/27/1995
Number of Days to Update: 50	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

DRYCLEANERS: Drycleaner Facilities

A listing of drycleaning facilities.

Date of Government Version: 05/29/2020
Date Data Arrived at EDR: 05/29/2020
Date Made Active in Reports: 08/12/2020
Number of Days to Update: 75

Source: Department of Public Health & Environment
Telephone: 303-692-3213
Last EDR Contact: 08/25/2020
Next Scheduled EDR Contact: 12/14/2020
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/08/2020
Date Made Active in Reports: 09/24/2020
Number of Days to Update: 78

Source: Department of Public Health & Environment
Telephone: 303-692-3350
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 06/30/2020
Date Data Arrived at EDR: 07/08/2020
Date Made Active in Reports: 09/24/2020
Number of Days to Update: 78

Source: Department of Public Health & Environment
Telephone: 303-392-3350
Last EDR Contact: 09/23/2020
Next Scheduled EDR Contact: 01/11/2021
Data Release Frequency: Quarterly

LEAD: Lead Abatement Permit Listing

Lead inspection

Date of Government Version: 11/07/2019
Date Data Arrived at EDR: 11/14/2019
Date Made Active in Reports: 01/21/2020
Number of Days to Update: 68

Source: Department of Public Health & Environment
Telephone: 303-692-2000
Last EDR Contact: 10/28/2020
Next Scheduled EDR Contact: 02/15/2021
Data Release Frequency: Varies

MINES: Permitted Mines Listing

This dataset represents permitted mines in the State of Colorado

Date of Government Version: 07/11/2020
Date Data Arrived at EDR: 07/13/2020
Date Made Active in Reports: 09/24/2020
Number of Days to Update: 73

Source: Division of Reclamation Mining and safety
Telephone: 303-866-3567
Last EDR Contact: 10/09/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Semi-Annually

NPDES: Permitted Facility Listing

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

Date of Government Version: 02/13/2020
Date Data Arrived at EDR: 04/28/2020
Date Made Active in Reports: 07/14/2020
Number of Days to Update: 77

Source: Department of Public Health & Environment
Telephone: 303-692-3611
Last EDR Contact: 10/27/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UIC: Underground Injection Control

A list of underground injection wells and their locations.

Date of Government Version: 04/27/2020
Date Data Arrived at EDR: 04/27/2020
Date Made Active in Reports: 05/01/2020
Number of Days to Update: 4

Source: Oil & Gas Conservation Commission
Telephone: 303-894-2100
Last EDR Contact: 11/05/2020
Next Scheduled EDR Contact: 02/22/2021
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: 08/11/2020
Next Scheduled EDR Contact: 11/30/2020
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 08/28/2020
Next Scheduled EDR Contact: 12/07/2020
Data Release Frequency: Varies

PCS ENF: Enforcement data

No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Varies

PCS INACTIVE: Listing of Inactive PCS Permits

An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

PCS: Permit Compliance System

PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 10/02/2020
Next Scheduled EDR Contact: 01/18/2021
Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

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

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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

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

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Public Health & Environment in Colorado.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/15/2014
Number of Days to Update: 198

Source: Department of Public Health & Environment
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Labor and Employment, Oil Inspection Section in Colorado.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/02/2014
Number of Days to Update: 185

Source: Department of Labor and Employment, Oil Inspection Section
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ADAMS COUNTY:

LF ADAMS: 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:

LF ARAPAHOE: 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.

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:

LF BOULDER: 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:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LF DENVER: Landfills in Denver County

Landfill sites in the city and county of Denver.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 06/23/2017
Date Made Active in Reports: 09/06/2017
Number of Days to Update: 75

Source: City and County of Denver
Telephone: 720-913-4839
Last EDR Contact: 09/18/2020
Next Scheduled EDR Contact: 12/28/2020
Data Release Frequency: No Update Planned

LF DENVER CO METHANE: Investigation of Methane Gas Hazards

The purpose of this study was to assess the actual and potential generation, migration, explosive and related problem associated with specified old landfills, and to identify existing and potential problems, suggested strategies to prevent, abate, and control such problems and recommend investigative and monitoring functions as may be deemed necessary. Eight sites determined to be priorities due to population density and potential hazards to population and property were selected by the Colorado Department of Health.

Date of Government Version: 01/01/1981
Date Data Arrived at EDR: 01/29/2013
Date Made Active in Reports: 03/08/2013
Number of Days to Update: 38

Source: City and County of Denver Department of Environmental Health
Telephone: 720-865-5522
Last EDR Contact: 01/15/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DOUGLAS COUNTY:

LF DOUGLAS: 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:

LF PUEBLO: 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:

LF TRI: 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.

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:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LF WELD: Solid Waste Facilities in Weld County
Solid Waste Facilities in Weld County.

Date of Government Version: 01/16/2018
Date Data Arrived at EDR: 02/09/2018
Date Made Active in Reports: 02/23/2018
Number of Days to Update: 14

Source: Weld County Department of Public Health
Telephone: 970-304-6415
Last EDR Contact: 11/06/2020
Next Scheduled EDR Contact: 02/15/2021
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: 08/10/2020
Date Data Arrived at EDR: 10/20/2020
Date Made Active in Reports: 11/02/2020
Number of Days to Update: 13

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/09/2020
Next Scheduled EDR Contact: 02/22/2021
Data Release Frequency: No Update Planned

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: 01/01/2019
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 72

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 10/30/2020
Next Scheduled EDR Contact: 02/08/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/07/2020
Next Scheduled EDR Contact: 01/25/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 09/02/2020
Next Scheduled EDR Contact: 12/21/2020
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

AHA Hospitals:

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

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

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

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

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Daycare Centers: Daycare Listing

Source: Department of Human Services

Telephone: 303-866-5958

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Riparian Vegetation Data

Source: Division of Wildlife

Telephone: 970-416-3360

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

HIMEBAUGH PROPERTY
HOT SULPHUR SPRINGS
HOT SULPHUR SPRINGS, CO 80451

TARGET PROPERTY COORDINATES

Latitude (North):	40.06983 - 40° 4' 11.39"
Longitude (West):	106.089269 - 106° 5' 21.37"
Universal Tranverse Mercator:	Zone 13
UTM X (Meters):	407111.7
UTM Y (Meters):	4435866.0
Elevation:	7924 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5955517 HOT SULPHUR SPRINGS, CO
Version Date:	2013

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).

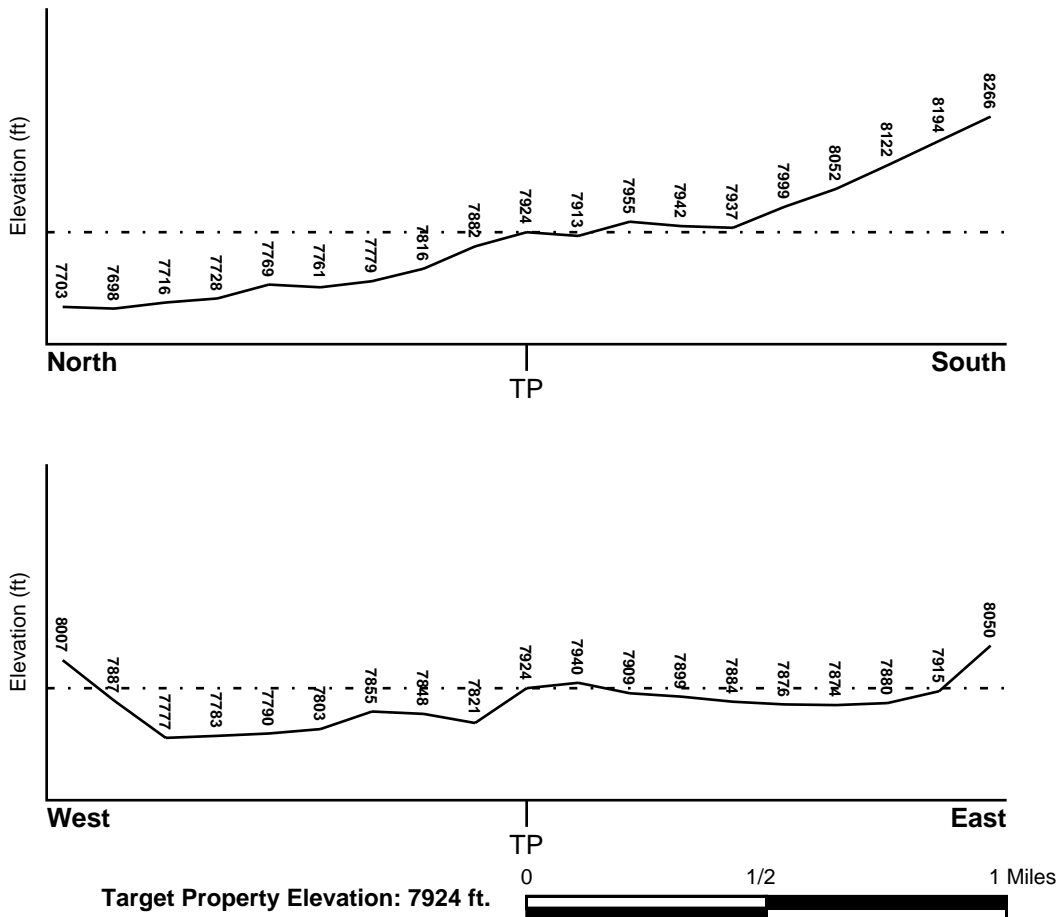
TOPOGRAPHIC INFORMATION

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 NNW

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>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
08049C0705C	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
Not Reported	

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u>	<u>NWI Electronic Data Coverage</u>
NOT AVAILABLE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

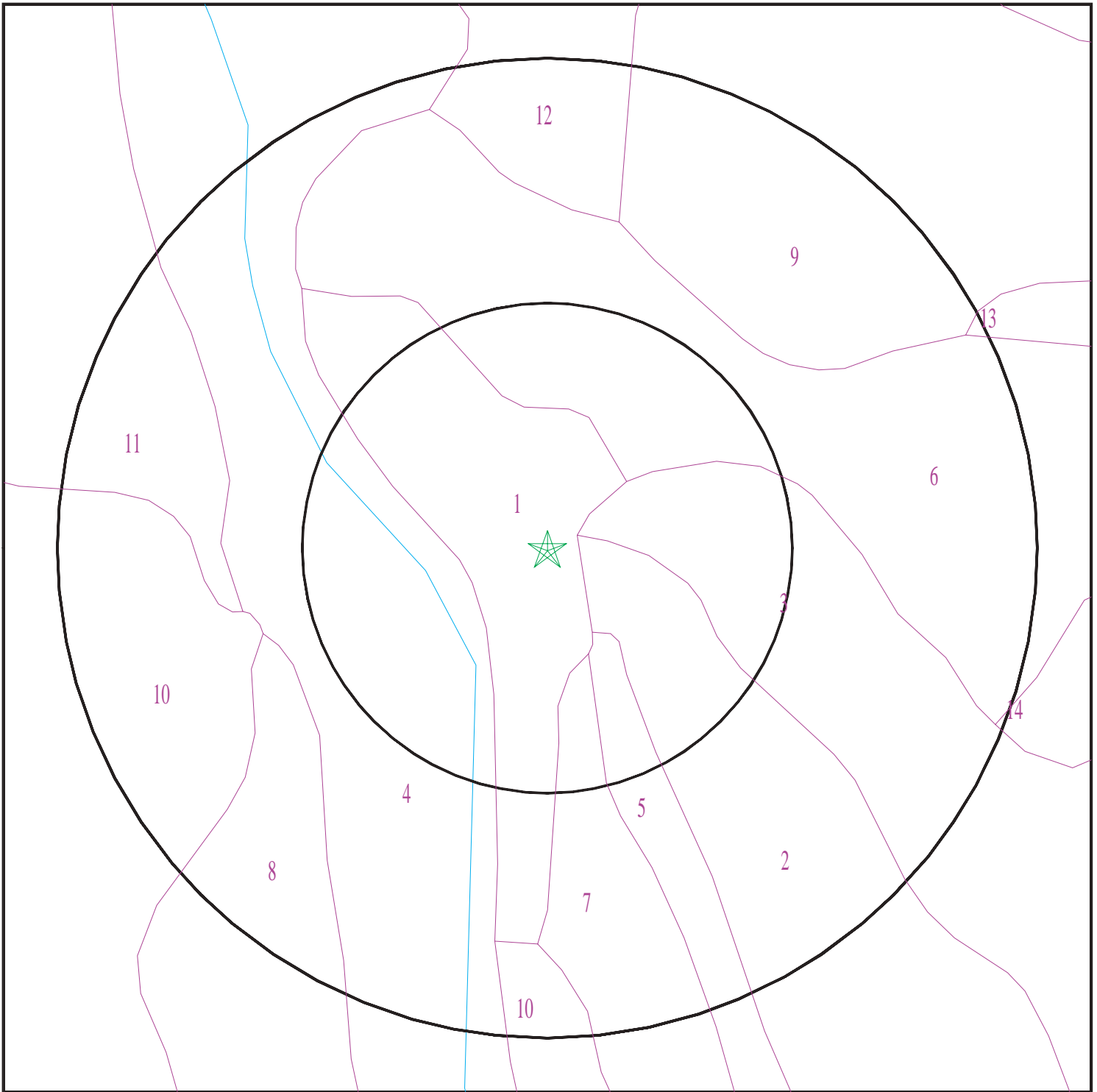
Era: Cenozoic
System: Tertiary
Series: Paleocene
Code: Txc (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

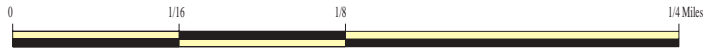
Category: Continental Deposits

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

SSURGO SOIL MAP - 6263030.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Himebaugh Property
ADDRESS: Hot Sulphur Springs
Hot Sulphur Springs CO 80451
LAT/LONG: 40.06983 / 106.089269

CLIENT: GEI Consultants, Inc.
CONTACT: Thomas Daigle
INQUIRY #: 6263030.2s
DATE: November 11, 2020 1:48 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

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. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Leavitt

Soil Surface Texture: loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	loam	Not reported	Not reported	Max: 4.23 Min: 1.41	Max: 9 Min: 7.9
2	9 inches	25 inches	clay loam	Not reported	Not reported	Max: 4.23 Min: 1.41	Max: 9 Min: 7.9
3	25 inches	59 inches	clay loam	Not reported	Not reported	Max: 4.23 Min: 1.41	Max: 9 Min: 7.9

Soil Map ID: 2

Soil Component Name: Quander

Soil Surface Texture: stony loam

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

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	stony loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14.11 Min: 4.23	Max: 7.8 Min: 6.1
2	9 inches	59 inches	very cobbly loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Clayey Gravel	Max: 14.11 Min: 4.23	Max: 7.8 Min: 6.1

Soil Map ID: 3

Soil Component Name: Mayoworth

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

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0 Min: 0	Max: Min:
2	9 inches	27 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0 Min: 0	Max: Min:
3	27 inches	31 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0 Min: 0	Max: Min:

Soil Map ID: 4

Soil Component Name: Binco

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	24 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 Soils.	Max: 1.41 Min: 0.42	Max: 8.4 Min: 7.9
2	24 inches	59 inches	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 Soils.	Max: 1.41 Min: 0.42	Max: 8.4 Min: 7.9

Soil Map ID: 5

Soil Component Name: Cryorthents

Soil Surface Texture: very channery 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

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	very channery loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: 14.11 Min: 0.42	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	3 inches	25 inches	extremely channery loam	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: 14.11 Min: 0.42	Max: Min:
3	25 inches	29 inches	weathered bedrock	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	Not reported	Max: 14.11 Min: 0.42	Max: Min:

Soil Map ID: 6

Soil Component Name: Cimarron

Soil Surface Texture: 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

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.41 Min: 0.42	Max: 7.8 Min: 6.1

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
2	9 inches	31 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 7.8 Min: 6.1
3	31 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 7.8 Min: 6.1

Soil Map ID: 7

Soil Component Name: Rock outcrop

Soil Surface Texture: unweathered bedrock

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class:
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	59 inches	unweathered bedrock	Not reported	Not reported	Max: Min:	Max: Min:

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Map ID: 8

Soil Component Name: Youga

Soil Surface Texture: loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14.11 Min: 4.23	Max: 7.8 Min: 6.1
2	14 inches	59 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 14.11 Min: 4.23	Max: 7.8 Min: 6.1

Soil Map ID: 9

Soil Component Name: Aaberg

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.41 Min: 0.42	Max: Min:
2	3 inches	22 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.41 Min: 0.42	Max: Min:
3	22 inches	25 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.41 Min: 0.42	Max: Min:

Soil Map ID: 10

Soil Component Name: Waybe

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0 Min: 0	Max: Min:
2	5 inches	16 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0 Min: 0	Max: Min:
3	16 inches	20 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 0 Min: 0	Max: Min:

Soil Map ID: 11

Soil Component Name: Leavitt

Soil Surface Texture: loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.23 Min: 1.41	Max: 9 Min: 7.9
2	9 inches	25 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.23 Min: 1.41	Max: 9 Min: 7.9
3	25 inches	59 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 4.23 Min: 1.41	Max: 9 Min: 7.9

Soil Map ID: 12

Soil Component Name: Cimarron

Soil Surface Texture: 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

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 7.8 Min: 6.1
2	9 inches	31 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 7.8 Min: 6.1
3	31 inches	59 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay Soils.	Max: 1.41 Min: 0.42	Max: 7.8 Min: 6.1

Soil Map ID: 13

Soil Component Name: Aaberg

Soil Surface Texture: clay loam

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.41 Min: 0.42	Max: Min:
2	3 inches	22 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.41 Min: 0.42	Max: Min:
3	22 inches	25 inches	weathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	Not reported	Max: 1.41 Min: 0.42	Max: Min:

Soil Map ID: 14

Soil Component Name: Cumulic Cryaquolls

Soil Surface Texture: variable

Hydrologic Group: Class D - Very slow infiltration rates. Soils are clayey, have a high water table, or are shallow to an impervious layer.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 46 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	20 inches	variable	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 42.34	Max: 7.8 Min: 6.6
2	20 inches	59 inches	extremely gravelly loamy sand	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	COARSE-GRAINED SOILS, Gravels, Gravels with fines, Silty Gravel	Max: 141.14 Min: 42.34	Max: 7.8 Min: 6.6

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>
31	USGS40000217282	1/2 - 1 Mile North

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
27	CO0225352	1/2 - 1 Mile WNW

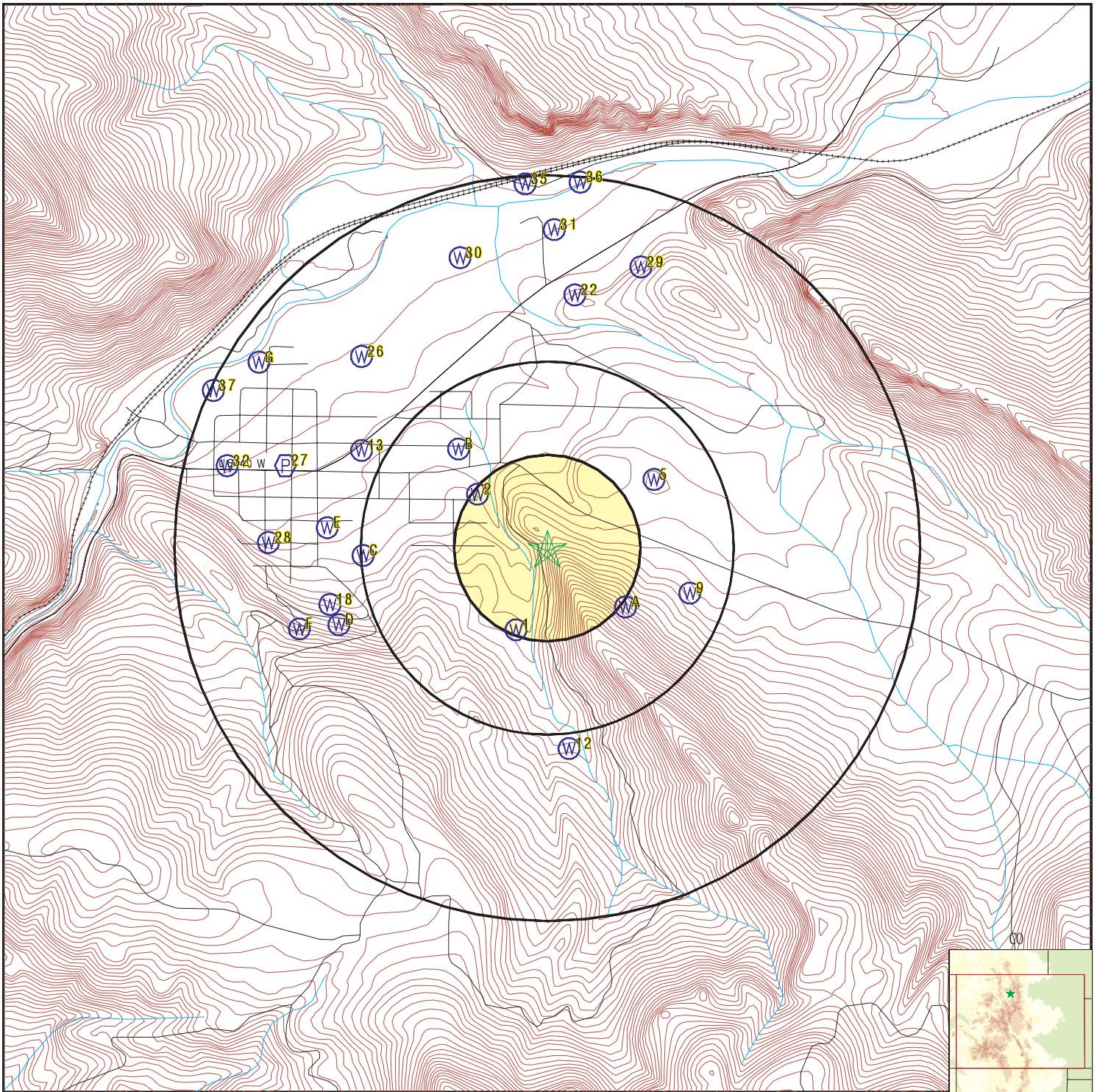
Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	CO7000000123783	1/8 - 1/4 Mile SSW
2	CO7000000218696	1/8 - 1/4 Mile NW
A3	CO7000000318778	1/4 - 1/2 Mile SE
A4	CO7000000453682	1/4 - 1/2 Mile SE
5	CO7000000311534	1/4 - 1/2 Mile ENE
B6	CO7000000203119	1/4 - 1/2 Mile NW
B7	CO7000000185941	1/4 - 1/2 Mile NW
B8	CO7000000012827	1/4 - 1/2 Mile NW
9	CO7000000212270	1/4 - 1/2 Mile ESE
C10	CO7000000484512	1/4 - 1/2 Mile West
C11	CO7000000294314	1/4 - 1/2 Mile West
12	CO7000000123782	1/2 - 1 Mile South
13	CO7000000395159	1/2 - 1 Mile WNW
D14	CO7000000419207	1/2 - 1 Mile WSW
D15	CO7000000265788	1/2 - 1 Mile WSW
E16	CO7000000395204	1/2 - 1 Mile West
E17	CO7000000374665	1/2 - 1 Mile West
18	CO7000000011795	1/2 - 1 Mile WSW
E19	CO7000000153314	1/2 - 1 Mile West
D20	CO7000000105478	1/2 - 1 Mile WSW
D21	CO7000000136397	1/2 - 1 Mile WSW
22	CO7000000147502	1/2 - 1 Mile North
F23	CO7000000488329	1/2 - 1 Mile WSW
F24	CO7000000413437	1/2 - 1 Mile WSW
F25	CO7000000094328	1/2 - 1 Mile WSW
26	CO7000000153309	1/2 - 1 Mile NW
28	CO7000000092285	1/2 - 1 Mile West
29	CO7000000377723	1/2 - 1 Mile NNE
30	CO7000000285180	1/2 - 1 Mile NNW
32	CO7000000181310	1/2 - 1 Mile WNW
G33	CO7000000246396	1/2 - 1 Mile NW
G34	CO7000000094532	1/2 - 1 Mile WNW
35	CO7000000395206	1/2 - 1 Mile North
36	CO7000000011877	1/2 - 1 Mile North
37	CO7000000165326	1/2 - 1 Mile WNW

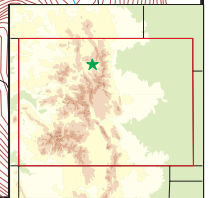
PHYSICAL SETTING SOURCE MAP - 6263030.2s



- 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: Himebaugh Property
 ADDRESS: Hot Sulphur Springs
 Hot Sulphur Springs CO 80451
 LAT/LONG: 40.06983 / 106.089269

CLIENT: GEI Consultants, Inc.
 CONTACT: Thomas Daigle
 INQUIRY #: 6263030.2s
 DATE: November 11, 2020 1:47 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
SSW
1/8 - 1/4 Mile
Lower

CO WELLS CO7000000123783

CO DWR ID #:	Not Reported	Permit #:	264270-
Well Name:	Not Reported		
Well Status:	Permit Issued; Completion Status Unknown		
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Other	Addtl Well Use:	Not Reported
Special Use:	Monitoring Well	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0
Yrly Appropriation:	0	Issue Date:	07/08/2005
Expiration Date:	07/08/2007	Construction Date:	Not Reported
Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	0	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	0
Static Water Depth (ft):	0	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

2
NW
1/8 - 1/4 Mile
Lower

CO WELLS CO7000000218696

CO DWR ID #:	Not Reported	Permit #:	179730-
Well Name:	#1	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0 acres
Yrly Appropriation:	0	Issue Date:	07/11/1994
Expiration Date:	07/11/1996	Construction Date:	05/16/1994
Start Use Date:	Not Reported	Pump Install Date:	09/30/1994
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	200	Top of First Perf Casing:	130
Base of Last Perf Casing:	200	Yield (gal/min):	6
Static Water Depth (ft):	29	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5		
Comments:	HUO, ONLY WELL ON 5 AC, DES. AS S/2 BLK 13, ALL OF BLK 24, LONGVIEW		

A3
SE
1/4 - 1/2 Mile
Higher

CO WELLS CO7000000318778

CO DWR ID #:	Not Reported	Permit #:	91634--A
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Domestic	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0
Yrly Appropriation:	0	Issue Date:	12/19/2005

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Expiration Date:	12/19/2007	Construction Date:	03/10/2006
Start Use Date:	Not Reported	Pump Install Date:	04/05/2006
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	200	Top of First Perf Casing:	180
Base of Last Perf Casing:	200	Yield (gal/min):	6.5
Static Water Depth (ft):	13	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

**A4
SE
1/4 - 1/2 Mile
Higher**

CO WELLS CO7000000453682

CO DWR ID #:	Not Reported	Permit #:	91634-
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Huo Prior To Hb1111 Amended 3b-lib		
Primary Aquifer:	All Unnamed Aquifers	Addtl Aquifer:	Not Reported
Irrigation Area:	0 acres	Yrly Appropriation:	0
Issue Date:	07/18/1977	Expiration Date:	Not Reported
Construction Date:	08/11/1977	Start Use Date:	08/11/1977
Pump Install Date:	Not Reported	Well Plug Date:	Not Reported
Surface Elevation (ft):	0	Well Depth (ft):	185
Top of First Perf Casing:	125	Base of Last Perf Casing:	185
Yield (gal/min):	2	Static Water Depth (ft):	50
Groundwater Basin:	Not Reported	Mgmt District:	Not Reported
Water District:	51	Division:	5
Comments:	Not Reported		

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

CO WELLS CO7000000311534

CO DWR ID #:	Not Reported	Permit #:	202873-
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	35
Well Use:	Domestic	Addtl Well Use:	Not Reported
Special Use:	Issued Under Presumption 3b-lia		
Primary Aquifer:	All Unnamed Aquifers	Addtl Aquifer:	Not Reported
Irrigation Area:	0 acres	Yrly Appropriation:	0
Issue Date:	08/07/1997	Expiration Date:	08/07/1999
Construction Date:	08/06/1999	Start Use Date:	Not Reported
Pump Install Date:	11/02/1999	Well Plug Date:	Not Reported
Surface Elevation (ft):	0	Well Depth (ft):	930
Top of First Perf Casing:	60	Base of Last Perf Casing:	930
Yield (gal/min):	.5	Static Water Depth (ft):	43
Groundwater Basin:	Not Reported	Mgmt District:	Not Reported
Water District:	51	Division:	5
Comments:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

B6
NW
1/4 - 1/2 Mile
Lower

CO WELLS CO7000000203119

CO DWR ID #:	Not Reported	Permit #:	101111--A
Well Name:	Not Reported	Well Status:	Permit Expired
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0 acres
Yrly Appropriation:	0	Issue Date:	08/26/1981
Expiration Date:	Not Reported	Construction Date:	Not Reported
Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	0	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	0
Static Water Depth (ft):	0	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	also lot 7

B7
NW
1/4 - 1/2 Mile
Lower

CO WELLS CO7000000185941

CO DWR ID #:	Not Reported	Permit #:	101111-
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0 acres
Yrly Appropriation:	1	Issue Date:	08/11/1978
Expiration Date:	Not Reported	Construction Date:	10/31/1978
Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	300	Top of First Perf Casing:	60
Base of Last Perf Casing:	120	Yield (gal/min):	2
Static Water Depth (ft):	20	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	LOTS 1,2,3,4,5,6,7

B8
NW
1/4 - 1/2 Mile
Lower

CO WELLS CO7000000012827

CO DWR ID #:	Not Reported	Permit #:	22804-MH
Well Name:	Not Reported		
Well Status:	Permit Issued; Completion Status Unknown		
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Other	Addtl Well Use:	Not Reported
Special Use:	Monitoring Well	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0 acres
Yrly Appropriation:	0	Issue Date:	05/10/1994
Expiration Date:	08/10/1994	Construction Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	0	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	0
Static Water Depth (ft):	0	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

9

ESE

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

CO WELLS

CO7000000212270

CO DWR ID #:	Not Reported	Permit #:	296738-
Well Name:	Not Reported		
Well Status:	Permit Issued; Completion Status Unknown		
Water Court Case #:	Not Reported	Parcel Size:	41.34
Well Use:	Domestic	Addtl Well Use:	Stock
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	1 ACRES
Yrly Appropriation:	0	Issue Date:	01/27/2015
Expiration Date:	01/27/2017	Construction Date:	Not Reported
Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	0	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	0
Static Water Depth (ft):	0	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Rule 6.2.3

C10

West

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

CO WELLS

CO7000000484512

CO DWR ID #:	Not Reported	Permit #:	70164-
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0 acres
Yrly Appropriation:	0	Issue Date:	07/23/1973
Expiration Date:	Not Reported	Construction Date:	08/17/1974
Start Use Date:	08/17/1974	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	70	Top of First Perf Casing:	30
Base of Last Perf Casing:	70	Yield (gal/min):	1.5
Static Water Depth (ft):	10	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

C11
West
1/4 - 1/2 Mile
Lower

CO WELLS CO7000000294314

CO DWR ID #:	Not Reported	Permit #:	17858-
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Domestic	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0 acres
Yrly Appropriation:	0	Issue Date:	Not Reported
Expiration Date:	Not Reported	Construction Date:	Not Reported
Start Use Date:	06/18/1963	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	16	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	10
Static Water Depth (ft):	6	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

12
South
1/2 - 1 Mile
Higher

CO WELLS CO7000000123782

CO DWR ID #:	Not Reported	Permit #:	264269-
Well Name:	Not Reported		
Well Status:	Permit Issued; Completion Status Unknown		
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Other	Addtl Well Use:	Not Reported
Special Use:	Monitoring Well	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0
Yrly Appropriation:	0	Issue Date:	07/08/2005
Expiration Date:	07/08/2007	Construction Date:	Not Reported
Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	0	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	0
Static Water Depth (ft):	0	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

13
WNW
1/2 - 1 Mile
Lower

CO WELLS CO7000000395159

CO DWR ID #:	Not Reported	Permit #:	13176-R
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Commercial	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0 acres
Yrly Appropriation:	0	Issue Date:	Not Reported
Expiration Date:	Not Reported	Construction Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Start Use Date:	06/20/1938	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	70	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	5
Static Water Depth (ft):	15	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	also lots 20-24

D14
WSW
1/2 - 1 Mile
Lower

CO WELLS CO7000000419207

CO DWR ID #:	Not Reported	Permit #:	82037-
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0 acres
Yrly Appropriation:	0	Issue Date:	12/16/1975
Expiration Date:	Not Reported	Construction Date:	12/18/1975
Start Use Date:	12/18/1975	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	165	Top of First Perf Casing:	135
Base of Last Perf Casing:	165	Yield (gal/min):	2
Static Water Depth (ft):	40	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5		
Comments:	LOT 16-17 **NOTE: Well location corrected from NE NW Sec 11, 630 ft from N and 1500 ft from W, based on current property information available from the Grand County Assessor s Office. GMB, 10/17/13**		

D15
WSW
1/2 - 1 Mile
Lower

CO WELLS CO7000000265788

CO DWR ID #:	Not Reported	Permit #:	82037--A
Well Name:	Not Reported		
Well Status:	Permit Issued; Completion Status Unknown		
Water Court Case #:	Not Reported	Parcel Size:	.25
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0
Yrly Appropriation:	0	Issue Date:	10/17/2013
Expiration Date:	10/17/2015	Construction Date:	Not Reported
Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	0	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	0
Static Water Depth (ft):	0	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5		
Comments:	Emergency replacement **NOTE: Well location corrected from NE NW Sec 11, 610 ft from N and 1500 ft from W, per Grand Co Assessor website info & Aquamap site info. GMB, 10/17/13**		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

E16
West
1/2 - 1 Mile
Lower

CO WELLS CO7000000395204

CO DWR ID #:	Not Reported	Permit #:	17858--A
Well Name:	Not Reported	Well Status:	Permit Expired
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Domestic	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0 acres
Yrly Appropriation:	0	Issue Date:	10/04/1978
Expiration Date:	10/04/1980	Construction Date:	Not Reported
Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	0	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	0
Static Water Depth (ft):	0	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

E17
West
1/2 - 1 Mile
Lower

CO WELLS CO7000000374665

CO DWR ID #:	Not Reported	Permit #:	81141-
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0 acres
Yrly Appropriation:	0	Issue Date:	Not Reported
Expiration Date:	Not Reported	Construction Date:	Not Reported
Start Use Date:	10/03/1975	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	65	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	10
Static Water Depth (ft):	20	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5		
Comments:	Also Lot 15. **NOTE: this well & property appear actually to be located in SE NW Sec 11; see nearby replacement permit 82037-A. GMB, 10/17/13**		

18
WSW
1/2 - 1 Mile
Lower

CO WELLS CO7000000011795

CO DWR ID #:	Not Reported	Permit #:	85118-
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	1 acres
Yrly Appropriation:	0	Issue Date:	07/27/1976

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Expiration Date:	Not Reported	Construction Date:	08/20/1976
Start Use Date:	09/15/1977	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	225	Top of First Perf Casing:	185
Base of Last Perf Casing:	225	Yield (gal/min):	5
Static Water Depth (ft):	200	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

E19
West
1/2 - 1 Mile
Lower

CO WELLS CO7000000153314

CO DWR ID #:	Not Reported	Permit #:	75182-
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	1 acres
Yrly Appropriation:	0	Issue Date:	Not Reported
Expiration Date:	Not Reported	Construction Date:	Not Reported
Start Use Date:	07/25/1974	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	80	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	4
Static Water Depth (ft):	30	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

D20
WSW
1/2 - 1 Mile
Higher

CO WELLS CO7000000105478

CO DWR ID #:	Not Reported	Permit #:	238015-
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	.19
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0
Yrly Appropriation:	0	Issue Date:	01/24/2002
Expiration Date:	01/24/2004	Construction Date:	02/05/2002
Start Use Date:	Not Reported	Pump Install Date:	05/10/2002
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	105	Top of First Perf Casing:	50
Base of Last Perf Casing:	105	Yield (gal/min):	12
Static Water Depth (ft):	40	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5		
Comments:	Reapp expired permit #214985. Only well on 0.19 acre tract. Limit use to HUO being 1 SFD & no outside uses. Physical address is 620 CR 559 Hot Sulphur Springs Tax # R200476 identified as lot nos. 9,10,11,12&13 Camp Washington/Tours, totaling 0.516 acres.		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

D21
WSW
1/2 - 1 Mile
Higher

CO WELLS CO7000000136397

CO DWR ID #:	Not Reported	Permit #:	214985-
Well Name:	Not Reported	Well Status:	Permit Expired
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0 acres
Yrly Appropriation:	0	Issue Date:	12/29/1998
Expiration Date:	12/29/2001	Construction Date:	Not Reported
Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	0	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	0
Static Water Depth (ft):	0	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5		
Comments:	ONLY WELL 0.195AC LOT,@620 CR 559,HOT SULPHUR;CAMP WASH. AKA TOURS		

22
North
1/2 - 1 Mile
Lower

CO WELLS CO7000000147502

CO DWR ID #:	Not Reported	Permit #:	279779-
Well Name:	Not Reported	Well Status:	Permit Extended
Water Court Case #:	Not Reported	Parcel Size:	6.0100002
Well Use:	Commercial	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0
Yrly Appropriation:	0	Issue Date:	02/03/2009
Expiration Date:	02/03/2012	Construction Date:	Not Reported
Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	0	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	0
Static Water Depth (ft):	0	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

F23
WSW
1/2 - 1 Mile
Higher

CO WELLS CO7000000488329

CO DWR ID #:	Not Reported	Permit #:	201522-
Well Name:	Not Reported	Well Status:	Not Reported
Water Court Case #:	Not Reported	Parcel Size:	.69
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0 acres
Yrly Appropriation:	0	Issue Date:	03/12/1997
Expiration Date:	03/12/1999	Construction Date:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	0	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	0
Static Water Depth (ft):	0	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

F24
WSW
1/2 - 1 Mile
Higher

CO WELLS CO7000000413437

CO DWR ID #:	Not Reported	Permit #:	115545-
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0 acres
Yrly Appropriation:	0	Issue Date:	Not Reported
Expiration Date:	Not Reported	Construction Date:	Not Reported
Start Use Date:	11/01/1981	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	330	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	12
Static Water Depth (ft):	0	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Also Lots 46 & 47

F25
WSW
1/2 - 1 Mile
Higher

CO WELLS CO7000000094328

CO DWR ID #:	Not Reported	Permit #:	70399-
Well Name:	Not Reported	Well Status:	Permit Expired
Water Court Case #:	Not Reported	Parcel Size:	.5
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0
Yrly Appropriation:	0	Issue Date:	08/01/1973
Expiration Date:	Not Reported	Construction Date:	Not Reported
Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	0	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	0
Static Water Depth (ft):	0	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

26
NW
1/2 - 1 Mile
Lower

CO WELLS CO7000000153309

CO DWR ID #:	Not Reported	Permit #:	37325-
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Domestic	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0 acres
Yrly Appropriation:	0	Issue Date:	Not Reported
Expiration Date:	Not Reported	Construction Date:	Not Reported
Start Use Date:	04/20/1969	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	50	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	15
Static Water Depth (ft):	28	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	also lots 2-6

27
WNW
1/2 - 1 Mile
Lower

FRDS PWS CO0225352

Epa region:	08	State:	CO
Pwsid:	CO0225352	Pwsname:	HOT SULPHUR SPRINGS RESORT
Cityserved:	Not Reported	Stateserved:	CO
Zipsserved:	Not Reported	Fipscounty:	08049
Status:	Closed	Retpopsrvd:	0
Pwssvconn:	20		
Psource longname:	Groundwater_under_infl_of_surface_water		
Pwstype:	TNCWS	Owner:	Private
Contact:	HOT SULPHUR SPRINGS RESORT		
Contactorgname:	Not Reported	Contactphone:	Not Reported
Contactaddress1:	PO BOX 275	Contactaddress2:	Not Reported
Contactcity:	HOT SULPHUR SPRINGS	Contactstate:	CO
Contactzip:	80451	Pwsactivitycode:	N
Pwsid:	CO0225352	Facid:	2T
Facname:	WELL	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	disinfection
Trtprocess:	hypochlorination, post	Factypecode:	TP
Pwsid:	CO0225352	Facid:	2T
Facname:	WELL	Factype:	Treatment_plant
Facactivitycode:	I	Trtobjective:	particulate removal
Trtprocess:	filtration, cartridge	Factypecode:	TP
PWS ID:	CO0225352	PWS type:	Not Reported
PWS name:	Not Reported	PWS address:	Not Reported
PWS city:	Not Reported	PWS state:	Not Reported
PWS zip:	Not Reported	PWS ID:	CO0225352
Activity status:	Active	Date system activated:	Not Reported
Date system deactivated:	Not Reported	Retail population:	00000025
System name:	HOT SULPHUR SPRINGS BATH	System address:	BOX 275
System city:	HOT SULPHUR SPRINGS	System state:	CO

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

System zip:	80451		
Population served:	Under 101 Persons	Treatment:	Treated
Latitude:	400423	Longitude:	1060607

28
West
1/2 - 1 Mile
Lower

CO WELLS CO700000092285

CO DWR ID #:	Not Reported	Permit #:	51827-
Well Name:	Not Reported	Well Status:	Permit Expired
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Domestic	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0
Yrly Appropriation:	0	Issue Date:	02/29/1972
Expiration Date:	Not Reported	Construction Date:	Not Reported
Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	0	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	0
Static Water Depth (ft):	0	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

29
NNE
1/2 - 1 Mile
Lower

CO WELLS CO700000037723

CO DWR ID #:	Not Reported	Permit #:	61005-
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Domestic	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	1 acres
Yrly Appropriation:	0	Issue Date:	05/17/1972
Expiration Date:	Not Reported	Construction Date:	08/24/1972
Start Use Date:	08/24/1972	Pump Install Date:	09/16/1972
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	29	Top of First Perf Casing:	21
Base of Last Perf Casing:	29	Yield (gal/min):	8
Static Water Depth (ft):	12	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

30
NNW
1/2 - 1 Mile
Lower

CO WELLS CO7000000285180

CO DWR ID #:	Not Reported	Permit #:	189372-
Well Name:	Not Reported	Well Status:	Not Reported
Water Court Case #:	Not Reported	Parcel Size:	35
Well Use:	Domestic	Addtl Well Use:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Special Use:	Issued Under Presumption 3b-lia	Addtl Aquifer:	Not Reported
Primary Aquifer:	All Unnamed Aquifers	Yrly Appropriation:	0
Irrigation Area:	0 acres	Expiration Date:	08/17/1997
Issue Date:	08/17/1995	Start Use Date:	Not Reported
Construction Date:	Not Reported	Well Plug Date:	Not Reported
Pump Install Date:	Not Reported	Well Depth (ft):	0
Surface Elevation (ft):	0	Base of Last Perf Casing:	0
Top of First Perf Casing:	0	Static Water Depth (ft):	0
Yield (gal/min):	0	Mgmt District:	Not Reported
Groundwater Basin:	Not Reported	Division:	5
Water District:	51		
Comments:	CRITICAL, 38.705 ACRES, 3SFD, 1AR IR, DOM ANIMALS		

31
North
1/2 - 1 Mile
Lower

FED USGS USGS40000217282

Organization ID:	USGS-CO	Organization Name:	USGS Colorado Water Science Center
Monitor Location:	SB00107802ADB	Type:	Well
Description:	Not Reported	HUC:	14010001
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Valley-Fill Deposits
Aquifer Type:	Not Reported	Construction Date:	19600101
Well Depth:	22	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

Ground water levels,Number of Measurements:	11	Level reading date:	1982-08-31
Feet below surface:	8.59	Feet to sea level:	Not Reported
Note:	Not Reported		

Level reading date:	1981-08-11	Feet below surface:	8.28
Feet to sea level:	Not Reported	Note:	The site had been pumped recently.

Level reading date:	1980-08-05	Feet below surface:	7.84
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1979-08-21	Feet below surface:	7.72
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1978-08-14	Feet below surface:	8.03
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1977-08-14	Feet below surface:	9.22
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1976-08-11	Feet below surface:	8.47
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1975-09-16	Feet below surface:	8.66
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1974-08-29	Feet below surface:	8.26
Feet to sea level:	Not Reported	Note:	Not Reported

Level reading date:	1973-09-07	Feet below surface:	8.34
Feet to sea level:	Not Reported	Note:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Level reading date:	1973-09-01	Feet below surface:	8.00
Feet to sea level:	Not Reported	Note:	Not Reported

32
WNW
1/2 - 1 Mile
Lower

CO WELLS CO7000000181310

CO DWR ID #:	Not Reported	Permit #:	57350-
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Domestic	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	1 acres
Yrly Appropriation:	0	Issue Date:	04/14/1972
Expiration Date:	Not Reported	Construction Date:	Not Reported
Start Use Date:	05/20/1960	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	1	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	5
Static Water Depth (ft):	0	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

G33
NW
1/2 - 1 Mile
Lower

CO WELLS CO7000000246396

CO DWR ID #:	Not Reported	Permit #:	69866-
Well Name:	Not Reported	Well Status:	Permit Expired
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0
Yrly Appropriation:	0	Issue Date:	07/09/1973
Expiration Date:	Not Reported	Construction Date:	Not Reported
Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	0	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	0
Static Water Depth (ft):	0	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

G34
WNW
1/2 - 1 Mile
Lower

CO WELLS CO7000000094532

CO DWR ID #:	Not Reported	Permit #:	69275-
Well Name:	Not Reported	Well Status:	Permit Expired
Water Court Case #:	Not Reported	Parcel Size:	.75
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0
Yrly Appropriation:	0	Issue Date:	06/08/1973

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Expiration Date:	Not Reported	Construction Date:	Not Reported
Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	0	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	0
Static Water Depth (ft):	0	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

35
North
1/2 - 1 Mile
Lower

CO WELLS CO7000000395206

CO DWR ID #:	Not Reported	Permit #:	142651-
Well Name:	Not Reported		
Well Status:	Permit Issued; Completion Status Unknown		
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Household Use Only	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0 acres
Yrly Appropriation:	0	Issue Date:	01/15/1986
Expiration Date:	Not Reported	Construction Date:	Not Reported
Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	0	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	0
Static Water Depth (ft):	0	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

36
North
1/2 - 1 Mile
Lower

CO WELLS CO7000000011877

CO DWR ID #:	Not Reported	Permit #:	114643-
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Domestic	Addtl Well Use:	Not Reported
Special Use:	Not Reported	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	1 acres
Yrly Appropriation:	0	Issue Date:	Not Reported
Expiration Date:	Not Reported	Construction Date:	Not Reported
Start Use Date:	11/26/1983	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	300	Top of First Perf Casing:	0
Base of Last Perf Casing:	0	Yield (gal/min):	1
Static Water Depth (ft):	10	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

37
WNW
1/2 - 1 Mile
Lower

CO WELLS CO7000000165326

CO DWR ID #:	Not Reported	Permit #:	290003-
Well Name:	MW-3	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	0
Well Use:	Other	Addtl Well Use:	Not Reported
Special Use:	Monitoring Well	Primary Aquifer:	All Unnamed Aquifers
Addtl Aquifer:	Not Reported	Irrigation Area:	0
Yrly Appropriation:	0	Issue Date:	12/13/2012
Expiration Date:	Not Reported	Construction Date:	11/13/2012
Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	13	Top of First Perf Casing:	8
Base of Last Perf Casing:	13	Yield (gal/min):	0
Static Water Depth (ft):	10	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	51
Division:	5	Comments:	Not Reported

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
80451	4	4.30	75.00	0.00	25.00	0.00

Federal EPA Radon Zone for GRAND 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: 80451

Number of sites tested: 3

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.767 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	11.900 pCi/L	0%	100%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 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^R 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 Service (NRCS)

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 Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, 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

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Appendix F

Historical Aerial Photographs



Himebaugh Property

Hot Sulphur Springs

Hot Sulphur Springs, CO 80451

Inquiry Number: 6263030.8

November 12, 2020

The EDR Aerial Photo Decade Package



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

11/12/20

Site Name:

Himebaugh Property
Hot Sulphur Springs
Hot Sulphur Springs, CO 80457
EDR Inquiry # 6263030.8

Client Name:

GEI Consultants, Inc.
4601 DTC Blvd. Suite 900
Denver, CO 80237-0000
Contact: Thomas Daigle



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. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
2017	1"=875'	Flight Year: 2017	USDA/NAIP
2013	1"=875'	Flight Year: 2013	USDA/NAIP
2009	1"=875'	Flight Year: 2009	USDA/NAIP
2005	1"=875'	Flight Year: 2005	USDA/NAIP
1999	1"=875'	Flight Date: September 08, 1999	USGS
1994	1"=875'	Acquisition Date: September 25, 1994	USGS/DOQQ
1990	1"=875'	Flight Date: August 27, 1990	USGS
1983	1"=875'	Flight Date: June 21, 1983	USGS
1979	1"=875'	Flight Date: September 12, 1979	USGS
1975	1"=875'	Flight Date: September 01, 1975	USGS
1954	1"=875'	Flight Date: September 18, 1954	USGS

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INQUIRY # 6263030.8

YEAR: 2017

— = 875'





INQUIRY # 6263030.8

YEAR: 2013

— = 875'





INQUIRY # 6263030.8

YEAR: 2009

— = 875'





INQUIRY # 6263030.8

YEAR: 2005

— = 875'



INQUIRY # 6263030.8

YEAR: 1999



= 875'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY # 6263030.8

YEAR: 1999

— = 875'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.

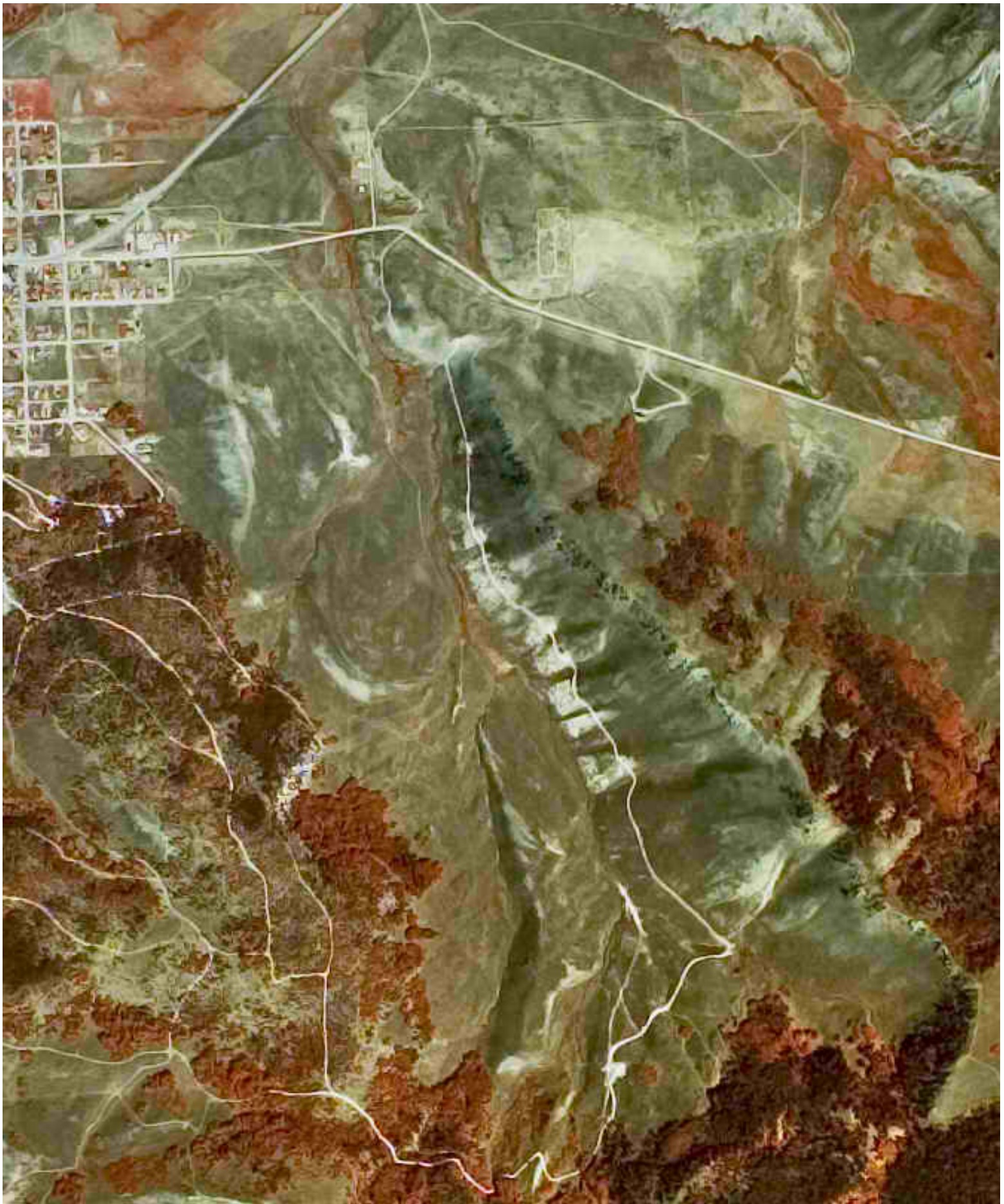


INQUIRY # 6263030.8

YEAR: 1994

— = 875'



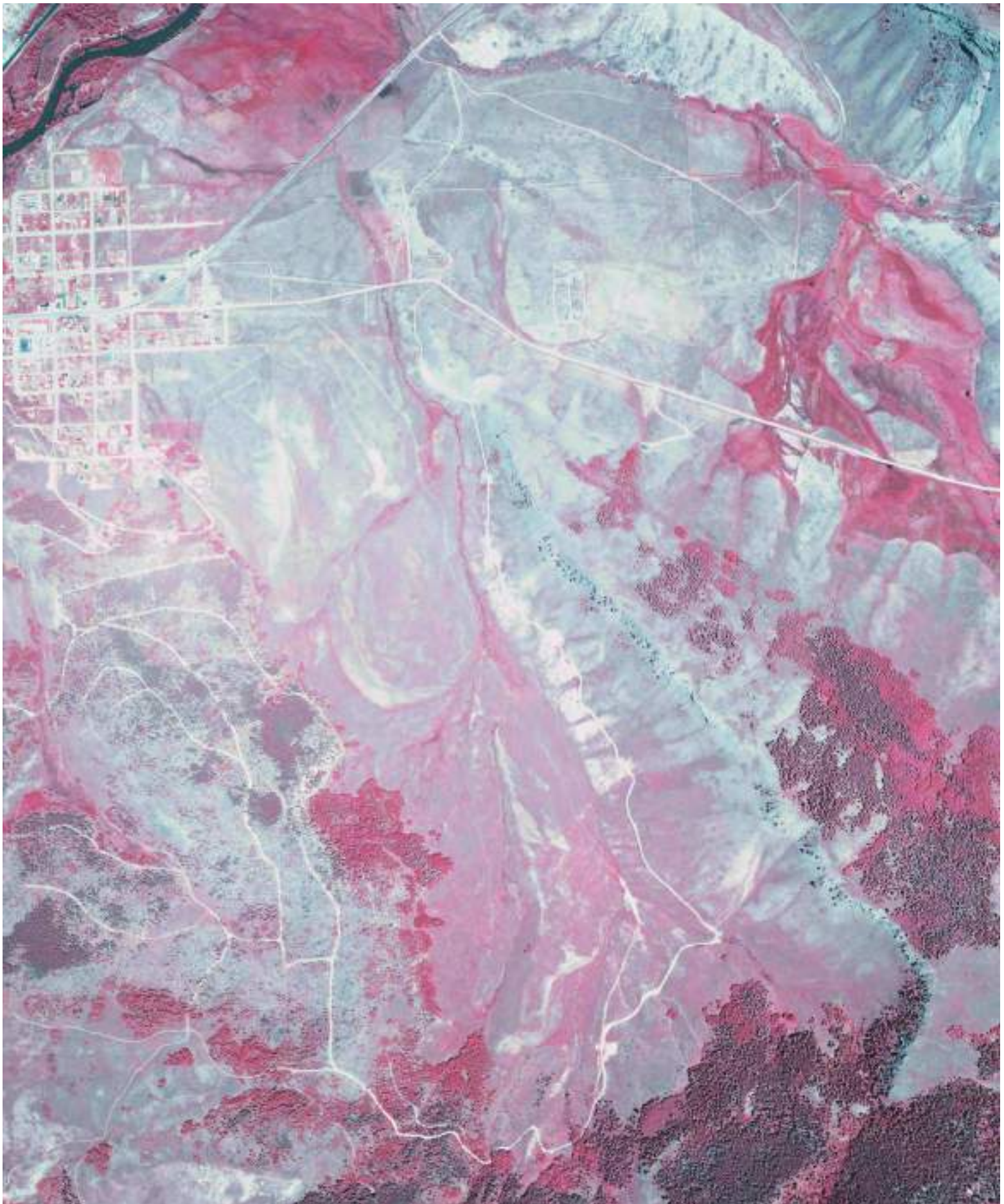


INQUIRY # 6263030.8
YEAR: 1990

↑ N
EDR

— = 875'

Subject boundary not shown because it exceeds image extent or image is not georeferenced.



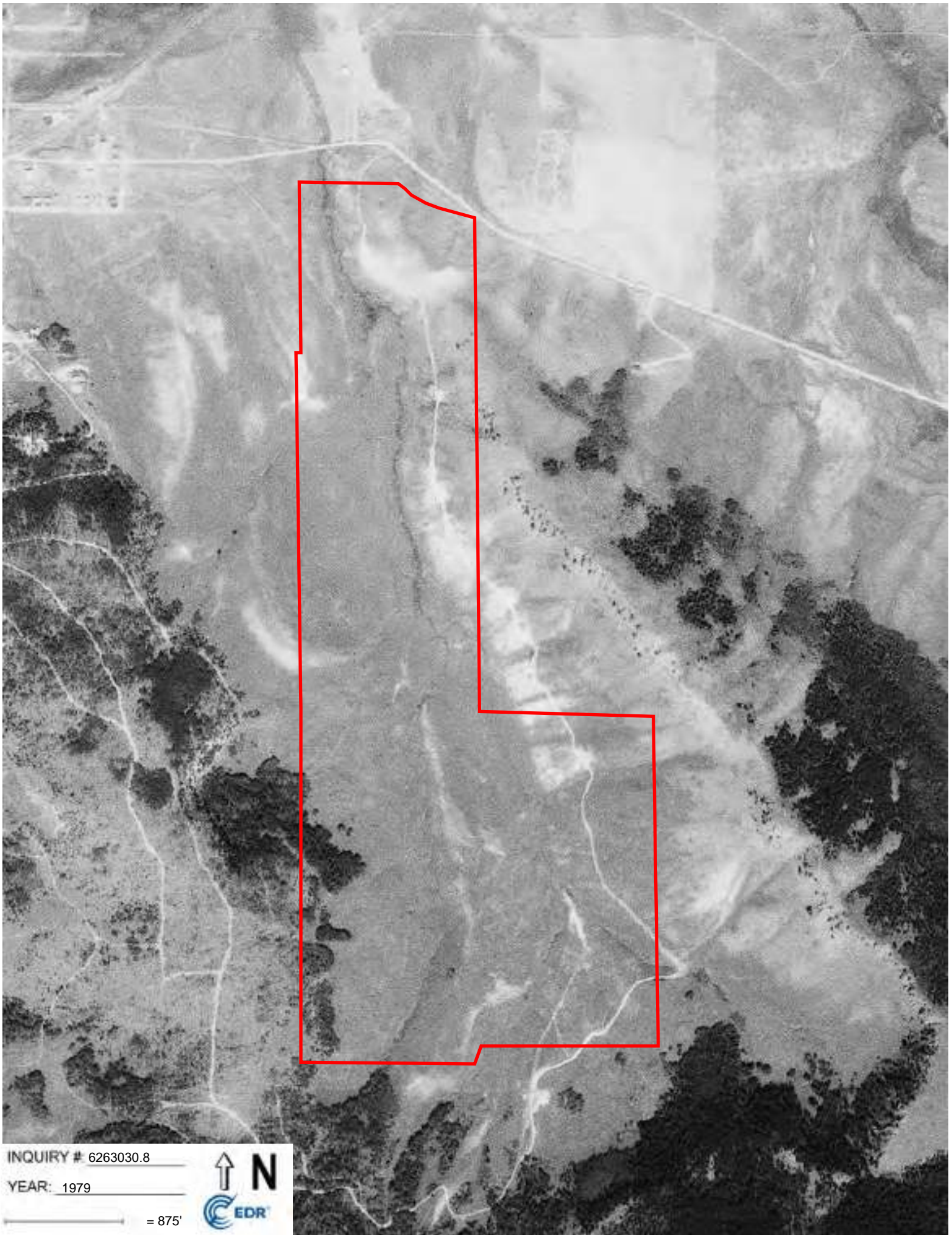
INQUIRY # 6263030.8

YEAR: 1983

— = 875'



Subject boundary not shown because it exceeds image extent or image is not georeferenced.



INQUIRY # 6263030.8

YEAR: 1979

— = 875'



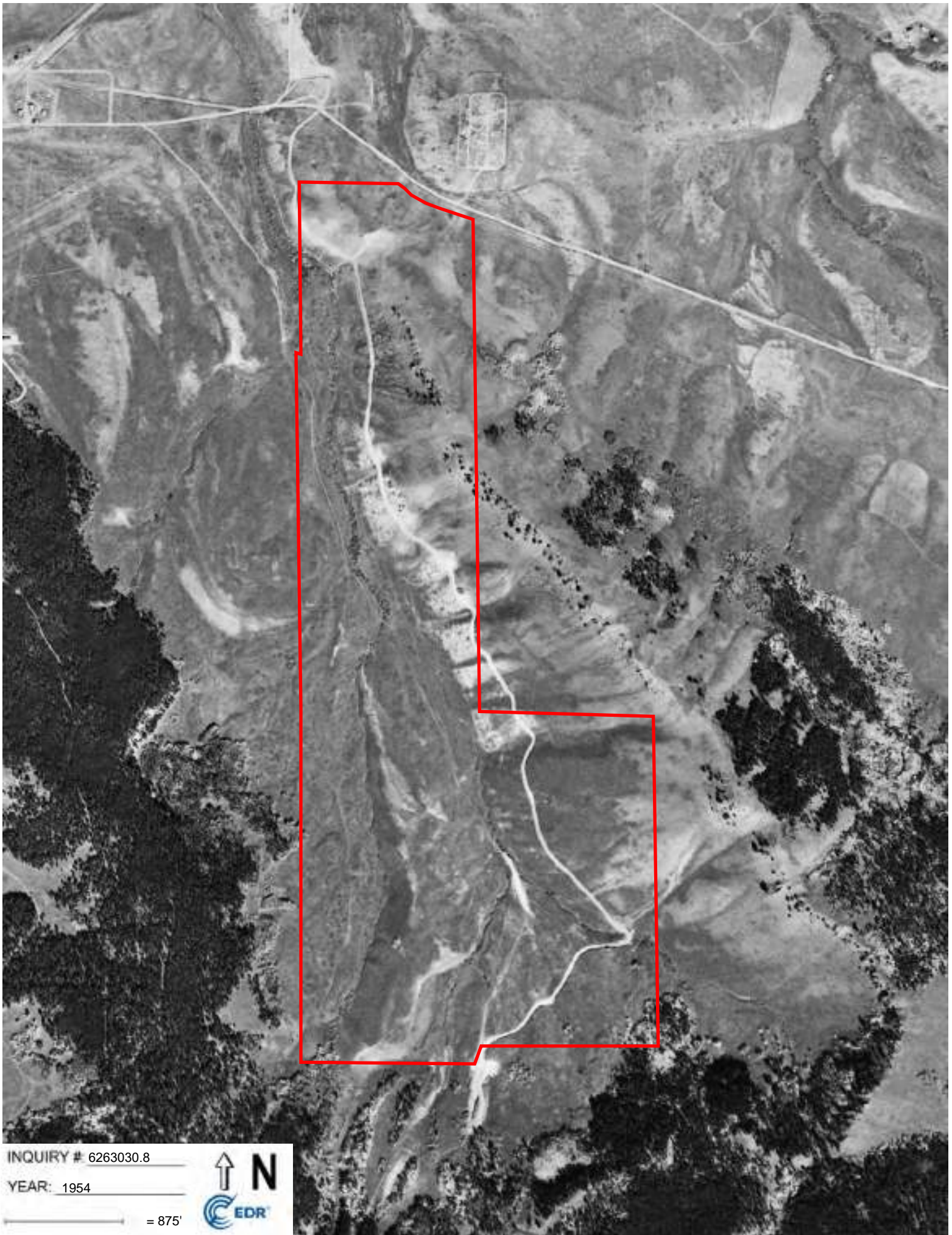


INQUIRY # 6263030.8

YEAR: 1975

— = 875'





INQUIRY # 6263030.8

YEAR: 1954

— = 875'



Appendix G

Historical Topographic Maps

Himebaugh Property
Hot Sulphur Springs
Hot Sulphur Springs, CO 80451

Inquiry Number: 6263030.4

November 11, 2020

EDR Historical Topo Map Report

with QuadMatch™



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Historical Topo Map Report

11/11/20

Site Name:

Himebaugh Property
Hot Sulphur Springs
Hot Sulphur Springs, CO 80457
EDR Inquiry # 6263030.4

Client Name:

GEI Consultants, Inc.
4601 DTC Blvd. Suite 900
Denver, CO 80237-0000
Contact: Thomas Daigle



EDR Topographic Map Library has been searched by EDR and maps covering the target property location as provided by GEI Consultants, Inc. were identified for the years listed below. EDR's Historical Topo Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDR's Historical Topo Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the late 1800s.

Search Results:**Coordinates:**

P.O.#	2004902	Latitude:	40.06983 40° 4' 11" North
Project:	Phase 1 ESA - Himebaugh Tra	Longitude:	-106.089269 -106° 5' 21" West
		UTM Zone:	Zone 13 North
		UTM X Meters:	407114.14
		UTM Y Meters:	4436076.12
		Elevation:	7931.93' above sea level

Maps Provided:

2013
1980
1957

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Topo Sheet Key

This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2013 Source Sheets



Hot Sulphur Springs
2013
7.5-minute, 24000

1980 Source Sheets



Hot Sulphur Springs
1980
7.5-minute, 24000
Aerial Photo Revised 1975

1957 Source Sheets



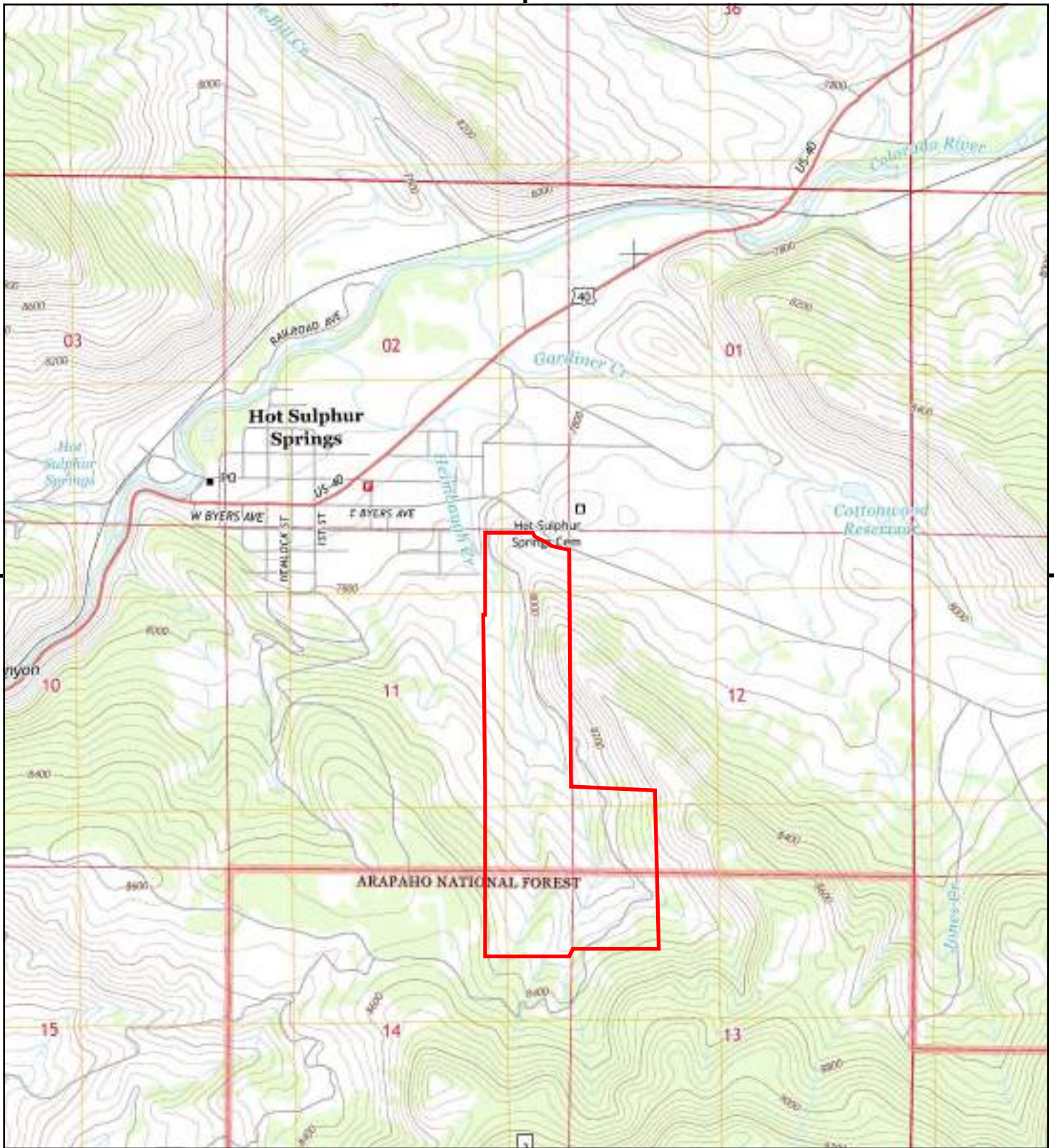
Hot Sulphur Springs
1957
15-minute, 62500
Aerial Photo Revised 1954



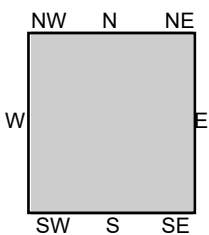
Hot Sulphur Springs
1957
15-minute, 62500
Aerial Photo Revised 1954



Hot Sulphur Spring
1957
15-minute, 62500
Aerial Photo Revised 1954

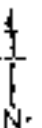


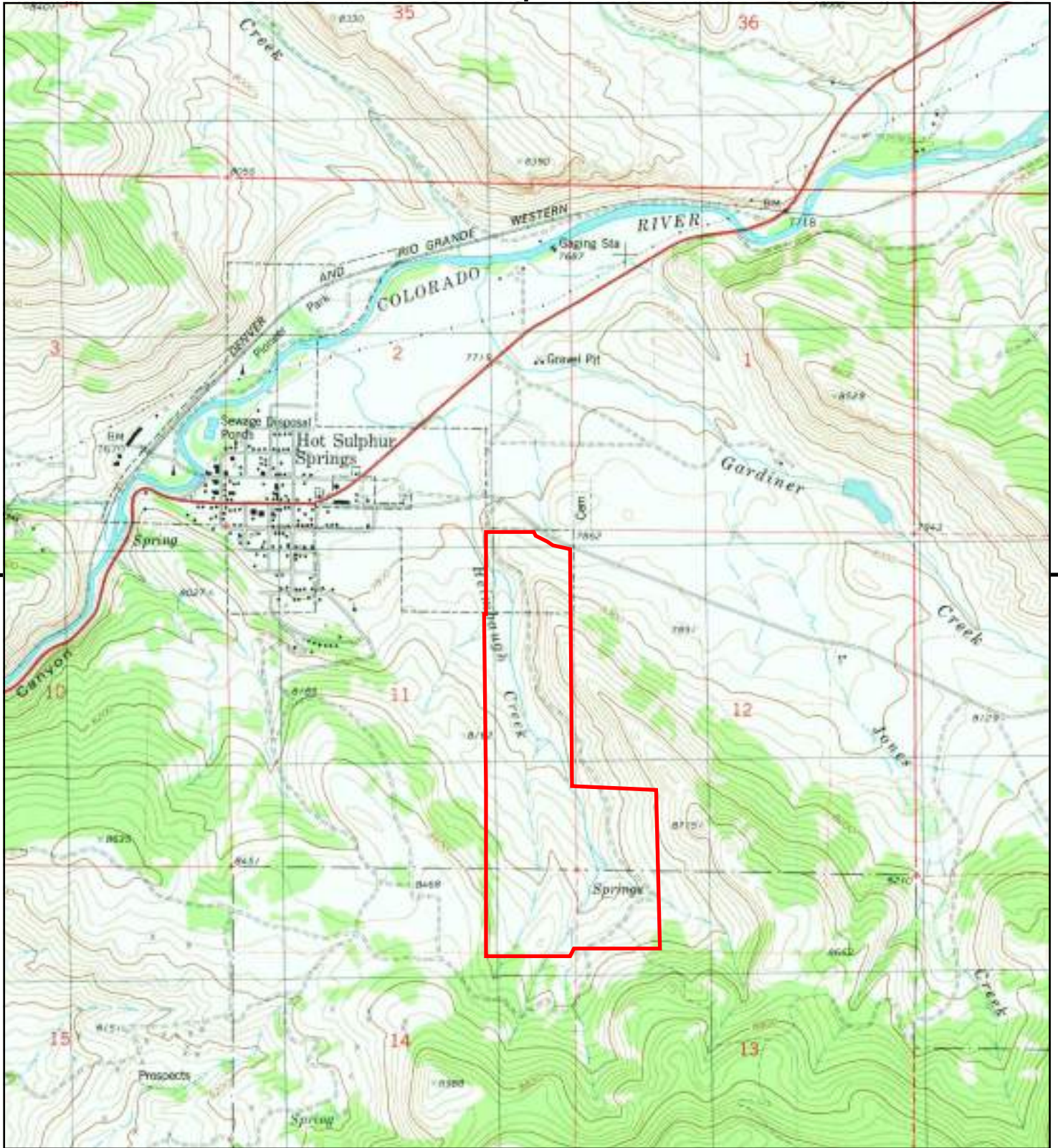
This report includes information from the following map sheet(s).



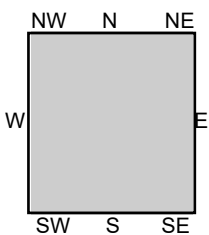
TP, Hot Sulphur Springs, 2013, 7.5-minute

SITE NAME: Himebaugh Property
 ADDRESS: Hot Sulphur Springs
 Hot Sulphur Springs, CO 80451
 CLIENT: GEI Consultants, Inc.





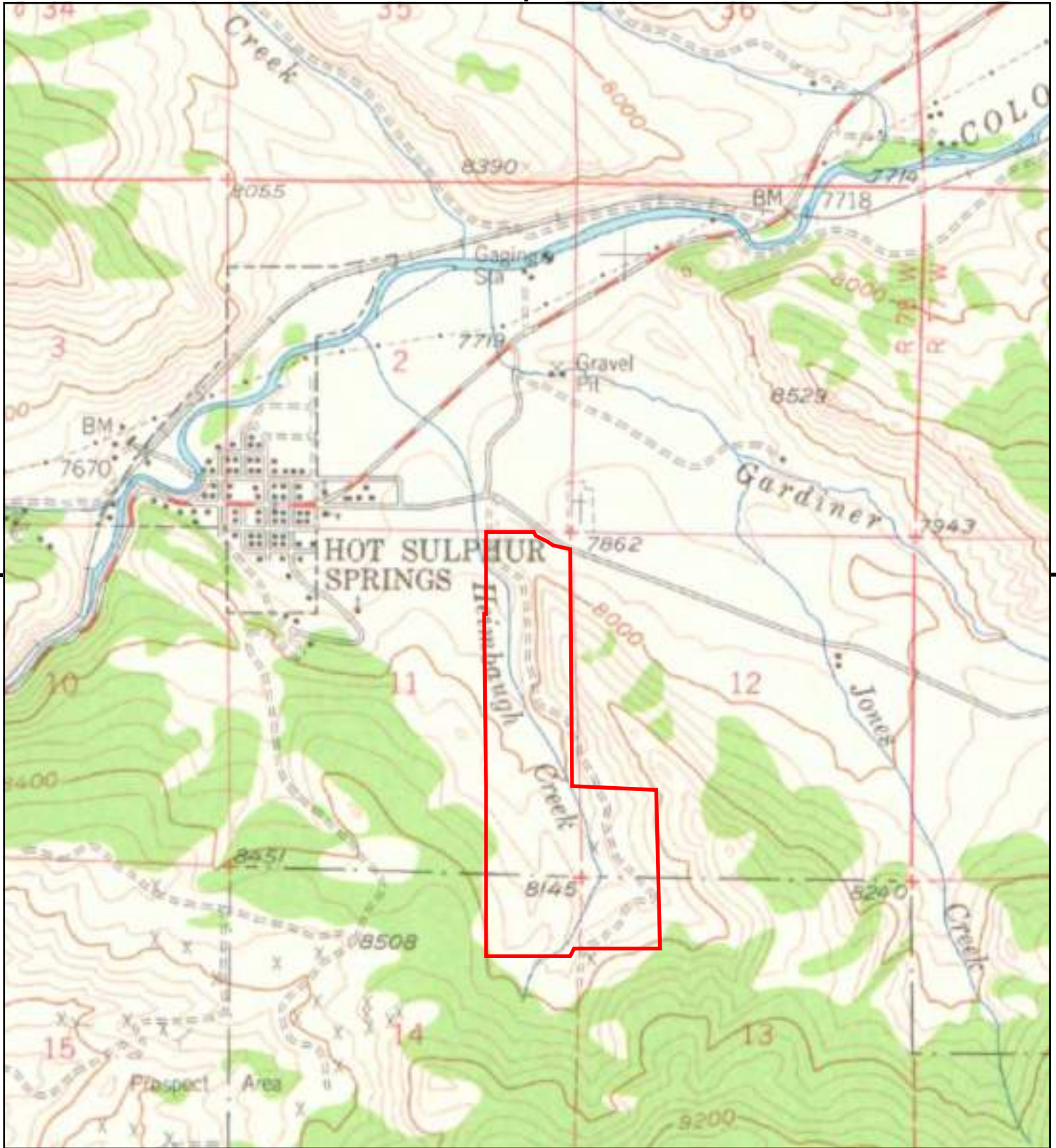
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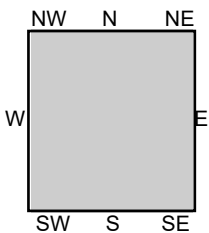
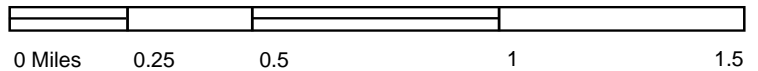
TP, Hot Sulphur Springs, 1980, 7.5-minute

SITE NAME: Himebaugh Property
 ADDRESS: Hot Sulphur Springs
 Hot Sulphur Springs, CO 80451
 CLIENT: GEI Consultants, Inc.





This report includes information from the following map sheet(s).



TP, Hot Sulphur Springs, 1957, 15-minute
 TP, Hot Sulpher Springs, 1957, 15-minute
 TP, Hot Sulphur Spring, 1957, 15-minute

SITE NAME: Himebaugh Property
 ADDRESS: Hot Sulphur Springs
 Hot Sulphur Springs, CO 80451
 CLIENT: GEI Consultants, Inc.



Appendix H

Sanborn Map

Himebaugh Property
Hot Sulphur Springs
Hot Sulphur Springs, CO 80451

Inquiry Number: 6263030.3

November 11, 2020

Certified Sanborn® Map Report



6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

11/11/20

Site Name:

Himebaugh Property
Hot Sulphur Springs
Hot Sulphur Springs, CO 8045
EDR Inquiry # 6263030.3

Client Name:

GEI Consultants, Inc.
4601 DTC Blvd. Suite 900
Denver, CO 80237-0000
Contact: Thomas Daigle



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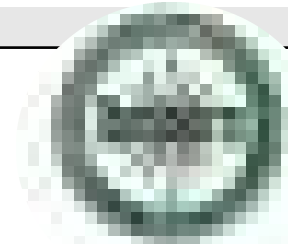
The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # AAAE-48F3-B191
PO # 2004902
Project Phase 1 ESA - Himebaugh Tract

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.



Sanborn® Library search results

Certification #: AAAE-48F3-B191

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others 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

The Sanborn Library LLC Since 1866™

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Appendix I

Owner Interview

Interview topics for Owner and/or Occupants

Tom Daigle performed the interview with property owner Max Webel on 11-13-20 prior to walking the site.

What is your role/tenure with the company and timeframe of knowledge of property uses?

Role: Property Owner, Owned for about 20 years. Over that entire time (and even before) it has been used for cattle ranching

Describe the history of the Property along with current and past uses, and current/past uses of adjoining properties and uses in the surrounding area.

Currently used for cattle ranching (Herefords), no current structures or historic structures other than the small tow-rope from the 1950's ski area. Surrounded by national forest and BLM land. Was ranching before current owner.

Do you have any copies of past environmental/engineering reports, or other "Helpful Documents" as listed in the ASTM standard section 10.8 (ask of Owner, key site manager, and user).

No. No documents exist to owner's knowledge.

Are you aware of any legal proceedings involving the property (pending/threatened/past litigation/administrative proceedings/governmental notices regarding any hazardous substances or petroleum products) as listed in ASTM standard section 10.9.

No

Describe Property improvements.

There are none. No structures. Two-track dirt road for occasional access for ranching.

Describe the potable water supply, sewage disposal system, and other utilities.

None.

Describe any use, treatment, storage, disposal, or generation of hazardous substances or petroleum products on the Property.

None.

Do you have information on any aboveground or underground storage tanks on the Property? Are you aware of any fill pipes or vent pipes?

None.

Describe any odors (strong/pungent/noxious) associated with the Property or surrounding area.

None.

Do you have information on the use and conditions of any drums or other containers used to store hazardous substances or petroleum products?

None.

Do you have information on PCBs used in electrical, hydraulic, or other equipment on the Property?

None.

How are structures on the Property heated and cooled?

N/A

Do you have information on any staining or corrosion on walls, floors, or ceilings (except for staining from water)?

N/A

Do you have information on the condition and discharge locations for any drains and sumps?

N/A

Do you have information on any pits, ponds, or lagoons on the Property?

None

Do you have information on any spills, stained soil/pavement, stressed vegetation, solid waste, wastewater, wells, or septic systems on the Property?

None

Appendix J

Site Visit Photographs

Photo Log



1) Fence at perimeter of Property, facing south up-valley.



2) Northern area of Property, facing south up-valley.



3) Northwestern area of Property, facing southwest up-valley.



4) Northern area of the Property, facing northwest down-valley.



5) Eastern area of the Property and county road 557, facing east across-valley.



6) Heimbaugh creek, facing southwest up-valley.



7) Heimbaugh creek, facing north down-valley.



8) Northern area of Property and the town of Hot Sulphur Springs, facing northwest down valley.



9) Southern area of the Property, facing southwest up valley.



10) Western area of the Property, facing west across-valley.



11) Southern area of the Property, facing southeast up-valley.

Appendix K

Resumes

Benjamin Lee
Staff Geologist

Benjamin Lee is a staff geologist in the Environmental Division of GEI's Boston office and recent graduate from the University of Connecticut. He has experience in slug testing, borehole logging, pump testing, and water level monitoring. He is proficient in ArcGIS, AQTESOLV, FLOWNET, Surfer 8, and Microsoft Office.

PREVIOUS PROJECT EXPERIENCE

Research Assistant, University of Connecticut, Storrs, CT. Utilized ArcGIS and Google Earth software to complete mapping of Eversource Energy powerlines across Connecticut.

Internship, Airpot Corp., Norwalk, CT. Designed and streamlined manufacturing process from ordering to fabrication of glass and graphite piston hardware by creating an automated Microsoft Excel template.



EDUCATION

B.S., Geoscience, University of Connecticut

B.S., Environmental Chemistry, University of Connecticut

EXPERIENCE IN THE INDUSTRY

3 years

EXPERIENCE WITH GEI

2 years

REGISTRATIONS/CERTIFICATIONS

OSHA 40 Hour HAZWOPER Certification
and 8 Hour HAZWOPER refresher

Thomas A. Daigle, P.G.
Project Manager



Tom Daigle is a geologist with experience conducting and managing environmental and geotechnical field investigations. He provides strategic consulting services to solve problems related to remediation and regulatory compliance typically at contaminated sites. He also leads GEI's non-aqueous phase liquid (NAPL) transmissivity testing practice specializing in transmissivity testing procedures, analysis methods, and regulatory reporting. He brings a wide range of experience to each job with a focus on technical excellence and client service.

Mr. Daigle has experience in civil and geotechnical construction oversight, hazardous material assessments, soil and groundwater investigations, drill core and test pit logging, underground storage tank removal, light non-aqueous phase liquid (LNAPL) transmissivity testing, geotechnical engineering, permitting, and strategic regulatory support. He also has experience with conceptual site modeling, data analysis, sediment contamination, and construction management.

PROJECT EXPERIENCE

Environmental

Aquifer Recharge and Recovery Site Soil Sampling and Monitoring, City of Aurora, Aurora, CO. Served as Project Manager. Performed direct push drilling and soil sampling activities to assess whether metals are accumulating in soils within the Low Permeable Barrier boundary at the site in order to satisfy county permit conditions. Prepared a soil sampling and monitoring work plan, quality assurance project plan, and a summary report documenting site activities and laboratory results. Soil samples were analyzed for Resource Conservation Recovery Act 8 metals by Toxicity Characteristic Leaching Procedure.

Bell Tower Development Phase I/II, Kairoi Residential, Denver, CO. Project Manager performed a Phase I Environmental Site Assessment for a future hi-rise residential tower in downtown Denver. Performed a subsequent limited Phase II subsurface investigation to document soil and groundwater conditions and collect additional data to support future engineering foundation design, dewatering permits, and environmental compliance. Engaged with the client, engineering design team, and architects to communicate investigation results and facilitate the procurement of construction permits and development of a soil management plan.

Valero – NuStar Denver Terminal Remediation, VTD Properties, Inc, Broomfield, CO. Project Manager responsible for the operation and maintenance of an existing light non-aqueous phase liquid (LNAPL) remediation system that includes an air compressor, pneumatic skimmer pumps, holding tank, and associated air/fluid piping. The existing system was previously shut down and GEI managed the reconstruction and recommissioning activities to bring the system back to full operation. Responsible for implementing a semi-annual groundwater sampling and reporting program in compliance with Colorado Department of Public Health and Environment regulations. Performed data analysis to optimize remediation system and quantify LNAPL recovery rates. Provided regulatory compliance reporting and develop a path forward to regulatory closure.

Underground Storage Tank Removal/Closure, Inverness Water & Sanitation District, Englewood, CO. Served as Project Geologist. Performed field oversight and closure assessment activities for the removal of a 1,000-gallon underground storage tank that previously supplied diesel fuel to two onsite emergency generators. Identified a suspected release during removal activities that was later confirmed with laboratory data. Performed a more extensive site characterization including soil borings and groundwater sampling in compliance with the Colorado Division of Oil

EDUCATION

M.S., Geology, Northern Arizona University
B.S., Biology/Geology, Union College

EXPERIENCE IN THE INDUSTRY

13 years

EXPERIENCE WITH GEI

13 years

REGISTRATIONS AND LICENSES

Professional Geologist
NE No. G-0378,
WY No. PG-3929,
CA No. PG-9276

CERTIFICATIONS

40-Hour OSHA HAZWOPER
Adult First Aid-CPR-AED

PROFESSIONAL ASSOCIATIONS

Geological Society of America, Member
Rocky Mountain Association of Environmental
Professionals, Board Member
Rocky Mountain Association of Geologists,
Member
American Association of Petroleum Geologists,
Member



and Public Safety (OPS) regulations. Led the preparation of the site characterization report and achieved a determination of no further action based on delineation and risk assessment activities. Prepared reimbursement application for the client to recover a portion of the site assessment cost from the OPS Petroleum Storage Tank Fund.

Leaking Underground Storage Tank Site Characterization, 9005 Colfax, LLC, Aurora, CO. Project Geologist responsible for directing and performing the site characterization investigation at a former gas station located on east Colfax Avenue. Supported development of the site investigation plans in accordance with Oil and Public Safety (OPS) guidelines and performed the field work including drilling, soil sampling, and groundwater sampling. Prepared a site characterization report including conceptual site model, exposure pathway assessment, and recommendations for future site activities. Helped prepare the application for reimbursement of eligible costs from the OPS Petroleum Storage Tank Fund.

Conduit 94 – 2017 Replacements Project Soil and Groundwater Assessment and Characterization, Denver Water, Denver, CO. Performed soil and groundwater assessments for three drinking water pipeline conduit replacement locations in Northwest Denver. Delivered a report documenting the soil conditions, groundwater depth and environmental quality, estimated potential inflow rates during construction dewatering, impacts on discharge permitting, construction considerations, and potential methods of treatment during construction. Worked with the Colorado Department of Public Health and Environment water quality construction permitting office to confirm the analytical parameters in accordance with the Application for Construction Dewatering General Permit.

Guaranty Bank Building-Denver Phase I Environmental Site Assessment, Zeller Realty Group, Denver, CO. Served as Project Geologist. Performed a Phase I Environmental Site Assessment in accordance with ASTM standards for a 13-story office building and 9-story parking garage structure in downtown Denver. Obtained relevant documentation from local public and private agencies, performed a site visit, interviewed current owners, and prepared a final report.

Geotechnical and Water Resource Engineering

Debetz Pit Engineering Services, Adams County Parks, Brighton, CO. Served as Staff Geologist. Project involves the partial reclamation of a gravel pit pond to augment out-of-priority groundwater evaporations. Duties included preparation of a County conditional use permit, stormwater management plan, and a technical revision to the mine reclamation plan. Additional work included preparation of a construction work plan and site operations plan that provides long-term stability, reduces augmentation requirements, complies with permitting criteria of all regulatory agencies, utilizes Public Works personnel and equipment, and balances the desires of all stakeholders.

Upper Beaver Brook Dam Spillway Improvements, Lookout Mountain Water District, Evergreen, CO. Served as Resident Project Engineer. Managed the construction and oversight of a new 3-cycle concrete labyrinth weir spillway installed at the Upper Beaver Brook Dam. Responsible for inspecting contractor work, ensuring quality control, managing schedule, reviewing submittals, preparing daily reports and technical memos, and communicating with the project team and State Dam Safety Division. Construction tasks included rock excavation by blasting, foundation preparation, grout curtain construction, rock anchors, winter concrete placement, and underwater dive work to improve the existing outlet works. Worked closely with the contractor, project owner, and State Dam Safety Division to address construction challenges and implement engineering solutions with minimal impact to the project budget and schedule.

Slope Stability Investigation and Stabilization Design, Laramie Energy, Collbran, CO. Served as Project Geologist. Performed geotechnical drilling, sampling, and analysis of an active landslide (creep) to assess slope stability in support of oil and gas drilling operations. Installed piezometers and modified slope inclinometers and collected extensive soil samples for geotechnical analysis. Responded quickly to client needs to turn around the site investigation, analysis, design, and completion of a slope stability remediation system within 3 months. Worked closely with the client and GEI engineers to develop a slope stability design that provided an acceptable factor of safety and was readily constructible to meet tight drilling deadlines.



Michael L. DeBraske, P.E.
Senior Project Engineer

Michael DeBraske has diverse engineering and environmental consulting experience with emphasis in environmental due diligence, environmental compliance, brownfield redevelopment, noise impact assessment, and remedial investigation and design. Mike has primarily served attorney, banking, manufacturing, and state and local government clients in Wisconsin; however, he has completed or managed projects in over 20 States. Mike has assisted industrial clients and local units of government with securing and managing State and Federal grant funding for redevelopment of brownfield properties, completed several hundred Phase I and Phase II Environmental Site Assessments (ESAs), and completed dozens of remedial investigations, remedial actions, case closures, and environmental contingency plans.

PROJECT EXPERIENCE

Environmental Due Diligence

BMO Harris Bank, N.A., Multiple Sites and States. Served as Account Manager and completed, managed, and/or provided quality control review between of several hundred Phase I and Phase II ESAs of agricultural, residential, commercial, and industrial properties in IA, IL, IN, MI, MN, and WI. Provided support for evaluation of stressed assets through coordination of asbestos building surveys, assistance with State and Federal Lender Liability Exemption programs, and development of probabilistic costs for follow-up site investigation, remediation, and regulatory case closure. Facilitated the sale of properties following foreclosure through evaluation of potential cleanup and Brownfield redevelopment funding that may be available to purchasers.

City of Green Bay, Green Bay Community Shelter, Green Bay, WI. Served as Project Manager and conducted pre-acquisition Phase I and Phase II ESAs, and a post-acquisition site investigation of a petroleum UST release at an underutilized commercial site earmarked for redevelopment. Included the completion of an asbestos building survey and coordination, construction oversight, and documentation of the excavation and offsite disposal of impacted soil. Successfully obtained risk-based regulatory closure from the WDNR and \$60K of remediation cost reimbursement for the client through Wisconsin's Petroleum Environmental Cleanup Fund Act (PECFA) program, which facilitated redevelopment of the site into a community shelter.

Kaukauna Utilities, Kaukauna Utilities Garage, Kaukauna, WI. Served as Project Engineer and assisted a public utility with redevelopment of a blighted, former automobile salvage yard into a multi-functional office, warehouse, and maintenance facility. Completed Phase I and Phase II ESAs, a site investigation to determine the degree and extent of polychlorinated biphenyl (PCB), polycyclic aromatic hydrocarbon (PAH), volatile organic compound (VOC), and heavy metal impacts; an asbestos building survey; a hazardous and non-hazardous waste management plan; coordination, construction oversight, and documentation of the excavation, onsite management, and offsite disposal of solid and



EDUCATION

M.S., Civil Engineering, Michigan Technological University

B.S., Environmental Engineering, Michigan Technological University

EXPERIENCE IN THE INDUSTRY

23 years

EXPERIENCE WITH GEI

10 year(s)

REGISTRATIONS AND LICENSES

Professional Engineer, WI No. 35086-6

CERTIFICATIONS

40-Hour OSHA HAZWOPER



hazardous wastes; and successful risk-based closure submittal to the WDNR. Assisted with preparation of successful Brownfield assessment and redevelopment grant applications, including Wisconsin Department of Commerce (Commerce) Brownfield, WDNR Green Space and Public Facilities, and WDNR Ready for Reuse, which resulted in the award of over \$150,000 to the redevelopment project.

Wisconsin Department of Transportation, WI. Served as Project Manager or Project Engineer and assisted WisDOT Bureau of Equity and Environmental Services (BEES), roadway design firms serving WisDOT, and LUG teaming with WisDOT, with due diligence for property acquisition and planned construction projects and construction oversight and documentation for Phase 4 contaminated soil and groundwater management during construction. Included completion of dozens of Phase 1 Hazardous Material Assessments (HMAs) for individual properties and multi-mile corridors comprised of agricultural, commercial, industrial, and residential land use areas; Phase 2, 2.5 and 3 Subsurface Investigations (SIs) to determine degree and extent of environmental impacts present; Contract Special Provisions (CSPs) for use by contractors in managing solid and hazardous wastes generated during construction activities; and Phase 4 Hazardous Material Management (HMM) during construction. A few examples include:

- Phase I HMA - STH 13, Ashland Co.
- Phase I HMA - STH 22, Waushara Co.
- Phase I HMA - USH 8/STH 47, Oneida Co.
- Phase I HMA - STH 89, Columbia Co.
- Phase I HMA - STH 26, Fond du Lac Co.
- Phase I HMA - STH 26/67, Dodge Co.
- Phase 2/2.5 SI & CSPs - STH 89, Jefferson Co.
- Phase 2/2.5 SI & CSPs - STH 28/67, Dodge Co.
- Phase 2/2.5 SI & CSPs – STH 89, Jefferson Co.
- Phase 2/2.5 SI & CSPs – USH 8/STH 47, Oneida Co.
- Phase 2/2.5 SI & CSPs – STH 441, Outagamie Co.
- Phase 2/2.5 SI & CSPs – North Ave, Sheboygan Co.
- Phase 2/2.5 SI & CSPs – W. National Ave, Milwaukee Co.
- Phase 4 HMM – STH 22, Waushara Co
- Phase 4 HMM – STH 22, Waushara Co
- Phase 4 HMM – STH 22, Waushara Co.

Confidential Client, Former Foundry, Wauwatosa, WI. Served as Project Manager and completed pre-acquisition Phase I and Phase II ESAs of an approximately 15-acre site developed with an approximately 200,000-square-foot, idle zinc and aluminum die casting facility proposed for redevelopment by a national retailer. Following acquisition, assisted with preparation of a 40 CFR 761(c) application to gain approval from US EPA Region 5 for the risk-based assessment and demolition plan for the former die cast building under TSCA rules and served as Project Engineer on team that completed a pre-demolition hazardous building materials assessment to characterize various building materials, including oil- and solvent-stained concrete floors and walls, as TSCA, hazardous, non-TSCA, and non-hazardous wastes. Assisted with completion of a NR 716 Site Investigation to define the degree and extent of PCB, PAH, and/or chlorinated solvent impacts to soil, soil vapor, and groundwater and assisted with documentation of the proper management of PCB-impacted building materials and the remediation of chlorinated VOCs and PCBs in soil and groundwater and VOCs in soil vapor. Remediation included in-situ oxidation and sub-slab depressurization system to address VOC contamination, and spatial statistical sampling to target VOC and PCB source zone remediation. Assisted with preparation of the NR 716 Site Investigation and NR 722 Remedial Action Options reports and the NR 726 case closure request, which lead to WDNR closure of the regulatory case in 2018.

Pierce Manufacturing, Former Manufacturing Facility, Appleton, WI. Prepared a Remedial Action Documentation Report, Case Closure Request, and request for a Voluntary Party Liability Exemption (VPLE) Certificate of Completion for a vacant industrial site that was previously occupied by a large industrial facility used for manufacturing of fire apparatus and emergency response vehicles. Successfully demonstrated that sufficient assessment and remediation, through source removal and capping, was completed to substantially reduce the potential risk to human health and the environment from residual contamination, resulting in WDNR issuance of a Certificate of Completion.

PUBLICATIONS

"Adsorption Equilibrium Modeling of Space Station Wastewaters," Hand, D.W., A.N. Ali, J.L. Bulloch, M.L. DeBraske, J.C. Crittenden, and D.R. Hoakanson, ASCE Journal of Environmental Engineering, 1999.

