

ALKALI CREEK BRIDGE REPLACEMENT PROJECT
Montezuma County, Colorado
(CDOT 22521, BRO C320-004)

Modified Environmental Site Assessment

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LIST OF ACRONYMS

ACM	Asbestos Containing Materials
AMSD	Approximate Minimum Search Distance
AMSL	Above Mean Sea Level
AST	Above Ground Storage Tank
ASTM	American Society for Testing and Materials
CAA	Clean Air Act
CCR	Code of Colorado Regulations
CDOT	Colorado Department of Transportation
CDPHE	Colorado Department of Public Health and Environment
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERCLIS	Comprehensive Environmental Response, Compensation, & Liability Information System
CFC	Chlorofluorocarbons
CFR	Code of Federal Regulations
COGCC	Colorado Oil and Gas Conservation Commission
CORRACTS	Corrective Action Report
COSTIS	Colorado Storage Tank Information System
CREC	Conditional Recognized Environmental Condition
DOPS	Division of Oil and Public Safety
DWR	Division of Water Resources
EIS	Environmental Impact Statement
ERNS	Federal Emergency Response Notification System
ESA	Environmental Site Assessment
FHWA	Federal Highway Administration
FINDS	Facility Index System
GIS	Geographic Information Science
HMIRS	Hazardous Materials Incident Report System

HMWMD	Hazardous Materials Waste Management Division
HVAC	Heating, Ventilation and Air Conditioning
ISA	Initial Site Assessment
LUST	Leaking Underground Storage Tank
MESA	Modified Environmental Site Assessment
mg/kg	Milligrams per kilogram
MMP	Materials Management Plan
MTBE	Methyl tert-butyl ether
NEPA	National Environmental Protection Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NFA	No Further Action
NFRAP	CERCLIS No Further Remedial Action Planned
NMDOT	New Mexico Department of Transportation
NPL	National Priorities List
NRCS	Natural Resource Conservation Service
OPS	Colorado Department of Labor and Employment Division of Oil and Public Safety
OSHA	Occupational Safety and Health Administration
PCB	Polychlorinated biphenyl
PCE	Perchloroethylene
PPB	Parts per billion
PPM	Parts per million
PG	Professional Geologist
PSI	Preliminary Site Investigation
RBSL	Risk-based Screening Levels
RCRA	Resource Conservation and Recovery Act
RCRIS	Resource Conservation and Recovery Information System
RCRA LQG	Resource Conservation and Recovery Act Large Quantity Generator

RCRA SQG	Resource Conservation and Recovery Act Small Quantity Generator
RCRA TSD	Resource Conservation and Recovery Act Transportation, Storage, and Disposal Facility
REC	Recognized Environmental Condition
RI/FS	Remedial Investigation/Feasibility Study
SME	SME Environmental, Inc.
TCE	Trichloroethylene
TSCA	Toxic Substances Control Act
TSD RCRA	Treatment, Storage, or Disposal Facility
µg/L	Micrograms per Liter
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
UST	Underground Storage Tank
VCUP	Voluntary Cleanup Program
WQCC	Water Quality Control Commission

1.0 INTRODUCTION

In accordance with the National Environmental Policy Act of 1969 (NEPA) and its related regulations, the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA), in cooperation with the Colorado Department of Transportation (CDOT), are preparing a Categorical Exclusion (CatEx) for the Alkali Bridge Replacement Project. SME Environmental Consultants, Inc. (SME), acting on behalf of CDOT, Montezuma County and Bechtolt Engineering, conducted a Modified Environmental Site Assessment (MESA) in support of the Categorical Exclusion (CatEx).

Highway corridors generally consist of areas where light industrial and commercial businesses historically or currently operate. These types of businesses, such as gasoline service stations, automotive repair facilities, and larger truck stop establishments, typically use underground storage tanks (UST) or aboveground storage tanks (AST) to store petroleum products, waste oil, and/or other hazardous materials. Such facilities are also often regulated based on their current hazardous waste generation management activities. Consequently, areas with light industrial and commercial use present a risk of having the presence of soil and groundwater contamination as the result of past spills or releases of hazardous substances, including petroleum products. Other typical hazardous material concerns associated with transportation projects include the presence of lead-based paint or asbestos-containing materials on highway structures or within older buildings (pre-1980) that will be demolished during right-of-way acquisition.

The objective of the MESA is to provide the information needed for planning efforts related to properties (sites) within the project area that pose a potential risk of environmental contamination from hazardous materials. A thorough assessment and investigation of properties within the project area for past or present soils and/or groundwater contamination is an integral component of the planning process. These planning efforts include right-of-way acquisition costs and property appraisals, options for owner-funded site remediation prior to CDOT acquisition, property avoidance, and planning for engineering options to minimize the necessary remediation and treatment of residual hazardous materials.

Due to their contaminated nature, hazardous materials require specific materials management, handling, worker health and safety, and disposal practices. In the case that contamination of soils and/or groundwater is suspected, avoidance or mitigation measures can be implemented when reasonably possible. Encountering soil and groundwater contamination during the construction process without prior knowledge of contamination has the potential to affect the project in terms of mitigation, cost, schedule, and project personnel health and safety issues.

This MESA has been prepared with a level of detail appropriate for the development and screen of design alternatives for the Alkali Bridge Replacement Project. In certain cases, potential environmental conditions or recognized environmental conditions, which are further defined in **Section 1.3**, may be present but could not be confirmed without additional inspection or investigation, which is beyond the scope of this MESA. In this scenario it is anticipated that additional assessments and/or field investigations may be needed to assist in right-of-way acquisition and development of specific materials management or institutional controls that may be required during construction. Recommendations pertaining to additional assessment, investigation and institutional controls are provided in **Section 5.0**.

1.1 Project Description

The MESA project area consists of the project footprint for the Alkali Creek Bridge Replacement Project BRO C320-004, 22521. The project is located on Road N approximately 800 feet west of its intersection with CR 22 in Township 35 North, Range 8 West, NE¼NE¼, NW¼NE¼ SE¼NE¼ Section 7, Montezuma County, Colorado. The limits of the project are depicted on **Figure 1: Appendix D**.

The purpose of the project is to replace the current bridge over Alkali Creek and construct roadway improvements to County Road N.

1.2 Guidance Modifications and Limitations

This MESA report was prepared for Montezuma County for their sole use and reliance. Reliance on this report by any other person(s) or entity(ies) is strictly at their own risk, and SME makes no warranties to person(s) or entity(ies) other than to Montezuma County who use the information provided in this report. If any other person(s) or entity(ies) wish to rely on this report, SME will require such parties agree to our contract terms in writing. SME performed this work for the sole purpose of assisting in the identification or potential and recognized environmental conditions, as defined in **Section 1.3**, associated with properties with the project area. The scope of work commissioned for this project does not represent an exhaustive study, but rather a reasonable inquiry consistent with CDOT Hazardous Materials Guidance (Colorado Department of Transportation, 2018), as modified from the American Society for Testing and Materials (ASTM) Designation E 1527-13, “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process” (ASTM International, 2013) and U.S. Environmental Protection Agency (USEPA) Standards and Practices for All Appropriate Inquiries [40 Code of Federal Regulations (CFR) Part 312].

Any findings and recommendations presented in this report are geared specifically to address the issues regarding hazardous materials that would affect the planning and design of the construction project. This MESA has been prepared with a level of detail appropriate for the Alkali Bridge Replacement Project NEPA documentation and identifies sites with potential and recognized environmental conditions associated with the project area. The terms “sites with potential environmental conditions” and “sites with recognized environmental conditions” are defined in **Section 1.3**.

SME assessment and findings present herein are based upon observation of current conditions within the project area and a review of readily available standard historical sources and environmental agency databases. Modifications to the standard Phase I Environmental Site Assessment process include:

- SME assessment did not include interviews of current and/or past owners and occupants or properties located within the project area.
- SME assessment did not include a search for environmental cleanup liens.
- SME visual site assessment was limited to areas visible from public right-of-way and did not include access to fenced-in areas, interiors of buildings, rear lots (alley side portion of adjacent sites), or areas not visible from public right-of-way.
- This assessment did not attempt to detect the presence of potential environmental contamination that may exist in areas that could not be visually inspected.

The agency data screening is only as accurate as the Environmental Data Resources Report mapping.

This MESA was non-intrusive. Sampling of soils, groundwater, and/or surface waters was beyond the scope of this MESA. Other environmental liabilities to a property owner, such as identifying the presence of asbestos-containing materials, radon, or lead-based paint were also beyond the scope of investigation for this MESA. The presence or absence of such conditions cannot be confirmed without additional investigation.

This MESA report does not guarantee that no contamination exists on sites within the project area beyond that described at the time of writing this report. Therefore, conclusions presented herein are not necessarily indicative of future conditions or operating practices surrounding the project area. No warranties, expressed or implied, are made. All conclusions and recommendations represent the professional opinions of the SME personnel involved with the MESA and the results should not be considered a legal interpretation of existing environmental conditions.

1.3 Terminology

This section provides a brief explanation of some of the common terminology utilized within the MESA report.

- **Hazardous Materials:** The term “hazardous materials” is an all-inclusive term for materials that are regulated as solid waste, hazardous waste, and other wastes contaminated with hazardous substances, radioactive materials, petroleum fuels, toxic substances, and pollutants.
- **Sites with Recognized Environmental Conditions:** For this MESA report, sites within the project area were identified as having recognized environmental conditions. Recognized environmental conditions, as defined by ASTM, include sites with “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property” (ASTM International, 2013).
- **Sites with Potential Environmental Conditions:** Sites identified within the project area as having potential environmental conditions (e.g. evidence of storage, handling, or disposal of hazardous materials) during site reconnaissance and historical review activities that could not be confirmed without additional inspection or investigation are distinguished in this report as sites with potential environmental conditions.

1.4 Methodology

A methodology was prepared for this MESA based on CDOT hazardous materials guidance (Colorado Department of Transportation, 2018) as modified from the ASTM Designation E 1527-13, “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process” (ASTM International, 2013) and USEPA Standards and Practices for All Appropriate Inquiries [40 CFR Part 312]. Modifications to this guidance are presented in **Section 1.2**.

The methodology used to identify sites with recognized or potential environmental conditions within the project area included the following steps:

- Performance of a limited site reconnaissance (“windshield survey”) of properties within the project area from public right-of-way to identify current site activities and potential contamination sources adjacent to the project corridors.
- Review of readily available standard historical sources, including aerial photographs, U.S. Geological Survey (USGS) topographic maps, and Sanborn Maps to identify historical land uses within the project area.
- Contracting Environmental Data Resources (EDR) to conduct a regulatory database search of readily available local, state, tribal, and federal environmental agency databases for sites with potential or recognized environmental conditions up to 1.25 mile from the project area, as advised by CDOT hazardous materials guidance (Colorado Department of Transportation, 2018) and modified from the ASTM Designation E 1527-13, “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process” (ASTM International, 2013). The specific search distances used were equal to or greater than the ASTM E1527-13 approximate minimum search distances and are described in detail in **Table 4.1** and the complete EDR report is included in Appendix A.
- Screening of sites identified in the regulatory databases are based on distance from the proposed right-of-way, known environmental site conditions, and, in certain cases, groundwater flow direction. Appendix B summarizes the results of the screening process.
- Search for and, if applicable, review of previous CDOT, Colorado Department of Public Health and Environment (CDPHE), Colorado Department of Labor and Employment Division of Oil and Public Safety (OPS) records, and other available records from local, state, and federal agencies regarding properties with recognized environmental conditions within the project area.
- Identification of properties within the project area requiring additional evaluation or investigation to assist in project design, specific-materials management/institutional controls that may be required during construction, or the right-of-way acquisition process, if full acquisition is necessary.

1.5 Environmental Setting

The site is located on Road N near its intersection with Road 22 at the crossing of Alkali Creek in Montezuma County, Colorado (**Figure 1**) at an elevation of approximately 6,172 feet (ft) above mean sea level (AMSL). The site measures 11.2 acres and occupies parts of the NE¼NE¼, NW¼NE¼, and SE¼NE¼ of Section 7 of Township 36 North, Range 16 East. The land use in the area generally consists of agriculture and residential. Montezuma County is generally arid, with 16 inches of rain and 63 inches of snow on average per year, with an annual average of precipitation 74 days per year (BestPlaces, n.d.). A topographic map with the location of the *target property* depicted is provided as **Figure 1: Appendix D**.

1.6 Geology

1.6.1 Geologic Setting and Lithology

The site lies in the McElmo Dome area at the southeastern edge of the Paradox Basin, an elongate northwest-southeast trending structural basin north of the igneous intrusion of Sleeping Ute Mountain west of Cortez, Colorado. McElmo Dome is a structural feature approximately 203,000 acres in size, asymmetric with a gentler dip to the north and steeper dip to the south. It is one of the largest natural sources of CO₂ in the world, which has been produced since the 1980s from the Mississippian Leadville Limestone at depths ranging from 6,00 to 8,400 feet (Gerling, 1983) (Kinder Morgan, 2014) (King, Block, Yeck, Wood, & Derouin, 2014).

The underlying bedrock lithology of the site consists of Cretaceous Dakota Sandstone, a thickly bedded quartzitic sandstone and conglomeratic sandstone with lesser amounts of thin lenticular beds of gray claystone, coal, carbonaceous shale and sandstone, and a coarse basal conglomerate. The unit averages 100 feet in thickness, and intertongues with the Mancos Shale. The surficial geology on the rims of Alkali Canyon consist of Quaternary eolian deposits, consisting of loess and unconsolidated silt and sand (Haynes, Vogel, & Wyant, 1972).

1.6.2 Soils

The U.S. Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) has mapped soils within the vicinity of the project as part of the soil mapping effort for Montezuma County. Soils underlying the *target property* consists of:

Gladel-Pulpit complex, 3 to 9 percent slopes: Fine sandy loam to silt loam. Well drained and 12 to 40 inches depth to restrictive layer. Nonsaline to very slightly saline with a moderately high to high capacity to transmit water. Parent material is Eolian deposits over residuum weathered from sandstone.

Ramper loam, 0 to 3 percent slopes: loam to sandy loam to clay loam. Well drained and more than 80 inches to restrictive layer. Very slightly to moderately saline with moderately high capacity to transmit water. Parent material is alluvium derived from sandstone and shale.

Romberg, extremely stony-Crosscan, very bouldery-Rock outcrop complex, 25 to 80 percent slopes: Very stony loam to very stony clay loam. Well drained and more than 80 inches to restrictive layer. Nonsaline to very slightly saline with a moderately high capacity to transmit water. Parent materials is Colluvium derived from sandstone and shale.

1.7 Hydrology and Hydrogeology

1.7.1 Surface Water

According to the USGS National Hydrography Dataset (NHD) and Watershed Boundary Dataset (WBD), the site is in the USGS McElmo unit Hydrologic Unit Code (HUC) 14080202 at the confluence of Alkali and Narraguinne Canyons, both of which are intermittent streams. Alkali Canyon flows southwest from the project site with eventual discharge to perennial McElmo Creek.

1.7.2 Groundwater

The principal source of recharge for aquifers in the area is precipitation as rain and snow on outcrops in the area or in nearby areas (Irwin, 1966). According to the Colorado Department of Natural Resources (DNR), the site lies in the Paradox Basin bedrock aquifer. The closest groundwater well reporting depth to water is a water well located approximately 0.4-mile to the east. In 1982, the well driller reported a static water level of 40 ft below top of casing. Groundwater flow direction is expected to mimic surface topography, generally to the south-southwest.

1.7.2.1 Bedrock Aquifers

The principal bedrock aquifers in the region are the sandstones of the Dakota Sandstone, Burro Canyon Formation, Junction Creek Sandstone, and Entrada Sandstone. Artesian conditions exist, and groundwater is confined by occurrences of shale layers. Groundwater is generally highly mineralized (Irwin, 1966).

1.7.2.2 Alluvial Aquifers

Alluvial aquifers exist in the area, but yield small amounts, are unreliable year-round, are generally less mineralized than groundwater from bedrock aquifers (Irwin, 1966). Groundwater flow direction varies within the regional project area, but generally moves downstream and toward drainages. Groundwater flow direction can also be influenced by bedrock topography, recharge and discharge area, soil and bedrock heterogeneity, and proximity to water pumping wells (Colorado Geologic Survey, 2003). Groundwater flow may also be independently influenced by water table elevations and may flow from areas with high water table elevations to areas with lower water table elevations, which may not be consistent with the direction of flow for surface water. Local groundwater conditions may be significantly influenced by the position of underlying valleys and paleochannels within the bedrock surface (Colorado Geological Survey, 2003). The direction of groundwater flow beneath the project area was beyond the scope of this MESA.

2.0 SITE RECONNAISSANCE

To obtain information indicating the presence of potential or recognized environmental conditions, a limited site reconnaissance was conducted, which consisted of a “windshield survey” of sites along the project footprint. Site reconnaissance activities were performed on July 16, 2020 by Mr. Clint Casey, staff geologist with SME. The visual inspection included the identification of current land use and observable site activities with potential contamination sources for properties located adjacent to the project corridors, such as:

- Presence of ASTs and secondary containment for spill prevention.
- Evidence of USTs, including fill ports, vent pipes, and fueling facilities.
- Disposal of solid waste, waste management practices, and general good housekeeping of waste storage/disposal areas.
- Evidence of on-site dumping and landfilling.
- Handling and storage of hazardous materials, such as the presence of 55-gallon drums, tote containers, etc.
- Presence of drains, sumps, septic systems, wastewater discharges, pits, ponds, or lagoons.

The “windshield survey” was conducted from public right-of-way. The interior of buildings, fenced areas, and rear lots (alley side portion of each site) were not inspected during the site reconnaissance. Additionally, interviews with current and/or past owners or occupants of the properties located within the project area were not conducted to limit interactions with potential acquisition owners/tenants without the presence of CDOT Right-of-Way personnel. Modifications to the ASTM E1527-13 standard guidance on site reconnaissance and project limitations are discussed in **Section 1.2**.

Site reconnaissance activities did not include the identification of pole-mounted electrical transformers or other types of equipment that have been historically associated with the use of polychlorinated biphenyls (PCBs) as a dielectric fluid coolant and stabilizer. USEPA defines PCB equipment as containing greater than 500 parts per million (ppm) PCBs; “PCB contaminated equipment” as containing 50 to 500 ppm PCBs; and “non-PCB equipment” as containing less than 50 ppm PCBs. However, any electrical equipment with no label or unknown concentration is assumed to be “PCB contaminated equipment” per USEPA regulation.

2.1 General Land Use

2.1.1 Project Location Corridor

The land use in the area generally consists of agriculture and residential. Alkali Bridge is located just downstream of the confluence of Alkali Creek and Narraguinnep Creek, two intermittent streams. Both creeks were flowing at the time of the site visit. A residence is located to the east end of the project area on the north side of Road N, and to the east end of the project area on the south side of Road N is a vacant field of sagebrush and juniper. Pasture lands adjoin the west end of the project area.

2.1.1.1 Structures, Roads and Other Improvements within the Project Area

Road N is a two-lane paved road, which descends from the west and east to Alkali Bridge, a bridge of steel construction. A pull off is located near the west end of the project area on the north side of Road N on the west bank of Alkali Creek. On the south side of Road N, on the west bank of Alkali Creek is a gravel drive to a clear and irrigated pasture downstream of the bridge.

2.1.1.2 Utilities

No utilities were observed within the project area extent.

Heating, Ventilation, and Air Conditioning (HVAC). None observed.

Natural Gas. None observed.

Electric. None observed.

Water and Wastewater. None observed.

2.1.1.3 Hazardous Substance Containers

A small oil container was observed on the southern edge of the project area and to the west of Alkali Creek during the site visit; a de minimis spill was observed beneath this container.

2.1.1.4 Storage Tanks

No vent pipes, tanks, or any other evidence of above or underground storage tanks were observed within the project area footprint.

2.1.1.5 Indications of PCBs

One pole-mount transformer was observed on the adjacent property approximately 250 feet to the east end of the project area. The transformer showed no evidence of leaks.

2.1.1.6 Land Conditions: Soil staining pits, ponds, lagoons, stressed vegetation, etc.

No pits, ponds, lagoons, or stressed vegetation was observed.

2.1.1.7 Wells, Septic Systems, Sumps, and Wastewater Discharge

No water wells, septic systems or wastewater discharges were observed.

2.1.1.8 Indications of Solid Waste Disposal

Several areas of illicit dumping were observed within the project area during the site visit. Items observed included used tires, concrete slabs, and miscellaneous trash. These areas were noted at several locations in Alkali Creek, including the bridge. No drums, barrels, containers, or any other signs of hazardous materials were noted in the dumped material from public right of way.

Other areas of exterior vehicle and equipment storage and possible dumping were noted on several adjacent properties, including a property south of Road N and west of CR 22 approximately 0.3 miles east of the project area, on a property to the northwest approximately 0.3 miles from the project area, and a property north approximately 0.5 miles from the project area. No drums, barrels, containers, or any other signs of hazardous materials were noted in the dumped material from public right of way.

3.0 HISTORICAL USE

To evaluate the past uses of the project area and identify any sites with potential environmental conditions, SME conducted a review of historic aerial photographs, USGS topographic maps, and Sanborn fire insurance maps. **Table 3.1** summarizes the historical records reviewed. The objective of the historical review is to “establish a history of the previous uses of the property and surrounding area, in order to help identify the likelihood of past uses having led to recognized environmental conditions” (ASTM International, 2013). Due to the large size of the regional study area, the historical review research was focused on establishing a generalized description of land-use over time. **Appendix C** lists sites with potential environmental conditions identified during the historical use review. **Appendix D** contains figures identifying the sites with potential environmental conditions.

Table 3.1. Summary of Historical Records Reviewed

Historical Record	Description
USGS Topographic Maps	USGS topographic maps have been prepared since the 1800s as part of the USGS mission to map the United States and survey its resources. The topographic maps show prominent and cultural features. These

Historical Record	Description
	resources are useful in identifying topographic and cultural features and site development over a period of time.
Sanborn Fire Insurance Maps	Historical fire insurance maps produced by private companies have been produced for over 100 years and include information about buildings, such as building uses and locations at specified dates.
Aerial Photographs	Aerial photographs have been collected for the continental United States since the mid- 1930s, with variable coverage and frequency (generally based upon an area's importance to national defense). Aerial photographs offer an opportunity for direct observation of site conditions through a period of time. These observations may include the locations of tanks, drums, pits, ponds, lagoons, stained/stressed vegetation, or other site development features that can indicate potential contaminant sources.

3.1 Aerial Photographs

Historical aerial imagery was obtained via a search conducted by EDR (**Appendix A**). Historical aerial photography was reviewed for the following years: 1954, 1964, 1974, 1978, 1986, 1988, 1993, 1999, 2006, 2009, and 2017. Aerial photography was not found for dates prior to 1954.

The objective of the aerial review for this MESA was to identify major land use changes and features in the project area.

The predominant historical land use of the site and surrounding area is residential and agricultural, and the area was first developed for these uses by 1954, according to a review of aerial photographs. **Table 3.2** lists summary of observations made based upon a review of aerial photographs.

Table 3.2. Summary of Aerial Photo Review

Date of Aerial Photo	Land Use Changes/Observations
1954	Road N, CR 22 constructed. Several residences and stock ponds located within 0.25-mi of site. Limited agricultural use of surrounding land and within Alkali Creek floodplain upgradient from site.
1964	No significant change.
1974	No significant change.
1978	Mesa top cleared within site boundaries.
1983	No significant change.
1988	No significant change. Poor resolution.

Date of Aerial Photo	Land Use Changes/Observations
1993	Residence constructed adjacent to site boundaries. Additional structures constructed along Road N, CR 21.7 constructed north and upgradient of the site.
1999	Poor resolution.
2006	Residence constructed in Narraguinnep Creek upgradient from site.
2009	No significant change.
2017	No significant change.

3.2 Historical Topographic Maps

SME reviewed available historical USGS topographic maps for the areas surrounding the project footprint. The dates of the topographic maps ranged from 1952 to 2013. **Table 3.3** lists summary of observations made based upon a review of historical topographic maps.

Table 3.3. Summary of Historical Topographic Map Review

Date	Scale	Description
1952	1:250,000	US 160, Road N and CR 22 constructed. No other manmade features within 1.25 miles of site.
1965	1:24,000	Several dwellings constructed within 0.25-mile of site. Orchards within 0.75-mile. Lone Pine Lateral Siphon (irrigation ditch) constructed approx. 0.4-mile south and downgradient of site. Several small dammed ponds on tributaries of Alkali and Narraguinnep Cyns.
1982	1:100:000	Ancillary road constructed off CR N within 0.75-mile and upgradient of site.
1994	1:24:000	Additional dwellings and dammed ponds constructed.
2013	1:24,000	CR 21.7 constructed north and upgradient from site.

3.3 Sanborn Fire Insurance Maps

SME contracted Environmental Data Resources to conduct a search for Historical Sanborn Fire Insurance maps for the areas surrounding the project footprint. However, none were available (**Appendix A**).

4.0 DATABASE SEARCH AND SITE SCREENING

SME contracted Environmental Data Resources to conduct a database search of local, state, tribal, and federal environmental records for information relating to sites extending up to 1.25 miles from the project areas, as dictated by the ASTM Standard E1527-13. Database records searched prior to the implementation of the United States Environmental Protection Association (USEPA) All Appropriate Inquiry rule (i.e. data collected prior to 2006) included federal, state, and local records/sources, while data collected beginning in 2006 also included a search of tribal records. The EDR reports are located in

Appendix A. Table 4.1 includes a description of each database searched and the approximate minimum search distances.

Table 4.1. Database Description and Approximate Minimum Search Distances.

Database	AMSD* (mile)
Federal National Priorities List site list (NPL) - USEPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund Program.	1.25
Federal Delisted NPL Site List.	0.75
Federal Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) and Federal CERCLIS No Further Remedial Action Planned (NFRAP) site list - Compilation by the USEPA of sites at which the potential exists for contamination originating from on-site hazardous substance storage or disposal. Sites designated as CECLIS NFRAP indicate that No Further Remedial Action is Planned.	0.75
Federal RCRA Corrective Action (CORRACTS) facilities list - Sites identified as needing Corrective Action after a release of a hazardous waste or constituent into the environment from a RCRA facility.	0.75
Federal Resource Conservation and Recovery Act (RCRA) treatment, storage, or disposal (TSD) facilities - RCRA permitted TSD facilities.	0.75
Federal Resource Conservation and Recovery Act (RCRA) generators list - Facilities that are regulated based on current hazardous waste generation management activities.	0.25
Federal/State Emergency Response Notification System (ERNS) List - Database of public complaints and reports of unverified releases or incidents.	0.25
State and tribal- equivalent NPL.	1.25
State and tribal-equivalent CERCLIS.	0.75
State and tribal landfill (LF) and/or solid waste disposal (SWF) site lists – Inventory of solid waste and landfill facilities.	0.75
State and tribal leaking storage tank lists (LUST) - List of closed or unremediated reported LUSTs and CO Trust list – List of all complaint sites where there is no known responsible party.	0.75
State and tribal registered storage tank lists - Above Ground Storage Tank (AST)/Underground Storage Tank (UST) - List of sites that registered the presence of ASTs/USTs with the Colorado Department of Labor and Employment Division of Oil and Public Safety (OPS).	0.25
State and tribal voluntary cleanup (VCUP) sites - Sites being addressed under the Colorado Department of Public Health and Environment (CDPHE).	0.75
State and Tribal Brownfield Sites.	0.75
Drycleaners	0.75

**Approximate Minimum Search Distances varied for each corridor. The distance listed in this table represents the greatest distance search for each database. The specific search distances used were equal to or greater than the E1527-13 AMSDs. Colorado Division of Natural Resources Office of Water Resources Registered Well database was not searched.*

4.1 Site Screening

No mapped sites were identified in the Environmental Data Resources database record search (**Appendix A**).

Several of the observations from the site visit were reviewed to determine which sites would potentially have the presence of contamination (existing or residual) from hazardous materials and could have an adverse impact on the project alternatives. The screening process consisted of identifying sites observed during the site visit that lie within 1,500 feet of the proposed project right-of-way. Sites were identified as being less than 100 feet, 100 to 500 feet, 500 to 1,000 feet, or 1,000 to 1,500 feet of the project footprint.

The sites were then ranked with a high, medium, or low designation based on the distance from the project footprint and the type of site. The site ranking categories are defined as:

Low: Sites with minimal indications of an existing release, past release, or material threat of a release of any hazardous substances or petroleum products into the ground (soil), groundwater, or surface water. Examples include residential sites or commercial sites with activities that do not require the use of hazardous substances or petroleum products (>55 gallons/year), Resource Conservation and Recovery Information System (RCRIS) database hazardous waste generators with no reported violations, facilities with ASTs/USTs with no reported leaks or spills, and sites reported on the Facility Index System (FINDS).

Medium: Sites with moderate indications of an existing release, past release, or material threat of a release of any hazardous substances or petroleum products into the ground (soil), groundwater, or surface water. Examples include, RCRA hazardous waste generators with reported violations, sites reported on the Emergency Response Notification System (ERNS) list, and facilities with leaking underground storage tanks (LUSTs).

High: Sites with indications of a known existing or past release of any hazardous substances or petroleum products into the ground (soil), groundwater, or surface water and the possibility for large-scale migration from the contaminant source. Examples include sites listed on the National Priority List (NPL) or Superfund, sites included on the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), RCRA permitted treatment, storage, or disposal (TSD) facilities, RCRA Corrective Action Sites (CORRACTS), sites in the Colorado Voluntary Cleanup program (VCUP), and State active and historical solid waste landfills.

No Environmental Data Resources sites were identified within 1,500 feet of the project alternatives and no sites are listed as having a potential impact on the project (**Appendix A**).

A detailed records review was conducted for the sites within 100 feet of the project footprint with a medium and high ranking, sites within 100 feet to 500 feet of the project footprint with a medium and

high ranking, and sites from 500 to 1,000 feet of the project footprint with a high ranking (Table 4.2). Sites identified in the Environmental Data Resources report located greater than 1,000 feet from the project footprint were judged relatively unlikely to have impacts on project activities . EDR did not identify any sites for the study area.

Table 4.2. Summary of Site Screening

Distance from Proposed Project ROW	<100 ft	0	0	0
	100 ft to 500 ft	0	0	0
	500 ft to 1,000 ft	0	0	0
	>1,000 ft	0	0	0
		LOW	MEDIUM	HIGH
Environmental Condition Classification				

	Detailed Records Review Recommended
	Not Recommended for Detailed Records Review

All sites selected for detailed review, as noted in Table 4.2 above, are listed in **Appendix B**.

4.2 Detailed Records Review

The objective of the detailed records review was to examine available information regarding the extent of any known impacts from hazardous materials to soil, groundwater, and surface water associated with sites within the project area. The detailed review consisted of researching available CDPHE or OPS records for information concerning properties with potential or recognized environmental conditions in the project area.

No LUST sites were observed. A LUST site is defined as closed/clean up complete when “the owner and/or operator has not necessarily removed all contamination, but instead actions taken have met the criteria that the state uses for determining adequate clean up.” An OPS no further action (NFA)/closure letter states that any contamination levels on-site are below state cleanup levels, and that no further investigation or remedial action was required at the time the letter was issued.

Although a LUST site may be closed, residual soil and groundwater contamination may present a concern for worker health and safety and materials management.

Table 4.3 summarizes the CDPHE and OPS soil and groundwater standards that are referenced in the following sections.

Table 4.3. Summary of Soil and Groundwater Standards*

Constituent	Groundwater		Soil		
	CGSs ¹	RBSLs ²	RBSLs ²		
			Subsurface Soil	Surficial Soil	
			Residential	Industrial	
Benzene	5.0 µg/l	5 µg/l	0.26 mg/kg	2.8 mg/kg	6.8 mg/kg
Cis-1,2-Dichloroethene (also called dichloroethylene)	70 µg/l	--	--	--	--
Ethylbenzene	700 µg/l	700 µg/l	190 mg/kg	2,100 mg/kg	16,000 mg/kg
Methyl tertiary-butyl ether (MTBE)	--	20 µg/l	--	--	--
Perchloroethylene (PCE) (also known as tetrachloroethylene)	5 µg/l	--	--	--	--
Toluene	1,000 µg/l	1,000 µg/l	140 mg/kg	4,000 mg/kg	31,000 mg/kg
Trichloroethylene (TCE)	5 µg/l	--	--	--	--
Xylenes (total)	1,400 to 10,000 µg/l	1,400 µg/l	260 mg/kg	--	--
1,2 Dichloroethane	0.38 to 5 µg/l	--	--	--	--
Barium (dissolved) ³	2.0 mg/l	--	--	--	--
Cadmium (dissolved) ³	0.005 mg/l	--	--	--	--
Chromium (dissolved) ³	0.1 mg/l	--	--	--	--
Lead (dissolved) ³	0.05 mg/l	--	--	--	--
Mercury (dissolved) ³	0.002 mg/l	--	--	--	--
Total petroleum hydrocarbons (TPH)	--	--	500 mk/kg	500 mg/kg	

CGSs – Colorado Basic Standards for Groundwater
RBSLs – Risk-Based Screening Levels
µg/l – micrograms per liter
mg/l – milligrams per liter
mg/kg – milligrams per kilogram
References:

MTBE – methyl tertiary-butyl ether
PCE – perchloroethylene
TCE – trichloroethylene
TPH – total petroleum hydrocarbons

- (1) Groundwater Organic Chemical Standards from Colorado Department of Public Health and Environment Water Quality Control Commission. 2005. 5 CCR 1002- 41, Regulation No. 41. The Basic Standards for Groundwater. Amended November 8, 2004. Effective March 22, 2005.
- (2) Tier I Risk-Based Screening Levels (RBSLs) from Colorado Department of Labor and Employment Division of Oil and Public Safety (OPS). 2005. Petroleum Storage Tank Owner/Operator Guidance Document. Effective February 1999. Revised October.
- (3) Domestic Water Supply – Human Health Standards from Colorado Department of Public Health and 02- 41, Regulation No. 41. The Basic Amended November 8, 2004. Effective March 22, 2005.

*Source: CDOT Hazardous Materials Guidance Manual (Colorado Department of Transportation, 2018).

The following sections summarize the findings of the detailed review of sites with potential and recognized environmental conditions identified within the project area.

No site was discovered that required a detailed records review.

Table 4.4. Additional Sites with Recognized Environmental Conditions

Location	Use/Contents	Environmental Concern
In project area	Bridge structure	Bridge Structure contains paint that is suspected of containing lead.

4.3 Additional Corridor-Wide Issues of Concern

4.3.1 Lead-Based Paint

Lead is a hazardous substance that potentially exists on bridges within the project area, particularly if they were constructed prior to 1980. Several federal statutes regulate lead as either a hazardous substance, hazardous waste, toxic substance, or air contaminant. These regulations include the RCRA, Comprehensive, Environmental, Response, Compensation, and Liability Act (CERCLA), Toxic Substances Control Act (TSCA), and the Clean Air Act (CAA), under the National Emission Standards for Hazardous Air Pollutants (NESHAP) program. Due to the potential negative health impacts associated with lead exposure, the presence of lead-based paint presents a worker health and safety concern. Project personnel can be exposed to the toxic effects of lead through inhalation or ingestion of lead paint chips, dust, or debris during construction or materials management activities. Consequently, for purposes of this MESA, highway and railroad structures within the project area have been identified as sites with potential environmental conditions due to the potential presence of lead-based or heavy metals-based paint, particularly if they were constructed prior to 1980, when lead-based paints were widely used. Conducting a survey to determine the presence or absence of lead-based paint was beyond the scope of this MESA. However, the construction of the bridge occurred prior to 1980 and the green paint observed on bridge structures may contain lead paint.

4.3.2 Asbestos

Asbestos is a toxic substance that may exist on highway and railroad structures and buildings within the project area, particularly if they were constructed prior to 1980. Asbestos is regulated under the federal TSCA and CAA and presents a worker health and safety concern due to the potential negative health impacts associated with inhalation of asbestos fibers. Consequently, for purposes of this MESA, highway and railroad structures within the project area have been identified as sites with potential environmental conditions due to the potential presence of asbestos. Conducting a survey to determine the presence or absence of asbestos was beyond the scope of this MESA and no suspect Asbestos containing material was observed within the project area.

4.3.3 Oil and Gas Facilities

On July 17, 2020, SME conducted a site screening to determine the number of oil and gas facilities, including oil and gas wells, which could have potential impacts on project construction activities. The potential exists for subsurface releases or gas exploration, development, and production wastes (i.e. drilling fluids) and petroleum or gas products into surrounding soils and groundwater; however, these

releases may not be directly visible/observable at the oil and gas facilities, or along the associated gathering and transmission pipeline. As a result, all oil and gas facilities/associated transmission lines that may be impacted or disturbed constitute a site with potential environmental conditions.

No oil and gas facilities (existing and planned) were identified in the project area at the time of this assessment.

5.0 FINDINGS AND RECOMMENDATIONS

SME performed this MESA based on CDOT hazardous materials guidance (CDOT EPB, 2005; CDOT, 2006) as modified from the ASTM Designation E 1527-13, “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process” (ASTM, 2013) and USEPA Standards and Practices for All Appropriate Inquiries [40 CFR Part 312] (EPA, 2005). Modifications to this guidance are presented in **Section 1.2**. Any findings and recommendations presented in this report are geared specifically to address the issues regarding hazardous material that would affect a project planning, design, and construction project. This MESA has been prepared with a level of detail appropriate for the Alkali Bridge Replacement Project NEPA documentation and identifies sites with potential and recognized environmental conditions associated with the project area.

The findings and recommendations of this MESA must be viewed in recognition of certain limiting conditions. Results of this MESA are based upon a limited visual site inspection, observation of current conditions within the project area, and review of readily available standard historical sources and environmental agency databases.

Due to limitations, the complete environmental history of sites within the project area may not be fully identified solely by the performance of site reconnaissance activities, historical, and agency document reviews. In the course of this assessment, SME has relied on information provided by outside parties, such as regulatory agencies. SME has made no independent investigations as to the validity, completeness, or accuracy of such information provided by third-party sources. For the purposes of this MESA, such third-party information is assumed to be accurate unless contradictory evidence is noted. SME does not express or imply any warranty regarding information provided by third-party sources.

5.1 Findings

Finding 1. Potential Lead Based Paint, 37.397615,-108.649538

This finding is located within the project area and was observed on the bridge guardrail and other steel structures (**Figure 2, Appendix D**). This paint was applied as a thick coat and is currently flaking off of the metal bridge structures. The construction of the bridge occurred prior to 1980 and the green paint observed on bridge structures may contain lead paint.

It is SME’s opinion that this finding could potentially be a lead based paint and is, therefore, considered a *Potential Environmental Condition*.

Finding 2. Oil Can, 37.397391,-108.649668

This finding is located within the project area and was observed on the southern edge of the project area to the west of alkali creek on a dirt access drive (**Figure 2, Appendix B**). The oil can was approximately 3 gallons and small stain were observed beneath it.

It is SME's opinion that this finding is considered a *de minimis condition*.

Finding 3. Miscellaneous Debris, throughout project area

Several areas of illicit dumping were observed within the project area during the site visit. Items observed included used tires, concrete slabs, and miscellaneous trash. These areas were noted at several locations in Alkali Creek, including the bridge (not mapped). No drums, barrels, containers, or any other signs of hazardous materials were noted in the dumped material from public right of way.

It is SME's opinion that this finding is considered a *de minimis condition*.

5.2 Recommendations

5.2.1 Regulated Materials Clearance

Environmentally regulated materials may be present in buildings and structures that could be demolished as part of the project. Prior to demolition of any structures, a lead-based paint inspection will be conducted at the current bridge structure. Regulated materials abatement will be conducted in accordance with Section 250, Environmental, Health, and Safety Management, of the CDOT Standard Specifications for Road and Bridge Construction (CDOT, 2005a) and relevant Occupational Health and Safety Administration (OSHA) regulatory details.

5.2.2 Health and Safety Plans

Prior to construction activities, a Health and Safety Plan, as required by section 250.03 of the CDOT Standard Specifications for Road and Bridge Construction, will be developed if lead paint results are above regulatory thresholds. Construction specifications shall be written to include review of the Health and Safety Plan by the CDOT Regional Environmental Manager.

5.2.3 Asbestos and Materials Containing Lead-based Paint

Lead-based paint may need to be removed prior to demolition if the lead is leachable at concentrations greater than regulatory levels. Where lead-based painted surfaces would be removed via torching, additional health and safety monitoring requirements are applicable.

6.0 REFERENCES

- ASTM International. (2013). *E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. West Conshohocken: ASTM International.
- Barker, R. (2018, August 9). User Questionnaire. Durango.
- Carroll, C. J., Gilla, M. L., Ruf, J. C., Loseke, T. D., & Kirkham, R. M. (1999). *Geologic map of the Durango East quadrangle, La Plata County, Colorado, 1:24,000*. Denver: Colorado Geological Survey. Retrieved from National Geologic Map Database.
- City of Durango GIS Department. (2018, May 8). *Map Viewer*. Retrieved from Map Viewer: <https://gis.durangogov.org/DurangoJS/>
- Colorado Department of Transportation. (2018). *Hazardous Materials Guidance*. Denver: Colorado Department of Transportation.
- Craig, S. D. (2001). *Geologic Framework of the San Juan Structural Basin of New Mexico, Colorado, Arizona, and Utah with Emphasis on Triassic through Tertiary Rocks*. Reston: US Geological Society. Retrieved September 18, 2017, from <https://pubs.usgs.gov/pp/1420/report.pdf>
- Division of Oil and Public Safety. (2017). *Storage Tank Regulations*. Denver: Colorado Department of Labor and Employment.
- Environmental Data Resources, Inc. (2018). *The EDR Radius Map Report with GeoCheck*. Shelton: EDR, Inc.
- Holgate, M. (1967, November 15). Well Driller, License No. 344. *Well Log, Permit No. 12289F*. Durango, Colorado.
- La Plata County Assessor. (2018). *Property Record Card, APN 566517411020*. Durango: La Plata County Assessor.
- U.S. Environmental Protection Agency. (2018). *Enforcement and Compliance History Online*. Retrieved from Detailed Facility Report, Durango & Silverton Railroad: <https://echo.epa.gov/detailed-facility-report?fid=110002990586>
- US Department of Agriculture, Natural Resources Conservation Service. (2018, May 8). *Web Soil Survey*. Retrieved January 10, 2016, from Web Soil Survey: http://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm?TARGET_APP=Web_Soil_Survey_application_2ztraxdznd1yjtruppp3k1dx
- US Environmental Protection Agency. (2018, April 2). *Enforcement and Compliance History Online*. Retrieved from Enforcement and Compliance History Online: <https://echo.epa.gov/>
- US Geological Survey. (2018, March 19). *Earth Explorer*. Retrieved from Earth Explorer: <https://earthexplorer.usgs.gov/>

US Geological Survey. (2018). *TopoView Historical Topographic Map Online Portal*. Retrieved from TopoView Historical Topographic Map Online Portal: <https://ngmdb.usgs.gov/topoview/>

7.0 SIGNATURES AND QUALIFICATIONS

7.1 Method and Limitations

The preceding report has been prepared in accordance with standard industry practice for performance of a Modified Environmental Site Assessment and includes the applicable portions of the procedures codified in ASTM 1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, U.S. EPA Standards and Practices for All Appropriate Inquiries, and CDOT hazardous materials guidance. The end user of this report may rely on the contents, findings, and conclusions to be accurate within the limitations stated herein. The report also complies with specific requirements supplied by the Client. SME performed this work for the sole purpose of assisting in the evaluation of potential and recognized environmental conditions associated with the properties within the project area.

The following sections provide the qualifications of the environmental professionals who conducted this Modified Environmental Site Assessment.

Clinton Casey, Environmental Scientist

- Hazwoper Supervisor Certification
- State of Colorado Asbestos Inspector
- B.S. Geology, Fort Lewis College, Durango, Colorado, 2007

Mr. Casey has more than ten years of experience in the environmental consulting industries. Over the past ten years he has authored and/or co-authored approximately 45 Phase I Environmental Site Assessments and assisted in several Phase II projects as well as dozens of Initial site assessments. He has worked on various projects involving contaminant transport, environmental remediation and watershed management, as well as Clean Water Act and NEPA permitting and regulatory compliance involving commercial developments, aggregate and mineral mining, and in the oil and gas industry.



Clinton Casey

Signature

Print

8.0 APPENDICES

APPENDIX A

EDR Reports

Phase I

Environmental Site Assessment

July 2020

SME Environmental, Inc.

Alkali Creek Bridge

CR N

Cortez, CO 81321

Inquiry Number: 5617391.2s

April 10, 2019

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

CR N
CORTEZ, CO 81321

COORDINATES

Latitude (North): 37.3976100 - 37° 23' 51.39"
Longitude (West): 108.6495000 - 108° 38' 58.20"
Universal Transverse Mercator: Zone 12
UTM X (Meters): 708064.8
UTM Y (Meters): 4141370.8
Elevation: 6172 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5962409 ARRIOLA, CO
Version Date:	2013
Northeast Map:	5961489 DOLORES WEST, CO
Version Date:	2013
Southeast Map:	5962415 CORTEZ, CO
Version Date:	2013
South Map:	5961541 MUD CREEK, CO
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150910
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
CR N
CORTEZ, CO 81321

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-CESQG..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List

EXECUTIVE SUMMARY

US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

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

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

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

State and tribal leaking storage tank lists

LAST..... Leaking Aboveground Storage Tank Listing
LTANKS..... Petroleum Release Events Listing
LUST..... Leaking Underground Storage Tank List
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
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

EXECUTIVE SUMMARY

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
IHS OPEN DUMPS..... Open Dumps on Indian Land

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
CO ERNS..... 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
US MINES..... Mines Master Index File
ABANDONED MINES..... Abandoned Mines

EXECUTIVE SUMMARY

FINDS.....	Facility Index System/Facility Registry System
ECHO.....	Enforcement & Compliance History Information
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
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

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.

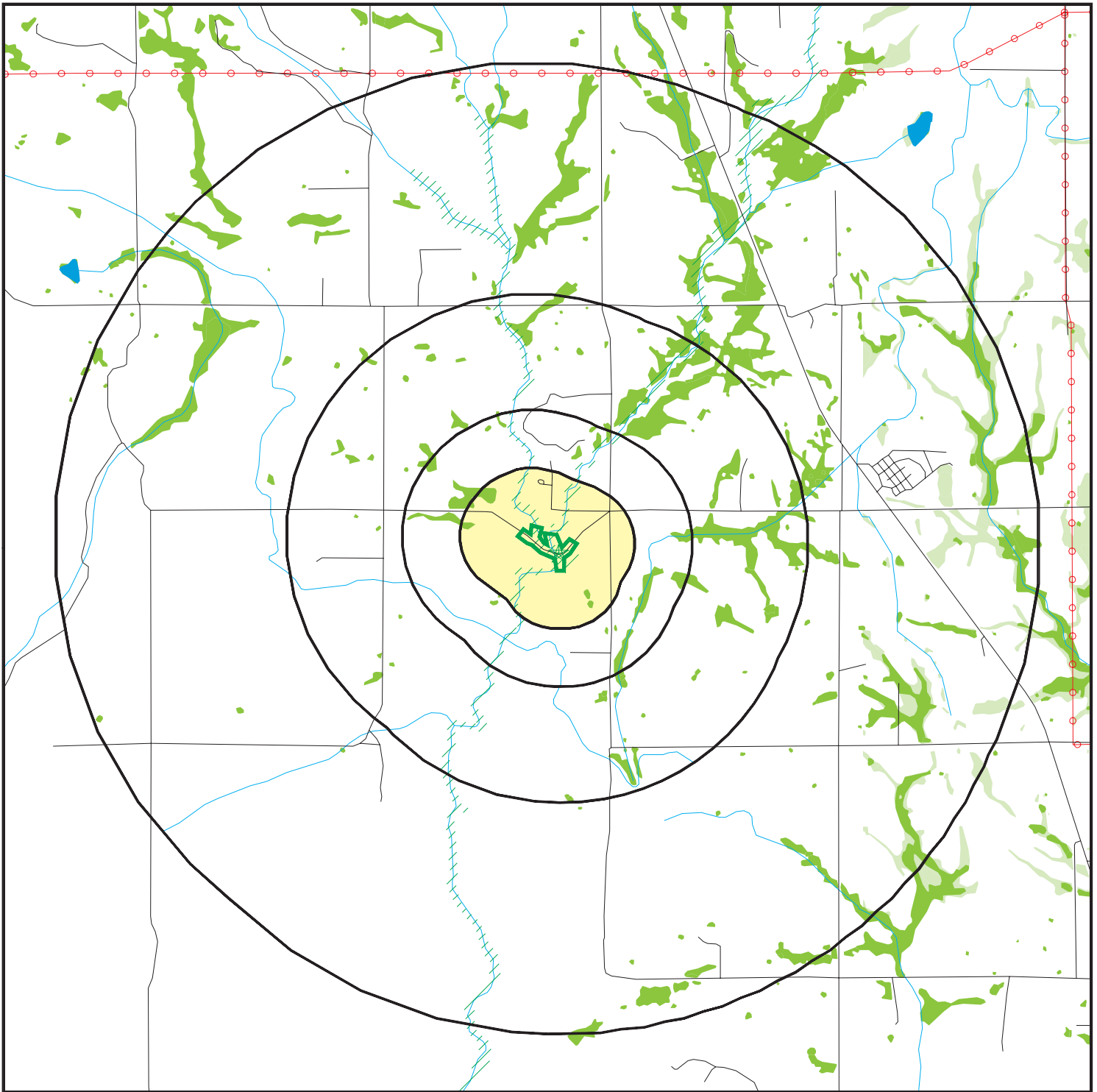
Site Name













OPERATIONAL MAINTENANCE SHOP #7

Database(s)

SEMS, RCRA NonGen / NLR

OVERVIEW MAP - 5617391.2S



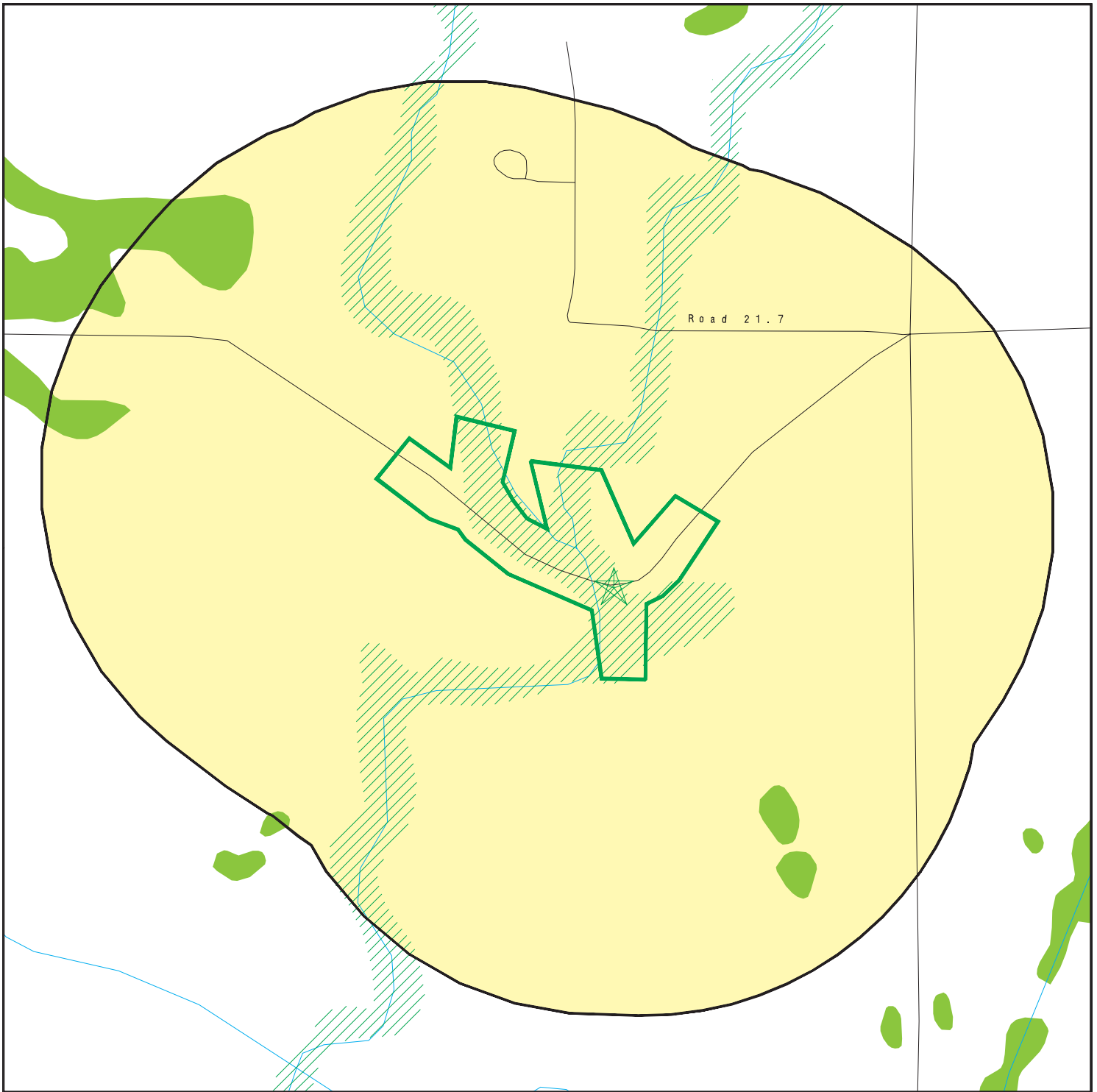
-  Target Property
-  Sites at elevations higher than or equal to the target property
-  Sites at elevations lower than the target property
-  Manufactured Gas Plants
-  National Priority List Sites
-  Dept. Defense Sites
-  Indian Reservations BIA
-  Power transmission lines
-  100-year flood zone
-  500-year flood zone
-  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.

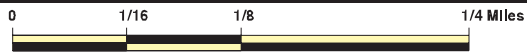
SITE NAME: Alkali Creek Bridge
 ADDRESS: CR N
 Cortez CO 81321
 LAT/LONG: 37.39761 / 108.6495

CLIENT: SME Environmental
 CONTACT: Anna Rilling
 INQUIRY #: 5617391.2s
 DATE: April 10, 2019 1:22 pm

DETAIL MAP - 5617391.2S



-  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
-  100-year flood zone
-  500-year flood zone
-  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: Alkali Creek Bridge
 ADDRESS: CR N
 Cortez CO 81321
 LAT/LONG: 37.39761 / 108.6495

CLIENT: SME Environmental
 CONTACT: Anna Rilling
 INQUIRY #: 5617391.2s
 DATE: April 10, 2019 1:23 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	1.250		0	0	0	0	0	0
Proposed NPL	1.250		0	0	0	0	0	0
NPL LIENS	1.250		0	0	0	0	0	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.250		0	0	0	0	0	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.750		0	0	0	0	NR	0
SEMS	0.750		0	0	0	0	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.750		0	0	0	0	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.250		0	0	0	0	0	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.750		0	0	0	0	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.500		0	0	0	NR	NR	0
RCRA-SQG	0.500		0	0	0	NR	NR	0
RCRA-CESQG	0.500		0	0	0	NR	NR	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.750		0	0	0	0	NR	0
US ENG CONTROLS	0.750		0	0	0	0	NR	0
US INST CONTROL	0.750		0	0	0	0	NR	0
<i>Federal ERNS list</i>								
ERNS	0.250		0	0	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	0.750		0	0	0	0	NR	0
<i>State and tribal leaking storage tank lists</i>								
LAST	0.750		0	0	0	0	NR	0
LTANKS	0.750		0	0	0	0	NR	0
LUST	0.750		0	0	0	0	NR	0
INDIAN LUST	0.750		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
LUST TRUST	0.750		0	0	0	0	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.500		0	0	0	NR	NR	0
UST	0.500		0	0	0	NR	NR	0
AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.500		0	0	0	NR	NR	0
State and tribal institutional control / engineering control registries								
AUL	0.750		0	0	0	0	NR	0
State and tribal voluntary cleanup sites								
VCP	0.750		0	0	0	0	NR	0
INDIAN VCP	0.750		0	0	0	0	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.750		0	0	0	0	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.750		0	0	0	0	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.750		0	0	0	0	NR	0
HIST LF	0.750		0	0	0	0	NR	0
INDIAN ODI	0.750		0	0	0	0	NR	0
DEBRIS REGION 9	0.750		0	0	0	0	NR	0
ODI	0.750		0	0	0	0	NR	0
IHS OPEN DUMPS	0.750		0	0	0	0	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.250		0	0	NR	NR	NR	0
CDL	0.250		0	0	NR	NR	NR	0
US CDL	0.250		0	0	NR	NR	NR	0
Local Land Records								
LIENS 2	0.250		0	0	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.250		0	0	NR	NR	NR	0
CO ERNS	0.250		0	0	NR	NR	NR	0
SPILLS 90	0.250		0	0	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.500		0	0	0	NR	NR	0
FUDS	1.250		0	0	0	0	0	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
DOD	1.250		0	0	0	0	0	0
SCRD DRYCLEANERS	0.750		0	0	0	0	NR	0
US FIN ASSUR	0.250		0	0	NR	NR	NR	0
EPA WATCH LIST	0.250		0	0	NR	NR	NR	0
2020 COR ACTION	0.500		0	0	0	NR	NR	0
TSCA	0.250		0	0	NR	NR	NR	0
TRIS	0.250		0	0	NR	NR	NR	0
SSTS	0.250		0	0	NR	NR	NR	0
ROD	1.250		0	0	0	0	0	0
RMP	0.250		0	0	NR	NR	NR	0
RAATS	0.250		0	0	NR	NR	NR	0
PRP	0.250		0	0	NR	NR	NR	0
PADS	0.250		0	0	NR	NR	NR	0
ICIS	0.250		0	0	NR	NR	NR	0
FTTS	0.250		0	0	NR	NR	NR	0
MLTS	0.250		0	0	NR	NR	NR	0
COAL ASH DOE	0.250		0	0	NR	NR	NR	0
COAL ASH EPA	0.750		0	0	0	0	NR	0
PCB TRANSFORMER	0.250		0	0	NR	NR	NR	0
RADINFO	0.250		0	0	NR	NR	NR	0
HIST FTTS	0.250		0	0	NR	NR	NR	0
DOT OPS	0.250		0	0	NR	NR	NR	0
CONSENT	1.250		0	0	0	0	0	0
INDIAN RESERV	1.250		0	0	0	0	0	0
FUSRAP	1.250		0	0	0	0	0	0
UMTRA	0.750		0	0	0	0	NR	0
LEAD SMELTERS	0.250		0	0	NR	NR	NR	0
US AIRS	0.250		0	0	NR	NR	NR	0
US MINES	0.500		0	0	0	NR	NR	0
ABANDONED MINES	0.500		0	0	0	NR	NR	0
FINDS	0.250		0	0	NR	NR	NR	0
ECHO	0.250		0	0	NR	NR	NR	0
DOCKET HWC	0.250		0	0	NR	NR	NR	0
UXO	1.250		0	0	0	0	0	0
FUELS PROGRAM	0.500		0	0	0	NR	NR	0
AIRS	0.250		0	0	NR	NR	NR	0
ASBESTOS	0.250		0	0	NR	NR	NR	0
METHANE SITE	0.250		0	0	NR	NR	NR	0
Methane Investigation	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.500		0	0	0	NR	NR	0
Financial Assurance	0.250		0	0	NR	NR	NR	0
LEAD	0.250		0	0	NR	NR	NR	0
MINES	0.500		0	0	0	NR	NR	0
NPDES	0.250		0	0	NR	NR	NR	0
UIC	0.250		0	0	NR	NR	NR	0
UMTRA	0.750		0	0	0	0	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.250		0	0	0	0	0	0
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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	0.375		0	0	0	NR	NR	0
EDR Hist Cleaner	0.375		0	0	0	NR	NR	0
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA LF	0.250		0	0	NR	NR	NR	0
RGA LUST	0.250		0	0	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>
CORTEZ	1023674501	OPERATIONAL MAINTENANCE SHOP #7	1 MI N HWY 145	81321	SEMS, RCRA NonGen / NLR

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: 03/11/2019	Source: EPA
Date Data Arrived at EDR: 03/14/2019	Telephone: N/A
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 04/05/2019
Number of Days to Update: 18	Next Scheduled EDR Contact: 07/15/2019
	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: 03/11/2019	Source: EPA
Date Data Arrived at EDR: 03/14/2019	Telephone: N/A
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 04/05/2019
Number of Days to Update: 18	Next Scheduled EDR Contact: 07/15/2019
	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: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 18

Source: EPA
Telephone: N/A
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 07/15/2019
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: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/05/2019
Next Scheduled EDR Contact: 07/15/2019
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: 02/06/2019
Date Data Arrived at EDR: 02/15/2019
Date Made Active in Reports: 03/15/2019
Number of Days to Update: 28

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 04/29/2019
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: 02/06/2019	Source: EPA
Date Data Arrived at EDR: 02/15/2019	Telephone: 800-424-9346
Date Made Active in Reports: 03/15/2019	Last EDR Contact: 03/14/2019
Number of Days to Update: 28	Next Scheduled EDR Contact: 04/29/2019
	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: 03/01/2018	Source: EPA
Date Data Arrived at EDR: 03/28/2018	Telephone: 800-424-9346
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 03/27/2019
Number of Days to Update: 86	Next Scheduled EDR Contact: 07/08/2019
	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: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: 303-312-6149
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 03/27/2019
Number of Days to Update: 86	Next Scheduled EDR Contact: 07/08/2019
	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: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: 303-312-6149
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 03/27/2019
Number of Days to Update: 86	Next Scheduled EDR Contact: 07/08/2019
	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: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: 303-312-6149
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 03/27/2019
Number of Days to Update: 86	Next Scheduled EDR Contact: 07/08/2019
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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

Date of Government Version: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: 303-312-6149
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 03/27/2019
Number of Days to Update: 86	Next Scheduled EDR Contact: 07/08/2019
	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: 10/17/2018	Source: Department of the Navy
Date Data Arrived at EDR: 10/25/2018	Telephone: 843-820-7326
Date Made Active in Reports: 12/07/2018	Last EDR Contact: 02/07/2019
Number of Days to Update: 43	Next Scheduled EDR Contact: 05/27/2019
	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: 01/31/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/04/2019	Telephone: 703-603-0695
Date Made Active in Reports: 03/08/2019	Last EDR Contact: 02/04/2019
Number of Days to Update: 32	Next Scheduled EDR Contact: 06/10/2019
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

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

Date of Government Version: 01/31/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/04/2019	Telephone: 703-603-0695
Date Made Active in Reports: 03/08/2019	Last EDR Contact: 02/04/2019
Number of Days to Update: 32	Next Scheduled EDR Contact: 06/10/2019
	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: 02/04/2019
Date Data Arrived at EDR: 02/08/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 28

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 07/08/2019
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: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
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: 12/04/2014
Date Data Arrived at EDR: 02/13/2015
Date Made Active in Reports: 03/04/2015
Number of Days to Update: 19

Source: Department of Public Health & Environment
Telephone: 303-692-3300
Last EDR Contact: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Annually

State and tribal leaking storage tank lists

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: 02/26/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/09/2019
Number of Days to Update: 35

Source: Department of Labor & Employment
Telephone: 303-318-8525
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
Data Release Frequency: Quarterly

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
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 & Employment
Telephone: 303-318-8525
Last EDR Contact: 05/31/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: Department of Labor and Employment, Oil Inspection Section
Date Data Arrived at EDR: 03/07/2018	Telephone: 303-318-8521
Date Made Active in Reports: 04/03/2018	Last EDR Contact: 03/07/2018
Number of Days to Update: 27	Next Scheduled EDR Contact: 06/18/2018
	Data Release Frequency: Quarterly

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: 04/12/2018	Source: EPA, Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-7439
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/24/2018	Source: EPA Region 7
Date Data Arrived at EDR: 05/18/2018	Telephone: 913-551-7003
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/12/2018	Source: EPA Region 10
Date Data Arrived at EDR: 05/18/2018	Telephone: 206-553-2857
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	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: 04/10/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3372
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	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: 04/25/2018	Source: EPA Region 8
Date Data Arrived at EDR: 05/18/2018	Telephone: 303-312-6271
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	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: 04/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 05/18/2018	Telephone: 214-665-6597
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 05/08/2018	Source: EPA Region 4
Date Data Arrived at EDR: 05/18/2018	Telephone: 404-562-8677
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/05/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	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: 04/13/2018	Source: EPA Region 1
Date Data Arrived at EDR: 05/18/2018	Telephone: 617-918-1313
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	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: 02/28/2019	Source: Department of Labor and Employment, Oil Inspection Section
Date Data Arrived at EDR: 03/01/2019	Telephone: 303-318-8521
Date Made Active in Reports: 04/09/2019	Last EDR Contact: 03/01/2019
Number of Days to Update: 39	Next Scheduled EDR Contact: 07/08/2019
	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: 05/15/2017	Source: FEMA
Date Data Arrived at EDR: 05/30/2017	Telephone: 202-646-5797
Date Made Active in Reports: 10/13/2017	Last EDR Contact: 03/25/2019
Number of Days to Update: 136	Next Scheduled EDR Contact: 04/22/2019
	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: 12/12/2018	Source: Department of Labor and Employment, Oil Inspection Section
Date Data Arrived at EDR: 12/13/2018	Telephone: 303-318-8521
Date Made Active in Reports: 01/08/2019	Last EDR Contact: 03/29/2019
Number of Days to Update: 26	Next Scheduled EDR Contact: 06/17/2019
	Data Release Frequency: Quarterly

AST: Aboveground Tank List

Aboveground storage tank locations.

Date of Government Version: 12/12/2018	Source: Department of Labor and Employment, Oil Inspection Section
Date Data Arrived at EDR: 12/13/2018	Telephone: 303-318-8521
Date Made Active in Reports: 01/08/2019	Last EDR Contact: 03/29/2019
Number of Days to Update: 26	Next Scheduled EDR Contact: 06/17/2019
	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: 04/12/2018	Source: EPA Region 10
Date Data Arrived at EDR: 05/18/2018	Telephone: 206-553-2857
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	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: 04/10/2018	Source: EPA Region 9
Date Data Arrived at EDR: 05/18/2018	Telephone: 415-972-3368
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

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: 04/24/2018	Source: EPA Region 7
Date Data Arrived at EDR: 05/18/2018	Telephone: 913-551-7003
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	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: 04/25/2018	Source: EPA Region 8
Date Data Arrived at EDR: 05/18/2018	Telephone: 303-312-6137
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	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: 04/01/2018	Source: EPA Region 6
Date Data Arrived at EDR: 05/18/2018	Telephone: 214-665-7591
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	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: 04/12/2018	Source: EPA Region 5
Date Data Arrived at EDR: 05/18/2018	Telephone: 312-886-6136
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/08/2018	Source: EPA Region 4
Date Data Arrived at EDR: 05/18/2018	Telephone: 404-562-9424
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/05/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	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: 04/13/2018	Source: EPA, Region 1
Date Data Arrived at EDR: 05/18/2018	Telephone: 617-918-1313
Date Made Active in Reports: 07/20/2018	Last EDR Contact: 03/07/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/06/2019
	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: 01/15/2019	Source: Department of Public Health & Environment
Date Data Arrived at EDR: 01/30/2019	Telephone: 303-692-3331
Date Made Active in Reports: 03/11/2019	Last EDR Contact: 01/28/2019
Number of Days to Update: 40	Next Scheduled EDR Contact: 05/11/2019
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

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: 12/06/2018	Source: Department of Public Health and Environmental
Date Data Arrived at EDR: 01/08/2019	Telephone: 303-692-3331
Date Made Active in Reports: 03/11/2019	Last EDR Contact: 01/08/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/22/2019
	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.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 03/25/2019
Number of Days to Update: 142	Next Scheduled EDR Contact: 07/08/2019
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Sites Listing
Brownfields Sites Listing

Date of Government Version: 10/10/2018
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/30/2018
Number of Days to Update: 38

Source: Department of Public Health & Environment
Telephone: 303-692-3331
Last EDR Contact: 03/11/2019
Next Scheduled EDR Contact: 05/06/2019
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: 12/17/2018
Date Data Arrived at EDR: 12/18/2018
Date Made Active in Reports: 01/11/2019
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 03/19/2019
Next Scheduled EDR Contact: 07/01/2019
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: 03/07/2019
Date Data Arrived at EDR: 03/12/2019
Date Made Active in Reports: 04/09/2019
Number of Days to Update: 28

Source: Department of Public Health & Environment
Telephone: 303-692-3337
Last EDR Contact: 03/11/2019
Next Scheduled EDR Contact: 06/24/2019
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: 01/29/2019
Next Scheduled EDR Contact: 05/13/2019
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: 01/17/2019
Next Scheduled EDR Contact: 05/06/2019
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: 02/01/2019
Next Scheduled EDR Contact: 05/13/2019
Data Release Frequency: Varies

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: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
Data Release Frequency: No Update Planned

CDL: Meth Lab Locations

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

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/08/2019
Number of Days to Update: 12

Source: Department of Public Health and Environment
Telephone: 303-692-3023
Last EDR Contact: 03/29/2019
Next Scheduled EDR Contact: 07/15/2019
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/21/2018
Date Data Arrived at EDR: 09/21/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 49

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/10/2019
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: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 05/06/2019
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: 02/08/2019
Date Data Arrived at EDR: 02/08/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 41

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

SPILLS 2: Spills

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

Date of Government Version: 03/25/2019
Date Data Arrived at EDR: 03/26/2019
Date Made Active in Reports: 04/09/2019
Number of Days to Update: 14

Source: Oil & Gas Conservation Commission
Telephone: 303-894-2100
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 07/08/2019
Data Release Frequency: Quarterly

CO ERNS: Spills Database

State reported spills.

Date of Government Version: 12/26/2018
Date Data Arrived at EDR: 12/27/2018
Date Made Active in Reports: 01/08/2019
Number of Days to Update: 12

Source: Department of Public Health and Environmental
Telephone: 303-692-2000
Last EDR Contact: 03/29/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/06/2013
Number of Days to Update: 34

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 03/01/2018	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/28/2018	Telephone: 303-312-6149
Date Made Active in Reports: 06/22/2018	Last EDR Contact: 03/27/2019
Number of Days to Update: 86	Next Scheduled EDR Contact: 07/08/2019
	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: 01/31/2015	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 07/08/2015	Telephone: 202-528-4285
Date Made Active in Reports: 10/13/2015	Last EDR Contact: 04/03/2019
Number of Days to Update: 97	Next Scheduled EDR Contact: 06/03/2019
	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: 01/11/2019
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/22/2019
	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: 12/31/2005	Source: U.S. Geological Survey
Date Data Arrived at EDR: 02/06/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/11/2019
Number of Days to Update: 339	Next Scheduled EDR Contact: 04/22/2019
	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.

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 02/15/2019
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/27/2019
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/31/2019
Date Data Arrived at EDR: 02/04/2019
Date Made Active in Reports: 03/08/2019
Number of Days to Update: 32

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/26/2019
Next Scheduled EDR Contact: 07/08/2019
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: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
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: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
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: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 03/22/2019
Next Scheduled EDR Contact: 07/01/2019
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.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/20/2019
Next Scheduled EDR Contact: 06/03/2019
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 03/25/2019
Next Scheduled EDR Contact: 05/06/2019
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: 03/11/2019
Date Data Arrived at EDR: 03/14/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 18

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 06/17/2019
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: 02/01/2019
Date Data Arrived at EDR: 02/14/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
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

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 08/13/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/09/2018
Number of Days to Update: 36

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 03/14/2019
Next Scheduled EDR Contact: 05/20/2019
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/14/2018
Date Data Arrived at EDR: 10/11/2018
Date Made Active in Reports: 12/07/2018
Number of Days to Update: 57

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/22/2019
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
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 04/08/2019
Next Scheduled EDR Contact: 07/22/2019
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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

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

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

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: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/22/2019
Next Scheduled EDR Contact: 05/06/2019
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/07/2019
Next Scheduled EDR Contact: 06/17/2019
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/05/2019
Next Scheduled EDR Contact: 06/17/2019
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: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 01/25/2019
Next Scheduled EDR Contact: 05/06/2019
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: 01/02/2019
Date Data Arrived at EDR: 01/03/2019
Date Made Active in Reports: 03/15/2019
Number of Days to Update: 71

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/02/2019
Next Scheduled EDR Contact: 07/15/2019
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
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: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

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

Date of Government Version: 10/19/2006
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: 12/03/2018
Date Data Arrived at EDR: 01/29/2019
Date Made Active in Reports: 03/21/2019
Number of Days to Update: 51

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/29/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2018	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 02/11/2019	Telephone: Varies
Date Made Active in Reports: 03/21/2019	Last EDR Contact: 04/05/2019
Number of Days to Update: 38	Next Scheduled EDR Contact: 07/22/2019
	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	Source: EPA/NTIS
Date Data Arrived at EDR: 02/22/2017	Telephone: 800-424-9346
Date Made Active in Reports: 09/28/2017	Last EDR Contact: 02/13/2019
Number of Days to Update: 218	Next Scheduled EDR Contact: 06/03/2019
	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	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 01/07/2019
Number of Days to Update: 546	Next Scheduled EDR Contact: 04/22/2019
	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	Source: Department of Energy
Date Data Arrived at EDR: 09/11/2018	Telephone: 202-586-3559
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 01/31/2019
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/20/2019
	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.

Date of Government Version: 06/23/2017	Source: Department of Energy
Date Data Arrived at EDR: 10/11/2017	Telephone: 505-845-0011
Date Made Active in Reports: 11/03/2017	Last EDR Contact: 02/22/2019
Number of Days to Update: 23	Next Scheduled EDR Contact: 06/03/2019
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 03/11/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/14/2019	Telephone: 703-603-8787
Date Made Active in Reports: 03/21/2019	Last EDR Contact: 04/05/2019
Number of Days to Update: 7	Next Scheduled EDR Contact: 07/15/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	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	Source: EPA
Date Data Arrived at EDR: 10/26/2016	Telephone: 202-564-2496
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 100	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	Source: EPA
Date Data Arrived at EDR: 10/26/2016	Telephone: 202-564-2496
Date Made Active in Reports: 02/03/2017	Last EDR Contact: 09/26/2017
Number of Days to Update: 100	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: 11/27/2018	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 02/27/2019	Telephone: 303-231-5959
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 02/27/2019
Number of Days to Update: 33	Next Scheduled EDR Contact: 06/10/2019
	Data Release Frequency: Semi-Annually

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: 12/05/2005	Source: USGS
Date Data Arrived at EDR: 02/29/2008	Telephone: 703-648-7709
Date Made Active in Reports: 04/18/2008	Last EDR Contact: 03/01/2019
Number of Days to Update: 49	Next Scheduled EDR Contact: 06/10/2019
	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	Source: USGS
Date Data Arrived at EDR: 06/08/2011	Telephone: 703-648-7709
Date Made Active in Reports: 09/13/2011	Last EDR Contact: 03/01/2019
Number of Days to Update: 97	Next Scheduled EDR Contact: 06/10/2019
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 09/10/2018	Source: Department of Interior
Date Data Arrived at EDR: 09/11/2018	Telephone: 202-208-2609
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 03/21/2019
Number of Days to Update: 3	Next Scheduled EDR Contact: 06/24/2019
	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: 02/15/2019	Source: EPA
Date Data Arrived at EDR: 03/05/2019	Telephone: (303) 312-6312
Date Made Active in Reports: 03/15/2019	Last EDR Contact: 03/05/2019
Number of Days to Update: 10	Next Scheduled EDR Contact: 06/17/2019
	Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 12/31/2017	Source: Department of Defense
Date Data Arrived at EDR: 01/17/2019	Telephone: 703-704-1564
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 01/14/2019
Number of Days to Update: 74	Next Scheduled EDR Contact: 04/29/2019
	Data Release Frequency: Varies

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: 03/01/2019
Number of Days to Update: 71	Next Scheduled EDR Contact: 06/10/2019
	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: 03/03/2019	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/05/2019	Telephone: 202-564-2280
Date Made Active in Reports: 04/01/2019	Last EDR Contact: 04/09/2019
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/22/2019
	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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/19/2019
Date Data Arrived at EDR: 02/21/2019
Date Made Active in Reports: 04/01/2019
Number of Days to Update: 39

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/21/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Quarterly

AIRS: Permitted Facility & Emissions Listing

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

Date of Government Version: 03/04/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/09/2019
Number of Days to Update: 35

Source: Department of Public Health & Environment
Telephone: 303-692-3213
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/27/2019
Data Release Frequency: Varies

ASBESTOS: Asbestos Abatement & Demolition Projects

Asbestos abatement and demolition projects by the contractor.

Date of Government Version: 02/26/2019
Date Data Arrived at EDR: 02/28/2019
Date Made Active in Reports: 04/09/2019
Number of Days to Update: 40

Source: Department of Public Health & Environment
Telephone: 303-692-3100
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
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
Date Data Arrived at EDR: 02/13/1995
Date Made Active in Reports: 04/04/1995
Number of Days to Update: 50

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

METHANE INVESTIGATION: Methane Gas & Swamp Findings

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

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

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

DRYCLEANERS: Drycleaner Facilities

A listing of drycleaning facilities.

Date of Government Version: 03/04/2019
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 04/09/2019
Number of Days to Update: 35

Source: Department of Public Health & Environment
Telephone: 303-692-3213
Last EDR Contact: 02/27/2019
Next Scheduled EDR Contact: 06/17/2019
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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 01/03/2019
Date Made Active in Reports: 01/08/2019
Number of Days to Update: 5

Source: Department of Public Health & Environment
Telephone: 303-692-3350
Last EDR Contact: 03/29/2019
Next Scheduled EDR Contact: 07/15/2019
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: 12/31/2018
Date Data Arrived at EDR: 01/03/2019
Date Made Active in Reports: 01/08/2019
Number of Days to Update: 5

Source: Department of Public Health & Environment
Telephone: 303-392-3350
Last EDR Contact: 03/29/2019
Next Scheduled EDR Contact: 07/15/2019
Data Release Frequency: Quarterly

LEAD: Lead Abatement Permit Listing

Lead inspection

Date of Government Version: 02/26/2019
Date Data Arrived at EDR: 02/28/2019
Date Made Active in Reports: 04/09/2019
Number of Days to Update: 40

Source: Department of Public Health & Environment
Telephone: 303-692-2000
Last EDR Contact: 01/31/2019
Next Scheduled EDR Contact: 05/20/2019
Data Release Frequency: Varies

MINES: Permitted Mines Listing

This dataset represents permitted mines in the State of Colorado

Date of Government Version: 12/14/2018
Date Data Arrived at EDR: 01/15/2019
Date Made Active in Reports: 03/11/2019
Number of Days to Update: 55

Source: Division of Reclamation Mining and safety
Telephone: 303-866-3567
Last EDR Contact: 01/15/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Semi-Annually

NPDES: Permitted Facility Listing

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

Date of Government Version: 01/07/2019
Date Data Arrived at EDR: 01/30/2019
Date Made Active in Reports: 03/28/2019
Number of Days to Update: 57

Source: Department of Public Health & Environment
Telephone: 303-692-3611
Last EDR Contact: 01/28/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Varies

UIC: Underground Injection Control

A list of underground injection wells and their locations.

Date of Government Version: 08/11/2018
Date Data Arrived at EDR: 08/16/2018
Date Made Active in Reports: 11/01/2018
Number of Days to Update: 77

Source: Oil & Gas Conservation Commission
Telephone: 303-894-2100
Last EDR Contact: 02/07/2019
Next Scheduled EDR Contact: 05/27/2019
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, know 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.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 02/13/2019
Next Scheduled EDR Contact: 06/03/2019
Data Release Frequency: Varies

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: N/A	Source: Department of Public Health & Environment
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/15/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 198	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	Source: Department of Labor and Employment, Oil Inspection Section
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/02/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 185	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	Source: Tri-County Health Department
Date Data Arrived at EDR: 02/16/1995	Telephone: 303-761-1340
Date Made Active in Reports: 04/04/1995	Last EDR Contact: 01/27/1995
Number of Days to Update: 47	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	Source: Tri-County Health Department
Date Data Arrived at EDR: 02/16/1995	Telephone: 303-761-1340
Date Made Active in Reports: 04/04/1995	Last EDR Contact: 01/27/1995
Number of Days to Update: 47	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	Source: Boulder County Health Department
Date Data Arrived at EDR: 11/14/1995	Telephone: 303-441-1182
Date Made Active in Reports: 12/07/1995	Last EDR Contact: 01/30/1998
Number of Days to Update: 23	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: 04/03/2019
Next Scheduled EDR Contact: 07/01/2019
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: 02/08/2019
Next Scheduled EDR Contact: 05/20/2019
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: 02/11/2019
Date Data Arrived at EDR: 02/12/2019
Date Made Active in Reports: 03/04/2019
Number of Days to Update: 20

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/12/2019
Next Scheduled EDR Contact: 05/27/2019
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: 01/30/2019
Date Made Active in Reports: 02/14/2019
Number of Days to Update: 15

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/30/2019
Next Scheduled EDR Contact: 05/11/2019
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 10/23/2018
Date Made Active in Reports: 11/27/2018
Number of Days to Update: 35

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/11/2019
Next Scheduled EDR Contact: 04/29/2019
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/15/2018
Date Made Active in Reports: 07/09/2018
Number of Days to Update: 24

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/11/2019
Next Scheduled EDR Contact: 06/24/2019
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

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

Electric Power Transmission Line Data

Source: PennWell Corporation

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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

ALKALI CREEK BRIDGE
CR N
CORTEZ, CO 81321

TARGET PROPERTY COORDINATES

Latitude (North): 37.39761 - 37° 23' 51.40"
Longitude (West): 108.6495 - 108° 38' 58.20"
Universal Transverse Mercator: Zone 12
UTM X (Meters): 708064.8
UTM Y (Meters): 4141370.8
Elevation: 6172 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 5962409 ARRIOLA, CO
Version Date: 2013

Northeast Map: 5961489 DOLORES WEST, CO
Version Date: 2013

Southeast Map: 5962415 CORTEZ, CO
Version Date: 2013

South Map: 5961541 MUD CREEK, 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).

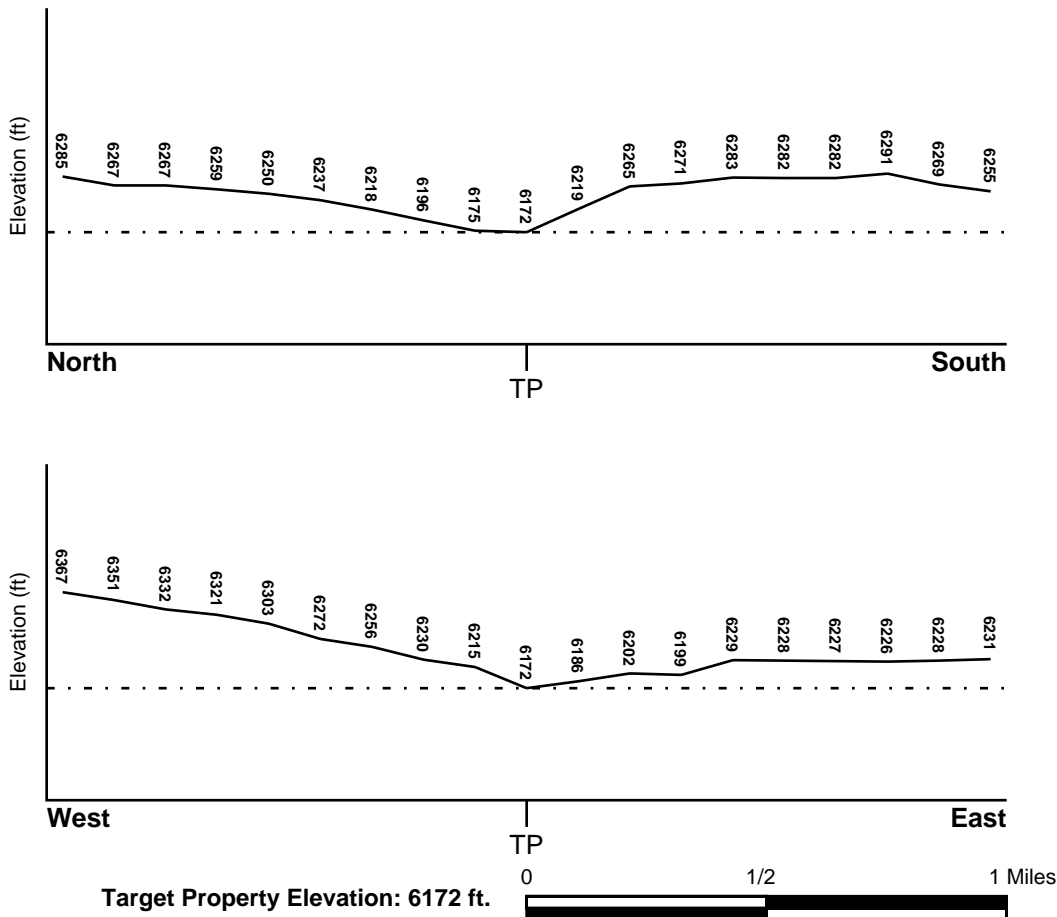
TOPOGRAPHIC INFORMATION

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 NNE

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>
08083C0575C	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>
ARRIOLA	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

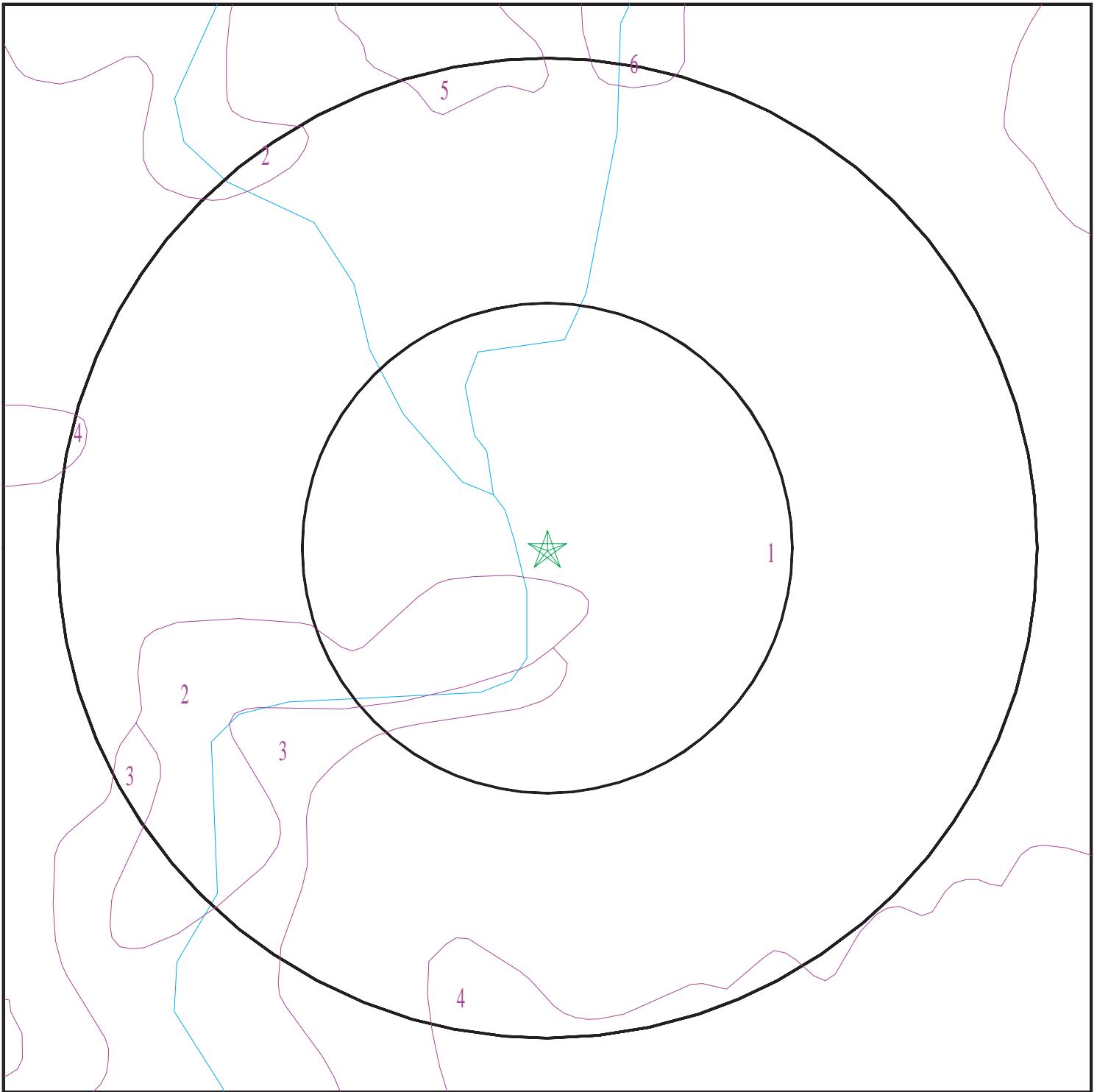
Era: Mesozoic
System: Cretaceous
Series: Woodbine and Tuscaloosa Groups
Code: uK1 (*decoded above as Era, System & Series*)

GEOLOGIC AGE IDENTIFICATION

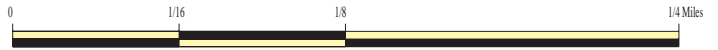
Category: Stratified Sequence

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

SSURGO SOIL MAP - 5617391.2s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Alkali Creek Bridge
ADDRESS: CR N
Cortez CO 81321
LAT/LONG: 37.39761 / 108.6495

CLIENT: SME Environmental
CONTACT: Anna Riling
INQUIRY #: 5617391.2s
DATE: April 10, 2019 1:24 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: Gladel

Soil Surface Texture: flaggy fine sandy 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: Moderate

Depth to Bedrock Min: > 38 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	5 inches	flaggy fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 14.11	Max: 8.4 Min: 7.9
2	5 inches	9 inches	flaggy fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 14.11	Max: 8.4 Min: 7.9
3	14 inches	25 inches	unweathered bedrock	Not reported	Not reported	Max: 42.34 Min: 14.11	Max: 8.4 Min: 7.9
4	9 inches	14 inches	flaggy fine sandy loam	Not reported	Not reported	Max: 42.34 Min: 14.11	Max: 8.4 Min: 7.9

Soil Map ID: 2

Soil Component Name: Ramper

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially 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	loam	Not reported	Not reported	Max: 4.23 Min: 1.41	Max: 8.4 Min: 7.4
2	3 inches	59 inches	stratified sandy loam to clay loam	Not reported	Not reported	Max: 4.23 Min: 1.41	Max: 8.4 Min: 7.4

Soil Map ID: 3

Soil Component Name: Romberg

Soil Surface Texture: very stony 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

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	1 inches	very stony loam	Not reported	Not reported	Max: 4.23 Min: 1.41	Max: 8.4 Min: 7.4
2	1 inches	20 inches	very stony clay loam	Not reported	Not reported	Max: 4.23 Min: 1.41	Max: 8.4 Min: 7.4

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		
3	20 inches	59 inches	very stony clay loam	Not reported	Not reported	Max: 4.23 Min: 1.41	Max: 8.4 Min: 7.4

Soil Map ID: 4

Soil Component Name: Wetherill

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: 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	loam	Not reported	Not reported	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.9
2	3 inches	7 inches	loam	Not reported	Not reported	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.9
3	7 inches	48 inches	clay loam	Not reported	Not reported	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.9
4	48 inches	59 inches	loam	Not reported	Not reported	Max: 14.11 Min: 4.23	Max: 8.4 Min: 7.9

Soil Map ID: 5

Soil Component Name: Sharps

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

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	9 inches	loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: Min:
2	9 inches	18 inches	clay loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: Min:
3	18 inches	29 inches	loam	Not reported	Not reported	Max: 1.41 Min: 0	Max: Min:
4	29 inches	40 inches	weathered bedrock	Not reported	Not reported	Max: 1.41 Min: 0	Max: Min:

Soil Map ID: 6

Soil Component Name: Irak

Soil Surface Texture: loam

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

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 91 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	7 inches	loam	Not reported	Not reported	Max: 14.11 Min: 4.23	Max: 8.4 Min: 6.6

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	7 inches	59 inches	loam	Not reported	Not reported	Max: 14.11 Min: 4.23	Max: 8.4 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>
No Wells Found		

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

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

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

STATE DATABASE WELL INFORMATION

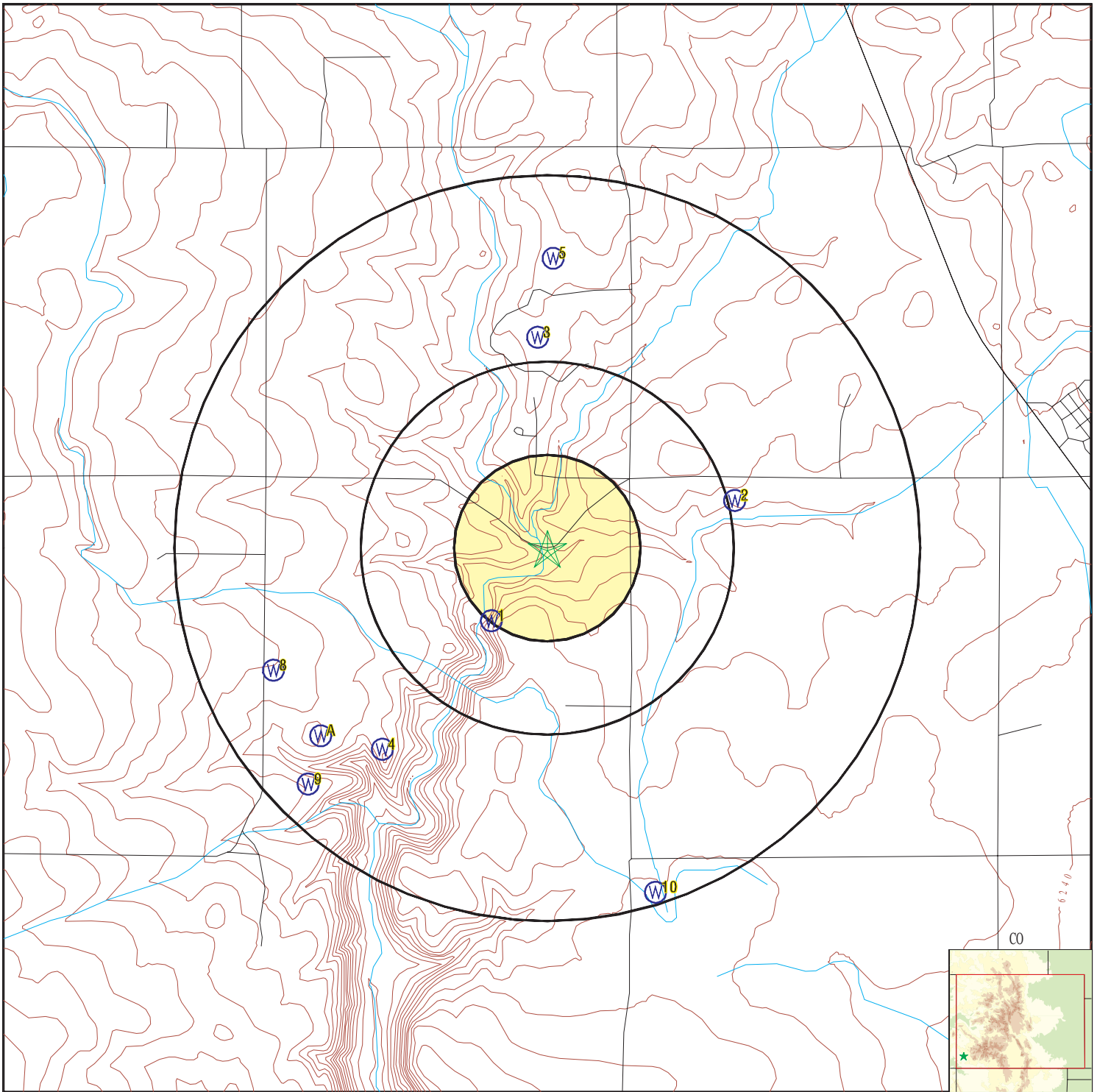
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	CO7000000147791	1/8 - 1/4 Mile SW
2	CO7000000434942	1/2 - 1 Mile ENE
3	CO7000000073599	1/2 - 1 Mile North
4	CO7000000106494	1/2 - 1 Mile SW
5	CO7000000111888	1/2 - 1 Mile North

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

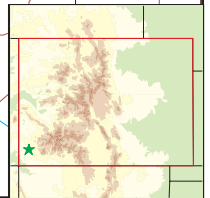
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A6	CO7000000003821	1/2 - 1 Mile SW
A7	CO7000000296365	1/2 - 1 Mile SW
8	CO7000000463173	1/2 - 1 Mile WSW
9	CO7000000106496	1/2 - 1 Mile SW
10	CO7000000097740	1/2 - 1 Mile SSE

PHYSICAL SETTING SOURCE MAP - 5617391.2s



- 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: Alkali Creek Bridge
 ADDRESS: CR N
 Cortez CO 81321
 LAT/LONG: 37.39761 / 108.6495

CLIENT: SME Environmental
 CONTACT: Anna Rilling
 INQUIRY #: 5617391.2s
 DATE: April 10, 2019 1:24 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
SW
1/8 - 1/4 Mile
Higher

CO WELLS CO7000000147791

CO DWR ID #:	Not Reported	Permit #:	284870-
Well Name:	Not Reported		
Well Status:	Permit Issued; Completion Status Unknown		
Water Court Case #:	Not Reported	Parcel Size:	70
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:	1 ACRES	Yrly Appropriation:	0
Issue Date:	01/12/2011	Expiration Date:	01/12/2013
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:	32	Division:	7
Comments:	Issued pursuant to Rule 6.2.3		

2
ENE
1/2 - 1 Mile
Higher

CO WELLS CO7000000434942

CO DWR ID #:	Not Reported	Permit #:	125372-
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:	05/17/1982
Expiration Date:	Not Reported	Construction Date:	06/04/1982
Start Use Date:	Not Reported	Pump Install Date:	Not Reported
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	187	Top of First Perf Casing:	78
Base of Last Perf Casing:	187	Yield (gal/min):	8
Static Water Depth (ft):	40	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	32
Division:	7	Comments:	Not Reported

3
North
1/2 - 1 Mile
Higher

CO WELLS CO7000000073599

CO DWR ID #:	Not Reported	Permit #:	193944-
Well Name:	Not Reported	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	36.16
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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Issue Date:	04/16/1996	Expiration Date:	04/16/1998
Construction Date:	05/23/1996	Start Use Date:	Not Reported
Pump Install Date:	Not Reported	Well Plug Date:	Not Reported
Surface Elevation (ft):	5000	Well Depth (ft):	300
Top of First Perf Casing:	0	Base of Last Perf Casing:	0
Yield (gal/min):	1	Static Water Depth (ft):	140
Groundwater Basin:	Not Reported	Mgmt District:	Not Reported
Water District:	32	Division:	7
Comments:	OPEN HOLE		

4
SW
1/2 - 1 Mile
Higher

CO WELLS CO7000000106494

CO DWR ID #:	Not Reported	Permit #:	240661-
Well Name:	#2	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	38.700001
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:	1 ACRES	Yrly Appropriation:	0
Issue Date:	05/01/2002	Expiration Date:	05/01/2004
Construction Date:	04/19/2004	Start Use Date:	Not Reported
Pump Install Date:	Not Reported	Well Plug Date:	Not Reported
Surface Elevation (ft):	0	Well Depth (ft):	597
Top of First Perf Casing:	530	Base of Last Perf Casing:	570
Yield (gal/min):	6	Static Water Depth (ft):	150
Groundwater Basin:	Not Reported	Mgmt District:	Not Reported
Water District:	32	Division:	7
Comments:	Tract 2		

5
North
1/2 - 1 Mile
Higher

CO WELLS CO7000000111888

CO DWR ID #:	Not Reported	Permit #:	248794-
Well Name:	Not Reported	Well Status:	Permit Expired
Water Court Case #:	Not Reported	Parcel Size:	18.15
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:	03/21/2003
Expiration Date:	03/21/2005	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:	32
Division:	7	Comments:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A6
SW
1/2 - 1 Mile
Higher

CO WELLS CO700000003821

CO DWR ID #:	Not Reported	Permit #:	182739-
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:	Issued Under Presumption 3b-lia		
Primary Aquifer:	All Unnamed Aquifers	Addtl Aquifer:	Not Reported
Irrigation Area:	0 acres	Yrly Appropriation:	0
Issue Date:	10/26/1994	Expiration Date:	10/26/1996
Construction Date:	07/15/1995	Start Use Date:	Not Reported
Pump Install Date:	Not Reported	Well Plug Date:	Not Reported
Surface Elevation (ft):	0	Well Depth (ft):	171
Top of First Perf Casing:	20	Base of Last Perf Casing:	171
Yield (gal/min):	.33000001	Static Water Depth (ft):	50
Groundwater Basin:	Not Reported	Mgmt District:	Not Reported
Water District:	32	Division:	7
Comments:	OPEN HOLE		

A7
SW
1/2 - 1 Mile
Higher

CO WELLS CO7000000296365

CO DWR ID #:	Not Reported	Permit #:	240662-
Well Name:	#1	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	37
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:	1 ACRES	Yrly Appropriation:	0
Issue Date:	05/01/2002	Expiration Date:	05/01/2004
Construction Date:	07/23/2002	Start Use Date:	Not Reported
Pump Install Date:	08/18/2002	Well Plug Date:	Not Reported
Surface Elevation (ft):	0	Well Depth (ft):	665
Top of First Perf Casing:	400	Base of Last Perf Casing:	640
Yield (gal/min):	2	Static Water Depth (ft):	154
Groundwater Basin:	Not Reported	Mgmt District:	Not Reported
Water District:	32	Division:	7
Comments:	Tract 1		

8
WSW
1/2 - 1 Mile
Higher

CO WELLS CO7000000463173

CO DWR ID #:	Not Reported	Permit #:	121331-
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:	08/11/1981

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Expiration Date:	Not Reported	Construction Date:	09/22/1981
Start Use Date:	Not Reported	Pump Install Date:	09/21/1981
Well Plug Date:	Not Reported	Surface Elevation (ft):	0
Well Depth (ft):	80	Top of First Perf Casing:	20
Base of Last Perf Casing:	80	Yield (gal/min):	15
Static Water Depth (ft):	20	Groundwater Basin:	Not Reported
Mgmt District:	Not Reported	Water District:	32
Division:	7	Comments:	Not Reported

**9
SW
1/2 - 1 Mile
Higher**

CO WELLS CO7000000106496

CO DWR ID #:	Not Reported	Permit #:	240660-
Well Name:	#3	Well Status:	Well Constructed
Water Court Case #:	Not Reported	Parcel Size:	36
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:	1 ACRES	Yrly Appropriation:	0
Issue Date:	05/01/2002	Expiration Date:	05/01/2004
Construction Date:	04/22/2004	Start Use Date:	Not Reported
Pump Install Date:	Not Reported	Well Plug Date:	Not Reported
Surface Elevation (ft):	0	Well Depth (ft):	589
Top of First Perf Casing:	530	Base of Last Perf Casing:	570
Yield (gal/min):	7	Static Water Depth (ft):	150
Groundwater Basin:	Not Reported	Mgmt District:	Not Reported
Water District:	32	Division:	7
Comments:	Tract 3		

**10
SSE
1/2 - 1 Mile
Higher**

CO WELLS CO7000000097740

CO DWR ID #:	Not Reported	Permit #:	122295-
Well Name:	Not Reported	Well Status:	Permit Expired
Water Court Case #:	Not Reported	Parcel Size:	40
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:	Not Reported	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:	UNKNOWN
Water District:	32	Division:	7
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
81321	11	3.36	81.82	9.09	9.09	0.00

Federal EPA Radon Zone for MONTEZUMA 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: 81321

Number of sites tested: 10

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	1.770 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	6.100 pCi/L	50%	50%	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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Alkali Creek Bridge

CR N

Cortez, CO 81321

Inquiry Number: 5617794.3

April 10, 2019

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

04/10/19

Site Name:

Alkali Creek Bridge
CR N
Cortez, CO 81321
EDR Inquiry # 5617794.3

Client Name:

SME Environmental
679 E 2nd Ave Unit E2
Durango, CO 81301-0000
Contact: Anna Riling



The Sanborn Library has been searched by EDR and maps covering the target property location as provided by SME Environmental were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

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 # B7C7-45FB-99DE
PO # NA
Project Alkali Crk Bridge Replacement

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 #: B7C7-45FB-99DE

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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Alkali Creek Bridge

CR N

Cortez, CO 81321

Inquiry Number: 5617794.5

April 11, 2019

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

04/11/19

Site Name:

Alkali Creek Bridge
CR N
Cortez, CO 81321
EDR Inquiry # 5617794.5

Client Name:

SME Environmental
679 E 2nd Ave Unit E2
Durango, CO 81301-0000
Contact: Anna Riling



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"=500'	Flight Year: 2017	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
1999	1"=750'	Flight Date: September 05, 1999	USGS
1993	1"=500'	Acquisition Date: July 02, 1993	USGS/DOQQ
1988	1"=750'	Flight Date: September 18, 1988	USGS
1983	1"=500'	Flight Date: September 20, 1983	USDA
1978	1"=500'	Flight Date: September 20, 1978	USGS
1974	1"=500'	Flight Date: October 15, 1974	USGS
1964	1"=500'	Flight Date: August 26, 1964	USGS
1954	1"=500'	Flight Date: October 15, 1954	USGS

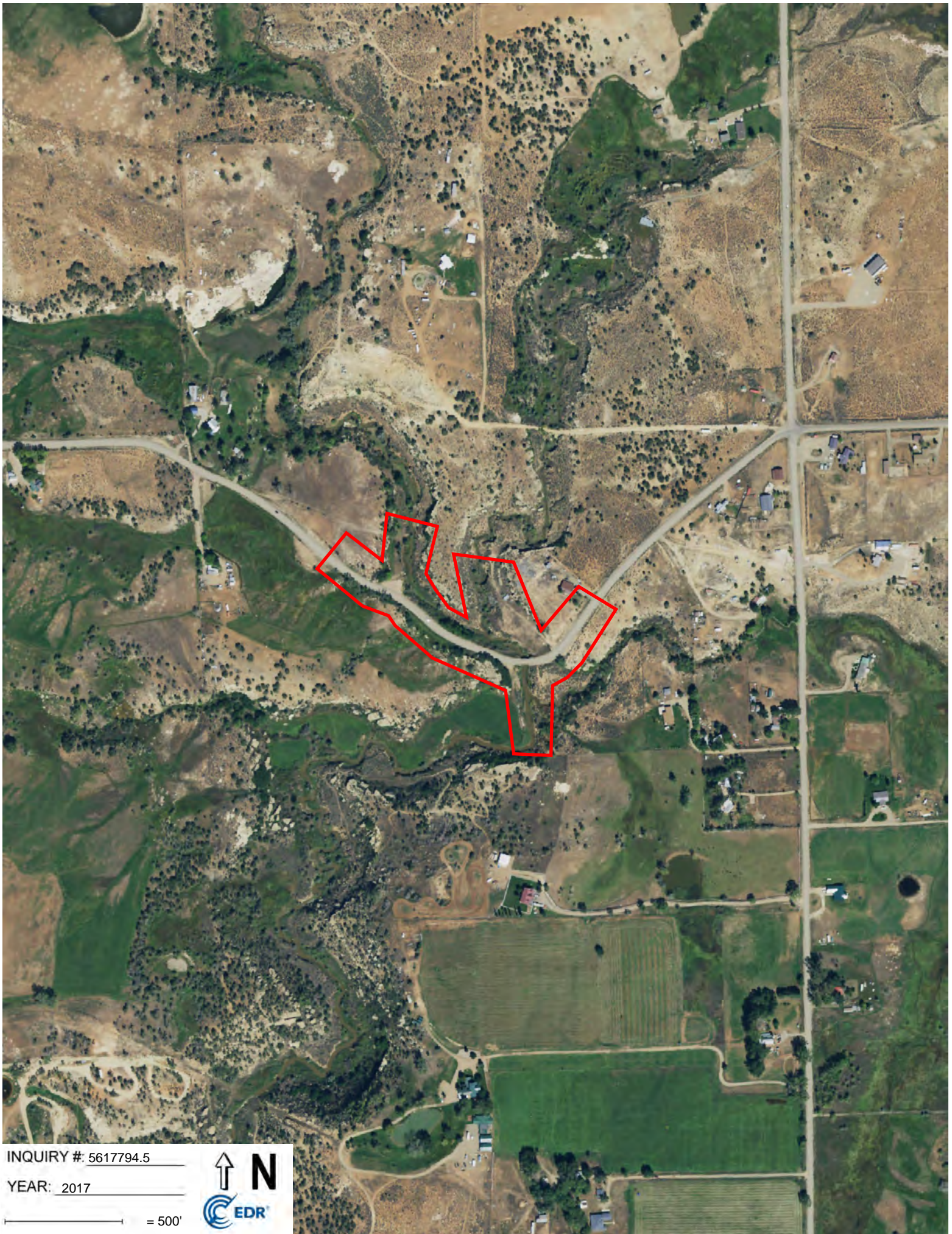
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INQUIRY #: 5617794.5

YEAR: 2017

— = 500'



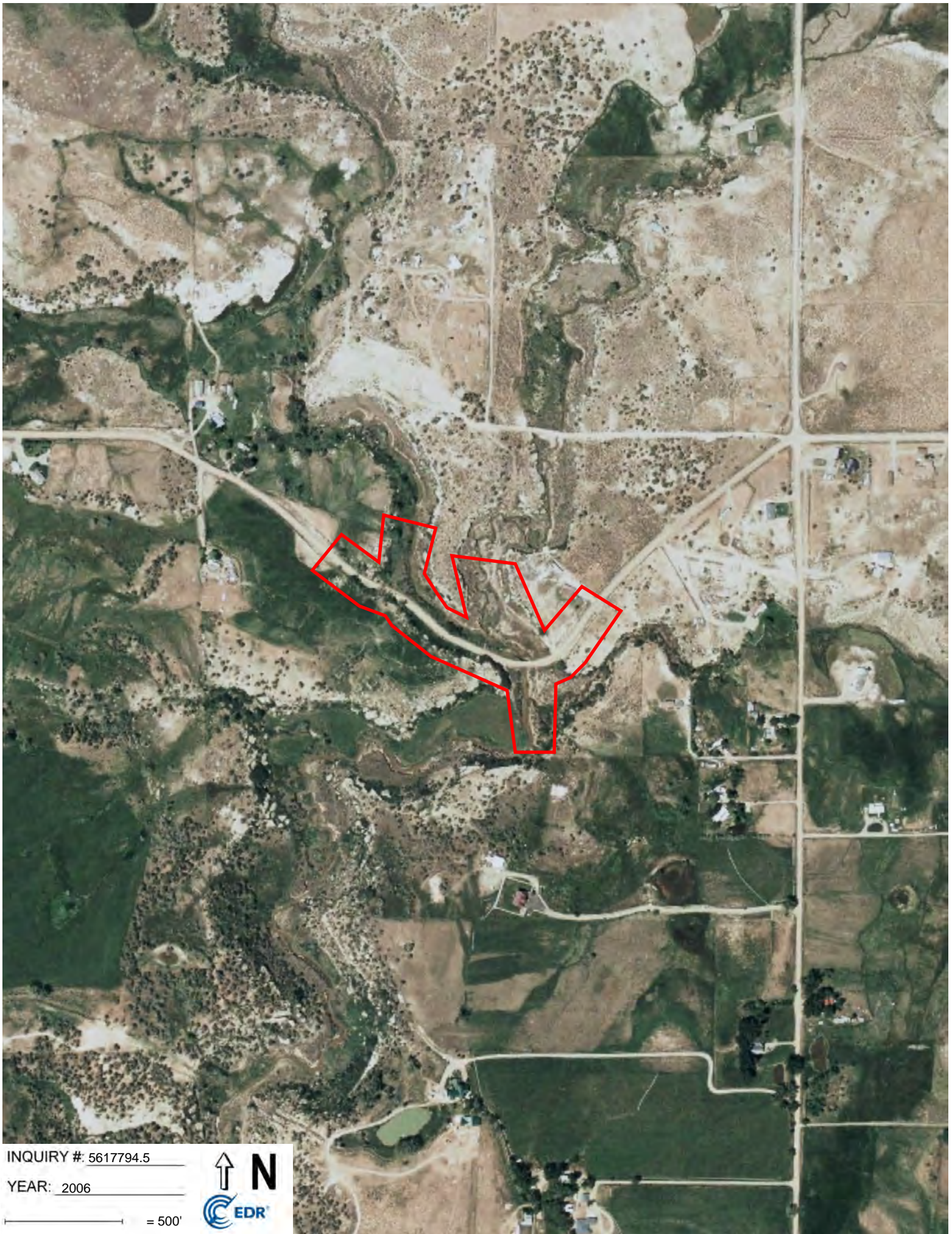


INQUIRY #: 5617794.5

YEAR: 2009

— = 500'



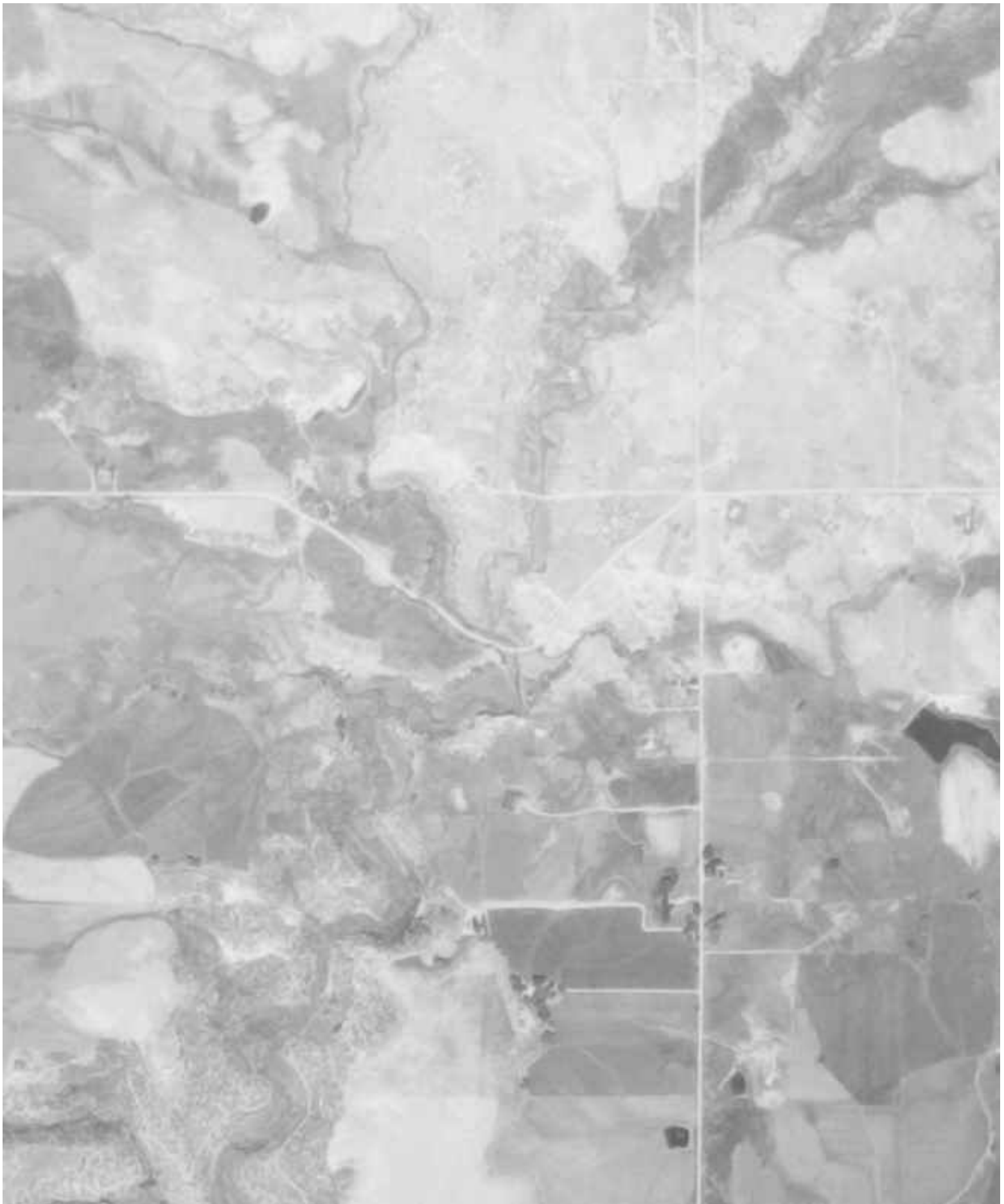


INQUIRY #: 5617794.5

YEAR: 2006

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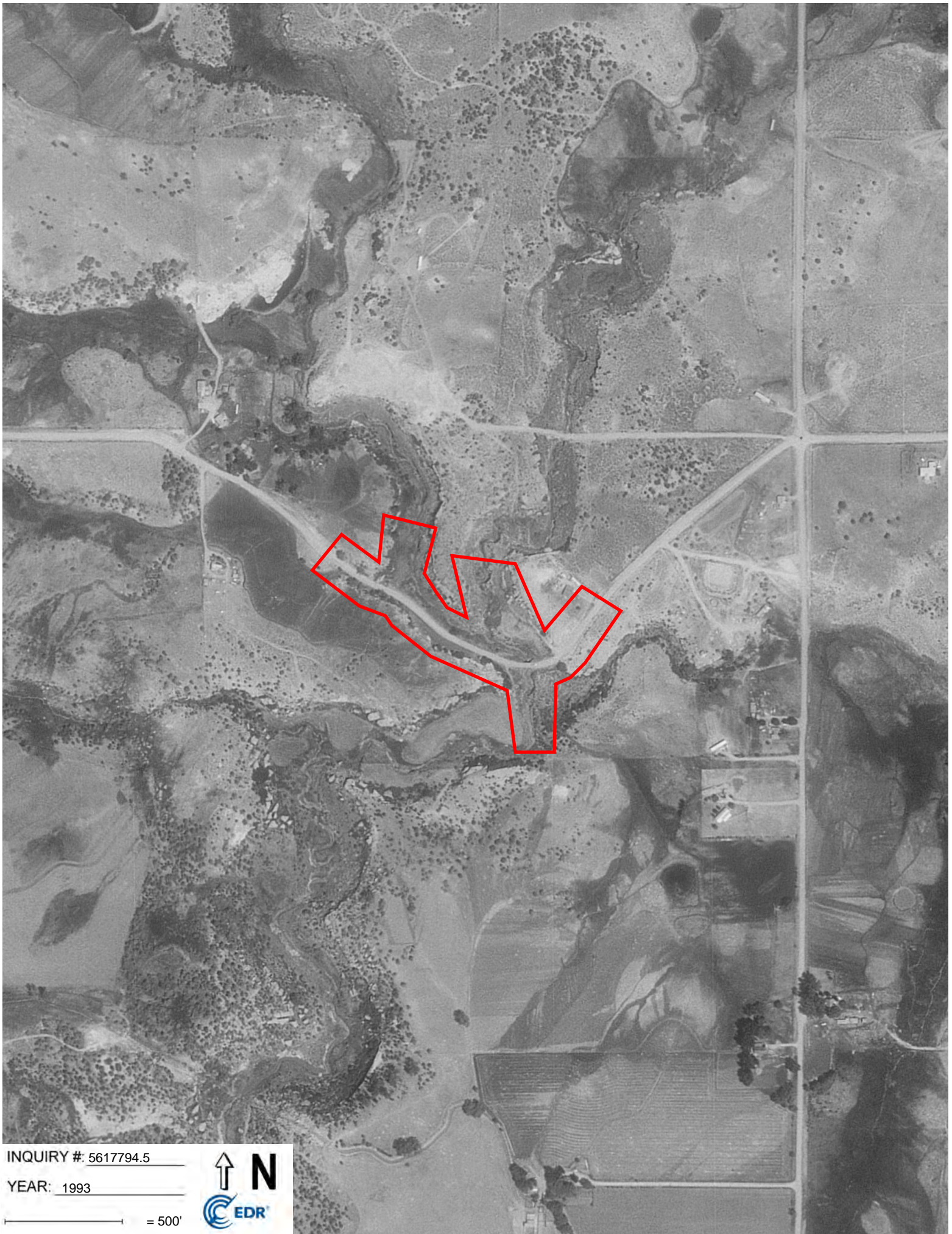
INQUIRY #: 5617794.5

YEAR: 1999

— = 750'



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



INQUIRY #: 5617794.5

YEAR: 1993

— = 500'





INQUIRY #: 5617794.5

YEAR: 1988

— = 750'



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



INQUIRY #: 5617794.5

YEAR: 1983

— = 500'



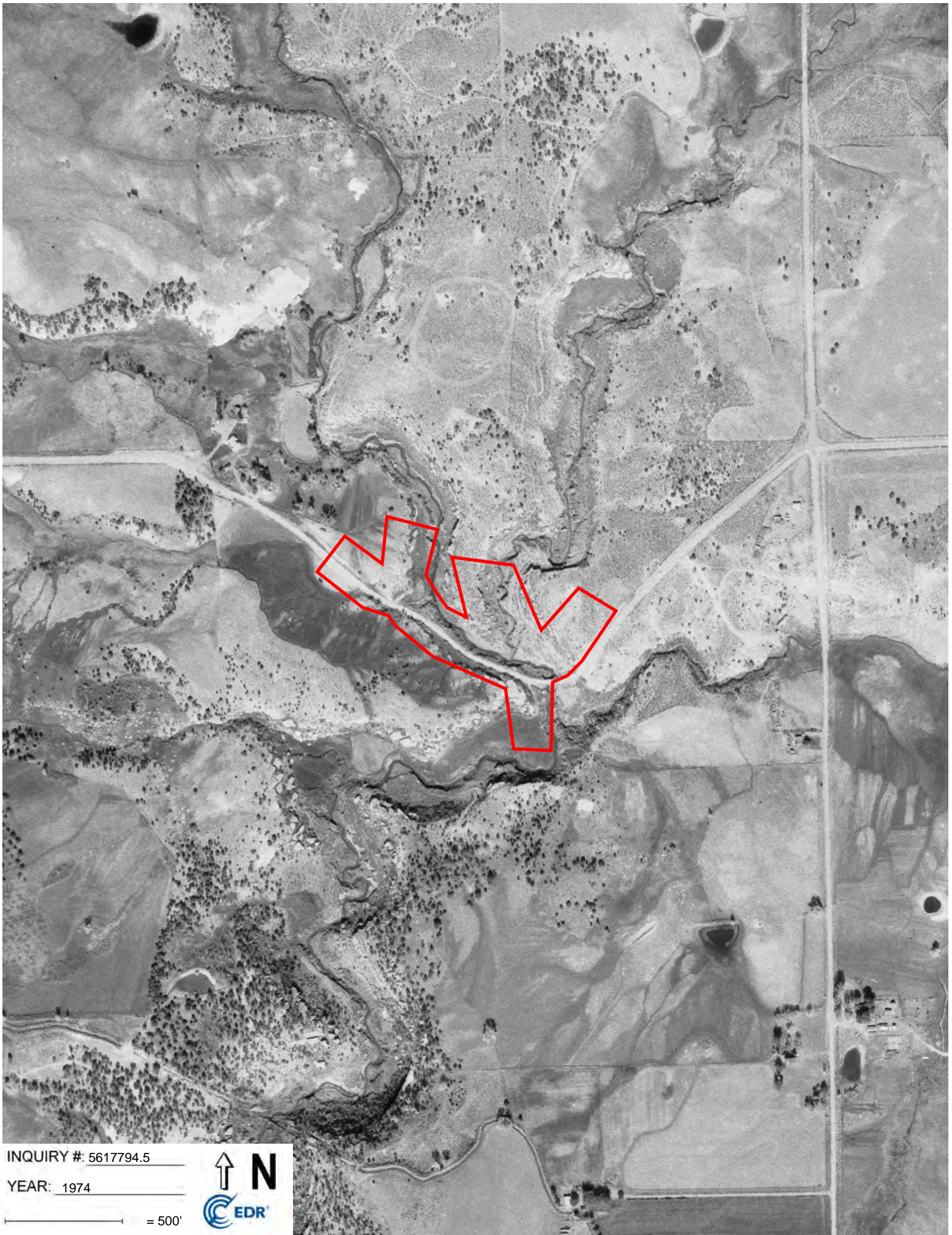


INQUIRY #: 5617794.5

YEAR: 1978

— = 500'



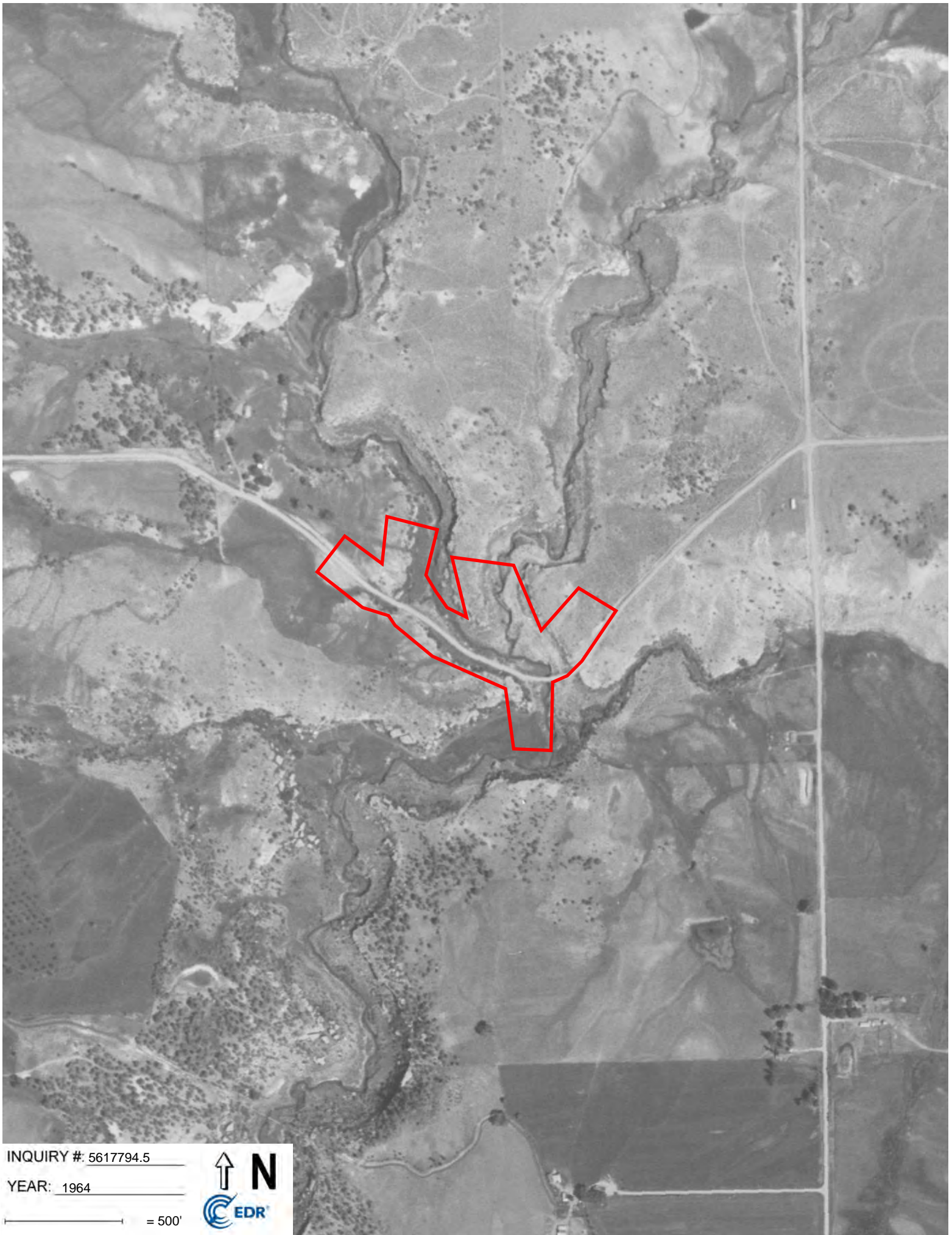


INQUIRY # 5617794.5

YEAR: 1974

— = 500'



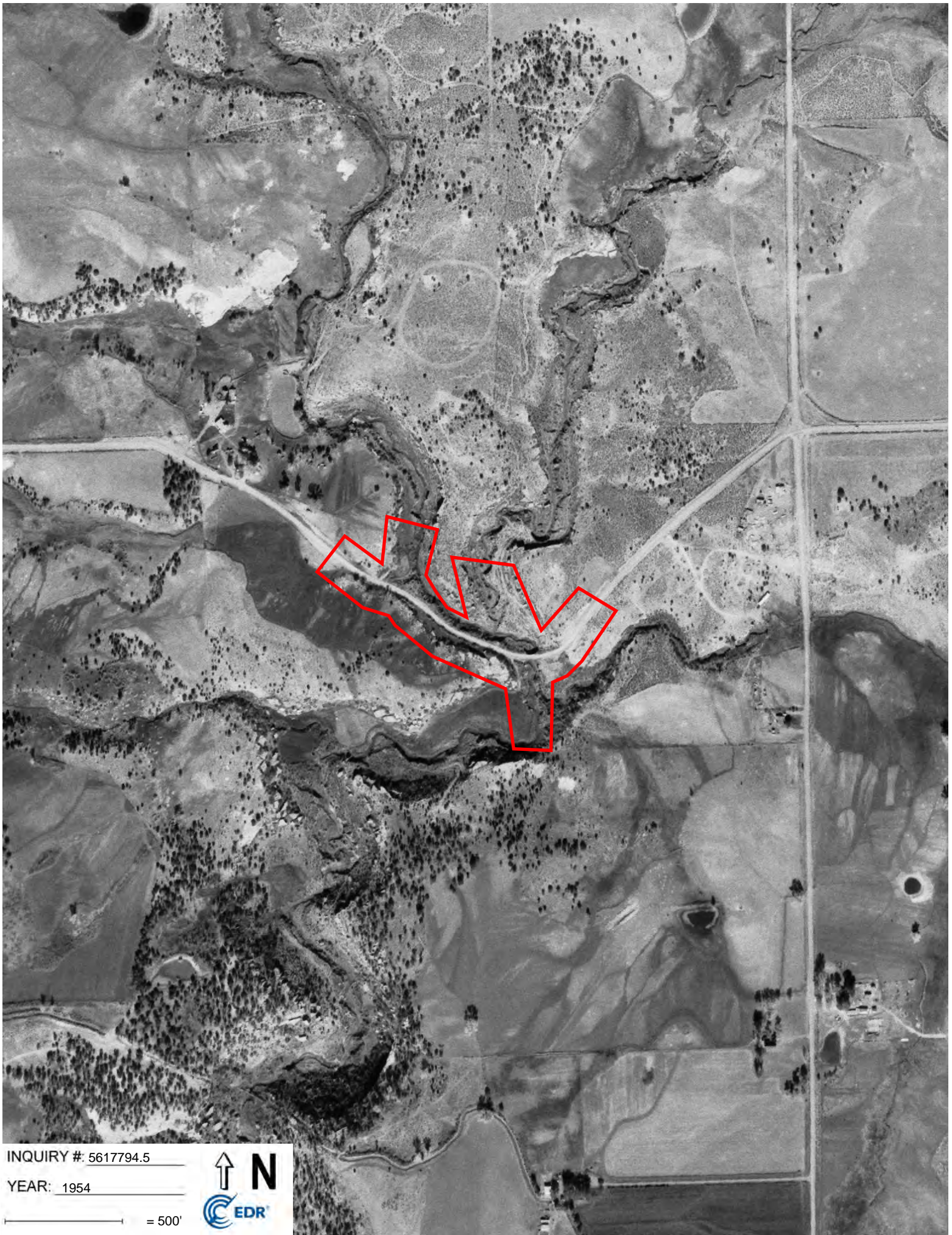


INQUIRY #: 5617794.5

YEAR: 1964

— = 500'





INQUIRY #: 5617794.5

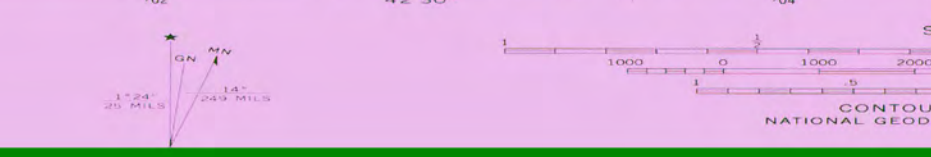
YEAR: 1954

— = 500'





Mapped, edited, and published by the Geological Survey
Control by USGS and USGS/USGS
Topography by photogrammetric methods from aerial
photographs taken 1964. Contours 1965.
Polyconic projection, 1927 North American Datum.
10,000-foot grid based on Colorado coordinate system,
south zone.
1000-meter Universal Transverse Mercator grid ticks;
only 1/2 shown in blue.



ROAD CLASSIFICATION
Heavy-duty ——— Light-duty ———
Medium-duty ——— Unimproved dirt ———
U. S. Route ——— State Route ———

Fine red dashed lines indicate selected fence lines.
There may be private inholdings within the boundaries of
the National or State reservations shown on this map.
Map photoinspected 1979.
No major culture or drainage changes observed.

UTM GRID AND 1983 MAGNETIC NORTH
Scale 1:24,000
To place on the predicted North American Datum 1983
move the projection lines 3 meters north and
56 meters east as shown by dashed corner ticks.

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80226, OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION

ARRIOLA, COLO.
37108-D6-TF-024
1983
PHOTOINSPECTED 1979
DMA 4258-1 RW-SERIES 7877





U.S. DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY



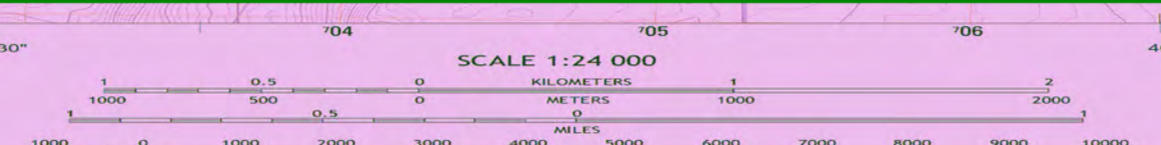
ARRIOLA QUADRANGLE
COLORADO-MONTEZUMA CO.
7.5-MINUTE SERIES

37°30' 108°45' XG YG 100 01 02 03 04 05 06 07 08 2 000 000 FEET 09 108°37'30"



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83). Projection used:
1,000-meter Grid Universal Transverse Mercator Zone 12S
10,000-foot Grid Colorado Coordinate System of 1983 (ccs83)

UTM GRID AND 2011 MAGNETIC NORTH



ROAD CLASSIFICATION

- Expressway
- Secondary Hwy
- Local Connector
- Local Road
- US Route
- State Route

ARRIOLA LOCATION

Blank 7.5-minute quadrangle, 2013
Horizontal datum: North American Datum of 1983 (NAD83)
Vertical datum: North American Vertical Datum of 1988
Boundary: 7.5-minute series
Boundary: 7.5-minute series
Public Land Survey System

DECLINATION AT CENTER OF SHEET

Year	Magnetic North	True North
1983	11° 24'	11° 18'
2013	11° 24'	11° 18'

CONTOUR INTERVAL 20 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988
This map was produced to conform with the
National Geospatial Program US Topo Product Standards, 2011.
A metadata file associated with this product is draft version 0.6.14

Product View	Web	Mobile
Arriola	Arriola	Arriola
Scale	Scale	Scale
Arriola	Arriola	Arriola

ARRIOLA, CO
2013

ADJOINING 7.5 QUADRANGLES



U.S. DEPARTMENT OF THE INTERIOR
U. S. GEOLOGICAL SURVEY



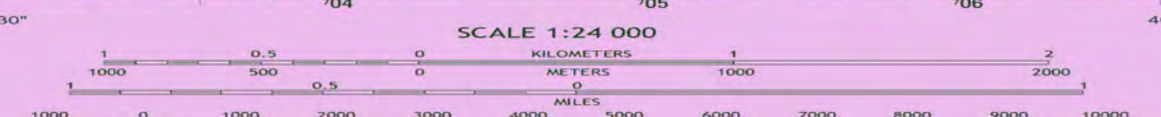
ARRIOLA QUADRANGLE
COLORADO-MONTEZUMA CO.
7.5-MINUTE SERIES

37°30' 108°45' 00 01 02 03 04 05 06 07 08 09 108°37'30"



37°22'30" 108°45' 00 01 02 03 04 05 06 07 08 09 108°37'30"

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83). Projection used
1:250,000 scale Universal Transverse Mercator Zone 12S
10 000-foot scale Colorado Coordinate System of 1983 (CCS83)



UTM GRID AND 2011 MAGNETIC NORTH

Blank map data provided by the National Map Accuracy Act of 1992. 2011
Photography provided by the National Map Accuracy Act of 1992.
Boundary data provided by the National Map Accuracy Act of 1992.
Public Land Survey System provided by the National Map Accuracy Act of 1992.

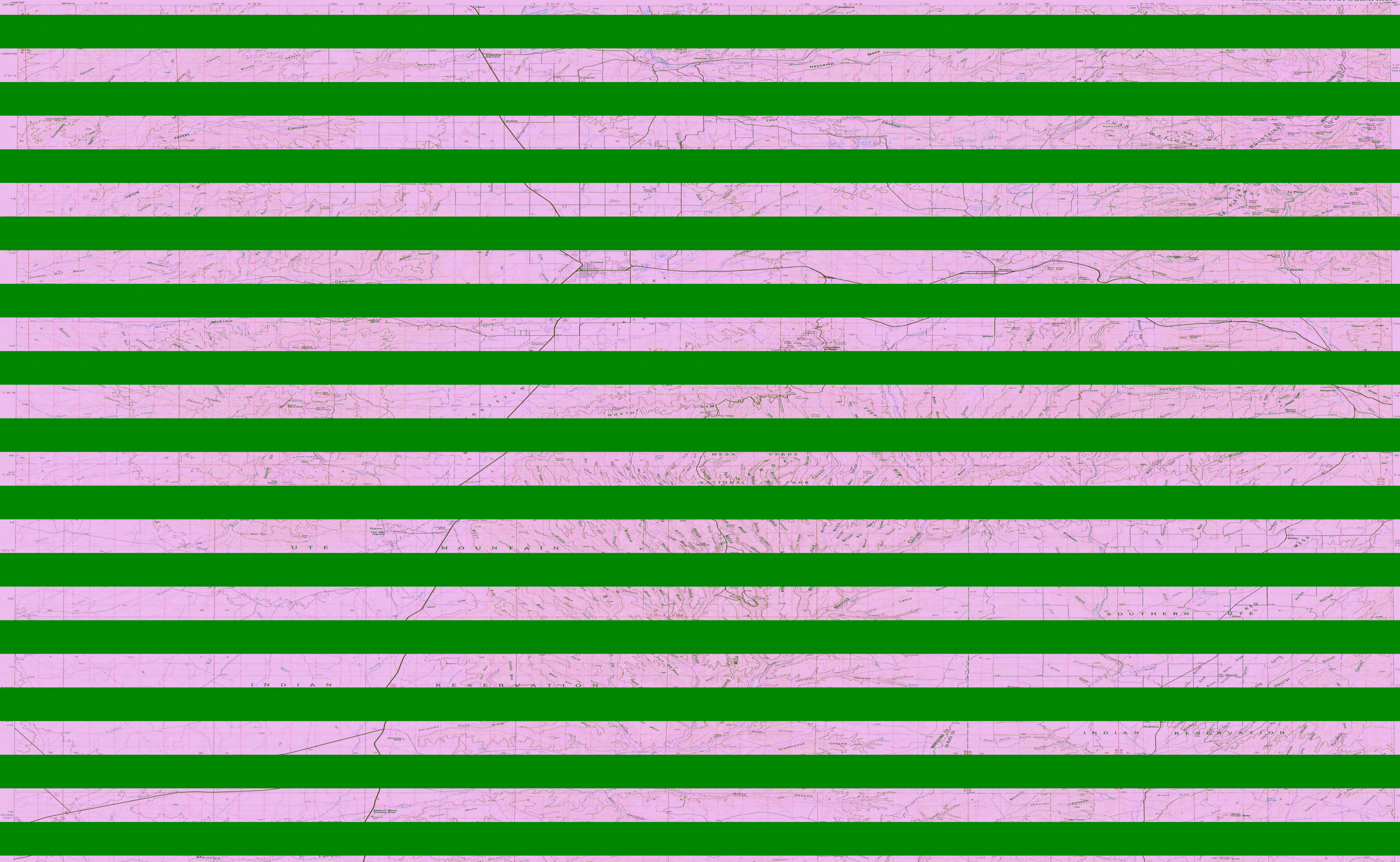
DECLINATION AT CENTER OF SHEET	
U.S. National Grid	18° 11' 14.4"
Local Grid	18° 11' 14.4"
Local Grid	18° 11' 14.4"

CONTOUR INTERVAL 20 FEET
NORTH AMERICAN VERTICAL DATUM OF 1983
This map was produced to conform with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.14

Product View	Writer	Reviewer
Web	Jan Kell	Phyllis
Print	Arriola	Phyllis
Blank	Arriola	Phyllis

ARRIOLA, CO
2013

JOINING 7.5 QUADRANGLES



1:100 000-scale metric topographic map of Cortez, Colorado

CORTEZ COLORADO

30 X 60 MINUTE QUADRANGLE SHOWING Contours and elevations

- In meters
- Highways, roads and other manmade structures
- Water features
- Woodland areas
- Geographic names



1982

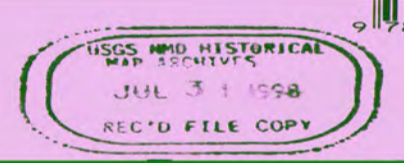
Compiled from 1:50,000-scale topographic maps dated 1963-1973. Partly revised from aerial photographs taken 1975 and 1976, and other source data. Revision authorized for field checks. Map dated 1982.

Intersections in given in USGS Bulletin 1872. There may be other subdivisions within the boundaries of the National or State reservations shown on this map.

CONTOUR INTERVAL 50 METERS NATIONAL GEODETIC VERTICAL DATUM OF 1929

FOR SALE BY U.S. GEOLOGICAL SURVEY, BOX 25886, DENVER, COLORADO

CONVERSION TABLE		DECLINATION CORRECTOR		MAGNETIC	
Meters	Feet	Year	Declination	Year	Magnetic
1000	3280	1980	11° 50'	1980	11° 50'
2000	6560	1981	11° 51'	1981	11° 51'
3000	9840	1982	11° 52'	1982	11° 52'
4000	13120	1983	11° 53'	1983	11° 53'
5000	16400	1984	11° 54'	1984	11° 54'
6000	19680	1985	11° 55'	1985	11° 55'
7000	22960	1986	11° 56'	1986	11° 56'
8000	26240	1987	11° 57'	1987	11° 57'
9000	29520	1988	11° 58'	1988	11° 58'
10000	32800	1989	11° 59'	1989	11° 59'



Topographic Map Symbols

- Primary Highway, hard surface
- Secondary Highway, hard surface
- Light duty road, gravel or improved surface
- Minor road or street, dirt or gravel
- Railroad, standard gauge, narrow gauge
- Single-track, unimproved
- Tunnel, road, railroad
- Well, oil, water, electric
- Boundary, mining, land, leasing, etc.
- National Reservation boundary
- County boundary
- Division of State Reservation boundary
- Local grid boundary
- U.S. Public Land Survey range, township, section
- Range, township, section line, protected
- Range, township, section line, unprotected
- Range, township, section line, proposed

- Scale, feet
- Contour, 100-foot interval
- Minor spot, salt or sand, quarry, gravel pit
- Contour, 100-foot interval, 10-foot contour
- Bluffs, cliff, overhang
- Contour, 100-foot interval, 10-foot contour
- Contour, 100-foot interval, 10-foot contour
- Contour, 100-foot interval, 10-foot contour
- Contour, 100-foot interval, 10-foot contour
- Contour, 100-foot interval, 10-foot contour
- Contour, 100-foot interval, 10-foot contour

Scale 1:100 000. 1 CENTIMETER ON THIS MAP EQUALS 1 KILOMETER OR 0.62 MILE. CONTOUR INTERVAL 50 METERS.

CORTEZ, COLORADO 37108-A1-TM-100 14982



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LEGEND

POPULATED PLACES:
 Over 100,000
 50,000 to 100,000
 25,000 to 50,000
 10,000 to 25,000

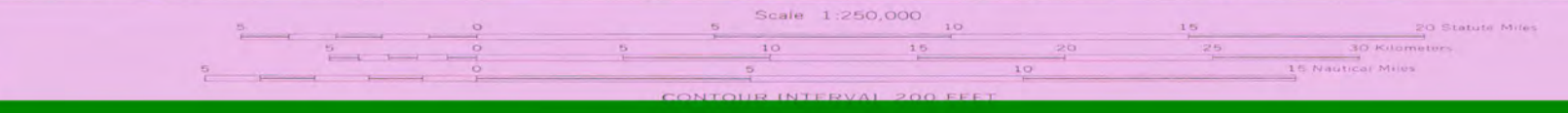
**LOS ANGELES
 OMAHA
 GALVESTON**

Legend Symbols:
 Contour interval: 100 feet
 Contour interval: 50 feet
 Contour interval: 20 feet
 Contour interval: 10 feet
 Contour interval: 5 feet
 Contour interval: 1 foot

Legend Symbols:
 Interstate highway
 Federal highway
 State highway
 County highway
 Road
 Path

Legend Symbols:
 Interstate highway
 Federal highway
 State highway
 County highway
 Road
 Path

Legend Symbols:
 Interstate highway
 Federal highway
 State highway
 County highway
 Road
 Path



LOCATION DIAGRAM FOR NJ 12-9

100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W
100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W
100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W

RELIABILITY DIAGRAM

The reliability diagram shows the map's coverage area and the reliability of the data. It includes a grid of latitude and longitude lines and labels for major geographical features and states.

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LEGEND

POPULATED PLACES:
 Over 100,000
 50,000 to 100,000
 25,000 to 50,000
 10,000 to 25,000

**LOS ANGELES
 OMAHA
 GALVESTON**

Legend Symbols:
 Contour interval: 100 feet
 Contour interval: 50 feet
 Contour interval: 20 feet
 Contour interval: 10 feet
 Contour interval: 5 feet
 Contour interval: 1 foot

Legend Symbols:
 Interstate highway
 Federal highway
 State highway
 County highway
 Road
 Path

Legend Symbols:
 Interstate highway
 Federal highway
 State highway
 County highway
 Road
 Path

Legend Symbols:
 Interstate highway
 Federal highway
 State highway
 County highway
 Road
 Path



LOCATION DIAGRAM FOR NJ 12-9

100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W
100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W
100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W	100° 00' 00" W

RELIABILITY DIAGRAM

The reliability diagram shows the map's coverage area and the reliability of the data. It includes a grid of latitude and longitude lines and labels for major geographical features and states.

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APPENDIX B

Summary of Sites with Potential Environmental Concerns

Summary of Sites with Potential Environmental Concerns

Finding 1. Potential Lead Based Paint, 37.397615,-108.649538

This finding is located within the project area and was observed on the bridge guardrail and other steel structures (**Figure 2, Appendix D**). This paint was applied as a thick coat and is currently flaking off of the metal bridge structures. The construction of the bridge occurred prior to 1980 and the green paint observed on bridge structures may contain lead paint.

It is SME's opinion that this finding could potentially be a lead based paint and is, therefore, considered a *Potential Environmental Condition*.

APPENDIX C

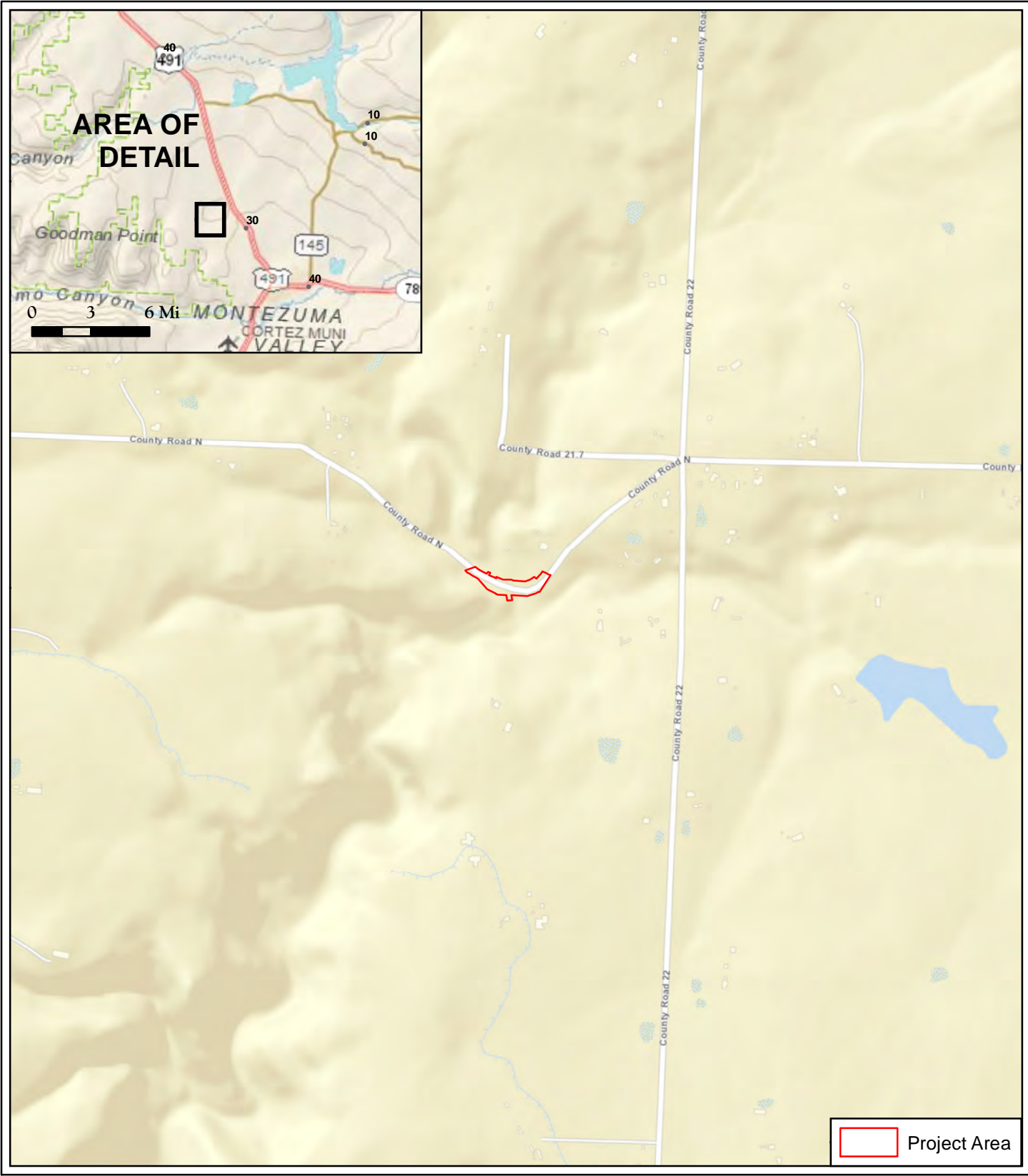
Summary of Sites Selected for Detailed Review and Sites with Recognized Environmental Conditions

Summary of Sites Selected for Detailed Review and Sites with Recognized Environmental Conditions

No sites were selected for off-site review and no Recognized Environmental Conditions were found.

APPENDIX D


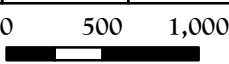
Figures of Sites with Potential and Recognized Environmental Conditions



 Project Area



ENVIRONMENTAL CONSULTANTS
 679 East 2nd Ave. Unit E2, Durango, Colorado 81301
 www.sme-env.com (970) 259-9595

Drawn by:	Rvwd. by:	Project No.:
KB	CC	180052
Date:	CDOT:	Scale:
8/19/2020	22521	1:12,000
  Feet		

ROAD VICINITY MAP

MESA
 ALKALI CREEK BRIDGE
 REPLACEMENT

MONTEZUMA COUNTY, CO.

FIGURE
1

Sources: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community, Sources: Esri, Garmin, USGS, Copyright (c) 2018 Garmin



LEGEND	Finding				
	Project Area				
		Findings			
	Number	Name	Address	Description	
	1	Suspect Lead Paint	Target Property	Potential Environmental Condition	
	2	Oil Can	Target Property	De Minimis	

 SME ENVIRONMENTAL CONSULTANTS 679 East 2nd Ave. Unit E2, Durango, Colorado 81301 www.sme-env.com (970) 259-9595	Drawn by:	Rvwd. by:	Project No.:	FINDINGS MAP	
	KB	CC	180052		
	Date:	CDOT:	Scale:	MESA REPORT MONTEZUMA CO CRN ALKALI CRK BRO C320-004 PROJECT MONTEZUMA COUNTY, COLORADO	
	7/23/2020	22521	1" = 91'		
				FIGURE 2	

APPENDIX E

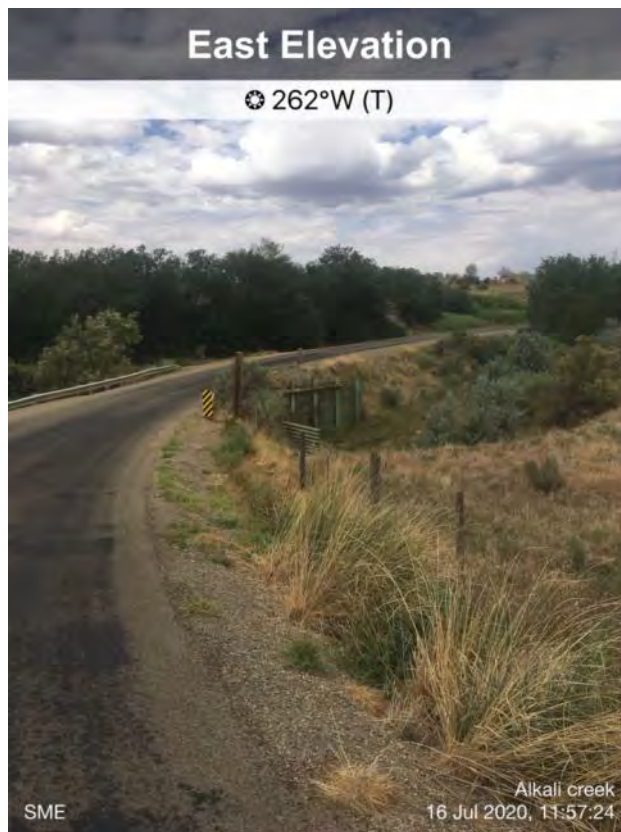
Photographic Log

Photo No. 01



Description: General site characteristics and adjacent miscellaneous debris

Photo No. 02



Description: General site characteristics

Photo No. 03



Description: General site characteristics

Photo No. 04



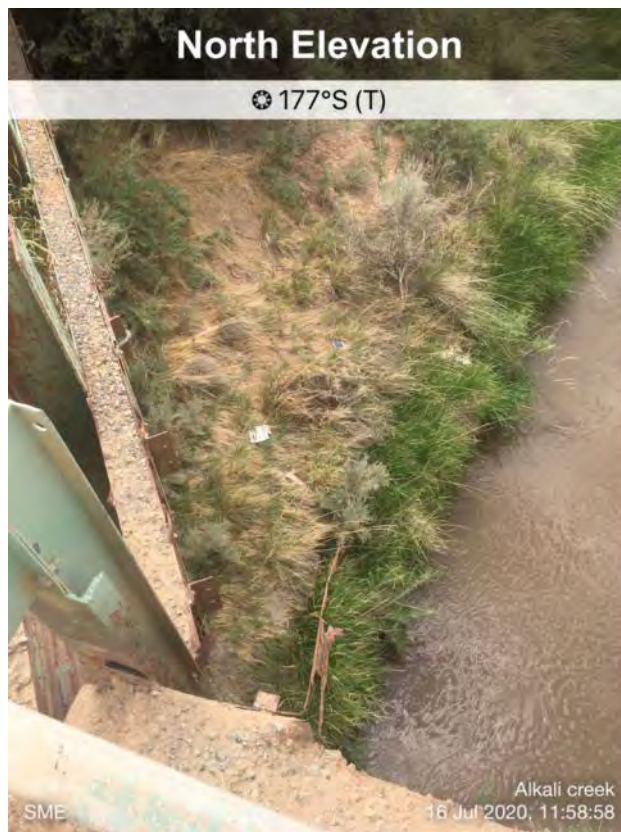
Description: Paint on guardrail (lead?)

Photo No. 05



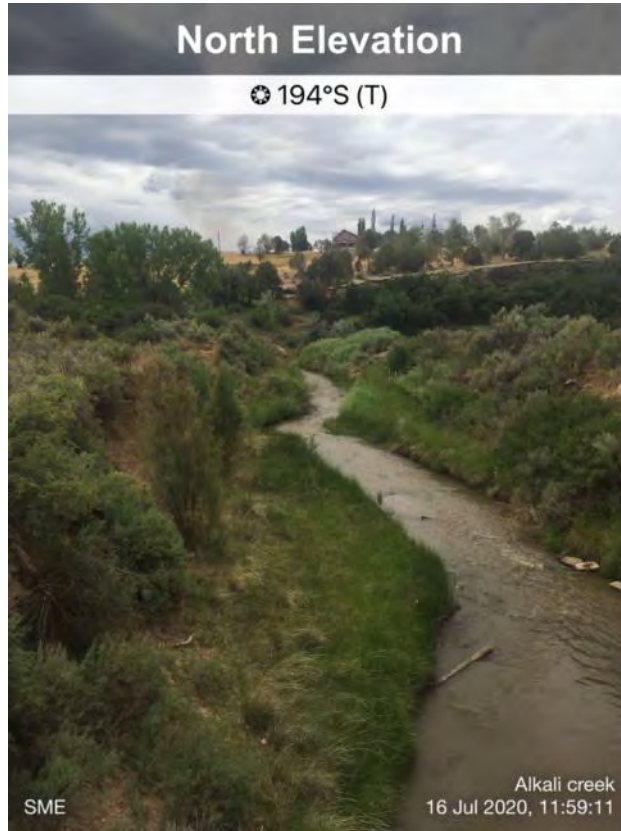
Description: Paint on guardrail and metal bridge structures (lead paint?)

Photo No. 06



Description: General site characteristics, minor debris

Photo No. 07



Description: General site characteristics

Photo No. 08



Description: General site characteristics

Photo No. 09



Description: General site characteristics

Photo No. 10



Description: tires

Photo No. 11



Description: General site characteristics

Photo No. 12



Description: roadside debris

Photo No. 13



Description: tire

Photo No. 14



Description: General site characteristics

Photo No. 15



Description: roadside debris

Photo No. 16



Description: small oil container with minor spill

Photo No. 17



Description: General site characteristics

Photo No. 18



Description: adjacent shed and trash barrel (drum)