

Phase I Environmental Site Assessment

Proposed McDonald's Restaurant #50785

Northeast of South Chambers Road and East Hess Road

Parker, Douglas County, Colorado

March 19, 2021

Terracon Project No. 25217081



Prepared for:

McDonalds USA LLC
Chicago, Illinois

Prepared by:

Terracon Consultants, Inc.
Wheat Ridge, Colorado

terracon.com

Terracon

Environmental



Facilities



Geotechnical



Materials



March 19, 2021

McDonalds USA LLC
110 N Carpenter St
Chicago, IL 60607

Attn: Ms. Frances Nuno
P: (303) 947-4103
E: Frances.Nuno@us.mcd.com

Re: Phase I Environmental Site Assessment
Proposed McDonald's Restaurant #50785 - ESA
Northeast of South Chambers Road and East Hess Road
Parker, Douglas County, Colorado
Terracon Project No. 25217081

Dear Ms. Nuno:

Terracon Consultants, Inc. (Terracon) is pleased to submit the enclosed Phase I Environmental Site Assessment (ESA) report for the above-referenced site. This assessment was performed in accordance with Terracon Proposal No. P25217081 dated February 19, 2021, and McDonald's USA PO Number 2369561.

We appreciate the opportunity to be of service to you on this project. In addition to Phase I services, our professionals provide geotechnical, environmental, construction materials, and facilities services on a wide variety of projects locally, regionally and nationally. For more detailed information on all of Terracon's services please visit our website at www.terracon.com. If there are any questions regarding this report or if we may be of further assistance, please do not hesitate to contact us.

Sincerely,
Terracon Consultants, Inc.

Jeffrey D. Attig
Assistant Project Manager

Darren Bruns
Senior Principal

Attachments

Terracon Consultants Inc. 10625 W I70 Frontage Rd N Ste 3 Wheat Ridge, CO 80033-1729

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EXECUTIVE SUMMARY

This Phase I Environmental Site Assessment (ESA) was performed in accordance with Terracon Proposal No. P25217081 dated February 19, 2021, and McDonald's USA PO Number 2369561, and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The ESA was conducted under the supervision or responsible charge of Darren Bruns, Environmental Professional. Jeffrey D. Attig performed the site reconnaissance on March 9, 2021.

Findings and Opinions

A summary of findings is provided below. It should be recognized that details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein.

Site Description and Use

The site is an approximate 1.2-acre subparcel of Douglas County Parcel No. 2233-294-08-027, located northeast of the East Chambers Road and East Hess Road intersection in Parker, Colorado. The site currently consists of vacant land.

Historical Information

The site appeared as vacant land with an irrigation/water diversion canal crossing through the site from north to south from at least 1937 until 1999, after which time the site appears as graded vacant land. The site has appeared in its current configuration from at least 2009.

The north and south adjoining properties appeared as vacant land with an irrigation/water diversion canal from at least 1937 until 1999, after which they appear to be graded vacant land during construction of surrounding infrastructure during the mid-2000s. The north and south adjoining properties appear in their current configurations from at least 2009.

The east adjoining property appeared as vacant land from at least 1937 until 1999, after which it appears to be graded vacant land during construction of surrounding infrastructure during the mid-2000s. The east adjoining property appears in its current configuration from at least 2009.

The west adjoining property appeared as vacant land from at least 1937 until 1999. By 2004 the property appears to be graded as part of infrastructure construction. By 2006, the west adjoining property is developed with the current configuration of South Chambers Road, followed by vacant land and residential properties.

Current or former occupants of concern at the site or adjoining properties were not identified during Terracon's review of historical information.

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Records Review

Selected federal and state environmental regulatory databases, as well as responses from state regulatory agencies, were reviewed. The site was not identified in the records reviewed. The environmental regulatory database review identified a number of federal and/or state listings within the American Society for Testing and Materials (ASTM) E-1527-13 specified search distances. Based on distance, environmental setting, facility characteristics, and/or inquiry results from the local agencies, the identified facilities do not constitute RECs in connection with the site at this time.

Site Reconnaissance

RECs were not identified during the site reconnaissance.

Adjoining Properties

The adjoining properties were observed to consist of vacant land to the north and south, vacant land followed by residential properties to the east, and South Chambers Road, followed by vacant land and residential properties to the west.

Significant Data Gaps

Significant data gaps were not identified.

Conclusions

We have performed a Phase I ESA consistent with the procedures included in ASTM Practice E 1527-13 at a 1.2-acre subparcel of Douglas County Parcel No. 2233-294-08-027, located northeast of the East Chambers Road and East Hess Road intersection in Parker, Colorado, the site. RECs or CRECS were not identified in connection with the site.

Recommendations

Based on the scope of services, limitations, and conclusions of this assessment, Terracon did not identify RECs or CRECs. As such, additional investigation is not warranted at this time.

1.0 INTRODUCTION

1.1 Site Description

Site Name	Proposed McDonald's Restaurant #50785
Site Location/Address	Northeast of South Chambers Road and East Hess Road, Parker, Douglas County, Colorado
Land Area	Approximately 1.2 acres
Site Improvements	Vacant Land
Anticipated Future Site Use	Future McDonald's #50785
Purpose of the ESA	Development of the site

The location of the site is depicted on Exhibit 1 of Appendix A, which was reproduced from a portion of the USGS 7.5-minute series topographic map. The site and adjoining properties are depicted on the Site Diagram, which is included as Exhibit 2 of Appendix A. Acronyms and terms used in this report are described in Appendix F.

1.2 Scope of Services

This Phase I ESA was performed in accordance with Terracon Proposal No. P25217081 dated February 19, 2021, and McDonald's USA PO Number 2369561, and was conducted consistent with the procedures included in ASTM E1527-13, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. The purpose of this ESA was to assist the client in developing information to identify RECs in connection with the site as reflected by the scope of this report. This purpose was undertaken through user-provided information, a regulatory database review, historical and physical records review, interviews, including local government inquiries, as applicable, and a visual noninvasive reconnaissance of the site and adjoining properties. Limitations, ASTM deviations, and significant data gaps (if identified) are noted in the applicable sections of the report.

ASTM E1527-13 contains a new definition of "migrate/migration," which refers to "the movement of hazardous substances or petroleum products in any form, including, for example, solid and liquid at the surface or subsurface, and vapor in the subsurface." By including this explicit reference to migration in ASTM E1527-13, the Standard clarifies that the potential for vapor migration should be addressed as part of a Phase I ESA. This Phase I ESA has considered vapor migration in evaluation of RECs associated with the site.

1.3 Standard of Care

This ESA was performed in accordance with generally accepted practices of this profession, undertaken in similar studies at the same time and in the same geographical area. We have endeavored to meet this standard of care, but may be limited by conditions encountered during performance, a client-driven scope of work, or inability to review information not received by the report date. Where appropriate, these limitations are discussed in the text of the report, and an evaluation of their significance with respect to our findings has been conducted.

Phase I ESAs, such as the one performed at this site, are of limited scope, are noninvasive, and cannot eliminate the potential that hazardous, toxic, or petroleum substances are present or have been released at the site beyond what is identified by the limited scope of this ESA. In conducting the limited scope of services described herein, certain sources of information and public records were not reviewed. It should be recognized that environmental concerns may be documented in public records that were not reviewed. No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Performance of this practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs. No warranties, express or implied, are intended or made. The limitations herein must be considered when the user of this report formulates opinions as to risks associated with the site or otherwise uses the report for any other purpose. These risks may be further evaluated – but not eliminated – through additional research or assessment. We will, upon request, advise you of additional research or assessment options that may be available and associated costs.

1.4 Additional Scope Limitations, ASTM Deviations and Data Gaps

Based upon the agreed-on scope of services, this ESA did not include subsurface or other invasive assessments, vapor intrusion assessments or indoor air quality assessments (i.e. evaluation of the presence of vapors within a building structure), business environmental risk evaluations, or other services not particularly identified and discussed herein. Credentials of the company (Statement of Qualifications) have not been included in this report but are available upon request. Pertinent documents are referred to in the text of this report, and a separate reference section has not been included. Reasonable attempts were made to obtain information within the scope and time constraints set forth by the client; however, in some instances, information requested is not, or was not, received by the issuance date of the report. Information obtained for this ESA was received from several sources that we believe to be reliable; nonetheless, the authenticity or reliability of these sources cannot and is not warranted hereunder. This ESA was further limited by the following:

- At the time of issuance of this report, Terracon has not received a completed user questionnaire from the client's representative for the site.

An evaluation of the significance of limitations and missing information with respect to our findings has been conducted, and where appropriate, significant data gaps are identified and discussed in the text of the report. However, it should be recognized that an evaluation of significant data

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gaps is based on the information available at the time of report issuance, and an evaluation of information received after the report issuance date may result in an alteration of our conclusions, recommendations, or opinions. We have no obligation to provide information obtained or discovered by us after the issuance date of the report, or to perform any additional services, regardless of whether the information would affect any conclusions, recommendations, or opinions in the report. This disclaimer specifically applies to any information that has not been provided by the client.

This report represents our service to you as of the report date and constitutes our final document; its text may not be altered after final issuance. Findings in this report are based upon the site's current utilization, information derived from the most recent reconnaissance and from other activities described herein; such information is subject to change. Certain indicators of the presence of hazardous substances or petroleum products may have been latent, inaccessible, unobservable, or not present during the most recent reconnaissance and may subsequently become observable (such as after site renovation or development). Further, these services are not to be construed as legal interpretation or advice.

1.5 Reliance

This ESA report is prepared for the exclusive use and reliance of McDonalds USA LLC. Use or reliance by any other party is prohibited without the written authorization of McDonalds USA LLC and Terracon Consultants, Inc. (Terracon).

Reliance on the ESA by the client and all authorized parties will be subject to the terms, conditions and limitations stated in the proposal, ESA report, and Terracon's Master Contract for Professional Services – Engineering Services (Contract). The limitation of liability defined in the Contract is the aggregate limit of Terracon's liability to the client and all relying parties.

Continued viability of this report is subject to ASTM E1527-13 Sections 4.6 and 4.8. If the ESA will be used by a different user than the user for whom the ESA was originally prepared, the third party must also satisfy the user's responsibilities in Section 6 of ASTM E1527-13.

1.6 Client Provided Information

Prior to the site visit, Ms. Frances Nuno, client's representative, was asked to provide the following user questionnaire information as described in ASTM E1527-13 Section 6.

Client Questionnaire Responses

Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Specialized Knowledge or Experience that is material to a REC in connection with the site.	X		

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Client Questionnaire Item	Client Did Not Respond	Client's Response	
		Yes	No
Actual Knowledge of Environmental Liens or Activity Use Limitations (AULs) that may encumber the site.	X		
Actual Knowledge of a Lower Purchase Price because contamination is known or believed to be present at the site.	X		
Commonly Known or Reasonably Ascertainable Information that is material to a REC in connection with the site.	X		
Obvious Indicators of Contamination at the site.	X		

The client did not provide the requested User's information as of the issuance date of the report, which represents a data gap. Terracon assumes the client is evaluating the questionnaire information outside the context of Terracon's Phase I ESA scope of work and report.

2.0 PHYSICAL SETTING

Physical Setting Information		Source
Topography		
Site Elevation	Approximately 6,085 feet above sea level	USGS Topographic Map, Castle Rock North, CO, 1994 (Appendix A)
Topographic Gradient	Gently sloping towards the east-southeast	
Closest Surface Water	Unnamed intermittent tributary to Cherry Creek, approximately 500 feet south-southeast of the site.	
Soil Characteristics		
Soil Type	Manzanola Clay Loam	Castle Rock Area, CO USDA Web Soil Survey, March 12, 2021
Description	Well-drained class of soils typically found on plateaus and mesas. Alluvium derived from sedimentary rock and/or eolian deposits.	
Geology/Hydrogeology		
Formation	Qlo – Loess and/or Louviers Alluvium	Geologic Map of the Parker Quadrangle, Arapahoe and Douglas Counties, Colorado, Mayberry & Lindvall, 1972
Description	Loess - Fine eolian silts and clays commonly mixed with fine sands. Louviers Alluvium – Pebbly feldspar and quartz sand and silty clay.	

Physical Setting Information		Source
Estimated Depth to First Occurrence of Groundwater	Likely greater than 20 feet below ground surface.	Depth to the Water Table in the Greater Denver Area, Front Range Urban Corridor, Colorado. Hillier, Schneider, Hutchinson, 1983
*Hydrogeologic Gradient	Not known - may be inferred to be parallel to topographic gradient (primarily to the east-southeast).	

* The groundwater flow direction and the depth to shallow, unconfined groundwater, if present, would likely vary depending upon seasonal variations in rainfall and other hydrogeological features. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

3.0 HISTORICAL USE INFORMATION

Terracon reviewed the following historical sources to develop a history of the previous uses of the site and surrounding area, in order to help identify RECs associated with past uses. Copies of selected historical documents are included in Appendix C.

3.1 Historical Topographic Maps, Aerial Photographs, Sanborn Maps

Readily available historical USGS topographic maps and selected historical aerial photographs (at approximately 10 to 15-year intervals) were reviewed to evaluate land development and obtain information concerning the history of development on and near the site. Reviewed historical topographic maps and aerial photographs are summarized below.

Historical fire insurance maps produced by the Sanborn Map Company were requested from GeoSearch to evaluate past uses and relevant characteristics of the site and surrounding properties. Based upon inquiries to the above-listed Sanborn provider, Sanborn maps were not available for the site.

- Topographic map:
- Castle Rock North, Colorado quadrangle, **1940**, (1:24,000)
- Castle Rock North, Colorado quadrangle, **1945**, (1:24,000)
- Castle Rock North, Colorado quadrangle, **1965**, (1:24,000)
- Castle Rock North, Colorado quadrangle, **1971**, (1:24,000)
- Castle Rock North, Colorado quadrangle, **1980**, (1:24,000)
- Castle Rock North, Colorado quadrangle, **1994**, (1:24,000)

- Aerial photograph:
- ASCS, **1937**, 1" = 500'
- AMS, **1953**, 1" = 500'
- USGS, **1964**, 1" = 500'
- USGS, **1971**, 1" = 500'
- USGS, **1975**, 1" = 500'

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- USGS, 1978, 1" = 500'
- USGS, 1984, 1" = 500'
- USGS, 1993, 1" = 500'
- USGS, 1999, 1" = 500'
- USDA, 2004, 1" = 500'
- USDA, 2005, 1" = 500'
- USDA, 2006, 1" = 500'
- USDA, 2009, 1" = 500'
- USDA, 2011, 1" = 500'
- USDA, 2013, 1" = 500'
- USDA, 2015, 1" = 500'
- USDA, 2017, 1" = 500'
- USDA, 2019, 1" = 500'

Historical Maps and Aerial Photographs

Direction	Description
Site	Vacant land with an irrigation/water diversion canal passing from south to north through the site (1937-1999) Disturbed land with surrounding infrastructure under construction (2004-2006) Vacant land (2009-2019)
North	Vacant land with an irrigation/water diversion canal passing from south to north through the property (1937-1999) Disturbed land with surrounding infrastructure under construction (2004-2006) Vacant land (2009-2019)
East	Vacant land (1937-1999) Disturbed land with surrounding infrastructure under construction (2004-2006) Vacant land (2009-2019)
South	Vacant land with an irrigation/water diversion canal passing from south to north through the property (1937-1999) Disturbed land with surrounding infrastructure under construction (2004-2006) Vacant land (2009-2019)
West	Vacant land (1937-1999) Disturbed land with surrounding infrastructure under construction (2004-2005) South Chambers Road followed by vacant land and residential properties (2006-2019)

3.2 Historical City Directories

The city directories used in this study were made available through GeoSearch (selected years reviewed: 1980-2020) and were reviewed at approximate five-year intervals, if readily available.

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Street listings not available prior to 1980, and the site and adjoining parcels do not have listed addresses, so no city directory records were available.

3.3 Site Ownership

Based on a review of information obtained from the Douglas County Assessor's records, the current site owner is DBSI Chambers and Hess, LLC et al.

3.4 Title Search

At the direction of the client, a title search was/was not included as part of the scope of services. Unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.5 Environmental Liens and Activity and Use Limitations

The GeoSearch regulatory database report included a review of both Federal and State Engineering Control (EC) and Institutional Control (IC) databases. Based on a review of the database report, the site was not listed on the EC or IC databases. Please note that in addition to these federal and state listings, AULs can be recorded at the county and municipal level that may not be listed in the regulatory database report. Environmental lien and activity and use limitation records recorded against the site were not provided by the client. At the direction of the client, performance of a review of these records was not included as part of the scope of services and unless notified otherwise, we assume that the client is evaluating this information outside the scope of this report.

3.6 Interviews Regarding Current and Historical Site Uses

The following individuals were interviewed regarding the current and historical use of the site.

Interviews

Interviewer	Name / Phone #	Title	Date/Time
Jeffrey D. Attig Via email	Grant Nelson (720) 897-6091	Partner	March 18, 2021

Terracon interviewed Mr. Grant Nelson, a partner at Republic Investment Group, during the site reconnaissance. Mr. Nelson indicated that they have been familiar with the site for approximately 2.5 years. Mr. Nelson noted that he was not aware of any the following in association with the site:

- Pending environmental litigation
- Threatened environmental litigation
- Past environmental litigation

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- Possible violations of environmental laws
- Possible environmental liability
- Any potential environmental concerns

3.7 Prior Report Review

Terracon requested the client provide any previous environmental reports they are aware of for the site. Previous reports were not provided by the client to Terracon for review.

4.0 RECORDS REVIEW

Regulatory database information was provided by GeoSearch, a contract information services company. The purpose of the records review was to identify RECs in connection with the site. Information in this section is subject to the accuracy of the data provided by the information services company and the date at which the information is updated. The scope herein did not include confirmation of facilities listed as "unmappable" by regulatory databases.

In some of the following subsections, the words up-gradient, cross-gradient and down-gradient refer to the topographic gradient in relation to the site. As stated previously, the groundwater flow direction and the depth to shallow groundwater, if present, would likely vary depending upon seasonal variations in rainfall and the depth to the soil/bedrock interface. Without the benefit of on-site groundwater monitoring wells surveyed to a datum, groundwater depth and flow direction beneath the site cannot be directly ascertained.

4.1 Federal and State/Tribal Databases

Listed below are the facility listings identified on federal and state/tribal databases within the ASTM-required search distances from the approximate site boundaries. Database definition, descriptions, and the database search report are included in Appendix D.

Federal Databases

Database	Description	Distance (miles)	Listings
NPL	National Priorities List	1	0
NPL (Delisted)	National Priorities Delisted List	0.5	0
CERCLIS / SEMS	Comp. Env. Response, Compensation, & Liability Info System / Superfund Enterprise Management System	0.5	0
CERCLIS NFRAP / SEMSARCH	No Further Remedial Action Planned / Archived	0.5	1
RCRA Gen	Resource Conservation and Recovery Act Generator	Site / adjoining	0
RCRA CORRACTS	RCRA Corrective Action Activity	1	0

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Database	Description	Distance (miles)	Listings
RCRA TSD	RCRA Transport, Storage and Disposal Facility	0.5	0
IC / EC	Institutional Control/Engineering Controls Registry	Site	0
ACRES	Brownfield Database	0.5	0
ERNS	Emergency Response Notification System List	Site	0

State/Tribal Databases

Database	Description	Distance (miles)	Listings
AST	Aboveground Storage Tank Facilities	0.1	0
COVENANTS	Environmental Real Covenants List	Site	0
HISTSWLF	Historical Solid Waste Landfills	0.5	0
LST	Leaking Storage Tank Facilities	0.5	0
SF	Superfund Sites	1	0
SWF	Solid Waste Facilities	0.5	0
UST	Underground Storage Tank Facilities	0.1	0
VCRA	Voluntary Cleanup and Redevelopment Program Sites	0.5	0

In addition to the above ASTM-required listings, Terracon reviewed other federal, state, local, and proprietary databases provided by the database firm. A list of the additional reviewed databases is included in the regulatory database report included in Appendix D.

The facilities listed in the database report do not appear to represent RECs to the site at this time based upon regulatory status, apparent topographic gradient, and/or distance from the site (listed facilities were greater than 500 feet distant from the site).

Unmapped facilities are those that do not contain sufficient address or location information to evaluate the facility listing locations relative to the site. The report did not list facilities in the unmapped section.

4.2 Local Agency Inquiries

Agency Contacted/ Contact Method	Response
Colorado Department of Public Health and Environment (CDPHE) – Hazardous Materials and Waste Management Division (HMWMD) / Online	An online review of CDPHE files did not indicate records associated with the site or adjoining properties. https://cdphe.colorado.gov/hmwmd-records-review

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Agency Contacted/ Contact Method	Response
South Metro Fire Rescue / Email	At the time of issuance of this report, Terracon has not received a response from South Metro Fire Rescue. openrecords@southmetro.org

5.0 SITE RECONNAISSANCE

5.1 General Site Information

Information contained in this section is based on a visual reconnaissance conducted while walking through the site and the accessible interior areas of structures, if any, located on the site. The site and adjoining properties are depicted on the Site Diagram, which is included in Exhibit 2 of Appendix A. Photo documentation of the site at the time of the visual reconnaissance is provided in Appendix B. Credentials of the individuals planning and conducting the site visit are included in Appendix E.

General Site Information

Site Reconnaissance	
Field Personnel	Jeffrey Attig
Reconnaissance Date	March 9, 2021
Weather Conditions	Sunny, 65°
Site Contact/Title	Ms. Frances Nuno / Client Representative

5.2 Overview of Current Site Occupants

The site is currently unoccupied vacant land.

5.3 Overview of Current Site Operations

There are no current site operations.

5.4 Site Observations

The following table summarizes site observations and interviews. Affirmative responses (designated by an "X") are discussed in more detail following the table.

Site Characteristics

Category	Item or Feature	Observed or Identified
	Waste treatment systems and/or water treatment systems	

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Category	Item or Feature	Observed or Identified
Site Operations, Processes, and Equipment	Wash-down areas or carwashes	
	Pesticide/herbicide preparation or storage	
	Salvage operations	
	Oil, gas or mineral production	
	Other processes or equipment	
Aboveground Chemical or Waste Storage	Aboveground storage tanks	
	Drums, barrels and/or containers ≥ 5 gallons	
Underground Chemical or Waste Storage, Drainage or Collection Systems	Underground storage tanks or ancillary UST equipment	
	Sumps, cisterns, French drains, catch basins and/or dry wells	
	Septic tanks and/or leach fields	
	Oil/water separators, sand traps, triple traps, interceptors	
	Pipeline markers	
Electrical Transformers/ PCBs	Transformers	
	Other potential PCB containing equipment	
Releases or Potential Releases	Stressed vegetation	
	Stained soil	
	Stained pavement or similar surface	
	Leachate and/or waste seeps	
	Trash, debris and/or other waste materials	
	Dumping or disposal areas	
	Construction/demolition debris and/or dumped fill dirt	
	Strong, pungent or noxious odors	
	Exterior pipe discharges and/or other effluent discharges	
Other Notable Site Features	Surface water bodies	
	Quarries or pits	
	Wastewater lagoons	
	Wells	

None of the above-referenced characteristics were observed on the site.

6.0 ADJOINING PROPERTY RECONNAISSANCE

Visual observations of adjoining properties (from site boundaries) are summarized below.

Adjoining Properties

Direction	Description
North	Vacant land – No issues identified
East	Vacant land followed by residential structures – – No issues identified
South	Vacant land - – No issues identified

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Direction	Description
West	S Chambers Rd followed by vacant land and residential structures – No issues identified

RECs were not observed with the adjoining properties.

7.0 ADDITIONAL SERVICES

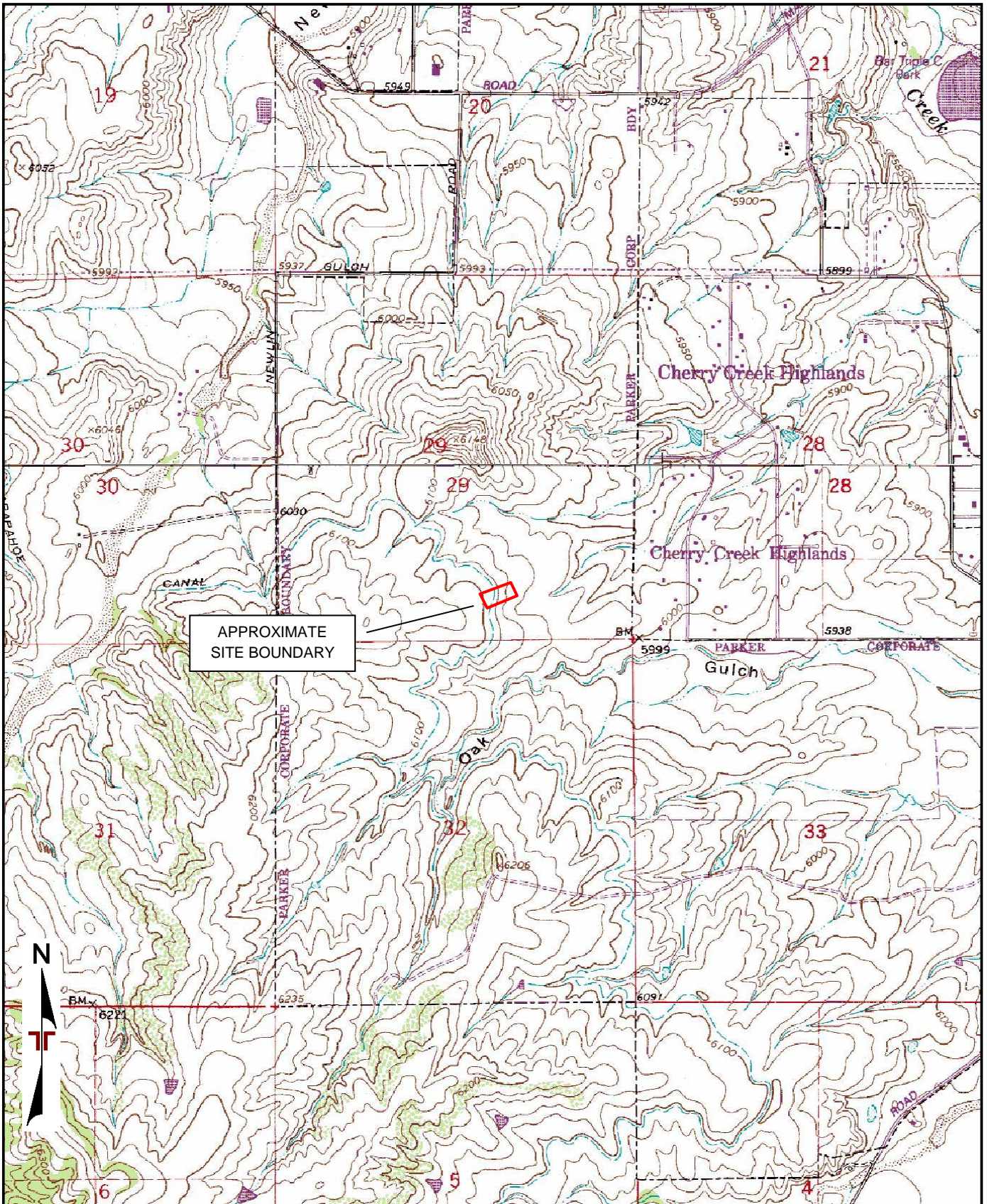
Per the agreed scope of services specified in the proposal, additional services (e.g. asbestos sampling, lead-based paint sampling, wetlands evaluation, lead in drinking water testing, radon testing, vapor encroachment screening, etc.) were not conducted.

8.0 DECLARATION

I, Darren Bruns, 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 CFR 312; and I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the site. I have developed and performed the All Appropriate Inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Darren Bruns
Senior Principal

APPENDIX A
EXHIBIT 1 – TOPOGRAPHIC MAP
EXHIBIT 2 – SITE DIAGRAM



APPROXIMATE
SITE BOUNDARY

TOPOGRAPHIC MAP IMAGE COURTESY OF THE U.S. GEOLOGICAL SURVEY
 QUADRANGLES INCLUDE: PARKER, CO (1/1/1994) and CASTLE ROCK NORTH, CO (1/1/1994).

Project Manager:	JDA
Drawn by:	JDA
Checked by:	KRS
Approved by:	KRS
Project No.	25217081
Scale:	1"=2,000'
File Name:	Exhibits
Date:	3/15/2021

Terracon
 10625 W 170 Frontage Rd N Ste 3
 Wheat Ridge, CO 80033-1729

TOPOGRAPHIC MAP
 Proposed McDonald's
 Restaurant #50785 - ESA
 NE of South Chambers Road and East Hess Road
 Parker, Colorado

Exhibit	1
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APPROXIMATE
SITE BOUNDARY



250 feet



DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

Project Manager:	JDA	Project No.	25217081
Drawn by:	JDA	Scale:	AS SHOWN
Checked by:	KRS	File Name:	Exhibits
Approved by:	KRS	Date:	3/15/2021

Terracon
 10625 W I70 Frontage Rd N Ste 3
 Wheat Ridge, CO 80033-1729

SITE DIAGRAM
 Proposed McDonald's
 Restaurant #50785 - ESA
 NE of South Chambers Road and East Hess Road
 Parker, Colorado

Exhibit
2

APPENDIX B
SITE PHOTOGRAPHS

Phase I Environmental Site Assessment

Proposed McDonald's #50785 ■ NE S Chambers Rd & E Hess Rd, Parker CO
Terracon Project No. 25217081 ■ Site Reconnaissance Date: March 9, 2021



Photo #1 View of the of the property, facing west.



Photo #2 View of the of the property, facing east.



Photo #3 View of the of the property, facing southwest.



Photo #4 View of the north-adjointing property, facing north.



Photo #5 View of the south-adjointing property, facing southeast.



Photo #6 View of the east-adjointing property, facing east-southeast.

Phase I Environmental Site Assessment

Proposed McDonald's #50785 ■ NE S Chambers Rd & E Hess Rd, Parker CO
Terracon Project No. 25217081 ■ Site Reconnaissance Date: March 9, 2021



Photo #7 View along the western edge of the property, facing north-northwest along S Chambers Rd.



Photo #8 View of the west-adjointing property, facing west across S Chambers Rd.



Photo #9 View along the western edge of the property, facing southwest along S Chambers Rd.

APPENDIX C
HISTORICAL DOCUMENTATION AND USER QUESTIONNAIRE

Historical Aerial Photographs

[NEW: GeoLens by Geosearch](#)

Target Property:

***Proposed McDonald's Restaurant #50785
S Chambers Rd & E Hess Rd
Parker, Douglas, Colorado 80134***

Prepared For:

Terracon Consultants-Wheat Ridge

Order #: 162201

Job #: 400245

Project #: 25217081

Date: 3/9/2021

Target Property Summary

Proposed McDonald's Restaurant #50785

S Chambers Rd & E Hess Rd

Parker, Douglas, Colorado 80134

USGS Quadrangle: **Castle Rock North**

Target Property Geometry: **Area**

Target Property Longitude(s)/Latitude(s):

(-104.801587695, 39.494617724), (-104.800651604, 39.494862845), (-104.800496036, 39.494386822),

(-104.801011020, 39.494237457), (-104.801469678, 39.494105655), (-104.801617199, 39.494614797)

Aerial Research Summary

<u>Date</u>	<u>Source</u>	<u>Scale</u>	<u>Frame</u>
2019	USDA	1" = 500'	N/A
2017	USDA	1" = 500'	N/A
2015	USDA	1" = 500'	N/A
2013	USDA	1" = 500'	N/A
2011	USDA	1" = 500'	N/A
2009	USDA	1" = 500'	N/A
2006	USDA	1" = 500'	N/A
2005	USDA	1" = 500'	N/A
2004	USDA	1" = 500'	N/A
10/09/1999	USGS	1" = 500'	N/A
06/26/1993	USGS	1" = 500'	N/A
10/13/1984	USGS	1" = 500'	17-181
07/05/1978	USGS	1" = 500'	1-170
06/11/1975	USGS	1" = 500'	5-94
08/10/1971	USGS	1" = 500'	4-55
10/04/1964	USGS	1" = 500'	1-8
09/25/1953	AMS	1" = 500'	6710
08/11/1937	ASCS	1" = 500'	7-21

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Project Manager:
Drawn by:
Checked by:
Approved by:

Project No:
Scale:
File Name:
Date:



AERIAL PHOTOGRAPH



SITE

Project Manager:	Project No:
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date:



AERIAL PHOTOGRAPH	



SITE

Project Manager:	Project No:
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date:



AERIAL PHOTOGRAPH	



SITE

Project Manager:	Project No:
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date:



AERIAL PHOTOGRAPH	



Project Manager:	Project No:
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date:



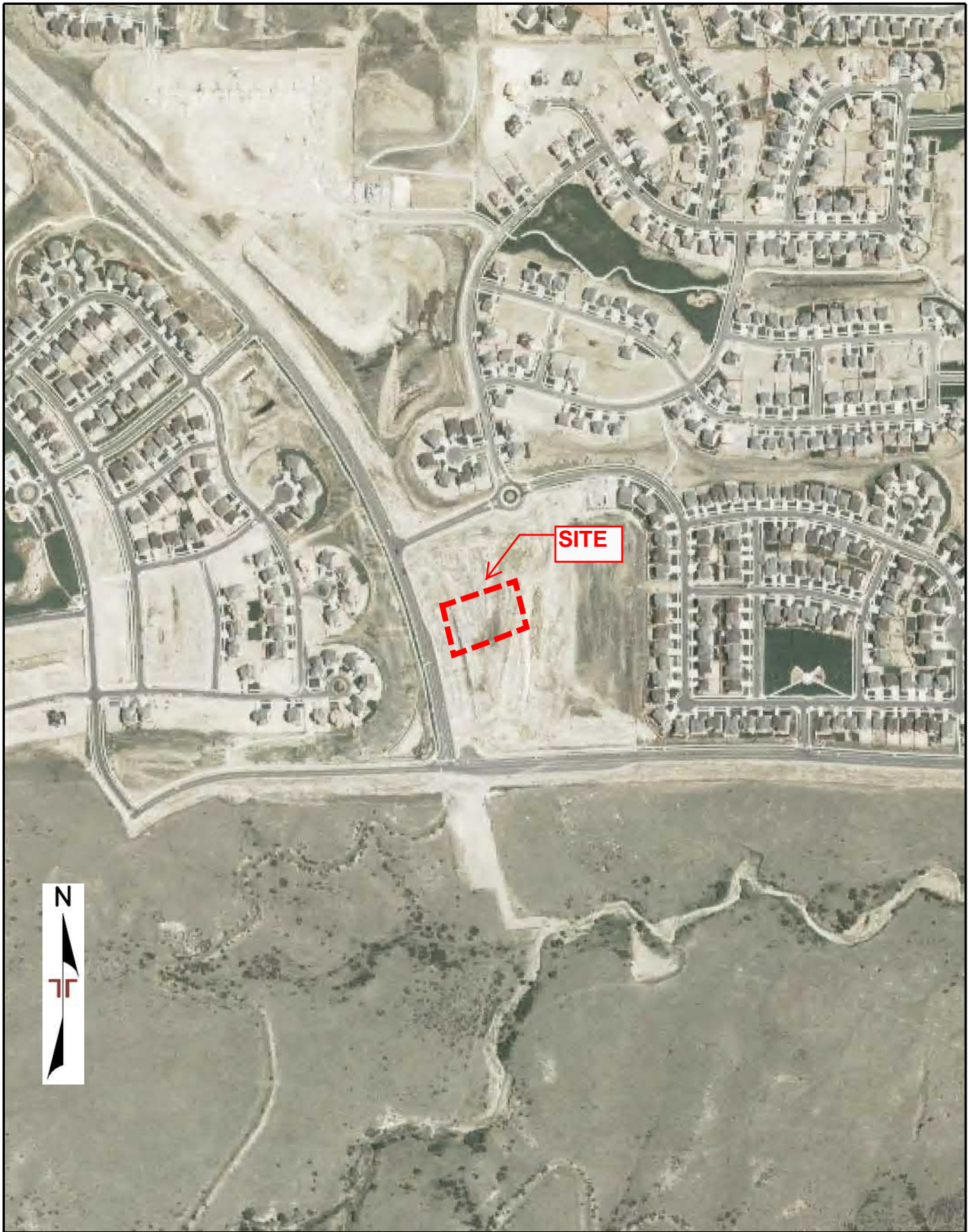
AERIAL PHOTOGRAPH	



Project Manager:	Project No:
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date:



AERIAL PHOTOGRAPH	



Project Manager:
Drawn by:
Checked by:
Approved by:

Project No:
Scale:
File Name:
Date:



AERIAL PHOTOGRAPH



Project Manager:
Drawn by:
Checked by:
Approved by:

Project No:
Scale:
File Name:
Date:



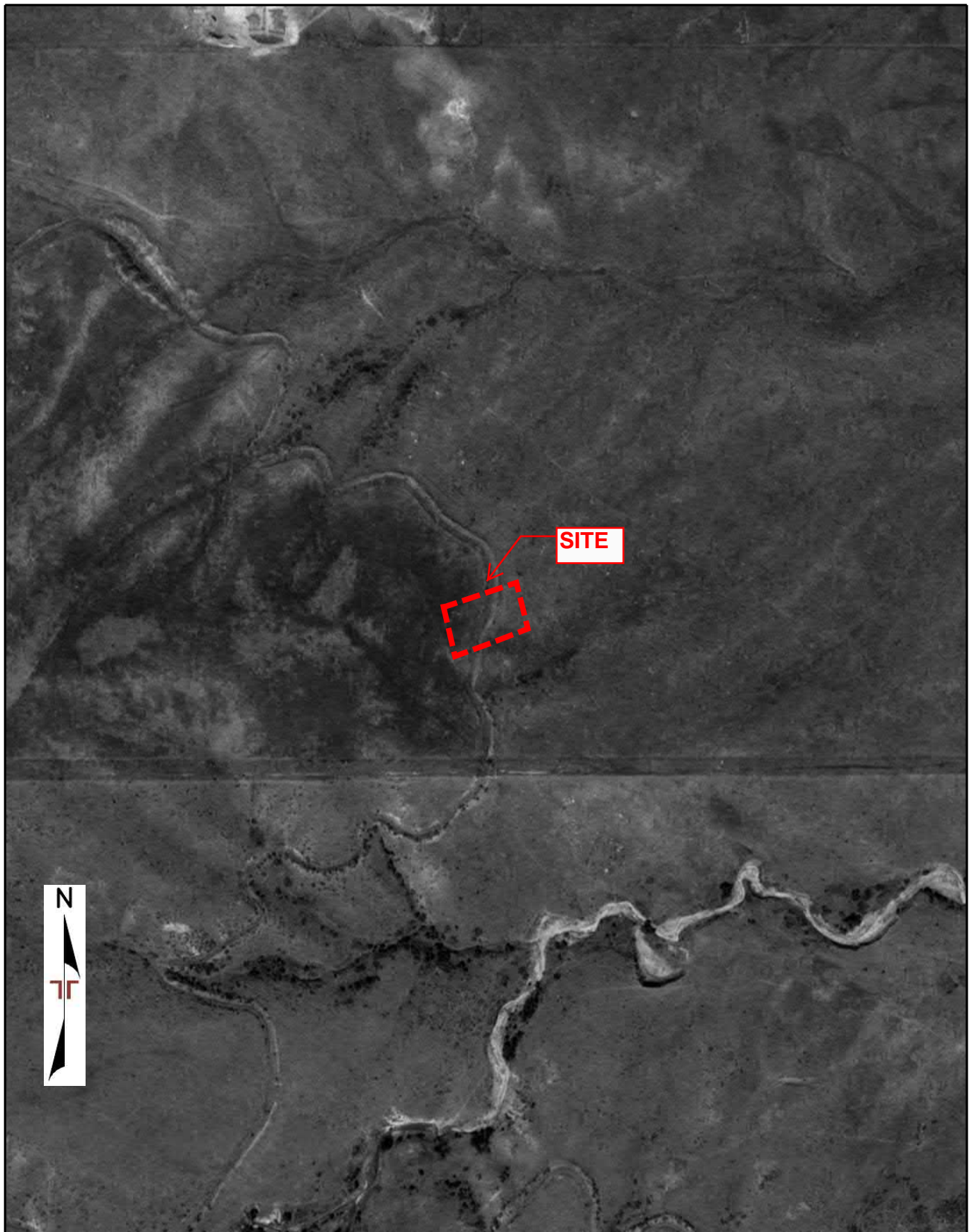
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Project Manager:	Project No:
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date:



AERIAL PHOTOGRAPH	

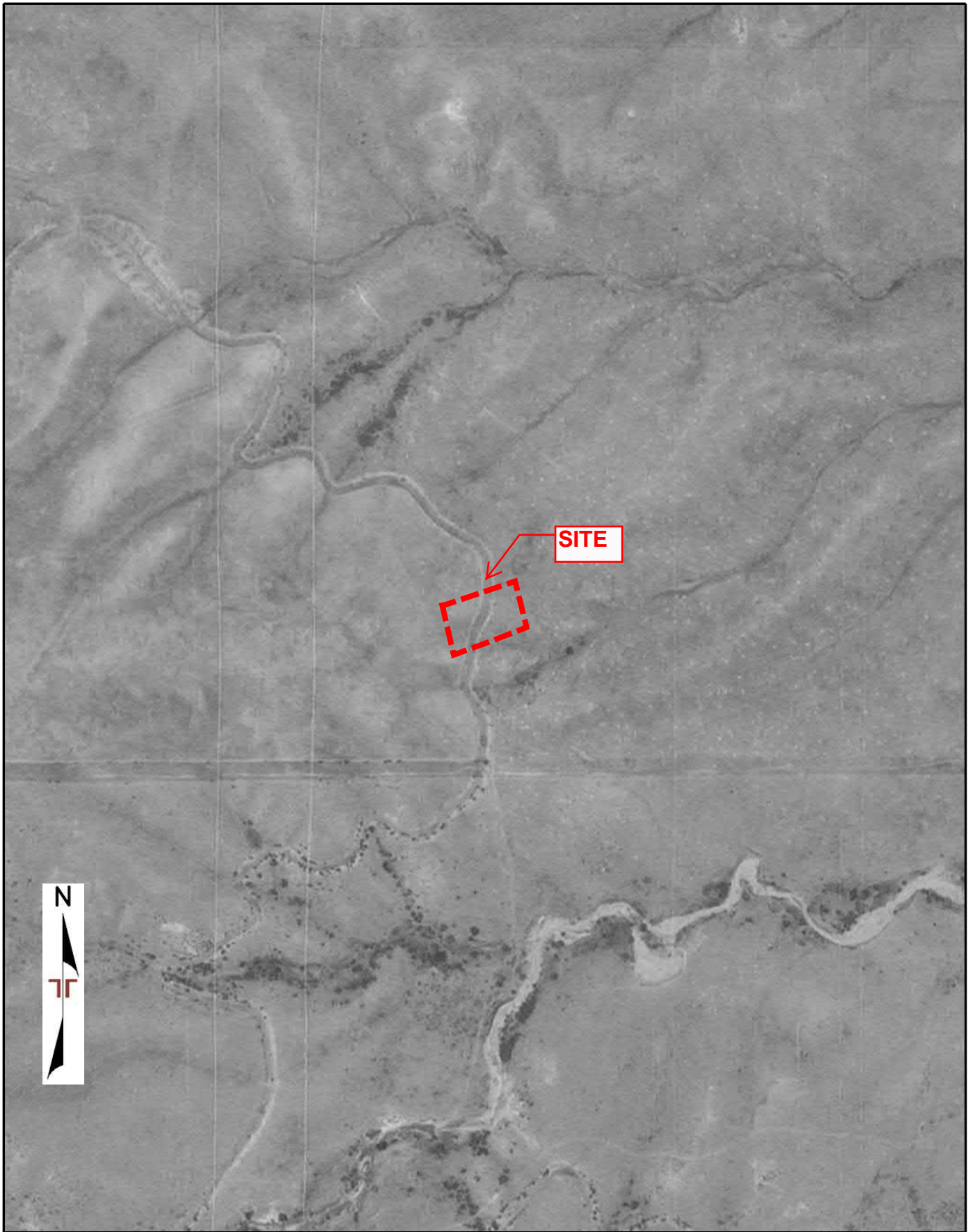


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Project No:
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File Name:
Date:



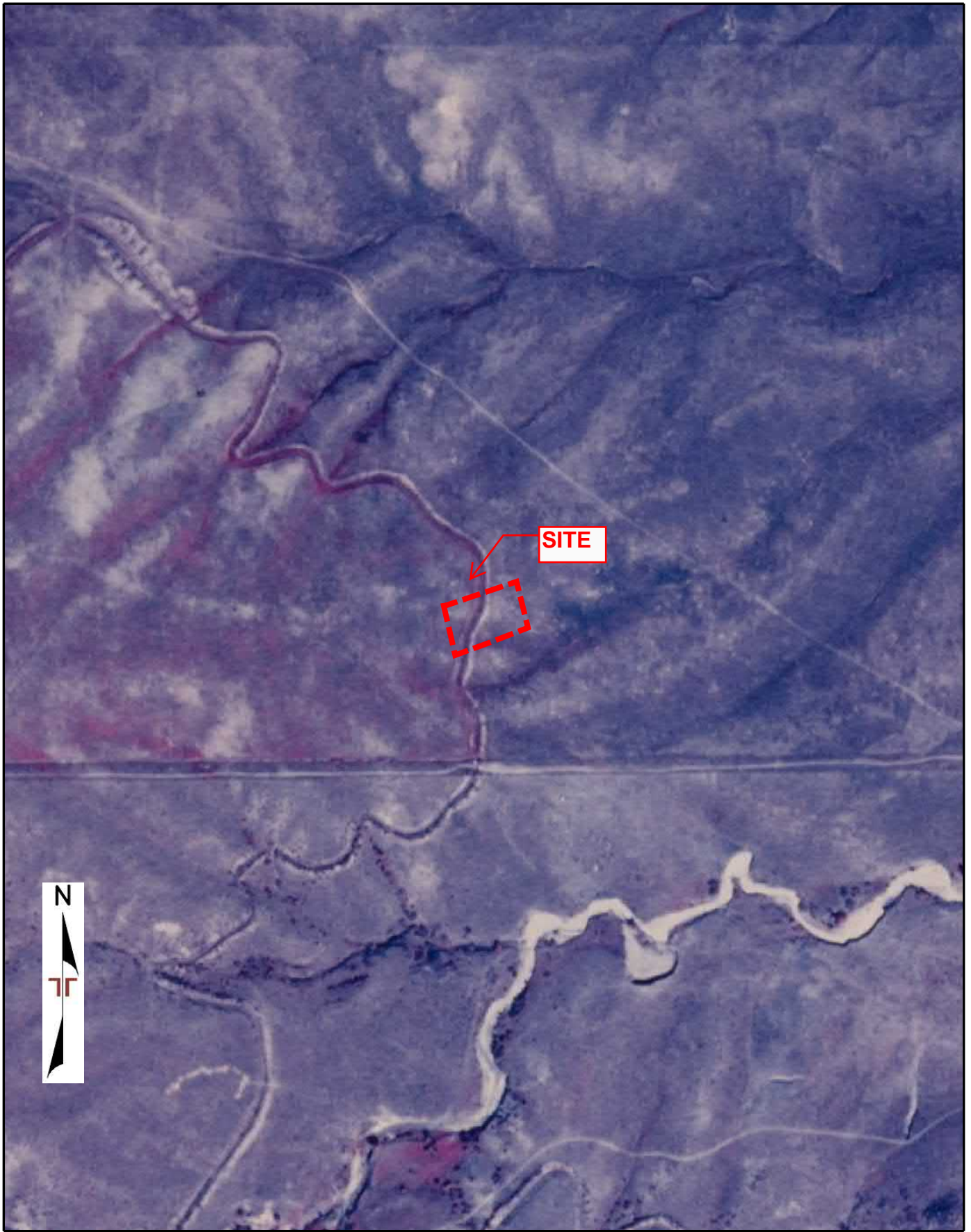
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Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date:



AERIAL PHOTOGRAPH	

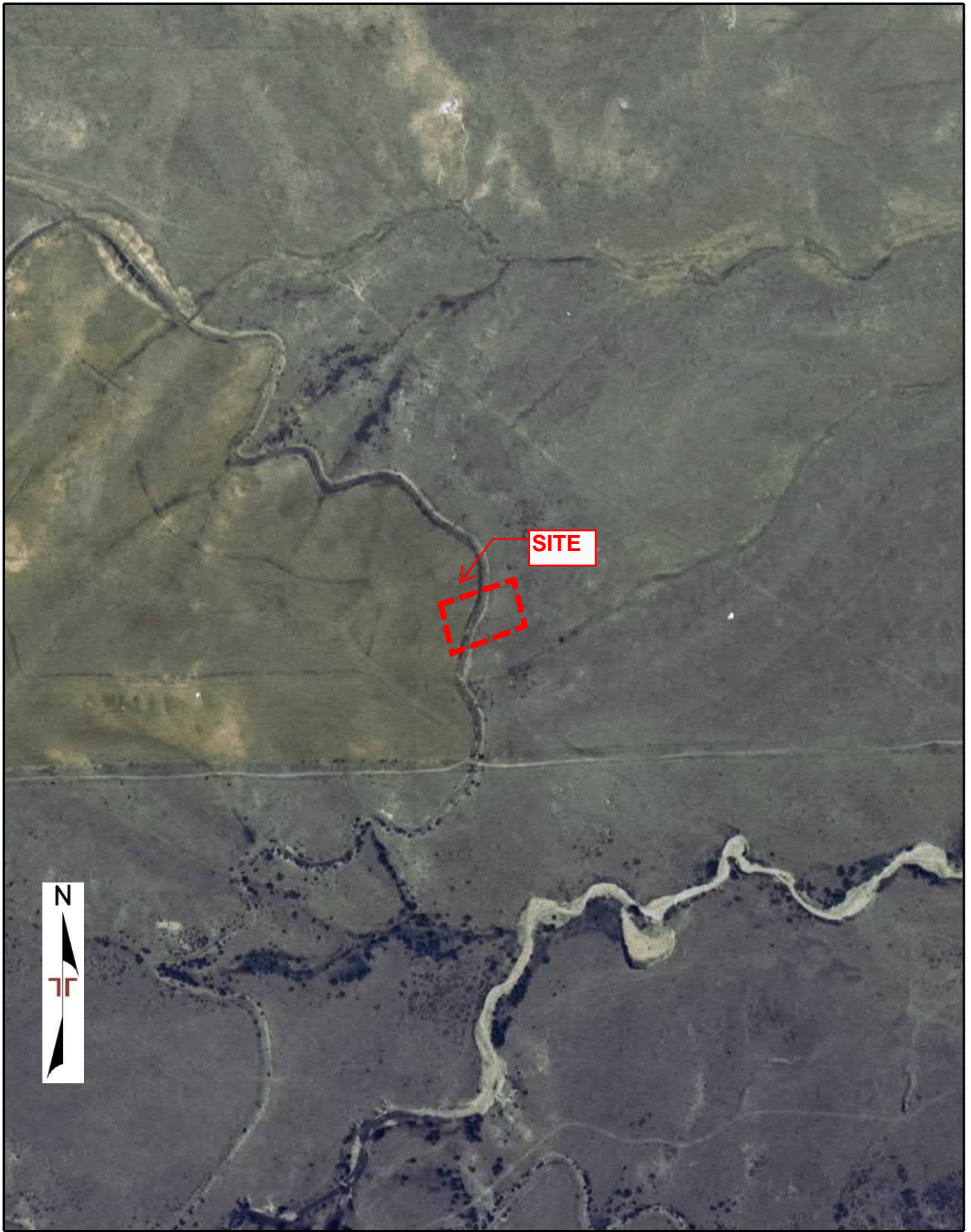


Project Manager:
Drawn by:
Checked by:
Approved by:

Project No:
Scale:
File Name:
Date:



AERIAL PHOTOGRAPH

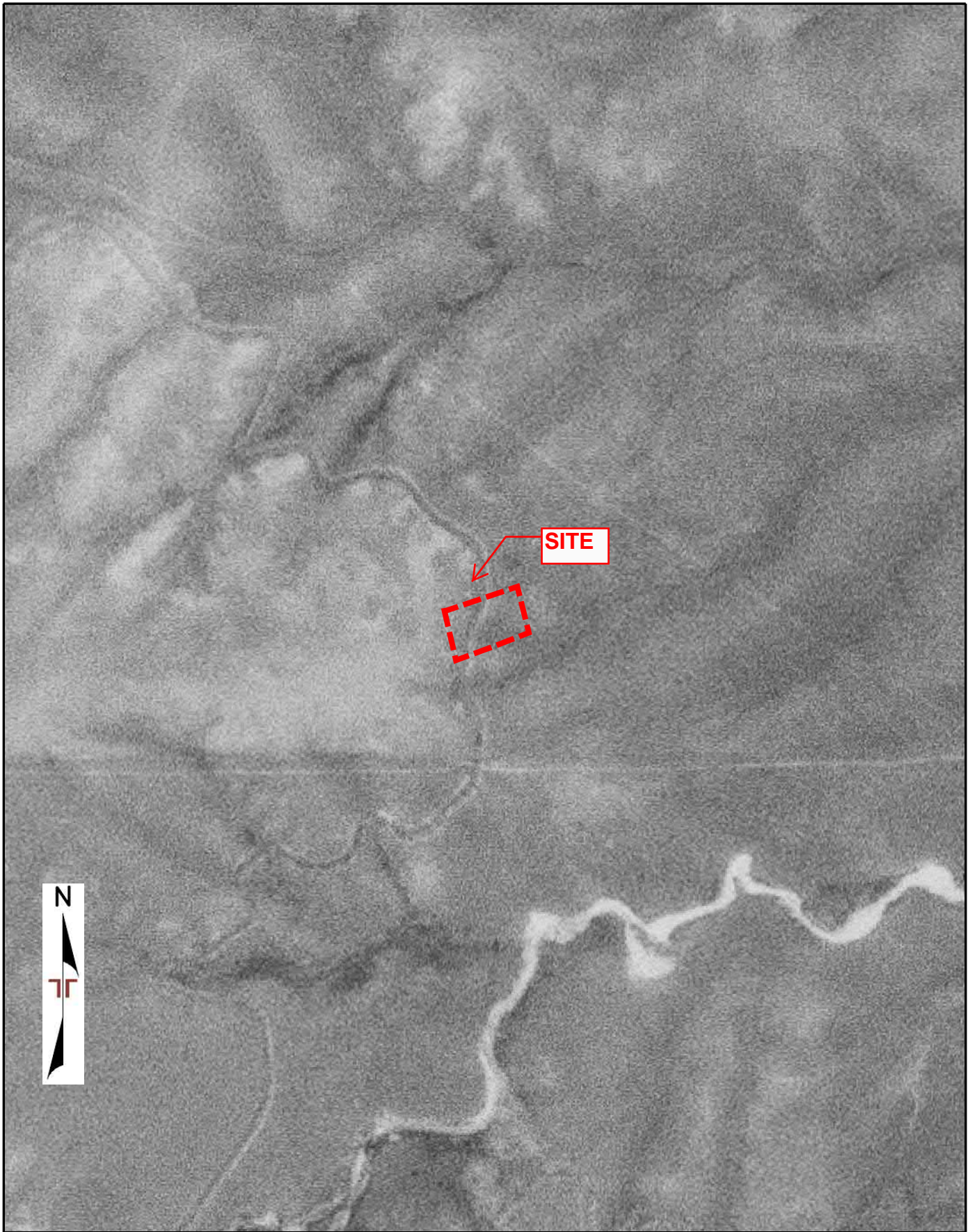


Project Manager:
Drawn by:
Checked by:
Approved by:

Project No:
Scale:
File Name:
Date:



AERIAL PHOTOGRAPH

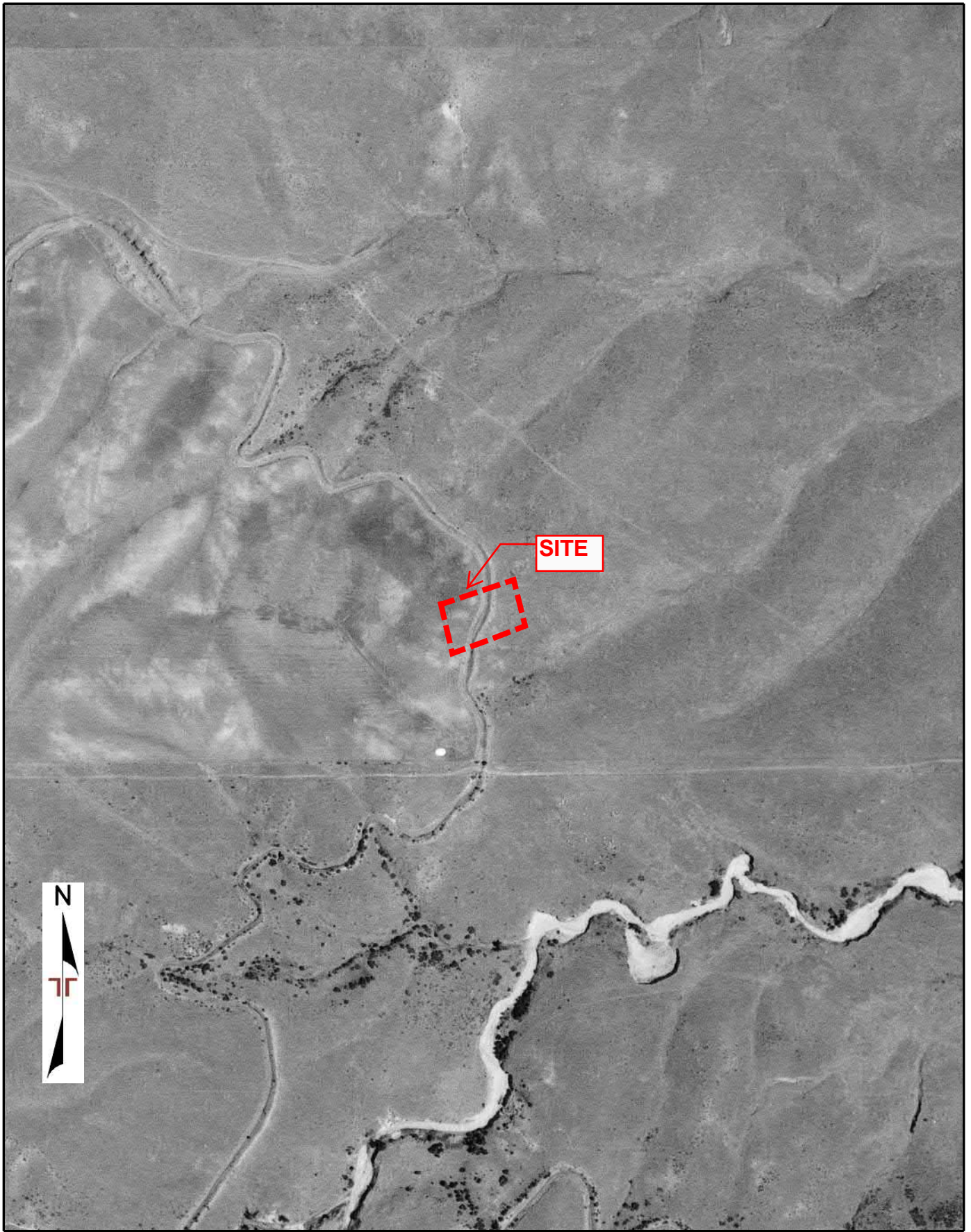


Project Manager:
Drawn by:
Checked by:
Approved by:

Project No:
Scale:
File Name:
Date:



AERIAL PHOTOGRAPH

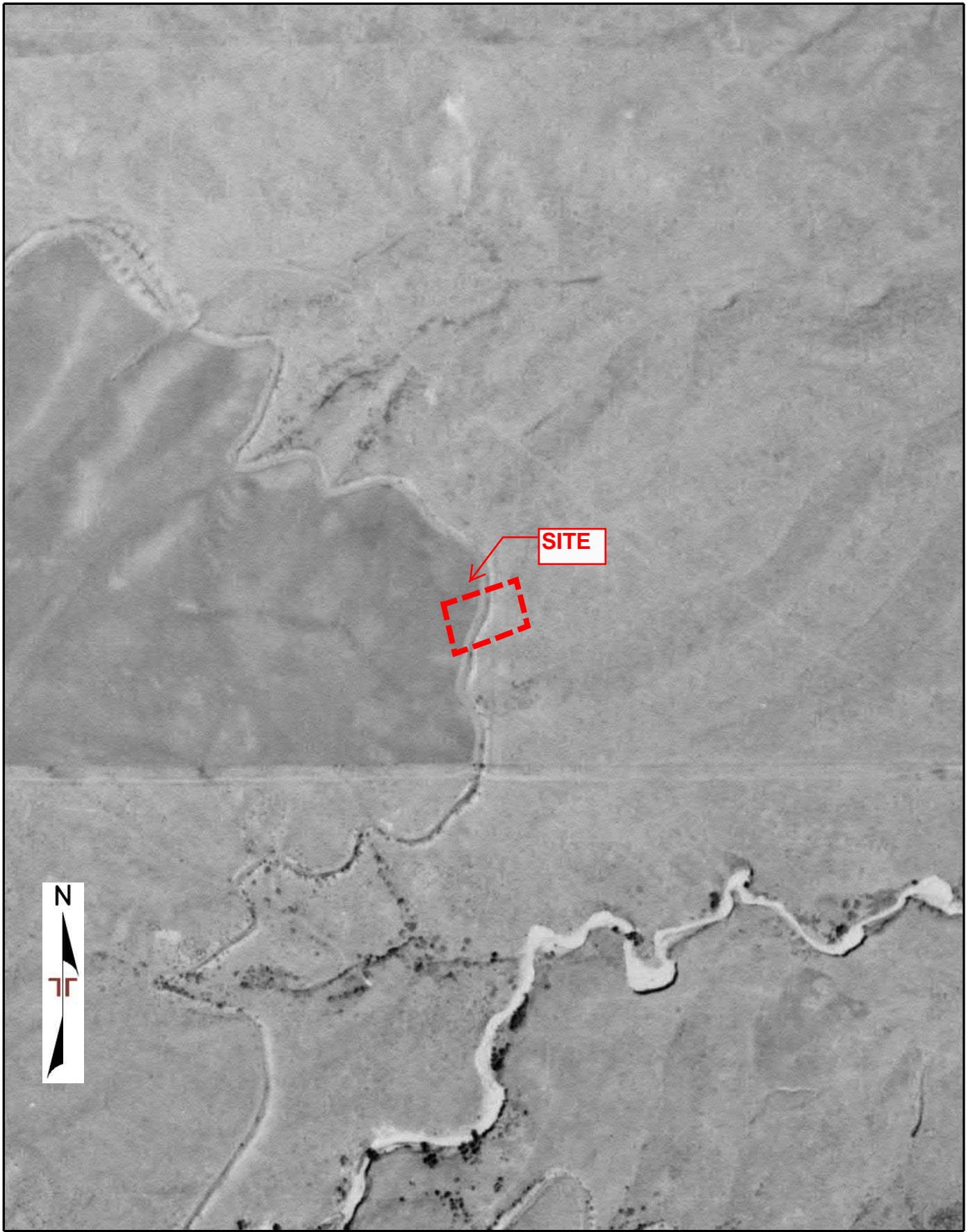


Project Manager:
Drawn by:
Checked by:
Approved by:

Project No:
Scale:
File Name:
Date:



AERIAL PHOTOGRAPH

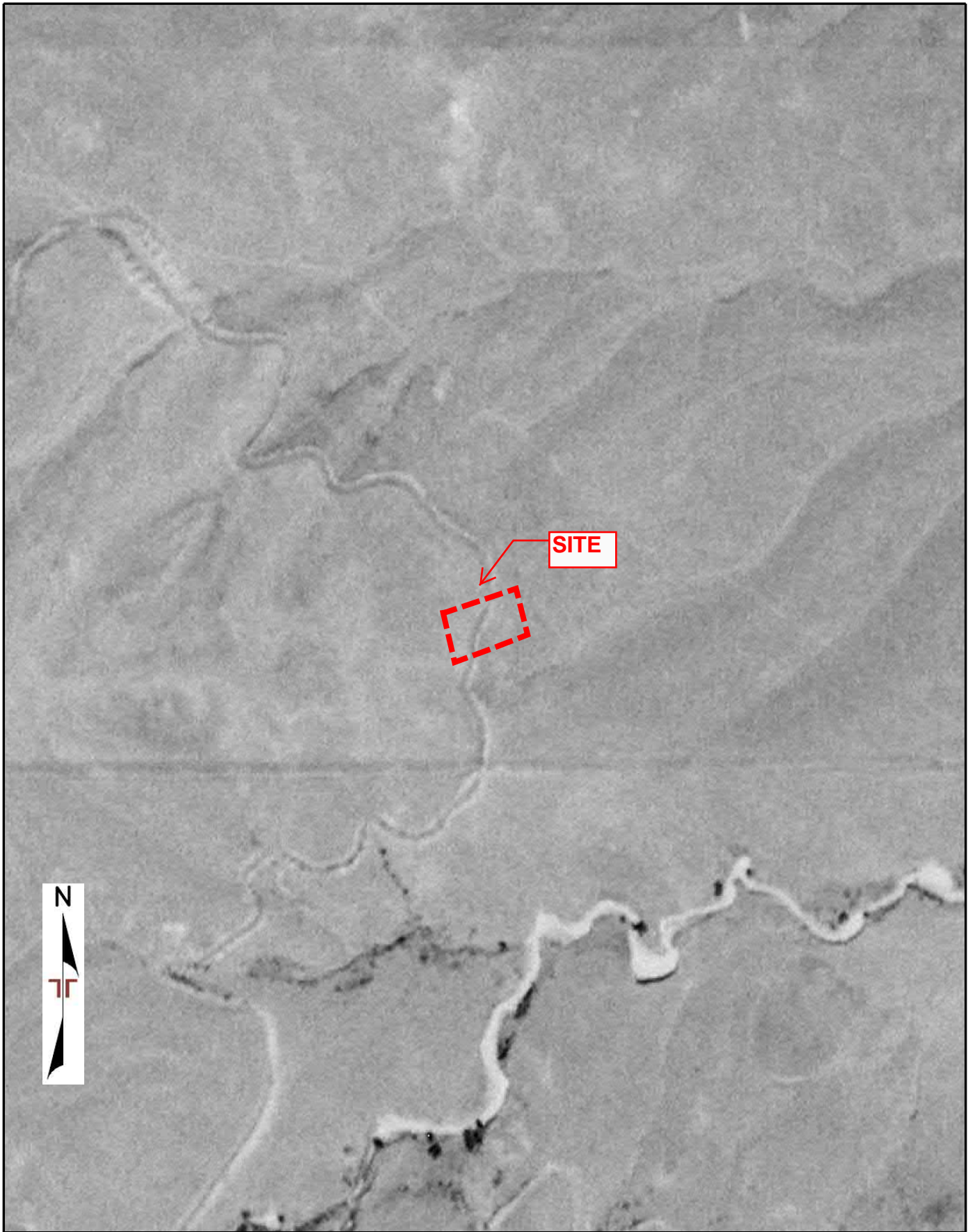


Project Manager:
Drawn by:
Checked by:
Approved by:

Project No:
Scale:
File Name:
Date:



AERIAL PHOTOGRAPH



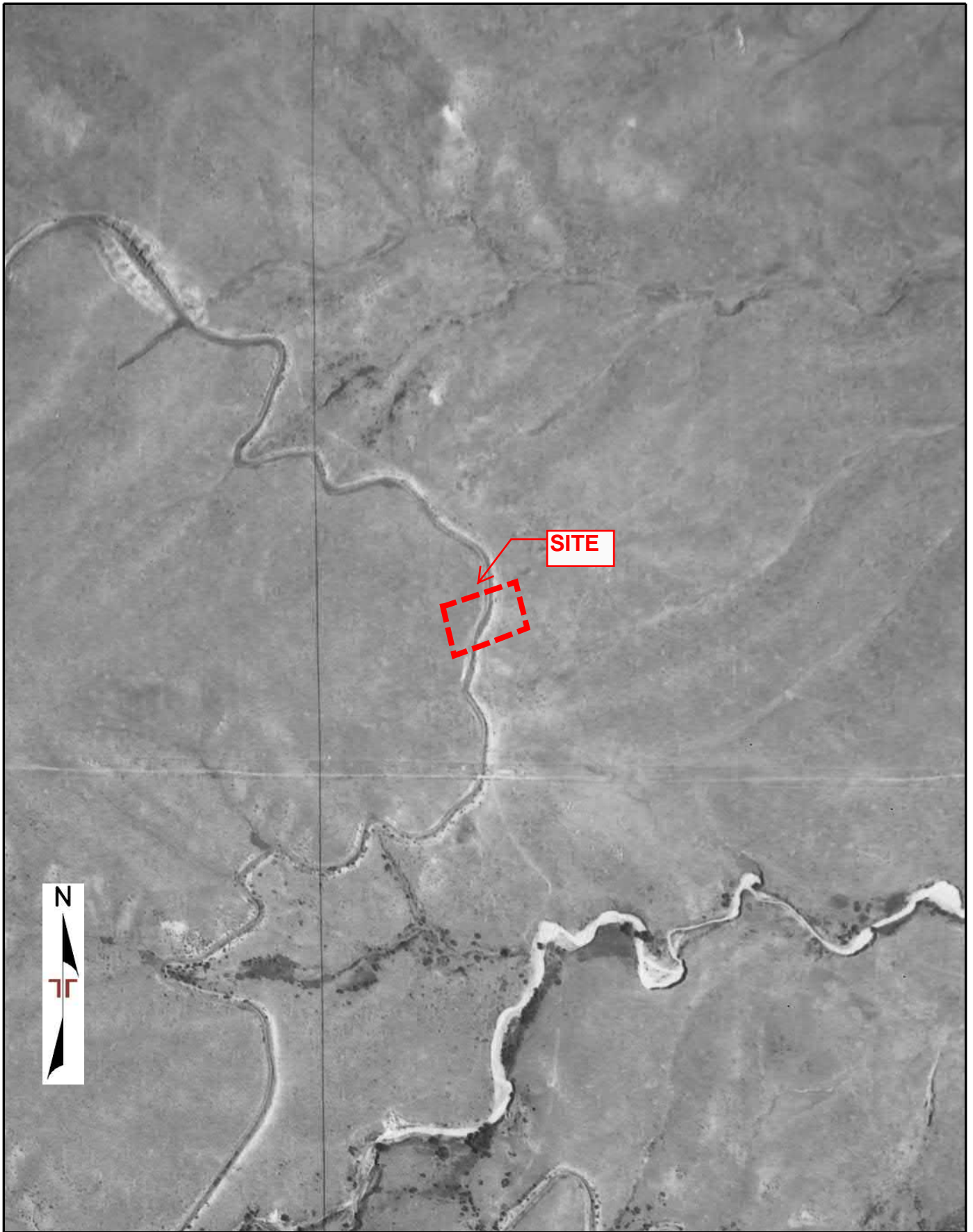
SITE

Project Manager:
Drawn by:
Checked by:
Approved by:

Project No:
Scale:
File Name:
Date:



AERIAL PHOTOGRAPH



Project Manager:	Project No:
Drawn by:	Scale:
Checked by:	File Name:
Approved by:	Date:



AERIAL PHOTOGRAPH	

Client/User Required Questionnaire



Person Completing Questionnaire	Name: Company:	Phone: Email:
Site Name	Proposed McDonald's Restaurant #50785	
Site Address	NE of South Chambers Road and East Hess Road, Parker, Colorado	
Point of Contact for Access	Name: Company:	Phone: Email:
Access Restrictions or Special Site Requirements?	___ No ___ Yes (If yes, please explain)	
Confidentiality Requirements?	___ No ___ Yes (If yes, please explain)	
Current Site Owner	Name: Company:	Phone: Email:
Current Site Operator	Name: Company:	Phone: Email:
Reasons for ESA (e.g., financing, acquisition, lease, etc.)		
Anticipated Future Site Use		
Relevant Documents?	Please provide Terracon copies of prior Phase I or II ESAs, Asbestos Surveys, Environmental Permits or Audit documents, Underground Storage Tank documents, Geotechnical Investigations, Site Surveys, Diagrams or Maps, or other relevant reports or documents.	
ASTM User Questionnaire		
<p>In order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Relief and Brownfields Revitalization Act of 2001 (the "Brownfields Amendments"), the user must respond to the following questions. Failure to provide this information to the environmental professional may result in significant data gaps, which may limit our ability to identify recognized environmental conditions resulting in a determination that "all appropriate inquiry" is not complete. This form represents a type of interview and as such, the user has an obligation to answer all questions in good faith, to the extent of their actual knowledge.</p>		
<p>1) Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.25)? ___ No ___ Yes (If yes, explain below and send Terracon a copy of the title records or judicial records reviewed.)</p>		
<p>2) Did a search of recorded land title records (or judicial records where appropriate) identify any activity and use limitations (AULs), such as engineering controls, land use restrictions, or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state, or local law (40 CFR 312.26)? ___ No ___ Yes (If yes, explain below and send Terracon a copy of the title records or judicial records reviewed.)</p>		
<p>3) Do you have any specialized knowledge or experience related to the site or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the site or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business (40 CFR 312-28)? ___ No ___ Yes (If yes, explain below)</p>		
<p>4) Do you have actual knowledge of a lower purchase price because contamination is known or believed to be present at the site (40 CFR 312.29)? ___ No ___ Yes ___ Not applicable (If yes or Not applicable, explain below)</p>		
<p>5) Are you aware of commonly known or reasonably ascertainable information about the site that would help the environmental professional to identify conditions indicative of releases or threatened releases (40 CFR 312.30)? ___ No ___ Yes (If yes, explain below)</p>		
<p>6) Based on your knowledge and experience related to the site, are there any obvious indicators that point to the presence or likely presence of contamination at the site (40 CFR 312.31)? ___ No ___ Yes (If yes, explain below)</p>		
<p><u>Comments or explanations:</u></p>		

Please return this form with the signed authorization to proceed.

Proposal No. P25217081

APPENDIX D
ENVIRONMENTAL DATABASE INFORMATION



On time. On target. In touch.™

Radius Report

[GeoLens by GeoSearch](#)

Target Property:

**Proposed McDonald's Restaurant #50785
S Chambers Rd & E Hess Rd
Parker, Douglas County, Colorado 80134**

Prepared For:

Terracon Consultants-Wheat Ridge

Order #: 162201

Job #: 400243

Project #: 25217081

Date: 03/05/2021

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Disclaimer

This report was designed by GeoSearch to meet or exceed the records search requirements of the All Appropriate Inquiries Rule (40 CFR § 312.26) and the current version of the ASTM International E1527, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process or, if applicable, the custom requirements requested by the entity that ordered this report. The records and databases of records used to compile this report were collected from various federal, state and local governmental entities. It is the goal of GeoSearch to meet or exceed the 40 CFR § 312.26 and E1527 requirements for updating records by using the best available technology. GeoSearch contacts the appropriate governmental entities on a recurring basis. Depending on the frequency with which a record source or database of records is updated by the governmental entity, the data used to prepare this report may be updated monthly, quarterly, semi-annually, or annually.

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Target Property Summary

Target Property Information

Proposed McDonald's Restaurant #50785
S Chambers Rd & E Hess Rd
Parker, Colorado 80134

Coordinates

Area centroid (-104.80106, 39.4944894)
6,082 feet above sea level

USGS Quadrangle

Castle Rock North, CO

Geographic Coverage Information

County/Parish: Douglas (CO)

ZipCode(s):

Parker CO: 80134

Database Summary

FEDERAL LISTING

Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
EMERGENCY RESPONSE NOTIFICATION SYSTEM	ERNSCO	0	0	TP/AP
FEDERAL ENGINEERING INSTITUTIONAL CONTROL SITES	EC	0	0	TP/AP
LAND USE CONTROL INFORMATION SYSTEM	LUCIS	0	0	TP/AP
RCRA SITES WITH CONTROLS	RCRASC	0	0	TP/AP
RESOURCE CONSERVATION & RECOVERY ACT - GENERATOR	RCRAGR08	0	0	0.2500
RESOURCE CONSERVATION & RECOVERY ACT - NON-GENERATOR	RCRANGR08	0	0	0.2500
BROWNFIELDS MANAGEMENT SYSTEM	BF	0	0	0.5000
DELISTED NATIONAL PRIORITIES LIST	DNPL	0	0	0.5000
NO LONGER REGULATED RCRA NON-CORRACTS TSD FACILITIES	NLRRCRAT	0	0	0.5000
RESOURCE CONSERVATION & RECOVERY ACT - NON-CORRACTS TREATMENT, STORAGE & DISPOSAL FACILITIES	RCRAT	0	0	0.5000
SUPERFUND ENTERPRISE MANAGEMENT SYSTEM	SEMS	0	0	0.5000
SUPERFUND ENTERPRISE MANAGEMENT SYSTEM ARCHIVED SITE INVENTORY	SEMSARCH	1	0	0.5000
NATIONAL PRIORITIES LIST	NPL	0	0	1.0000
NO LONGER REGULATED RCRA CORRECTIVE ACTION FACILITIES	NLRRCRAC	0	0	1.0000
PROPOSED NATIONAL PRIORITIES LIST	PNPL	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - CORRECTIVE ACTION FACILITIES	RCRAC	0	0	1.0000
RESOURCE CONSERVATION & RECOVERY ACT - SUBJECT TO CORRECTIVE ACTION FACILITIES	RCRASUBC	0	0	1.0000
SUB-TOTAL		1	0	

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
GERCLIS LIENS	SFLIENS	0	0	TP/AP
CLANDESTINE DRUG LABORATORY LOCATIONS	CDL	0	0	TP/AP
HAZARDOUS MATERIALS INCIDENT REPORTING SYSTEM	HMIRSR08	0	0	TP/AP
HAZARDOUS WASTE COMPLIANCE DOCKET FACILITIES	HWCD	0	0	TP/AP
INTEGRATED COMPLIANCE INFORMATION SYSTEM (FORMERLY DOCKETS)	ICIS	0	0	TP/AP
MATERIAL LICENSING TRACKING SYSTEM	MLTS	0	0	TP/AP
PCB ACTIVITY DATABASE SYSTEM	PADS	0	0	TP/AP

Database Summary

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
SEMS LIEN ON PROPERTY	SEMSLIENS	0	0	TP/AP
SSEHRI PFAS CONTAMINATION SITES	SSEHRIPFAS	0	0	TP/AP
SECTION SEVEN TRACKING SYSTEM	SSTS	0	0	TP/AP
TOXIC SUBSTANCE CONTROL ACT INVENTORY	TSCA	0	0	TP/AP
HISTORICAL GAS STATIONS	HISTPST	0	0	0.1000
MINE SAFETY AND HEALTH ADMINISTRATION MASTER INDEX FILE	MSHA	0	0	0.1250
MINERAL RESOURCE DATA SYSTEM	MRDS	0	0	0.1250
URANIUM MILL TAILINGS RADIATION CONTROL ACT SITES	USUMTRCA	0	0	0.1250
ALTERNATIVE FUELING STATIONS	ALTFUELS	0	0	0.2500
FEMA OWNED STORAGE TANKS	FEMAUST	0	0	0.2500
INTEGRATED COMPLIANCE INFORMATION SYSTEM DRYCLEANERS	ICISCLEANERS	0	0	0.2500
DEPARTMENT OF DEFENSE SITES	DOD	0	0	0.5000
FORMER MILITARY NIKE MISSILE SITES	NMS	0	0	0.5000
FORMERLY USED DEFENSE SITES	FUDS	1	0	0.5000
OPEN DUMP INVENTORY	ODI	0	0	0.5000
SURFACE MINING CONTROL AND RECLAMATION ACT SITES	SMCRA	0	0	0.5000
FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM	FUSRAP	0	0	1.0000
RECORD OF DECISION SYSTEM	RODS	0	0	1.0000
SUB-TOTAL		1	0	

Database Summary

STATE (CO) LISTING

Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
ENVIRONMENTAL REAL COVENANTS LIST	COVENANTS	0	0	TP/AP
ABOVEGROUND STORAGE TANK FACILITIES	AST	0	0	0.1000
UNDERGROUND STORAGE TANK FACILITIES	UST	0	0	0.1000
HAZARDOUS WASTE SITES- GENERATOR	HWSG	0	0	0.2500
COLORADO BROWNFIELD SITES	BF	0	0	0.5000
HAZARDOUS WASTE SITES- CORRECTIVE ACTION	HWSCA	0	0	0.5000
HISTORICAL SOLID WASTE LANDFILLS	HISTSWLF	0	0	0.5000
LEAKING STORAGE TANK FACILITIES	LST	0	0	0.5000
SOLID WASTE FACILITIES	SWF	0	0	0.5000
VOLUNTARY CLEANUP AND REDEVELOPMENT PROGRAM SITES	VCRA	0	0	0.5000
SUPERFUND SITES	SF	0	0	1.0000
SUB-TOTAL		0	0	

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
METHANE GAS STUDY SITES	METHANESITES	0	0	TP/AP
SPILLS LISTING	SPILLS	0	0	TP/AP
URANIUM MILL TAILINGS SITES	UMTS	0	0	TP/AP
DRY CLEANING FACILITIES	CLEANERS	0	0	0.2500
HAZARDOUS WASTE SITES- TREATMENT, STORAGE & DISPOSAL	HWSTSD	0	0	0.5000
REGISTERED RECYCLING FACILITIES	RECYCLERS	0	0	0.5000
SUB-TOTAL		0	0	

Database Summary

LOCAL LISTING

Additional Environmental Records

<i>Database</i>	<i>Acronym</i>	<i>Locatable</i>	<i>Unlocatable</i>	<i>Search Radius (miles)</i>
DOUGLAS COUNTY TRASH TRANSFER AND LANDFILLS	DCTTLF	0	0	0.5000
TRI-COUNTY HISTORIC LANDFILLS	TCHDHISTLE	0	0	0.5000
<i>SUB-TOTAL</i>		0	0	

Database Summary

TRIBAL LISTING

Standard Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	USTR08	0	0	0.1000
LEAKING UNDERGROUND STORAGE TANKS ON TRIBAL LANDS	LUSTR08	0	0	0.5000
OPEN DUMP INVENTORY ON TRIBAL LANDS	ODINDIAN	0	0	0.5000
SUB-TOTAL		0	0	

Additional Environmental Records

Database	Acronym	Locatable	Unlocatable	Search Radius (miles)
INDIAN RESERVATIONS	INDIANRES	0	0	1.0000
SUB-TOTAL		0	0	
TOTAL		2	0	

Database Radius Summary

FEDERAL LISTING

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
CDL	0.0200	0	NS	NS	NS	NS	NS	0
EC	0.0200	0	NS	NS	NS	NS	NS	0
ERNSCO	0.0200	0	NS	NS	NS	NS	NS	0
HMIRSR08	0.0200	0	NS	NS	NS	NS	NS	0
HWCD	0.0200	0	NS	NS	NS	NS	NS	0
ICIS	0.0200	0	NS	NS	NS	NS	NS	0
LUCIS	0.0200	0	NS	NS	NS	NS	NS	0
MLTS	0.0200	0	NS	NS	NS	NS	NS	0
PADS	0.0200	0	NS	NS	NS	NS	NS	0
RCRASC	0.0200	0	NS	NS	NS	NS	NS	0
SEMSLIENS	0.0200	0	NS	NS	NS	NS	NS	0
SFLIENS	0.0200	0	NS	NS	NS	NS	NS	0
SSEHRIPFAS	0.0200	0	NS	NS	NS	NS	NS	0
SSTS	0.0200	0	NS	NS	NS	NS	NS	0
TSCA	0.0200	0	NS	NS	NS	NS	NS	0
HISTPST	0.1000	0	NS	NS	NS	NS	NS	0
MRDS	0.1250	0	0	NS	NS	NS	NS	0
MSHA	0.1250	0	0	NS	NS	NS	NS	0
USUMTRCA	0.1250	0	0	NS	NS	NS	NS	0
ALTFUELS	0.2500	0	0	0	NS	NS	NS	0
FEMAUST	0.2500	0	0	0	NS	NS	NS	0
ICISCLEANERS	0.2500	0	0	0	NS	NS	NS	0
RCRAGR08	0.2500	0	0	0	NS	NS	NS	0
RCRANGR08	0.2500	0	0	0	NS	NS	NS	0
BF	0.5000	0	0	0	0	NS	NS	0
DNPL	0.5000	0	0	0	0	NS	NS	0
DOD	0.5000	0	0	0	0	NS	NS	0
FUDS	0.5000	0	0	0	1	NS	NS	1
NLRRCRAT	0.5000	0	0	0	0	NS	NS	0
NMS	0.5000	0	0	0	0	NS	NS	0
ODI	0.5000	0	0	0	0	NS	NS	0
RCRAT	0.5000	0	0	0	0	NS	NS	0
SEMS	0.5000	0	0	0	0	NS	NS	0
SEMSARCH	0.5000	0	0	0	1	NS	NS	1
SMCRA	0.5000	0	0	0	0	NS	NS	0

Database Radius Summary

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
FUSRAP	1.0000	0	0	0	0	0	NS	0
NLRRCRAC	1.0000	0	0	0	0	0	NS	0
NPL	1.0000	0	0	0	0	0	NS	0
PNPL	1.0000	0	0	0	0	0	NS	0
RCRAC	1.0000	0	0	0	0	0	NS	0
RGRASUBC	1.0000	0	0	0	0	0	NS	0
RODS	1.0000	0	0	0	0	0	NS	0
SUB-TOTAL								
		0	0	0	2	0	0	2

Database Radius Summary

STATE (CO) LISTING

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
COVENANTS	0.0200	0	NS	NS	NS	NS	NS	0
METHANESITES	0.0200	0	NS	NS	NS	NS	NS	0
SPILLS	0.0200	0	NS	NS	NS	NS	NS	0
UMTS	0.0200	0	NS	NS	NS	NS	NS	0
AST	0.1000	0	NS	NS	NS	NS	NS	0
UST	0.1000	0	NS	NS	NS	NS	NS	0
CLEANERS	0.2500	0	0	0	NS	NS	NS	0
HWSG	0.2500	0	0	0	NS	NS	NS	0
BF	0.5000	0	0	0	0	NS	NS	0
HISTSWLF	0.5000	0	0	0	0	NS	NS	0
HWSCA	0.5000	0	0	0	0	NS	NS	0
HWSTSD	0.5000	0	0	0	0	NS	NS	0
LST	0.5000	0	0	0	0	NS	NS	0
RECYCLERS	0.5000	0	0	0	0	NS	NS	0
SWF	0.5000	0	0	0	0	NS	NS	0
VCRA	0.5000	0	0	0	0	NS	NS	0
SF	1.0000	0	0	0	0	0	NS	0
SUB-TOTAL		0	0	0	0	0	0	0

Database Radius Summary

LOCAL LISTING

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
DCTTLF	0.5000	0	0	0	0	NS	NS	0
TCHDHISTLF	0.5000	0	0	0	0	NS	NS	0
SUB-TOTAL		0	0	0	0	0	0	0

Database Radius Summary

TRIBAL LISTING

Standard environmental records are displayed in **bold**.

Acronym	Search Radius (miles)	TP/AP (0 - 0.02)	1/8 Mile (> TP/AP)	1/4 Mile (> 1/8)	1/2 Mile (> 1/4)	1 Mile (> 1/2)	> 1 Mile	Total
USTR08	0.1000	0	NS	NS	NS	NS	NS	0
LUSTR08	0.5000	0	0	0	0	NS	NS	0
ODINDIAN	0.5000	0	0	0	0	NS	NS	0
INDIANRES	1.0000	0	0	0	0	0	NS	0

SUB-TOTAL		0	0	0	0	0	0	0
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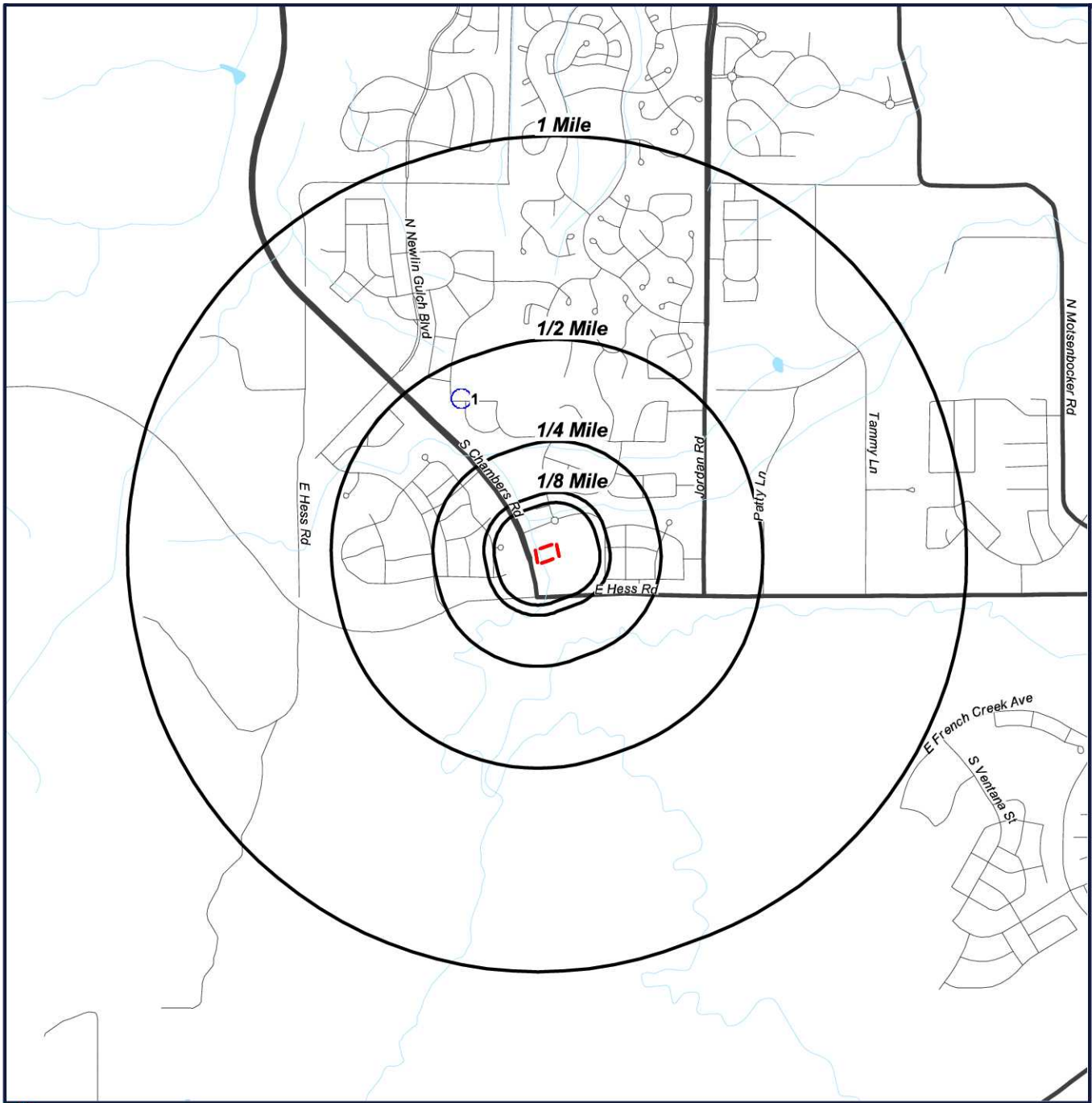
TOTAL		0	0	0	2	0	0	2
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NOTES:

NS = NOT SEARCHED

TP/AP = TARGET PROPERTY/ADJACENT PROPERTY

Radius Map 1

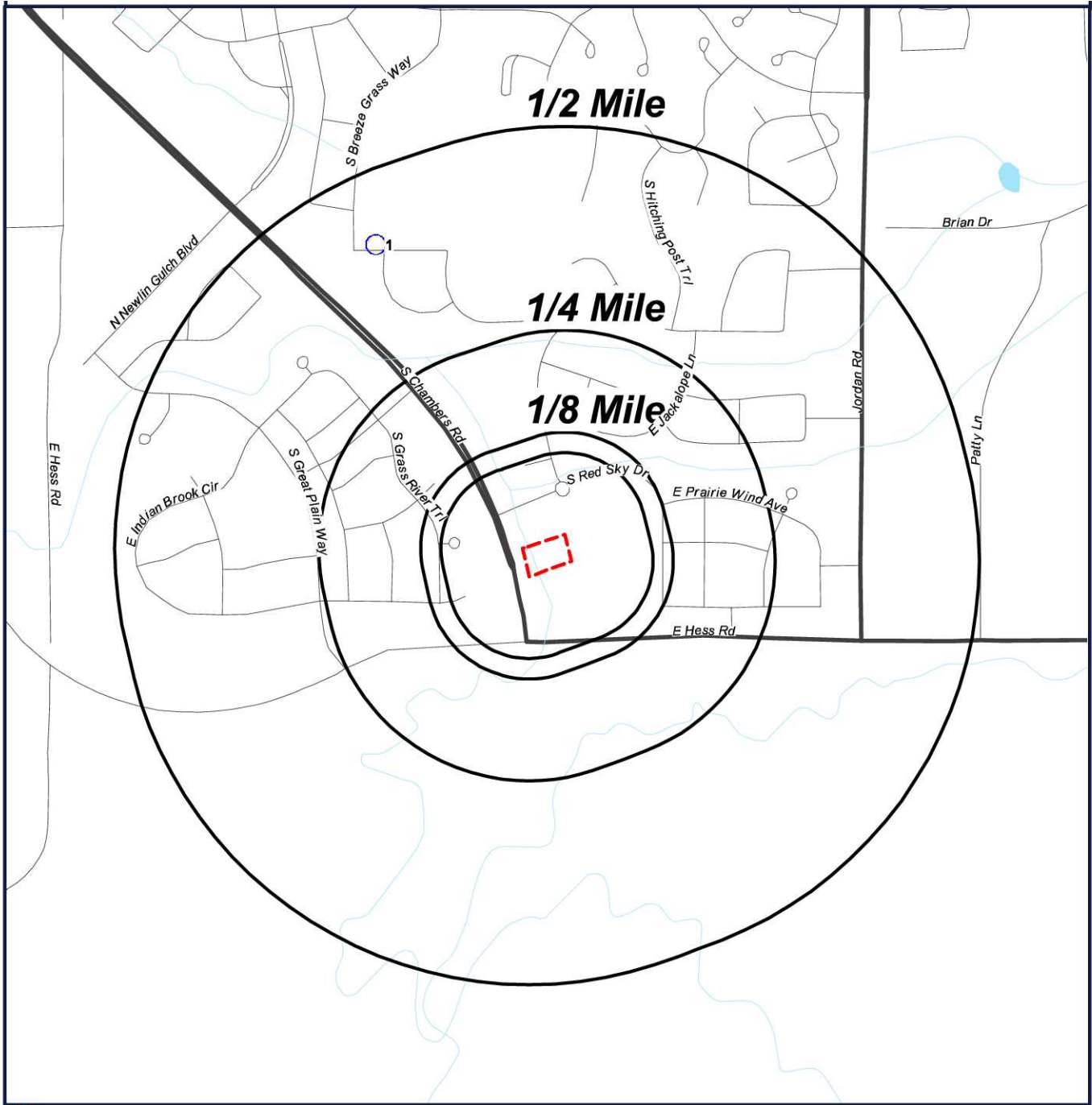




-  Target Property (TP)
-  SEMSARCH

**Proposed McDonald's
Restaurant
#50785
S Chambers Rd & E
Hess Rd
Parker, Colorado
80134**



Radius Map 2

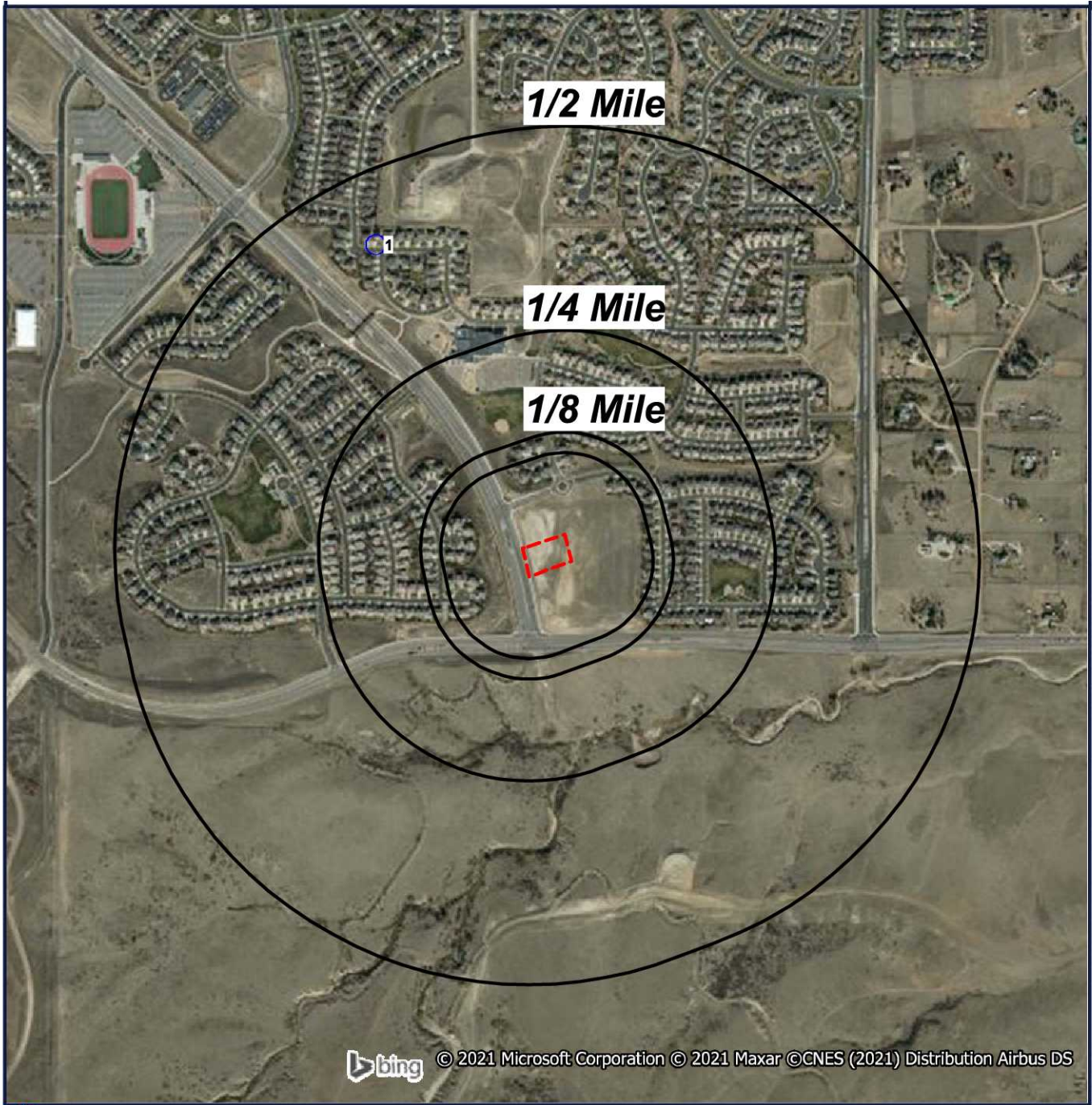


-  Target Property (TP)
-  SEMSARCH

**Proposed McDonald's
Restaurant
#50785
S Chambers Rd & E
Hess Rd
Parker, Colorado
80134**



Ortho Map

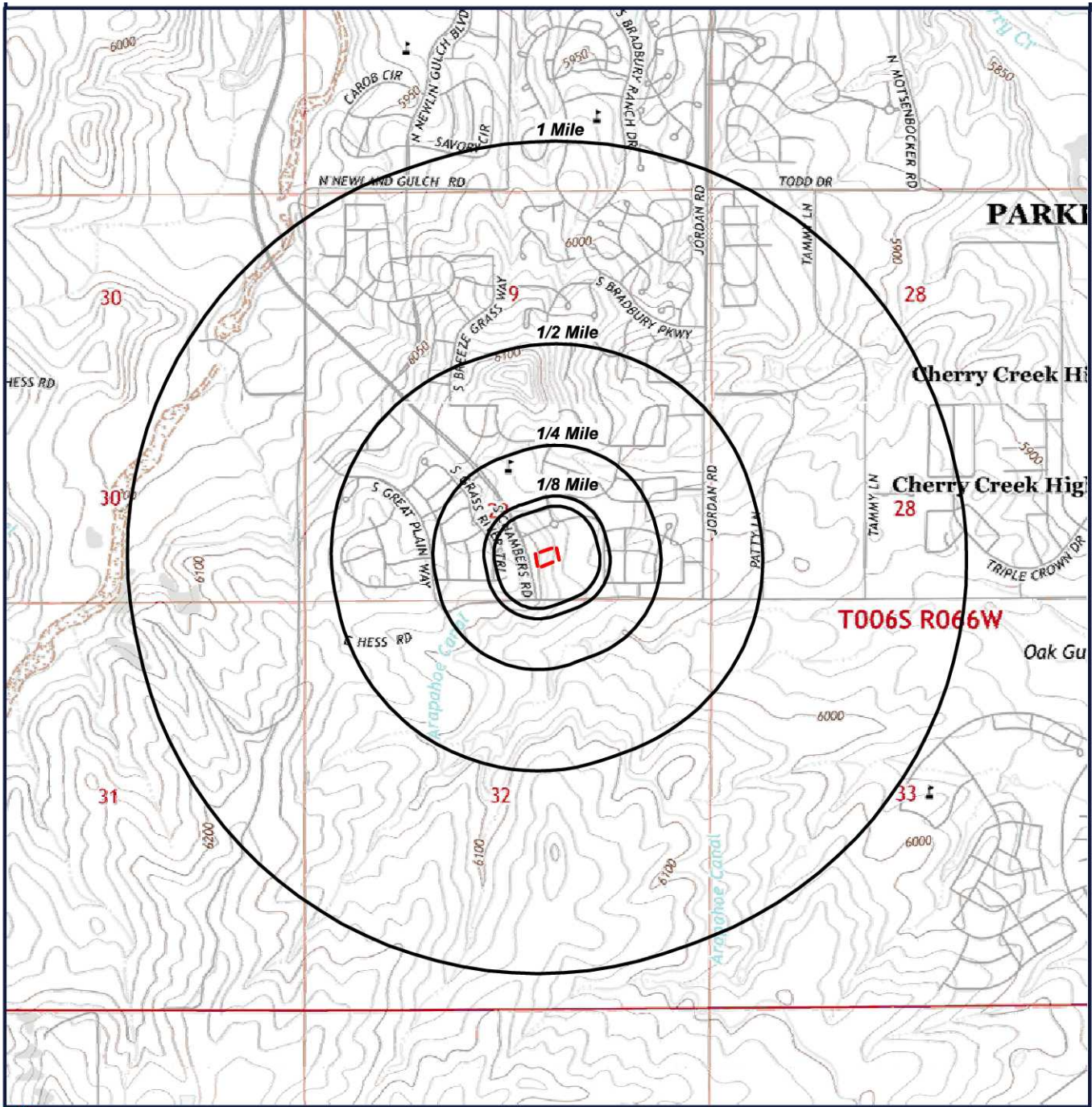


- Target Property (TP)
- SEMSARCH

Quadrangle(s): *Castle Rock North*
Proposed McDonald's Restaurant
#50785
S Chambers Rd & E Hess Rd
Parker, Colorado



Topographic Map



 Target Property (TP)

Quadrangle(s): Castle
Rock
North
Source: USGS,
08/08/2013
**Proposed McDonald's
Restaurant
#50785
S Chambers Rd & E**



Located Sites Summary

NOTE: Standard environmental records are displayed in **bold**.

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address	PAGE #
1	FUDS	B08CO0100	Higher (6,101 ft.)	0.413 mi. NNW (2181 ft.)	FORT LOGAN TAR RGE	DOUGLAS COUNTY, NO CITY, CO 80134	19
1	SEMSARCH	CO0010389318	Higher (6,101 ft.)	0.413 mi. NNW (2181 ft.)	FORT LOGAN TARGET RANGE	TWO MILES WEST OF PARKER, PARKER, CO 80134	20

Site Summary By Database

NOTE: Standard environmental records are displayed in **bold**.

Map ID#	Database Name	Site ID#	Relative Elevation	Distance From Site	Site Name	Address
1	FUDS	B08CO0100	Higher (6,101 ft.)	0.413 mi. NNW (2181 ft.)	FORT LOGAN TAR RGE	DOUGLAS COUNTY, NO CITY, CO 80134
1	SEMSARCH	CO0010389318	Higher (6,101 ft.)	0.413 mi. NNW (2181 ft.)	FORT LOGAN TARGET RANGE	TWO MILES WEST OF PARKER, PARKER, CO 80134

Elevation Summary

Elevations are collected from the USGS 3D Elevation Program 1/3 arc-second (approximately 10 meters) layer hosted at the NGTOC. .

Target Property Elevation: 6082 ft.

NOTE: Standard environmental records are displayed in **bold**.

EQUAL/HIGHER ELEVATION

Map ID#	Database Name	Elevation	Site Name	Address	Page #
1	FUDS	6,101 ft.	FORT LOGAN TAR RGE	DOUGLAS COUNTY, NO CITY, CO 80134	19
1	SEMSARCH	6,101 ft.	FORT LOGAN TARGET RANGE	TWO MILES WEST OF PARKER, PARKER, CO 80134	20

LOWER ELEVATION

No Records Found

Formerly Used Defense Sites (FUDS)

MAP ID# 1

Distance from Property: 0.413 mi. (2,181 ft.) NNW
Elevation: 6,101 ft. (Higher than TP)

FACILITY INFORMATION

Geosearch Id: **B08CO0100**
FUDS NUMBER: **B08CO0100**
PROPERTY NAME: **FORT LOGAN TAR RGE**
ADDRESS: **DOUGLAS COUNTY**
NO CITY, CO 80134
COUNTY: **DOUGLAS**

FACILITY DETAIL(S)

FUDS PROPERTY POINT DATA

FFID: **CO89799F051800**
PROPERTY ID: **NOT REPORTED**
PROJECT ID: **NOT REPORTED**
ENV SITE ID: **NOT REPORTED**
SITE ID: **NOT REPORTED**
MRA ID: **NOT REPORTED**
PROJECT NUMBER: **NOT REPORTED**
PROJECT NAME: **NOT REPORTED**
PROGRAM: **NOT REPORTED**
CATEGORY: **NOT REPORTED**
STATUS: **PROPERTIES WITHOUT PROJECTS**
FED LAND TYPE: **NOT REPORTED**
FED LAND NAME: **NOT REPORTED**
FED LAND AGENCY: **NOT REPORTED**
SITE CLOSEOUT DATE: **NOT REPORTED**
REMEDY IN PLACE DATE: **NOT REPORTED**
RESPONSE COMPLETE DATE: **NOT REPORTED**
NPL STATUS CODE: **NOT LISTED**
CURRENT OWNER: **PRIVATE SECTOR**
ELIGIBILITY: **ELIGIBLE**
HAS PROJECTS: **NO**
FISCAL YEAR: **2018**
EPA REGION: **08**
CONGRESSIONAL DISTRICT: **04**
DISTRICT RESPONSIBLE FOR THE FUDS PROPERTY: **OMAHA DISTRICT (NWO)**
IS THE PROPERTY HAS ANY CLEANUP UNDER THE MILITARY MUNITIONS RESPONSE PROGRAM (MMRP): **NOT REPORTED**
ACREAGE: **NOT REPORTED**
DESCRIPTION: **NOT REPORTED**
HISTORY: **NOT REPORTED**
EMS MAP LINK: [CLICK HERE](#)

[Back to Report Summary](#)

Superfund Enterprise Management System Archived Site Inventory (SEMSARCH)

[MAP ID# 1](#)

Distance from Property: 0.413 mi. (2,181 ft.) NNW
Elevation: 6,101 ft. (Higher than TP)

FACILITY INFORMATION

EPA ID#: CO0010389318

SITE ID#: 0801875

NAME: FORT LOGAN TARGET RANGE

ADDRESS: TWO MILES WEST OF PARKER
PARKER, CO 80134

COUNTY: DOUGLAS

FEDERAL FACILITY: NOT A FEDERAL FACILITY

SUPERFUND ALTERNATIVE AGREEMENT IN PLACE?: NO

NPL: NOT ON THE NPL

NON NPL STATUS: NFRAP-SITE DOES NOT QUALIFY FOR THE NPL BASED ON EXISTING INFORMATION

SUPERFUND SITE INFORMATION: [CLICK HERE](#)

Below information was gathered from the prior NFRAP update completed in 10/2013 update:

ACTION	START DATE	COMPLETION DATE	RESPONSIBILITY
PA - PRELIMINARY ASSESSMENT	8/10/2005	8/12/2005	EPA IN-HOUSE
DS - DISCOVERY	NOT REPORTED	8/1/1991	EPA FUND
VS - ARCHIVE SITE	NOT REPORTED	8/15/2005	EPA IN-HOUSE

ACTION DESCRIPTIONS

PA - (PRELIMINARY ASSESSMENT) - COLLECTION OF DIVERSE EXISTING INFORMATION ABOUT THE SOURCE AND NATURE OF THE SITE HAZARD. IT IS EPA POLICY TO COMPLETE THE PRELIMINARY ASSESSMENT WITHIN ONE YEAR OF SITE DISCOVERY.

DS - (DISCOVERY) - THE PROCESS BY WHICH A POTENTIAL HAZARDOUS WASTE SITE IS BROUGHT TO THE ATTENTION OF THE EPA. THE PROCESS CAN OCCUR THROUGH THE USE OF SEVERAL MECHANISMS SUCH AS A PHONE CALL OR REFERRAL BY ANOTHER GOVERNMENT AGENCY.

VS - (ARCHIVE SITE) - THE DECISION IS MADE THAT NO FURTHER ACTIVITY IS PLANNED AT THE SITE.

[Back to Report Summary](#)

Unlocated Sites Summary

This list contains sites that could not be mapped due to limited or incomplete address information.

No Records Found

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ALTFUELS Alternative Fueling Stations

VERSION DATE: 10/28/20

Nationwide list of alternative fueling stations made available by the U.S. Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Bio-diesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE).

BF Brownfields Management System

VERSION DATE: 01/11/21

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. The United States Environmental Protection Agency maintains this database to track activities in the various brown field grant programs including grantee assessment, site cleanup and site redevelopment. This database included tribal brownfield sites.

CDL Clandestine Drug Laboratory Locations

VERSION DATE: 06/17/20

The U.S. Department of Justice ("the Department") provides this information 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. The Department does not establish, implement, enforce, or certify compliance with clean-up or remediation standards for contaminated sites; the public should contact a state or local health department or environmental protection agency for that information.

DNPL Delisted National Priorities List

VERSION DATE: 11/20/20

This database includes sites from the United States Environmental Protection Agency's Final National Priorities List (NPL) where remedies have proven to be satisfactory or sites where the original analyses were inaccurate, and the site is no longer appropriate for inclusion on the NPL, and final publication in the Federal Register has occurred.

DOD Department of Defense Sites

VERSION DATE: 12/01/14

This information originates from the National Atlas of the United States Federal Lands data, which includes lands

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owned or administered by the Federal government. Army DOD, Army Corps of Engineers DOD, Air Force DOD, Navy DOD and Marine DOD areas of 640 acres or more are included.

EC Federal Engineering Institutional Control Sites

VERSION DATE: 11/23/20

This database includes site locations where Engineering and/or Institutional Controls have been identified as part of a selected remedy for the site as defined by United States Environmental Protection Agency official remedy decision documents. The data displays remedy component information for Superfund decision documents issued in fiscal years 1982-2017, and it includes final and deleted NPL sites as well as sites with a Superfund Alternative Approach (SAA) agreement in place. The only sites included that are not on the NPL, proposed for NPL, or removed from proposed NPL, are those with an SAA Agreement in place. A site listing does not indicate that the institutional and engineering controls are currently in place nor will be in place once the remedy is complete; it only indicates that the decision to include either of them in the remedy is documented as of the completed date of the document. Institutional controls are actions, such as legal controls, that help minimize the potential for human exposure to contamination by ensuring appropriate land or resource use. Engineering controls include caps, barriers, or other device engineering to prevent access, exposure, or continued migration of contamination.

ERNSCO Emergency Response Notification System

VERSION DATE: 12/27/20

This National Response Center database contains data on reported releases of oil, chemical, radiological, biological, and/or etiological discharges into the environment anywhere in the United States and its territories. The data comes from spill reports made to the U.S. Environmental Protection Agency, U.S. Coast Guard, the National Response Center and/or the U.S. Department of Transportation.

FEMAUST FEMA Owned Storage Tanks

VERSION DATE: 12/01/16

This is a listing of FEMA owned underground and aboveground storage tank sites. For security reasons, address information is not released to the public according to the U.S. Department of Homeland Security.

FUDS Formerly Used Defense Sites

VERSION DATE: 12/31/18

The Formerly Used Defense Sites (FUDS) inventory includes properties previously owned by or leased to the United States and under Secretary of Defense Jurisdiction, as well as Munitions Response Areas (MRAs). The remediation of these properties is the responsibility of the Department of Defense. This data is provided by the U.S. Army Corps of Engineers (USACE), the boundaries/polygon data are based on preliminary findings and not all properties currently have polygon data available. **DISCLAIMER:** This data represents the results of data collection/processing for a specific USACE activity and is in no way to be considered comprehensive or to be used in any legal or official capacity as presented on this site. While the USACE has made a reasonable effort to

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insure the accuracy of the maps and associated data, it should be explicitly noted that USACE makes no warranty, representation or guaranty, either expressed or implied, as to the content, sequence, accuracy, timeliness or completeness of any of the data provided herein. For additional information on Formerly Used Defense Sites please contact the USACE Public Affairs Office at (202) 528-4285.

FUSRAP Formerly Utilized Sites Remedial Action Program

VERSION DATE: 03/04/17

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

HISTPST Historical Gas Stations

VERSION DATE: NR

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

HMIRS08 Hazardous Materials Incident Reporting System

VERSION DATE: 10/27/20

The HMIRS database contains unintentional hazardous materials release information reported to the U.S. Department of Transportation located in EPA Region 8. This region includes the following states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

HWCD Hazardous Waste Compliance Docket Facilities

VERSION DATE: 10/29/20

This list of the Federal Agency Hazardous Waste Compliance Docket Facilities is maintained by the United States Environmental Protection Agency (EPA). According to the EPA, Section 120(c) of CERCLA requires EPA to establish a listing, known as the Federal Facility Hazardous Waste Compliance Docket (Docket), of Federal facilities which are managing or have managed hazardous waste; or have had a release of hazardous waste. Thus, the Docket identifies all Federal facilities that must be evaluated to determine whether they pose a risk to human health and the environment and it makes this information available to the public. In order for the Docket to remain current and accurate it requires periodic updating.

ICIS Integrated Compliance Information System (formerly DOCKETS)

VERSION DATE: 09/19/20

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ICIS is a case activity tracking and management system for civil, judicial, and administrative federal Environmental Protection Agency enforcement cases. ICIS contains information on federal administrative and federal judicial cases under the following environmental statutes: the Clean Air Act, the Clean Water Act, the Resource Conservation and Recovery Act, the Emergency Planning and Community Right-to-Know Act - Section 313, the Toxic Substances Control Act, the Federal Insecticide, Fungicide, and Rodenticide Act, the Comprehensive Environmental Response, Compensation, and Liability Act, the Safe Drinking Water Act, and the Marine Protection, Research, and Sanctuaries Act.

ICISCLEANERS

Integrated Compliance Information System Drycleaners

VERSION DATE: 09/19/20

This is a listing of drycleaner facilities from the Integrated Compliance Information System (ICIS). The U.S. Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments. The following Primary SIC Codes are included in this data: 7211, 7212, 7213, 7215, 7216, 7217, 7218, and/or 7219; the following Primary NAICS Codes are included in this data: 812320, 812331, and/or 812332.

LUCIS

Land Use Control Information System

VERSION DATE: 09/01/06

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

MLTS

Material Licensing Tracking System

VERSION DATE: 06/29/17

MLTS is a list of approximately 8,100 sites which have or use radioactive materials subject to the United States Nuclear Regulatory Commission (NRC) licensing requirements. Disclaimer: Due to agency regulations and policies, this database contains applicant/licensee location information which may or may not be related to the physical location per MLTS site.

MRDS

Mineral Resource Data System

VERSION DATE: 03/15/16

MRDS (Mineral Resource Data System) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps. A few updates last occurred 2015 and early 2016 for select mine site area/s.

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MSHA Mine Safety and Health Administration Master Index File

VERSION DATE: 08/07/20

The Mine dataset lists all Coal and Metal/Non-Metal mines under MSHA's jurisdiction since 1/1/1970. It includes such information as the current status of each mine (Active, Abandoned, NonProducing, etc.), the current owner and operating company, commodity codes and physical attributes of the mine. Mine ID is the unique key for this data. This information is provided by the United States Department of Labor - Mine Safety and Health Administration (MSHA).

NLRRCRAC No Longer Regulated RCRA Corrective Action Facilities

VERSION DATE: 12/14/20

This database includes RCRA Corrective Action facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements.

NLRRCRAT No Longer Regulated RCRA Non-CORRACTS TSD Facilities

VERSION DATE: 12/14/20

This database includes RCRA Non-Corrective Action TSD facilities that are no longer regulated by the United States Environmental Protection Agency or do not meet other RCRA reporting requirements. This listing includes facilities that formerly treated, stored or disposed of hazardous waste.

NMS Former Military Nike Missile Sites

VERSION DATE: 12/01/84

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

NPL National Priorities List

VERSION DATE: 11/20/20

This database includes United States Environmental Protection Agency (EPA) National Priorities List sites that fall under the EPA's Superfund program, established to fund the cleanup of the most serious uncontrolled or

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abandoned hazardous waste sites identified for possible long-term remedial action.

ODI Open Dump Inventory

VERSION DATE: 06/01/85

The open dump inventory was published by the United States Environmental Protection Agency. An "open dump" is defined as a facility or site where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944) and which is not a facility for disposal of hazardous waste. This inventory has not been updated since June 1985.

PADS PCB Activity Database System

VERSION DATE: 11/19/20

PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of Polychlorinated Biphenyls (PCB) who are required to notify the U.S. Environmental Protection Agency of such activities.

PNPL Proposed National Priorities List

VERSION DATE: 11/20/20

This database contains sites proposed to be included on the National Priorities List (NPL) in the Federal Register. The United States Environmental Protection Agency investigates these sites to determine if they may present long-term threats to public health or the environment.

RCRAC Resource Conservation & Recovery Act - Corrective Action Facilities

VERSION DATE: 12/14/20

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities with corrective action activity.

RCRAGR08 Resource Conservation & Recovery Act - Generator

VERSION DATE: 12/14/20

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities currently generating hazardous waste. EPA Region 8 includes the following states: Colorado,

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Montana, North Dakota, South Dakota, Utah, and Wyoming.

RCRANGR08

Resource Conservation & Recovery Act - Non-Generator

VERSION DATE: 12/14/20

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities classified as non-generators. Non-Generators do not presently generate hazardous waste. EPA Region 8 includes the following states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

RCRASC

RCRA Sites with Controls

VERSION DATE: 02/02/21

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities with institutional controls in place.

RCRASUBC

Resource Conservation & Recovery Act - Subject to Corrective Action Facilities

VERSION DATE: 12/14/20

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities subject to corrective actions.

RCRAT

Resource Conservation & Recovery Act - Non-CORRACTS Treatment, Storage & Disposal Facilities

VERSION DATE: 12/14/20

The Resource Conservation and Recovery Act (RCRA) gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances. This listing refers to facilities recognized as hazardous waste treatment, storage, and disposal sites (TSD).

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RODS Record of Decision System

VERSION DATE: 09/21/20

These decision documents maintained by the United States Environmental Protection Agency describe the chosen remedy for NPL (Superfund) site remediation. They also include site history, site description, site characteristics, community participation, enforcement activities, past and present activities, contaminated media, the contaminants present, and scope and role of response action.

SEMS Superfund Enterprise Management System

VERSION DATE: 02/22/21

The U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation (OSRTI), has implemented The Superfund Enterprise Management System (SEMS), formerly known as CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) to track and report on clean-up and enforcement activities taking place at Superfund sites. SEMS represents a joint development and ongoing collaboration between Superfund's Remedial, Removal, Federal Facilities, Enforcement and Emergency Response programs.

SEMSARCH Superfund Enterprise Management System Archived Site Inventory

VERSION DATE: 11/20/20

The U.S. Environmental Protection Agency's (EPA) Superfund Enterprise Management System Archived Site Inventory (List 8R Archived) replaced the CERCLIS NFRAP reporting system in 2015. This listing reflects sites at which the EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program.

SEMCLIENS SEMS Lien on Property

VERSION DATE: 06/22/20

The U.S. Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response, Office of Superfund Remediation and Technology Innovation (OSRTI), has implemented The Superfund Enterprise Management System (SEMS), formerly known as CERCLIS (Comprehensive Environmental Response, Compensation and Liability Information System) to track and report on clean-up and enforcement activities taking place at Superfund sites. SEMS represents a joint development and ongoing collaboration between Superfund's Remedial, Removal, Federal Facilities, Enforcement and Emergency Response programs. This is a listing of SEMS sites with a lien on the property.

SFLIENS CERCLIS Liens

VERSION DATE: 06/08/12

A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which United States Environmental Protection Agency has spent Superfund monies. These monies are spent to investigate and

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address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties. This database contains those CERCLIS sites where the Lien on Property action is complete. Please refer to the SEMSLIENS database as source of current data.

SMCRA Surface Mining Control and Reclamation Act Sites

VERSION DATE: 12/18/20

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (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.

SSEHRIPFAS SSEHRI PFAS Contamination Sites

VERSION DATE: 12/12/19

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Please access the following source link for the most current information:
<https://pfasproject.com/pfas-contamination-site-tracker/>

SSTS Section Seven Tracking System

VERSION DATE: 08/04/20

The United States Environmental Protection Agency tracks information on pesticide establishments through the Section Seven Tracking System (SSTS). SSTS records the registration of new establishments and records pesticide production at each establishment. The Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) requires that production of pesticides or devices be conducted in a registered pesticide-producing or device-producing establishment. "Production" includes formulation, packaging, repackaging, and relabeling. For this database, the Product Information is only available for establishments up through 2014 or prior years, product details are no longer released by the EPA within the current SSTS non-Confidential Business Information data.

Environmental Records Definitions - FEDERAL

TSCA Toxic Substance Control Act Inventory

VERSION DATE: 12/31/16

The Toxic Substances Control Act (TSCA) was enacted in 1976 to ensure that chemicals manufactured, imported, processed, or distributed in commerce, or used or disposed of in the United States do not pose any unreasonable risks to human health or the environment. TSCA section 8(b) provides the United States Environmental Protection Agency (EPA) authority to "compile, keep current, and publish a list of each chemical substance that is manufactured or processed in the United States." This TSCA Chemical Substance Inventory contains non-confidential information on the production amount of toxic chemicals from each manufacturer and importer site. The EPA has collected Chemical Data Reporting (CDR) data since in 1986 (as Inventory Update Reporting). Collections occur approximately every four years and reporting requirements changed from collection to collection.

USUMTRCA Uranium Mill Tailings Radiation Control Act Sites

VERSION DATE: 03/04/17

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

Environmental Records Definitions - STATE (CO)

AST Aboveground Storage Tank Facilities

VERSION DATE: 01/04/21

This list of aboveground storage tank (AST) facilities is maintained by the Colorado Department of Public Health and Environment. Types of tanks included are: currently in use, never installed/existed, never installed-permit revoked, not regulated, other, pending installation, permanently closed, temporarily out of use.

BF Colorado Brownfield Sites

VERSION DATE: 11/12/20

This list of Colorado brownfields is maintained by the Colorado Department of Public Health & Environment (CDPHE) Hazardous Materials and Waste Management Division Brownfields Program in conjunction with the Voluntary Cleanup Program (VCUP). The brownfields database is an inventory of sites for which CPDHE has provided brownfields assistance in the form of targeted brownfields assessments, a revolving loan or grant through the Colorado Brownfields Revolving Loan Fund, and/or assistance through our state brownfields grants program. Most of these incentives are available only to local governments or nonprofits. In some cases, sites that receive state incentives also go through the VCUP program but most of the VCUP applicants are private entities not eligible for other state brownfields incentives.

CLEANERS Dry Cleaning Facilities

VERSION DATE: 10/27/20

This list of dry cleaners, which have obtained an air permit through the Air Pollution Control Division, is maintained by the Colorado Department of Public Health and Environment.

COVENANTS Environmental Real Covenants List

VERSION DATE: 11/23/20

This list of environmental covenants is maintained by the Colorado Division of Public Health and Environment. Senate Bill 01-145 gave authority to the Colorado Department of Public Health and Environment to approve requests to restrict the future use of a property using an enforceable agreement called an environmental covenant. These covenants, which are recorded with the deed and run with the land, provide a mechanism to ensure that institutional controls that are part of environmental remediation projects are properly implemented and that engineered structures are protected and maintained, so that implemented remedies continue to be protective of human health and the environment for as long as any residual contamination remains a risk.

HISTSWLF Historical Solid Waste Landfills

VERSION DATE: NR

This historical solid waste landfills database contains data from the Hazardous Materials Waste Management Division (HMWMD) of the Colorado Department of Public Health and other various state and local agencies. In the early 1980s, the HMWMD conducted a survey of staff members and local agencies to compile this listing of

Environmental Records Definitions - STATE (CO)

sites that were known or thought to have waste issues. This Solid Waste Historical Data is not considered complete or verifiable and has not been maintained since the late 1980s. The HMWMD is not responsible and shall not be liable to the used for damages of any kind arising out of the use of this data or information.

HWSCA Hazardous Waste Sites- Corrective Action

VERSION DATE: 06/30/03

The Resource Conservation and Recovery Act (RCRA) was enacted by Congress in 1976, followed by the promulgation of implementing regulations in 1980. In 1984, the Hazardous and Solid Waste Amendments (HSWA) were added to RCRA providing for corrective action at facilities subject to RCRA. That same year, the State was authorized by EPA to implement the RCRA program in Colorado on their behalf. Corrective action may be implemented as part of a RCRA Hazardous Waste Permit, an Order, or a Corrective Action Plan pursuant to the Colorado Hazardous Waste Regulations. Corrective action is the process by which regulated facilities investigate and remediate, as necessary, all contamination (soil, ground water, surface water, air) associated with their releases into the environment. Historic Corrective Action Sites are facilities that have completed the RCRA Subtitle C corrective Action process. This data was provided by the Colorado Department of Public Health and Environment in 2008, please contact the agency directly to verify current site details.

HWSG Hazardous Waste Sites- Generator

VERSION DATE: 06/30/03

The Resource Conservation and Recovery Act (RCRA) was enacted by congress in 1976, followed by the promulgation of implementing regulations in 1980. In 1984, the State was authorized by EPA to implement the RCRA program in Colorado on their behalf. This facility listing includes RCRA sites listed as generators of hazardous waste (Small Quantity Generators and Large Quantity Generators) and was provided by the Colorado Department of Public Health and Environment in 2008, please contact the agency directly to verify current site details.

Small Quantity Generators (SQG) generate, in any calendar month, more than 100 kg (220 lbs.) but less than 1,000 kg (2,200 lbs.) of RCRA hazardous waste; and generate, in any calendar month, or accumulate at any time, no more than 1 kg (2.2 lbs.) of acute hazardous waste and no more than 100 kg (220 lbs.) of material from the cleanup of a spill of acute hazardous waste; and accumulate on-site no more than 6000 kg (13,200 lbs) of hazardous waste at any one time; or, the site is a Small Quantity Generator if the site met all other criteria for a Conditionally Exempt Small Quantity Generator, but accumulated, at any time, more than 1,000 kg (2,200 lbs.) of RCRA hazardous waste.

Large Quantity Generators (LQG) generate, in any calendar month, 1,000 kg (2,200 lbs.) or more of RCRA hazardous waste; or generate, in any calendar month, or accumulated at any time, more than 1 kg (2.2 lbs.) of RCRA acute hazardous waste; or generate, in any calendar month, or accumulated at any time, more than 100 kg (220 lbs.) of spill cleanup material contaminated with RCRA acute hazardous waste.

HWSTSD Hazardous Waste Sites- Treatment, Storage & Disposal

VERSION DATE: 06/30/03

The Resource Conservation and Recovery Act (RCRA) was enacted by congress in 1976, followed by the

Environmental Records Definitions - STATE (CO)

promulgation of implementing regulations in 1980. In 1984, the State was authorized by EPA to implement the RCRA program in Colorado on their behalf. TSD facilities treat, store, dispose, or recycle hazardous waste on site in units and therefore are subject to RCRA permitting requirements. Historic TSDs are facilities that have completed closure and/or post-closure of the RCRA Subtitle C Regulated Unit(s) or the Treatment/Storage/Disposal Unit is no longer regulated. This database was provided by the Colorado Department of Public Health and Environment in 2008, please contact the agency directly to verify current site details.

LST Leaking Storage Tank Facilities

VERSION DATE: 02/11/21

This database of aboveground and underground storage tank facilities with confirmed releases is a compilation of several lists maintained by the Colorado Department of Labor and Employment. Currently In Use, Never Installed/Existed, Never Installed-Permit Revoked, Not Regulated, Other, Pending Installation, Permanently Closed, Temporarily Out of Use tanks are included in this data. The next set of data is obtained from the Active and Closed OPS Petroleum Release Events in Colorado database. This data includes the OPS Open Event locations, but also shows locations of closed events (releases that have been issued a No Further Action determination). The Events data utilized in this database includes the following status types: Brownfield, Closed, Enforcement, LUST Trust, Open and State Lead. Please note some Events (confirmed releases) may not have a contaminant present.

METHANESITES Methane Gas Study Sites

VERSION DATE: 01/01/81

This Investigation of Methane Gas Hazards report was prepared by the Denver Office of Emergency Preparedness in 1981. The purpose of this study was to assess the actual and potential generation, migration, explosive and related problems associated with specified landfills, and to identify existing and potential problems, suggested strategies to prevent, abate, and control such problems and recommend investigative and monitoring functions as may be deemed necessary. The Colorado Department of Health selected eight landfills as priorities due to population density and potential hazards to population and property.

RECYCLERS Registered Recycling Facilities

VERSION DATE: 09/01/19

This list of registered recycling facilities in Colorado is maintained by the Colorado Department of Public Health & Environment. This list includes primarily processing facilities for recyclable materials, such as: material recovery facilities, industrial recycling operations, and recyclable material end user sites. Collection centers/drop-off locations are not included unless the site is also processing recyclable materials (separating, sorting, dismantling, grinding, baling, etc.).

SF Superfund Sites

VERSION DATE: 12/10/20

Environmental Records Definitions - STATE (CO)

This list of Superfund Sites is maintained by the Colorado Department of Public Health and Environment. This list contains active, deleted and proposed "Superfund" hazardous waste sites, as well as those sites identified through the Natural Resource Damages section of Superfund legislation and one Private Non-Superfund Cleanup site. A site qualifies for the National Priorities List (NPL or Superfund list) when the U.S. Environmental Protection Agency (EPA) determines there is a release or threatened release of hazardous substances that may endanger public health, welfare or the environment. In Colorado, the lead agency for Superfund remediation may be either the EPA or the Colorado Department of Public Health and Environment.

SPILLS Spills Listing

VERSION DATE: 11/30/20

The Colorado Department of Public Health and Environment's Division of Emergency Preparedness and Response maintains this listing of chemical spills and/or releases.

SWF Solid Waste Facilities

VERSION DATE: 09/11/20

The Colorado Department of Public Health and Environment maintains this database of solid waste disposal facilities, transfer stations, recyclers, waste tire registrants, and waste grease registrants.

UMTS Uranium Mill Tailings Sites

VERSION DATE: 08/09/02

There were nine uranium mill tailings sites in Colorado designated for cleanup under the federal Uranium Mill Tailings Radiation Control Act (UMTRA). These nine sites, know commonly as UMTRA sites, were remediated jointly by the State of Colorado and the U.S. Department of Energy during the late 1980's and early 1990's. Mill tailings were removed from 8 of the mill sites and relocated in engineered disposal cells. A disposal cell is designed to encapsulate the material, reduce radon emanation, and prevent the movement of water through the material. At one site, Maybell, CO, the tailings were stabilized in-place at the mill site. After remediation of the tailings was completed, the State and DOE began to investigate the residual impacts to groundwater at the mill sites. The groundwater phase of the UMTRA program is on-going. This database was provided by the Colorado Department of Public Health and Environment in 2008, please contact the agency directly to verify current site details.

UST Underground Storage Tank Facilities

VERSION DATE: 01/04/21

This list of underground storage tank (UST) facilities is maintained by the Colorado Department of Public Health and Environment. Types of tanks included are: currently in use, never installed/existed, never installed-permit revoked, not regulated, other, pending installation, permanently closed, temporarily out of use.

Environmental Records Definitions - STATE (CO)

VCRA Voluntary Cleanup and Redevelopment Program Sites

VERSION DATE: 02/12/21

This list of Voluntary Cleanup and Redevelopment Program Sites is maintained by the Colorado Department of Public Health and Environment (CDPHE) and includes both voluntary cleanup and brownfield properties. The Voluntary Cleanup and Redevelopment program was created in 1994. The objective of the program is to facilitate the redevelopment and transfer of contaminated properties. Properties that sit untouched because of their real or perceived contamination can be rehabilitated using the CDPHE's Brownfields Program in conjunction with the Voluntary Cleanup Program. Cleanup decisions are based on existing standards and the proposed use of the property. The actual cleanup and verification is the owner's responsibility.

Environmental Records Definitions - LOCAL

DCTTLF Douglas County Trash Transfer and Landfills

VERSION DATE: 08/09/19

This list of landfills and trash transfer sites is maintained by the Douglas County Colorado Land Management and Development Department.

TCHDHISTLF Tri-County Historic Landfills

VERSION DATE: 09/30/15

This historic landfill database is provided by the Tri-County Health Department (TCHD). The TCHD serves Adams, Arapahoe and Douglas Counties. According to the TCHD, municipal landfills built prior to modern construction practices often were not built to properly vent landfill gas that builds up when the buried waste breaks down. This lack of proper venting can cause methane to build up and travel the path of least resistance to migrate through the soil, leading to potential explosive conditions. When excavating soils for building near an old landfill there is a potential for methane gas to migrate to the disturbed soils. Disclaimer: This database may not include all landfills as visible through the TCHD's online viewer. Please access the agency's Historic Landfills Searchable Map viewer for complete information: <https://www.tchd.org/284/Landfills-Solid-Waste>

Environmental Records Definitions - TRIBAL

INDIANRES

Indian Reservations

VERSION DATE: 09/27/17

This database is extracted from select geographic and cartographic information from the U.S. Census Bureau. The Bureau of Indian Affairs (BIA) within the U.S. Department of the Interior (DOI) provides the list of federally recognized tribes. The American Indian/Alaska Native/Native Hawaiian (AIANNH) Areas includes the following legal entities: federally recognized American Indian reservations and off-reservation trust land areas, state-recognized American Indian reservations, and Hawaiian home lands (HHLs). The boundaries for federally recognized American Indian reservations and off-reservation trust lands are as of January 2017. The boundaries for state-recognized American Indian reservations and for state designated tribal statistical areas were delineated by state governor-appointed liaisons for the 2010 Census through the State American Indian Reservation Program and Tribal Statistical Areas Program respectively.

LUSTR08

Leaking Underground Storage Tanks On Tribal Lands

VERSION DATE: 10/09/20

This database, provided by the United States Environmental Protection Agency (EPA), contains leaking underground storage tanks on Tribal lands located in EPA Region 8. This region includes the following states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

ODINDIAN

Open Dump Inventory on Tribal Lands

VERSION DATE: 11/08/06

This Indian Health Service database contains information about facilities and sites on tribal lands where solid waste is disposed of, which are not sanitary landfills or hazardous waste disposal facilities, and which meet the criteria promulgated under section 4004 of the Solid Waste Disposal Act (42 U.S.C. 6944).

USTR08

Underground Storage Tanks On Tribal Lands

VERSION DATE: 04/14/20

This database, provided by the United States Environmental Protection Agency (EPA), contains underground storage tanks on Tribal lands located in EPA Region 8. This region includes the following states: Colorado, Montana, North Dakota, South Dakota, Utah, and Wyoming.

**APPENDIX E
CREDENTIALS**

Jeffrey D. Attig

ASSISTANT PROJECT MANAGER

PROFESSIONAL EXPERIENCE

Mr. Attig is an Assistant Project Manager in Terracon's Denver, Colorado office and supports the Environmental Remediation, vapor mitigation, and Environmental Assessment groups. He possesses over 9 years of environmental consulting and remediation experience, performing a wide range of technical and operational tasks for numerous project sites at varying stages in the regulatory and remedial process. His responsibilities include project management and field work involving site reconnaissance, site research, regulatory research, soil vapor sampling, soil and groundwater sampling, aquifer testing, regulatory interpretations, data analysis, and report and proposal preparation. Mr. Attig has managed and conducted Phase I and Phase II Environmental Site Assessments (per ASTM E1527-13 guidance) on commercial and industrial properties, including on-site reconnaissance and thorough site history investigation.

PROJECT EXPERIENCE

**Indicates projects completed before joining Terracon*

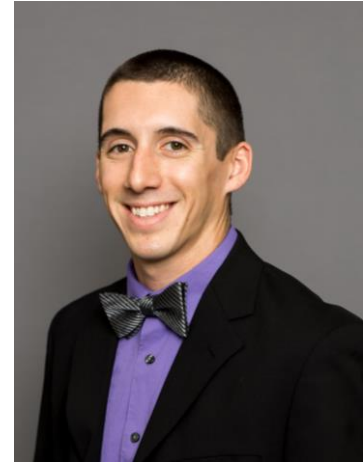
Colorado Department of Public Health and Environment – PFAS Testing of Public Water System Entry Points and Sources – State of Colorado

Mr. Attig served as the local field lead for the preparation, sample collection, and laboratory submittal for the Colorado Department of Public Health and Environment (CDPHE) effort to test public drinking water entry points and sources, fire departments, and surface water bodies for selected per- and polyfluoroalkyl substances (PFAS), an emerging contaminant of concern nationwide. Mr. Attig worked with local Eurofins TestAmerica personnel for specialized laboratory needs and coordinated with nearly 200 water suppliers and other entities to facilitate sample collection. Due to COVID-19 related restrictions, shipping of sample kits and samples collected by water suppliers became necessary for much of the project. Mr. Attig worked with the laboratory, shipping vendors, and water supply personnel to complete sampling of systems in restricted areas on time. Terracon collected over 800 samples from 458 entities and delivered the laboratory analytical data to CDPHE to distribute to water systems.

Colorado Department of Transportation Former Union Pacific Railroad Yard Due Diligence – Denver, CO

Mr. Attig served as a field scientist for the environmental due diligence of the former rail yard on behalf of the Colorado Department of Transportation (CDOT) for potential property purchase and redevelopment. The project included a Phase I Environmental Site Assessment (ESA) and Limited Site Investigation (LSI) of the 60-acre property that was continuously used for a rail maintenance and repair facility from 1871 through 2016. The Phase I identified multiple Recognized Environmental Conditions (RECs) associated with the historical onsite activities and several historical upgradient offsite releases.

The LSI strategy was designed to efficiently assess the multiple known and potentially unknown releases. The initial phase of the subsurface assessment was drilling and in-situ data collection from a series of high-resolution site characterization (HRSC) transects. The HRSC technologies used for the assessment were a combination of



EDUCATION

Bachelor of Science, Environmental Resource Management, The Pennsylvania State University, 2011

CERTIFICATIONS

OSHA HAZWOPER 40 Hour Certification

Asbestos Building Inspector – CDPHE Certification No. 25279

Air Monitoring Specialist 32 Hour Certification

NIOSH 582e 8 Hour Class

Geo-Seal Vapor Barrier Certified Inspector

WORK HISTORY

Terracon Consultants, Inc., Assistant Project Manager – 2020-present

Terracon Consultants, Inc., Senior Staff Scientist – 2019-2020

Terracon Consultants, Inc., Staff Environmental Scientist – 2016-2019

Letterle & Associates, Inc., Staff Scientist – 2012-2015

Jeffrey D. Attig (continued)

membrane interface hydraulic profiling tool (MiHPT) and ultra-violet optical image hydraulic profiling tool (OiHPT) at more than 130 locations to identify petroleum and volatile organic compound in the soil and groundwater. The HRSC was followed by collecting 74 soil and 21 groundwater samples to correlate the in-situ HRSC data. Mr. Attig lead the correlation field sampling effort.

Former Denver Post Facility VCP Application and Implementation – Denver, CO

Mr. Attig is the project manager for the development of the Voluntary Cleanup Program (VCP) Application, associated remedial action plan (RAP), and the implementation of the VCP at the redevelopment of the former Denver Post printing facility in north Denver for multiple commercial and residential uses. The RAP was for confirmation of excavation and offsite disposal of contaminated soil associated with the historical onsite brick plant.

Schomp Mazda VCP Application and Implementation – Aurora, CO

Mr. Attig is the project manager for the development of the Voluntary Cleanup Program (VCP) Application, associated remedial action plan (RAP), and the implementation of the VCP at the redevelopment of an existing automotive dealership facility. The RAP is for design and installation oversight of a vapor barrier and passive vapor mitigation system on newly constructed sales and service structures. He also developed and tracked the eligible remediation fees for the VCP tax credit.

Missoula White Pine Sash Facility – Missoula, MT

Mr. Attig provided site reconnaissance and field engineering services for a project in Missoula, Montana involving post-Record of Decision (ROD) site characterization, remedial design, and remedy implementation services for a former wood processing facility under the State Superfund (CECRA) program. Mr. Attig conducted a stepwise sampling and analysis approach during dioxin soils characterization that reduced the analytical costs and need for offsite disposal and remediation, saving the client time and money. Mr. Attig performed field drilling oversight and conducted multiple rounds of soil sampling to evaluate the extent of shallow and deep subsurface pentachlorophenol and dioxin impacts, facilitating the development of a viable remediation work plan for the historic wood treatment area. He also provides significant support for Terracon's reporting to the client and the Montana Department of Environmental Quality, including the semi-annual groundwater monitoring report and preparation of the characterization and remediation work plans.

Proposed Jefferson Parkway – Jefferson County, CO

Mr. Attig served as field supervisor and coordinated with various subcontractors during environmental assessment activities along the proposed alignment of a design-build roadway construction project. He oversaw soil boring advancement and groundwater monitoring well installation, and collected soil and groundwater samples for chemical analysis. Mr. Attig also lead the field crew during location mark out and collection of approximately 250 surface soil samples for radionuclide analysis.

Phase I Environmental Site Assessments (ESAs) – CO, PA*

Mr. Attig has performed ESAs nationwide including gas stations, commercial properties, office and residential buildings, retail properties, and industrial facilities. The Phase I ESAs have been performed in accordance with the industry-recognized ASTM E 1527-13, AAI, and client-specific protocols, and Mr. Attig meets the definition of an Environmental Professional as defined in 40 CFR Part 312.10.

Jeffrey D. Attig (continued)

Phase II Subsurface Investigations – Various Locations

Mr. Attig has planned and conducted numerous surface and subsurface investigations. Responsibilities included health and safety compliance, subcontractor management, research, site inspections, oversight of drilling operations and excavations, soil and groundwater sampling, data interpretation, and regulatory reporting. Project interactions included: clients, lenders, contractors, project managers, the general public, and local, state and federal regulatory agencies.

Petroleum and Storage Tank Investigations – CO, PA*, NY*, WV*

Mr. Attig has coordinated excavation efforts, collected and catalogued soil samples, collected groundwater samples, and installed groundwater monitor wells for leaking underground storage tank investigations and removals. As site supervisor, Mr. Attig oversaw removal of USTs ranging from 500-gallon to 12,000-gallon capacity, remedial excavations, installation of soil borings and monitoring wells during site redevelopment activities, and collection of soil characterization data. Directed subcontractor during post-UST removal compliance soil sampling in accordance with state-specific soil screening and sampling regulations. Documented UST and soil conditions to evaluate for any release reporting conditions.

70-Acre Former Rail Facility Characterization – Renovo, PA*

Mr. Attig served as the staff and field scientist for a geophysical survey using ground penetrating radar, X-ray fluorescence, and electromagnetic equipment to determine representative and safe placement of over 100 soil boring locations and oversaw the subsurface investigation crew throughout the advancement of the soil borings. Mr. Attig provided identification of subsurface features, logged soil borings using the Unified Soil Classification System (USCS), completed field screening to delineate the extent of metals, chlorinated solvent, petroleum, and volatile/semi-volatile organic compound impacts, and prepared boring logs based on photo-ionization detector readings and field observations. Efficient workflow and team communication allowed for the field portion of the project to be completed over one week ahead of schedule.

Wood Products Manufacturing Landfill and Waste Treatment Facility – Towanda, PA*

Mr. Attig served as the staff and field scientist for permit-required sampling and reporting for a large wood products manufacturing facility. He conducted quarterly groundwater sampling required by permits for the facility's waste ash landfill and industrial wastewater spray irrigation treatment systems, coordinating with the client and analytical laboratory to ensure correct and timely sampling and analysis. Mr. Attig interpreted groundwater analytical and physical data for yearly reporting to the Pennsylvania Department of Environmental Protection (PADEP), while updating the client on a quarterly basis. In addition, Mr. Attig served as the main point of contact with the client and PADEP concerning permitting renewals/requirements and project scheduling and budgeting.

Darren Bruns, MBA

SENIOR CLIENT DEVELOPMENT MANAGER / PRINCIPAL

Phone Number: (720) 545-5807

Email Address: Darren.Bruns@terracon.com

CLIENT DEVELOPMENT

Leads all aspects of client development in Terracon's Denver, Colorado Springs, Longmont, Fort Collins, Greeley, Colorado Offices and Cheyenne, Wyoming Office.

Client Development from cradle-to-grave. Mr. Bruns believes in the idea of Connection + Value = Mutual Success. Mr. Bruns has an excellent understanding of how a project evolves: due diligence on the land, closing on the land, pre-design, design and budgeting, construction and close-out.

- Development of the client into Terracon's culture (on-boarding) with a strong emphasis on trust.
- High levels of communication during negotiation of terms and conditions, including negotiation of fees.
- Assisting Terracon's project managers, administration and financial/accounting teams in managing the client's expectations while at the same time managing Terracon's liability.
- Maintaining contact with the client after project completion for the purposes of pride in the work, potential future work with the client and potential for referrals for future work.
- Debriefing the client on Terracon's services for the purposes of enhancing Terracon's services.

Responsible for approximately \$4MM of Terracon's Denver Office's \$12MM in annual revenue. Responsible for approximately \$6MM in Terracon revenue annually.

Manages two Terracon National Accounts with project work outside of Colorado and Wyoming, Prologis and William Warren Group with annual revenues exceeding \$1.3MM.

Program manager for two federal contracts with the Bureau of Land Management, both the small business and large business indefinite delivery/indefinite quantity (IDIQs), and the Food and Drug Administration campus redevelopment in Puerto Rico. Great understanding on the procedures for federal procurement. Contract value for these projects is greater \$800k.

Responsible for client development presentations for the Denver office. Responsible for both presenting and preparing (including presentation writing and review) the project managers for educational presentations to clients.

NETWORK

A large network that includes owners, developers, owner's representatives, general contractors, architects, lending institutions, investors, civil engineers, structural engineers, mechanical/electrical/plumbing firms, client development managers from multiple disciplines, property management firms, and large architectural and engineering firms (e.g. WSP, Matrix Design, AECOM, Black & Veatch, Short Elliot Hendrickson, etc.)

A sample of some of the strong relationships with key firms locally and nationally:

WSP/PB	Short Elliott Hendrickson	Mortenson
PCL Construction	Kiewit Building Group	Turner Construction
McCarthy Building Companies	Swinerton Builders	Wilson & Co.
Gensler	HOK	Weitz Construction
Kimley-Horn	RNL Architecture	Fentress Architecture



EDUCATION

Master's in Business Administration, University of Phoenix, 2003, Houston Campus, Texas

Bachelor of General Studies, Environmental Studies, University of Kansas, 2001, Lawrence, Kansas

Associates Degree in Biology, Kansas City of Kansas Community College, Leavenworth, Kansas

WORK HISTORY

Terracon Office Client Development Manager 2012 to Present

Terracon Office Client Development Specialist 2011 to 2012

Terracon Construction Materials Testing Department Client Development Specialist 2009 to 2011

Terracon Environmental Project Manager 2008 to 2009

Terracon Environmental Staff Professional 2005 to 2008

Crest Oil & Gas, LTD 2001 to 2005 (Geology / Geophysics / Reservoir Economics / Investor Relations)

Regular member of nine networking/lead generation groups in Denver.

Member of the Denver's chapter of Urban Land Institute and regularly attends NAIOP events, SMPS events, CREW (moderator of panelists), Downtown Denver Partnership Events, and Denver Mental Health events.

Enjoys public speaking and communication training within and outside of Terracon.

LEADERSHIP AND STRATEGIC PLANNING

Member of Terracon's Client Development Leadership Team (CDLT). The CDLT is a 18 member team consisting of the members of Terracon's Board of Directors (CEO, CAO and COO), Operation Managers, Terracon's Director of Marketing and Communications, and Terracon's Director of Client Development. The CDLT's task is to change Terracon's culture as it relates to client development. The team's ultimate task is to first change the mindset of the firm, provide the toolsets (training) for the employee-owners that will ultimately develop the employee-owners skillset in client development.

Leads Terracon's Western Operating Group (WOG) monthly Business Development and Marketing call (15 attendee's). The purpose of the call is to coordinate, collaborate and use the combined knowledge of the Business Development and Marketing personnel in the west to improve Terracon's capture success. The call has also served to integrate the Business Development and Marketing staff from five acquired firms into Terracon's culture. The relationship strengthening between the personnel in the offices and collaboration has already produced new clients and intelligence on large projects in the WOG

Served as a member of Terracon's Measuring Sales Effectiveness and Results 100-day team and the WOG's Federal Sector 100-day team.

Received his certification in Terracon's Office Leadership program. The Office Leadership program is a nine month-long program that includes successful completion of office leadership practices in financials, coaching, client development, operations management and planning.

Terracon Authorized Project Reviewer (APR). An APR is responsible for managing Terracon's Risk Management Policies, reviewing the technical and quality aspects of certain scopes of work and reviewing and assisting in negotiating terms and conditions with Terracon's clients.

MAJOR PURSUITS AND CAPTURE PLANNING

Successfully completed Terracon's Major Pursuits Training class and Advanced Major Pursuits class. One of the three Advanced Major Pursuit Champions in Terracon's WOG. Excellent at capture planning, positioning, proposal preparation, presentation preparation and debrief analysis. Major Pursuits at Terracon are defined as those projects requiring capture planning for fees in excess of \$500k. Some projects include:

- The Veterans Administration Medical Replacement Facility - \$5.6MM in Materials Testing and Special Inspections
- City and County of Denver Brownfields and Remediation Contract - \$1MM in Environmental Engineering
- Denver International Airport Geotechnical On-Call - \$5MM in Geotechnical Engineering
- St. Anthony's Hospital Redevelopment with Enviro Finance Group - \$700K in Environmental, Geotechnical and Materials Testing and Special Inspections.
- Skyhouse Denver - \$600k in Environmental, Geotechnical and Materials Testing and Special Inspections.
- Gates redevelopment – fees to be greater than \$500k in Geotechnical and Materials Testing and Special Inspections

TECHNICAL BACKGROUND 2005 TO PRESENT

Conducted over 600 Phase I Environmental Site Assessments (ESAs) (property transaction reports and over 900 National Environmental Policy Act (NEPA) Categorical Exclusion Reports.

Managed and coordinated over 500 telecommunication environmental and geotechnical projects in New Mexico, Utah, Arizona, Colorado, California, Nevada, Montana, Kansas, Nebraska, and Wyoming.

Phase II ESA work included quarterly groundwater monitoring, soil sampling, and well installation. Collected soil samples via hand auger, geoprobe, and hollow/solid stem auger methods.

Conducted numerous radon testing events, lead-based paint screens, and asbestos surveys and limited asbestos sampling events in the



Denver metropolitan area.

Proficient in ASTM 1527-13, ASTM 1528-14, the National Environmental Policy Act, and the Endangered Species Act.

GEOLOGICAL, GEOPHYSICAL TECHNICIAN, AND INVESTOR RELATIONS AT CREST OIL & GAS, LIMITED (AKA CREST ENERGY)

Responsible for wildcat drilling program in northern California, including existing well log interpretation and cross-section analysis, 2D and 3D seismic interpretation, estimated reservoir yields, and well location database (Colusa, Butte, Yolo, Glenn, Sutter, San Joaquin, and Tehama counties).

Successfully produced over 5 million cubic feet (MCF) of natural gas for Crest's investors (approximately \$4MM in revenue).

Drafted the firm's bi-annual prospectus for 2002, 2003, and 2004, which outlined the next year's drilling prospects, the calculated reserves in the firm's existing reservoirs, changes to the price of natural gas and the anticipated price for the next six months for the firm's investors. Solicited funds for the subsequent drilling program approximately one month after the prospectus was delivered.

APPENDIX F
DESCRIPTION OF TERMS AND ACRONYMS

Description of Selected General Terms and Acronyms

Term/Acronym	Description
ACM	<p>Asbestos Containing Material. Asbestos is a naturally occurring mineral, three varieties of which (chrysotile, amosite, crocidolite) have been commonly used as fireproofing or binding agents in construction materials. Exposure to asbestos, as well as ACM, has been documented to cause lung diseases including asbestosis (scarring of the lung), lung cancer and mesothelioma (a cancer of the lung lining).</p> <p>Regulatory agencies have generally defined ACM as a material containing greater than one (1) percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependent upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable.</p> <p>Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM is likely to be disturbed or damaged during the demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.</p>
AHERA	Asbestos Hazard Emergency Response Act
AST	Aboveground Storage Tanks. ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.
BGS	Below Ground Surface
Brownfields	State and/or tribal listing of Brownfield properties addressed by Cooperative Agreement Recipients or Targeted Brownfields Assessments.
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes. BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentially responsible parties for cleanup-related costs.
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System. An EPA compilation of sites having suspected or actual releases of hazardous substances to the environment. CERCLIS also contains information on site inspections, preliminary assessments and remediation of hazardous waste sites. These sites are typically reported to EPA by states and municipalities or by third parties pursuant to CERCLA Section 103.
CESQG	Conditionally Exempt Small Quantity Generators
CFR	Code of Federal Regulations

Description of Selected General Terms and Acronyms

Term/Acronym	Description
CREC	Controlled Recognized Environmental Condition is defined in ASTM E1527-13 as “a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority) , with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). A condition considered by the environmental professional to be a controlled recognized environmental condition shall be listed in the findings section of the Phase I Environmental Site Assessment report, and as a recognized environmental condition in the conclusions section of the Phase I Environmental Site Assessment report.”
DOT	U.S. Department of Transportation
EPA	U.S. Environmental Protection Agency
ERNS	Emergency Response Notification System. An EPA-maintained federal database which stores information on notifications of oil discharges and hazardous substance releases in quantities greater than the applicable reportable quantity under CERCLA. ERNS is a cooperative data-sharing effort between EPA, DOT, and the National Response Center.
ESA	Environmental Site Assessment
FRP	Fiberglass Reinforced Plastic
Hazardous Substance	As defined under CERCLA, this is (A) any substance designated pursuant to section 1321(b)(2)(A) of Title 33, (B) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title; (C) any hazardous waste having characteristics identified under or listed pursuant to section 3001 of the Solid Waste Disposal Act (with some exclusions); (D) any toxic pollutant listed under section 1317(a) of Title 33; (E) any hazardous air pollutant listed under section 112 of the Clean Air Act; and (F) any imminently hazardous chemical substance or mixture with respect to which the EPA Administrator has taken action under section 2606 of Title 15. This term does not include petroleum, including crude oil or any fraction thereof which is not otherwise listed as a hazardous substance under subparagraphs (A) through (F) above, and the term include natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas).
Hazardous Waste	This is defined as having characteristics identified or listed under section 3001 of the Solid Waste Disposal Act (with some exceptions). RCRA, as amended by the Solid Waste Disposal Act of 1980, defines this term as a “solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may (A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed.”
HREC	Historical Recognized Environmental Condition is defined in ASTM E1527-13 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 or meeting unrestricted residential use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). Before calling the past release a historical recognized environmental condition, the environmental professional must determine whether the past release is a recognized environmental condition at the time of the Phase I Environmental Site Assessment is conducted (for example, if there has been a change in the regulatory criteria). If the EP considers the past release to be a recognized environmental condition at the time the Phase I ESA is conducted, the condition shall be included in the conclusions section of the report as a recognized environmental condition.”

Description of Selected General Terms and Acronyms

Term/Acronym	Description
IC/EC	A listing of sites with institutional and/or engineering controls in place. IC 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. EC 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.
ILP	Innocent Landowner/Operator Program
LQG	Large Quantity Generators
LUST	Leaking Underground Storage Tank. This is a federal term set forth under RCRA for leaking USTs. Some states also utilize this term.
MCL	Maximum Contaminant Level. This Safe Drinking Water concept (and also used by many states as a ground water cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.
MSDS	Material Safety Data Sheets. Written/printed forms prepared by chemical manufacturers, importers and employers which identify the physical and chemical traits of hazardous chemicals under OSHA's Hazard Communication Standard.
NESHAP	National Emissions Standard for Hazardous Air Pollutants (Federal Clean Air Act). This part of the Clean Air Act regulates emissions of hazardous air pollutants.
NFRAP	Facilities where there is "No Further Remedial Action Planned," as more particularly described under the Records Review section of this report.
NOV	Notice of Violation. A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.
NPDES	National Pollutant Discharge Elimination System (Clean Water Act). The federal permit system for discharges of polluted water.
NPL	The NPL is the EPA's database of uncontrolled or abandoned hazardous waste facilities that have been listed for priority remedial actions under the Superfund Program.
OSHA	Occupational Safety and Health Administration or Occupational Safety and Health Act
PACM	Presumed Asbestos-Containing Material. A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.
PCB	Polychlorinated Biphenyl. A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment; however, some of this equipment may still be in use today.
pCi/L	picoCuries per Liter of Air. Unit of measurement for Radon and similar radioactive materials.
PLM	Polarized Light Microscopy (see ACM section of the report, if included in the scope of services)
PST	Petroleum Storage Tank. An AST or UST that contains a petroleum product.

Description of Selected General Terms and Acronyms

Term/Acronym	Description
Radon	A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in picoCuries per Liter of Air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and ground water. The EPA recommended annual average indoor "action level" concentration for residential structures is 4.0 pCi/l.
RCRA	Resource Conservation and Recovery Act. Federal act regulating solid and hazardous wastes from point of generation to time of disposal ('cradle to grave"). 42 U.S.C. 6901 et seq.
RCRA Generators	The RCRA Generators database, maintained by the EPA, lists facilities that generate hazardous waste as part of their normal business practices. Generators are listed as either large (LQG), small (SQG), or conditionally exempt (CESQG). LQG produce at least 1000 kg/month of non-acutely hazardous waste or 1 kg/month of acutely hazardous waste. SQG produce 100-1000 kg/month of non-acutely hazardous waste. CESQG are those that generate less than 100 kg/month of non-acutely hazardous waste.
RCRA CORRACTS/TS Ds	The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials which are undergoing "corrective action". A "corrective action" order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.
RCRA Non-CORRACTS/TS Ds	The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities which report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.
RCRA Violators List	RAATS. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.
RCRIS	Resource Conservation and Recovery Information System, as defined in the Records Review section of this report.
REC	Recognized Environmental Conditions are defined by ASTM E1527-13 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. De minimis conditions are not recognized environmental conditions."
SCL	State "CERCLIS" List (see SPL /State Priority List, below).
SPCC	Spill Prevention, Control and Countermeasures. SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.
SPL	State Priority List. State list of confirmed sites having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as a State "CERCLIS" List.
SQG	Small Quantity Generator
SWF/LF	State and/or Tribal database of Solid Waste/Landfill facilities. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.
TPH	Total Petroleum Hydrocarbons
TRI	Toxic Release Inventory. Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.

Description of Selected General Terms and Acronyms

Term/Acronym	Description
TSCA	Toxic Substances Control Act. A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.
USACE	United States Army Corps of Engineers
USC	United States Code
USGS	United States Geological Survey
USNRCS	United States Department of Agriculture-Natural Resource Conservation Service
UST	Underground Storage Tank. Most federal and state regulations, as well as ASTM E1527-13, define this as any tank, incl., underground piping connected to the tank, that is or has been used to contain hazardous substances or petroleum products and the volume of which is 10% or more beneath the surface of the ground (i.e., buried).
VCP	State and/or Tribal facilities included as Voluntary Cleanup Program sites.
VOC	Volatile Organic Compound
Wetlands	<p>Areas that are typically saturated with surface or ground water that creates an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The <u>Corps of Engineers Wetlands Delineation Manual</u> (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present.</p> <p>The federal Clean Water Act which regulates “waters of the US,” also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/ foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U. S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.</p>

