

Marshall Mountain

5250 Marshall Canyon Road Missoula, Montana

March 2024



Phase I Environmental Site Assessment

Marshall Mountain 5250 Marshall Canyon Road Missoula, Montana 59802

Prepared for:

Missoula County Brownfields Program 127 East Main – Office Location 200 West Broadway – Mailing Address Missoula, Montana 59802

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EXECUTIVE SUMMARY

This report presents the results of a Phase I Environmental Site Assessment (ESA) for the Marshall Mountain property in Missoula, Montana (subject property). NewFields completed this ESA on behalf of Missoula County as part of an environmental due diligence process. To complete the Phase I ESA, NewFields reviewed previous Phase I and II ESAs, photographs, maps, and government records; interviewed individuals with knowledge of the subject property; and obtained and reviewed regulatory database search reports. NewFields also completed a site visit and visual survey of the subject property. Review of this information did not identify any Recognized Environmental Conditions (RECs) associated with the subject property.

Although not classified as RECs, previous assessment identified hazardous building materials in-place at the subject property. NewFields conducted a Phase II ESA Building Materials Inspection (BMI) in June of 2023. The BMI report identified Category I and II Asbestos-Containing Building Materials (ACBMs), Regulated Asbestos-Containing Materials (RACM), Lead-Based Paint (LBP), and suspect mercury-containing equipment on the property. NewFields recommends abatement of asbestos in accordance with regulations from Montana Department of Environmental Quality (DEQ) and EPA, lead exposure monitoring during future construction or demolition per Occupational Safety and Health Administration (OSHA) requirements, and removal or recycling of mercury-containing fluorescent light tubes. Details regarding the locations and types of hazardous building materials can be found in the Phase II ESA report (NewFields, 2023b).

1.0 INTRODUCTION

This report presents the results of a Phase I Environmental Site Assessment (ESA) for the three parcels located at 5250 Marshall Canyon Road northeast of Missoula, Montana (subject property; **Figures 1** and **2**). NewFields Companies, LLC (NewFields) completed this ESA on behalf of the Missoula County Brownfields Program. This ESA was conducted in accordance with the ASTM International (ASTM) Standard E2247-16: Phase I Environmental Site Assessment Process for Forestland or Rural Property (ASTM, 2016). The Standard complies with U.S. Environmental Protection Agency (EPA) All Appropriate Inquiries (AAI) Final Rule (40 Code of Federal Regulations (CFR) 312.20).

1.1 Purpose

The purpose of the ESA is to compile and review available information about the subject property, adjoining properties, and properties in the immediate vicinity to identify Recognized Environmental Conditions (RECs) to the extent feasible pursuant to ASTM E E2247-16. According to the ASTM Standard, a REC is defined as:

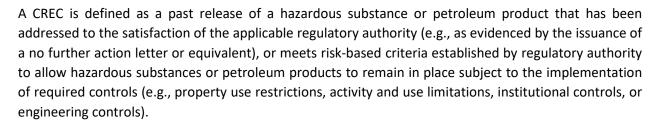
"...the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions."

The term includes hazardous substances or petroleum products even under conditions in compliance with environmental laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to public health or the environment, and that generally would not be the subject of an enforcement action if brought to the attention of appropriate regulatory agencies.¹

In accordance with the ASTM Standard, readily available information has been researched in the preparation of this ESA to assist in determining whether a (1) recognized environmental condition (REC), (2) historical recognized environmental condition (HREC), (3) controlled recognized environmental condition (CREC), and/or (4) de minimis condition exists at the target property.

An HREC is defined as a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority and without subjecting the property to any required controls (e.g., property use restrictions, activity and use limitations, institutional controls, or engineering controls).

¹ The AAI Final Rule applies to "...conditions indicative of releases and threatened releases of hazardous substances... (and) petroleum or petroleum products which are excluded from the definition of hazardous substance..." (40 CFR 312.1).



1.2 REASON FOR PERFORMING ESA

The County commissioned this Phase I ESA to evaluate environmental conditions at the subject property as part of a due diligence process. This ESA has been prepared using the ASTM Standard and constitutes "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined at 42 United States Code (U.S.C.) §960 I (35)(B).

1.3 SCOPE OF SERVICES

The scope of services for this ESA included the following tasks:

- A site visit and visual observation of the subject property and adjoining property conditions for indications of releases or threats of release of hazardous substances and/or petroleum products;
- Review of federal and state environmental database information concerning petroleum and hazardous chemical storage and use, as available;
- Review of historical resources, including aerial photographs and topographic maps; and
- Preparation of this Phase I ESA report.

1.4 EXCLUSIONS

The following were not included as part of the ESA for the subject property:

- Collection and analysis of soil, air (including radon), water, or building material samples;
- Surveys for lead-based paint (LBP), asbestos-containing materials (ACM), or mold;
- Reconnaissance of Polychlorinated Biphenyls (PCB) in light fixtures or electrical transformers;
- Wetland assessment;
- Threatened and endangered species survey;
- Chain-of-title search;
- Environmental lien search; or
- Cultural or historic surveys.

1.5 SIGNIFICANT ASSUMPTIONS

On-site groundwater data was not available during completion of this Phase I ESA. Shallow groundwater beneath the subject property likely follows topography toward Marshall Creek. Direction toward Marshall Creek varies across the subject property.

1.6 OTHER ASSUMPTIONS, LIMITATIONS AND EXCEPTIONS

NewFields prepared this ESA using reasonable efforts to identify RECs associated with hazardous substances and petroleum products at or near the subject property consistent with guidance described in the ASTM Standard. Within limitations of the agreed-upon scope of work and the ASTM Standard, this assessment has been conducted in a professional manner in accordance with generally accepted practices, using the degree of skill and care ordinarily exercised by environmental consultants under similar circumstances. No other warranties, expressed or implied, are made.

Reasonable efforts have been made to assess the subject property. "Reasonable efforts" are limited to information gained from visual observations of largely unobstructed and/or accessible areas, recorded database information held in the public record, and available information obtained during interviews.

This report does not constitute legal advice, nor does NewFields make any determination or recommendations regarding the decision to purchase, sell, acquire, or provide financing for the subject property.

Time Constraint

The opinions and conclusions presented in this report are based on site conditions observed and information reviewed at the time of the completion of the individual environmental site assessment elements. Information pertaining to site conditions or changes may exist of which we are unaware, or which we have not had the opportunity to evaluate within the time available for this ESA.

Uncertainty Not Eliminated

Per the ASTM Standard, no ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. The use of the ASTM standard is intended to reduce, but not eliminate, this uncertainty. Due to physical limitations inherent to this or any environmental assessment, NewFields does not warrant the subject property is free of pollutants or that all pollutants have been identified. This report is not definitive and should not be assumed to be a complete or specific definition of all conditions above or below grade. Some features may have been hidden from plain view during the site reconnaissance due to snow cover, pavement, construction or debris pile storage, or other obstructions. Subsurface conditions may differ from the conditions implied by the surface observations and can only be evaluated reliably through intrusive techniques. As such, no absolute determination of environmental risks is made. NewFields makes no representation or warranty that past or current operations at the subject property are or have complied with applicable federal, state, and local laws, regulations, and/or codes.

Reliance on Information Provided by Others

NewFields has relied upon reasonably ascertainable information provided by others in the evaluation of environmental site conditions reported herein. NewFields did not attempt to provide independent verification of the accuracy or completeness of that information. To the extent that the opinions and conclusions in this report are based in whole or in part on such information, those conclusions are contingent upon its accuracy and validity. NewFields assumes no responsibility for any consequence arising from any information or condition that was concealed, withheld, misrepresented, or otherwise not fully disclosed or available to NewFields.

The regulatory database report provided herein is based on an evaluation of data collected and compiled by a subcontracted data research company in accordance with the ASTM standard. The focus of the database review is on the subject property and neighboring properties within specified search distances that are listed on governmental databases. The information provided in the regulatory database report is assumed to be correct and complete unless obviously contradicted by field observation or other reviewed resources.

Regardless of the findings of this report, NewFields is not responsible for consequences or conditions arising from facts that were concealed, withheld, or not fully disclosed at the time the assessment was conducted. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present at any locations not investigated.

1.7 SPECIAL TERMS AND CONDITIONS (USER RELIANCE)

NewFields prepared this ESA report for Missoula County. Their rights are bound by the provisions of the Client Services Agreement with NewFields. The County may release this report to other parties; however, such third party in using this report agrees that it shall have no legal recourse against NewFields, its parent, or its subsidiaries. Neither NewFields nor any of its affiliates, nor any of their respective past, present or future members, managers, employees, agents, representatives, advisors, subcontractors or controlling persons (collectively the "NewFields Parties") shall have any liability to any person or entity asserting claims on behalf of or in the right of the County related to or arising out of this report or any actions taken or omitted to be taken by any of the NewFields Parties in connection therewith. This report may not be submitted, distributed, or filed, in whole or in part, by the County to or with any party, governmental agency or regulatory body or authority, or summarized or quoted from, in each instance, without the prior review and written approval of NewFields. No party shall rely on this report without the written consent of NewFields.

A Phase I ESA whose elements are less than 180 days old is considered valid. Phase I ESA elements typically include the site inspection, interviews, records review, environmental lien search (if applicable), and Environmental Professional declaration. The table below identifies key dates associated with this Phase I ESA. Any party relying on any finding in this report more than 180 days from the date of its earliest element does so at its own risk.

Table 1-1. Key Dates Associated with the Phase I ESA

Report Element	Date Published/Conducted
Interviews	January 30, 2024, and February 27, 2024
Site Visit	February 21, 2024
Records Review	January 23, 2024
Environmental Professional Declaration	March 19, 2024

2.0 SITE DESCRIPTION

2.1 LOCATION AND LEGAL DESCRIPTION

The subject property contains three parcels northeast of Missoula, Montana (Figures 1 and 2). The approximate latitude and longitude of the subject property are 46.9197° North and 113.9067° West, respectively. Subject property elevations range from approximately 3,850 feet above mean sea level (amsl) along the western boundary to approximately 5,050 feet amsl in the north and southeast. The subject property encompasses a total area of approximately 481 acres (Figure 2). Property records from the State of Montana are provided in Appendix A.

2.2 SITE AND VICINITY GENERAL CHARACTERISTICS

2.2.1 General Site Setting

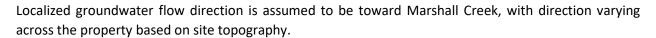
The subject property comprises rural forest land on the southwestern face of Marshall Mountain, located approximately five miles northeast of downtown Missoula, Montana, (Figures 1 and 2). The property is primarily surrounded by the Lolo National Forest in all directions. Marshall Creek flows southwest down the valley and Marshall Canyon Road ends in the southwest corner of the property near the lower base area (Figure 3). Several manmade recreational trails occupy the southern regions of the property while the northernmost parcel has rugged, natural terrain. Buildings and other structures are located near the lower base area (Figure 3). In the mid-mountain area owned by Five Valleys Land Trust, there are structures associated with a former ski hill operation (Figure 2).

2.2.2 Geology, Soils and Groundwater

Missoula lies in an intermountain valley approximately 35 square miles in size. The valley is a fault-bonded basin that was likely formed because of horizontal extension resulting from Laramide thrusting during the Cretaceous and middle Eocene time periods (Woessner, 1988). Basin-fill deposits in the valley consist of low-permeability Tertiary sediments that reach thicknesses of 2,500 feet, and Quaternary alluvial and lacustrine sediments which are less than 100 feet thick in most areas. These sediments are associated with various phases of glaciation, including bedded silt and clay from Glacial Lake Missoula (LaFave, 2006). The Rattlesnake Hills bound the valley on the north, the Sapphire Mountains are on the east, the Bitterroot Range lies to the south, and the Ninemile Divide bounds the valley on the west. The subject property lies in the mountains that bound the eastern edge of the Missoula Valley.

Soil series mapped on the subject property by the U.S. Department of Agriculture (USDA, 2024) are primarily Mitten-Tevis complex with minor components of Beeskove and Lantern. Other major components include Winkler-Kadygulch family, Tevis gravelly loam, Holloway gravelly ashy silt, Evaro gravelly loam, and Winkler-Rubble land complex.

The State of Montana's Ground-Water Information Center (2024) database does not contain any records for wells in Township 13 North, Range 18 West, Section 5 or Township 14 North, Range 18 West, Section 32. However, the database does have a record for a natural spring in Township 13 North, Range 18 West, Section 5 on the subject property (**Appendix B**). According to the database, the nearest well to the subject property lies in Township 13 North, Range 18 West, Section 6 and has a total depth of 90 feet below ground surface (bgs) with a static water level of 35 feet bgs.



2.3 CURRENT USE OF SUBJECT PROPERTY

The subject property is currently used for recreational activities that include mountain biking, hiking, and skiing.



3.1 Purpose of ESA

After the expiration of the previous Phase I ESA conducted by NewFields (2023a), Missoula County (County) commissioned this Phase I ESA to evaluate environmental conditions at the subject property as part of a due diligence process.

3.2 SPECIALIZED KNOWLEDGE

The City of Missoula provided a Water Quality Testing Report issued by Water Technologies Laboratory (2021). The document summarizes the results of a water quality test performed on the natural spring uphill from the Main Base Building. The report indicates there are no coliforms or *E. Coli* present in the water, and that the spring is safe to drink.

The City of Missoula also provided NewFields with two building inspection reports completed by Shelter Works Home Inspections (2021) that record the conditions of the Main Base and Lodge buildings in July 2021 (Figure 3). The reports indicate there had been considerable damage to the buildings, likely due to age and lack of use. Inspections for hazardous building materials such as asbestos and lead-based paint were outside the scope of the provided building inspection reports.

In February of 2023, the County commissioned NewFields to conduct a Phase I ESA to evaluate environmental conditions at the subject property as part of a due diligence process. NewFields reviewed photographs, maps, and government records; interviewed individuals with knowledge of the subject property; and obtained and reviewed regulatory database search reports. NewFields also completed a site visit and visual survey of the subject property. No RECs were identified at that time.

An inspection for asbestos-containing building materials (ACBMs) and lead-based paints (LBP), however, was outside the scope of the previous Phase I ESA, and these materials were viewed as potentially present on the subject property. NewFields recommended an assessment of building materials on the subject property prior to any major renovations or demolition in accordance with Montana law (NewFields, 2023a).

To address this, NewFields conducted a Phase II ESA Building Materials Inspection (BMI) for all buildings on the subject property in June of 2023. The BMI report identified Category I and II ACBMs, regulated asbestos-containing materials (RACM), LBP, and suspect mercury-containing equipment on the property. Recommendations included abatement of ACBMs and RACMs per Montana Department of Environmental Quality (DEQ) and EPA regulations, lead exposure monitoring during future construction or demolition per Occupational Safety and Health Administration (OSHA) regulations, and removal or recycling of mercury-containing fluorescent light tubes. Details regarding the locations and materials sampled for asbestos, LBP locations, and other information can be referenced in the Phase II ESA (NewFields, 2023b).

3.3 Environmental Lien Search and/or Activity and Use Limitations

NewFields is not aware of any environmental liens or Activity & Use Limitations (AULs) for the subject property.

3.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

All reviewed information for the subject property and surrounding areas is discussed **Section 4.0**.

3.5 Value Reduction for Environmental Issues

NewFields was not provided an appraisal or selling price for the subject property. Therefore, a selling price to value comparison was not performed as part of this ESA. Property records for the three parcels are included in **Appendix A**. A valuation reduction due to perceived environmental issues may affect the property; however, a list of values for similar properties in the area without perceived environmental problems was not developed. Therefore, NewFields did not determine a quantifiable reduction in the value of the subject property.

3.6 Property Owner Information

Each of the three legal parcels has a distinct owner. At the time NewFields assembled records for this Phase I ESA, the current property owners were Izzy Dog LLC, Five Valleys Land Trust, and The Conservation Fund (Figure 2). Property records for all three parcels are included as **Appendix A**.

3.7 OTHER

No other information was provided to NewFields.

4.0 RECORDS REVIEW

The records reviewed for this ESA included standard environmental databases and readily available historical information for both the subject property and adjoining properties. The following sections summarize relevant information from these documents.

4.1 STANDARD ENVIRONMENTAL RESOURCES

NewFields retained Environmental Data Resources, Inc. (EDR) to search federal, state, and tribal environmental regulatory databases for properties with documented environmental releases and/or those that use, store, or dispose of regulated chemicals. EDR prepared the Radius Map Report (Appendix C) by searching dozens of regulatory databases, including Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS), Underground Storage Tank (UST), Leaking Underground Storage Tank (LUST), Indian UST, Indian LUST, U.S. Brownfields, and Resource Conservation and Recovery Act (RCRA) hazardous waste databases. The distances of the database searches were consistent with those listed in the ASTM Standard (ASTM, 2016). Descriptions of the ASTM databases that were searched and a list of the regulatory database results are presented in Appendix C. The information provided by EDR is limited to what has been reported or registered in each database. The information was used to evaluate existing conditions and to determine whether surrounding properties could potentially affect soil or groundwater conditions at the subject property. The EDR report returned a total of one site listing.

4.1.1 On Site

EDR identified one environmental listing stating that the subject property is listed in the EPA's Assessment, Cleanup and Redevelopment Exchange System (ACRES). ACRES is an online database where Brownfield grantees can electronically submit data for their various Brownfields sites. The listing indicates the subject property's ACRES profile was last updated on October 15, 2020. The listing is an online entry by the County of the subject property as a location of-interest to Missoula County's Brownfields Program and is not considered a REC.

4.1.2 Off Site

EDR did not identify any environmental listings within a one-mile search radius of the subject property. Therefore, no off-site RECs were identified for the subject property based on the database search.

4.2 HISTORICAL INFORMATION

NewFields obtained historical aerial photographs (**Appendix D**) and topographic maps (**Appendix E**) from EDR. These historical resources are discussed in detail below. NewFields did not review other historical sources of information, such as Sanborn fire insurance maps, historical city directories, property tax records, and zoning/land use records. NewFields assumes that the above resources would likely not be available for this rural property. If they are available, they would likely not be useful for revealing historical uses of concern given the nature of the subject property.

4.2.1 Historical Aerial Photographs

Reasonably ascertainable historical aerial photographs for the subject property were reviewed from 1955, 1961, 1964, 1976, 1984, 1990, 1995, 2006, 2009, 2013, 2016, and 2019 (**Appendix D**). The aerial photographs reveal how the area has developed since the 1950's.

Marshall Canyon Road is visible running along the valley floor in each of the photographs. The 1955 photograph shows several trails and dirt roadways scattered throughout the northern regions of Marshall Mountain. The 1964 photo shows development of trails in the eastern and southern regions of the mountain. The area around the present-day lower base appears disturbed. The 1976 photo features buildings in the lower base area and the mid-mountain area. There are areas cleared of trees extending down the eastern side of the property toward the mid-mountain area that appear to be ski runs. The 1984 image is very similar with trails in the northern and southern portions of the subject property and cleared ski runs near the mid-mountain area. There is a large disturbance in the lower base region which could be a levelled parking area. There is little change to the subject property from 1984 to 2016. Trails in the northern region fade over time, but the buildings at the basecamp and mid-mountain regions as well as the ski runs and trails to the south remain the same. The 2019 photo shows an increase in developed trails in the mid-mountain region which transverse the cleared ski runs.

No RECs were identified based exclusively on the review of aerial imagery.

4.2.2 Historical Topographic Maps

Reasonably ascertainable historical topographic maps for the subject property and the surrounding lands were reviewed from 1903, 1964, 1976, 1999, 2014, 2017, and 2020 (**Appendix E**).

The topographic maps show Marshall Creek flowing out of the mountains from northeast to the southwest. Marshall Canyon Road is also visible paralleling the creek in each of the maps. Elevation increases to the north and east in each of the maps, peaking near 5,000 ft amsl. The 1964 map marks the base area as "Marshall Ski Area". The 1976 and 1999 maps feature several trails throughout the southern region of the subject property, as well as the ski runs and lifts in the southwestern and eastern parcels. The 2014-2020 maps no longer show the subject property as Marshall Ski Area and ski runs and lifts are not present. These maps label the surrounding areas as Lolo National Forest.

NewFields did not identify any RECs for the subject property based on historical topographic maps.

5.0 SITE VISIT

5.1 METHODOLOGY AND LIMITING CONDITIONS

Tait Aune of NewFields visited the lower southwest parcel of the subject property owned by Izzy Dog, LLC on February 21, 2024. Through discussions with Missoula County, no changes have occurred to the northernmost and easternmost parcels of the subject property or the interiors of the onsite structures. No site observations or visits were made to these areas or building interiors. Information and details regarding a visit to these parcels by NewFields staff can be referenced from the previous Phase I ESA report (NewFields, 2023a).

Mr. Aune performed a visual reconnaissance of the southwestern parcel by driving onsite roads and walking and recording visual observations of current conditions. The locations of noteworthy structures can be found in **Figure 3.** Notes and photographs documenting property conditions observed during the site visit are included as **Appendix F**, and general site photographs can be found in **Appendix G**.

5.2 ON-SITE OBSERVATIONS

The subject property consists of rural forest land on the southwestern face of Marshall Mountain and in the Marshall Creek drainage basin, located approximately five miles northeast of downtown Missoula, Montana (Figures 1 and 2). The property is surrounded by the Lolo National Forest in all directions. The US Forest Service land surrounding the property has many dirt roads and recreational trails. Topography consists of moderate to steep slopes (Figure 2). Marshall Creek runs southwest across the lower base area of the subject property. The uphill end of Marshall Canyon Road is in the southwest corner of the property. Several newer mountain biking trails exist throughout the southern and eastern portions of the property, and cleared areas historically used as ski runs were observed east of the lower base area (Figure 3). The ground surface was covered with snow during the site walkthrough and was not readily observable.

There are several vacant structures in the lower southwest portion of the subject property that are remnants of the abandoned ski resort. The two larger buildings on the east side of the lower southwest portion near the parking lot are the Lodge and the Main Base Building. These two buildings are in poor condition due to water damage and lack of use. A spring drains into a ditch that subsequently flows into Marshall Creek immediately east of the parking lot and southwest of the Main Base Building. (Figure 3).

Five outbuildings are located near the lower base area that were used for storage and maintenance (**Figure 3**). NewFields observed several drums and containers in the storage shacks near the lower base area. The southernmost of the two northwestern shacks contained two drums with unknown contents. Several 5-gallon or smaller containers of materials such greases, oils, oxyacetylene welding gases, and antifreeze are also stored in this shack. There are water pipes throughout the lower base area and a manmade pond is north of the two main buildings; these features were historically used for making snow.

Mr. Aune did not observe any ASTs, USTs, odors, processing equipment, sources of air emissions, stained soils, stressed vegetation, or stormwater systems on the subject property during the site visit.

No RECs were identified during the site visit.

5.3 SURROUNDING PROPERTIES

Information for surrounding properties is provided in **Sections 2.2.1** and **4.1.2.**

6.0 PROPERTY OWNER QUESTIONNAIRE & INTERVIEW

Mr. Rick Wishcamper, a managing member for Izzy Dog, LLC, completed a questionnaire related to current and historical land uses for the previous Phase I ESA conducted by NewFields (2023a). Mr. Wishcamper reviewed the previous questionnaire and confirmed that no changes to the property have occurred since the previous Phase I ESA; therefore, NewFields may refer to the information contained in the previous questionnaire and interview. NewFields also interviewed Mr. Gates Watson, the northwest director and vice-president of The Conservation Fund (Fund), which owns the northernmost parcel. The questionnaires and interview notes are included as **Appendix H**.

In the previous questionnaire, Mr. Wishcamper confirmed the property address is 5250 Marshall Canyon Road, and there are published histories outlining the chronology of the ski area and property ownership. He indicated he is not aware of any fill pipes, storage tanks, foul odors, leaks, spills, stains, or pits on the subject property. He was not aware of any hazardous substances or petroleum products on site, and he stated that the property does not have a history of environmental violations, lawsuits, liens, restrictions, or cleanup orders.

In Mr. Watson's questionnaire and interview, he stated that the Fund purchased the northernmost parcel of the subject property in 2023 from Jacobs Joint Venture LLP (Jacobs). Before acquisition by Jacobs, a Phase I ESA was conducted by the Fund prior to the property transfer. He indicated the parcel was a former timber property where timber cutting was conducted, and lumber removed via former timber roads. No residential, commercial, or industrial development has existed or is currently present on the site. There are no wells present, and water rights for the site are unknown. No studies have been conducted into land use or deed use restrictions; therefore, restrictions are presently unknown. Mr. Watson mentioned that insurable access is questionable due to the lack of easements across forest service property.

No RECs were identified for the subject property from the property owner questionnaires or interviews.

7.0 DATA GAPS

NewFields has performed this Phase I ESA for Missoula County in general conformance with the scope and limitations of the ASTM Standard (2016). Exceptions to or deviations/deletions from this practice (data gaps) include the following:

- The inability to identify property uses back to 1940 or the earliest developed use. Topographic maps provide some context of site location as early as 1903, but they do not indicate any site use until 1964. Available aerial imagery indicating site use begins in 1955. This minor data gap is unlikely to have a material impact on our findings and conclusions.
- The lack of information to document property land uses and history in 5-year increments is considered a data failure per the ASTM Standard. We believe that this exception is not likely to have a material impact on our findings and conclusions.
- Due to the rural nature of the property, we did not physically observe the entire site. NewFields relied on aerial photos to examine site features that are not near roads and on visual observations during the onsite inspection of the subject property. We do not believe that this data gap has a material impact on our findings and conclusions.

8.0 FINDINGS & RECOMMENDATIONS

To complete the Phase I ESA, NewFields reviewed photographs, maps, and government records; interviewed individuals with knowledge of the subject property; and obtained and reviewed regulatory database search reports. NewFields also completed a site visit and visual survey of the property. Review of this information did not identify any RECs, HRECs, CRECs or Significant Data Gaps associated with the subject property and no additional investigation is warranted.

Although not classified as RECs, previous assessment identified hazardous building materials in-place at the subject property. NewFields conducted a Phase II ESA Building Materials Inspection in June of 2023. The inspection report identified asbestos, Lead-Based Paint, and suspect mercury-containing equipment on the property. NewFields recommends abatement of asbestos in accordance with regulations from DEQ and EPA, lead exposure monitoring during future construction or demolition per OSHA requirements, and removal or recycling of mercury-containing fluorescent light tubes. Details regarding the locations and types of hazardous building materials can be found in the Phase II ESA report (NewFields, 2023b).

9.0 ENVIRONMENTAL PROFESSIONAL STATEMENT & SIGNATURE

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in Section 312.10 of 40 C.F.R. 312. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all-appropriate inquiries in conformance with the standards and practices set forth in 40 C.F.R. Part 312.

Wilhelm Welzenbach

March 21, 2024
Date Signed

Environmental Professional

Appendix I includes Environmental Professional qualifications.

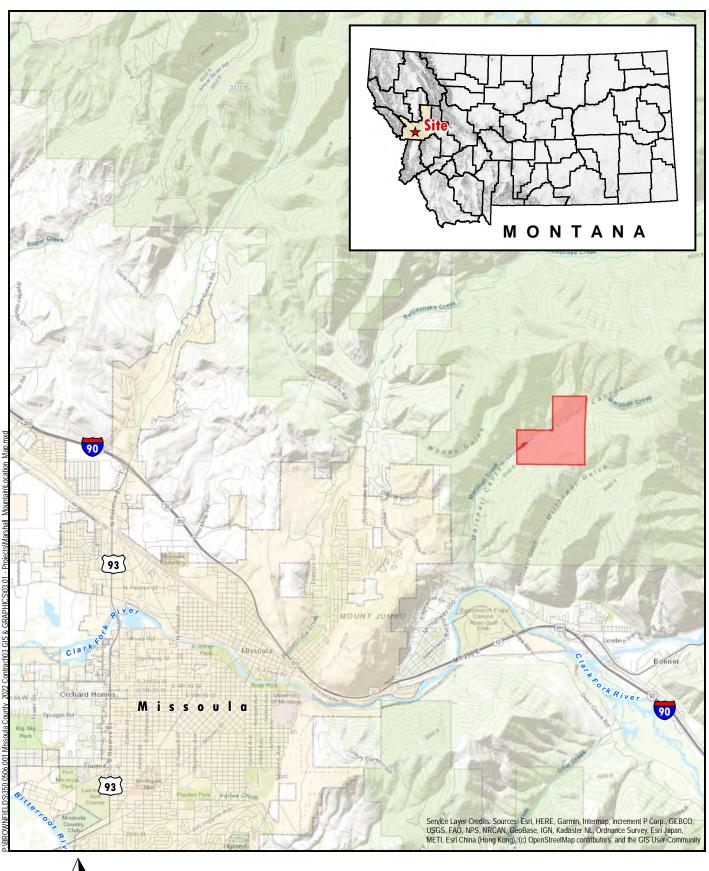
10.0 REFERENCES

- **ASTM International (ASTM), 2016.** Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process for Forestland or Rural Property. Standard No. E 2247-16. West Conshohocken, PA.
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- Environmental Data Resources, Inc. (2024), EDR Historical Topo Map Report with QuadMatch™.

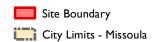
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 Counties, Western Montana. Montana Groundwater Assessment Atlas 4, Part B, Map 6.
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- **U.S. Department of Agriculture (USDA), 2024**. Web Soil Survey. Accessed January 2024 at https://websoilsurvey.sc.egov.usda.gov/App/.
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FIGURES





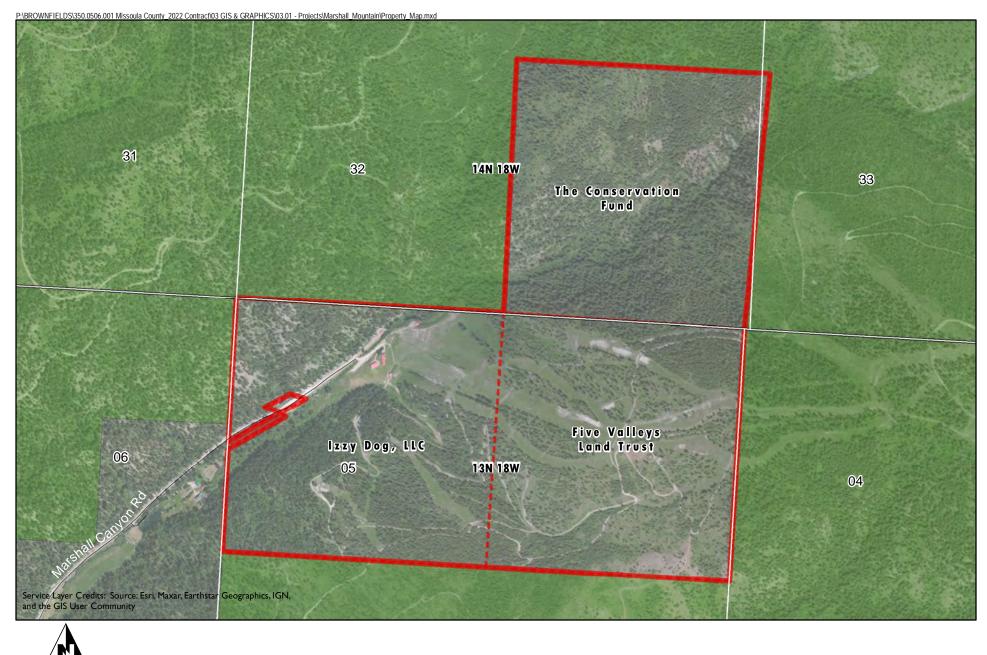






- Septic Tank
- Photo Locations
- Mountain Bike Trail
- Assumed Groundwater Flow Direction

Lower Base Area Map Marshall Mountain Missoula, Montana FIGURE 3













APPENDIX A

Property Record Card

Property Record Card

Summary

Primary Information

Property Category: RP Subcategory: Commercial Property
Geocode: 04-2201-05-1-01-02-0000 Assessment Code: 0000777804

Primary Owner: PropertyAddress: 5250 MARSHALL CANYON RD

IZZY DOG LLC MISSOULA, MT 59802

131 S HIGGINS AVE STE P-1 COS Parcel:

MISSOULA, MT 59802-4459

NOTE: See the Owner tab for all owner information

Certificate of Survey:

Subdivision:

Legal Description:

S05, T13 N, R18 W, IN NW4 LESS R/W & PT CONVEYED TO MISSOULA COUNTY

Last Modified: 10/23/2023 7:46:54 PM

General Property Information

Neighborhood: 204.806 Property Type: VAC_R - Vacant Land - Rural

Living Units: 0 Levy District: 04-1590-14-3

Zoning: Ownership %: 100

Linked Property:

No linked properties exist for this property

Exemptions:

No exemptions exist for this property

Condo Ownership:

General: 0 Limited: 0

Property Factors

Topography: Fronting:
Utilities: Parking Type:
Access: Parking Quantity:
Location: Parking Proximity:

Land Summary

Land Type	Acres	<u>Value</u>
Grazing	33.525	674.00
Fallow	0.000	00.00
Irrigated	0.000	00.00
Continuous Crop	0.000	00.00
Wild Hay	0.000	00.00
Farmsite	0.000	00.00
ROW	0.000	00.00
NonQual Land	0.000	00.00
Total Ag Land	33.525	674.00
Total Forest Land	122.535	83,094.00
Total Market Land	5.000	864,700.00

Deed Information:

De	eed Date	Book	Page	Recorded Date	Document Number	Document Type
6/	21/2021	1057	1145	6/21/2021		Warranty Deed
8/	/14/2012	898	1218	8/20/2012		Quit Claim Deed
2/	23/2005	0748	00600			

6/7/1993 | 898 | 892 | 8/14/2012 | Warranty Deed

Owners

Party #1

Default Information: IZZY DOG LLC

131 S HIGGINS AVE STE P-1

Ownership %: 100
Primary Owner: "Yes"

Interest Type: Conversion

Last Modified: 7/29/2021 10:58:08 AM

Other Names Other Addresses

Name Type

Appraisals

Appraisal History

Γ	Tax Year	Land Value	Building Value	Total Value	Method
	2023	948468	0	948468	COST
	2022	396060	0	396060	COST
	2021	396060	0	396060	COST

Market Land

Market Land Item #1

Method: Acre Type: Primary Site

Width: Depth: Square Feet: 00 Acres: 5

Valuation

Class Code: 2107 Value: 864700

Dwellings

Existing Dwellings

No dwellings exist for this parcel

Other Buildings/Improvements

Outbuilding/Yard Improvements

No other buildings or yard improvements exist for this parcel

Commercial

Existing Commercial Buildings

No commercial buildings exist for this parcel

Ag/Forest Land

Ag/Forest Land Item #1

Acre Type: G - Grazing Irrigation Type: Class Code: 1601 Timber Zone:

Productivity

PrintPropertyRecordCard

Commodity: Grazing Fee

1/24/24, 4:26 PM

Quantity: 0.07 Units: AUM/Acre

Valuation

Acres: 10.995 Per Acre Value: 19.38

Value: 213

Ag/Forest Land Item #2

Acre Type: G - Grazing **Irrigation Type:** Class Code: 1601 **Timber Zone:**

Productivity

Quantity: 0.074 Commodity: Grazing Fee

Units: AUM/Acre

Valuation

Acres: 22.53 Per Acre Value: 20.47

Value: 461

Ag/Forest Land Item #3

Acre Type: Forest Irrigation Type: Class Code: 1901 Timber Zone: 2

Productivity

Quantity: 204.06 Commodity: Timber

Units: Board Feet/Acre

Valuation

Acres: 122.535 Per Acre Value: 678.13

Value: 83094

Property Record Card

Summary

Primary Information

Property Category: RP Subcategory: Agricultural and Timber Properties

Primary Owner: PropertyAddress:

FIVE VALLEYS LAND TRUST

120 HICKORY ST STE B COS Parcel:

MISSOULA, MT 59801-1820

NOTE: See the Owner tab for all owner information

Certificate of Survey:

Subdivision:

Legal Description:

S05, T13 N, R18 W, ACRES 160, NE4 SEC **Last Modified:** 10/23/2023 7:46:54 PM

General Property Information

Neighborhood: 204.006 Property Type: VAC_R - Vacant Land - Rural

Living Units: 0 Levy District: 04-0590-14-2

Zoning: Ownership %: 100

Linked Property:

No linked properties exist for this property

Exemptions:

No exemptions exist for this property

Condo Ownership:

General: 0 Limited: 0

Property Factors

Topography: Fronting:
Utilities: Parking Type:
Access: Parking Quantity:
Location: Parking Proximity:

Land Summary

Land Type	Acres	<u>Value</u>
Grazing	49.288	1,020.00
Fallow	0.000	00.00
Irrigated	0.000	00.00
Continuous Crop	0.000	00.00
Wild Hay	0.000	00.00
Farmsite	0.000	00.00
ROW	0.000	00.00
NonQual Land	0.000	00.00
Total Ag Land	49.288	1,020.00
Total Forest Land	110.712	73,625.00
Total Market Land	0.000	00.00

Deed Information:

Deed Da	te Book	Page	Recorded Date	Document Number	Document Type
4/15/201	5 943	137	4/22/2015		Special Warranty Deed
3/9/2010	856	719	3/9/2010		Correction Deed
	•		•	'	'

| 12/15/2008 | 830 | 797 | 12/15/2008 | Grant

Owners

Party #1

Default Information: FIVE VALLEYS LAND TRUST

120 HICKORY ST STE B

Ownership %: 100 Primary Owner: "Yes"

Interest Type: Conversion

Last Modified: 6/2/2015 3:35:15 PM

Other Names Other Addresses

Name Type

Appraisals

Appraisal History

Tax Year	Land Value	Building Value	Total Value	Method
2023	74645	0	74645	COST
2022	74421	0	74421	COST
2021	74421	0	74421	COST

Market Land

Market Land Info

No market land info exists for this parcel

Dwellings

Existing Dwellings

No dwellings exist for this parcel

Other Buildings/Improvements

Outbuilding/Yard Improvements

No other buildings or yard improvements exist for this parcel

Commercial

Existing Commercial Buildings

No commercial buildings exist for this parcel

Ag/Forest Land

Ag/Forest Land Item #1

Acre Type: Forest Irrigation Type: Class Code: 1901 Timber Zone: 2

Productivity

Quantity: 148.63 Commodity: Timber

Units: Board Feet/Acre

Valuation

Acres: 6.643 Per Acre Value: 459.63

1/24/24, 4:29 PM

Value: 3053

Ag/Forest Land Item #2

Acre Type: Forest Irrigation Type: Class Code: 1901 Timber Zone: 2

Productivity

Quantity: 204.06 Commodity: Timber

Units: Board Feet/Acre

Valuation

Acres: 104.069 **Per Acre Value:** 678.13

Value: 70572

Ag/Forest Land Item #3

Acre Type: G - Grazing Irrigation Type: Class Code: 1601 Timber Zone:

Productivity

Quantity: 0.074 Commodity: Grazing Fee

Units: AUM/Acre

Valuation

Acres: 26.279 Per Acre Value: 20.47

Value: 538

Ag/Forest Land Item #4

Acre Type: G - Grazing Irrigation Type: Class Code: 1601 Timber Zone:

Productivity

Quantity: 0.076 Commodity: Grazing Fee

Units: AUM/Acre

Valuation

Acres: 23.009 Per Acre Value: 20.94

Value: 482

Property Record Card

Summary

Primary Information

Property Category: RP Subcategory: Agricultural and Timber Properties

Primary Owner: PropertyAddress:

THE CONSERVATION FUND

1655 FORT MYER DR STE 1300 COS Parcel:

ARLINGTON, VA 22209-3199

NOTE: See the Owner tab for all owner information

Certificate of Survey:

Subdivision:

Legal Description: S32, T14 N, R18 W, SE4

Last Modified: 10/23/2023 7:46:54 PM

General Property Information

Neighborhood: 204.006 Property Type: VAC_R - Vacant Land - Rural

Living Units: 0 Levy District: 04-1583-1-2

Zoning: Ownership %: 100

Linked Property:

No linked properties exist for this property

Exemptions:

No exemptions exist for this property

Condo Ownership:

General: 0 Limited: 0

Property Factors

Topography: Fronting:
Utilities: Parking Type:
Access: Parking Quantity:
Location: Parking Proximity:

Land Summary

Land Type	<u>Acres</u>	<u>Value</u>
Grazing	0.000	00.00
Fallow	0.000	00.00
Irrigated	0.000	00.00
Continuous Crop	0.000	00.00
Wild Hay	0.000	00.00
Farmsite	0.000	00.00
ROW	0.000	00.00
NonQual Land	0.000	00.00
Total Ag Land	0.000	00.00
Total Forest Land	160.000	109,668.00
Total Market Land	0.000	00.00

Deed Information:

Deed Date	Book	Page	Recorded Date	Document Number	Document Type
4/4/2023	1087	612	4/6/2023		Warranty Deed
8/31/2010	865	570	9/3/2010		Quit Claim Deed
	•	•	•	•	

12/4/1996 | 0492 | 01188 |

Owners

Party #1

Default Information: THE CONSERVATION FUND

1655 FORT MYER DR STE 1300

Ownership %: 100
Primary Owner: "Yes"

Interest Type: Conversion

Last Modified: 4/12/2023 8:29:55 AM

Other Names Other Addresses

Name Type

Appraisals

Appraisal History

Tax Year	Land Value	Building Value	Total Value	Method
2023	109668	0	109668	COST
2022	109668	0	109668	COST
2021	109668	0	109668	COST

Market Land

Market Land Info

No market land info exists for this parcel

Dwellings

Existing Dwellings

No dwellings exist for this parcel

Other Buildings/Improvements

Outbuilding/Yard Improvements

No other buildings or yard improvements exist for this parcel

Commercial

Existing Commercial Buildings

No commercial buildings exist for this parcel

Ag/Forest Land

Ag/Forest Land Item #1

Acre Type: Forest Irrigation Type: Class Code: 1901 Timber Zone: 2

Productivity

Quantity: 204.06 Commodity: Timber

Units: Board Feet/Acre

Valuation

Acres: 154.928 **Per Acre Value:** 678.13

1/24/24, 4:28 PM **Value:** 105061

Ag/Forest Land Item #2

Acre Type: Forest Irrigation Type: Class Code: 1901 Timber Zone: 2

Productivity

Quantity: 262.45 Commodity: Timber

Units: Board Feet/Acre

Valuation

Acres: 5.072 Per Acre Value: 908.38

Value: 4607



APPENDIX B

Well Logs



Ground Water Information Center | MBMG Data Center Montana Bureau of Mines and Geology **Montana Technological University**

1300 West Park Street - Natural Resources Building Room 329 Butte Montana 59701-8997

Ph: (406) 496-4336 Fx: (406) 496-4343

You are currently signed in. | 1/24/2024 Sian Out

| Home | Well Data | Reports | Data Coop | DrillerWeb | DNRC | Help! |

Menus: | Main | SWL | GWCP | Projects | Coal | Coal Quality | Geothermal

GWIC Data > Well Construction Data > Township: 13N Range: 18W Sec: 5

The following data were returned from the GWIC databases for the area you requested. For a more detailed description of the data view the GWIC Metadata report. If you notice data entry errors or have questions please let us know by sending us an Email at GWIC@mtech.edu. If you wish to view a one page report for a particular site, click the hyperlinked Gwic Id for that well. Scroll to the right of your screen to view all the data. All data displayed on the screen may not show up when printed.

Retrieval Statistics*

Field Max Min Avg

Total Depth (ft)

Static Water Level (ft)

Yield (gpm)

* These statistics do not take any geographic, topographic, or geologic factors into consideration. Negative swl values are reported for water levels that are above land surface.

Did you know about...

Other GWIC data

GWIC has 1 water quality sample(s) for this area. GWIC has 1 field visit(s) for this request area.

Thanks, Just take me back to the menu.

Other MBMG data

MBMG has 468 publications available for MISSOULA

MBMG has 4 abandoned mine record(s) for this request area.

Site Gwic Id PDF DNRC WR

Name Twn Rna Sec Q Sec Ver? Type Td Swl Pwl Rwl Yield Test Date Use

191547

MARSHALL 13N 18W **BDABA** Yes SPRING OTHER

SKI AREA

End of Report.

1 record(s) listed.

Items of Note:

¹This report is restricted to site types of WELL, BOREHOLE, SPRING, COAL BED METHANE WELL, PETWELL, PIEZOMETER.

²A single well record (a distinct GWIC ld) may be represented by more than one line in this report if more than one performance test was conducted on the well at the time of drilling.

Explanation of Columns:

GWIC Id = Key field for the GWIC database. Links to one page reports.

PDF = Are scanned documents available through the Document Manager?

- = Yes, click on the icon to download the PDF file.
- = No, well was submitted electronically. No paper record exists.
- = No, record does have a known well log but it is not scanned yet.
- = No, record may or may not have a document to scan. Metadata is unclear.
- = No, record was created from a source other than a well log. No paper record exists.

DNRC WR = Water right number assigned to this site by Department of Natural Resources and Conservation.

Site Name = Current owner name assigned to GWIC record.

Location = Location of site in Montana township, range, section, and quarter-section coordinates.

Ver? = Has this location been verified by field staff?

Type = Type of site assigned to GWIC record.

Td = **T**otal **d**epth of well in feet below ground.

SwI = Static water level in feet above/below ground - Negative values are reported for water levels that are above land surface.

PwI = **P**umping water level in feet below ground.

Rwl = Recovery water level in feet below ground.

Test = Type of performance test reported.

Yield = Yield in gallons per minute.

Date = Completion date of well/borehole.

Use = Reported use of water.

Disclaimer

The preceding materials represent the contents of the GWIC databases at the Montana Bureau of Mines and Geology at the time and date of the retrieval. The information is considered unpublished and is subject to correction and review on a daily basis. The Bureau warrants the accurate transmission of the data to the original end user at the time and date of the retrieval [1/24/2024 2:50:42 PM]. Retransmission of the data to other users is discouraged and the Bureau claims no responsibility if the material is retransmitted. There may be wells in the request area that are not recorded at the Information Center.

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Ground Water Information Center | MBMG Data Center Montana Bureau of Mines and Geology Montana Technological University

1300 West Park Street - Natural Resources Building Room 329 Butte Montana 59701-8997

Ph: (406) 496-4336 Fx: (406) 496-4343

You are currently signed in. | 1/24/2024 Sign Out

| Home | Well Data | Reports | Data Coop | DrillerWeb | DNRC | Help! |

Menus: | Main | SWL | GWCP | Projects | Coal | Coal Quality | Geothermal

GWIC Data > Well Construction Data > Township: 14N Range: 18W Sec: 32

The following data were returned from the GWIC databases for the area you requested. For a more detailed description of the data view the GWIC Metadata report. If you notice data entry errors or have questions please let us know by sending us an Email at GWIC@mtech.edu. If you wish to view a one page report for a particular site, click the hyperlinked Gwic Id for that well. Scroll to the right of your screen to view all the data. All data displayed on the screen may not show up when printed.

There were no records of this type available for your search criteria. Please go back to the main menu and try another search.



Ground Water Information Center | MBMG Data Center Montana Bureau of Mines and Geology Montana Technological University

1300 West Park Street - Natural Resources Building Room 329 Butte Montana 59701-8997

Ph: (406) 496-4336 Fx: (406) 496-4343

You are currently signed in. | 2/27/2024 Sign Out

| Home | Well Data | Reports | Data Coop | DrillerWeb | DNRC | Help! |

Menus: | Main | SWL | GWCP | Projects | Coal | Coal Quality | Geothermal

GWIC Data > Well Construction Data > Township: 13N Range: 18W Sec: 6

The following data were returned from the GWIC databases for the area you requested. For a more detailed description of the data view the GWIC@mtech.edu. If you notice data entry errors or have questions please let us know by sending us an Email at GWIC@mtech.edu. If you wish to view a one page report for a particular site, click the hyperlinked GWIC@mtech.edu. If you wish to view a one page report for a particular site, click the hyperlinked GWIC@mtech.edu. If you wish to view a one page report for a particular site, click the hyperlinked GWIC@mtech.edu. If you wish to view a one page report for a particular site, click the hyperlinked GWIC@mtech.edu. If you wish to view a one page report for a particular site, click the hyperlinked GWIC@mtech.edu. If you wish to view a one page report for a particular site, click the hyperlinked GWIC@mtech.edu. If you wish to view a one page report for a particular site, click the hyperlinked GWIC@mtech.edu. If you wish to view a one page report for a particular site, click the hyperlinked GWIC@mtech.edu. If you wish to view a one page report for a particular site, click the hyperlinked GWIC@mtech.edu. If you notice data entry e

Retrieval Statistics*										
Field	Max	Min	Avg							
Total Depth (ft)	90.00	90.00	90.00							
Static Water Level (ft)	35.00	35.00	35.00							
Yield (gpm)										

* These statistics do not take any geographic, topographic, or geologic factors into consideration. Negative swl values are reported for water levels that are above land surface.

Did you know about...

Other GWIC data

Thanks, Just take me back to the menu.

Other MBMG data

MBMG has 469 publications available for MISSOULA county.

MBMG has 4 abandoned mine record(s) for this request area.

Gwic Id	PDF	DNRC WR	Site Name	Twn	Rng	Sec	Q Sec	Ver?	Туре	Td	Swl	Pwl	Rwl	Yield	Test	Date	Use
<u>67941</u>	人		OLSON LOUIS	13N	18W	6		No	WELL	90.00	35.00				OTHER	1/1/1948	DOMESTIC

End of Report.

1 record(s) listed.

Items of Note:

¹This report is restricted to site types of WELL, BOREHOLE, SPRING, COAL BED METHANE WELL, PETWELL, PIEZOMETER.

²A single well record (a distinct GWIC ld) may be represented by more than one line in this report if more than one performance test was conducted on the well at the time of drilling.

Explanation of Columns:

GWIC Id = Key field for the GWIC database. Links to one page reports.

PDF = Are scanned documents available through the Document Manager?

- Yes, click on the icon to download the PDF file.
- Section = No, well was submitted electronically. No paper record exists.
- Ø = No, record does have a known well log but it is not scanned yet.
- 0 = No, record may or may not have a document to scan. Metadata is unclear.
- Solution = No, record was created from a source other than a well log. No paper record exists.

DNRC WR = Water right number assigned to this site by Department of Natural Resources and Conservation.

Site Name = Current owner name assigned to GWIC record.

Location = Location of site in Montana township, range, section, and quarter-section coordinates.

Ver? = Has this location been verified by field staff?

Type = Type of site assigned to GWIC record.

Td = **T**otal **d**epth of well in feet below ground.

SwI = Static water level in feet above/below ground - Negative values are reported for water levels that are above land surface.

Pwl = **P**umping water level in feet below ground.

RwI = Recovery water level in feet below ground.

Yield = Yield in gallons per minute.

Test = Type of performance test reported.

Date = Completion date of well/borehole.

Use = Reported use of water.

Disclaimer:

The preceding materials represent the contents of the GWIC databases at the Montana Bureau of Mines and Geology at the time and date of the retrieval. The information is considered unpublished and is subject to correction and review on a daily basis. The Bureau warrants the accurate transmission of the data to the original end user at the time and date of the retrieval [2/27/2024 3:33:44 PM]. Retransmission of the data to other users is discouraged and the Bureau claims no responsibility if the material is retransmitted. There may be wells in the request area that are not recorded at the Information Center.

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APPENDIX C

Environmental Database Report

Marshall Mountain

5250 Marshall Canyon Road Missoula, MT 59802

Inquiry Number: 7548400.1s

January 23, 2024

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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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 (E1527 - 21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E2247 - 16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E1528 - 22) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

5250 MARSHALL CANYON ROAD MISSOULA, MT 59802

COORDINATES

Latitude (North): 46.9176600 - 46° 55' 3.57" Longitude (West): 113.9074320 - 113° 54' 26.75"

Universal Tranverse Mercator: Zone 12 UTM X (Meters): 278620.9 UTM Y (Meters): 5199899.5

Elevation: 4088 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 15018025 NORTHEAST MISSOULA, MT

Version Date: 2020

East Map: 15017953 BLUE POINT, MT

Version Date: 2020

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20200815, 20200730

Source: USDA

MAPPED SITES SUMMARY

Target Property Address: 5250 MARSHALL CANYON ROAD MISSOULA, MT 59802

Click on Map ID to see full detail.

MAP				RELATIVE	DIST (ft. & mi.)
ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	ELEVATION	DIRECTION
1	5250 MARSHALL CANYON	5250 MARSHALL CANYON	FINDS		TP

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 8 of the attached EDR Radius Map report:

Database(s) EPA ID Site 5250 MARSHALL CANYON **FINDS** N/A Registry ID:: 110071089247

5250 MARSHALL CANYON MISSOULA, MT 59802

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

Lists of Federal NPL (Superi	fund) sites
NPLProposed NPLNPL LIENS.	Proposed National Priority List Sites
Lists of Federal Delisted NP	L sites
Delisted NPL	National Priority List Deletions
Lists of Federal sites subjec	et to CERCLA removals and CERCLA orders
	Federal Facility Site Information listing Superfund Enterprise Management System
Lists of Federal CERCLA sit	es with NFRAP
SEMS-ARCHIVE	Superfund Enterprise Management System Archive
Lists of Federal RCRA facility	ties undergoing Corrective Action
CORRACTS	Corrective Action Report
Lists of Federal RCRA TSD	facilities
RCRA-TSDF	RCRA - Treatment, Storage and Disposal
Lists of Federal RCRA gener	rators
RCRA-LQG	RCRA - Large Quantity Generators

RCRA-SQG_______RCRA - Small Quantity Generators

RCRA-VSQG______RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

Federal institutional controls / engineering controls registries

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

Federal ERNS list

ERNS..... Emergency Response Notification System

Lists of state- and tribal (Superfund) equivalent sites

SHWS..... CECRA (Non-NPL) Priority Sites List

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF...... Solid Waste Management Facilities List

Lists of state and tribal leaking storage tanks

LUST..... Leaking Underground Storage Tank List for Montana INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

Lists of state and tribal registered storage tanks

FEMA UST..... Underground Storage Tank Listing

UST..... Statewide UST Underground Storage Tank List

AST..... Above Ground Storage Tanks

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

State and tribal institutional control / engineering control registries

INST CONTROL...... Response Action List

Lists of state and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

VCP...... Voluntary Cleanup & Redevelopment Act Registry

Lists of state and tribal brownfield sites

BROWNFIELDS..... Brownfields Site Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Recycling Facilities

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

ODI...... Open Dump Inventory

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register

US CDL...... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System

SPILLS_____ Hazardous Material Spills Report

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

TSCA...... Toxic Substances Control Act

RAATS....... RCRA Administrative Action Tracking System

ICIS...... Integrated Compliance Information System

Act)/TSCA (Toxic Substances Control Act)

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 MINES MRDS..... Mineral Resources Data System

ABANDONED MINES..... Abandoned Mines

ECHO..... Enforcement & Compliance History Information

UXO...... Unexploded Ordnance Sites

DOCKET HWC..... Hazardous Waste Compliance Docket Listing FUELS PROGRAM..... EPA Fuels Program Registered Listing

PFAS NPL...... Superfund Sites with PFAS Detections Information

PFAS FEDERAL SITES Federal Sites PFAS Information

PFAS TSCA...... PFAS Manufacture and Imports Information

PFAS TRIS..... List of PFAS Added to the TRI

PFAS RCRA MANIFEST..... PFAS Transfers Identified In the RCRA Database Listing

PFAS ATSDR..... PFAS Contamination Site Location Listing PFAS WQP..... Ambient Environmental Sampling for PFAS PFAS NPDES...... Clean Water Act Discharge Monitoring Information PFAS ECHO..... Facilities in Industries that May Be Handling PFAS Listing PFAS ECHO FIRE TRAINING Facilities in Industries that May Be Handling PFAS Listing PFAS PART 139 AIRPORT ... All Certified Part 139 Airports PFAS Information Listing

AQUEOUS FOAM NRC..... Aqueous Foam Related Incidents Listing BIOSOLIDS......ICIS-NPDES Biosolids Facility Data

PFAS...... PFOA & PFOS Site Listing AIRS..... Emissions Inventory Listing

ASBESTOS..... ASBESTOS

COAL ASH..... Coal Ash Disposal Site Listing DRYCLEANERS..... Drycleaner Facility Listing Enforcement Cases Listing

Financial Assurance Information Listing MINES..... Abandoned and Inactive Mines Database REM RPROGRAM...... Remediation Response Site Database

UIC...... UIC Wells Listing WQA..... WQA Site Ranking List UST FINDER...... UST Finder Database
UST FINDER RELEASE..... UST Finder Releases Database

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 HWS...... Recovered Government Archive State Hazardous Waste Facilities List RGA LUST...... Recovered Government Archive Leaking Underground Storage Tank

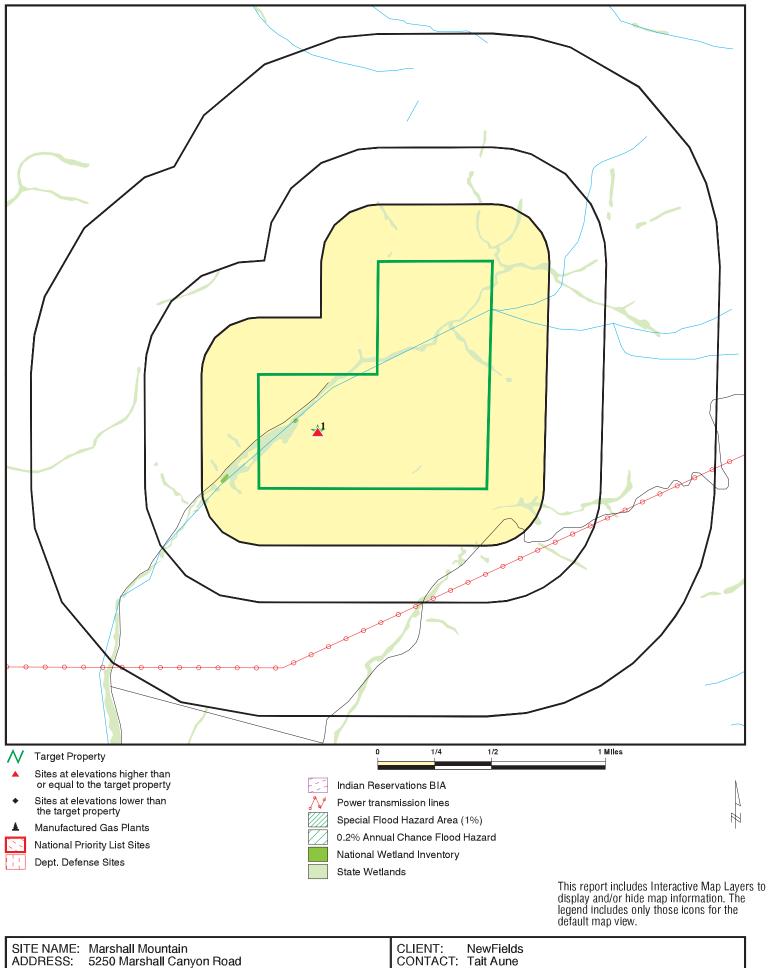
SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

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

There were no unmapped sites in this report.

OVERVIEW MAP - 7548400.1S



ADDRESS:

LAT/LONG:

5250 Marshall Canyon Road

Missoula MT 59802

46.91766 / 113.907432

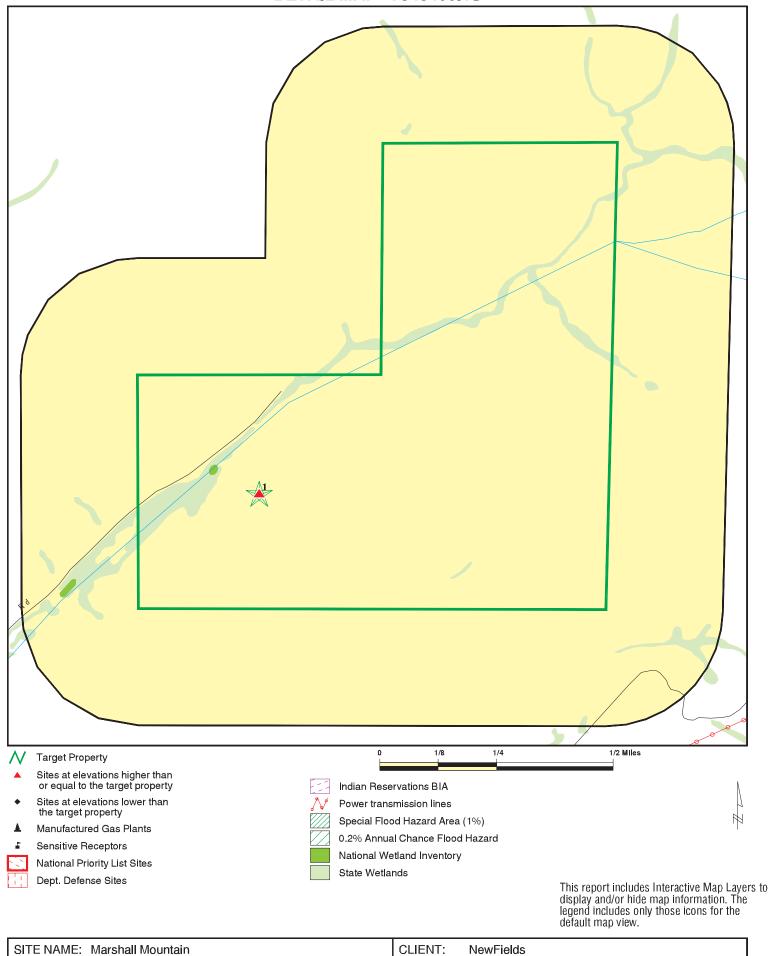
January 23, 2024 3:36 pm Copyright © 2024 EDR, Inc. © 2015 TomTom Rel. 2015.

Tait Aune

INQUIRY#: 7548400.1s

DATE:

DETAIL MAP - 7548400.1S



Missoula MT 59802 INQUIF LAT/LONG: 46.91766 / 113.907432 DATE:

5250 Marshall Canyon Road

ADDRESS:

CLIENT: NewFields CONTACT: Tait Aune INQUIRY#: 7548400.1s

TE: January 23, 2024 3:37 pm

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	>1	Total Plotted
STANDARD ENVIRONMENT	TAL RECORDS							
Lists of Federal NPL (Su	perfund) site	s						
NPL Proposed NPL NPL LIENS	1.000 1.000 1.000		0 0 0	0 0 0	0 0 0	0 0 0	NR NR NR	0 0 0
Lists of Federal Delisted	NPL sites							
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites su CERCLA removals and (rs						
FEDERAL FACILITY SEMS	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of Federal CERCLA	A sites with N	FRAP						
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA fa undergoing Corrective A								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA T	SD facilities							
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA g	enerators							
RCRA-LQG RCRA-SQG RCRA-VSQG	0.250 0.250 0.250		0 0 0	0 0 0	NR NR NR	NR NR NR	NR NR NR	0 0 0
Federal institutional con engineering controls reg								
LUCIS US ENG CONTROLS US INST CONTROLS	0.500 0.500 0.500		0 0 0	0 0 0	0 0 0	NR NR NR	NR NR NR	0 0 0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent s	sites							
SHWS	1.000		0	0	0	0	NR	0
Lists of state and tribal l and solid waste disposa								
SWF/LF	0.500		0	0	0	NR	NR	0
Lists of state and tribal l	eaking storag	je tanks						
LUST	0.500		0	0	0	NR	NR	0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal	registered sto	rage tanks						
FEMA UST UST AST INDIAN UST	0.250 0.250 0.250 0.250		0 0 0 0	0 0 0 0	NR NR NR NR	NR NR NR NR	NR NR NR NR	0 0 0 0
State and tribal instituti control / engineering co		s						
INST CONTROL	0.500		0	0	0	NR	NR	0
Lists of state and tribal	voluntary clea	anup sites						
INDIAN VCP VCP	0.500 0.500		0 0	0 0	0 0	NR NR	NR NR	0 0
Lists of state and tribal	brownfield sit	es						
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONME	NTAL RECORD	<u>s</u>						
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Waste Disposal Sites	Solid							
SWRCY INDIAN ODI ODI DEBRIS REGION 9 IHS OPEN DUMPS	0.500 0.500 0.500 0.500 0.500		0 0 0 0	0 0 0 0	0 0 0 0	NR NR NR NR NR	NR NR NR NR NR	0 0 0 0
Local Lists of Hazardou Contaminated Sites	ıs waste /							
US HIST CDL CDL HIST CDL DEL SHWS US CDL	0.001 0.001 0.001 1.000 0.001		0 0 0 0	NR NR NR 0 NR	NR NR NR 0 NR	NR NR NR 0 NR	NR NR NR NR NR	0 0 0 0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency	Release Repo	rts						
HMIRS SPILLS	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
Other Ascertainable Re	cords							
RCRA NonGen / NLR FUDS	0.250 1.000		0 0	0 0	NR 0	NR 0	NR NR	0 0

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	<u>1/2 - 1</u>	<u>> 1</u>	Total Plotted
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	Ö	ő	NR	NR	0
US FIN ASSUR	0.001		Ö	NR	NR	NR	NR	Ö
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	Ö
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS COAL ASH DOE	0.001 0.001		0 0	NR NR	NR NR	NR NR	NR NR	0 0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		Ö	0	0	0	NR	Ö
INDIAN RESERV	1.000		Ö	Ö	Ö	Ö	NR	Ö
FUSRAP	1.000		Ö	Ö	Ö	Ö	NR	Ö
UMTRA	0.500		Ō	Ō	Ö	NR	NR	Ō
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
MINES MRDS	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.250		0	0	NR	NR	NR	0
FINDS	0.001	1	0	NR	NR	NR	NR	1
ECHO	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA PFAS TRIS	0.250		0	0	NR NR	NR NR	NR NR	0
PFAS TRIS PFAS RCRA MANIFEST	0.250		0	0	NID			0
PFAS ATSDR	0.250 0.250		0 0	0 0	NR NR	NR NR	NR NR	0 0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINII			Ő	0	NR	NR	NR	0
PFAS PART 139 AIRPORT			0	Ö	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		Ő	Ö	NR	NR	NR	Ö
BIOSOLIDS	0.001		Ö	NR	NR	NR	NR	Ö
PFAS	0.250		Ö	0	NR	NR	NR	Ö
AIRS	0.001		0	NR	NR	NR	NR	0

	Search	Towart						Tatal
Database	Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
ASBESTOS	0.001		0	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
Enforcement	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
MINES	0.250		0	0	NR	NR	NR	0
REM RPROGRAM	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
WQA	0.500		0	0	0	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
EDR HIGH RISK HISTORICAL	L RECORDS							
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNI	MENT ARCHI	/ES						
Exclusive Recovered Gov	t. Archives							
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals		1	0	0	0	0	0	1

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID
Direction

MAP FINDINGS

Distance Elevation Site EDR ID Number

Database(s) EPA ID Number

 1
 5250 MARSHALL CANYON ROAD
 FINDS
 1027024438

 Target
 5250 MARSHALL CANYON ROAD
 N/A

Property MISSOULA, MT 59802

FINDS:

Registry ID: 110071089247

Actual: 4088 ft.

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:

The 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 (TBA) performed by EPA Regions.

<u>Click this hyperlink</u> while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

Count: 0 records. ORPHAN SUMMARY

City EDR ID Site Name Site Address Zip Database(s)

NO SITES FOUND

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

Lists of Federal NPL (Superfund) sites

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: 09/19/2023 Source: EPA
Date Data Arrived at EDR: 10/03/2023 Telephone: N/A

Date Made Active in Reports: 10/19/2023 Last EDR Contact: 01/02/2024

Number of Days to Update: 16 Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources

EPA's Environmental Photographic Interpretation Center (EPIC)

Telephone: 202-564-7333

EPA Region 1 EPA Region 6

Telephone 617-918-1143 Telephone: 214-655-6659

EPA Region 3 EPA Region 7

Telephone 215-814-5418 Telephone: 913-551-7247

EPA Region 4 EPA Region 8

Telephone 404-562-8033 Telephone: 303-312-6774

EPA Region 5 EPA Region 9

Telephone 312-886-6686 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: 09/19/2023 Source: EPA
Date Data Arrived at EDR: 10/03/2023 Telephone: N/A

Next Scheduled EDR Contact: 04/08/2024
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

Date of Government Version: 10/15/1991 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

Lists of Federal Delisted NPL sites

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: 09/19/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 10/19/2023

Number of Days to Update: 16

Source: EPA Telephone: N/A

Last EDR Contact: 01/02/2024

Next Scheduled EDR Contact: 04/08/2024 Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

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: 09/25/2023 Date Data Arrived at EDR: 09/26/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 77

Source: Environmental Protection Agency

Telephone: 703-603-8704 Last EDR Contact: 12/20/2023

Next Scheduled EDR Contact: 04/08/2024 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 know 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: 09/19/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 10/19/2023

Number of Days to Update: 16

Source: EPA Telephone: 800-424-9346

Last EDR Contact: 01/02/2024

Next Scheduled EDR Contact: 04/22/2024 Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

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: 09/19/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 10/19/2023

Number of Days to Update: 16

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 01/02/2024

Next Scheduled EDR Contact: 04/22/2024 Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: EPA

Telephone: 800-424-9346 Last EDR Contact: 12/06/2023

Next Scheduled EDR Contact: 04/01/2024 Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

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: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 12/06/2023

Next Scheduled EDR Contact: 04/01/2024 Data Release Frequency: Quarterly

Lists of Federal RCRA generators

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: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 12/06/2023

Next Scheduled EDR Contact: 04/01/2024 Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 12/06/2023

Next Scheduled EDR Contact: 04/01/2024 Data Release Frequency: Quarterly

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

Date of Government Version: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 12/06/2023

Next Scheduled EDR Contact: 04/01/2024 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: 08/03/2023 Date Data Arrived at EDR: 08/07/2023 Date Made Active in Reports: 10/10/2023

Number of Days to Update: 64

Source: Department of the Navy Telephone: 843-820-7326 Last EDR Contact: 11/02/2023

Next Scheduled EDR Contact: 02/19/2024 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: 08/21/2023 Date Data Arrived at EDR: 08/21/2023 Date Made Active in Reports: 11/07/2023

Number of Days to Update: 78

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 11/17/2023

Next Scheduled EDR Contact: 03/04/2024 Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 08/21/2023 Date Data Arrived at EDR: 08/21/2023 Date Made Active in Reports: 11/07/2023

Number of Days to Update: 78

Source: Environmental Protection Agency

Telephone: 703-603-0695 Last EDR Contact: 11/17/2023

Next Scheduled EDR Contact: 03/04/2024

Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

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

substances.

Date of Government Version: 09/18/2023 Date Data Arrived at EDR: 09/20/2023 Date Made Active in Reports: 12/11/2023

Number of Days to Update: 82

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180 Last EDR Contact: 12/13/2023

Next Scheduled EDR Contact: 04/01/2024 Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

SHWS: CECRA (Non-NPL) Priority Sites 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: 08/28/2023 Date Data Arrived at EDR: 08/30/2023 Date Made Active in Reports: 11/15/2023

Number of Days to Update: 77

Source: Department of Environmental Quality

Telephone: 406-444-1420 Last EDR Contact: 11/27/2023

Next Scheduled EDR Contact: 03/11/2024 Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: Solid Waste Management Facilities List

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: 09/05/2023 Date Data Arrived at EDR: 09/06/2023 Date Made Active in Reports: 11/28/2023

Number of Days to Update: 83

Source: Department of Environmental Quality

Telephone: 406-444-5294 Last EDR Contact: 11/30/2023

Next Scheduled EDR Contact: 03/18/2024

Data Release Frequency: Varies

Lists of state and tribal leaking storage tanks

LUST: Leaking Underground Storage Tank List for Montana

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: 09/19/2023 Date Data Arrived at EDR: 10/05/2023 Date Made Active in Reports: 12/27/2023

Number of Days to Update: 83

Source: Department of Environmental Quality

Telephone: 406-444-5970 Last EDR Contact: 01/05/2024

Next Scheduled EDR Contact: 04/15/2024 Data Release Frequency: Quarterly

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

Date of Government Version: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 4 Telephone: 404-562-8677 Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024

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: 04/19/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: Environmental Protection Agency

Telephone: 415-972-3372 Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024 Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA, Region 5 Telephone: 312-886-7439 Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024

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: 04/26/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 6 Telephone: 214-665-6597 Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024 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: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024 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: 04/25/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024 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: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 1 Telephone: 617-918-1313 Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024 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: 04/19/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 8 Telephone: 303-312-6271 Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024

Data Release Frequency: Varies

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 03/08/2023 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 05/30/2023

Number of Days to Update: 82

Source: FEMA

Telephone: 202-646-5797 Last EDR Contact: 01/11/2024

Next Scheduled EDR Contact: 04/15/2024 Data Release Frequency: Varies

UST: Statewide UST Underground Storage Tank List

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: 09/29/2023 Date Data Arrived at EDR: 10/05/2023 Date Made Active in Reports: 12/27/2023

Number of Days to Update: 83

Source: Department of Environmental Quality

Telephone: 406-444-5970 Last EDR Contact: 01/03/2024

Next Scheduled EDR Contact: 04/15/2024 Data Release Frequency: Quarterly

UNREG UST: Non Regulated UST Facility Listing Unregulated tanks

Date of Government Version: 12/20/2018 Date Data Arrived at EDR: 03/06/2019 Date Made Active in Reports: 05/13/2019

Number of Days to Update: 68

Source: Department of Environmental Quality

Telephone: 406-444-3840 Last EDR Contact: 11/21/2023

Next Scheduled EDR Contact: 03/11/2024

Data Release Frequency: Varies

AST: Above Ground Storage Tanks

A listing of AST site locations that have applied for assistance from the fund. The Board and the Petroleum Tank Release Cleanup Fund (Fund) were established by the 1989 Montana Legislature to provide adequate financial resources and effective procedures through which tank owners and operators may undertake, and be reimbursed for, cleanup of petroleum contamination and payment to third parties for damages caused by releases from petroleum storage tanks; to assist tank owners and operators in meeting financial assurance requirements under state and federal law governing operation of petroleum storage tanks; to assist in protecting public health and safety and the environment by providing cleanup of petroleum tank releases; and to provide tank owners with incentives to improve petroleum storage tank facilities in order to minimize the likelihood of accidental releases.

Date of Government Version: 07/27/2023 Date Data Arrived at EDR: 07/27/2023 Date Made Active in Reports: 08/08/2023

Number of Days to Update: 12

Source: Department of Environmental Quality

Telephone: 406-841-5092 Last EDR Contact: 10/26/2023

Next Scheduled EDR Contact: 02/12/2024 Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 4 Telephone: 404-562-9424 Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024

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: 04/19/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 9 Telephone: 415-972-3368 Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024 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: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 8 Telephone: 303-312-6137 Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024 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: 04/25/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 7 Telephone: 913-551-7003 Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024 Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/14/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 5 Telephone: 312-886-6136 Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024 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: 04/26/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 6 Telephone: 214-665-7591 Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024 Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA Region 10 Telephone: 206-553-2857 Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024

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: 04/20/2023 Date Data Arrived at EDR: 05/09/2023 Date Made Active in Reports: 07/14/2023

Number of Days to Update: 66

Source: EPA, Region 1 Telephone: 617-918-1313 Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024 Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: Response Action List

Response Action Sites that have institutional controls in place.

Date of Government Version: 08/28/2023 Date Data Arrived at EDR: 08/30/2023 Date Made Active in Reports: 11/15/2023

Number of Days to Update: 77

Source: Department of Environmental Quality

Telephone: 406-444-2544 Last EDR Contact: 11/27/2023

Next Scheduled EDR Contact: 03/11/2024 Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup & Redevelopment Act Registry

Sites involved in the Voluntary Cleanup & Redevelopment program.

Date of Government Version: 08/28/2023 Date Data Arrived at EDR: 08/30/2023 Date Made Active in Reports: 11/15/2023

Number of Days to Update: 77

Source: Department of Environmental Quality

Telephone: 406-444-1420 Last EDR Contact: 11/27/2023

Next Scheduled EDR Contact: 03/11/2024 Data Release Frequency: Quarterly

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

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

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

Number of Days to Update: 27

Source: EPA, Region 7 Telephone: 913-551-7365 Last EDR Contact: 07/08/2021

Next Scheduled EDR Contact: 07/20/2009 Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

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

Number of Days to Update: 142

Source: EPA, Region 1 Telephone: 617-918-1102 Last EDR Contact: 12/12/2023

Next Scheduled EDR Contact: 04/01/2024 Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Brownfields Site Listing

The Environmental Protection Agency (EPA) defines brownfields as 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.

Date of Government Version: 12/20/2018 Date Data Arrived at EDR: 03/06/2019 Date Made Active in Reports: 05/13/2019

Number of Days to Update: 68

Source: Department of Environmental Quality

Telephone: 406-841-5070 Last EDR Contact: 11/27/2023

Next Scheduled EDR Contact: 03/11/2024 Data Release Frequency: Quarterly

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: 08/15/2023 Date Data Arrived at EDR: 08/30/2023 Date Made Active in Reports: 12/01/2023

Number of Days to Update: 93

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

Last EDR Contact: 12/14/2023

Next Scheduled EDR Contact: 03/25/2024 Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Facilities

A listing of recycling center locations.

Date of Government Version: 05/01/2022 Date Data Arrived at EDR: 07/11/2022 Date Made Active in Reports: 09/27/2022

Number of Days to Update: 78

Source: Department of Environmental Quality

Telephone: 406-841-5200 Last EDR Contact: 01/05/2024

Next Scheduled EDR Contact: 04/22/2024 Data Release Frequency: Varies

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

Location of open dumps on Indian land.

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

Number of Days to Update: 52

Source: Environmental Protection Agency

Telephone: 703-308-8245 Last EDR Contact: 10/23/2023

Next Scheduled EDR Contact: 02/05/2024 Data Release Frequency: Varies

ODI: Open Dump Inventory

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

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

Number of Days to Update: 39

Source: Environmental Protection Agency

Telephone: 800-424-9346 Last EDR Contact: 06/09/2004 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

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: 01/11/2024

Next Scheduled EDR Contact: 04/29/2024 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 Serivces, Indian Health Service Telephone: 301-443-1452

Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 05/06/2024 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: 08/21/2023 Date Data Arrived at EDR: 08/21/2023 Date Made Active in Reports: 11/07/2023

Number of Days to Update: 78

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 11/17/2023

Next Scheduled EDR Contact: 03/04/2024 Data Release Frequency: No Update Planned

CDL: Clandestine Drug Labs
Clandestine drug lab locations.

Date of Government Version: 08/28/2023 Date Data Arrived at EDR: 08/31/2023 Date Made Active in Reports: 11/15/2023

Number of Days to Update: 76

Source: Department of Environmental Quality

Telephone: 406-444-2544 Last EDR Contact: 11/27/2023

Next Scheduled EDR Contact: 03/11/2024 Data Release Frequency: Quarterly

HIST CDL: Clandestine Drug Lab Listing

A listing of clandestine drug lab locations. This listing includes fields and records that the CDL listing does not. It is no longer updated by the state.

Date of Government Version: 07/05/2006 Date Data Arrived at EDR: 10/24/2006

Date Made Active in Reports: 11/07/2006 Number of Days to Update: 14 Source: Department of Environmental Quality

Telephone: 406-444-5286 Last EDR Contact: 01/02/2008

Next Scheduled EDR Contact: 03/31/2008 Data Release Frequency: No Update Planned

DEL SHWS: Delisted List of CECRA Sites

A list of sites that have been delisted from the CECRA Priority List.

Date of Government Version: 08/28/2023 Date Data Arrived at EDR: 08/31/2023 Date Made Active in Reports: 11/15/2023

Number of Days to Update: 76

Source: Department of Environmental Quality

Telephone: 406-444-1420 Last EDR Contact: 11/27/2023

Next Scheduled EDR Contact: 03/11/2024 Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

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

Date of Government Version: 08/21/2023 Date Data Arrived at EDR: 08/21/2023 Date Made Active in Reports: 11/07/2023

Number of Days to Update: 78

Source: Drug Enforcement Administration

Telephone: 202-307-1000 Last EDR Contact: 11/17/2023

Next Scheduled EDR Contact: 03/04/2024 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: 09/19/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 10/19/2023

Number of Days to Update: 16

Source: Environmental Protection Agency

Telephone: 202-564-6023 Last EDR Contact: 12/04/2023

Next Scheduled EDR Contact: 04/08/2024 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: 09/18/2023 Date Data Arrived at EDR: 09/20/2023 Date Made Active in Reports: 11/14/2023

Number of Days to Update: 55

Source: U.S. Department of Transportation

Telephone: 202-366-4555 Last EDR Contact: 12/13/2023

Next Scheduled EDR Contact: 04/01/2024 Data Release Frequency: Quarterly

SPILLS: Hazardous Material Spills Report

Reported spills or hazardous material spills or releases

Date of Government Version: 06/30/2023 Date Data Arrived at EDR: 07/27/2023 Date Made Active in Reports: 10/17/2023

Number of Days to Update: 82

Source: Department of Environmental Quality

Telephone: 406-431-0014 Last EDR Contact: 10/26/2023

Next Scheduled EDR Contact: 02/12/2024 Data Release Frequency: Quarterly

Other Ascertainable Records

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

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

Date of Government Version: 12/04/2023 Date Data Arrived at EDR: 12/06/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 6

Source: Environmental Protection Agency

Telephone: 303-312-6149 Last EDR Contact: 12/06/2023

Next Scheduled EDR Contact: 04/01/2024 Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 08/07/2023 Date Data Arrived at EDR: 08/15/2023 Date Made Active in Reports: 10/10/2023

Number of Days to Update: 56

Source: U.S. Army Corps of Engineers

Telephone: 202-528-4285 Last EDR Contact: 11/10/2023

Next Scheduled EDR Contact: 02/26/2024

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: 06/07/2021 Date Data Arrived at EDR: 07/13/2021 Date Made Active in Reports: 03/09/2022

Number of Days to Update: 239

Source: USGS

Telephone: 888-275-8747 Last EDR Contact: 01/10/2024

Next Scheduled EDR Contact: 04/22/2024 Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018 Date Data Arrived at EDR: 04/11/2018 Date Made Active in Reports: 11/06/2019 Number of Days to Update: 574 Source: U.S. Geological Survey Telephone: 888-275-8747 Last EDR Contact: 01/05/2024 Next Scheduled EDR Contact: 04

Next Scheduled EDR Contact: 04/15/2024

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: 07/30/2021 Date Data Arrived at EDR: 02/03/2023 Date Made Active in Reports: 02/10/2023

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 615-532-8599 Last EDR Contact: 11/08/2023

Next Scheduled EDR Contact: 02/19/2024 Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 09/18/2023 Date Data Arrived at EDR: 09/20/2023 Date Made Active in Reports: 12/12/2023

Number of Days to Update: 83

Source: Environmental Protection Agency

Telephone: 202-566-1917 Last EDR Contact: 12/13/2023

Next Scheduled EDR Contact: 04/01/2024 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: 10/31/2023

Next Scheduled EDR Contact: 02/12/2024 Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

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

Number of Days to Update: 73

Source: Environmental Protection Agency

Telephone: 703-308-4044 Last EDR Contact: 11/03/2023

Next Scheduled EDR Contact: 02/12/2024 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: 12/31/2020 Date Data Arrived at EDR: 06/14/2022 Date Made Active in Reports: 03/24/2023

Number of Days to Update: 283

Source: EPA

Telephone: 202-260-5521 Last EDR Contact: 12/14/2023

Next Scheduled EDR Contact: 03/25/2024 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: 12/31/2021 Date Data Arrived at EDR: 08/18/2023 Date Made Active in Reports: 11/07/2023

Number of Days to Update: 81

Source: EPA

Telephone: 202-566-0250 Last EDR Contact: 11/13/2023

Next Scheduled EDR Contact: 02/26/2024 Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 10/19/2023 Date Data Arrived at EDR: 10/20/2023 Date Made Active in Reports: 01/16/2024

Number of Days to Update: 88

Source: EPA

Telephone: 202-564-4203 Last EDR Contact: 01/17/2024

Next Scheduled EDR Contact: 04/29/2024 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: 09/19/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 10/19/2023

Number of Days to Update: 16

Source: EPA

Telephone: 703-416-0223 Last EDR Contact: 01/02/2024

Next Scheduled EDR Contact: 03/11/2024 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: 09/01/2023 Date Data Arrived at EDR: 09/27/2023 Date Made Active in Reports: 12/21/2023

Number of Days to Update: 85

Source: Environmental Protection Agency

Telephone: 202-564-8600 Last EDR Contact: 01/12/2024

Next Scheduled EDR Contact: 04/19/2024

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: 09/19/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 10/19/2023

Number of Days to Update: 16

Source: EPA

Telephone: 202-564-6023 Last EDR Contact: 12/04/2023

Next Scheduled EDR Contact: 02/12/2024 Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 03/20/2023 Date Data Arrived at EDR: 04/04/2023 Date Made Active in Reports: 06/09/2023

Number of Days to Update: 66

Source: EPA

Telephone: 202-566-0500 Last EDR Contact: 01/05/2024

Next Scheduled EDR Contact: 04/15/2024 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: 12/26/2023

Next Scheduled EDR Contact: 04/15/2024 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: No Update Planned

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

Date of Government Version: 04/09/2009 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: No Update Planned

MLTS: Material Licensing Tracking System

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

Date of Government Version: 07/20/2023 Date Data Arrived at EDR: 09/01/2023 Date Made Active in Reports: 09/20/2023

Number of Days to Update: 19

Source: Nuclear Regulatory Commission

Telephone: 301-415-0717 Last EDR Contact: 01/11/2024

Next Scheduled EDR Contact: 04/29/2024 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: 12/31/2021 Date Data Arrived at EDR: 04/14/2023 Date Made Active in Reports: 07/10/2023

Number of Days to Update: 87

Source: Department of Energy Telephone: 202-586-8719 Last EDR Contact: 11/27/2023

Next Scheduled EDR Contact: 03/11/2024 Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019

Number of Days to Update: 251

Source: Environmental Protection Agency

Telephone: N/A

Last EDR Contact: 11/27/2023

Next Scheduled EDR Contact: 03/11/2024 Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 09/13/2019 Date Data Arrived at EDR: 11/06/2019 Date Made Active in Reports: 02/10/2020

Number of Days to Update: 96

Source: Environmental Protection Agency

Telephone: 202-566-0517 Last EDR Contact: 11/03/2023

Next Scheduled EDR Contact: 02/12/2024 Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

Date of Government Version: 07/01/2019 Date Data Arrived at EDR: 07/01/2019 Date Made Active in Reports: 09/23/2019

Number of Days to Update: 84

Source: Environmental Protection Agency

Telephone: 202-343-9775 Last EDR Contact: 12/19/2023

Next Scheduled EDR Contact: 04/08/2024 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

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 Transporation, Office of Pipeline Safety Incident and Accident data.

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

Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety

Telephone: 202-366-4595 Last EDR Contact: 01/05/2024

Next Scheduled EDR Contact: 05/06/2024 Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 01/11/2024 Date Made Active in Reports: 01/16/2024

Number of Days to Update: 5

Source: Department of Justice, Consent Decree Library

Telephone: Varies

Last EDR Contact: 01/03/2024

Next Scheduled EDR Contact: 04/15/2024 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: 12/31/2021 Date Data Arrived at EDR: 03/09/2023 Date Made Active in Reports: 03/20/2023

Number of Days to Update: 11

Source: EPA/NTIS Telephone: 800-424-9346 Last EDR Contact: 12/06/2023

Next Scheduled EDR Contact: 04/01/2024 Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

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

than 640 acres.

Date of Government Version: 12/31/2014 Date Data Arrived at EDR: 07/14/2015 Date Made Active in Reports: 01/10/2017

Number of Days to Update: 546

Source: USGS

Telephone: 202-208-3710 Last EDR Contact: 01/02/2024

Next Scheduled EDR Contact: 04/15/2024 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: 03/03/2023 Date Data Arrived at EDR: 03/03/2023 Date Made Active in Reports: 06/09/2023

Number of Days to Update: 98

Source: Department of Energy Telephone: 202-586-3559 Last EDR Contact: 10/25/2023

Next Scheduled EDR Contact: 02/12/2024

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: 08/30/2019 Date Data Arrived at EDR: 11/15/2019 Date Made Active in Reports: 01/28/2020

Number of Days to Update: 74

Source: Department of Energy Telephone: 505-845-0011 Last EDR Contact: 11/09/2023

Next Scheduled EDR Contact: 02/26/2024

Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 09/19/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 10/19/2023

Number of Days to Update: 16

Source: Environmental Protection Agency

Telephone: 703-603-8787 Last EDR Contact: 01/02/2024

Next Scheduled EDR Contact: 04/08/2024

Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

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

Number of Days to Update: 36

Source: American Journal of Public Health

Telephone: 703-305-6451 Last EDR Contact: 12/02/2009 Next Scheduled EDR Contact: N/A

Data Release Frequency: No Update Planned

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

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

Telephone: 202-564-2496

Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

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

Number of Days to Update: 100

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

> Date of Government Version: 10/12/2016 Date Data Arrived at EDR: 10/26/2016 Date Made Active in Reports: 02/03/2017

Number of Days to Update: 100

Source: EPA

Source: EPA

Telephone: 202-564-2496 Last EDR Contact: 09/26/2017

Next Scheduled EDR Contact: 01/08/2018 Data Release Frequency: Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

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

Date of Government Version: 01/02/2024 Date Data Arrived at EDR: 01/03/2024 Date Made Active in Reports: 01/04/2024

Number of Days to Update: 1

Source: DOL, Mine Safety & Health Admi

Telephone: 202-693-9424 Last EDR Contact: 01/03/2024

Next Scheduled EDR Contact: 02/19/2024 Data Release Frequency: Quarterly

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: 08/01/2023 Date Data Arrived at EDR: 08/22/2023 Date Made Active in Reports: 11/07/2023

Number of Days to Update: 77

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959 Last EDR Contact: 11/17/2023

Next Scheduled EDR Contact: 03/04/2024 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: 01/07/2022 Date Data Arrived at EDR: 02/24/2023 Date Made Active in Reports: 05/17/2023

Number of Days to Update: 82

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 11/20/2023

Next Scheduled EDR Contact: 03/04/2024 Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

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

Number of Days to Update: 97

Source: USGS

Telephone: 703-648-7709 Last EDR Contact: 11/20/2023

Next Scheduled EDR Contact: 03/04/2024

Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

Date of Government Version: 11/28/2023 Date Data Arrived at EDR: 11/29/2023 Date Made Active in Reports: 12/11/2023

Number of Days to Update: 12

Source: Department of Interior Telephone: 202-208-2609 Last EDR Contact: 11/28/2023

Next Scheduled EDR Contact: 03/18/2024 Data Release Frequency: Quarterly

MINES MRDS: Mineral Resources Data System

Mineral Resources Data System

Date of Government Version: 08/23/2022 Date Data Arrived at EDR: 11/22/2022 Date Made Active in Reports: 02/28/2023

Number of Days to Update: 98

Source: USGS

Telephone: 703-648-6533 Last EDR Contact: 11/20/2023

Next Scheduled EDR Contact: 03/04/2024 Data Release Frequency: Varies

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: 11/03/2023 Date Data Arrived at EDR: 11/08/2023 Date Made Active in Reports: 11/20/2023

Number of Days to Update: 12

Source: EPA

Telephone: (303) 312-6312 Last EDR Contact: 11/08/2023

Next Scheduled EDR Contact: 03/11/2024 Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 05/06/2021 Date Data Arrived at EDR: 05/21/2021 Date Made Active in Reports: 08/11/2021

Number of Days to Update: 82

Source: Environmental Protection Agency

Telephone: 202-564-0527 Last EDR Contact: 11/15/2023

Next Scheduled EDR Contact: 03/04/2024 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: 09/23/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 01/04/2024

Number of Days to Update: 93

Source: Environmental Protection Agency

Telephone: 202-564-2280 Last EDR Contact: 12/28/2023

Next Scheduled EDR Contact: 04/15/2024 Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/06/2023 Date Data Arrived at EDR: 09/13/2023 Date Made Active in Reports: 12/11/2023

Number of Days to Update: 89

Source: Department of Defense Telephone: 703-704-1564 Last EDR Contact: 01/05/2024

Next Scheduled EDR Contact: 04/22/2024 Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels

Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 08/14/2023 Date Data Arrived at EDR: 08/15/2023 Date Made Active in Reports: 10/19/2023

Number of Days to Update: 65

Source: EPA

Telephone: 800-385-6164 Last EDR Contact: 11/10/2023

Next Scheduled EDR Contact: 02/26/2024 Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 09/23/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 12/21/2023

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 703-603-8895 Last EDR Contact: 12/28/2023

Next Scheduled EDR Contact: 04/15/2024 Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 09/23/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 12/21/2023

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 12/28/2023

Next Scheduled EDR Contact: 04/15/2024 Data Release Frequency: Varies

PFAS TRIS: List of PFAS Added to the TRI

Section 7321 of the National Defense Authorization Act for Fiscal Year 2020 (NDAA) immediately added certain per- and polyfluoroalkyl substances (PFAS) to the list of chemicals covered by the Toxics Release Inventory (TRI) under Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) and provided a framework for additional PFAS to be added to TRI on an annual basis.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 01/04/2024

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 202-566-0250 Last EDR Contact: 12/28/2023

Next Scheduled EDR Contact: 04/15/2024 Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 01/04/2024

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 12/28/2023

Next Scheduled EDR Contact: 04/15/2024 Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 12/28/2023 Date Data Arrived at EDR: 12/28/2023 Date Made Active in Reports: 01/04/2024

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 12/28/2023

Next Scheduled EDR Contact: 04/15/2024 Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020 Date Data Arrived at EDR: 03/17/2021 Date Made Active in Reports: 11/08/2022

Number of Days to Update: 601

Source: Department of Health & Human Services

Telephone: 202-741-5770

Last EDR Contact: 01/22/2024

Next Scheduled EDR Contact: 05/06/2024 Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 09/23/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 10/10/2023

Number of Days to Update: 7

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 12/28/2023

Next Scheduled EDR Contact: 04/15/2024 Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits. Caveats and Limitations: Less than half of states have required PFAS monitoring for at least one of their permittees and fewer states have established PFAS effluent limits for permittees. New rulemakings have been initiated that may increase the number of facilities monitoring for PFAS in the future.

Date of Government Version: 09/23/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 01/04/2024

Number of Days to Update: 93

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 12/28/2023

Next Scheduled EDR Contact: 04/15/2024 Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 09/23/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 12/21/2023

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 12/28/2023

Next Scheduled EDR Contact: 04/15/2024 Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 09/23/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 12/21/2023

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 12/28/2023

Next Scheduled EDR Contact: 04/15/2024 Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 09/23/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 12/21/2023

Number of Days to Update: 79

Source: Environmental Protection Agency

Telephone: 202-272-0167 Last EDR Contact: 12/28/2023

Next Scheduled EDR Contact: 04/15/2024 Data Release Frequency: Varies

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 09/23/2023 Date Data Arrived at EDR: 10/03/2023 Date Made Active in Reports: 12/21/2023 Number of Days to Update: 79 Source: Environmental Protection Agency Telephone: 202-267-2675 Last EDR Contact: 12/28/2023

Next Scheduled EDR Contact: 04/15/2024 Data Release Frequency: Varies

PCS: Permit Compliance System

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

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

Number of Days to Update: 55

Source: EPA, Office of Water Telephone: 202-564-2496 Last EDR Contact: 12/27/2023

Next Scheduled EDR Contact: 04/15/2024 Data Release Frequency: No Update Planned

PCS ENF: Enforcement data

No description is available for this data

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

Number of Days to Update: 29

Source: EPA

Telephone: 202-564-2497 Last EDR Contact: 12/27/2023

Next Scheduled EDR Contact: 04/15/2024 Data Release Frequency: Varies

BIOSOLIDS: ICIS-NPDES Biosolids Facility Data

The data reflects compliance information about facilities in the biosolids program.

Date of Government Version: 12/31/2023 Date Data Arrived at EDR: 01/03/2024 Date Made Active in Reports: 01/16/2024

Number of Days to Update: 13

Source: Environmental Protection Agency

Telephone: 202-564-4700 Last EDR Contact: 01/03/2024

Next Scheduled EDR Contact: 04/29/2024 Data Release Frequency: Varies

PFAS: PFOA & PFOS Site Listing

Perfluorinated Compounds (PFCs) are a very large group (more than 3000) of human-made chemicals that contain at least one fluorine atom. The family of PFCs has widely differing physical, chemical and biological properties, but are principally known for their ability to impart stain/water resistant properties to products. PFCs are used in automotive, electronics, firefighting and construction industries.

Date of Government Version: 06/10/2022 Date Data Arrived at EDR: 06/17/2022 Date Made Active in Reports: 09/08/2022

Number of Days to Update: 83

Source: Department of Environmental Quality

Telephone: 406-444-6697 Last EDR Contact: 12/07/2023

Next Scheduled EDR Contact: 03/25/2024

Data Release Frequency: Varies

AIRS: Emissions Inventory Listing Emissions inventory information.

> Date of Government Version: 09/13/2023 Date Data Arrived at EDR: 09/14/2023 Date Made Active in Reports: 12/06/2023

Number of Days to Update: 83

Source: Department of Environmental Quality

Telephone: 406-444-2742 Last EDR Contact: 12/12/2023

Next Scheduled EDR Contact: 04/01/2024 Data Release Frequency: Annually

ASBESTOS: Asbestos Notification Listing Asbestos notification sites

> Date of Government Version: 10/02/2023 Date Data Arrived at EDR: 10/05/2023 Date Made Active in Reports: 12/27/2023

Number of Days to Update: 83

Source: Department of Environmental Quality

Telephone: 406-444-6762 Last EDR Contact: 01/03/2024

Next Scheduled EDR Contact: 04/15/2024

Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Site Listing A listing of coal ash disposal site locations.

> Date of Government Version: 11/04/2020 Date Data Arrived at EDR: 11/13/2020 Date Made Active in Reports: 01/15/2021

Number of Days to Update: 63

Source: Department of Environmental Quality

Source: Department of Environmental Quality

Telephone: 406-444-1808 Last EDR Contact: 01/05/2024

Next Scheduled EDR Contact: 04/22/2024

Data Release Frequency: Varies

Telephone: 406-841-5251

DRYCLEANERS: Drycleaner facilities A listing of drycleaner facility locations.

> Date of Government Version: 09/08/2020 Date Data Arrived at EDR: 09/10/2020 Date Made Active in Reports: 12/03/2020

Number of Days to Update: 84

Last EDR Contact: 11/28/2023

Next Scheduled EDR Contact: 03/18/2024 Data Release Frequency: No Update Planned

ENF: Enforcement Cases Listing

Formal and penalty enforcement cases. The mission of DEQ's Enforcement Program is to facilitate timely, consistent and appropriate enforcement of the statutes and regulations administered by DEQ.

Date of Government Version: 09/06/2023 Date Data Arrived at EDR: 09/08/2023 Date Made Active in Reports: 11/28/2023

Number of Days to Update: 81

Source: Department of Environmental Quality

Telephone: 406-444-0379 Last EDR Contact: 11/28/2023

Next Scheduled EDR Contact: 03/18/2024

Data Release Frequency: Varies

Financial Assurance: Financial Assurance Information Listing

Financial Assurance information.

Date of Government Version: 05/31/2023 Date Data Arrived at EDR: 06/01/2023 Date Made Active in Reports: 08/22/2023

Number of Days to Update: 82

Source: Department of Environmental Quality

Telephone: 406-444-2876 Last EDR Contact: 11/28/2023

Next Scheduled EDR Contact: 03/18/2024 Data Release Frequency: Annually

FIN ASSURANCE 2: Financial Assurance Information Listing

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: 08/22/2022 Date Data Arrived at EDR: 08/24/2022 Date Made Active in Reports: 11/10/2022

Number of Days to Update: 78

Source: Department of Environmental Quality

Telephone: 406-444-6762 Last EDR Contact: 11/28/2023

Next Scheduled EDR Contact: 03/18/2024 Data Release Frequency: Varies

ABANDONED MINES: Abandoned and Inactive Mines Database

Mine locations and attributes from the Montana Bureau of Mines and Geology (MBMG) Abandoned and Inactive Mines database. This data was compiled by MBMG using the U.S. Bureau of Mines MILS database as a basis. The information was updated during the USDA Forest Service (Region 1) and U.S. Bureau of Land Management mine inventory (conducted from 1992 to 2002). The coordinates and legal descriptions come from sources of varying accuracy. The attributes included here are a subset of those available from the MBMG database.

Date of Government Version: 05/05/2022 Date Data Arrived at EDR: 08/22/2022 Date Made Active in Reports: 09/16/2022

Number of Days to Update: 25

Source: Bureau of Mines and Geology Telephone: 406-496-4606

Last EDR Contact: 11/30/2023 Next Scheduled EDR Contact: 03/11/2024 Data Release Frequency: Varies

REM RPROGRAM: Remediation Response Site Database

A listing of sites included in the Remediation Response Site Database.

Date of Government Version: 12/20/2018 Date Data Arrived at EDR: 03/06/2019 Date Made Active in Reports: 05/13/2019

Number of Days to Update: 68

Source: Department of Environmental Quality

Telephone: 406-444-0474 Last EDR Contact: 11/21/2023

Next Scheduled EDR Contact: 03/11/2024 Data Release Frequency: Quarterly

UIC: UIC Wells Listing

The Montana Board of Oil & Gas Conservation (MBOGC) was delegated Primacy over the Class II Underground Injection Control (UIC) Program in Montana effective November 19, 1996. The program was previously implemented directly by the United States Environmental Protection Agency (EPA) Region VIII office in Denver, Colorado.

Date of Government Version: 12/13/2023 Date Data Arrived at EDR: 12/13/2023 Date Made Active in Reports: 12/18/2023

Number of Days to Update: 5

Source: Departmnet of Natural Resources & Conservation

Telephone: 406-656-0040 Last EDR Contact: 12/13/2023

Next Scheduled EDR Contact: 04/01/2024 Data Release Frequency: Varies

WQA: WQA Site Ranking List

Sites regulated under the Montana Water Quality Act (WQA) are addressed by the Groundwater Remediation Program. These sites typically require long-term soil, surface water, and/or groundwater remediation and monitoring. This program addresses sites that are not addressed by the Leaking Underground Storage Tank Program, CECRA Program, Permitting and Compliance Division, or other state authorities.

Date of Government Version: 08/28/2023 Date Data Arrived at EDR: 08/30/2023 Date Made Active in Reports: 11/15/2023

Number of Days to Update: 77

Source: Department of Environmental Quality

Telephone: 406-841-5062 Last EDR Contact: 11/28/2023

Next Scheduled EDR Contact: 03/11/2024 Data Release Frequency: Quarterly

UST FINDER: UST Finder Database

EPA developed UST Finder, a web map application containing a comprehensive, state-sourced national map of underground storage tank (UST) and leaking UST (LUST) data. It provides the attributes and locations of active and closed USTs, UST facilities, and LUST sites from states and from Tribal lands and US territories. UST Finder contains information about proximity of UST facilities and LUST sites to: surface and groundwater public drinking water protection areas; estimated number of private domestic wells and number of people living nearby; and flooding and wildfires.

Date of Government Version: 06/08/2023 Date Data Arrived at EDR: 10/04/2023 Date Made Active in Reports: 01/18/2024

Number of Days to Update: 106

Source: Environmental Protection Agency

Telephone: 202-564-0394 Last EDR Contact: 11/09/2023

Next Scheduled EDR Contact: 02/19/2024 Data Release Frequency: Varies

UST FINDER RELEASE: UST Finder Releases Database

US EPA's UST Finder data is a national composite of leaking underground storage tanks. This data contains information about, and locations of, leaking underground storage tanks. Data was collected from state sources and standardized into a national profile by EPA's Office of Underground Storage Tanks, Office of Research and Development, and the Association of State and Territorial Solid Waste Management Officials.

Date of Government Version: 06/08/2023 Date Data Arrived at EDR: 10/31/2023 Date Made Active in Reports: 01/18/2024

Number of Days to Update: 79

Source: Environmental Protecton Agency

Telephone: 202-564-0394 Last EDR Contact: 10/31/2023

Next Scheduled EDR Contact: 02/19/2024 Data Release Frequency: Semi-Annually

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 Source: EDR, Inc.
Date Data Arrived at EDR: N/A Telephone: N/A
Date Made Active in Reports: N/A Last EDR Contact: N/A

Number of Days to Update: N/A Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS 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 Environmental Quality in Montana.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/08/2014
Number of Days to Update: 191

Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

Source: Department of Environmental Quality

Source: Department of Environmental Quality

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 Environmental Quality in Montana.

Date of Government Version: N/A Date Data Arrived at EDR: 07/01/2013 Date Made Active in Reports: 01/03/2014 Number of Days to Update: 186

Telephone: N/A Last EDR Contact: 06/01/2012 Next Scheduled EDR Contact: N/A Data Release Frequency: Varies

OTHER DATABASE(S)

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

NY MANIFEST: Facility and Manifest Data

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

Date of Government Version: 12/31/2019 Date Data Arrived at EDR: 11/30/2023 Date Made Active in Reports: 12/01/2023

Number of Days to Update: 1

Source: Department of Environmental Conservation

Telephone: 518-402-8651 Last EDR Contact: 11/30/2023

Next Scheduled EDR Contact: 02/05/2024 Data Release Frequency: Quarterly

Oil/Gas Pipelines

Source: Endeavor Business Media

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

Electric Power Transmission Line Data

Source: Endeavor Business Media

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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 Facility List

Source: Department of Public Health & Human Services

Telephone: 406-444-1742

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, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland and Riparian Framework

Source: Natural Heritage Program Telephone: 406-444-0915

Current USGS 7.5 Minute Topographic Map Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK®-PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MARSHALL MOUNTAIN 5250 MARSHALL CANYON ROAD MISSOULA, MT 59802

TARGET PROPERTY COORDINATES

Latitude (North): 46.91766 - 46° 55' 3.58" Longitude (West): 113.907432 - 113° 54' 26.76"

Universal Tranverse Mercator: Zone 12 UTM X (Meters): 278620.9 UTM Y (Meters): 5199899.5

Elevation: 4088 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 15018025 NORTHEAST MISSOULA, MT

Version Date: 2020

East Map: 15017953 BLUE POINT, MT

Version Date: 2020

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.

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).

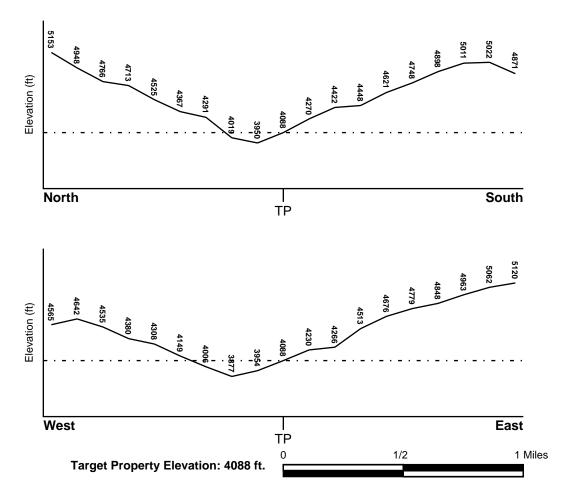
TOPOGRAPHIC INFORMATION

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 NW

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.

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

Flood Plain Panel at Target Property FEMA Source Type

30063C1220E FEMA FIRM Flood data

Additional Panels in search area: FEMA Source Type

Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property Data Coverage

NORTHEAST MISSOULA 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.

 MAP ID
 FROM TP
 GROUNDWATER FLOW

 Not Reported
 GROUNDWATER FLOW

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

GEOLOGIC AGE IDENTIFICATION

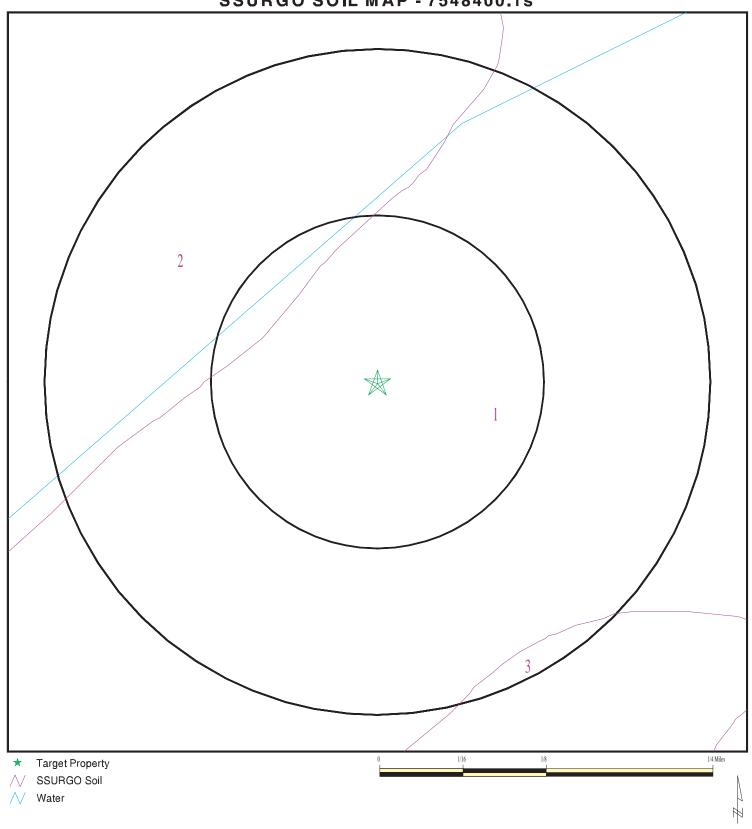
Era: Precambrian Category: Stratified Sequence

System: Precambrian
Series: Missoula Group

Code: Y3 (decoded above as Era, System & Series)

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 - 7548400.1s



SITE NAME: Marshall Mountain ADDRESS: 5250 Marshall Canyon Road

Missoula MT 59802 LAT/LONG: 46.91766 / 113.907432 CLIENT: NewFields CONTACT: Tait Aune INQUIRY#: 7548400.1s

DATE: January 23, 2024 3:37 pm

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: MITTEN

Soil Surface Texture:

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

	Boundary			Classi	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	9 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 7.3 Min: 5.6
2	9 inches	16 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 7.3 Min: 5.6
3	16 inches	33 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 7.3 Min: 5.6
4	33 inches	59 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 7.3 Min: 5.6

Soil Map ID: 2

Soil Component Name: WINKLER

Soil Surface Texture:

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classif	fication	Saturated hydraulic	
Layer	ayer Upper Lower Soil Texture Cl		Soil Texture Class	AASHTO Group	Unified Soil	conductivity micro m/sec	
1	0 inches	3 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 6.5 Min: 5.6
2	3 inches	20 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 6.5 Min: 5.6
3	20 inches	40 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 6.5 Min: 5.6
4	40 inches	59 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 6.5 Min: 5.6

Soil Map ID: 3

Soil Component Name: TEVIS

Soil Surface Texture:

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep,

moderately well and well drained soils with moderately coarse

textures.

Soil Drainage Class: Somewhat excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Boundary			Boundary		Classification		
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	hydraulic conductivity micro m/sec	Soil Reaction (pH)
1	0 inches	3 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 7.3 Min: 6.1

Soil Layer Information							
	Bou	ndary		Classif	fication	Saturated hydraulic	
Layer	Upper	Lower	Soil Texture Class	AASHTO Group Unified Soil		conductivity micro m/sec	
2	3 inches	14 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 7.3 Min: 6.1
3	14 inches	22 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 7.3 Min: 6.1
4	22 inches	59 inches		Not reported	Not reported	Max: 42 Min: 14	Max: 7.3 Min: 6.1

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

FEDERAL USGS WELL INFORMATION	
	LOCATION

SEARCH DISTANCE (miles)

Nearest PWS within 1 mile

1.000

1.000

MAP ID WELL ID FROM TP

No Wells Found

DATABASE

Federal USGS

State Database

Federal FRDS PWS

MAP ID WELL ID EROM TP

No PWS System Found

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

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

STATE DATABASE WELL INFORMATION

MAP ID WELL ID FROM TP

1 MTD6000000001414 LOCATION FROM TP

1/8 - 1/4 Mile NNE

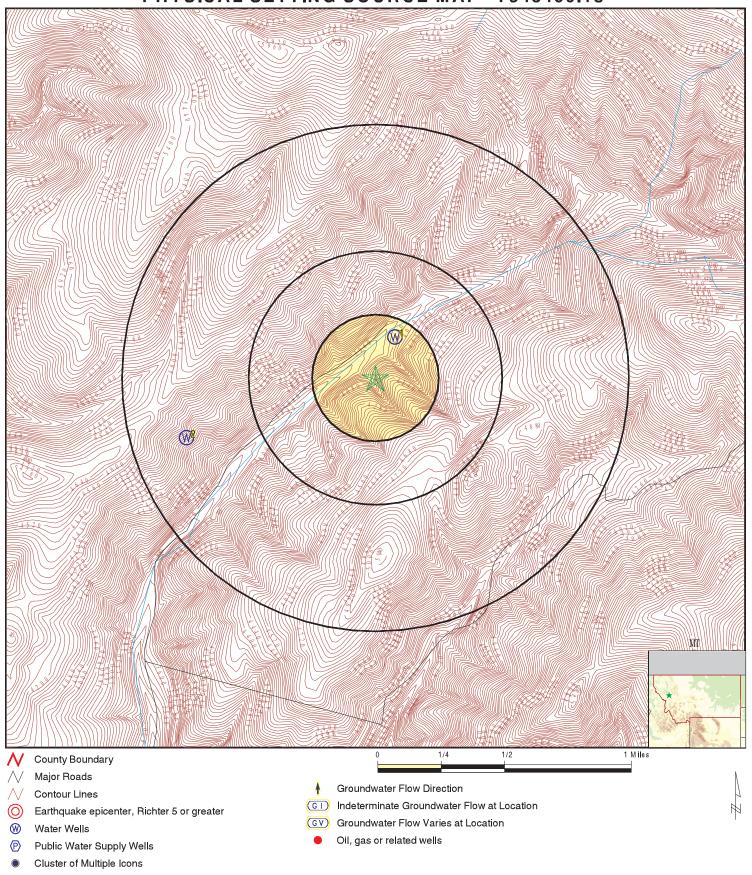
GEOCHECK[®] - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

MAP ID WELL ID FROM TP

2 MTG800000082648 1/2 - 1 Mile WSW

PHYSICAL SETTING SOURCE MAP - 7548400.1s



SITE NAME: Marshall Mountain ADDRESS: 5250 Marshall Canyon Road

Missoula MT 59802 LAT/LONG: 46.91766 / 113.907432 CLIENT: NewFields CONTACT: Tait Aune INQUIRY#: 7548400.1s

DATE: January 23, 2024 3:37 pm

GEOCHECK®-PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance

Elevation Database EDR ID Number

1 NNE MT WELLS MTD60000001414

1/8 - 1/4 Mile Lower

Database: Montana Public Water Supply Well Location (DEQ)

PWS ID: MT0000854 Primary Name: Marshall Ski Area

Water Class: Non-Community, AKA Transient Well Status: Inactive Water Source: Spring #1 Source Status: Inactive

2 WSW MT WELLS MTG80000082648 1/2 - 1 Mile Higher

WELLS - GWIC:

Database: Montana Groundwater Information Center Water Well Data (GWIC) Database

GWIC ID: 67941 Site Name: OLSON LOUIS

Well Type: WELL Total Depth (ft): 90

Completion Date: Non-Pumping Depth to Water (ft): 35 01-JAN-48 Drill Method: Not Reported Drilling Company: Not Reported Not Reported Driller Name: Not Reported Driller License Type: Driller License #: Driller File #: Not Reported Verified Tag: 012242 Abandoned: Not Reported **NEW WELL** Date Abandoned: Not Reported Well Status:

Flowing: Not Reported Depth Water Enters (ft): 0
Aquifer: Not Reported Priority: 0
Well Use: Not Reported Well Use Priority: 0

DNRC Water Right: Not Reported Water Users: DOMESTIC Yield (gpm): Not Reported Pumping Water Levels (ft): Not Reported

Report URL: http://mbmggwic.mtech.edu/sqlserver/v11/reports/SiteSummary.asp?gwicid=67941&reqby=M&

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: MT Radon

Radon Test Results

Total Meas	Mean	Geom mean	Median	Std Dev	Max	% Sites>4 pCi/L	% Sites>10 pCi/L
					_		
60	6.6	4.6	4.6	6.5	42.2	58	3

Federal EPA Radon Zone for MISSOULA 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: 59802

Number of sites tested: 17

Area Average Activity % <4 pCi/L % 4-20 pCi/L % >20 pCi/L Living Area - 1st Floor 1.200 pCi/L 100% 0% 0% Living Area - 2nd Floor Not Reported Not Reported Not Reported Not Reported 7.788 pCi/L Basement 12% 88% 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, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland and Riparian Framework

Source: Natural Heritage Program Telephone: 406-444-0915

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

Montana Public Water Supply Well Locations Source: Department of Environmental Quality

Telephone: 406-444-3744

Montana Groundwater Information Center Water Well Data

Source: Bureau of Mines and Geology

Telephone: 406-444-5358

OTHER STATE DATABASE INFORMATION

Montana Oil/Gas Wells Database

Source: Montana Board of Oil and Gas

Telephone: 406-656-0040

RADON

State Database: MT Radon

Source: Department of Environmental Quality

Telephone: 406-444-6768 Radon Test Results

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

TC7548400.1s Page PSGR-2

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX D

Aerial Photographs

Marshall Mountain

5250 Marshall Canyon Road Missoula, MT 59802

Inquiry Number: 7548400.5

January 24, 2024

The EDR Aerial Photo Decade Package



EDR Aerial Photo Decade Package

01/24/24

Site Name: Client Name:

Marshall Mountain NewFields

5250 Marshall Canyon Road 700 SW Higgins Avenue, Suite 15

Missoula, MT 59802 MISSOULA, MT 59803 EDR Inquiry # 7548400.5 Contact: Tait Aune



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:

Year	Scale	Details	Source
2019	1"=875'	Flight Year: 2019	USDA/NAIP
2016	1"=875'	Flight Year: 2016	USDA/NAIP
2013	1"=875'	Flight Year: 2013	USDA/NAIP
2009	1"=875'	Flight Year: 2009	USDA/NAIP
2006	1"=875'	Flight Year: 2006	USDA/NAIP
1995	1"=875'	Acquisition Date: January 01, 1995	USGS/DOQQ
1990	1"=875'	Flight Date: September 01, 1990	USGS
1984	1"=875'	Flight Date: August 09, 1984	USDA
1976	1"=875'	Flight Date: August 24, 1976	USGS
1964	1"=875'	Flight Date: July 20, 1964	USGS
1961	1"=875'	Flight Date: August 24, 1961	USGS
1955	1"=875'	Flight Date: August 17, 1955	USGS

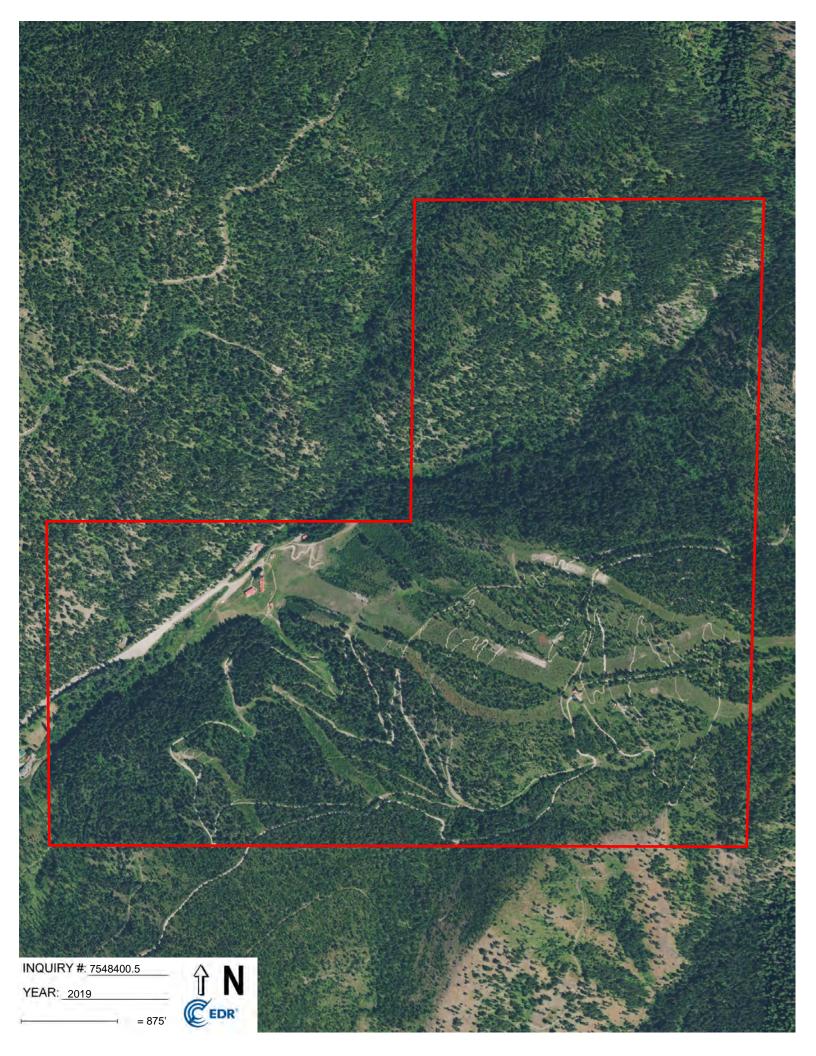
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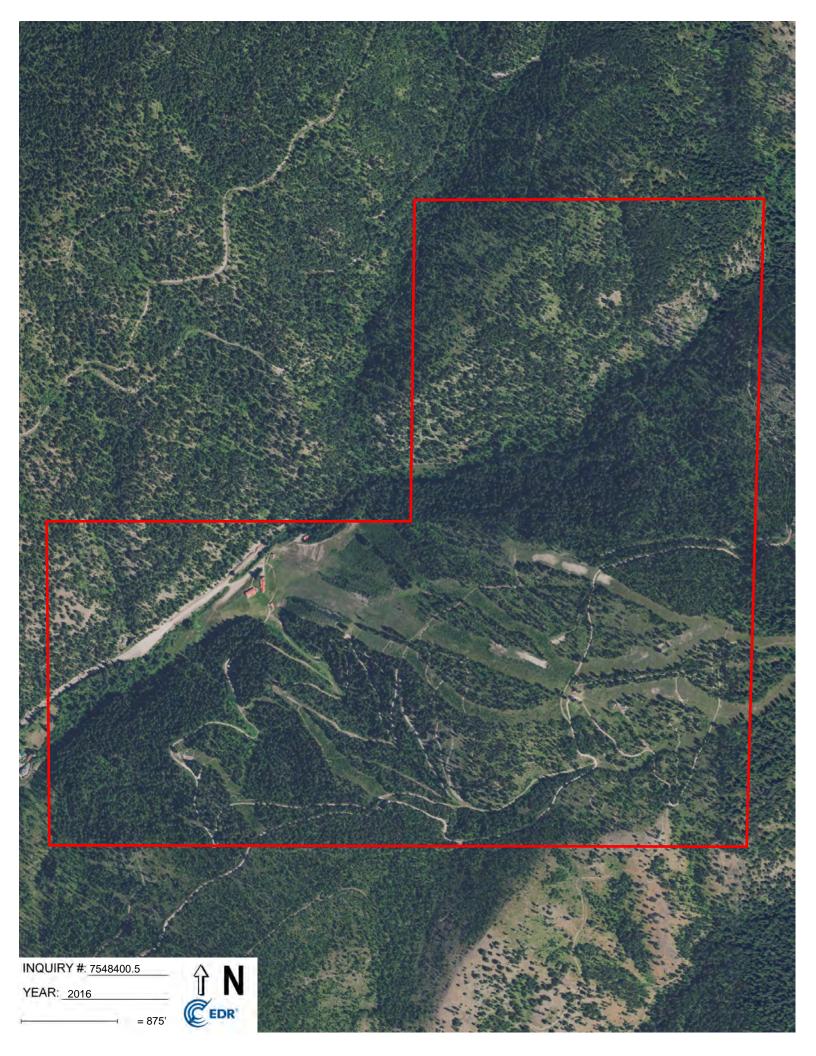
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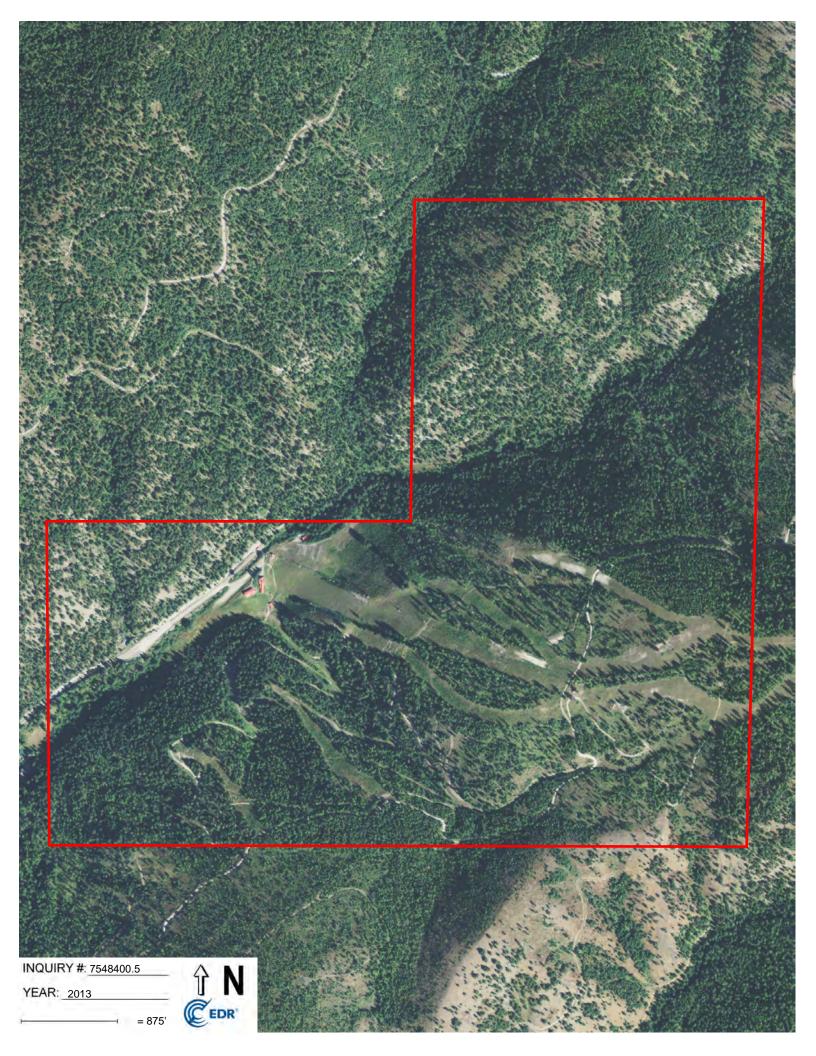
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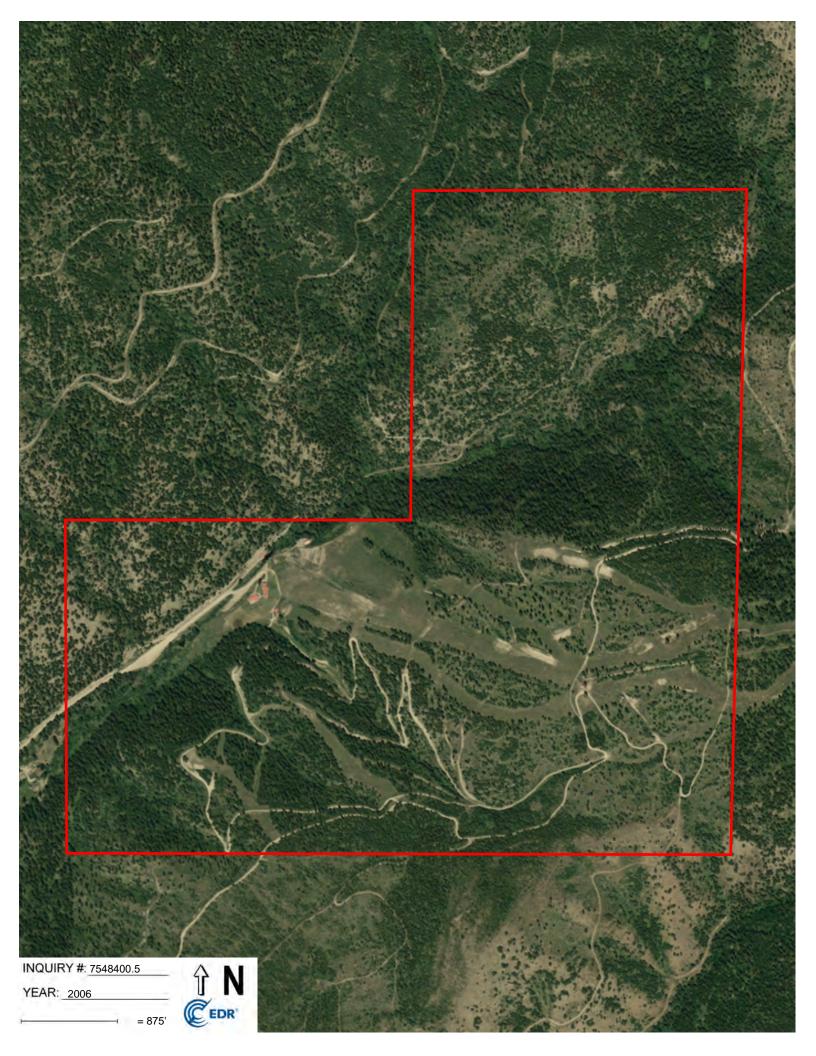
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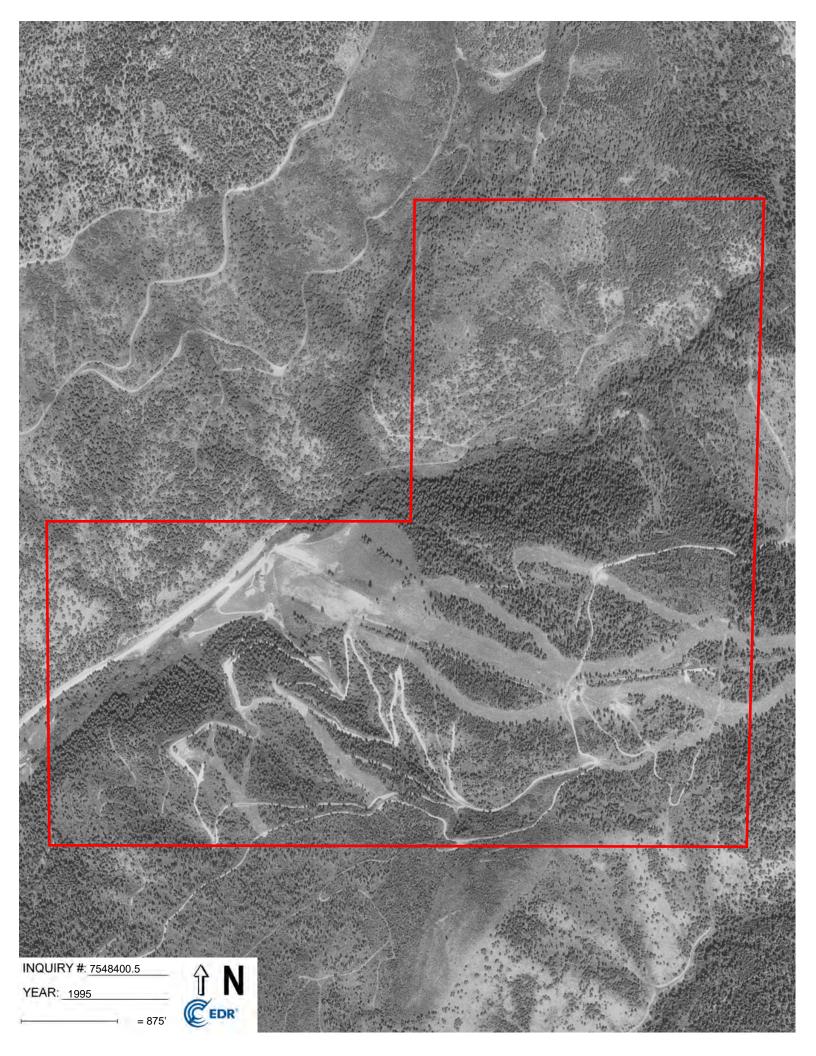




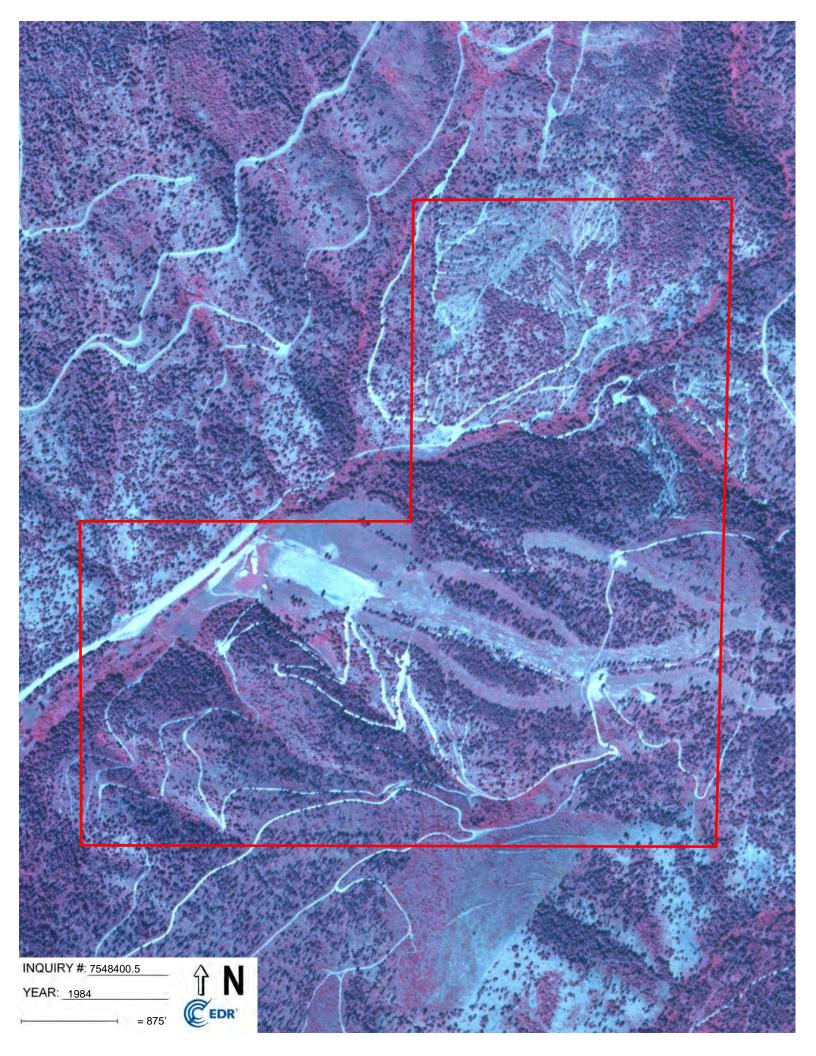
















INQUIRY #: 7548400.5 YEAR: 1961 Subject boundary not shown because it exceeds image extent or image is not georeferenced. = 875'





APPENDIX E

Historical Topographic Maps

Marshall Mountain 5250 Marshall Canyon Road Missoula, MT 59802

Inquiry Number: 7548400.4

January 23, 2024

EDR Historical Topo Map Report

with QuadMatch™



EDR Historical Topo Map Report

01/23/24

Site Name: Client Name:

Marshall Mountain NewFie

5250 Marshall Canyon Road Missoula, MT 59802

EDR Inquiry # 7548400.4

NewFields

700 SW Higgins Avenue, Suite 15

MISSOULA, MT 59803

Contact: Tait Aune



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

Search Results:		Coordinates:	
P.O.#	350.0506.001-03-02	Latitude:	46.91766 46° 55' 4" North
Project:	Missoula County	Longitude:	-113.907432 -113° 54' 27" West
-	,	UTM Zone:	Zone 12 North
		UTM X Meters:	278627.71
		UTM Y Meters:	5200118.02
		Elevation:	4106.95' above sea level

Maps Provided:

2020

2017

2014

1999

1976, 1978

1964, 1965

1903

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Topo Sheet Key

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

2020 Source Sheets



Northeast Missoula 2020 7.5-minute, 24000



Blue Point 2020 7.5-minute, 24000

2017 Source Sheets



Northeast Missoula 2017 7.5-minute, 24000



Blue Point 2017 7.5-minute, 24000

2014 Source Sheets



Northeast Missoula 2014 7.5-minute, 24000



Blue Point 2014 7.5-minute, 24000

1999 Source Sheets



Northeast Missoula 1999 7.5-minute, 24000 Aerial Photo Revised 1995



Blue Point 1999 7.5-minute, 24000 Aerial Photo Revised 1995

Topo Sheet Key

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

1976, 1978 Source Sheets



Blue Point 1976 7.5-minute, 24000 Aerial Photo Revised 1961



Northeast Missoula 1978 7.5-minute, 24000 Aerial Photo Revised 1976

1964, 1965 Source Sheets



Northeast Missoula 1964 7.5-minute, 24000 Aerial Photo Revised 1961

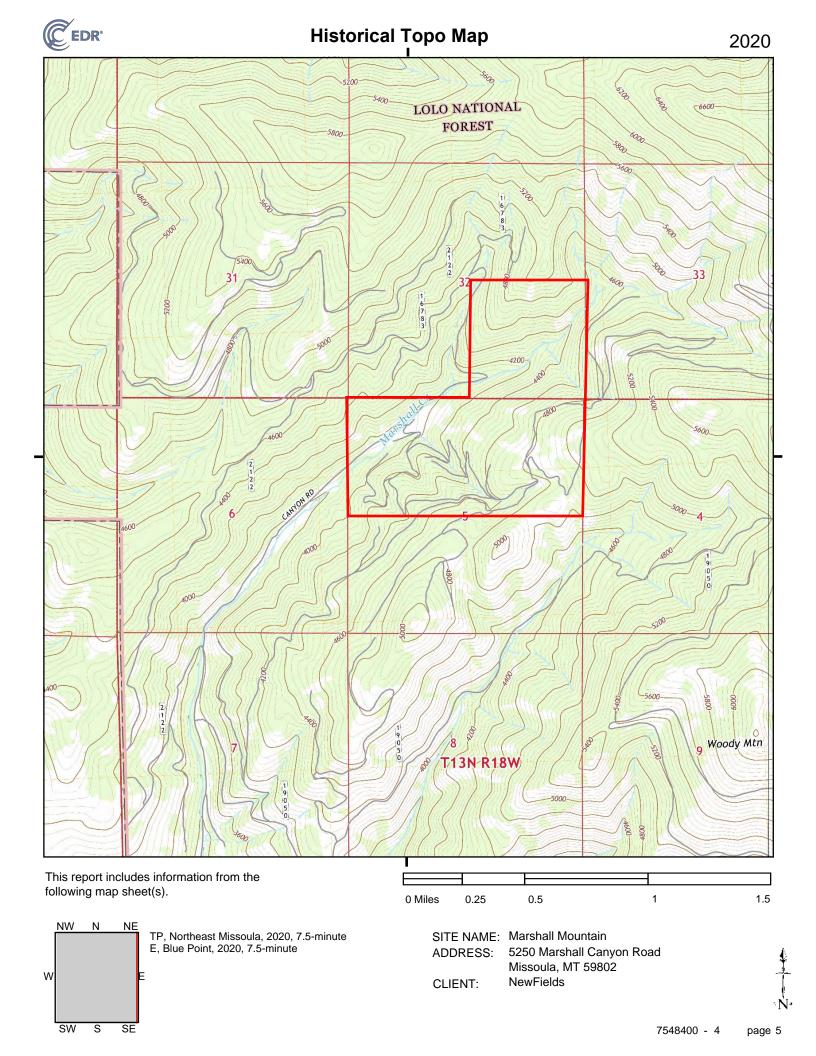


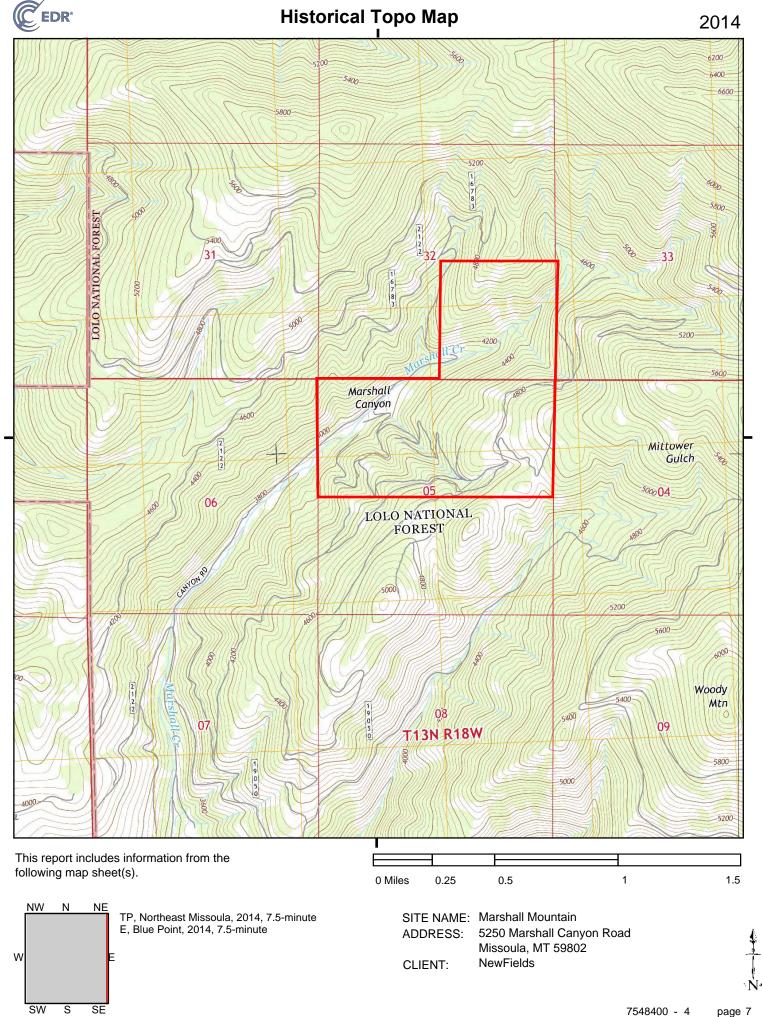
Blue Point 1965 7.5-minute, 24000 Aerial Photo Revised 1961

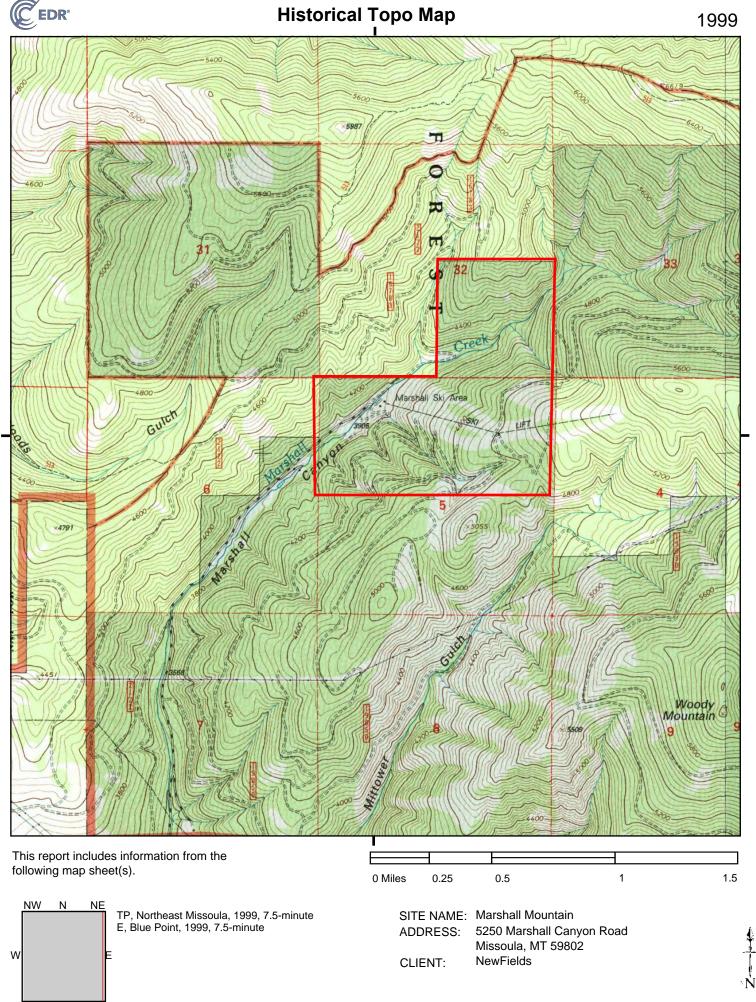
1903 Source Sheets

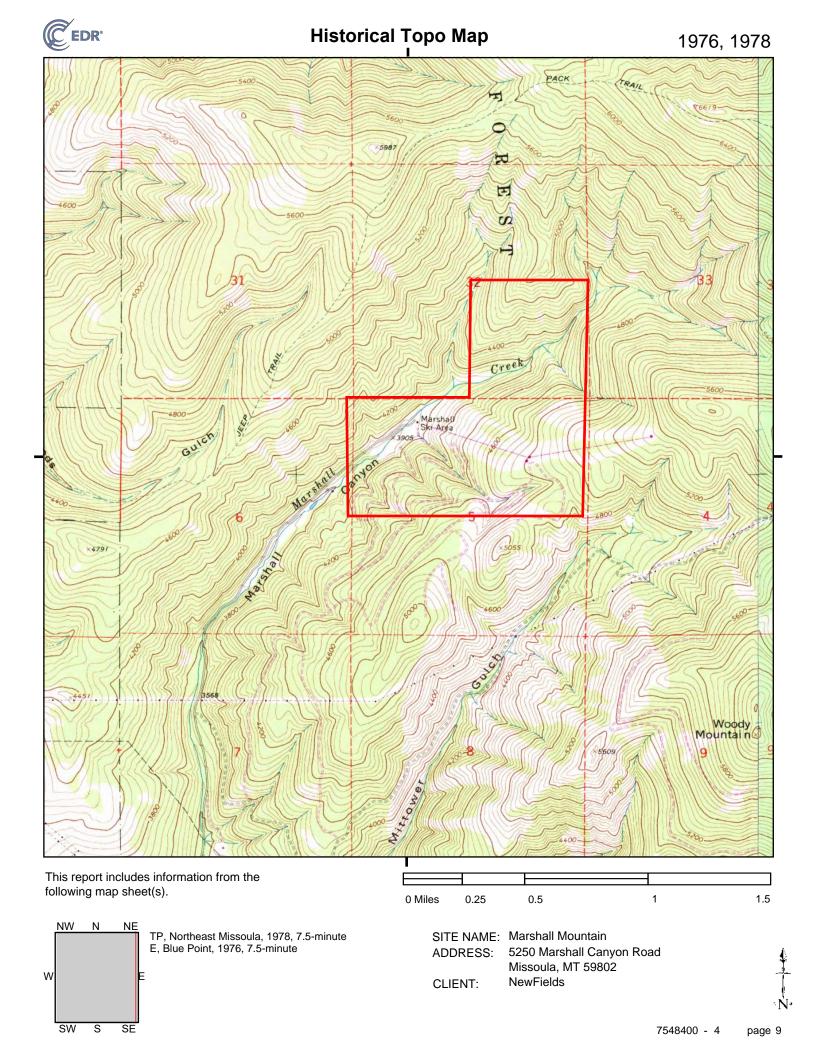


Bonner 1903 30-minute, 125000



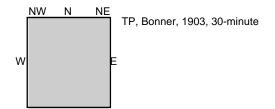


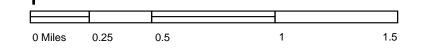




TP, Northeast Missoula, 1964, 7.5-minute SITE NAME: Marshall Mountain E, Blue Point, 1965, 7.5-minute ADDRESS: 5250 Marshall Canyon Road Missoula, MT 59802 NewFields CLIENT: 7548400 - 4 page 10

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





SITE NAME: Marshall Mountain

ADDRESS: 5250 Marshall Canyon Road

Missoula, MT 59802

CLIENT: NewFields



APPENDIX F

Field Notes



Address/Location:	5250 Marshall Canyon Road	Phone Number:
NewFields Staff:	Tait Aune	Other Interviewees:
Site Manager:	Rick Wishcamper	
Method(s) Used to 0 Foot/Walking	Observe Property:	
Access/Observation	Limitations:	
Snow obscuring obs	servation of ground cover. Building acces	ss unavailable
	Item	Observation
I. GENERAL SIT	E SETTING	
1. Property Current	and Past Use(s):	Open ground around site buildings surrounded by forested areas. Buildings are situated on a slope terrace east of the creek.
2. Surrounding Area	a Current and Past Use(s):	Multiple ski and bike trails present in forested area.
3. Adjoining Properties Current and Past Use(s):		Forested areas with trails and service roads present.
4. Site Topography		Open ground slopes to the northwest, with forested mountains surrounding the open ground.
5. Site Hydrology		Marshall Creek flows from NE to SW through the property.
StreamsSprings, seepsPondsSurface water flo	ow direction	Drainage outlet to SW of Two Lrg Buildings near parking lot
6. Site Geology, Hyd Sinkholes Mining activity? Groundwater occ Outcrops		Marshall Creek flowing NE to SW.



Item	Observation
I. GENERAL SITE SETTING	
7. Structures – General Description • No. buildings • No. stories • Date – orig. construction, renovations • General condition	Two main buildings: Two story lodge with wood siding and metal roof. A second two-story building with clock tower, wood siding, concrete lower level, and metal roof. Additional outbuildings: A maintenance garage and storage shed in the SE of the open ground with wood siding and metal roof. An electrical shack in the SE near the maintenance garage of similar construction. A former lift operation shack in the SW. A chairlift operations shack in the N Center of the property with wood siding and metal roofing. Two shacks in the NW of similar construction. A metal storage pavilion in the N Center of the property with a metal roof. Metal chairlift with chairs removed.
8. Site Surface Cover • Vegetation - type • Manmade - type	Grass cover beneath the snow that is manicured at the lower terrace and former ski runs. Tree cover consists of various conifers on mountains.
9. Roads • Adjoining thoroughfares • Streets, roads, paths – use/outlet/public access • Parking facilities	Marshall Canyon Road exists as a public access that runs SE to NW, terminating at the property. A smaller private maintenance and access road continues up the canyon. Maintenance roads in areas of the property.
10. Potable Water Supply • Source	No potable water source observed during the site visit.
11. Sewage Disposal System • Type • Age	No sewage disposal system observed during the site visit.



Item	Observation
II. INTERIOR/EXTERIOR OBSERVATIONS	
1. Aboveground Tasks (ASTs) Check for tank pads, piping evidence of former tanks How Many? For Each: Location Contents Age Volume (cap.) Piping/condition? Condition (check for fixture leakage, ruptures, corrosion, dents, etc. Spills/leaks? (check for stained soil, dead vegetation, etc.)	No ASTs observed during the site visit.
2. Underground Tanks, (USTs) Check for vent and fill pipes, pump pads, cover plates, other aboveground access ways How Many? For Each: Location Contents Age Volume (cap.) Condition/inspections? Spills/leaks Piping/condition? If closed – closure date, procedure used	No USTs observed during the site visit.
3. Odors	No odors observed during the site visit.
DescribeSource(s)?	
4. Pools of Liquids • Type? • Sumps w/liquids	No pools of liquids observed during the site visit.
5. Drums • Location • Contents • Labels • Condition (check for seals, bulges, rusting, proper closure) • Spill control features? • Type • Size/capacity • Leakage?	Drums containing oil and other automotive fluids present in the south NW storage shack. 55-gal drums
6. Other Containers • Location • Contents • Labels • Storage conditions • Type • Approx. size/quantity • Leakage? • Spill control features?	5-gal container of automotive lubricant on top of drums in the south NW Storage shack. Other plastic container of auto fluids.



Item	Observation
II. INTERIOR/EXTERIOR OBSERVATIONS	
7. PCB Items Check electrical, hydraulic equipment, esp. transformers do not include fluorescent light ballasts Location Age Condition Type Labels/ID Nos.? Leakage?	No potential PCB containing items observed during the site visit.
III. INTERIOR OBSERVATIONS	
1. Heating/Cooling system Type Fuel source Boiler room Exhaust(s)	No heating or cooling system observed during the site visit.
2. Stains/Corrosion • Floors • Walls • Ceilings • Sources?	No stains or corrosion observed during the site visit.
3. Drains/Sumps • Where go?	No drains or sumps observed during the site visit.
4. Flooring Material	No flooring materials observed during the site visit.
Insulation Type (If asbestos – see optional asbestos section at end of checklist)	No insulation observed during the site visit.
6. Process Equipment Check For: Paint booths? Dip tanks? Sanding? Cleaning units/degreasers? Plating?	No processing equipment observed during the site visit.



Item	Observation
IV. EXTERIOR OBSERVATIONS	
 1. Pits, Ponds, Lagoons Location Age Type of const. What used for/contents Size General condition Pollution control? Discharge? To what? Monitoring? (If wells – note number, location, depth, condition) Any leaks, seeps spill evidence? 	A small pond is present at the N-NW. Pond contains fish and serves as a former water storage for irrigation and snow making. Pond is supplied by Marshall Creek, and discharges into Marshall Creek.
2. Stained Soil, Pavement • Describe • Sources?	No stained soil or pavement observed during the site visit.
3. Stressed Vegetation • Describe • Use of herbicides? Pesticides? o Location o Amount/frequency of application o Who applied	No stressed vegetation observed during the site visit.
4. Solid Waste Disposal – Landfills, Waste Piles (incinerators)	No solid waste disposal observed during the site visit.
 5. Wastewaters/Stormwaters Discharge to drains? Ditches? Streams? Manholes? Oil/water separators? Wastewater treatment? What kind? If sludge generated, where disposed? 	No wastewater or stormwater observed during the site visit.
Wells – Dry Wells, Water Wells, Irrigation, injection, Oil and Gas, Monitoring, Abandoned	No wells observed during the site visit.
7. On site Septic System – Tanks, Cesspools • Type • Condition	No septic system observed during the site visit.

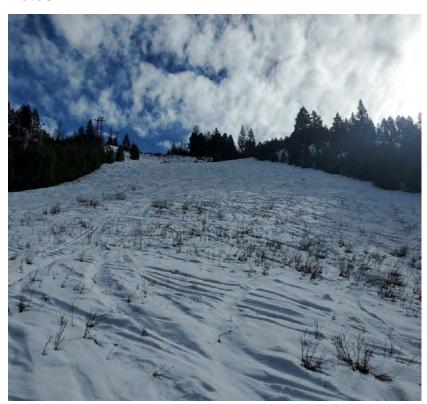


ltem Observation		
	Observation	
IV. EXTERIOR OBSERVATIONS		
 8. Pipelines General location Type (substances carried) Age Construction Depth Size Leakage? Tests? 	No pipeline observed during the site visit.	
9. Air Emissions • Exhausts • Stacks • Vents • Incinerators • Air pollution control equipment (baghouses, cyclones, etc.) • Sources, emissions? V. QUESTIONS – HELPFUL DOCUMENTS, LEGAL	No sources of air emissions observed during the site visit.	
1.	Previous Phase I and Phase II ESAs, Site History, City Planning and	
 Site Plans Aerials ESA Reports Environmental Audit Reports Environmental Permits (e.g., solid waste, haz. Waste, NPDES, air, wastewater, pretreatment, UIC) Type Status UST/AST Registrations UST/AST Inspections UST/AST Inventory Reports MSDS Sheets Community Right to Know Plan Safety, SPCC Plans Spill Reports Fire Dept. hazardous Use Permits/Inspections Pipeline Inspection Reports Hazardous Waste Generator, Notification or Reports Hazardous Waste Manifests/Solid Waste Disposal Documentation Hydrogeologic Reports Geotechnical Studies Correspondence RE: Violations or Env. Liens Knowledge of Any Pending, Threatened, or Past Litigation, Administrative Proceedings, or Notices of Possible Env. Liability? Reports regarding any self directed or other cleanup activities Risk Assessments Activity and use limitations Safety data sheets (SDS) 	Development Plans	
VI. ADDITIONAL ITEMS		
1. Non-Scope Items	No Non-Scope items observed during the site visit.	



for Missoula County Brownfields Revitalizati on 02/21/2024

Site Photos







for Missoula County Brownfields Revitalizati on 02/21/2024

Site Photos



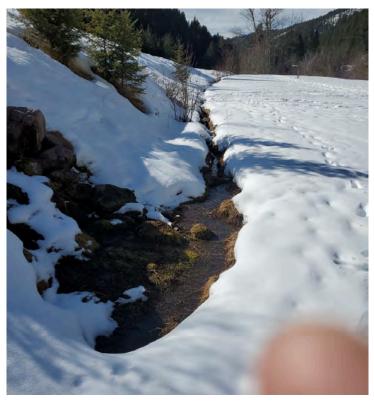




for Missoula County Brownfields Revitalizati on 02/21/2024

Site Photos







for Missoula County Brownfields Revitalizati on 02/21/2024







for Missoula County Brownfields Revitalizati on 02/21/2024







for Missoula County Brownfields Revitalizati on 02/21/2024







for Missoula County Brownfields Revitalizati on 02/21/2024

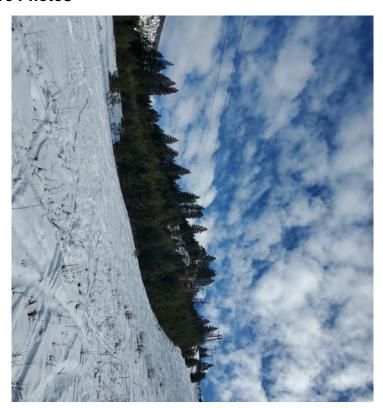


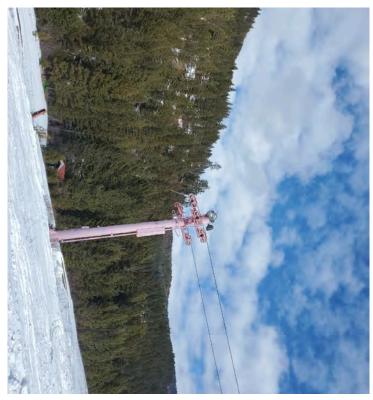




for Missoula County Brownfields Revitalizati on 02/21/2024

Structure Photos







for Missoula County Brownfields Revitalizati on 02/21/2024

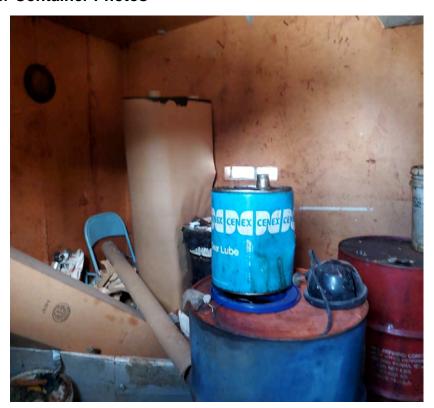
Structure Photos





for Missoula County Brownfields Revitalizati on 02/21/2024

Other Container Photos







for Missoula County Brownfields Revitalizati on 02/21/2024

Pit, Pond or Lagoon Photos



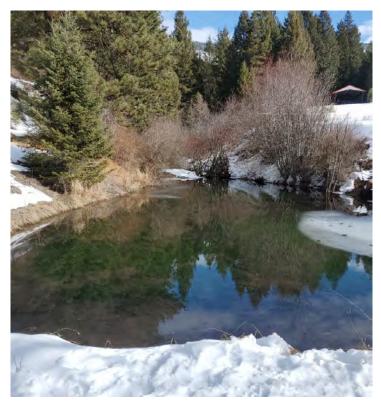




for Missoula County Brownfields Revitalizati on 02/21/2024

Pit, Pond or Lagoon Photos







for Missoula County Brownfields Revitalizati on 02/21/2024

Pit, Pond or Lagoon Photos





APPENDIX G

Photograph Log



for Missoula County Brownfields Revitalizati on 02/21/2024

Location: 5250 Marshall Canyon Road Field Activity: Phase I ESA

ID#	Time	Direction of View	Location of Photo	Lat\Long	Subject of Photo
1	13:10	North	SW End	46.9186\-113.9087	Photo 1: Lower Base Area
2	13:15	Southwest	E Center	46.9192\-113.9067	Photo 2: Lower Base Area 2
3	13:16	West	E Center Base Area	46.9191\-113.9066	Photo 3: Base Area
4	13:18	Northwest	E Center Base area	46.9191\-113.9066	Photo 4: Base Area 2
5	13:24	Southwest	NE Center Upper Base Area	46.9200\-113.9054	Photo 5: Upper Base Area
6	13:25	West	NE Center Upper Base Area	46.9200\-113.9054	Photo 6: Upper Base Area 2
7	13:26	North	NE Center Upper Base Area	46.9200\-113.9055	Photo 7: Upper Base Area 3
8	13:26	East	NE Center Upper Base Area	46.9200\-113.9055	Photo 8: Upper Base Area 4
9	13:27	Southeast	NE Center Upper Base Area	46.9200\-113.9055	Photo 9: Upper Base Area 5
10	13:30	Northwest	N Base Area	46.9203\-113.9060	Photo 10: N Base Area; Chairlift
11	13:32	Northwest	N Center Property	46.9204\-113.9066	Photo 11: Pond and Storage Shed
12	13:39	North	N Center Property	46.9206\-113.9067	Photo 12: NW Storage Shacks
13	13:40	Southwest	N Center Property	46.9205\-113.9067	Photo 13: Former Metal Towers Stored at N End Parking Lot
14	13:41	East	N Center Property	46.9205\-113.9067	Photo 14: Pond and Former Lift Pump
15	13:45	Northeast	Center Base Area	46.9195\-113.9069	Photo 15: Terrain and Slopes to East of Lodge
16	13:46	East	Center Base Area	46.9195\-113.9069	Photo 16: Terrain and Slopes to East of Lodge 2
17	13:46	Southeast	Center Base Area	46.9196\-113.9069	Photo 17: Terrain and Slopes to East of Lodge 3
18	13:48	Southwest	Center Base Area	46.9195\-113.9073	Photo 18: Parking Lot
19	13:49	Northeast	Center Base Area	46.9196\-113.9072	Photo 19: Collapsed Deck
20	13:49	Southeast	Center Base Area	46.9197\-113.9071	Photo 20: Collapsed Deck 2



for Missoula County Brownfields Revitalizati on 02/21/2024



Photo 1 Photo taken on 02/21/2024

Location: SW End. View facing North

Description: Photo 1: Lower Base Area



Photo 2 Photo taken on 02/21/2024

Location:

E Center . View facing Southwest

Description:

Photo 2: Lower Base Area 2





for Missoula County Brownfields Revitalizati on 02/21/2024



Photo 3 Photo taken on 02/21/2024

Location: E Center Base Area. View facing

Description: Photo 3: Base Area



Photo 4 Photo taken on 02/21/2024

Location: E Center Base Area. View facing Northwest

Description: Photo 4: Base Area 2



for Missoula County Brownfields Revitalizati on 02/21/2024



Photo 5 Photo taken on 02/21/2024

Location: NE Center Upper Base Area. View facing Southwest

Description: Photo 5: Upper Base Area



Photo 6 Photo taken on 02/21/2024

Location: NE Center Upper Base Area. View facing West

Description: Photo 6: Upper Base Area 2



for Missoula County Brownfields Revitalizati on 02/21/2024



Photo 7 Photo taken on 02/21/2024

Location: NE Center Upper Base Area. View facing North

Description: Photo 7: Upper Base Area 3



Photo 8 Photo taken on 02/21/2024

Location: NE Center Upper Base Area. View facing East

Description: Photo 8: Upper Base Area 4



350.0506.000

PHOTOGRAPH LOG

NewFields

for Missoula County Brownfields Revitalizati on 02/21/2024

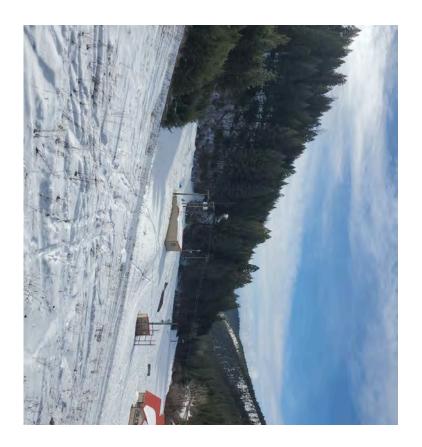


Photo 9 Photo taken on 02/21/2024

Location: NE Center Upper Base Area. View facing Southeast

Description: Photo 9: Upper Base Area 5

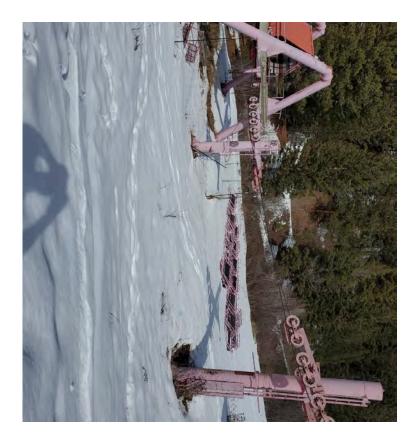


Photo 10 Photo taken on 02/21/2024

Location: N Base Area. View facing Northwest

Description: Photo 10: N Base Area; Chairlift



for Missoula County Brownfields Revitalizati on 02/21/2024



Photo 11 Photo taken on 02/21/2024

Location: N Center Property. View facing Northwest

Description: Photo 11: Pond and Storage Shed



Photo 12 Photo taken on 02/21/2024

Location: N Center Property. View facing North

Description: Photo 12: NW Storage Shacks





for Missoula County Brownfields Revitalizati on 02/21/2024



Photo 13 Photo taken on 02/21/2024

Location: N Center Property. View facing Southwest

Description: Photo 13: Former Metal Towers Stored at N End Parking Lot



Photo 14 Photo taken on 02/21/2024

Location: N Center Property. View facing East

Description: Photo 14: Pond and Former Lift Pump



for Missoula County Brownfields Revitalizati on 02/21/2024



Photo 15 Photo taken on 02/21/2024

Location: Center Base Area. View facing Northeast

Description: Photo 15: Terrain and Slopes to East of Lodge



Photo 16 Photo taken on 02/21/2024

Location: Center Base Area. View facing East

Description: Photo 16: Terrain and Slopes to East of Lodge 2



for Missoula County Brownfields Revitalizati on 02/21/2024



Photo 17 Photo taken on 02/21/2024

Location: Center Base Area. View facing Southeast

Description: Photo 17: Terrain and Slopes to East of Lodge 3



Photo 18 Photo taken on 02/21/2024

Location: Center Base Area. View facing Southwest

Description: Photo 18: Parking Lot



350.0506.000 Welzenbach, Wilhelm

for Missoula County Brownfields Revitalizati on 02/21/2024



Photo 19 Photo taken on 02/21/2024

Location: Center Base Area. View facing Northeast

Description: Photo 19: Collapsed Deck



Photo 20 Photo taken on 02/21/2024

Location: Center Base Area. View facing Southeast

Description: Photo 20: Collapsed Deck 2



APPENDIX H

Property Owner Questionnaire

	• •
Subject Property:	
Project:	Phase I Environmental Site Assessment
All Appropriate Inquiries (AAI)	restionnaire has been prepared in accordance with the U.S. EPA Final Rule and ASTM International (ASTM) Standard Environmental Site Assessments, adopted by the ASTM as part e Assessment standard process.
an environmental site assessment evaluate the property for evidence environment. As the property of your input in the assessment is re- record or is not visually apparent appropriate response. If an empl hazardous waste or hazardous ma- questionnaire by circling the app	ields Companies, LLC (NewFields) has been retained to conduct to of the subject property. The purpose of the assessment is to be of hazardous waste or hazardous material releases to the wner, owner's representative, or current or past lessee/tenant, equested to collect information that is not found in the public to the Please answer the following questions by circling the loyee has better knowledge of property history related to aterial releases, please have him or her complete a copy of the propriate answer to each of the following questions. The be signed by the preparer and returned to NewFields. You may be to:
NewFields Companies, I 700 SW Higgins Avenue Missoula, Montana 5980 Fax: (406) 549-8277	e Suite 15
QUESTIONNAIRE PART I: 1	ESA BACKGROUND INFORMATION
A. Please provide current an	nd historical addresses for the subject property:
Addresses unknown – no hor	mes or buildings on site currently or in the past.
-	
-	
Conservation Fund purchase	d the property in the Spring of 2023 from Jacobs, LLC. Formerly acquired the section. Otherwise, history is unknown.

QUESTIONNAIRE PART II: ENVIRONMENTAL QUESTIONS

A. To your knowledge, is the subject property and/or adjoining property used or have/has been used in the past in the following manner:
1. Any industrial use
2. Gasoline station
3. Motor or equipment repair facility
4. Commercial printing facility
5. Dry cleaners
6. Photo developing laboratory
7. Junkyard or landfill8. A waste treatment, storage, disposal, processing, or recycling facility (if
applicable, identify which)?
approducts, racinity (rinein).
Yes (Circle all that apply) No Unknown
Comments:
Only industrial or commercial use was as timberland; Cutting has been conducted, with
timber removed via former timber roads.
Phase I conducted by the Conservation Fund prior to property transfer to the Fund as part of
due diligence.
 B. Are there currently or have there been in the past any of the following materials stored at, used at, or brought onto the subject property or facility and/or adjoining property or facility (if applicable, identify which): Automotive or industrial batteries Pesticides Paint Other chemicals Fill dirt originated from a contaminated site or of an unknown origin (if applicable, identify which)?
Yes (Circle all that apply) No Unknown Comments:
None
Notic

the pro	operty and/or adjoining		t any of the following features located on
1.			
2. 3.			
4.	•		
5.		ered storage tanks	(above or underground) (if applicable,
Yes (C	Circle all that apply)	o No	Unknown
Comments	3:		
None			
-			
-			
follow on the 1. 2. 3.	ing objects or evidence property and/or adjoining Vent pipes Fill pipes Access ways indicating	located on the pro- ng property:	
4.	Leaks, spill, or stainin which)	g by substances of	ther than water (if applicable, identify
5.			drains, walls, ceilings, or exposed
	Circle all that apply)	o No	Unknown
Comments) .		
None			
-			

Е.	system 1.	on, do you have any knowl Contaminants have bee applicable to the water	en identified in the well or syst	em that exceed guidelines
	Yes (C	Circle all that apply)	o No	Unknown
Co	mments	:		
No	ne knov	vn. Water rights unknow	n. No well permits found.	
F.	proper 1. 2. 3.	ty, do you have any know Past or current existence Past or current existence Any permits, orders, or from any environmental Any environmental ass hazardous substances of Any past, threatened, o	any facility located on the proved weldge of or have you been into the of hazardous substances or per of environmental violations of waste discharge requirements all regulatory agency in relation essment indicating the present or petroleum products or reconstruction of threatened release of any hazardous discourse of the products of threatened release of any hazardous discourse of the products of threatened release of any hazardous discourse of the products of threatened release of any hazardous discourse of the products	formed of: petroleum products. s issued by or requested to the properties. ce or contamination of the product of the proceedings ardous substance or
	Yes (Comments	Circle all that apply)	o No	Unknown
No		•		
110	nc.			

	owing materials or system (if applications) sanitary was ances or petroleum aterials	aste or storm water)	a
Yes (Circle all that apply)	o No	Unknown	
Comments:			
None currently known of; no indi	cation of burning	on the property.	<u> </u>
H. Are there or have there been a records indicating the presence 1. Transformer 2. Capacitor 3. Any hydraulic equipments	e of polychlorina	ing equipment for which there are any ated biphenyls (PCBs)?	
Yes (Circle all that apply)	o No	Unknown	
Comments:			
None.			

		or geotechnical assessments of the property ease provide the nature and dates of these
Yes (Circle all that apply)	o No	Unknown
Comments: Phase I Environmental Assessmo	ant conducted	
Filase I Elivirolillientai Assessino	ent conducted.	
	nup and abatemen	iens against the property, governmental t orders, or lawsuits that are filed or v?
Yes	o No	Unknown
Comments:		
None.		

- **K.** Are you aware of any activity or land use limitations, such as engineering controls, land use restrictions or institutional controls, that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26)? Please provide the nature and dates of these assessments, if known.
 - 1. Engineering Controls (e.g., engineered cap, subsurface barrier wall, etc.)
 - 2. Land Use Restrictions (e.g., industrial only, no groundwater removal, etc.)
 - 3. Institutional Controls (e.g., deed restrictions, financial assurances, etc.)

	, -	· ·
Yes (Circle all that apply)	o No	Unknown
Comments:		
	access is question	able due to lack of easement across Forest
Service property.		
This questionnaire was completed b	y:	
Name: Gates Watson		
Title: Vice-President, Northwest Direct	etor	
Representing: The Conservation Fund		
Address: 125 Banks Street, Suite 612		
City, State, Zip: Missoula, Montana, 5	59802	
Phone Number: 406-541-8555		
Signature: Communicated approval of		
Date 1/30/2024		`

Subject Property:	
Project:	Phase I Environmental Site Assessment
All Appropriate Inquir E1527-13, Standard Pr	llowing questionnaire has been prepared in accordance with the U.S. EPA ies (AAI) Final Rule and ASTM International (ASTM) Standard ractice for Environmental Site Assessments, adopted by the ASTM as part mental Site Assessment standard process.
an environmental site a evaluate the property f environment. As the p your input in the asses record or is not visuall appropriate response. hazardous waste or haz questionnaire by circli	se: NewFields Companies, LLC (NewFields) has been retained to conduct assessment of the subject property. The purpose of the assessment is to for evidence of hazardous waste or hazardous material releases to the property owner, owner's representative, or current or past lessee/tenant, sment is requested to collect information that is not found in the public y apparent. Please answer the following questions by circling the If an employee has better knowledge of property history related to zardous material releases, please have him or her complete a copy of the ng the appropriate answer to each of the following questions. The re should be signed by the preparer and returned to NewFields. You may estionnaire to:
NewFields Co 700 SW Higgi Missoula, Moi Fax: (406) 549	ns Avenue Suite 108 ntana 59803
QUESTIONNAIRE I	PART I: ESA BACKGROUND INFORMATION
A. Please provide	current and historical addresses for the subject property:
5250 Marshal	l Canyon Road. Missoula, MT. 59802
•	a brief chronology of the subject property ownership and history:
	blished histories you can find on the chronology of the ski

QUESTIONNAIRE PART II: ENVIRONMENTAL QUESTIONS

A.	been used in the past in the tall. 1. Any industrial use 2. Gasoline station 3. Motor or equipment 4. Commercial printing 5. Dry cleaners 6. Photo developing la 7. Junkyard or landfill	repair facility g facility boratory storage, disposal, pr	l/or adjoining property used or have/has rocessing, or recycling facility (if	
	Yes (Circle all that apply)	☐ No	✓ Unknown	
Co	mments:			
В.	used at, or brought onto the facility (if applicable, identified 1. Automotive or industry 2. Pesticides 3. Paint 4. Other chemicals	subject property or fy which): strial batteries from a contaminated	ast any of the following materials stored a facility and/or adjoining property or	ıt,
	Yes (Circle all that apply)	☐ No	✓ Unknown	
Co:	mments:			

C. Are there currently or have there been in the past any of the following features located on

	1. 2. 3. 4.	pperty and/or adjoining Pits Lagoons or ponds Clarifiers or sumps Stained soil Registered or unreging identify which)?		ks (above or under	rground) (if applical	ole,
	Yes (C	Circle all that apply)	☐ No		Z Unknown	
Coı	mments	:				
D.	follows on the 1. 2. 3. 4.	ar knowledge, are ther ing objects or evidenc property and/or adjoin Vent pipes Fill pipes Access ways indicat Leaks, spill, or stain which) Foul odors associate ground (if applicable	ing a fill pipe proing by substances ad with any flooring, identify which)	truding from the good other than water (round if applicable, identi- eilings, or exposed	
	Yes (C	Circle all that apply)	☐ No		✓ Unknown	
Coı	mments	:				

- E. If the property and/or adjoining property is served by a private well or non-public water system, do you have any knowledge that:1. Contaminants have been identified in the well or system that exceed guidelines
- applicable to the water system 2. The well has been designated by any government environmental/health agency as being contaminated? **Unknown** Yes (Circle all that apply) No Comments: F. With respect to the property or any facility located on the property and/or adjoining property, do you have any knowledge of or have you been informed of: 1. Past or current existence of hazardous substances or petroleum products. 2. Past or current existence of environmental violations 3. Any permits, orders, or waste discharge requirements issued by or requested from any environmental regulatory agency in relation to the properties. 4. Any environmental assessment indicating the presence or contamination of hazardous substances or petroleum products or recommended further assessment 5. Any past, threatened, or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum products? ✓ Unknown Yes (Circle all that apply) No Comments:

- **G.** Has the property and/or adjoining property discharged, dumped above grade, buried and/or burned any of the following materials on or adjacent to the property and/or into a storm water or sanitary sewer system (if applicable, identity which):
 - 1. Wastewater (not including sanitary waste or storm water)
 - 2. Any hazardous substances or petroleum products
 - 3. Unidentified waste materials
 - 4. Tires
 - 5. Automotive or industrial batteries
 - 6. Any other waste materials?

6. Any other waste mate	riais?	
Yes (Circle all that apply)	☐ No	Unknown
Comments:		
 H. Are there or have there been a records indicating the presence 1. Transformer 2. Capacitor 3. Any hydraulic equipm 	e of polychlorinated biphenyls	
Yes (Circle all that apply)	☐ No	Unknown
Comments:		

- I. To your knowledge, have any environmental or geotechnical assessments of the property and/or adjoining property been conducted? Please provide the nature and dates of these assessments, if known.
 - 1. Environmental
 - 2. Geotechnical

3. Oth	er?		
	all that apply)	☐ No	Unknown
Comments:			
J. Are you awa	are of any enviro	nmantal alaanun lian	a against the mananty, agreemental
orders, cons	ent decrees, clea		s against the property, governmental rders, or lawsuits that are filed or
orders, cons	ent decrees, clea	nup and abatement or	
orders, conserved und	ent decrees, clea	nup and abatement or, tribal or local law?	rders, or lawsuits that are filed or
orders, conserved und	ent decrees, clea	nup and abatement or, tribal or local law?	rders, or lawsuits that are filed or
orders, conserved und	ent decrees, clea	nup and abatement or, tribal or local law?	rders, or lawsuits that are filed or
orders, conserved und	ent decrees, clea	nup and abatement or, tribal or local law?	rders, or lawsuits that are filed or
orders, conserved und	ent decrees, clea	nup and abatement or, tribal or local law?	rders, or lawsuits that are filed or
orders, conserved und	ent decrees, clea	nup and abatement or, tribal or local law?	rders, or lawsuits that are filed or
orders, conserved und	ent decrees, clea	nup and abatement or, tribal or local law?	rders, or lawsuits that are filed or
orders, conserved und	ent decrees, clea	nup and abatement or, tribal or local law?	rders, or lawsuits that are filed or
orders, conserved und	ent decrees, clea	nup and abatement or, tribal or local law?	rders, or lawsuits that are filed or

- **K.** Are you aware of any activity or land use limitations, such as engineering controls, land use restrictions or institutional controls, that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26)? Please provide the nature and dates of these assessments, if known.
 - 1. Engineering Controls (e.g., engineered cap, subsurface barrier wall, etc.)
 - 2. Land Use Restrictions (e.g., industrial only, no groundwater removal, etc.)
 - 3. Institutional Controls (e.g., deed restrictions, financial assurances, etc.)

Yes (Circle all that apply)	_	Unknown
Comments:		
_		
-		
This questionnaire was completed b	y:	
Name Rick Wishcamper		
Title Managing Member		
Representing Izzy Dog LLC		
Address 605 strawberry Ridge W	/ay	
City, State, Zip Missoula, MT. 6980	2	
Phone Number 406-546-3563		
Signature		
Date 3/7/2024		



APPENDIX I

Environmental Professional Qualifications (Resume)



NewFields

WILHELM WELZENBACH

ASSOCIATE SOIL SCIENTIST

EXPERIENCE

Mr. Welzenbach has more than 20 years of experience in brownfields assessments, remediation and closure of sites impacted by petroleum and hazardous substances. In addition, he has worked domestically and internationally to provide soil science expertise for environmental impact statements (EIS) and reclamation planning. His experience includes more than 17 years working with recipients of grants from the Brownfields Program of the US Environmental Protection Agency (EPA), and obtaining matching funds to bolster their assessment and remediation efforts. Mr. Welzenbach has technical expertise in the following areas:

- Brownfields site assessment
- Remediation design, installation, and oversight
- Vapor intrusion evaluations and mitigation
- Environmental risk evaluation and development of Site-Specific Cleanup Levels
- Soil reclamation and agronomic surveying
- Mine waste surveying and sampling

CONTACT



(406) 529-2577



www.newfields.com



wwelzenbach@newfields.com

EDUCATION

University of Washington 2002 M.S. Soil Science

Carleton College 1998 B.A. Biochemistry

CERTIFICATIONS

Certified Professional Soil Scientist (CPSS) # 329175

SKILLS

Project Management
Brownsfield Site Assessment
Remediation
Soil Reclamation
Argronomic Surveying
Mine Waste Sampling & Surveying

BROWNFIELDS SITE ASSESSMENT AND REMEDIATION

The projects listed below show examples of Mr. Welzenbach's experience moving sites toward regulatory closure and redevelopment through the use of EPA Brownfields funds and additional funding from the Montana Petroleum Tank Release Compensation Board (Petrofund) or Montana Department of Natural Resources and Conservation (DNRC).

MISSOULA SAWMILL SITE FOR MILLSITE REVITALIZATION PROJECT LLC, MISSOULA, MONTANA.

Oversaw Voluntary Cleanup Plan (VCP) remediation activities, including multiple large contaminated soil excavations. Specific responsibilities included directing exploratory remedial excavations up to 39-feet deep, installing and sampling water and soil vapor wells, installing and operating a Soil Vapor Extraction system, and collecting soil samples for excavation confirmation and waste characterization. Conducted test pitting to characterize wood waste at the site. Performed methane sampling and field monitoring in areas of buried wood. Project is now redeveloped with a 13-acre riverfront park, baseball stadium parking, boat launch, as well as multi-story residential structures with ground-floor commercial development and subsurface parking.

FORMER MALTA AIRPORT, PHILLIPS COUNTY, MONTANA.

Primary author of Voluntary Cleanup Plan (VCP) for the former aerial pesticide spraying facility on the Montana State Superfund list. Negotiated with DEQ regarding revisions to the VCP in support of site use and redevelopment. Assembled detailed property history and setting information, and presented results from 26 years of environmental investigation in a comprehensive document meeting the requirements of Montana's Voluntary Cleanup Redevelopment Act (VCRA). The site completed the voluntary cleanup process and received a No Further Action letter from the Montana DEQ. Project funding involved both DNRC and EPA Brownfields funds.

BEAR PAW DEVELOPMENT- REMEDIATION DESIGN AND OVERSIGHT, NORTHERN TIRE, HAVRE, MONTANA.

Interfaced with Montana Department of Environmental Quality (DEQ) to verify separate off-site source of contamination not the responsibility of the site owner. Designed and performed oversight for excavation of petroleum contaminated soil in close proximity to utilities, buildings, and streets. Performed design and regulatory coordination in the field to allow installation of piping for groundwater oxidation and vapor mitigation during backfill, preventing post-excavation disturbance to the site and tenants. Coordinated and tracked funding sources to minimize owner cost.

BEAR PAW DEVELOPMENT- VAPOR INTRUSION ASSESSMENT, SHORT STOP GASOLINE STATION, HAVRE, MONTANA.

Coordinated with EPA, Montana DEQ, and Petrofund to define the scope of work and budget for evaluation of potential gasoline vapor intrusion into the site building and adjacent apartments. Authored sampling plan, trained field staff in soil gas and indoor air sampling, reviewed field and laboratory results, and performed reporting – including coordination with DEQ risk assessor. Project determined that the petroleum release at the Short Stop was not causing vapor intrusion. Site was subsequently purchased by a developer. Project involved funding from EPA Brownfields as well as the Montana Petrofund.

BUILDING MATERIALS ABATEMENT, RIVERFRONT TRIANGLE PARTNERS, MISSOULA, MONTANA.

Mr. Welzenbach served as the project manager and owner's representative during testing and abatement of asbestos and other hazardous building materials in this riverfront downtown redevelopment site. Abatement involved five buildings, approximately 135,000 square feet of asbestos-containing materials, lead walls, and removal of heating and cooling fluids. The project was completed on-budget in a compressed schedule, in compliance with EPA Brownfields Revolving Loan Fund (RLF) requirements.

CONFEDERATED SALISH AND KOOTENAI TRIBES (CSKT) - ELMO CASH STORE AND JOSEPH ALLOTMENT PROPERTIES, ELMO, MONTANA.

Served as author for the EPA Brownfields Cleanup Plan. Wrote successful DNRC grant that funded cleanup planning, and wrote DNRC grant application that funded implementation of expanded cleanup at the site. Served as project manager for the cleanup, including use of an Indian-Owned excavation firm and soil treatment area on Tribal land.

GRANT WRITING FOR BROWNFIELDS REMEDIATION

Mr. Welzenbach has served as primary author for over \$4.4 million in grant applications, including the following successful grant applications for brownfields clients:

- Eight (9) annual EPA Brownfields grants. Recipients include tribal entities, cities, and economic development non-profits.
- Ten (11) Planning Grants from the DNRC. Recipients included the Chippewa Cree Tribe, CSKT, and the Cities of Glasgow, Lewistown, Harlem, Malta, and Missoula.
- Four successful DNRC Implementation Grants including \$300,000 for the City of Missoula, \$126,998 and \$302,000 for the CSKT, and \$249,480 for the City of Malta. Role has included providing legislative testimony in support each application.

Mr. Welzenbach has also assisted with additional applications for EPA Brownfields grants, including demographic and economic research and obtaining community support letters.

OTHER REMEDIATION AND SITE ASSESSMENT

SOIL CHARACTERIZATION, FORMER SMURFIT STONE / FRENCHTOWN MILL, FRENCHTOWN, MONTANA.

Designed soil sampling effort to characterize soil contaminants, identify uncontaminated areas, and support risk assessment under an Administrative Order on Consent (AOC) for Remedial Investigation of a former pulp mill property proposed for Federal Superfund listing. Directed five field personnel on multi-week sampling effort conducted on-time and in-budget. Created field forms to allow rapid entry of findings from thousands of observation points. Reported on findings to identify isolated areas responsible for excess human health risk.

WATER LINE INSTALLATION, MITCHELL DEVELOPMENT & INVESTMENTS, GREAT FALLS, MONTANA.

Responsibilities included oversight for installation of specialized waterline materials, abandonment of monitoring wells, drilling of soil boreholes, and subsurface soil sampling in area of petroleum impacts. Reviewed historical data, performed data analysis, and reporting. Site has moved from abandoned former industrial facility occasionally occupied by transients to riverfront courthouse and Federal Building with pedestrian trail connected into Great Falls trails system. The site obtained closure in 2017.

FREE PRODUCT REMOVAL DESIGN, FORMER MCCONE COUNTY HOSPITAL, CIRCLE, MONTANA.

Performed field oversight for drilling with a Laser Induced Fluorescense (LIF) downhole probe to evaluate free-phase petroleum extent in real time. Directed petroleum baildown tests, identified remediation alternatives and designed remediation system for the site.

CHLORINATED SOLVENT IMPACT ASSESSMENT, PERCSERV, BERKELEY, CALIFORNIA.

Project Manager and field oversight for assessment of a perchloroethene (PCE) dense non-aqueous phase liquid (DNAPL) plume. Performed field oversight for drilling with a Membrane Interface Probe (MIP) and multiple associated detectors to obtain real-time chemical and geophysical data from the subsurface.

INDUSTRIAL SITE CLOSURE, PACIFIC ROLLING DOOR, SAN LORENZO, CALIFORNIA.

Managed final site closure including remediation, confirmation sampling, risk analysis, and legal documentation for an industrial painting facility with lead-, zinc-, and mercury-impacted soil as well as lead- and solvent-impacted groundwater.

STREAMSIDE SOIL MANAGEMENT - GUADALUPE RIVER PROJECT - 3A/PHASE 2, SAN JOSE, CALIFORNIA.

Implemented Sampling and Analysis Plan for dewatering, including in-stream monitoring. Pre-characterized soil and provided technical assistance for soil management prior to restoration at the NPDES-permitted Army Corps of Engineers flood control project, including management of hazardous levels of metals directly adjacent to sensitive aquatic habitat for threatened salmonid fishes.

UNDERGROUND STORAGE TANK REMOVAL AND CLEANUP.

As a Licensed Tank Remover, Mr. Welzenbach has performed field oversight and sampling associated with tank removal in many communities of Montana and California starting in 2002. Mr. Welzenbach is intimately familiar with release reporting and follow-up documentation required to maximize eligibility for state insurance coverage and future cleanup grants, should a tank removal encounter contamination.

VAPOR INTRUSION

FORMER RONAN LANDFILL, RONAN, MONTANA.

Mr. Welzenbach planned, directed, and reported on testing of groundwater, soil, soil vapor, and crawlspace air at a former landfill with residence above. Contaminants included chlorinated solvents and refrigerants. The multiple lines of evidence approach was used to verify the residence in the vapor plume area was not subject hazardous vapor conditions.

BIG WEST OIL REFINERY, UTC, KEVIN, MONTANA.

Provided technical expertise for sampling plan, performed field sampling of soil gas at an abandoned refinery on the Montana Comprehensive Environmental Cleanup and Responsibility Act (CECRA) site list.

PHASE II SITE ASSESSMENT, REMEDIAL EXCAVATION, AND INDOOR AIR VAPOR ABATEMENT, SYLVIA RAPLEY PROPERTY, GREAT FALLS, MONTANA.

Performed field investigation including sampling groundwater, soil, soil vapor, and indoor air. Performed data analysis and reporting. Designed and directed remedial excavation including rerouting of utilities. Assisted with design and installation of vapor mitigation systems beneath the site residence and in the excavation area.

WEST CONTRA COSTA UNIFIED SCHOOL DISTRICT, RICHMOND, CALIFORNIA.

Performed field oversight for soil vapor assessment using GeoProbe drilling equipment and on-site mobile lab. Adjusted borehole locations based on data from the field laboratory. Coordinated with school district personnel and the California Department of Toxic Substances Control (DTSC) regarding field methods, drilling locations, and safety of students.

SOIL SALVAGE DESIGN AND OVERSIGHT, WASTE ROCK DISPOSAL FACILITY EXPANSION, REGAL MINE, MONTANA.

Performed site reconnaissance and test pit investigation in the mine expansion area, determined approach to salvage that would meet volume targets while avoiding steep rocky areas through salvage/segregation of additional subsoil volume. Mr. Welzenbach assisted in development and use of a mobile app to assist equipment operators in meeting targeted salvage depths across a complex surface. The overall salvage effort was completed on-time, underbudget, and salvaged sufficient material to support sitewide reclamation.

SALT WELLS EIS - GEOTHERMAL ENERGY DEVELOPMENT AND TRANSMISSION LINE PROJECT, FALLON, NEVADA.

Performed soil resources investigation to support the Environmental Impact Statement (EIS) for an area of two proposed geothermal well fields, two power plants, and an associated major electrical transmission line. Integrated information regarding geology, topography, and water resources with soil database material to produce a summary of soils in an area 17 miles long spanning agricultural areas, wetlands, desert flatlands, and salt-affected upland areas.

BIOFUELS ENERGY DEVELOPMENT PROJECT AND USDA GRANT APPLICATIONS, LUNA COUNTY, NEW MEXICO.

Conducted soil survey in a proposed area of alternative energy development. Coordinated with vegetation and wetlands researchers to identify stream-related parent materials and ecologically sensitive areas. Reviewed information regarding unstable soils of the region deposited by rapid runoff onto desert playas. Provided recommendations regarding suitability of the site for the proposed development.

BLACKFOOT BRIDGE PROJECT, CARIBOU COUNTY, IDAHO.

Performed baseline sampling of soils and vegetation prior to development of phosphate mine. Lead author of the Environmental Monitoring Plan for soils and vegetation, which included both baseline and reclamation phases. Supporting editor for Cover System Monitoring Plan designed to evaluate the effectiveness of capping materials in excluding moisture from mine waste and other sensitive features.

CONFIDENTIAL PROPOSED PHOSPHATE MINE, CARIBOU COUNTY, IDAHO

Designed and conducted soil survey in proposed phosphate mining area. Survey results were targeted toward identifying soil to be used in reclamation and revegetation of the site post-mining, identifying soils that are particularly susceptible to erosion, and identifying fine-grained soil that would be useful as a component of a water-impermeable capping system. Information regarding geologic parent material, topography, and vegetation were used to determine appropriate areas of investigation. The survey was the first soils investigation of subject site and vicinity.

BUTTE HIGHLANDS GOLD AND SILVER MINE, BUTTE, MONTANA.

Conducted baseline soil survey to support proposed water infiltration areas, and reclamation of proposed mine roads and facility footprints. Performed drilling oversight for well installed to depth of over 1100 feet, performed surface water gaging and sampling, coordinated transfer of spatial data and data correction between mine developer and GIS staff.

SOIL RESOURCES ASSESSMENT, GOLDEN RIDGE RESOURCES LIMITED (GRRL), ACCRA, GHANA.

Conducted validation of soil resource data to support EIS, prepared soils data validation report, including QC calculations and laboratory QA verification. Reviewed soil resources report, which was based on fieldwork performed by Ghanaian subcontractor.

KENNEDY CREEK ABANDONED MINE COMPLEX, NINEMILE CREEK DRAINAGE, HUSON, MONTANA.

Assembled sampling plan subsequently approved by Trout Unlimited and the USDA Forest Service. Sampled mine waste and performed topographic surveying of mine waste and surrounding undisturbed land at abandoned historical lead-zinc mines. Estimated mine waste volumes. Performed stream gaging and sampling upstream and downstream of three abandoned mines and in a tributary to Kennedy Creek. Sampled water discharging from an abandoned adit. Obtained longitudinal stream profiles for use in restoration design. Lead author for Preliminary Assessment and Site Investigation (PA/SI) report. Performed risk assessment for the subsequent Engineering Evaluation and Cost Analysis (EE/CA).

LEVIATHAN MINE SUPERFUND SITE, BP/ATLANTIC RICHFIELD, SIERRA-NEVADA MOUNTAINS, CALIFORNIA.

Performed floodplain soil mapping to identify probably locations of mine waste deposition downstream from an abandoned sulfur mine. Performed field reconnaissance in mine waste area comprising the majority of the 250-acre site to evaluate the usefulness of satellite reflectance images for estimating soil texture and informing revegetation efforts.

ENVIRONMENTAL ASSESSMENT AND PLANNING FOR THE MINING INDUSTRY

WATER RESOURCES BASELINE INVESTIGATION - PROPOSED URANIUM MINE, THREE RIVERS, TEXAS.

Directed the installation of several exploratory wells in and adjacent to the ore zone of a proposed in situ uranium leach mine. Work included use of downhole geophysical equipment to identify ore and water-bearing zones. Reviewed geologic information with client's exploration geologist and project management. Prepared well construction details.

SOUTH RASMUSSEN MINE, SODA SPRINGS, IDAHO.

Assisted with unsaturated zone monitoring installation. Performed data validation and data management. Performed field and reporting tasks including groundwater well installation oversight, groundwater sampling at remote wells in winter (deep snow) conditions, development and implementation of a Standard Operating Procedure for safe and effective use of pneumatic pumps in deep wells, surface water gaging and sampling, installation of Zero Valent Iron (ZVI) pilot water treatment system, surveying of snow depths in a waste rock dump area, and calculation of snow water equivalents.

GROUNDWATER RESOURCE ASSESSMENT – AKYEM PROJECT, GRRL, ACCRA, GHANA.

Performed field oversight for well installation and development, generated lithologic logs, and reviewed well construction details. Prepared well installation report. Inspected Quality Control results from the microbiology laboratory.

SUSTAINABLE CLOSURE AND RECLAMATION PLAN - AKYEM PROJECT, GRRL, ACCRA, GHANA.

Served as primary coordinating author working with multiple technical specialists to produce a closure plan that exceeds Government of Ghana standards and meets all corporate and international commitments. The plan involves not only decommissioning and reclamation, but also provision for lasting value to the community in the form of buildings, agricultural land, and usable infrastructure.

GROUND WATER AND TAILINGS

CONFEDERATED SALISH & KOOTENAI TRIBES (CSKT), REGULATORY BODY: U.S. ENVIRONMENTAL PROTECTION AGENCY (EPA).

Characterized uncontrolled tailings, as well as conditions in adjacent groundwater, surface water, and stream sediment from legacy copper mining site that is used recreationally, and had tailings eroding into Revais Creek. Assessment tasks included surveying the tailings surface and surrounding land; advancing shallow boreholes to determine the thickness of tailings and metals content in tailings and underlying soil; calculating of tailings volume; installing shallow wells beneath the tailings; evaluating metals content in surface water, sediment, and groundwater; conceptual cleanup planning and cost estimation for remedial actions.