



PHASE I ENVIRONMENTAL SITE ASSESSMENT

**Helena Harbor Site Certification
Arkansas Highway 20 Spur and Phillips Road 422
Helena, Arkansas**

Prepared for:

**Electric Cooperatives of Arkansas
Little Rock, Arkansas**

Prepared by:

**Geotechnology, Inc.
Memphis, Tennessee**

Report Date:

April 15, 2021, Revised April 20, 2021

Geotechnology Project No.:

J034421.01

SAFETY
QUALITY
INTEGRITY
PARTNERSHIP
OPPORTUNITY
RESPONSIVENESS



April 15, 2021

Mr. J.D. Lowery
Manager- Community & Economic Development
Electric Cooperatives of Arkansas
One Cooperative Way
Little Rock, Arkansas 72209

Re: Phase I Environmental Site Assessment
Helena Harbor Site Certification
Arkansas Highway 20 Spur and Phillips Road 422
Helena, Arkansas
Geotechnology Project No. J034421.01

Dear Mr. Lowery:

In accordance with our Proposal No. P034421.01, dated February 5, 2021, Geotechnology, Inc. (Geotechnology) has performed a Phase I Environmental Site Assessment (ESA) of the referenced property. We urge you to read the entire report and to contact the undersigned with any questions or concerns you may have about it.

A Phase I ESA comprises a number of individual elements, the basic nature and extent of which are determined in accordance with the standard of care applicable to Phase I ESAs. The standard of care is commonly defined as the care applied by the ordinary practitioner at the time and in the area where the ESA was performed. We believe that we have complied with the applicable standard of care.

The accompanying report is an instrument of service of Geotechnology. The report summarizes our findings and relates our opinions with respect to the potential for hazardous materials to exist at the property at levels likely to warrant mitigation pursuant to current regulatory guidelines. Note that our findings and opinions are based on information that we obtained on given dates, through records review, property reconnaissance, interviews and related activities. It is possible that other information exists or subsequently has become known, just as it is possible for conditions we observed to have changed after our observation. For these and associated reasons, Geotechnology and many of its peers routinely advise clients for ESA services that it would be a mistake to place unmerited faith in findings and opinions conveyed via ESA reports. Geotechnology cannot under any circumstances warrant or guarantee that not finding indicators of hazardous materials means that hazardous materials do not exist on the subject property. Additional research, including invasive testing, can reduce your risks, but no techniques now commonly employed can eliminate these risks altogether. Geotechnology will be pleased to provide more information in this regard.



We appreciate the opportunity to be of assistance. Please contact the undersigned if you have any questions.

Very truly yours,

GEOTECHNOLOGY, INC.

A handwritten signature in blue ink that reads "Cody J. Flynn". The signature is written in a cursive, flowing style.

Cody J. Flynn
Senior Wetlands Scientist

RGH/DTK/MSR:cjf/jsj

Copies Submitted: (1 PDF)



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GLOSSARY OF ENVIRONMENTAL ACRONYMS

AAI - All Appropriate Inquiry
ADEQ - Arkansas Department of Environmental Quality (ADEQ)
AST - Aboveground Storage Tank
ASTM - American Society for Testing and Materials
AUL - Activity and Use Limitations
BLS - Below Land Surface
CERCLA - Comprehensive Environmental Response, Compensation and Liability Act
CERCLIS - Comprehensive Environmental Response, Compensation and Liability Information System
COC - Chemicals of Concern
CREC - Controlled Recognized Environmental Condition
CORRACTS - Corrective Action Report
DRO - Diesel Range Organics
DTL - Default Target Level
EDR - Environmental Data Resources, Inc.
EP - Environmental Professional
ERNS - Emergency Response Notification System
ESA - Environmental Site Assessment
FINDS - Facility Index System
FUDES - Formerly Used Defense Site
GRO - Gasoline Range Organics
HREC - Historical Recognized Environmental Condition
LQG - Large Quantity Generator
LUST - Leaking Underground Storage Tank
MINES - Mines Master Index File
NFRAP - No Further Remedial Action Planned
NPDES - National Pollution Discharge Elimination System
NPL - National Priority List
ORO - Oil Range Organics
PAH - Polycyclic Aromatic Hydrocarbons
PCB - Polychlorinated Biphenyl
PID - Photoionization Detector
REC - Recognized Environmental Condition
RBTL - Risk-Based Target Level
RCRIS - Resource Conservation and Recovery Information System
RCRA - Resource Conservation and Recovery Act



ROD- Record of Decision
SHWS - State Hazardous Waste Site
SQG - Small Quantity Generator
SRP - Site Remediation Program
SWF/LS or SWF/LF - Solid Waste Facility/Landfill Site
TPH - Total Petroleum Hydrocarbons
TSD - Transport, Storage and Disposal Facility
USGS - United States Geological Survey
USEPA - United States Environmental Protection Agency
UST - Underground Storage Tank
VAP - Voluntary Action Program
VCP - Voluntary Cleanup Program
VOC - Volatile Organic Compound



Phase I Environmental Site Assessment
Helena Harbor Site Certification
Arkansas Highway 20 Spur and Phillips Road 422
Helena, Arkansas

1.0 EXECUTIVE SUMMARY

This Phase I ESA was conducted by Geotechnology, Inc. (Geotechnology) in accordance with the American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments - Phase I Environmental Site Assessment Process, ASTM E1527-13 to review current and past usage of the subject property and adjacent properties and to identify recognized environmental conditions (RECs). The subject property is comprised of nine contiguous parcels totaling approximately 1,892 acres situated northwest of the intersection of Arkansas Highway 20 Spur and Phillips Road 422 in Phillips County, Helena, Arkansas. Phillips Road 413 and a portion of Phillips Road 418 are located on the subject property. The subject property consists of cultivated crop land, and contains one single-story residence and farm maintenance shop and two associated outbuildings. The following Phillips County parcels are associated with the subject property:

- Parcel ID: 001-07627-000
- Parcel ID: 001-07622-001
- Parcel ID: 001-07648-000
- Parcel ID: 001-07698-000
- Parcel ID: 001-07625-001
- Parcel ID: 001-07650-000
- Parcel ID: 001-07696-000
- Parcel ID: 001-07701-000
- Parcel ID: 001-07618-000

This Phase I ESA has revealed the following RECs in connection with the subject property:

- A farm maintenance shop is located on the subject property, and has existed on the subject property for at least 50 years, according to the User. Farm maintenance and repair shops are associated with the use, generation, storage, and disposal of various hazardous substances and petroleum hydrocarbons such as virgin and waste oils, solvents (chlorinated and non-chlorinated), and heavy metals. These materials have the potential to impact soil and groundwater, and as such are considered a REC and a vapor encroachment condition (VEC).



2.0 INTRODUCTION

2.1 Purpose

The User of this Phase I ESA, Electric Cooperatives of Arkansas, requested this Phase I ESA for the purpose of completing environmental due diligence prior to development of the subject property. The purpose of this Phase I ESA is to review current and past usage of the subject property and adjacent properties to identify potential RECs on the subject property. RECs are defined in the ASTM Standard 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; or 3) under conditions that pose a material threat of a future release to the environment." De minimis conditions are not RECs. A de minimis condition is defined as a condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

ASTM E1527-13 also allows the Environmental Professional (EP) to identify Historical RECs (HRECs) and Controlled RECs (CRECs). HRECs are defined as "a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (e.g., property use restrictions, activity and use limitations (AULs), institutional controls, or engineering controls). Before calling the past release an HREC, the EP must determine whether the past release is a REC at the time the Phase I ESA is conducted (e.g., if there has been a change in the regulatory criteria)." CRECs are defined as "a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (e.g., as evidenced by the issuance of a NFA 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 (e.g., property use restrictions, AULs, institutional controls, or engineering controls)...a CREC shall be listed in the Findings Section of the Phase I ESA report, and as a REC in the Conclusions Section of the Phase I ESA report."

This ESA was conducted to assist the User in conducting all appropriate inquiries into previous ownership and use of the subject property to qualify for specific landowner liability protections under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).



2.2 Scope of Services

This Phase I ESA was conducted in accordance with the ASTM Standard Practice for Environmental Site Assessments - Phase I Environmental Site Assessment Process, ASTM E1527-13. This process has been accepted by the United States Environmental Protection Agency (EPA) as being in accordance with the "All Appropriate Inquiry" (AAI) Final Rule (40 CFR Part 312). The Phase I ESA activities consisted of current and historical records reviews, property reconnaissance, interviews with the User and current owner/tenant, vapor migration assessment, and documentation in the form of a report.

2.3 Significant Assumptions

This Phase I ESA was conducted in accordance with the assumptions and limitations contained within ASTM Standard Practice for Environmental Site Assessments - Phase I Environmental Site Assessment Process, ASTM E1527-13.

As stated in ASTM E1527-13 Section 4.5.1, no environmental site assessment can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. This Phase I ESA is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with a property, and recognizes reasonable limits of time and cost.

Additionally, portions of this Phase I ESA are based on unverified information supplied to Geotechnology by third-party sources. In accordance with ASTM E1527-13 Section 7.5.2.1, an EP is not required to verify independently the information provided by third-party sources, unless the EP has actual knowledge that the information is incorrect, or unless it is obvious that certain information is incorrect based on other information obtained in the Phase I ESA.

2.4 Limitations and Exceptions

Limitations and exceptions to this report are included in the *Limitations Appendix* of this Phase I ESA.

2.5 Special Terms and Conditions

The findings of this Phase I ESA are based on the completeness and accuracy of the data and observed conditions of the subject property as of the indicated property reconnaissance date, and when publicly available information was obtained as described in this report.

2.6 User Reliance

This report is an instrument of service prepared by Geotechnology for the exclusive use of Electric Cooperatives of Arkansas. In order to create a report upon which Electric Cooperatives of Arkansas could rely, Geotechnology worked closely with Electric Cooperatives of Arkansas



in development of the scope of services, upon which all subsequent tasks have been based. No party other than Electric Cooperatives of Arkansas is permitted by Geotechnology to rely on this instrument of Geotechnology's service. With the permission of Electric Cooperatives of Arkansas, Geotechnology will meet with a third party to help identify the additional services required, if any, to permit such third party to rely on the information contained in this report, but only to the same extent of Electric Cooperatives of Arkansas's reliance, and subject to the same contractual, technological, and other limitations to which Electric Cooperatives of Arkansas has agreed.

3.0 SUBJECT PROPERTY DESCRIPTION

3.1 General

The subject property consists of nine contiguous parcels totaling approximately 1,892 acres situated northwest of the intersection of Arkansas Highway 20 Spur and Phillips Road 422 in Phillips County, Helena, Arkansas. Phillips Road 413 and a portion of Phillips Road 418 are located on the subject property. The subject property consists of cultivated crop land, and contains one single-story residence, farm maintenance shop, and two associated outbuildings. The following Phillips County parcels are associated with the subject property:

- Parcel ID: 001-07627-000
- Parcel ID: 001-07622-001
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- Parcel ID: 001-07696-000
- Parcel ID: 001-07701-000
- Parcel ID: 001-07618-000

Surrounding properties include Kingwell Farms located northwest adjacent, cultivated crop land to the north, west, and east, and the Mississippi River to the south of the subject property. The subject property is bordered by Arkansas Highway 20 to the north, Arkansas Highway 20 Spur to the east, and Phillips Road 422 to the south.

According to client-supplied title information from the User questionnaire, the subject property is currently owned by the Helena-West Helena/Phillips County Port Authority.



The subject property and surrounding topographical features are depicted on the partial United States Geological Survey (USGS) 7.5 minute quadrangle maps included as Figure 1. An aerial photograph depicting the subject property and surrounding land use is included as Figure 2.

3.2 Legal Description

According to the Arkansas Spatial Data Infrastructure (ASDI) online parcel viewer, the legal description of the subject property is described as follows:

- Parcel ID: 001-07627-000, PT NW1/4 SW1/4 SEC23 T3S R4E (PT NW1/4EXC)
- Parcel ID: 001-07622-001, PT E1/2 SEC23 T3S R4E
- Parcel ID: 001-07648-000, ALL EXC 1.93 A IN LEVEE SEC26 T3S R4E
- Parcel ID: 001-07698-000, ALL S OF LEVEE SEC34 T3S R4E
- Parcel ID: 001-07625-001, SE COR E1/2 NW1/4 SEC23 T3S R4E
- Parcel ID: 001-07650-000, N1/2 SEC27 T3S R4E320 ACRES2004-NO LONGER EXEMPT-LEASED
- Parcel ID: 001-07696-000, ALL N OF LEVEE EXC 55 ACRES SEC34 T3S R4E
- Parcel ID: 001-07701-000, PTS N1/2 SEC35 T3S R4E206.52 ACRES
- Parcel ID: 001-07618-000, ALL EXC 6.70 A S1/2 SEC22 T3S R4E

4.0 PHYSICAL SETTING

Geotechnology reviewed the United States Geological Survey (USGS) 7.5 minute Friars Point NW, Mississippi quadrangle map revised in 2020. Based on the USGS quadrangle map, the subject property is generally flat, contains multiple Mississippi River tributaries, is located north adjacent to the Mississippi River, and is situated at an approximate elevation of 175 feet above mean sea level (MSL). According to the United States Department of Agriculture - National Resource Conservation Service, the subject property soils consist primarily of Sharkey silty clay, Tunica silty clay, and Newellton silty clay, which are characterized by the NRCS as hydric, poorly drained soils.

According to the USGS, the subject property is underlain by alluvium, which consists of alluvial deposits in major stream channels or in mappable meanders of major streams.

In most areas, general estimations about the direction of groundwater movement can be derived from observations of land-surface topography. In effect, the water table often is a subdued replica of the land surface. In addition, the slope of the land surface is typically toward streams or rivers. Based on the general topographic gradient and the location of surface water bodies as depicted on topographic maps, groundwater at the subject property may be flowing in a southerly direction to the southwest-flowing Mississippi River.



Commercial and residential properties in the area of the subject property obtain drinking water from groundwater wells. According to the EDR report and records obtained from the Arkansas Oil and Gas Commission, five water wells and one plugged and abandoned natural gas test well are located on the subject property.

5.0 USER PROVIDED DATA

Cody Flynn of Geotechnology submitted a User Questionnaire on March 29, 2021 to J.D. Lowery, Manager of Community and Economic Development with the Electric Cooperatives of Arkansas. Mr. John C. Edwards, General Counsel for the Helena Harbor, completed the questionnaire. The purpose of the questionnaire was to acquire background information for the subject property as well as other pertinent User-required details. A summary of the User responses is presented below. A copy of the User Questionnaire is included in the *User Questionnaire Appendix*.

5.1 Title Records

Geotechnology was not provided historical chain-of-title information for review.

5.2 Environmental Liens or Activity and Use Limitations

According to Mr. Edwards, he is not aware of environmental liens and activity and use limitations for the subject property.

5.3 Specialized Knowledge

According to Mr. Lowery, the past use of the subject property was for agricultural purposes.

5.4 Previous Environmental Assessments

Geotechnology was not provided and did not review previous environmental reports pertaining to the subject property.

5.5 Purchase Price Analysis

According to Mr. Edwards, this is not applicable, as the subject property is not being purchased

6.0 RECORDS REVIEW

6.1 Government Agency Reference

File records from Environmental Data Resources, Inc. (EDR), were obtained and reviewed to reference data provided by government agencies. The environmental data system furnished information on several database records including records of listings outlined in the ASTM



standards. The table below lists the number of facilities identified within the ASTM-specified radii from the subject property.

Environmental Records Review		
Database Searched	Search Distance (miles)	Facilities Located
UST	1.75	1
AST	1.75	1

The subject property was not listed in the databases searched by EDR.

The sites listed below fall within a 1/8 mile radius of the subject property boundaries. The remaining sites were beyond 1/8 mile from the subject property. A copy of the EDR Radius Map Report is included in the *EDR Radius Map Report Appendix*.

Surrounding Property Search Results	
Site Name:	KINGWELL FARMS
Databases:	AST, UST
Address:	8275 HWY 20
Distance (ft):	Northwest adjacent
Elevation:	Lower
Direction:	NNW
Comments:	This site was listed in the aboveground storage tank (AST) and underground storage tank (UST) databases. According to the EDR report, one 2,000 gallon diesel UST was installed in January 1982 and listed as permanently out of service as of December 1989. Additionally, one 7,000 gallon diesel AST was installed in February 1990 and listed as permanently out of service as of January 2002. Violations, spills, or releases were not reported.

A cross reference of streets from orphan properties (i.e., unmappable sites) with the subject property address and street maps did not reveal orphan sites within the ASTM-specified distances from the subject property. Discrepancies between information provided by government agencies and EDR may exist due to incomplete or non updated databases of either resource. In addition, facilities may be listed in more than one category in the environmental screening report.

6.2 Additional Environmental Record Sources

Additional environmental record sources were not reviewed as part of this Phase I ESA.

6.3 Electric Utility

Woodruff Electric Cooperative, the electric utility provider for the subject property, does not provide site-specific information regarding the polychlorinated biphenyl (PCB) status of electrical transformers. Additional information regarding potential PCB-containing equipment can be found in the Property Reconnaissance section of this report.



6.4 Sanborn Fire Insurance Maps

Sanborn Map coverage is not available for the subject property. A copy of the Sanborn Map No Coverage letter is included in the *Certified Sanborn Map Report Appendix*.

6.5 Historical Aerial Photographs

Geotechnology reviewed historical aerial photographs provided by EDR. The aerial photographs were reviewed to assist with determining past land usage on and in the vicinity of the subject property. A copy of the EDR Aerial Photo Decade Package is included in the *Historical Aerial Photographs Appendix*. The historical aerial photograph review is summarized in the table below.

Historical Aerial Photographs Summary		
Date(s)	Property Comments	Surrounding Area Comments
1963	The subject property appears to be used for agricultural purposes. A perennial stream and multiple drainage channels are located near the northwestern and southern portions of the subject property, respectively. A smaller structure that coincides with the farm maintenance shop and single residential structure are located near the northeastern portion of the subject property. Unpaved roadways (currently known as Phillips Road 413 and 418) are located near the north-central and southern portions of the subject property, respectively.	Surrounding properties appear to be used for agricultural purposes. An agricultural business (presently known as Kingwell Farms) is located northwest adjacent to the subject property. A single rural residence is located to the north, and a portion of the Mississippi River is located to the south of the subject property.
1972, 1976	An apparent cultivated cotton crop is observed on the subject property, starting with the 1972 aerial photograph. An apparent remnant roadway grid is located within the cultivated cotton crop field in the southern portion of the subject property. A dirt roadway appears to have been constructed to the south of the farm maintenance shop.	One structure and associated outbuildings have been constructed east adjacent to the subject property, near the southeastern boundary.
1982, 1985, 1994, 2001	The subject property appears similar to the 1976 aerial photograph.	The structure in the 1976 aerial photograph has been expanded starting with the 1982 aerial photograph.
2007	An apparent oil well pad and assumed production water pit are located near the eastern boundary of the subject property.	Surrounding properties appear similar to the 2001 aerial photograph.



Date(s)	Property Comments	Surrounding Area Comments
2010, 2013, 2017	The production water pit associated with the oil well has been filled in starting with the 2010 aerial photograph. Structures are not observed on the well pad, and the well appears to have been plugged and abandoned in the 2013 and 2017 aerial photographs.	Surrounding properties appear similar to the 2007 aerial photograph.

6.6 City Directories

Geotechnology reviewed historical city directories provided by EDR. The report was reviewed to identify historical occupants of the subject property and adjoining properties typically associated with the current or past use, generation, storage, treatment or disposal of hazardous materials. The subject property address was not listed in the city directories provided by EDR. The table below outlines pertinent tenants of adjacent properties. A copy of The EDR-City Directory Report is included in the *City Directory Report Appendix*.

City Directory Summary - Adjacent Properties			
Address	Year	Tenant	Use
8275 Arkansas Highway 20	2010	King Farms (also known as Kingwell Farms)	Agricultural

6.7 Historical Topographic Maps

Geotechnology reviewed historical topographic maps provided by EDR. The maps were reviewed to obtain information about possible undocumented fill, mining activities, railroads, ASTs, dumps/landfills, quarries, orchards, waste treatment lagoons, and other potential items of environmental concern. The table below documents the historical topographic map review summary. Copies of the historical topographic maps are included in the *Historical Topographic Maps Appendix*.

Historical Topographic Maps Summary			
Date(s)	Quad	Property Comments	Surrounding Area Comments
1931	Farrell	Multiple assumed residential structures and unpaved roadways are depicted on the subject property. A perennial stream and intermittent tributary are located in the northeastern portion, and a separate intermittent stream is located in the southern portion of the subject property. Westover Bayou is identified in the southern	Fitzhugh School is depicted to the northwest, and Pleasant Grove Church is depicted to the northeast of the subject property.

		portion of the subject property.	
1939	Farrell	The subject property appears similar to the 1931 topographic map.	A levee and associated borrow pit are depicted south adjacent to the subject property. The subject property is bordered by Arkansas Highway 49 to the north, and Arkansas Highway 20 to the east.
1955	Farrell	The subject property appears similar to the 1939 topographic map.	Surrounding properties appear similar to the 1939 topographic map.
1964, 1967	Friars Point NW, Farrell	The unpaved roadways and associated residences in Sections 22 and 27 are no longer depicted on the topographic map. Residences along the central unpaved roadway are no longer depicted, starting with the 1964 topographic map.	Fitzhugh School is no longer depicted northeast adjacent to the subject property beginning with the 1964 map. property. Arkansas Highway 49 appears to have been changed to Highway 20 to the north.
2012	Friars Point NW	Phillips Road 413 and 418 are depicted near the central and southern portions of the subject property, respectively. Structures are no longer depicted on the subject property.	Structures, including Point Pleasant Church, are no longer depicted on the topographic map.

6.8 Historical Building Permits

Geotechnology did not review historical building permits as part of the Phase I ESA.

6.9 Vapor Migration Assessment

Geotechnology conducted a Tier 1 Vapor Encroachment Screening (VES) of the subject property in general conformance with ASTM E2600-15 "Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions." The purpose of the Tier 1 VES is to identify, to the extent feasible pursuant to the procedures presented in the ASTM standard, if a Vapor Encroachment Condition (VEC) exists on the subject property. A VEC is defined as "the presence or likely presence of contaminant of concern vapors in the subsurface of the target property caused by the release of vapors from contaminated soil or groundwater or both either on or near the target property as identified by the Tier 1 or Tier 2 procedures."



Our Tier 1 VES scope of services included reviewing the existing/planned use of the subject property, government records review, historical records review, and physical setting/geological review.

Based on the government record reviews, historical reviews, physical observations, and physical setting/geological reviews, potential vapor sources were not identified within 300 feet (the ASTM-defined critical distance) of the subject property boundary. In our opinion, a VEC cannot be ruled out because:

- A farm maintenance and repair shop is located on the subject property, and has existed for at least 50 years. Farm maintenance shops are associated with the use, storage and disposal of petroleum hydrocarbons and solvents that contain volatile organic compounds which have the potential to travel through the unsaturated soil zone.

7.0 PROPERTY RECONNAISSANCE

7.1 Methodology and Limiting Conditions

A reconnaissance of the subject property and observations of surrounding properties viewed from the subject property borders were performed on March 24, 2021 by Cody Flynn, Senior Wetlands Scientist with Geotechnology. The property reconnaissance was performed under the direction of Duane T. Kreuger, an Environmental Professional with Geotechnology. The purpose of the property reconnaissance was to note visual evidence of RECs at the subject property and adjoining sites. Representative property photographs are presented in the *Property Photographs Appendix*.

7.2 General Property Setting

The subject property consists of nine contiguous parcels reportedly totaling approximately 1,892 acres situated northwest of the intersection of Arkansas Highway 20 Spur and Phillips Road 422 in Phillips County, Helena, Arkansas. Phillips Road 413 and a portion of Phillips Road 418 are located on the subject property. The subject property consists of cultivated crop land, and contains one single-story residence, a farm maintenance shop, and two associated outbuildings. The following Phillips County parcels are associated with the subject property:

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- Parcel ID: 001-07696-000
- Parcel ID: 001-07701-000
- Parcel ID: 001-07618-000

Surrounding properties include Kingwell Farms located northwest adjacent, cultivated crop land to the north, west, and east, and the Mississippi River to the south of the subject property. The subject property is bordered by Arkansas Highway 20 to the north, Arkansas Highway 20 Spur to the east, and Phillips Road 422 to the south.

7.2.1 Solid Waste Disposal

Solid waste generated on the subject property is hauled away by a commercial waste hauling company.

7.2.2 Sewage Disposal

Sewage generated on the subject property is discharged to septic tanks. Septic tanks were not observed during the property reconnaissance.

7.2.3 Process Wastewater

Process wastewater is not generated on the subject property.

7.2.4 Storm Water Discharge

Stormwater generally flows toward the drainage channels and streams on the subject property.

7.2.5 Utilities

Evidence of utilities was not observed on the subject property.

7.2.6 Additional Property Conditions

Other pertinent property conditions were not observed.

7.3 Exterior Observations

7.3.1 Landfills or Undocumented Fill Placement

Evidence of landfills or uncontrolled fill placement was not observed.

7.3.2 Aboveground Storage Tanks

Exterior ASTs were not observed during the property reconnaissance.



7.3.3 Underground Storage Tanks

Evidence of exterior USTs was not observed during the property reconnaissance.

7.3.4 Evidence of Releases or Potential Releases

Evidence of releases or potential releases was not observed at exterior areas of the subject property.

7.3.5 Electrical Transformers

Electrical transformers were not observed at exterior areas of the subject property.

7.3.6 Other Potential PCB-Containing Equipment

Other exterior potential PCB-containing equipment was not observed.

7.3.7 Hazardous Substances and Petroleum Products

Hazardous substances and petroleum products were not observed at exterior areas of the subject property.

7.3.8 Other Observations

Interior areas of the residence, farm maintenance shop, and associated outbuildings was not provided at the time of our reconnaissance. This is considered a data gap, and is discussed in Section 9.0

8.0 INTERVIEWS

8.1 Owner Interview

Cody Flynn of Geotechnology submitted an Owner Questionnaire on March 29, 2021 to J.D. Lowery to obtain pertinent information regarding the subject property. Mr. John C. Edwards, General Counsel for the Helena Harbor completed the questionnaire. According to Mr. Edwards, the past and current use of the subject property is for agricultural purposes, and cultivated crops include cotton, corn, and soybeans. Mr. Edwards indicated that a farm shop located near the intersection of Arkansas Highway 20 and Arkansas Highway 20 Spur has existed on the subject property for at least 50 years, and may have stored hazardous materials and petroleum products. According to Mr. Edwards, trash, hazardous waste, and excess petroleum products are disposed of by contract waste disposal companies. Mr. Edwards indicated that a previous Phase I ESA may have been completed in the 1990s; a copy of said report was not available. A copy of the completed Owner Questionnaire is included in the *Owner Questionnaire Appendix*.



8.2 Local Fire Department

The City of Helena-West Helena Fire Department was contacted by Cody Flynn of Geotechnology on April 2, 2021 to obtain information regarding fires, hazardous material spills, pipelines, or complaints at or near the subject property. Marcus Deborum, Assistant Fire Chief of the Helena-West Helena Fire Department provided records of a brush fire that occurred on March 19, 2021 due to agricultural activities. Hazardous materials releases or other records of environmental concern were not identified. A copy of the fire department record is included in the *Fire Department Correspondence* appendix.

9.0 DATA GAPS

The following data gaps were identified during this Phase I ESA:

- Interior areas of the residence, a farm maintenance shop, and associated outbuildings on the subject property were not accessible during the site reconnaissance. In our opinion, based on our database reviews and interviews, the lack of interior observations did not impact our ability to identify RECs.

10.0 FINDINGS AND OPINIONS

Geotechnology has performed a Phase I ESA for the subject property. The subject property consists of nine contiguous parcels totaling approximately 1,892 acres situated northwest of the intersection of Arkansas Highway 20 Spur and Phillips Road 422 in Phillips County, Helena, Arkansas. Phillips Road 413 and a portion of Phillips Road 418 are located on the subject property. The subject property consists of cultivated crop land, and contains one single-story residence, a farm maintenance shop, and two associated outbuildings. Geotechnology has endeavored to perform this Phase I ESA within the scope and limitations of ASTM Standard E1527-13. Findings of this Phase I ESA are detailed below.

This Phase I ESA has revealed the following RECs in connection with the subject property:

- A farm maintenance shop is located on the subject property, and has existed on the subject property for at least 50 years, according to the User. Farm maintenance and repair shops are associated with the use, generation, storage, and disposal of various hazardous substances and petroleum hydrocarbons such as virgin and waste oils, solvents (chlorinated and non-chlorinated), and heavy metals. These materials have the potential to impact soil and groundwater, and as such are considered a REC and a vapor encroachment condition (VEC).



In addition to the above-listed REC, the following non-REC items are pertinent to the subject property:

- Although the use of the subject property for agricultural purposes may indicate the former and current use of pesticides, evidence of storage of these chemicals on the subject property was not ascertained. As a result, the use of the subject property for agricultural purposes is not considered an REC.
- The EDR report identified one adjacent site within the ASTM search radii from the subject property (as stated in Section 6.1). It is our opinion that the site listed in the EDR report is not considered a REC due to its distance and relative position from the subject property.
- Former residences identified along the unpaved roads on the subject property likely had water wells and septic systems. The wells and septic systems may not have been properly abandoned. Geotechnology did not observe evidence of former wells or septic systems on the property, however, and as such former water wells and septic systems are not considered a REC associated with the subject property.
- Residential structures were formerly located on the subject property going back to c.1931. In our experience, older residences may have used heating/fuel oil to heat the structures. Heating/fuel oil may have been stored in underground storage tanks. Although evidence of heating/fuel oil USTs was not ascertained during this assessment, the potential exists for heating/fuel oil USTs to be present. In many cases, these unregulated USTs may have been disconnected and forgotten. During future excavation or construction activities, if a heating/fuel oil UST is discovered, the UST and impacted materials should be properly characterized and disposed.
- One plugged and abandoned natural gas test well and apparent production water pit were formerly situated near the eastern portion of the subject property. According to the Arkansas Oil and Gas Commission, the well did not generate product, and as such is not considered a REC.

11.0 CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527-13 of nine contiguous parcels totaling approximately 1,892 acres situated northwest of the intersection of Arkansas Highway 20 Spur and Phillips Road 422 in Phillips County, Helena, Arkansas. Phillips Road 413 and a portion of Phillips



Road 418 are located on the subject property. The subject property consists of cultivated crop land, and contains one single-story residence, farm maintenance shop, and two associated outbuildings. (the property). Any exceptions to, or deletions from, this practice are described in Section 12.0 of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property except for the following:

- A farm maintenance shop is located on the subject property, and has existed on the subject property for at least 50 years, according to the User. Farm maintenance and repair shops are associated with the use, generation, storage, and disposal of various hazardous substances and petroleum hydrocarbons such as virgin and waste oils, solvents (chlorinated and non-chlorinated), and heavy metals. These materials have the potential to impact soil and groundwater, and as such are considered a REC and a vapor encroachment condition (VEC).

12.0 DEVIATIONS FROM ASTM

To the best of our knowledge, there have not been deviations from the ASTM standard.

13.0 QUALIFICATIONS

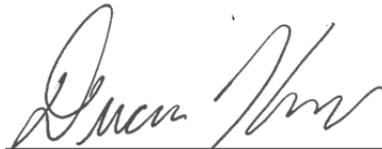
Resumes of the environmental professionals who performed this Phase I ESA of the subject property are included in the *Resumes of Environmental Professionals Appendix*.



14.0 SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in 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 subject property. I have developed and performed the all appropriate inquiries in conformance with the standard and practices set forth in 40 CFR Part 312.

EP Signature



Duane T. Kreuger
Operations Manager



15.0 REFERENCES

American Society for Testing and Materials (ASTM) International, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM E1527-13, Revised 2013.

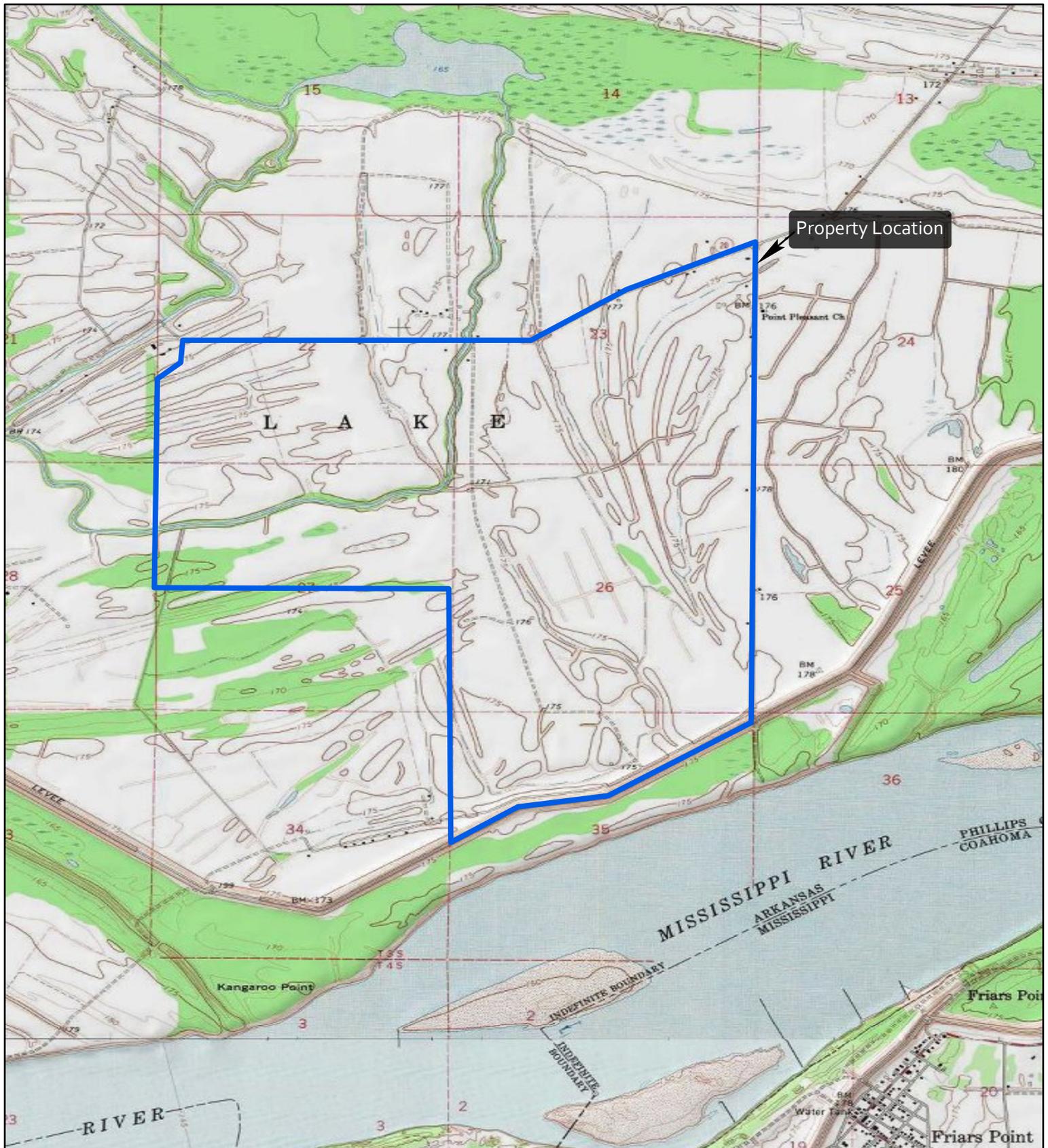
U.S. Geological Survey and Arkansas Geological Commission, Geologic Map of Arkansas, 1993.

Arkansas Spatial Data Infrastructure (ASDI) Map Viewer, <https://www.arcgis.com/apps/webappviewer/index.html?id=8bd86088bb7b4068a69db5f6567a8d0b>, 2021.

USGS 7.5 Minute Friars Point NW, Mississippi Quadrangle map, revised in 2020.

EDR Radius Map Report; Helena Harbor Site Certification; 7318 Arkansas 20, Helena, Arkansas 72342; Inquiry Number: 6405422.2s; Dated March 15, 2021.

ILLUSTRATIONS



NOTES

1. Plan adapted from 7.5 minute U.S.G.S. Map for the Friars Point NW, Mississippi quadrangle, last revised 2020.



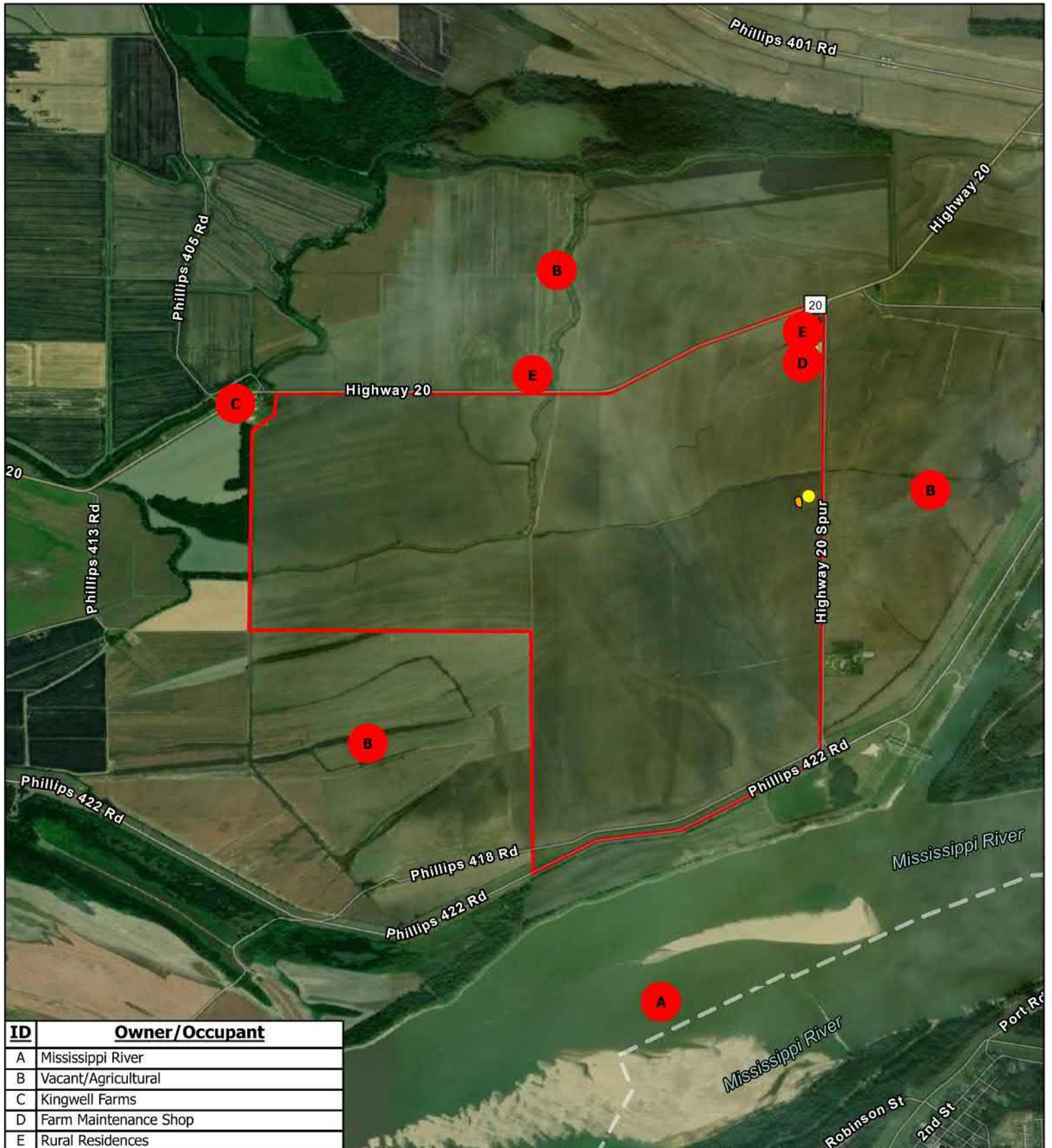
Drawn by: CJF	Ch'd By: RGH	App'vd By: RGH
Date: 4/6/2021	Date: 4/13/2021	Date: 4/13/2021



HELENA HARBOR SITE CERTIFICATION
 ARKANSAS HIGHWAY 20 AND PHILLIPS ROAD 422
 HELENA, ARKANSAS

PROPERTY LOCATION AND TOPOGRAPHY

Project Number: J034421.01	FIGURE 1
----------------------------	----------



ID	Owner/Occupant
A	Mississippi River
B	Vacant/Agricultural
C	Kingwell Farms
D	Farm Maintenance Shop
E	Rural Residences

● Property Identifier
● Plugged and abandoned natural gas test well
 Approximate location of former production water pit

0 1,500 3,000

 Feet



Drawn by: CJF	Ch'd By: RGH	App'vd By: RGH
Date: 4/6/2020	Date: 4/13/2021	Date: 4/13/2021



HELENA HARBOR SITE CERTIFICATION
 ARKANSAS HIGHWAY 20 AND PHILLIPS ROAD 422
 HELENA, ARKANSAS

AERIAL PHOTOGRAPH AND SURROUNDING LAND USE

Property Photographs



1 : View from the central portion of the subject property looking north.



2 : View from the central portion of the subject property looking east.



3 : View from the central portion of the subject property looking south.



4 : View from the central portion of the subject property looking west.



5 : View from the east-central portion of the subject property looking west.



6 : View from the north-central portion of the subject property looking east.



7 : View from the north-central portion of the subject property looking south.



8 : View from the northwestern portion of the subject property looking east.



9 : View from the northwestern portion of the subject property looking west.



10 : View from the south-central portion of the subject property looking north.



11 : View from the south-central portion of the subject property looking east.



12 : View from the south-central portion of the subject property looking south.



13 : View from the south-central portion of the subject property looking west.



14 : View from the southern extent of the subject property looking north.



15 : View from the southeastern portion of the subject property looking north.



16 : View from the southeastern portion of the subject property looking west.



17 : View from the southwestern portion of the subject property looking north.



18 : View from the southwestern portion of the subject property looking east.



19 : View of perennial stream in the northwestern portion of the subject property looking west.



20 : View from culvert drainage in the southern portion of the subject property looking south.



21 : View of Arkansas Highway 20 and agricultural land located north adjacent to the subject property.



22 : View of agricultural land located east adjacent to the subject property.



23 : View of Phillips Road 422 and Mississippi River levee located south adjacent to the subject property.



24 : View of Kingwell Farm located northwest adjacent to the subject property, looking west.



25 : View of agricultural land located west adjacent to the subject property looking west.

User Questionnaire

This User Questionnaire is for a larger, approximately 4,000-acre Helena Harbor & Industrial Park Site. This Phase I ESA only covers the western half of this property. Some of the information contained herein does not apply to this Phase I ESA.

**PHASE I ENVIRONMENTAL ASSESSMENT
USER QUESTIONNAIRE**

Project Name Helena Harbor Site Certification **Project No.:** J034421.01
Submitted to: J.D. Lowery **Date:** 3/29/2021
Subject Property: Arkansas Highway 20 and Road 418, Helena, Arkansas

INSTRUCTIONS

The purpose of this questionnaire is to obtain information regarding the subject property. This user of the Phase I ESA must provide the following information (if available) to the Environmental Professional. Failure to provide this information could result in a determination that “all appropriate inquiry” is not complete. Please answer all questions to the best of your knowledge and in good faith. Your cooperation is appreciated; if you have any questions, please contact the indicated Geotechnology, Inc. representative at (218) 216-5323. Please return this questionnaire within 3 days of receipt to:

Cody Flynn
cflynn@geotechnology.com
Geotechnology, Inc.
3312 Winbrook Lane
Memphis, TN 38116

I. TENANT/OWNERSHIP DATA

1. Project Address: Arkansas Highway 20 & Arkansas Highway 20 Spur

2. Present Owner: The Helena-West Helena/Phillips County Port Authority
Contact: John C Edwards Telephone No. 870-338-6444
3. Present Tenant: See above
Contact: _____ Telephone No. _____
Type of Business: _____
4. Permission for Access Required? Owner: Yes No Tenant: Yes No
5. Arrange Site Access Through: John Edwards Telephone No. 870-338-6444

**PHASE I ENVIRONMENTAL ASSESSMENT
USER QUESTIONNAIRE**

6. Have other geotechnical or environmental reports been prepared to your knowledge?
 Yes No. If yes, please provide a copy. Yes.

Yes. Will provide copies.

II. PROPERTY DATA

1. Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?
 Yes No

If yes, please explain: No known liens.

2. Are you aware of any activity and use limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law? Yes No

If yes, give a brief description: _____

None known

3. As the user of this Phase I ESA, do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business? Yes No

If yes, give a brief description: No

4. Does the purchase price being paid for this property reasonably reflect the fair market value of the property? Yes No No property is being purchased at this time. Last parcel purchased was in 2013.

If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property? Yes No

**PHASE I ENVIRONMENTAL ASSESSMENT
USER QUESTIONNAIRE**

5. Are you aware of commonly known or reasonably ascertainable information about the property that would help the Environmental Professional to identify conditions indicative of releases or threatened releases? Yes No

Yes

For example:

a.) Do you know the past uses of the property? Yes No

If yes, give a brief description: Past use has been farm land. I have personally known and spoken with individuals who have lived on or farmed this land since the late 1950s.

b.) Do you know of specific chemicals that are present or once were present at the property?

Yes No

If yes, give a brief description: Chemicals commonly used in agriculture; fertilizer stored at the Helm Fertilizer distribution point; chemicals stored and produced at the Envirotech production facility.

c.) Do you know of spills or other chemical releases that have taken place at the property?

Yes No

If yes, give a brief description: None known

d.) Do you know of any environmental cleanups that have taken place at the property?

Yes No

**PHASE I ENVIRONMENTAL ASSESSMENT
USER QUESTIONNAIRE**

If yes, give a brief description: Small diesel fuel clean up at the site of a small irrigation well north of Arkansas Highway 20.

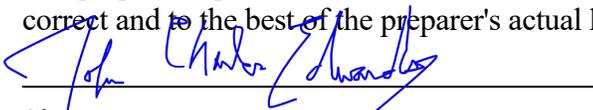
6.) As the user of this Phase I ESA, based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property? Yes No

If yes, give a brief description: None known

This questionnaire was completed by:

Name	<u>John C Edwards</u>	Phone	<u>870-338-6444</u>
Title	<u>General Counsel</u>	Date	<u>29 March 2021</u>
Firm	<u>Helena Harbor</u>		
Address	<u>PO Box 407</u>		
	<u>Helena, AR 72342</u>		

The preparer represents that to the best of the preparer's knowledge the above statements and facts are true and correct and to the best of the preparer's actual knowledge no material facts have been suppressed or misstated.


Signature John C Edwards Date 29 March 2021

Signature _____ Date _____

EDR Radius Map Report

Helena Harbor Site Certification

7318 Arkansas 20
Helena, AR 72342

Inquiry Number: 6405422.2s
March 15, 2021

The EDR Radius Map™ Report with GeoCheck®



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

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

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EXECUTIVE SUMMARY

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

TARGET PROPERTY INFORMATION

ADDRESS

7318 ARKANSAS 20
HELENA, AR 72342

COORDINATES

Latitude (North): 34.4058670 - 34° 24' 21.12"
Longitude (West): 90.6600010 - 90° 39' 36.00"
Universal Tranverse Mercator: Zone 15
UTM X (Meters): 715087.4
UTM Y (Meters): 3809446.0
Elevation: 175 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5639000 FRIARS POINT NW, MS
Version Date: 2012

East Map: 5630923 MOON LAKE, MS
Version Date: 2012

Southeast Map: 5630903 COAHOMA, MS
Version Date: 2012

South Map: 5630907 FRIARS POINT, MS
Version Date: 2012

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140827, 20150813
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
7318 ARKANSAS 20
HELENA, AR 72342

Click on Map ID to see full detail.

<u>MAP ID</u>	<u>SITE NAME</u>	<u>ADDRESS</u>	<u>DATABASE ACRONYMS</u>	<u>RELATIVE ELEVATION</u>	<u>DIST (ft. & mi.) DIRECTION</u>
1	KINGWELL FARMS	8275 HWY 20	UST, AST	Lower	4084, 0.773, NNW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

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

Federal CERCLIS NFRAP site list

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

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

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

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System

EXECUTIVE SUMMARY

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

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent NPL

SHWS..... Hazardous Substance Remedial Action Trust Fund Priority List

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

SWF/LF..... Solid Waste Facility Permit Database
SWID..... Solid Waste Illegal Dumps Database

State and tribal leaking storage tank lists

LTANKS..... Leaking Storage Tank Location Listing
INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Engineering Controls Sites Listing
INST CONTROL..... Institutional Control/Land Use Restriction Sites

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing
VCP..... Voluntary Cleanup Program Sites

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Projects

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY..... Recycling Directory
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
IHS OPEN DUMPS..... Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

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

EXECUTIVE SUMMARY

CDL..... Methamphetamine Contaminated Properties Listing
US CDL..... National Clandestine Laboratory Register
PFAS..... Per- and Polyfluoroalkyl Substances

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS..... Emergency Response Incidents
SPILLS 90..... SPILLS 90 data from FirstSearch
SPILLS 80..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

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

EXECUTIVE SUMMARY

AIRS.....	Permitted Facility Emission & Stack Data
ASBESTOS.....	Asbestos Notification of Intent Database
COAL ASH.....	Coal Ash Disposal Site Listing
ENF.....	Consent Administrative Order, Notice of Violation Information Database
Financial Assurance.....	Financial Assurance Information Listing
PERMITS.....	Permit Data System
AR Sludge.....	Poultry Sludge Permit Sites
TIER 2.....	Tier 2 Information Listing
UIC.....	Underground Injection Wells Database Listing
MINES MRDS.....	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

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

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

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

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

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

STANDARD ENVIRONMENTAL RECORDS

State and tribal registered storage tank lists

UST: RST Owner & Facilities.

A review of the UST list, as provided by EDR, and dated 12/11/2020 has revealed that there is 1 UST site within approximately 1.75 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
<i>KINGWELL FARMS</i>	<i>8275 HWY 20</i>	<i>NNW 1/2 - 1 (0.773 mi.)</i>	<i>1</i>	<i>8</i>

EXECUTIVE SUMMARY

Tank Status: PO
Facility Id: 54000096
Facility Id: 54000096
ADEQ Facility ID: 54-00034

AST: Aboveground Tank Database

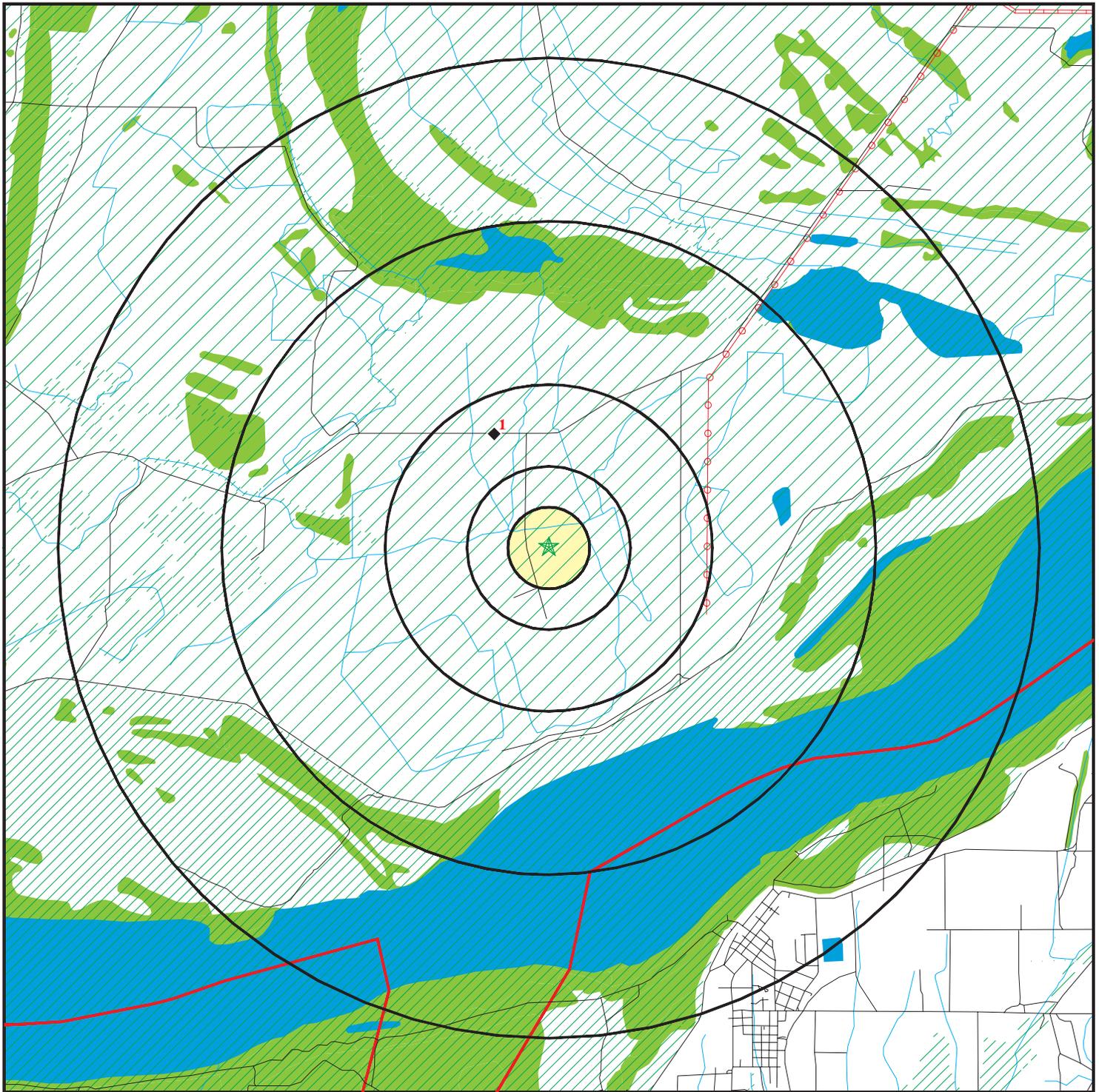
A review of the AST list, as provided by EDR, and dated 12/11/2020 has revealed that there is 1 AST site within approximately 1.75 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>KINGWELL FARMS</i> Facility Id: 54000096 Facility Id: 54000096 AFIN: 5400034	<i>8275 HWY 20</i>	<i>NNW 1/2 - 1 (0.773 mi.)</i>	<i>1</i>	<i>8</i>

EXECUTIVE SUMMARY

There were no unmapped sites in this report.

OVERVIEW MAP - 6405422.2S



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

- 🏠 Indian Reservations BIA
- 📏 County Boundary
- ⚡ Power transmission lines
- 📏 Pipelines
- 🌊 Special Flood Hazard Area (1%)
- 🌊 0.2% Annual Chance Flood Hazard
- 🌿 National Wetland Inventory
- 🌿 State Wetlands

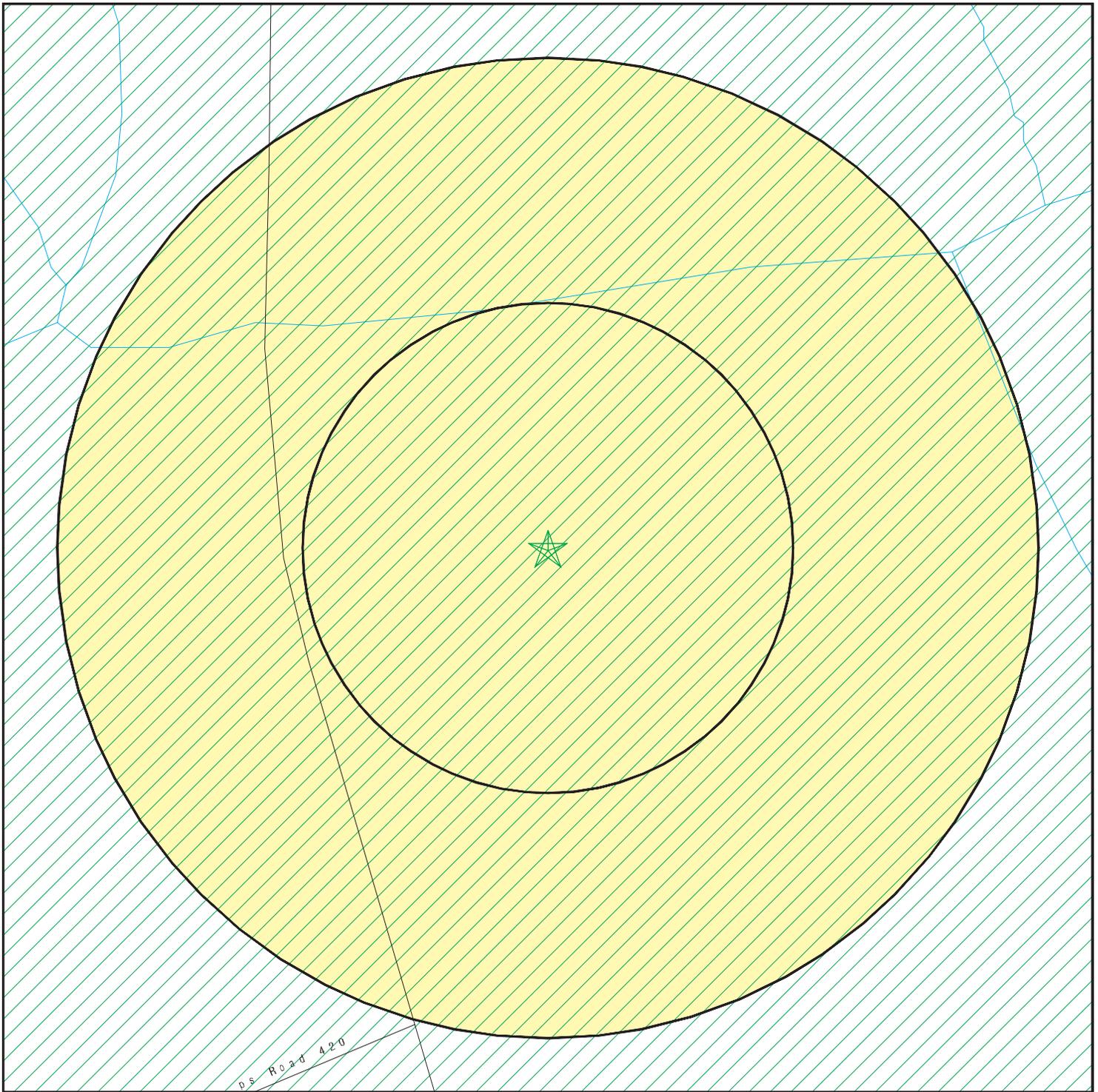


This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Helena Harbor Site Certification
 ADDRESS: 7318 Arkansas 20
 Helena AR 72342
 LAT/LONG: 34.405867 / 90.660001

CLIENT: Geotechnology
 CONTACT: Cody Flynn
 INQUIRY #: 6405422.2s
 DATE: March 15, 2021 12:05 pm

DETAIL MAP - 6405422.2S



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

0 1/16 1/8 1/4 Miles

- 🏞 Indian Reservations BIA
- 🌊 Special Flood Hazard Area (1%)
- 🌊 0.2% Annual Chance Flood Hazard

↑
N

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

SITE NAME: Helena Harbor Site Certification
 ADDRESS: 7318 Arkansas 20
 Helena AR 72342
 LAT/LONG: 34.405867 / 90.660001

CLIENT: Geotechnology
 CONTACT: Cody Flynn
 INQUIRY #: 6405422.2s
 DATE: March 15, 2021 12:07 pm

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	2.500		0	0	0	0	0	0
Proposed NPL	2.500		0	0	0	0	0	0
NPL LIENS	2.500		0	0	0	0	0	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	2.500		0	0	0	0	0	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	2.000		0	0	0	0	0	0
SEMS	2.000		0	0	0	0	0	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	2.000		0	0	0	0	0	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	2.500		0	0	0	0	0	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	2.000		0	0	0	0	0	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	1.750		0	0	0	0	0	0
RCRA-SQG	1.750		0	0	0	0	0	0
RCRA-VSQG	1.750		0	0	0	0	0	0
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	2.000		0	0	0	0	0	0
US ENG CONTROLS	2.000		0	0	0	0	0	0
US INST CONTROLS	2.000		0	0	0	0	0	0
<i>Federal ERNS list</i>								
ERNS	1.500		0	0	0	0	0	0
<i>State- and tribal - equivalent NPL</i>								
SHWS	2.500		0	0	0	0	0	0
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	2.000		0	0	0	0	0	0
SWID	2.000		0	0	0	0	0	0
<i>State and tribal leaking storage tank lists</i>								
LTANKS	2.000		0	0	0	0	0	0
INDIAN LUST	2.000		0	0	0	0	0	0
<i>State and tribal registered storage tank lists</i>								
FEMA UST	1.750		0	0	0	0	0	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	1.750		0	0	0	1	0	1
AST	1.750		0	0	0	1	0	1
INDIAN UST	1.750		0	0	0	0	0	0
<i>State and tribal institutional control / engineering control registries</i>								
ENG CONTROLS	2.000		0	0	0	0	0	0
INST CONTROL	2.000		0	0	0	0	0	0
<i>State and tribal voluntary cleanup sites</i>								
INDIAN VCP	2.000		0	0	0	0	0	0
VCP	2.000		0	0	0	0	0	0
<i>State and tribal Brownfields sites</i>								
BROWNFIELDS	2.000		0	0	0	0	0	0
<u>ADDITIONAL ENVIRONMENTAL RECORDS</u>								
<i>Local Brownfield lists</i>								
US BROWNFIELDS	2.000		0	0	0	0	0	0
<i>Local Lists of Landfill / Solid Waste Disposal Sites</i>								
SWRCY	2.000		0	0	0	0	0	0
INDIAN ODI	2.000		0	0	0	0	0	0
ODI	2.000		0	0	0	0	0	0
DEBRIS REGION 9	2.000		0	0	0	0	0	0
IHS OPEN DUMPS	2.000		0	0	0	0	0	0
<i>Local Lists of Hazardous waste / Contaminated Sites</i>								
US HIST CDL	1.500		0	0	0	0	0	0
CDL	1.500		0	0	0	0	0	0
US CDL	1.500		0	0	0	0	0	0
PFAS	2.000		0	0	0	0	0	0
<i>Local Land Records</i>								
LIENS 2	1.500		0	0	0	0	0	0
<i>Records of Emergency Release Reports</i>								
HMIRS	1.500		0	0	0	0	0	0
SPILLS	1.500		0	0	0	0	0	0
SPILLS 90	1.500		0	0	0	0	0	0
SPILLS 80	1.500		0	0	0	0	0	0
<i>Other Ascertainable Records</i>								
RCRA NonGen / NLR	1.750		0	0	0	0	0	0
FUDS	2.500		0	0	0	0	0	0
DOD	2.500		0	0	0	0	0	0
SCRD DRYCLEANERS	2.000		0	0	0	0	0	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
US FIN ASSUR	1.500		0	0	0	0	0	0
EPA WATCH LIST	1.500		0	0	0	0	0	0
2020 COR ACTION	1.750		0	0	0	0	0	0
TSCA	1.500		0	0	0	0	0	0
TRIS	1.500		0	0	0	0	0	0
SSTS	1.500		0	0	0	0	0	0
ROD	2.500		0	0	0	0	0	0
RMP	1.500		0	0	0	0	0	0
RAATS	1.500		0	0	0	0	0	0
PRP	1.500		0	0	0	0	0	0
PADS	1.500		0	0	0	0	0	0
ICIS	1.500		0	0	0	0	0	0
FTTS	1.500		0	0	0	0	0	0
MLTS	1.500		0	0	0	0	0	0
COAL ASH DOE	1.500		0	0	0	0	0	0
COAL ASH EPA	2.000		0	0	0	0	0	0
PCB TRANSFORMER	1.500		0	0	0	0	0	0
RADINFO	1.500		0	0	0	0	0	0
HIST FTTS	1.500		0	0	0	0	0	0
DOT OPS	1.500		0	0	0	0	0	0
CONSENT	2.500		0	0	0	0	0	0
INDIAN RESERV	2.500		0	0	0	0	0	0
FUSRAP	2.500		0	0	0	0	0	0
UMTRA	2.000		0	0	0	0	0	0
LEAD SMELTERS	1.500		0	0	0	0	0	0
US AIRS	1.500		0	0	0	0	0	0
US MINES	1.750		0	0	0	0	0	0
ABANDONED MINES	1.750		0	0	0	0	0	0
FINDS	1.500		0	0	0	0	0	0
DOCKET HWC	1.500		0	0	0	0	0	0
UXO	2.500		0	0	0	0	0	0
ECHO	1.500		0	0	0	0	0	0
FUELS PROGRAM	1.750		0	0	0	0	0	0
AIRS	1.500		0	0	0	0	0	0
ASBESTOS	1.500		0	0	0	0	0	0
COAL ASH	2.000		0	0	0	0	0	0
ENF	1.500		0	0	0	0	0	0
Financial Assurance	1.500		0	0	0	0	0	0
PERMITS	1.500		0	0	0	0	0	0
AR Sludge	2.000		0	0	0	0	0	0
TIER 2	1.500		0	0	0	0	0	0
UIC	1.500		0	0	0	0	0	0
MINES MRDS	1.500		0	0	0	0	0	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	2.500		0	0	0	0	0	0
EDR Hist Auto	1.625		0	0	0	0	0	0
EDR Hist Cleaner	1.625		0	0	0	0	0	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<u>EDR RECOVERED GOVERNMENT ARCHIVES</u>								
<i>Exclusive Recovered Govt. Archives</i>								
RGA HWS	1.500		0	0	0	0	0	0
RGA LF	1.500		0	0	0	0	0	0
RGA LUST	1.500		0	0	0	0	0	0
- Totals --		0	0	0	0	2	0	2

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

1
NNW
1/2-1
0.773 mi.
4084 ft.

KINGWELL FARMS
8275 HWY 20
HELENA, AR 72342

UST U001533200
AST N/A

Relative:
Lower
Actual:
174 ft.

UST:
 Facility Id: 54000096
 ADEQ Facility ID: 54-00034
 Active Site: Not reported
 Above Ground: Yes
 Below Ground: Yes
 Aboveground in Use: UST
 Underground in Use: UST
 Date Reg Cert Issued: 06/07/1994
 Lust Flag: UST
 Leak ID Number: Not reported
 Date Received: 02/14/1990
 Location SIC: Not reported
 Federal Flag: Yes
 Contact Name: JOHN KING
 Contact Title: OWNER
 Contact Phone: 501-338-7735
 Certified Name: R. MCCOLLUM
 Certified Title: NOT SHOWN
 Date Signed: 02/09/1990
 Amended: Yes
 No Bill: Not reported
 Facility Entry Clerk: GCRAAGG
 Facility Update Date: 05/12/2003
 Facility Update Clerk: LYNDA
 Latitude: Not reported
 Longitude: Not reported

Owner:
 Owner ID: 000699
 Owner Name: MID-SOUTH SALES INC
 Owner Address: 243 CR 414
 Owner City,St,Zip: JONESBORO, AR 72404
 Owner County: CRAIGHEAD
 Owner Phone: 8709336457
 Owner Type: Private Industry

Tank Info:
 Facility ID: 54000096
 Record Created By: Not reported
 Record Created Date: 01/23/1991
 Record Modified By: Not reported
 Record Modified Date: Not reported
 Site Assessment Date: Not reported
 Site Assessment Leak: Not reported
 Certificate of Compliance Final Test Date: Not reported
 Certificate of Compliance Test Company License: Not reported
 Certificate of Compliance Tester License: Not reported
 Certificate of Compliance Installation Date: Not reported
 Certificate of Compliance Install Company License: Not reported
 Certificate of Compliance Installer License: Not reported

Tank ID: 1

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KINGWELL FARMS (Continued)

U001533200

Tank Status: Permanently Out of Service 12/01/1989
Install Date: 01/01/1982
Tank Contents: Diesel
Cercdis Name: Not reported
Tank Material: Steel
GIS Location: Not reported
Federal Flag: Not reported
Hazardous: Not reported
Capacity in Gallons: 2000
Number of Compartments: 1
Decode for Tstatus: Permanently Out of Use
Release Detection: Unknown
Release Detection Install Date: Not reported
Tank External Corrosion Protection: Unknown
Tank Ext Corrosion Protection Install Date: Not reported
Pipe Material: Galvanized Steel
Pipe Type: Unknown
Pipe Release Detection: Unknown
Pipe Corrosion Protection: Unknown
Tank Spill and Overfill Protection: Unknown
Pipe Repaired: Not reported
Pipe Corrosion Protection: Unknown
Corrosion Protection: Not reported
Spill and Overflow: Not reported
Release Detection: Not reported
Tank Comments: Not reported

AST:

Facility Id: 54000096
AFIN: 5400034
Date Owner Notice Rec: 02/14/1990
Active Site: Not reported
Underground-Aboveground: Not reported
Underground Temp Out: Not reported
Aboveground Temp Out: Not reported
Underground Perm Out: Yes
Aboveground Perm Out: Yes
Aboveground in Use: Not reported
Underground in Use: Not reported
Aboveground: Yes
Below Ground: Yes
Federal Flag: Yes
No Bill: Not reported
Date Signed: 02/09/1990
Amendments Exist for Facility: Yes
Date Reg Cert. Issued: 06/07/1994
Leaking UST Incident: Not reported
Leak Id Number: Not reported
With Inspection Pix: Not reported
With Inspection Reports: Not reported
Contact Title: OWNER
Contact Name: JOHN KING
Contact Phone: 5013387735
Certified Title: NOT SHOWN
Certified Name: R. MCCOLLUM
Entry Clerk: GCRAGG
Entry Date: 01/23/1991

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KINGWELL FARMS (Continued)

U001533200

Update Clerk: LYNDA
Update Date: 05/12/2003
Latitude: Not reported
Longitude: Not reported

Owner:
Owner ID: 000699
Owner Name: MID-SOUTH SALES INC
Owner Address: 243 CR 414
Owner City,St,Zip: JONESBORO, AR 72404
Owner County: CRAIGHEAD
Owner Phone: 8709336457
Owner Type: Private Industry

Tank Info:
Facility ID: 54000096
Tank ID: 1
Tank Status: Permanently Out of Service
Tank Status Date: Not reported
Capacity: 7000
Install Date: Not reported
Last Used Date: Not reported
Removal Status: Not reported
Gallons Removed: 0
Number of Compartments: 1
Tank Material: Steel
Tank Material Other: Not reported
Currently or Last Substance Stored: Diesel
Other Substance Description: FARM TANK
Piping Material: Galvanized Steel
Internal Corrosion Protection: None
External Corrosion Prot: External Cathodic, None
GIS Location ID: Not reported
REC Create By: Not reported
REC Create Date: Not reported
REC Modified By: NORTONC
REC Modified Date: 01/08/2002
Tank Comments: Not reported
Decode for Tstatus: Permanently Out of Use

Count: 0 records.

ORPHAN SUMMARY

<u>City</u>	<u>EDR ID</u>	<u>Site Name</u>	<u>Site Address</u>	<u>Zip</u>	<u>Database(s)</u>
NO SITES FOUND					

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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

Date of Government Version: 12/30/2020	Source: EPA
Date Data Arrived at EDR: 01/14/2021	Telephone: N/A
Date Made Active in Reports: 02/09/2021	Last EDR Contact: 03/04/2021
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/12/2021
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

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

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

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

Date of Government Version: 12/30/2020	Source: EPA
Date Data Arrived at EDR: 01/14/2021	Telephone: N/A
Date Made Active in Reports: 02/09/2021	Last EDR Contact: 03/04/2021
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/12/2021
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 26

Source: EPA
Telephone: N/A
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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

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

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 12/30/2020	Source: EPA
Date Data Arrived at EDR: 01/14/2021	Telephone: 800-424-9346
Date Made Active in Reports: 02/18/2021	Last EDR Contact: 03/04/2021
Number of Days to Update: 35	Next Scheduled EDR Contact: 04/26/2021
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/14/2020	Source: EPA
Date Data Arrived at EDR: 12/17/2020	Telephone: 800-424-9346
Date Made Active in Reports: 12/22/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 5	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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

Date of Government Version: 12/14/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/17/2020	Telephone: 214-665-6444
Date Made Active in Reports: 12/22/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 5	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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

Date of Government Version: 12/14/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/17/2020	Telephone: 214-665-6444
Date Made Active in Reports: 12/22/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 5	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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

Date of Government Version: 12/14/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/17/2020	Telephone: 214-665-6444
Date Made Active in Reports: 12/22/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 5	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

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

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

Date of Government Version: 12/14/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/17/2020	Telephone: 214-665-6444
Date Made Active in Reports: 12/22/2020	Last EDR Contact: 12/17/2020
Number of Days to Update: 5	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

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

Date of Government Version: 11/11/2020	Source: Department of the Navy
Date Data Arrived at EDR: 11/17/2020	Telephone: 843-820-7326
Date Made Active in Reports: 02/09/2021	Last EDR Contact: 02/08/2021
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/24/2021
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

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

Date of Government Version: 10/28/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2020	Telephone: 703-603-0695
Date Made Active in Reports: 11/18/2020	Last EDR Contact: 02/23/2021
Number of Days to Update: 13	Next Scheduled EDR Contact: 06/06/2021
	Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

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

Date of Government Version: 10/28/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/05/2020	Telephone: 703-603-0695
Date Made Active in Reports: 11/18/2020	Last EDR Contact: 02/23/2021
Number of Days to Update: 13	Next Scheduled EDR Contact: 06/06/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

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

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/15/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 7

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

State- and tribal - equivalent NPL

SHWS: Hazardous Substance Remedial Action Trust Fund Priority List

A partial prioritized listing of sites at which remedial actions and/or investigations shall be provided by the Hazardous Substance Remedial Action Trust Fund.

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 76

Source: Department of Environmental Quality
Telephone: 501-682-0850
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Annually

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

SWF/LF: Solid Waste Facility Permit Database

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

Date of Government Version: 11/01/2020
Date Data Arrived at EDR: 11/03/2020
Date Made Active in Reports: 01/20/2021
Number of Days to Update: 78

Source: Department of Environmental Quality
Telephone: 501-682-0597
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

SWID: Solid Waste Illegal Dumps Database

A listing of illegal solid waste dumps.

Date of Government Version: 10/31/2020
Date Data Arrived at EDR: 11/03/2020
Date Made Active in Reports: 01/20/2021
Number of Days to Update: 78

Source: Department of Environmental Quality
Telephone: 501-682-0600
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LTANKS: Leaking Underground Storage Tank Data

A listing of leaking underground and aboveground storage tank locations.

Date of Government Version: 12/11/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 02/26/2021
Number of Days to Update: 77

Source: Department of Environmental Quality
Telephone: 501-682-0984
Last EDR Contact: 12/11/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 11/12/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land
Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/07/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/09/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

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

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 12/22/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

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

Date of Government Version: 10/02/2020
Date Data Arrived at EDR: 12/18/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 84

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/01/2020
Date Data Arrived at EDR: 12/16/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 86

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 12/16/2020
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-6597
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 07/21/2020	Source: FEMA
Date Data Arrived at EDR: 09/03/2020	Telephone: 202-646-5797
Date Made Active in Reports: 11/25/2020	Last EDR Contact: 01/04/2021
Number of Days to Update: 83	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: Varies

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

Date of Government Version: 12/11/2020	Source: Department of Environmental Quality
Date Data Arrived at EDR: 12/11/2020	Telephone: 501-682-0984
Date Made Active in Reports: 02/26/2021	Last EDR Contact: 12/11/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 03/29/2021
	Data Release Frequency: Quarterly

AST: Aboveground Tank Database
Aboveground storage tank locations.

Date of Government Version: 12/11/2020	Source: Department of Environmental Quality
Date Data Arrived at EDR: 12/11/2020	Telephone: 501-682-0984
Date Made Active in Reports: 02/26/2021	Last EDR Contact: 12/11/2020
Number of Days to Update: 77	Next Scheduled EDR Contact: 03/29/2021
	Data Release Frequency: Quarterly

INDIAN UST R4: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/02/2020	Source: EPA Region 4
Date Data Arrived at EDR: 12/18/2020	Telephone: 404-562-9424
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/01/2020	Source: EPA, Region 1
Date Data Arrived at EDR: 12/16/2020	Telephone: 617-918-1313
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R10: Underground Storage Tanks on Indian Land

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

Date of Government Version: 11/12/2020	Source: EPA Region 10
Date Data Arrived at EDR: 12/16/2020	Telephone: 206-553-2857
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/15/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

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

Date of Government Version: 04/08/2020	Source: EPA Region 6
Date Data Arrived at EDR: 05/20/2020	Telephone: 214-665-7591
Date Made Active in Reports: 08/12/2020	Last EDR Contact: 12/16/2020
Number of Days to Update: 84	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/01/2020	Source: EPA Region 9
Date Data Arrived at EDR: 12/16/2020	Telephone: 415-972-3368
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

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

Date of Government Version: 09/30/2020	Source: EPA Region 7
Date Data Arrived at EDR: 12/22/2020	Telephone: 913-551-7003
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 80	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/07/2020	Source: EPA Region 5
Date Data Arrived at EDR: 12/16/2020	Telephone: 312-886-6136
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

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

Date of Government Version: 10/09/2020	Source: EPA Region 8
Date Data Arrived at EDR: 12/16/2020	Telephone: 303-312-6137
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/16/2020
Number of Days to Update: 86	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ENG CONTROLS: Engineering Controls Sites Listing

A listing of sites with engineering controls in place.

Date of Government Version: 11/09/2020	Source: Department of Environmental Quality
Date Data Arrived at EDR: 11/10/2020	Telephone: 501-682-0867
Date Made Active in Reports: 01/26/2021	Last EDR Contact: 02/09/2021
Number of Days to Update: 77	Next Scheduled EDR Contact: 05/24/2021
	Data Release Frequency: Varies

INST CONTROL: Institutional Control/Land Use Restriction Sites

Sites that have institutional controls and/or land use restrictions in place.

Date of Government Version: 11/09/2020	Source: Department of Environmental Quality
Date Data Arrived at EDR: 11/10/2020	Telephone: 501-682-0867
Date Made Active in Reports: 01/26/2021	Last EDR Contact: 02/09/2021
Number of Days to Update: 77	Next Scheduled EDR Contact: 05/24/2021
	Data Release Frequency: Varies

State and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Sites

A listing of Voluntary Cleanup Program projects.

Date of Government Version: 03/05/2020	Source: Department of Environmental Quality
Date Data Arrived at EDR: 05/14/2020	Telephone: 501-682-0867
Date Made Active in Reports: 07/27/2020	Last EDR Contact: 02/12/2021
Number of Days to Update: 74	Next Scheduled EDR Contact: 05/24/2021
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

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

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

INDIAN VCP R1: Voluntary Cleanup Priority Listing

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

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 12/15/2020
Number of Days to Update: 142	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Varies

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Projects

Projects that the Department of Environmental Quality has received Brownfields applications for.

Date of Government Version: 11/09/2020	Source: Department of Environmental Quality
Date Data Arrived at EDR: 11/10/2020	Telephone: 501-682-0867
Date Made Active in Reports: 01/26/2021	Last EDR Contact: 02/09/2021
Number of Days to Update: 77	Next Scheduled EDR Contact: 05/24/2021
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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

Date of Government Version: 12/11/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/11/2020	Telephone: 202-566-2777
Date Made Active in Reports: 03/02/2021	Last EDR Contact: 12/11/2020
Number of Days to Update: 81	Next Scheduled EDR Contact: 03/29/2021
	Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Recycling Directory

A listing of recycling facilities.

Date of Government Version: 11/02/2020	Source: Department of Environmental Quality
Date Data Arrived at EDR: 11/03/2020	Telephone: 501-682-0865
Date Made Active in Reports: 01/20/2021	Last EDR Contact: 02/02/2021
Number of Days to Update: 78	Next Scheduled EDR Contact: 05/17/2021
	Data Release Frequency: Semi-Annually

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

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 01/25/2021
Number of Days to Update: 52	Next Scheduled EDR Contact: 05/10/2021
	Data Release Frequency: Varies

ODI: Open Dump Inventory

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

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

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

Date of Government Version: 01/12/2009	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 01/19/2021
Number of Days to Update: 137	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

IHS OPEN DUMPS: Open Dumps on Indian Land

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

Date of Government Version: 04/01/2014	Source: Department of Health & Human Services, Indian Health Service
Date Data Arrived at EDR: 08/06/2014	Telephone: 301-443-1452
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 01/29/2021
Number of Days to Update: 176	Next Scheduled EDR Contact: 05/10/2021
	Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

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

Date of Government Version: 12/07/2020	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 12/09/2020	Telephone: 202-307-1000
Date Made Active in Reports: 03/02/2021	Last EDR Contact: 02/22/2021
Number of Days to Update: 83	Next Scheduled EDR Contact: 06/06/2021
	Data Release Frequency: No Update Planned

CDL: Methamphetamine Contaminated Properties Listing

A listing of properties believed to be contaminated by the illegal manufacture of drugs.

Date of Government Version: 10/19/2020	Source: Department of Environmental Quality
Date Data Arrived at EDR: 10/19/2020	Telephone: 501-683-1552
Date Made Active in Reports: 01/07/2021	Last EDR Contact: 01/20/2021
Number of Days to Update: 80	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

US CDL: Clandestine Drug Labs

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

Date of Government Version: 12/07/2020	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 12/09/2020	Telephone: 202-307-1000
Date Made Active in Reports: 03/02/2021	Last EDR Contact: 02/22/2021
Number of Days to Update: 83	Next Scheduled EDR Contact: 06/06/2021
	Data Release Frequency: Quarterly

PFAS: Per- and Polyfluoroalkyl Substances

A listing of PFAS contaminated sites. PFAS is a class of chemicals that includes PFOA (perfluorooctanoic acid), PFOS (perfluorooctanesulfonic acid), PFNA (perfluorononanoic acid) and PFHxA (perfluorohexanoic acid). PFOA and PFOS, are the most commonly found and potent PFASs at contamination sites.

Date of Government Version: 09/10/2020	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/15/2020	Telephone: 501-683-6977
Date Made Active in Reports: 12/07/2020	Last EDR Contact: 03/08/2021
Number of Days to Update: 83	Next Scheduled EDR Contact: 06/21/2021
	Data Release Frequency: Varies

Local Land Records

LIENS 2: CERCLA Lien Information

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

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

Date of Government Version: 12/16/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/12/2021
Number of Days to Update: 85

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

SPILLS: Emergency Response Incidents

Spills and releases notified to the Department of Environmental Quality

Date of Government Version: 10/04/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 12/23/2020
Number of Days to Update: 78

Source: Department of Environmental Quality
Telephone: 501-682-0716
Last EDR Contact: 01/05/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

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

Date of Government Version: 05/08/2011
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

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

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/06/2013
Number of Days to Update: 62

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

Other Ascertainable Records

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

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

Date of Government Version: 12/14/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 12/22/2020
Number of Days to Update: 5

Source: Environmental Protection Agency
Telephone: 214-665-6444
Last EDR Contact: 12/17/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FUDS: Formerly Used Defense Sites

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

Date of Government Version: 09/29/2020	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 11/17/2020	Telephone: 202-528-4285
Date Made Active in Reports: 01/25/2021	Last EDR Contact: 02/17/2021
Number of Days to Update: 69	Next Scheduled EDR Contact: 05/31/2021
	Data Release Frequency: Varies

DOD: Department of Defense Sites

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

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 01/15/2021
Number of Days to Update: 62	Next Scheduled EDR Contact: 04/26/2021
	Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

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

Date of Government Version: 04/02/2018	Source: U.S. Geological Survey
Date Data Arrived at EDR: 04/11/2018	Telephone: 888-275-8747
Date Made Active in Reports: 11/06/2019	Last EDR Contact: 01/07/2021
Number of Days to Update: 574	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

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

Date of Government Version: 01/01/2017	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/03/2017	Telephone: 615-532-8599
Date Made Active in Reports: 04/07/2017	Last EDR Contact: 02/09/2021
Number of Days to Update: 63	Next Scheduled EDR Contact: 05/24/2021
	Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

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

Date of Government Version: 12/14/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/17/2020	Telephone: 202-566-1917
Date Made Active in Reports: 03/12/2021	Last EDR Contact: 12/17/2020
Number of Days to Update: 85	Next Scheduled EDR Contact: 04/05/2021
	Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

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

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

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/05/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

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

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

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

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

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

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 02/02/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

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

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/21/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Annually

ROD: Records Of Decision

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

Date of Government Version: 12/30/2020
Date Data Arrived at EDR: 01/14/2021
Date Made Active in Reports: 02/18/2021
Number of Days to Update: 35

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 03/04/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RMP: Risk Management Plans

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

Date of Government Version: 11/02/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/12/2020	Telephone: 202-564-8600
Date Made Active in Reports: 01/25/2021	Last EDR Contact: 01/19/2021
Number of Days to Update: 74	Next Scheduled EDR Contact: 05/03/2021
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

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

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/30/2020	Source: EPA
Date Data Arrived at EDR: 01/14/2021	Telephone: 202-564-6023
Date Made Active in Reports: 03/05/2021	Last EDR Contact: 03/11/2021
Number of Days to Update: 50	Next Scheduled EDR Contact: 05/17/2021
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

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

Date of Government Version: 10/09/2019	Source: EPA
Date Data Arrived at EDR: 10/11/2019	Telephone: 202-566-0500
Date Made Active in Reports: 12/20/2019	Last EDR Contact: 01/08/2021
Number of Days to Update: 70	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

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

Date of Government Version: 11/18/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/23/2016	Telephone: 202-564-2501
Date Made Active in Reports: 02/10/2017	Last EDR Contact: 12/30/2020
Number of Days to Update: 79	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

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

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

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

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System

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

Date of Government Version: 08/05/2020
Date Data Arrived at EDR: 08/10/2020
Date Made Active in Reports: 10/08/2020
Number of Days to Update: 59

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/19/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

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

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 70

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 03/05/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

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

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 03/02/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

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

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/05/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

RADINFO: Radiation Information Database

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/12/2021
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

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

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

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

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

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

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

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

DOT OPS: Incident and Accident Data

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

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

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/27/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

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

Date of Government Version: 09/30/2020
Date Data Arrived at EDR: 10/08/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 88

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

BRS: Biennial Reporting System

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

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 06/22/2020
Date Made Active in Reports: 11/20/2020
Number of Days to Update: 151

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/23/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

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

Date of Government Version: 12/31/2014	Source: USGS
Date Data Arrived at EDR: 07/14/2015	Telephone: 202-208-3710
Date Made Active in Reports: 01/10/2017	Last EDR Contact: 01/08/2021
Number of Days to Update: 546	Next Scheduled EDR Contact: 04/19/2021
	Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

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

Date of Government Version: 08/08/2017	Source: Department of Energy
Date Data Arrived at EDR: 09/11/2018	Telephone: 202-586-3559
Date Made Active in Reports: 09/14/2018	Last EDR Contact: 02/02/2021
Number of Days to Update: 3	Next Scheduled EDR Contact: 05/17/2021
	Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

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

Date of Government Version: 08/30/2019	Source: Department of Energy
Date Data Arrived at EDR: 11/15/2019	Telephone: 505-845-0011
Date Made Active in Reports: 01/28/2020	Last EDR Contact: 02/18/2021
Number of Days to Update: 74	Next Scheduled EDR Contact: 05/31/2021
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 12/30/2020	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/14/2021	Telephone: 703-603-8787
Date Made Active in Reports: 02/09/2021	Last EDR Contact: 03/04/2021
Number of Days to Update: 26	Next Scheduled EDR Contact: 04/12/2021
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

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

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

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

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

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

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

US MINES: Mines Master Index File

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

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/23/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 63

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 02/24/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

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

Date of Government Version: 11/24/2020
Date Data Arrived at EDR: 11/30/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 56

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 03/01/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

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

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

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/11/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 03/02/2021
Number of Days to Update: 81

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

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

Date of Government Version: 11/04/2020
Date Data Arrived at EDR: 12/01/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 55

Source: EPA
Telephone: (214) 665-2200
Last EDR Contact: 03/03/2021
Next Scheduled EDR Contact: 06/14/2021
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

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

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/15/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

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

Date of Government Version: 10/03/2020
Date Data Arrived at EDR: 10/06/2020
Date Made Active in Reports: 01/04/2021
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

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

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/17/2020
Date Made Active in Reports: 02/09/2021
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 06/06/2021
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

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

Date of Government Version: 11/13/2020
Date Data Arrived at EDR: 11/13/2020
Date Made Active in Reports: 01/25/2021
Number of Days to Update: 73

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 02/17/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Quarterly

AIRS: Permitted Facility Emission & Stack Data

Permitted facility emissions and stack data for the state.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/17/2020
Date Data Arrived at EDR: 12/17/2020
Date Made Active in Reports: 03/09/2021
Number of Days to Update: 82

Source: Department of Environmental Quality
Telephone: 501-682-0726
Last EDR Contact: 12/15/2020
Next Scheduled EDR Contact: 04/05/2021
Data Release Frequency: Quarterly

ASBESTOS: Asbestos Notification of Intent Database

The database contains all properties/facilities that have submitted a Notice of Intent for renovation or demolition activities.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: Department of Environmental Quality
Telephone: 501-682-0717
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Quarterly

COAL ASH: Coal Ash Disposal Site Listing

A listing of coal ash disposal site locations.

Date of Government Version: 04/23/2020
Date Data Arrived at EDR: 04/29/2020
Date Made Active in Reports: 07/16/2020
Number of Days to Update: 78

Source: Department of Environmental Quality
Telephone: 501-682-0600
Last EDR Contact: 02/01/2021
Next Scheduled EDR Contact: 05/17/2021
Data Release Frequency: Varies

ENFORCEMENT: Consent Administrative Order, Notice of Violation Information Database

Violations issued to facilities in various Department of Environmental Quality programs, including Air, Hazardous Waste, Storage Tanks, Solid Waste and Water.

Date of Government Version: 10/19/2020
Date Data Arrived at EDR: 10/19/2020
Date Made Active in Reports: 01/07/2021
Number of Days to Update: 80

Source: Department of Environmental Quality
Telephone: 501-682-0892
Last EDR Contact: 01/20/2021
Next Scheduled EDR Contact: 05/03/2021
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

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

Date of Government Version: 09/16/2019
Date Data Arrived at EDR: 09/18/2019
Date Made Active in Reports: 11/19/2019
Number of Days to Update: 62

Source: Department of Environmental Quality
Telephone: 501-682-0876
Last EDR Contact: 12/18/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

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

Date of Government Version: 03/31/2014
Date Data Arrived at EDR: 04/18/2014
Date Made Active in Reports: 05/13/2014
Number of Days to Update: 25

Source: Department of Environmental Quality
Telephone: 501-682-0589
Last EDR Contact: 01/08/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Quarterly

Financial Assurance 3: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities.

Date of Government Version: 12/11/2020
Date Data Arrived at EDR: 12/11/2020
Date Made Active in Reports: 02/26/2021
Number of Days to Update: 77

Source: Department of Environmental Quality
Telephone: 501-682-0979
Last EDR Contact: 12/11/2020
Next Scheduled EDR Contact: 03/29/2021
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

PERMITS: Permit Data System

A list of sites permitted by the Department of Environmental Quality, including Air, Mining, Solid Waste and Water.

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/19/2021
Number of Days to Update: 77

Source: Department of Environmental Quality
Telephone: 501-682-0673
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

SLUDGE: Poultry Sludge Permit Sites

Broiler fryer roast chickens, chicken eggs, poultry hatcheries, poultry and egg processing sites.

Date of Government Version: 12/04/2020
Date Data Arrived at EDR: 12/04/2020
Date Made Active in Reports: 02/19/2021
Number of Days to Update: 77

Source: Department of Environmental Quality
Telephone: 501-682-0673
Last EDR Contact: 03/09/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Quarterly

TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 09/24/2014
Date Made Active in Reports: 10/29/2014
Number of Days to Update: 35

Source: Department of Environmental Management
Telephone: 501-683-6700
Last EDR Contact: 02/08/2021
Next Scheduled EDR Contact: 05/24/2021
Data Release Frequency: Varies

UIC: Underground Injection Wells Database Listing

A listing of wells identified as Underground Injection Wells, in the Arkansas Oil and Gas Wells data base.

Date of Government Version: 09/21/2020
Date Data Arrived at EDR: 10/09/2020
Date Made Active in Reports: 12/29/2020
Number of Days to Update: 81

Source: Arkansas Oil & Gas Commission
Telephone: 870-862-4965
Last EDR Contact: 01/12/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Varies

PCS: Permit Compliance System

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

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

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits

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

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

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 01/04/2021
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Semi-Annually

PCS ENF: Enforcement data

No description is available for this data

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

Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/30/2020
Next Scheduled EDR Contact: 04/19/2021
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

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

Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 02/26/2021
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

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

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

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

EDR Hist Auto: EDR Exclusive Historical Auto Stations

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

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

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

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

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

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

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Arkansas.

Date of Government Version: N/A	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/02/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 185	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

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

Date of Government Version: N/A	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/16/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 199	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Quality in Arkansas.

Date of Government Version: N/A	Source: Department of Environmental Quality
Date Data Arrived at EDR: 07/01/2013	Telephone: N/A
Date Made Active in Reports: 01/04/2014	Last EDR Contact: 06/01/2012
Number of Days to Update: 187	Next Scheduled EDR Contact: N/A
	Data Release Frequency: Varies

OTHER DATABASE(S)

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

CT MANIFEST: Hazardous Waste Manifest Data

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

Date of Government Version: 08/10/2020	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 10/20/2020	Telephone: 860-424-3375
Date Made Active in Reports: 11/02/2020	Last EDR Contact: 02/12/2021
Number of Days to Update: 13	Next Scheduled EDR Contact: 05/24/2021
	Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

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

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/29/2021
Next Scheduled EDR Contact: 05/10/2021
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

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

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/11/2021
Next Scheduled EDR Contact: 04/26/2021
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 02/11/2021
Date Made Active in Reports: 02/24/2021
Number of Days to Update: 13

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 02/09/2021
Next Scheduled EDR Contact: 05/31/2021
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

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

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 03/08/2021
Next Scheduled EDR Contact: 06/21/2021
Data Release Frequency: Annually

Oil/Gas Pipelines

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

Electric Power Transmission Line Data

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

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

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

Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

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

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

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

HELENA HARBOR SITE CERTIFICATION
7318 ARKANSAS 20
HELENA, AR 72342

TARGET PROPERTY COORDINATES

Latitude (North): 34.405867 - 34° 24' 21.12"
Longitude (West): 90.660001 - 90° 39' 36.00"
Universal Tranverse Mercator: Zone 15
UTM X (Meters): 715087.4
UTM Y (Meters): 3809446.0
Elevation: 175 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map: 5639000 FRIARS POINT NW, MS
Version Date: 2012

East Map: 5630923 MOON LAKE, MS
Version Date: 2012

Southeast Map: 5630903 COAHOMA, MS
Version Date: 2012

South Map: 5630907 FRIARS POINT, MS
Version Date: 2012

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

<u>Flood Plain Panel at Target Property</u>	<u>FEMA Source Type</u>
28027C0045D	FEMA FIRM Flood data
<u>Additional Panels in search area:</u>	<u>FEMA Source Type</u>
Not Reported	

NATIONAL WETLAND INVENTORY

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

HYDROGEOLOGIC INFORMATION

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

AQUIFLOW®

Search Radius: 1.000 Mile.

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

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

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

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

ROCK STRATIGRAPHIC UNIT

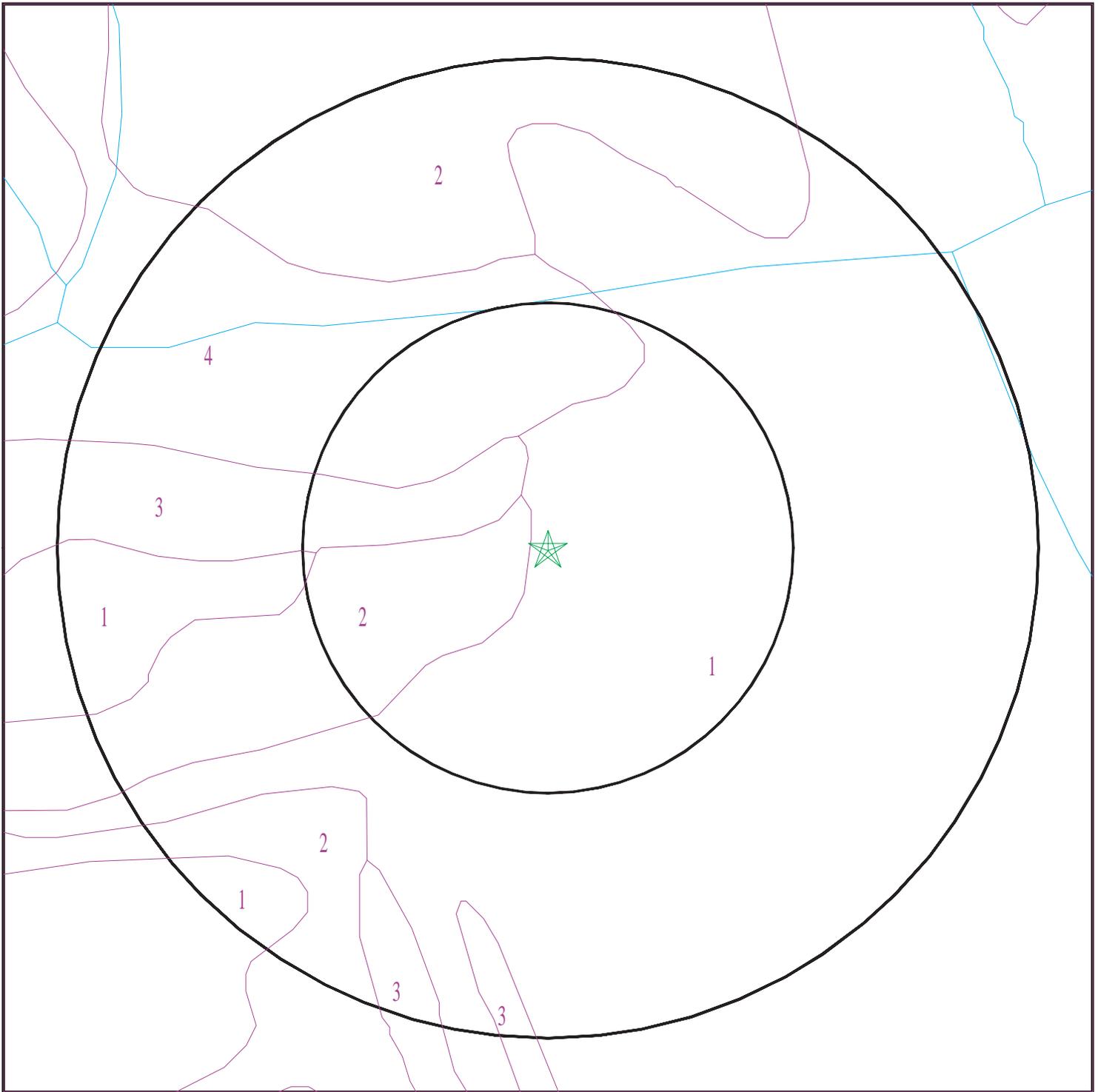
Era:	Cenozoic
System:	Quaternary
Series:	Holocene
Code:	Qh <i>(decoded above as Era, System & Series)</i>

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

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

SSURGO SOIL MAP - 6405422.2s



- ★ Target Property
- ∩ SSURGO Soil
- ∩ Water



SITE NAME: Helena Harbor Site Certification
ADDRESS: 7318 Arkansas 20
Helena AR 72342
LAT/LONG: 34.405867 / 90.660001

CLIENT: Geotechnology
CONTACT: Cody Flynn
INQUIRY #: 6405422.2s
DATE: March 15, 2021 12:08 pm

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Sharkey

Soil Surface Texture: silty clay

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

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	silty clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
2	5 inches	46 inches	clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6
3	46 inches	72 inches	clay	Not reported	Not reported	Max: 1.4 Min: 0.42	Max: 8.4 Min: 6.6

Soil Map ID: 2

Soil Component Name: Tunica

Soil Surface Texture: silty clay

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

Soil Drainage Class: Poorly drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 30 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	silty clay	Not reported	Not reported	Max: 14 Min: 0.42	Max: 8.4 Min: 5.6
2	5 inches	27 inches	silty clay	Not reported	Not reported	Max: 14 Min: 0.42	Max: 8.4 Min: 5.6
3	27 inches	55 inches	fine sandy loam	Not reported	Not reported	Max: 14 Min: 0.42	Max: 8.4 Min: 5.6

Soil Map ID: 3

Soil Component Name: Tunica

Soil Surface Texture: silty clay

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

Soil Drainage Class: Poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 30 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	5 inches	silty clay	Not reported	Not reported	Max: 14 Min: 0.42	Max: 8.4 Min: 5.6
2	5 inches	27 inches	silty clay	Not reported	Not reported	Max: 14 Min: 0.42	Max: 8.4 Min: 5.6

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
3	27 inches	55 inches	fine sandy loam	Not reported	Not reported	Max: 14 Min: 0.42	Max: 8.4 Min: 5.6

Soil Map ID: 4

Soil Component Name: Newellton

Soil Surface Texture: silty clay

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

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	3 inches	silty clay	Not reported	Not reported	Max: 14 Min: 1.4	Max: 8.4 Min: 5.1
2	3 inches	14 inches	silty clay	Not reported	Not reported	Max: 14 Min: 1.4	Max: 8.4 Min: 5.1
3	14 inches	72 inches	sr to very fine sandy loam to silty clay loam	Not reported	Not reported	Max: 14 Min: 1.4	Max: 8.4 Min: 5.1

LOCAL / REGIONAL WATER AGENCY RECORDS

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	2.500
Federal FRDS PWS	Nearest PWS within 1.500 miles
State Database	2.500

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000077638	1/4 - 1/2 Mile NNE
2	USGS40000077489	1/2 - 1 Mile ESE
4	USGS40000077674	1/2 - 1 Mile NE
5	USGS40000077627	1/2 - 1 Mile WNW
6	USGS40000077820	1 - 2 Miles North
7	USGS40000077807	1 - 2 Miles NNW
11	USGS40000077592	1 - 2 Miles West
14	USGS40000077863	1 - 2 Miles NNE
15	USGS40000077404	1 - 2 Miles WSW
16	USGS40000077696	1 - 2 Miles WNW
A20	USGS40000077482	1 - 2 Miles West
24	USGS40000077744	1 - 2 Miles WNW
25	USGS40000077908	1 - 2 Miles NNW
28	USGS40000077508	1 - 2 Miles West
29	USGS40000077271	1 - 2 Miles SW
31	USGS40000077801	1 - 2 Miles NW
33	USGS40000077830	1 - 2 Miles NW
34	USGS40000077608	1 - 2 Miles West
B35	USGS40000077849	1 - 2 Miles NW
36	USGS40000077888	1 - 2 Miles NW
37	USGS40000077628	2 - 3 Miles West
38	USGS40000077915	2 - 3 Miles NW
39	USGS40000077477	2 - 3 Miles West
41	USGS40000077802	2 - 3 Miles WNW
46	USGS40000077205	2 - 3 Miles SW
47	USGS40000077956	2 - 3 Miles NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

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

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

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

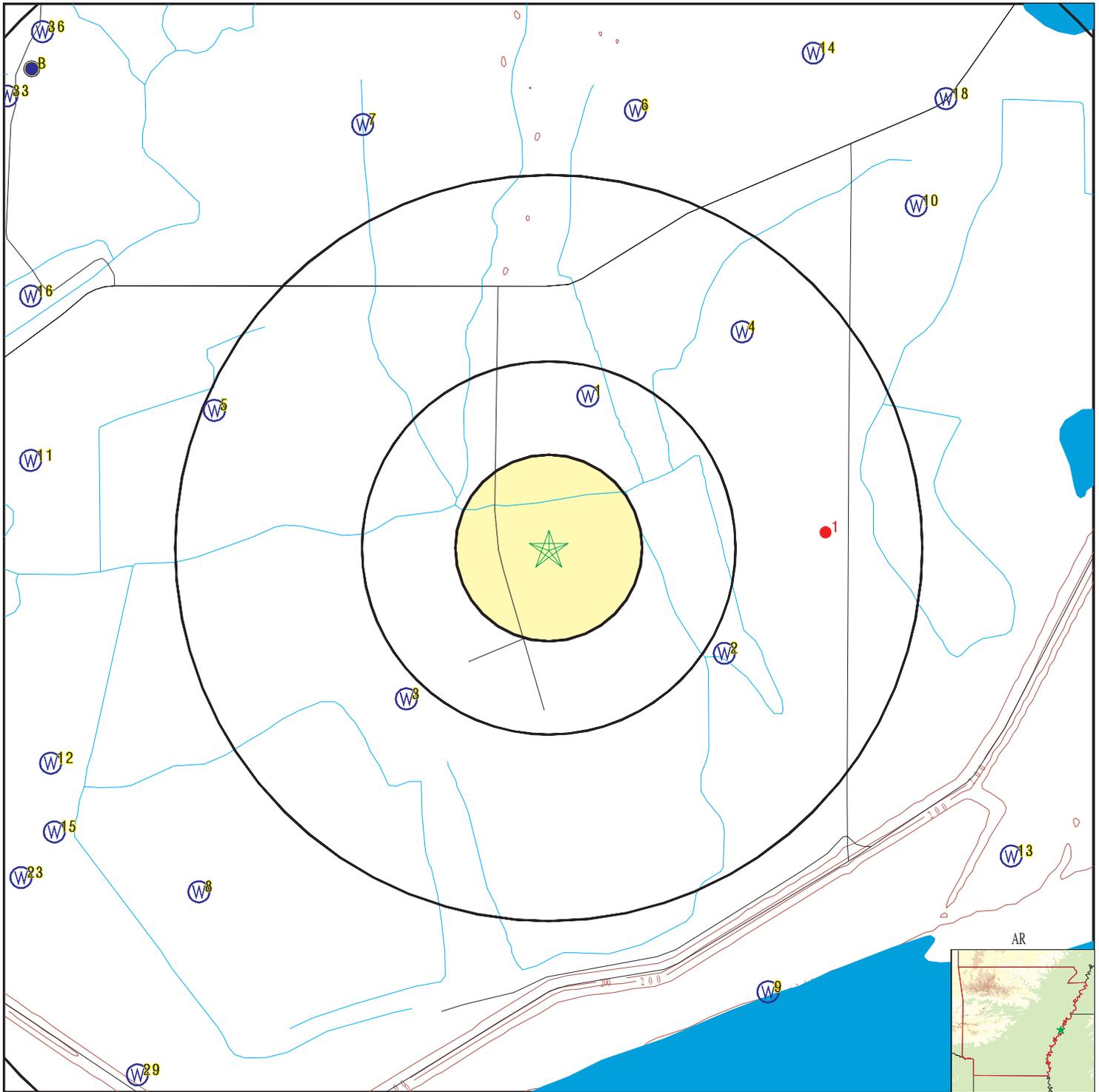
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
3	AR1000000006521	1/2 - 1 Mile SW
8	AR1000000006475	1 - 2 Miles SW
9	AR1000000006188	1 - 2 Miles SSE
10	AR10000000050553	1 - 2 Miles NE
12	AR1000000006522	1 - 2 Miles WSW
13	AR1000000006040	1 - 2 Miles ESE
17	AR1000000006557	1 - 2 Miles West
18	AR1000000006078	1 - 2 Miles NE
19	AR1000000006349	1 - 2 Miles South
A21	AR1000000006568	1 - 2 Miles WSW
22	AR1000000006574	1 - 2 Miles West
23	AR1000000006536	1 - 2 Miles WSW
26	AR1000000006583	1 - 2 Miles West
27	AR1000000006584	1 - 2 Miles West
30	AR1000000006589	1 - 2 Miles WSW
B32	AR1000000006526	1 - 2 Miles NW
40	AR1000000006644	2 - 3 Miles WSW
42	AR1000000006681	2 - 3 Miles West
43	AR1000000006572	2 - 3 Miles SW
44	AR1000000005942	2 - 3 Miles NE
45	AR1000000006069	2 - 3 Miles NNE

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	AROG70000029580	1/2 - 1 Mile East

PHYSICAL SETTING SOURCE MAP - 6405422.2s



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

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

SITE NAME: Helena Harbor Site Certification
 ADDRESS: 7318 Arkansas 20
 Helena AR 72342
 LAT/LONG: 34.405867 / 90.660001

CLIENT: Geotechnology
 CONTACT: Cody Flynn
 INQUIRY #: 6405422.2s
 DATE: March 15, 2021 12:08 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1
NNE
1/4 - 1/2 Mile
Higher

FED USGS USGS40000077638

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E23CD1	Type:	Well
Description:	52055	HUC:	08020304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	120
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

2
ESE
1/2 - 1 Mile
Lower

FED USGS USGS40000077489

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E35BB1	Type:	Well
Description:	52058	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	125
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

3
SW
1/2 - 1 Mile
Lower

AR WELLS AR100000006521

Well id:	90409434249001	Original w:	904094342490
City and z:	HELENA, AR 72342	County nam:	PHILLIPS
Latitude:	34-24-00	Longitude:	90-40-00
Well statu:	New Well	Depth:	90
Date well:	20060907	Use code:	Not Reported
Owner name:	JOHN KING	Driller na:	WILLIAM YOUNG
Remarks:	Not Reported	Site id:	AR100000006521

4
NE
1/2 - 1 Mile
Higher

FED USGS USGS40000077674

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E23DB1	Type:	Well
Description:	52055	HUC:	08020304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer:	Mississippi River Valley alluvial aquifer		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	120
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

5
WNW
1/2 - 1 Mile
Higher

FED USGS USGS40000077627

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E22CD1	Type:	Well
Description:	52055	HUC:	08020304
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	120
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

6
North
1 - 2 Miles
Higher

FED USGS USGS40000077820

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E22DB1	Type:	Well
Description:	52056	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	125
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

7
NNW
1 - 2 Miles
Lower

FED USGS USGS40000077807

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E22CB1	Type:	Well
Description:	52055	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	125
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

8
SW
1 - 2 Miles
Higher

AR WELLS AR100000006475

Well id:	90403534233301	Original w:	904035342333
City and z:	JOUINER, AR. 72350	County nam:	PHILLIPS
Latitude:	34-23-33	Longitude:	90-40-35
Well statu:	New Well	Depth:	90
Date well:	20020420	Use code:	Not Reported
Owner name:	WADE WHISTLE	Driller na:	BILLY JUMPER
Remarks:	Not Reported	Site id:	AR100000006475

9
SSE
1 - 2 Miles
Lower

AR WELLS AR100000006188

Well id:	90385934231901	Original w:	903859342319
City and z:	HELENA, AR 72342	County nam:	PHILLIPS
Latitude:	34-23-19	Longitude:	90-38-59
Well statu:	New Well	Depth:	90
Date well:	19960701	Use code:	IR
Owner name:	MIKE TAYLOR	Driller na:	BILLY JUMPER
Remarks:	Not Reported	Site id:	AR100000006188

10
NE
1 - 2 Miles
Higher

AR WELLS AR100000005053

Well id:	90383434250901	Original w:	903834342509
City and z:	HELENA, AR 72342	County nam:	PHILLIPS
Latitude:	34-25-09	Longitude:	90-38-34
Well statu:	New Well	Depth:	130
Date well:	20080221	Use code:	IR
Owner name:	BURON GRIFFIN SR.	Driller na:	WILLIAM YOUNG
Remarks:	Not Reported	Site id:	AR100000005053

11
West
1 - 2 Miles
Lower

FED USGS USGS40000077592

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E21DD1	Type:	Well
Description:	5447 KING WELL FARMS	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	120	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

12
WSW
1 - 2 Miles
Lower

AR WELLS AR100000006522

Well id:	90410034235101	Original w:	904100342351
City and z:	HELENA AR 72342	County nam:	PHILLIPS
Latitude:	34-23-51	Longitude:	90-41-00
Well statu:	New Well	Depth:	90
Date well:	19950220	Use code:	IR
Owner name:	JOHN KING	Driller na:	BILLY JUMPER
Remarks:	Not Reported	Site id:	AR100000006522

13
ESE
1 - 2 Miles
Lower

AR WELLS AR100000006040

Well id:	90381834233801	Original w:	903818342338
City and z:	HELENA, AR 72342	County nam:	PHILLIPS
Latitude:	34-23-38	Longitude:	90-38-18
Well statu:	New Well	Depth:	95
Date well:	19960702	Use code:	IR
Owner name:	MIKE TAYLOR	Driller na:	BILLY JUMPER
Remarks:	Not Reported	Site id:	AR100000006040

14
NNE
1 - 2 Miles
Lower

FED USGS USGS40000077863

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E23BD1	Type:	Well
Description:	52057	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer	Aquifer Type:	Not Reported
Formation Type:	Quaternary Alluvium	Well Depth:	125
Construction Date:	Not Reported	Well Hole Depth:	Not Reported
Well Depth Units:	ft		
Well Hole Depth Units:	Not Reported		

15
WSW
1 - 2 Miles
Lower

FED USGS USGS40000077404

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E28DD1	Type:	Well
Description:	27116	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer	Aquifer Type:	Not Reported
Formation Type:	Quaternary Alluvium	Well Depth:	100
Construction Date:	Not Reported	Well Hole Depth:	Not Reported
Well Depth Units:	ft		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Well Hole Depth Units: Not Reported

16
WNW
1 - 2 Miles
Higher

FED USGS USGS40000077696

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E21DA1	Type:	Well
Description:	27114	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	120
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

17
West
1 - 2 Miles
Lower

AR WELLS AR100000006557

Well id:	90411334243401	Original w:	904113342434
City and z:	HELENA, AR 72342	County nam:	PHILLIPS
Latitude:	34-24-34	Longitude:	90-41-13
Well statu:	New Well	Depth:	85
Date well:	19980416	Use code:	IR
Owner name:	JOHN KING	Driller na:	BILLY JUMPER
Remarks:	Not Reported	Site id:	AR100000006557

18
NE
1 - 2 Miles
Higher

AR WELLS AR100000006078

Well id:	90382934252401	Original w:	903829342524
City and z:	HELENA, AR 72342	County nam:	PHILLIPS
Latitude:	34-25-24	Longitude:	90-38-29
Well statu:	New Well	Depth:	115
Date well:	20051012	Use code:	Not Reported
Owner name:	BURON GRIFFIN	Driller na:	BILLY JUMPER
Remarks:	Not Reported	Site id:	AR100000006078

19
South
1 - 2 Miles
Lower

AR WELLS AR100000006349

Well id:	90394734225701	Original w:	903947342257
City and z:	HELENA, AR 72342	County nam:	PHILLIPS
Latitude:	34-22-57	Longitude:	90-39-47
Well statu:	New Well	Depth:	95
Date well:	19960703	Use code:	IR
Owner name:	MIKE TAYLOR	Driller na:	BILLY JUMPER
Remarks:	Not Reported	Site id:	AR100000006349

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

A20
West
1 - 2 Miles
Lower

FED USGS USGS40000077482

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E28AC1	Type:	Well
Description:	27115	HUC:	08020302
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	120
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

A21
WSW
1 - 2 Miles
Lower

AR WELLS AR100000006568

Well id:	90411634240201	Original w:	904116342402
City and z:	HELENA, AR 72342	County nam:	PHILLIPS
Latitude:	34-24-02	Longitude:	90-41-16
Well statu:	New Well	Depth:	90
Date well:	19990517	Use code:	IR
Owner name:	BURON GRIFFIN JR.	Driller na:	BILLY JUMPER
Remarks:	Not Reported	Site id:	AR100000006568

22
West
1 - 2 Miles
Lower

AR WELLS AR100000006574

Well id:	90411934241201	Original w:	904119342412
City and z:	HELENA AR 72342	County nam:	PHILLIPS
Latitude:	34-24-12	Longitude:	90-41-19
Well statu:	New Well	Depth:	80
Date well:	19950203	Use code:	IR
Owner name:	JOHN KING	Driller na:	JOHN FORD, JR.
Remarks:	Not Reported	Site id:	AR100000006574

23
WSW
1 - 2 Miles
Lower

AR WELLS AR100000006536

Well id:	90410534233501	Original w:	904105342335
City and z:	JOINES, AR. 72350	County nam:	PHILLIPS
Latitude:	34-23-35	Longitude:	90-41-05
Well statu:	New Well	Depth:	90
Date well:	20020720	Use code:	Not Reported
Owner name:	WADE WHISTLE	Driller na:	BILLY JUMPER
Remarks:	Not Reported	Site id:	AR100000006536

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

24
WNW
1 - 2 Miles
Higher

FED USGS USGS40000077744

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E21AC1	Type:	Well
Description:	35267	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	120	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

25
NNW
1 - 2 Miles
Higher

FED USGS USGS40000077908

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E21AA1	Type:	Well
Description:	51927	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	120	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

26
West
1 - 2 Miles
Lower

AR WELLS AR1000000006583

Well id:	90412234240501	Original w:	904122342405
City and z:	HELENA, AR 72342	County nam:	PHILLIPS
Latitude:	34-24-05	Longitude:	90-41-22
Well statu:	New Well	Depth:	85
Date well:	20060620	Use code:	Not Reported
Owner name:	BURON GRIFFIN JR	Driller na:	BILLY JUMPER
Remarks:	Not Reported	Site id:	AR1000000006583

27
West
1 - 2 Miles
Lower

AR WELLS AR1000000006584

Well id:	90412234243801	Original w:	904122342438
City and z:	HELENA, AR 72342	County nam:	PHILLIPS
Latitude:	34-24-38	Longitude:	90-41-22
Well statu:	New Well	Depth:	90
Date well:	20010506	Use code:	IR
Owner name:	JOHN KING	Driller na:	BILLY JUMPER
Remarks:	Not Reported	Site id:	AR1000000006584

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

28
West
1 - 2 Miles
Lower

FED USGS USGS40000077508

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E28BD1	Type:	Well
Description:	27153	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	120
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

29
SW
1 - 2 Miles
Lower

FED USGS USGS40000077271

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E34CB1	Type:	Well
Description:	58405	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	120	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

30
WSW
1 - 2 Miles
Higher

AR WELLS AR100000006589

Well id:	90412334234601	Original w:	904123342346
City and z:	HELENA, AR 72342	County nam:	PHILLIPS
Latitude:	34-23-46	Longitude:	90-41-23
Well statu:	New Well	Depth:	90
Date well:	19990517	Use code:	IR
Owner name:	BURON GRIFFIN JR.	Driller na:	BILLY JUMPER
Remarks:	Not Reported	Site id:	AR100000006589

31
NW
1 - 2 Miles
Lower

FED USGS USGS40000077801

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E21AB1	Type:	Well
Description:	27113	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	120
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

**B32
NW
1 - 2 Miles
Higher**

AR WELLS AR100000006526

Well id:	90410134252801	Original w:	904101342528
City and z:	HELENA, AR 72342	County nam:	PHILLIPS
Latitude:	34-25-28	Longitude:	90-41-01
Well statu:	New Well	Depth:	85
Date well:	19970401	Use code:	IR
Owner name:	JOHN KING	Driller na:	BILLY JUMPER
Remarks:	Not Reported	Site id:	AR100000006526

**33
NW
1 - 2 Miles
Higher**

FED USGS USGS40000077830

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E33AB1	Type:	Well
Description:	58485	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	120	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

**34
West
1 - 2 Miles
Lower**

FED USGS USGS40000077608

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E21CD1	Type:	Well
Description:	27145	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer	Aquifer Type:	Not Reported
Formation Type:	Quaternary Alluvium	Well Depth:	120
Construction Date:	Not Reported	Well Hole Depth:	Not Reported
Well Depth Units:	ft		
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

B35
NW
1 - 2 Miles
Higher

FED USGS USGS40000077849

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E16DD2	Type:	Well
Description:	58402	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Not Reported	Formation Type:	Not Reported
Aquifer Type:	Not Reported	Construction Date:	Not Reported
Well Depth:	120	Well Depth Units:	ft
Well Hole Depth:	Not Reported	Well Hole Depth Units:	Not Reported

36
NW
1 - 2 Miles
Higher

FED USGS USGS40000077888

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E16DD1	Type:	Well
Description:	45371	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer	Aquifer Type:	Not Reported
Formation Type:	Quaternary Alluvium	Well Depth:	120
Construction Date:	Not Reported	Well Hole Depth:	Not Reported
Well Depth Units:	ft		
Well Hole Depth Units:	Not Reported		

37
West
2 - 3 Miles
Lower

FED USGS USGS40000077628

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E21CC1	Type:	Well
Description:	35270	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer	Aquifer Type:	Not Reported
Formation Type:	Quaternary Alluvium	Well Depth:	120
Construction Date:	Not Reported	Well Hole Depth:	Not Reported
Well Depth Units:	ft		
Well Hole Depth Units:	Not Reported		

38
NW
2 - 3 Miles
Lower

FED USGS USGS40000077915

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E16DA1	Type:	Well

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Description:	27112	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	100
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

39
West
2 - 3 Miles
Lower

FED USGS USGS40000077477

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E28CB1	Type:	Well
Description:	27155	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	120
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

40
WSW
2 - 3 Miles
Lower

AR WELLS AR100000006644

Well id:	90414134234501	Original w:	904141342345
City and z:	HELENA, AE 72342	County nam:	PHILLIPS
Latitude:	34-23-45	Longitude:	90-41-41
Well statu:	New Well	Depth:	90
Date well:	20040915	Use code:	Not Reported
Owner name:	BURON GRIFFIN JR	Driller na:	BILLY JUMPER
Remarks:	Not Reported	Site id:	AR100000006644

41
WNW
2 - 3 Miles
Lower

FED USGS USGS40000077802

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E21BA1	Type:	Well
Description:	27112	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Units:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	120
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

42
West
2 - 3 Miles
Lower

AR WELLS AR1000000006681

Well id:	90415434244201	Original w:	904154342442
City and z:	HELENA, AR 72342	County nam:	PHILLIPS
Latitude:	34-24-42	Longitude:	90-41-54
Well statu:	New Well	Depth:	92
Date well:	20040916	Use code:	Not Reported
Owner name:	BURON GRIFFIN JR	Driller na:	BILLY JUMPER
Remarks:	Not Reported	Site id:	AR1000000006681

43
SW
2 - 3 Miles
Lower

AR WELLS AR1000000006572

Well id:	90411834219301	Original w:	904118342193
City and z:	HELENA, AR 72342	County nam:	PHILLIPS
Latitude:	34-23-00	Longitude:	90-41-18
Well statu:	New Well	Depth:	90
Date well:	20060906	Use code:	Not Reported
Owner name:	JOHN KING	Driller na:	WILLIAM YOUNG
Remarks:	Not Reported	Site id:	AR1000000006572

44
NE
2 - 3 Miles
Lower

AR WELLS AR1000000005942

Well id:	90375134254501	Original w:	903751342545
City and z:	Not Reported	County nam:	PHILLIPS
Latitude:	34-25-45	Longitude:	90-37-51
Well statu:	New Well	Depth:	110
Date well:	20031210	Use code:	Not Reported
Owner name:	ALEN HARGRAVES	Driller na:	JOEL JUMPER
Remarks:	Not Reported	Site id:	AR1000000005942

45
NNE
2 - 3 Miles
Higher

AR WELLS AR1000000006069

Well id:	90382734261101	Original w:	903827342611
City and z:	HELENA, AR 72342	County nam:	PHILLIPS
Latitude:	34-26-11	Longitude:	90-38-27
Well statu:	New Well	Depth:	120
Date well:	20000204	Use code:	IR
Owner name:	BURON GRIFFIN JR	Driller na:	BILLY JUMPER
Remarks:	Not Reported	Site id:	AR1000000006069

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

46
SW
2 - 3 Miles
Higher

FED USGS USGS40000077205

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E33DC1	Type:	Well
Description:	58406	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	120
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

47
NW
2 - 3 Miles
Lower

FED USGS USGS40000077956

Organization ID:	USGS-AR	Organization Name:	USGS Arkansas Water Science Center
Monitor Location:	03S04E16BD1	Type:	Well
Description:	27122	HUC:	08020303
Drainage Area:	Not Reported	Drainage Area Units:	Not Reported
Contrib Drainage Area:	Not Reported	Contrib Drainage Area Unts:	Not Reported
Aquifer:	Mississippi River Valley alluvial aquifer		
Formation Type:	Quaternary Alluvium	Aquifer Type:	Not Reported
Construction Date:	Not Reported	Well Depth:	120
Well Depth Units:	ft	Well Hole Depth:	Not Reported
Well Hole Depth Units:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
East
1/2 - 1 Mile

OIL_GAS AROG70000029580

Permit:	38777	API #:	03107100010000
Company Name:	Arrington, David H. Oil & Gas, Inc.		
Well Name:	Helena Port 1-23		
Well #:	1-23	Well Type:	Oil well
Well Status:	Plugged and Abandoned		
Status Date:	11-SEP-08	Production ID:	0
Depth to Bedrock:	8000	Total Depth Drilled:	7971
Plugged Back Depth:	0	Ground Elevation, Kelly Bushing:	Not Reported
Elevation:	0	Total Measured Depth:	0
Field Name:	Not Reported	Geologic Formation:	Not Reported

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

State Database: AR Radon

Radon Test Results

Total Meas	Mean	Geom mean	Median	Std Dev	Max	% Sites>4 pCi/L	% Sites>20 pCi/L
5	0.6	0.5	0.4	0.4	1.1	0	0

Federal EPA Radon Zone for PHILLIPS County: 3

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

Federal Area Radon Information for Zip Code: 72342

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.400 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	1.100 pCi/L	100%	0%	0%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

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

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

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

Source: FEMA

Telephone: 877-336-2627

Date of Government Version: 2003, 2015

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

State Wetlands Data: Wetland Inventory

Source: US Fish & Wildlife Service

Telephone: 703-358-2171

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

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

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

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

STATSGO: State Soil Geographic Database

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

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

SSURGO: Soil Survey Geographic Database

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

Telephone: 800-672-5559

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

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

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

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

STATE RECORDS

Arkansas Community Public Water Systems

Source: Health Department

Telephone: 501-661-2623

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database

Source: Arkansas Geographic Information Office

Telephone: 501-682-2929

Oil and gas well locations.

RADON

State Database: AR Radon

Source: Department of Health

Telephone: 501-661-2301

Radon Test Results

Area Radon Information

Source: USGS

Telephone: 703-356-4020

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

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

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

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

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

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Certified Sanborn Map Report

Helena Harbor Site Certification

7318 Arkansas 20

Helena, AR 72342

Inquiry Number: 6405422.3

March 16, 2021

Certified Sanborn® Map Report



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

Certified Sanborn® Map Report

03/16/21

Site Name:

Helena Harbor Site Certification
7318 Arkansas 20
Helena, AR 72342
EDR Inquiry # 6405422.3

Client Name:

Geotechnology
11816 Lackland Road
Saint Louis, MO 63146
Contact: Cody Flynn



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

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

Certified Sanborn Results:

Certification # 8274-41D6-8747

PO # GTI-4100-2021

Project J034421.01

UNMAPPED PROPERTY

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



Sanborn® Library search results

Certification #: 8274-41D6-8747

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

The Sanborn Library LLC Since 1866™

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Historical Aerial Photographs



Helena Harbor Site Certification

7318 Arkansas 20

Helena, AR 72342

Inquiry Number: 6405422.8

March 17, 2021

The EDR Aerial Photo Decade Package



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

Date EDR Searched Historical Sources:

Aerial Photography March 17, 2021

Target Property:

7318 Arkansas 20

Helena, AR 72342

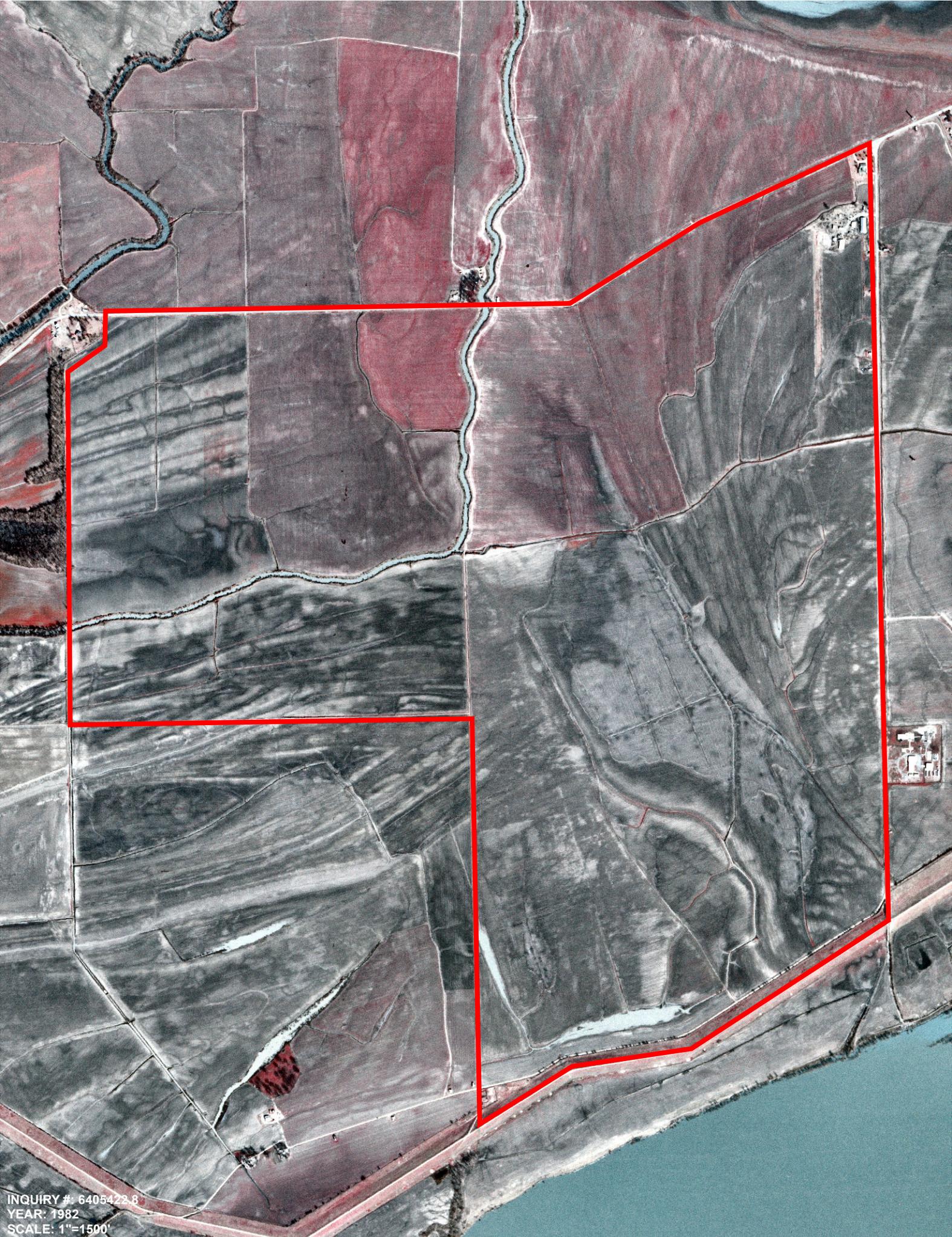
<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1963	Aerial Photograph. Scale: 1"=1500'	Flight Year: 1963	USGS
1972	Aerial Photograph. Scale: 1"=1500'	Flight Year: 1972	USGS
1976	Aerial Photograph. Scale: 1"=1500'	Flight Year: 1976	USGS
1982	Aerial Photograph. Scale: 1"=1500'	Flight Year: 1982	USGS
1985	Aerial Photograph. Scale: 1"=1500'	Flight Year: 1985	USGS
1994	Aerial Photograph. Scale: 1"=1500'	Flight Year: 1994	USGS/DOQQ
2001	Aerial Photograph. Scale: 1"=1500'	Flight Year: 2001	USGS/DOQQ
2007	Aerial Photograph. Scale: 1"=1500'	Flight Year: 2007	USGS/NAIP
2010	Aerial Photograph. Scale: 1"=1500'	Flight Year: 2010	USGS/NAIP
2013	Aerial Photograph. Scale: 1"=1500'	Flight Year: 2013	USDA/NAIP
2017	Aerial Photograph. Scale: 1"=1500'	Flight Year: 2017	USGS/NAIP



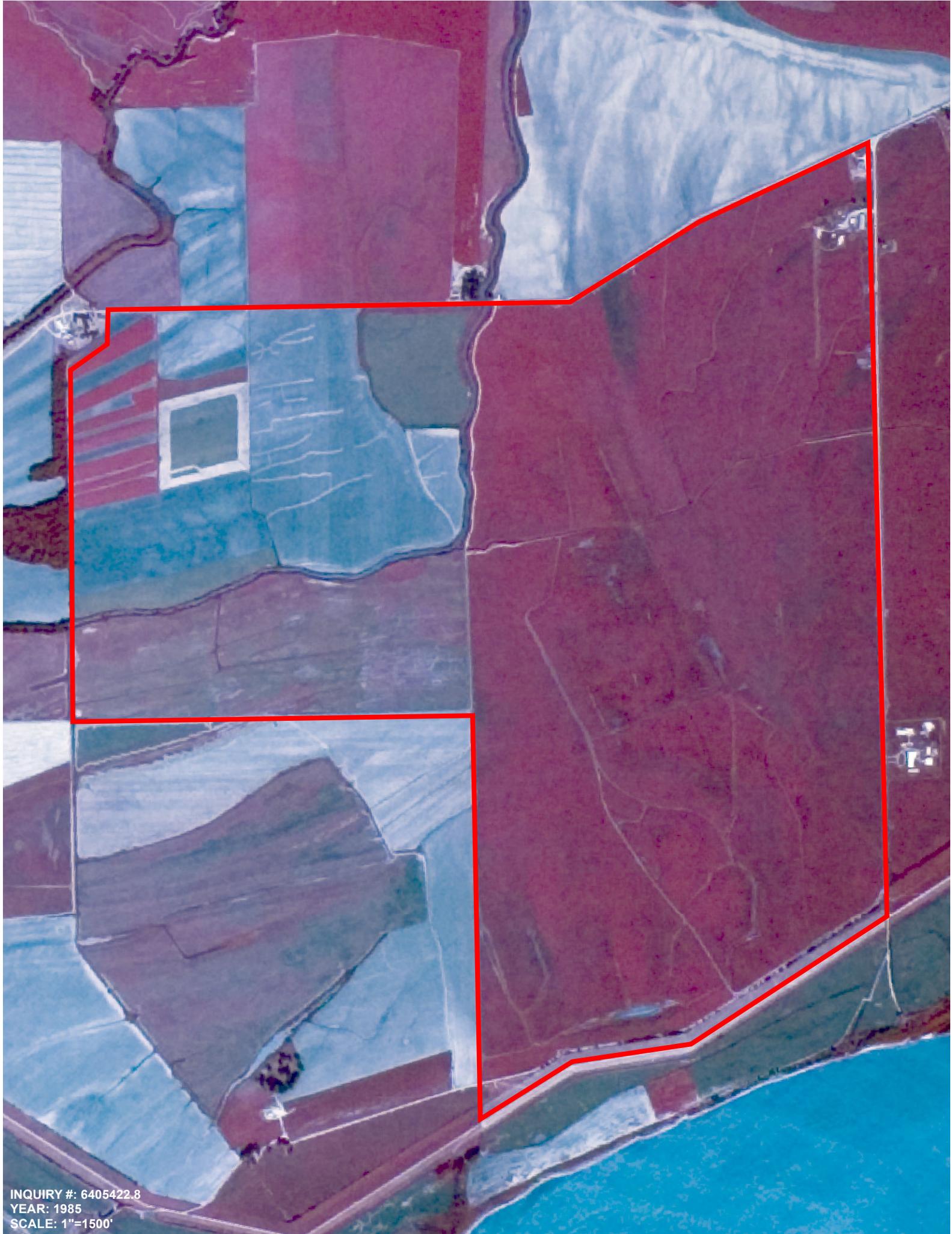
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YEAR: 1963
SCALE: 1"=1500'



INQUIRY #: 6405422.8
YEAR: 1972
SCALE: 1"=1500'



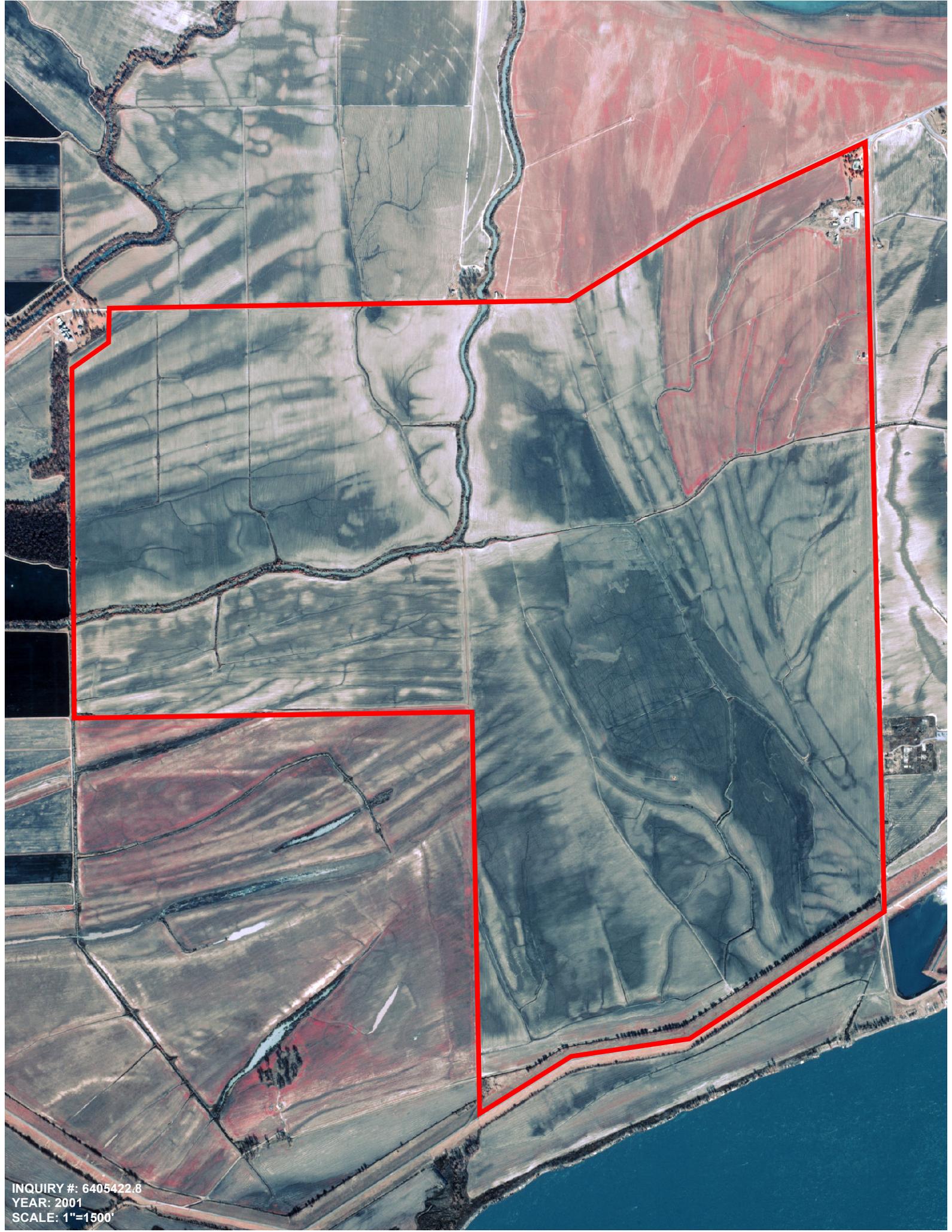
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YEAR: 1982
SCALE: 1"=1500'



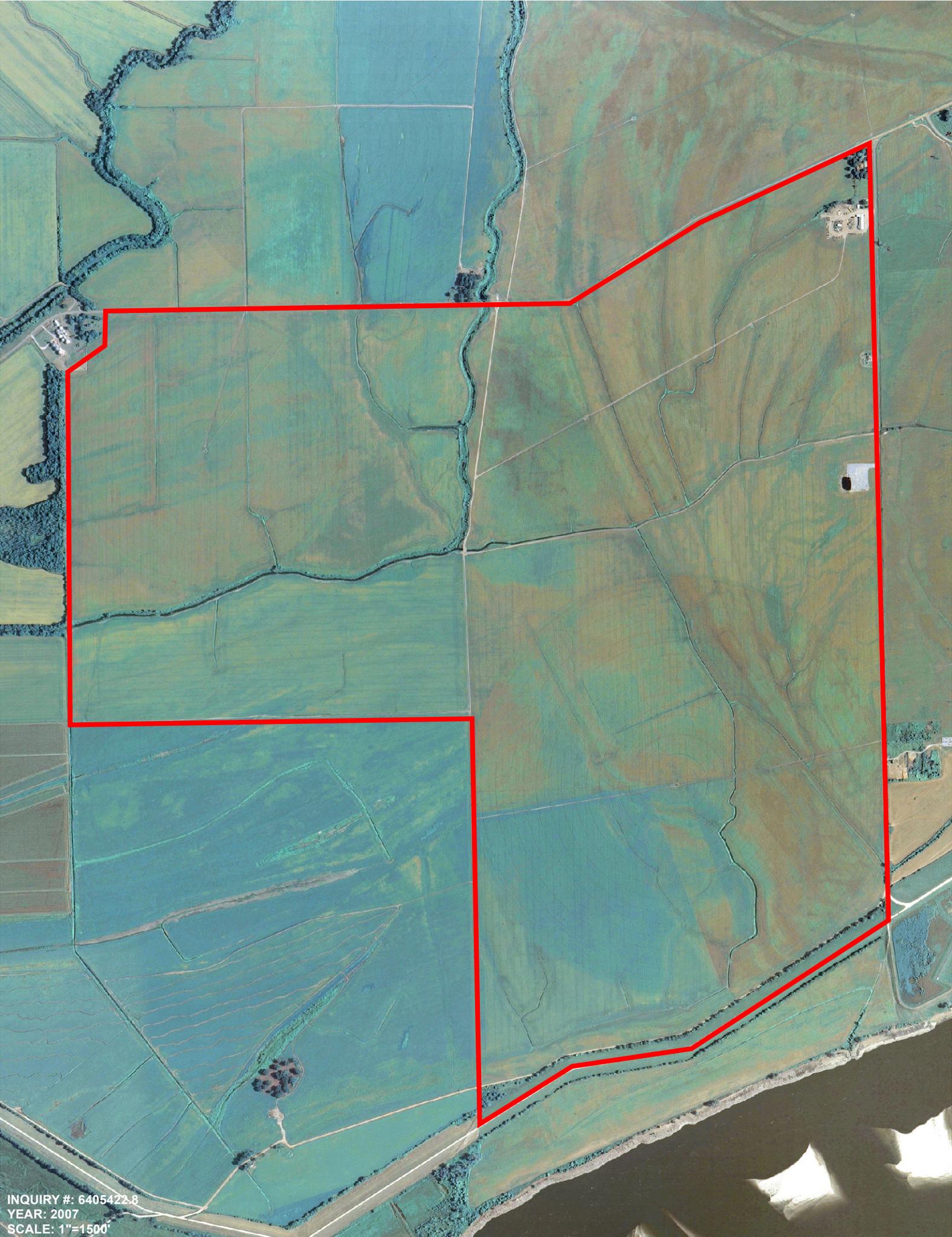
INQUIRY #: 6405422.8
YEAR: 1985
SCALE: 1"=1500'



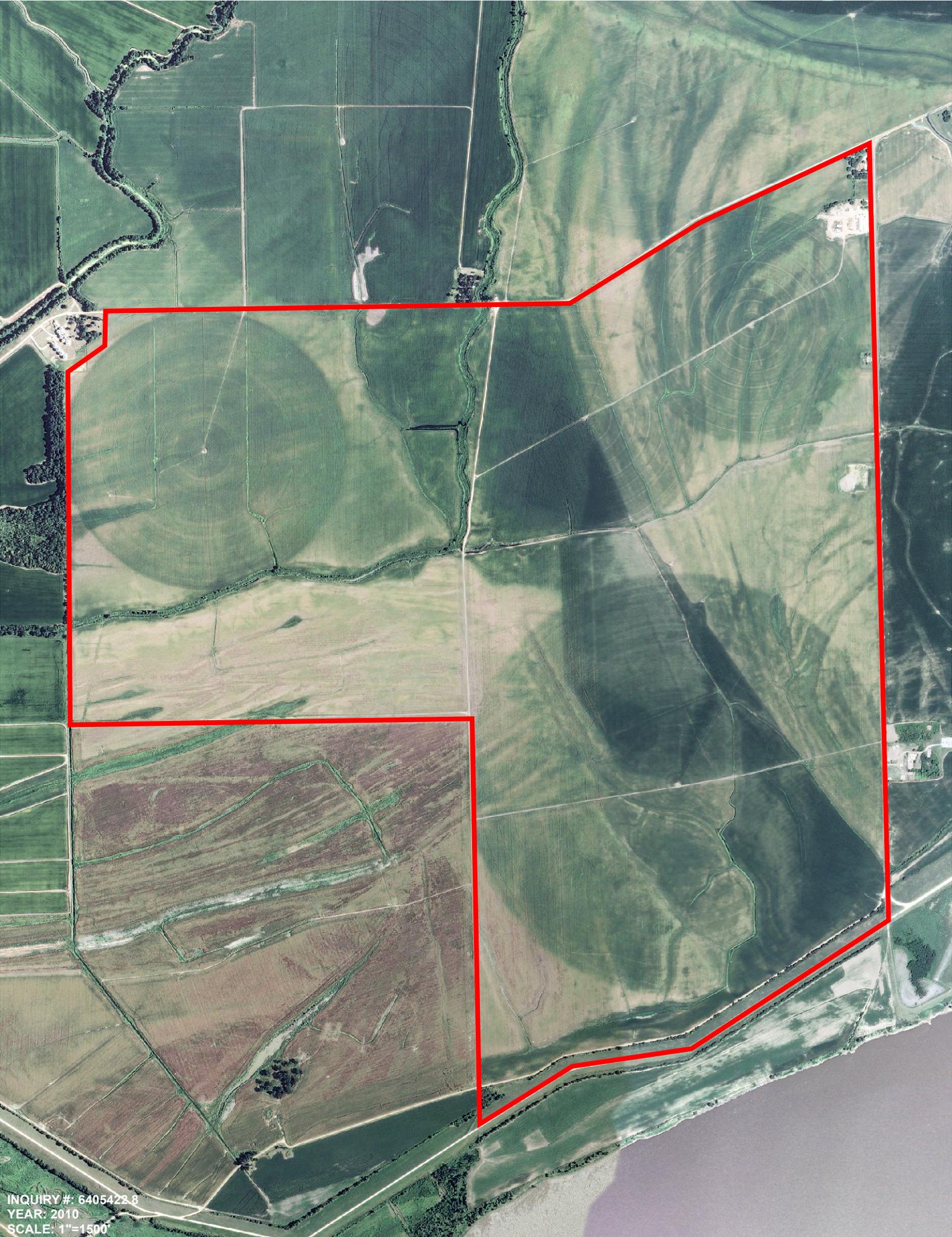
INQUIRY #: 6405422.8
YEAR: 1994
SCALE: 1"=1500'



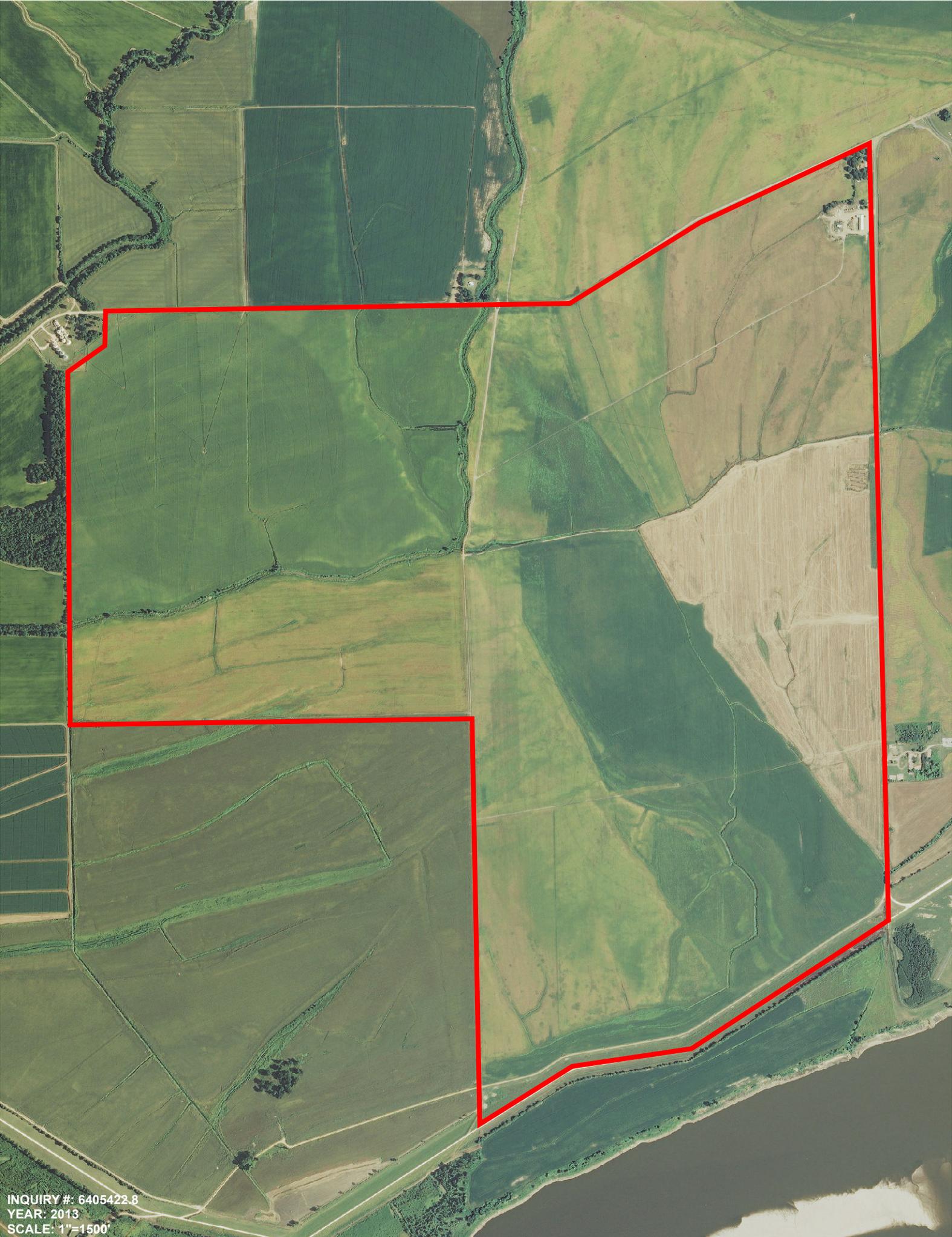
INQUIRY #: 6405422.8
YEAR: 2001
SCALE: 1"=1500'



INQUIRY #: 6405422.8
YEAR: 2007
SCALE: 1"=1500'



INQUIRY #: 6405422.8
YEAR: 2010
SCALE: 1"=1500'



INQUIRY #: 6405422.8
YEAR: 2013
SCALE: 1"=1500'

City Directory Report

Helena Harbor Site Certification

7318 Arkansas 20
Helena, AR 72342

Inquiry Number: 6405422.5
March 17, 2021

The EDR-City Directory Image Report

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City Directory Images

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

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Target Street</u>	<u>Cross Street</u>	<u>Source</u>
2017	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2014	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2010	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2005	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
2000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1995	<input type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive
1992	<input type="checkbox"/>	<input type="checkbox"/>	EDR Digital Archive

FINDINGS

TARGET PROPERTY STREET

7318 Arkansas 20
Helena, AR 72342

Year

CD Image

Source

HIGHWAY 20

2017	pg A1	EDR Digital Archive	
2014	pg A2	EDR Digital Archive	
2010	pg A3	EDR Digital Archive	
2005	pg A4	EDR Digital Archive	
2000	pg A5	EDR Digital Archive	
1995	-	EDR Digital Archive	Target and Adjoining not listed in Source
1992	-	EDR Digital Archive	Target and Adjoining not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

HIGHWAY 20 2017

124	MANUEL, JAMES
278	SIMMONS, JAMES E
1305	FIRST DELTA FINANCIAL SERVICES PLANTERS SERVICE & SALES INC
1463	GRIFFIN RIVER SCALE HOUSE
4040	MEDLEY, KENNETH
8782	HERRED, DEVONTAE
13328	PEPPERS, FRANKIE O
13486	TAYLOR, JOHN

HIGHWAY 20 2014

124	WRIGHT, GRADY
278	SIMMONS, JAMES E
2076	ROSS, MICHAEL
4040	MEDLEY, KENNETH
4409	OCCUPANT UNKNOWN,
5208	CAMPBELL, DAVID
7288	PERKINS, KATIE
7318	OCCUPANT UNKNOWN,
8588	OCCUPANT UNKNOWN,
8664	OCCUPANT UNKNOWN,
8782	EDMOND, SADEERI
9218	OCCUPANT UNKNOWN,
10012	OCCUPANT UNKNOWN,
10130	OCCUPANT UNKNOWN,
13046	KING, KRISTEN
13274	OCCUPANT UNKNOWN,
13328	ADAMS, ERIK M
13390	BODKINS, HANNELORE
13394	OCCUPANT UNKNOWN,
13486	TAYLOR, JOHN
13548	TAYLOR, BETTY

HIGHWAY 20 2010

124	MANUEL, REVA
278	SIMMONS, JAMES E
390	STARS ACADEMY ALTERNATIVE SCHL
1305	DAVID H ARRINGTON OIL & GAS PLANTERS SERVICE & SALES INC
2875	CENTER POINT ENERGY GAS TRANS
4040	MEDLEY, NAPOLEON S
4409	THOMAS, ROSE M
5208	CAMPBELL, DAVID
7288	PERKINS, KATIE
8275	KING FARMS
8588	PARKER, HUEL W
8664	SMITH, IMA L
8782	EDMOND, SADEERI
9218	KING, W O
10128	SMITH, CLIFTON
13046	KING, KRISTEN
13390	BODKINS, HANNELORE
13486	TAYLOR, JOHN
13548	TAYLOR, SAMANTHA R

HIGHWAY 20 2005

112	MANUEL, REVA
124	WRIGHT, MICHELLE
278	KING, J W
1305	CYPRESS CHEMICAL CO
4040	MEDLEY, NAPOLEON S NAPOLEON MEDLEY
4409	THOMAS, ROSE E
5208	COSSEY, ANGALINA
7288	PERKINS, KATIE
8588	PARKER, JEAN
8782	THOMAS, TANYA
9218	KING, W O
10012	DON, GARY F
10128	SMITH, CLIFTON
13046	PEPPERS, CLARIE
13328	PEPPERS, FRANKIE O
13394	BODKINS, DAVID G
13548	TAYLOR, B

HIGHWAY 20 2000

112	DANABY, HENRY MANUEL, REVA
1226	OCCUPANT UNKNOWN,
2875	OCCUPANT UNKNOWN,
4040	MEDLEY, NAPOLEO
4409	EVANS, Y
5225	RICHARDSON, JESSIE
5378	OCCUPANT UNKNOWN,
6037	OCCUPANT UNKNOWN,
6253	OCCUPANT UNKNOWN,
7346	OCCUPANT UNKNOWN,
8664	OCCUPANT UNKNOWN,
8756	OCCUPANT UNKNOWN,
8782	PARKER, TONYA
9218	OCCUPANT UNKNOWN,
10012	OCCUPANT UNKNOWN,
10128	SMITH, CLIFTON
10130	WHEELER, B
13046	KING, CAREY
13274	PEPPERS, FRANKIE
13328	PEPPERS, RITA
13390	BODKINS, DAVID G
13394	BODKINS, MAXINE

Historical Topographic Maps

Helena Harbor Site Certification

7318 Arkansas 20

Helena, AR 72342

Inquiry Number: 6405422.4

March 15, 2021

EDR Historical Topo Map Report

with QuadMatch™



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

EDR Historical Topo Map Report

03/15/21

Site Name:

Helena Harbor Site Certification
7318 Arkansas 20
Helena, AR 72342
EDR Inquiry # 6405422.4

Client Name:

Geotechnology
11816 Lackland Road
Saint Louis, MO 63146
Contact: Cody Flynn



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

Search Results:**Coordinates:**

P.O.#	GTI-4100-2021	Latitude:	34.405867 34° 24' 21" North
Project:	J034421.01	Longitude:	-90.660001 -90° 39' 36" West
		UTM Zone:	Zone 15 North
		UTM X Meters:	715082.46
		UTM Y Meters:	3809641.76
		Elevation:	175.00' above sea level

Maps Provided:

2012
1967
1964
1955
1939
1931

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Topo Sheet Key

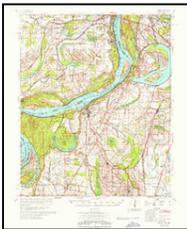
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

2012 Source Sheets



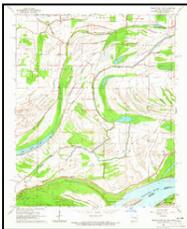
Friars Point NW
2012
7.5-minute, 24000

1967 Source Sheets



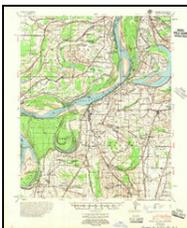
Farrell
1967
15-minute, 62500
Aerial Photo Revised 1963

1964 Source Sheets



Friars Point NW
1964
7.5-minute, 24000
Aerial Photo Revised 1963

1955 Source Sheets



Farrell
1955
15-minute, 62500
Aerial Photo Revised 1949

Topo Sheet Key

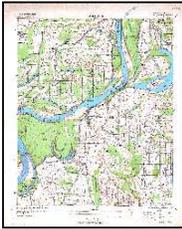
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1939 Source Sheets

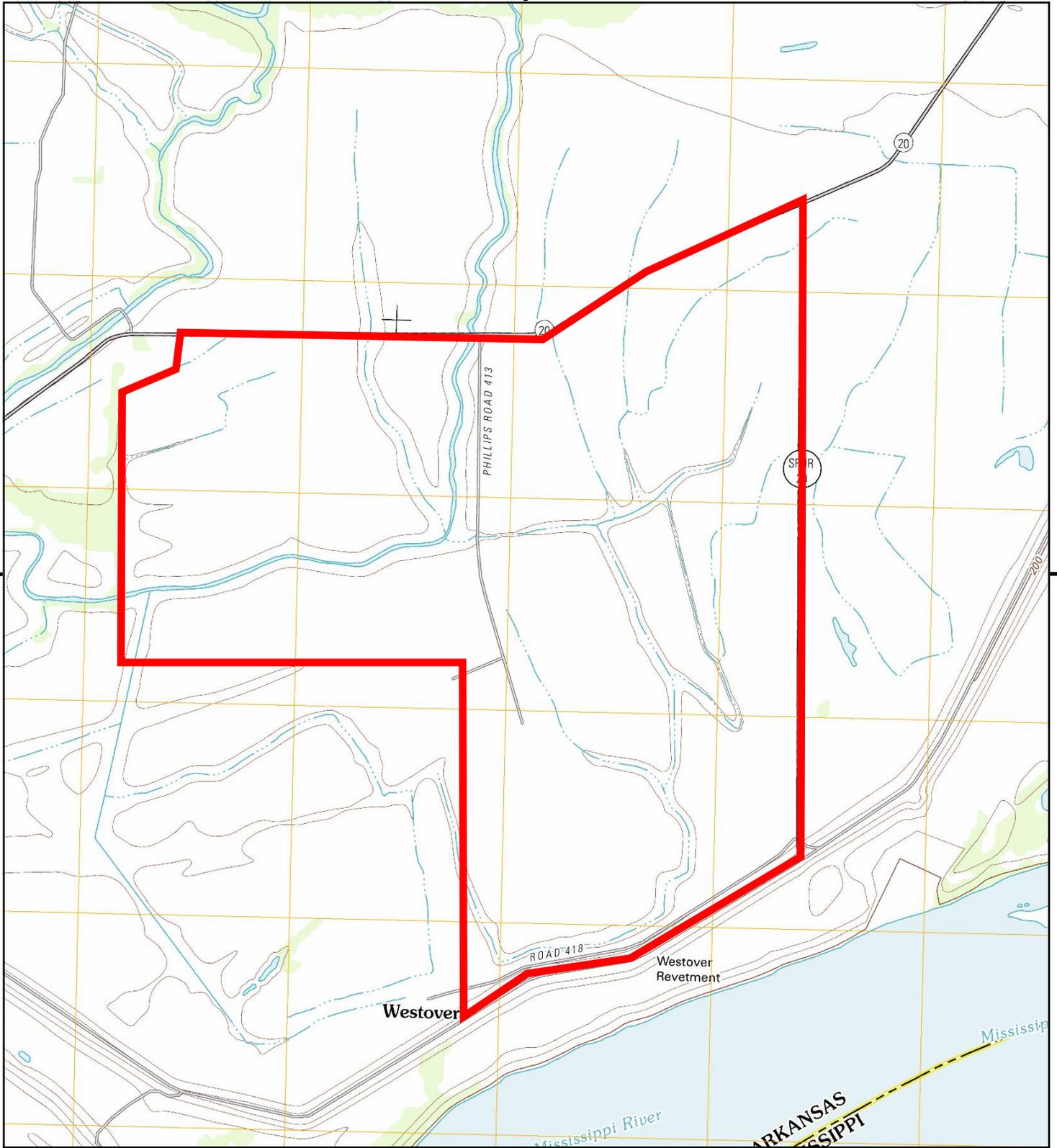


Farrell
1939
15-minute, 62500

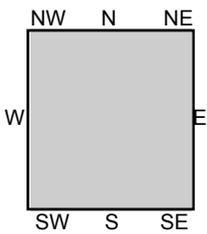
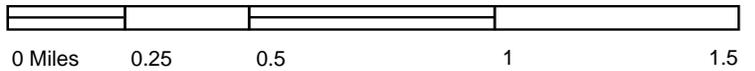
1931 Source Sheets



FARRELL
1931
15-minute, 62500



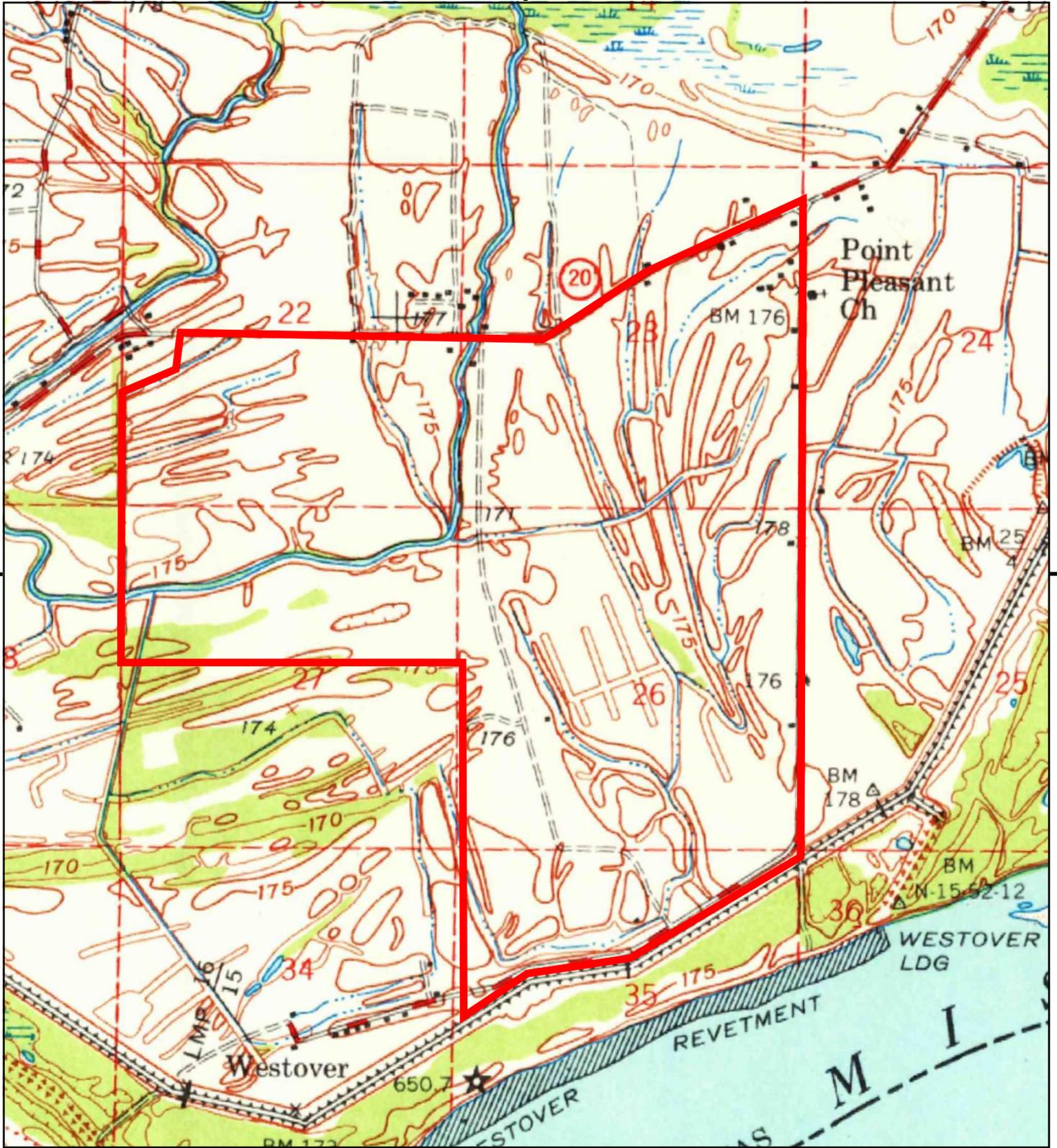
This report includes information from the following map sheet(s).



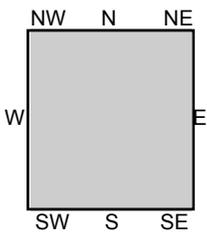
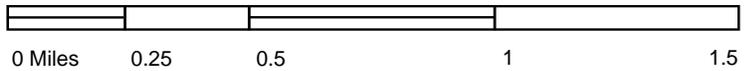
TP, Friars Point NW, 2012, 7.5-minute

SITE NAME: Helena Harbor Site Certification
ADDRESS: 7318 Arkansas 20
Helena, AR 72342
CLIENT: Geotechnology





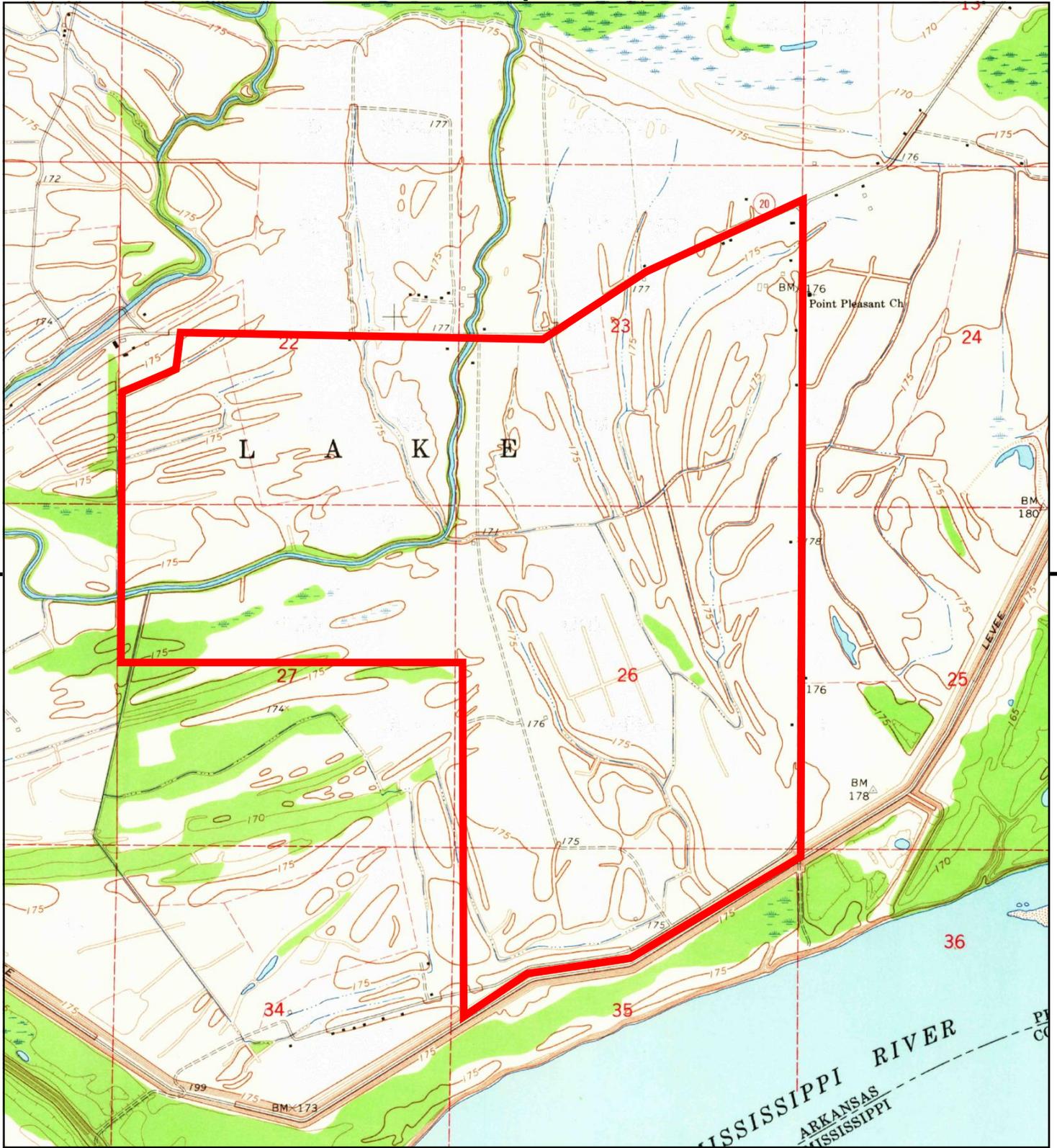
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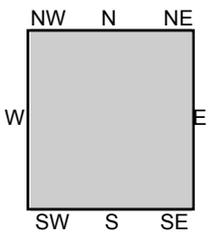
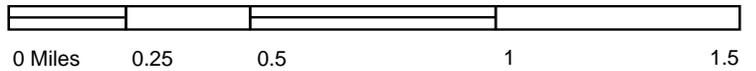
TP, Farrell, 1967, 15-minute

SITE NAME: Helena Harbor Site Certification
 ADDRESS: 7318 Arkansas 20
 Helena, AR 72342
 CLIENT: Geotechnology





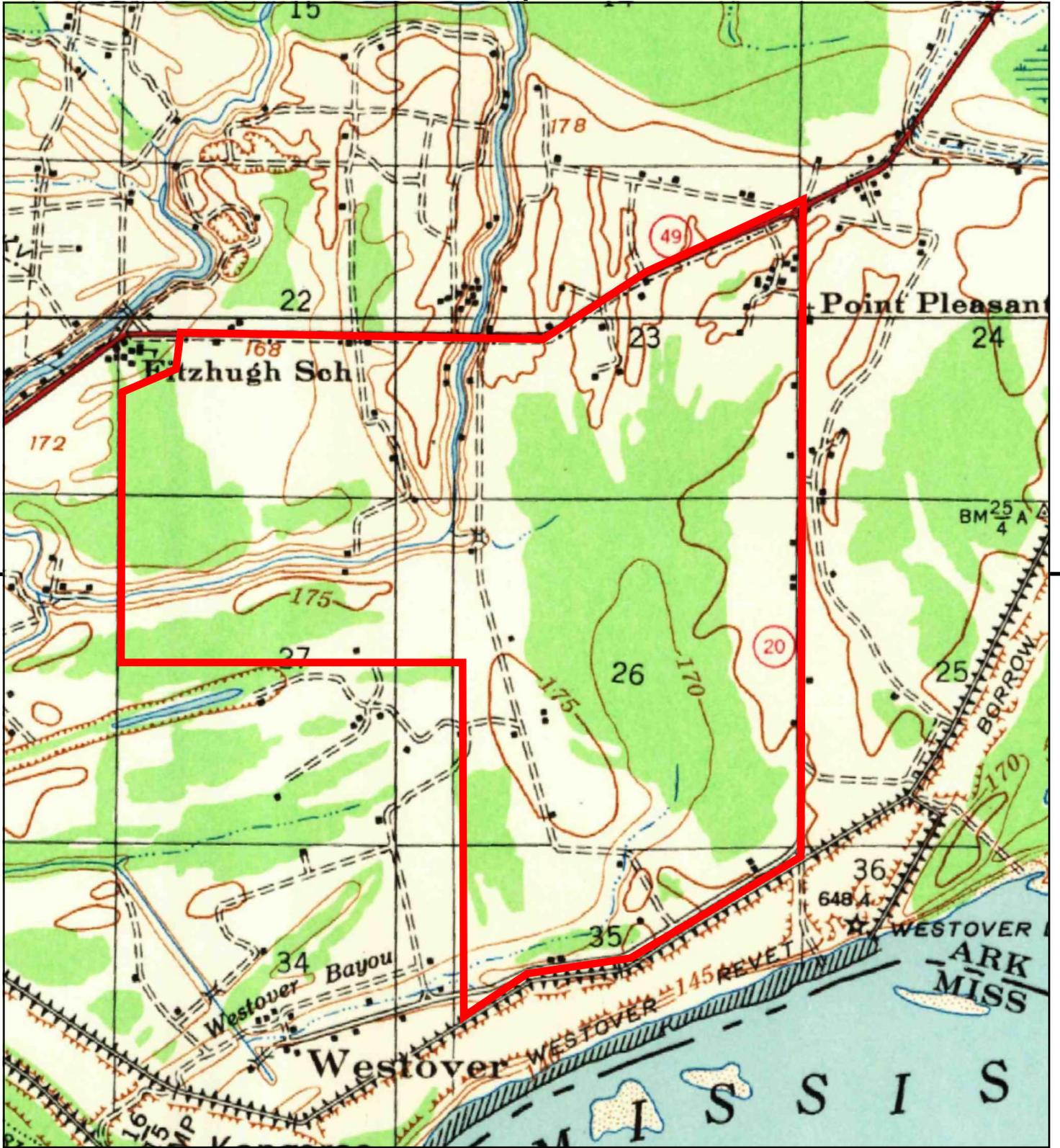
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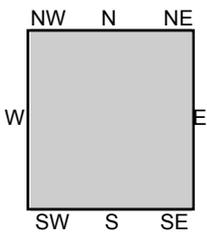
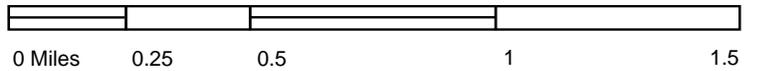
TP, Friars Point NW, 1964, 7.5-minute

SITE NAME: Helena Harbor Site Certification
ADDRESS: 7318 Arkansas 20
 Helena, AR 72342
CLIENT: Geotechnology





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



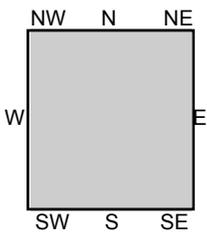
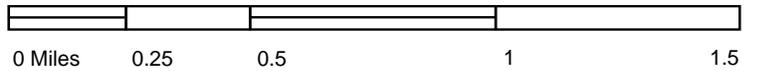
TP, Farrell, 1955, 15-minute

SITE NAME: Helena Harbor Site Certification
 ADDRESS: 7318 Arkansas 20
 Helena, AR 72342
 CLIENT: Geotechnology





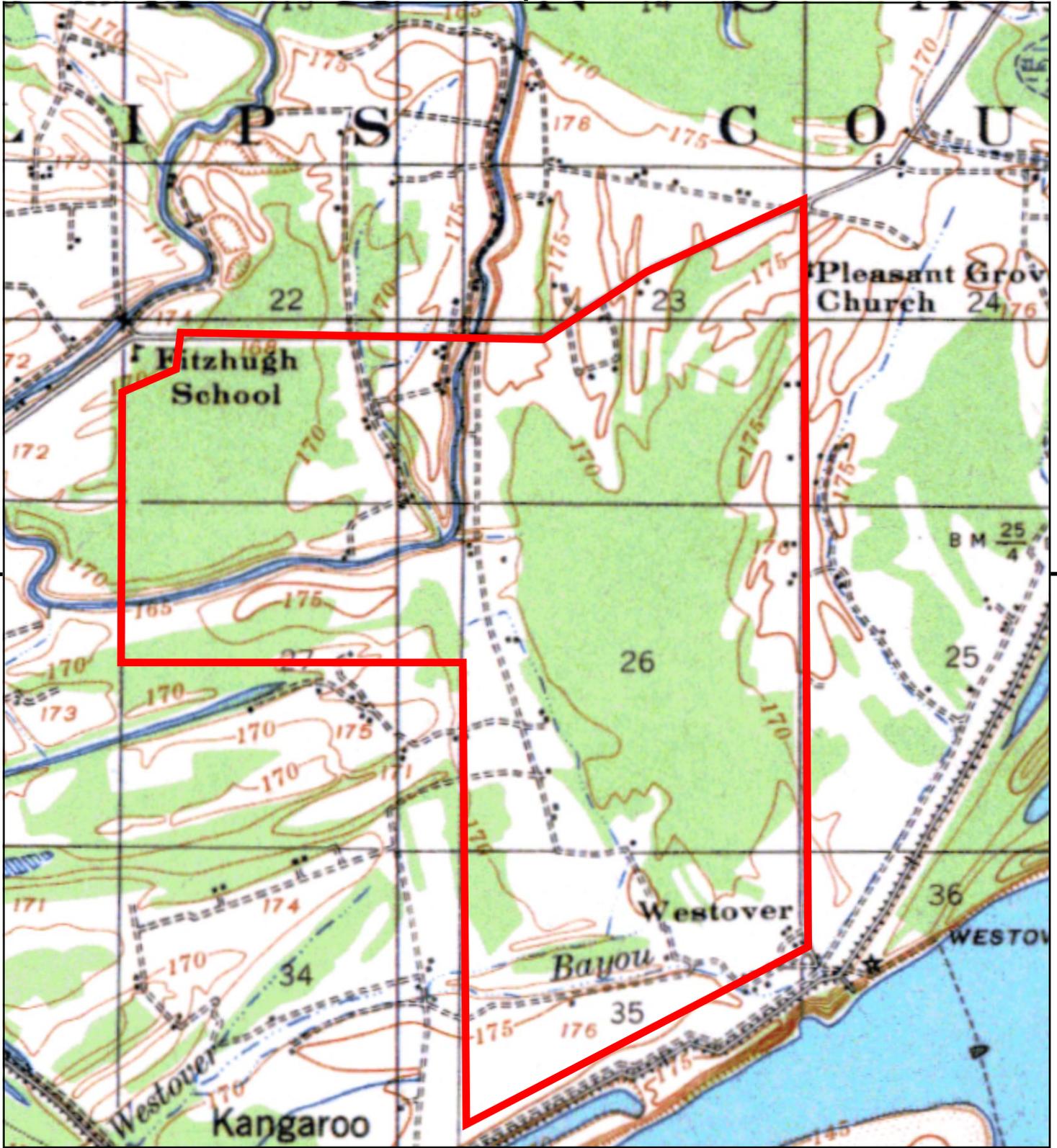
This report includes information from the following map sheet(s).



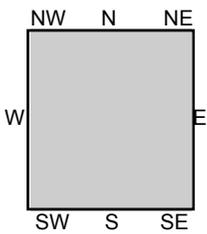
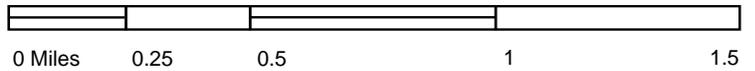
TP, Farrell, 1939, 15-minute

SITE NAME: Helena Harbor Site Certification
 ADDRESS: 7318 Arkansas 20
 Helena, AR 72342
 CLIENT: Geotechnology





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



TP, FARRELL, 1931, 15-minute

SITE NAME: Helena Harbor Site Certification
 ADDRESS: 7318 Arkansas 20
 Helena, AR 72342
 CLIENT: Geotechnology



Owner Questionnaire

This User Questionnaire is for a larger, approximately 4,000-acre Helena Harbor & Industrial Park Site. This Phase I ESA only covers the western half of this property. Some of the information contained herein does not apply to this Phase I ESA.

**PHASE I ENVIRONMENTAL ASSESSMENT
OWNER/TENANT QUESTIONNAIRE**

Project Name: Helena Harbor Site Certification **Project No.:** J034421.01

Submitted to: John C Edwards **Date:** 3/29/2021
(Client/Owner/Tenant)

Subject Property: Arkansas Highway 20 and Road 418, Helena, Arkansas

INSTRUCTIONS

The purpose of this questionnaire is to obtain information regarding current and historic site and/or regulatory activities for the subject property. Please answer all questions to the best of your knowledge and in good faith. Your cooperation is appreciated; if you have any questions, please contact the indicated Geotechnology, Inc. representative at (218) 216-5323. Please return this questionnaire within 3 days of receipt to:

Cody Flynn
cflynn@geotechnology.com
Geotechnology, Inc.
3312 Winbrook Lane
Memphis, TN 38116

I. TENANT/LAND USE DATA

1. Please list all current and past tenants of the subject property and type of business.

Tenant	Type of Business	Dates
Helm Fertilizer	Dry & liquid fertilizer distribution point	1995 to present
Mississippi Limestone	Dry Dock Repair Facility	2000 to present
Envirotech Chemical	Biodegradable liquid disinfectants	2015 to present
Various Farmers	Growing soybeans, corn and cotton	1900 to present
Helena River Academy	Educational facility for river boat crews	1971-1984

**PHASE I ENVIRONMENTAL ASSESSMENT
OWNER/TENANT QUESTIONNAIRE**

2. Has the property or any adjoining property ever (currently or in the past) been used for commercial or industrial use? X Yes No Unknown

If yes, please provide the following information:

	Owner	Land Use	Dates
Subject Property	See above list		
Adjoining Properties North	All the rest is farmland only		
Adjoining Properties South	Farmland only		
Adjoining Properties East	Farmland only		
Adjoining Properties West	Farmland only		

**PHASE I ENVIRONMENTAL ASSESSMENT
OWNER/TENANT QUESTIONNAIRE**

3. Has the property or any adjoining property ever (currently or in the past) been used as a plant nursery, gasoline station, motor repair facility, commercial printing facility, dry cleaners, photo developing laboratory, junkyard or landfill, or as a waste treatment, storage, disposal, processing, or recycling facility?

Yes No Unknown

If yes, please provide the following information:

	Owner	Land Use	Dates
Subject Property			
Adjoining Properties North			
Adjoining Properties South			
Adjoining Properties East			
Adjoining Properties West			

**PHASE I ENVIRONMENTAL ASSESSMENT
OWNER/TENANT QUESTIONNAIRE**

II. PROPERTY DATA

1. Have activities involved with grading and/or the placement of fill ever (currently or in the past) occurred on the property? Yes No Unknown

If yes, please explain: Yes. Envirotech brought in some fill during the construction of its facility from 2013 to 2015.

2. Has fill material ever (currently or in the past) been brought onto the property that originated from a contaminated site or from an unknown origin? Yes No Unknown

If yes, please explain: No known fill from a contaminated site or unknown origin.

3. Please list current and previous developments on the subject property including structures/buildings and the approximate year of construction:

Structure	Dates at Site
Helm Fertilizer	1996
Envirotech	2015

4. Have there ever (currently or in the past) been any flooring, drains, or walls located within structures at the site that are stained by substances other than water or have emitted foul odors?

Yes No Unknown

If yes, please explain: None known

**PHASE I ENVIRONMENTAL ASSESSMENT
OWNER/TENANT QUESTIONNAIRE**

5. Has the property or any facility located on the property ever (currently or in the past) been served by a private well or non-public water system? Yes No Unknown

If yes, please provide construction details, use of the water, and the current status of the well:

None known

6. Have contaminants ever (currently or in the past) been identified in the well or system that exceed guidelines applicable to the water system or has the well been designated as contaminated by any government environmental/health agency? Yes No Unknown

If yes, please explain: None known

7. Has the property or any facility located on the property ever (currently or in the past) discharged waste water or waste streams on or adjacent to the property other than storm water? Yes No Unknown

If yes, please explain: It is believed that the Helena River Academy had a wastewater system that placed treated wastewater into a stream in the early 1970s.

8. Has the property or any facility on the property ever (currently or in the past) treated waste water or waste streams from the property, including the use of an oil water separator? Yes No Unknown

If yes, please explain: The Helena River Academy treated its own wastewater in the early 1970s.

Envirotech has its own treatment system located on its property that is a lagoon system.

**PHASE I ENVIRONMENTAL ASSESSMENT
OWNER/TENANT QUESTIONNAIRE**

9. Have there ever (currently or in the past) been any pits, ponds, or lagoons located on the property in connection with waste treatment or waste disposal?

Yes No Unknown If yes, please explain and note location on property:

Envirotech has a lagoon system.

10. Has the property or any facility located on the property ever (currently or in the past) contained transformers, capacitors, or any hydraulic equipment (including elevators)?

Yes No Unknown If yes, please explain and note location on property:

None known

11. Are records available indicating the presence/absence of PCBs in any of these items?

Yes No Unknown If yes, please explain and provide a copy of the records:

None known

12. Has there ever (currently or in the past) been any registered or unregistered storage tanks (above or underground), including heating oil and septic tanks, located on the property? Yes No Unknown

If yes, please list tank use, contents, size, and location on the property:

Yes. A farm diesel above ground tank near the intersection of Helm Road (Phillips 410) & Arkansas

Highway 20.

**PHASE I ENVIRONMENTAL ASSESSMENT
OWNER/TENANT QUESTIONNAIRE**

13. Have there ever (currently or in the past) been any vent pipes, fill pipes, or access ways indicating a fill pipe protruding from the ground either on the property or adjacent to any structure located on the property?

Yes No Unknown

If yes, please explain: None known

14. Have there ever (currently or in the past) been hazardous substances or petroleum products stored on or used either at the property or any facility on the property? Yes No Unknown

If yes, please explain and provide the material safety data sheets (if applicable):

Farm shop near intersection of Arkansas Highway 20 and Arkansas Highway 20 Spur

15. Has there ever (currently or in the past) been any industrial drums (typically 55 gallons) or sacks of chemicals stored on or used either at the property or any facility on the property? Yes No Unknown

If yes, please provide contents, estimated quantities, locations, and material safety data sheets (if applicable):

See above comment regarding farm shop

16. Has there ever (currently or in the past) been any damaged or discarded automotive/industrial batteries, pesticides, paints, or other chemicals in individual containers of greater than 5 gallons in volume or 50 gallons total, stored on or used at the property or any facility on the property? Yes No Unknown

If yes, please list items, estimated quantities, locations, and material safety data sheets (if applicable):

Unknown but there is a farm shop that has existed for 50 plus years noted in question 14 that this could apply too.

**PHASE I ENVIRONMENTAL ASSESSMENT
OWNER/TENANT QUESTIONNAIRE**

17. Has there ever (currently or in the past) been stained or discolored soil on the property?

Yes No Unknown

If yes, please explain: None known

18. Has there ever (currently or in the past) been any hazardous substances, petroleum products, unidentified waste materials, tires, automotive/industrial batteries, or any other waste materials dumped above grade, buried and/or burned on the property? Yes No Unknown

If yes, please explain: None known

19. How and with whom do the present and/or previous owners/tenants dispose of trash, hazardous waste, and excess petroleum products (used oil, etc.)?

Contract waste disposal companies.

III. REGULATORY DATA

1. Has the property or any facility on the property ever (currently or in the past) had permits for discharges to the air, surface waters, groundwater, or storm/sanitary sewer systems?

Yes No Unknown If yes, please provide details and/or a copy of the permit(s):

Envirotech has permits for its lagoon system from the Arkansas Department of Health. Other systems
are septic tanks

**PHASE I ENVIRONMENTAL ASSESSMENT
OWNER/TENANT QUESTIONNAIRE**

2. Have there ever (currently or in the past) been any environmental liens or governmental notification relating to violations of environmental laws with respect to either the property or any facility located on the property? Yes No Unknown

If yes, please explain: None known

3. Has there ever (currently or in the past) been either environmental violations with respect to the property or any facility located on the property? Yes No Unknown

If yes, please explain: None known

4. Has there ever (currently or in the past) been an environmental site assessment of either the property or any facility located on the property? Yes No Unknown

If yes, please explain and provide a copy of any reports prepared for the subject property:

Unknown. However, a very simple Phase I from the late 1990s may be available.

5. Have any reports indicated the presence of hazardous substances or petroleum products on, or contamination of, the property or recommended further assessment of the property?

Yes No Unknown

If yes, please explain: None known

**PHASE I ENVIRONMENTAL ASSESSMENT
OWNER/TENANT QUESTIONNAIRE**

6. Has there ever (currently or in the past) been any threatened or pending lawsuits or administrative proceedings concerning a release or threatened release of any hazardous substance or petroleum product involving the property, or by any owner or occupant of the property?

Yes No Unknown

If yes, please explain: None known

Please disclose any additional information regarding current or past environmental conditions of the property or any facility on the property:

Helena Harbor is developing and submitting an after the fact Section 408 permit with the US Army Corps of Engineers for the development of a dredge disposal site. This has nothing to do with any type of hazardous substance or petroleum product issues.

Fire Department Correspondence

K1 Person/Entity Involved

Local Option

Business name (if applicable)

Area Code

Phone Number

Check This Box if same address as incident location. Then skip the three duplicate address lines.

<input type="checkbox"/>	Mr., Ms., Mrs.	First Name	MI	Last Name	Suffix
<input type="checkbox"/>	Number	Prefix	Street or Highway	Street Type	Suffix
<input type="checkbox"/>	Post Office Box	Apt./Suite/Room	City		
<input type="checkbox"/>	State	Zip Code			

More people involved? Check this box and attach Supplemental Forms (NFIRS-1S) as necessary

K2 Owner

Same as person involved? Then check this box and skip The rest of this section.

Local Option

Business name (if Applicable)

Area Code

Phone Number

Check this box if same address as incident location. Then skip the three duplicate address lines.

<input type="checkbox"/>	Mr., Ms., Mrs.	First Name	MI	Last Name	Suffix
<input type="checkbox"/>	Number	Prefix	Street or Highway	Street Type	Suffix
<input type="checkbox"/>	Post Office Box	Apt./Suite/Room	City		
<input type="checkbox"/>	State	Zip Code			

L Remarks

Local Option

On 03/09/2021 at 09:28:00 dispatched To highway 20 /Helena, AR 72342. The location is a Open land or field. The incident was determined to be a(n) Brush or brush-and-grass mixture fire. After arriving on scene Tanker 3 determined the owner was burning the field off. During this time a Light Pole in the center of the field was on fire which eventually came down. All other areas were contained to the field as they stood by and watched until everything was burned out or extinguished by fire personal.

09:35:00 arrived on scene.

The following actions were performed on scene:

Confine fire (wildland)
Standby

Units responding were:

Unit 1 responded.
Unit 4-WEST responded.
Unit POV responded.
Unit T 3 responded.

12:10:00 all units back in service.

L Authorization

F-25

Officer in charge ID

Carroll, Bryan

Signature

2CP

Position or rank

Assignment

03

Month

10

Day

2021

Year

Check Box if same as Officer in charge.

F-25

Officer Member making report ID in charge.

Carroll, Bryan

Signature

2CP

Position or rank

Assignment

03

Month

10

Day

2021

Year

54301

FDID *

AR

State *

MM DD YYYY

3

9

2021

Incident Date *

1

Station

21-0000635

Incident Number *

000

Exposure *

Complete
Narrative

Narrative:

On 03/09/2021 at 09:28:00 dispatched To highway 20 /Helena, AR 72342. The location is a Open land or field. The incident was determined to be a(n) Brush or brush-and-grass mixture fire. After arriving on scene Tanker 3 determined the owner was burning the field off. During this time a Light Pole in the center of the field was on fire which eventually came down. All other areas were contained to the field as they stood by and watched until everything was burned out or extinguished by fire personal.

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Units responding were:

Unit 1 responded.

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Unit POV responded.

Unit T 3 responded.

12:10:00 all units back in service.

B Property Details

B1 **Other Residential**
 Describe types of residential living units in terms of units stored in all fire units below involved:

B2 **Buildings not involved**
 Name of building involved:

B3 **None**
 Enter number of units involved: 0000000
 Less than one acre

C On-Site Materials or Products **None**

Describe if there were any significant amounts of commercial, industrial, heavy or agricultural materials or materials on the property, material of not that became involved

Enter up to three codes. Check one or more boxes for each code entered:

1 Bulk storage or warehousing
 2 Processing or manufacturing
 3 Packaged goods for sale
 4 Repair or service

1 Bulk storage or warehousing
 2 Processing or manufacturing
 3 Packaged goods for sale
 4 Repair or service

1 Bulk storage or warehousing
 2 Processing or manufacturing
 3 Packaged goods for sale
 4 Repair or service

D Ignition

D1 **Outside Area, Other**
 Describe area:

D2 **Undetermined**
 Describe area:

D3 **Undetermined**
 Describe area:

D4 **None**
 Describe area:

E Cause of Ignition

Check box if this is an exposure report. Skip to section G

1 **Intentional**
 2 **Unintentional**
 3 **Failure of equipment or heat source**
 4 **Act of nature**
 5 **Case under investigation**
 6 **Case undetermined after investigation**

Factors Contributing to Ignition

Agriculture or **None**
 Describe contributing factor:

None
 Describe contributing factor:

G Human Factors Contributing to Ignition

Check all applicable boxes

1 **Asleep** **None**
 2 **Possibly impaired by alcohol or drugs**
 3 **Unattended person**
 4 **Possibly mental disabled**
 5 **Physically disabled**
 6 **Multiple persons involved**

7 **Age was a factor**
 Estimated age of person involved:

1 **Male** 2 **Female**

H Equipment Involved in Ignition

None of equipment was involved skip to section G

H1 **None**
 Describe equipment:

H2 **None**
 Describe equipment:

H3 **None**
 Describe equipment:

H4 **None**
 Describe equipment:

I Equipment Power

None
 Describe power source:

J Equipment Portability

1 **Portable**
 2 **Stationary**

Describe equipment mobility, use or kind of use operation, or designed or use in multiple conditions, and refer to code in section E.

K Fire Suppression Factors

Enter up to three codes. **None**

K1 **None**
 Describe suppression factor:

K2 **None**
 Describe suppression factor:

K3 **None**
 Describe suppression factor:

L Other Property Details

L1 **None**
 Describe other property details:

L2 **None**
 Describe other property details:

L3 **None**
 Describe other property details:

L4 **None**
 Describe other property details:

M Other Property Type & Use

M1 **None**
 Describe other property type:

M2 **None**
 Describe other property type:

M3 **None**
 Describe other property type:

M4 **None**
 Describe other property type:

N Local Use

Pre-fire Plan Available
 Note: All of the information presented in this report may be based upon reports from other agencies

Area report attached
 Police report attached
 Coroner report attached
 Other reports attached

N1 **None**
 Describe local use:

N2 **None**
 Describe local use:

N3 **None**
 Describe local use:

N4 **None**
 Describe local use:

Resumes of Environmental Professionals

Duane T. Kreuger, R.G.

Operations Manager

Experience: 26 years

Education: B.S., Geology, University of Illinois-Urbana

Registration: Registered Geologist: MO, IL
Environmental Professional per ASTM and AAI criteria

Certification: Niton Analyzer Training

Mr. Kreuger is Geotechnology's Operations Manager. Prior to this he was the Environmental Group Manager in St. Louis, as such he has performed hundreds of Phase I ESA's for Local, State, and Federal sites, gasoline stations, hotel developments, libraries, historic facilities, educational campuses, multifamily developments, HUD properties, and brownfield sites.

This project experience includes the oversight of environmental demolition activities, numerous asbestos/lead-based paint survey projects related to renovations of building and HVAC systems, demolition of structures, and property transfers for both public and private sectors. His experience also includes air sampling and contractor observation.

Mr. Kreuger has also served as field geologist on hundreds of subsurface exploration/groundwater monitoring projects including Superfund sites, solid waste landfills, levee/dewatering projects, bridge design, and private developments.

- *Metropolitan Sewer District RDP Tunnel, Mod. #6, St. Louis, Missouri* - Peer Review of documentation for geotechnical exploration along a 9-mile proposed tunnel alignment. The purpose of the exploration is to explore the rock in the zone of the planned tunnel, some 200 to 220 feet below the ground surface. We drilled 18 borings to a depth of 300 feet; 40 to a depth of 250

feet and are drilling two angle holes to a vertical depth of 300 feet; packer tested; performed downhole acoustic televueing, resistivity, and natural gamma downhole surveys; and performed seismic refraction and reflection survey lines. Although still in the early pre-design stage, our findings have led to consideration by the project team to realign a segment of the tunnel to avoid two potential intersections with a geologic fault.

- *Metropolitan Sewer District, DC03 Deer Creek, Sanitary Relief Phase I* – Bedrock geologic reporting including review of historic geologic databases, aerial photograph review, bedrock mapping of outcrops within a 5 mile radius of project which included field measurements of strike and dip and photographic reconnaissance and preparing a geologic summary for the geotechnical exploration report.
- *Metropolitan Sewer District, FF-15 Sanitary Relief Phase III, St. Louis, Missouri* - Peer Review of documentation for work Geotechnology on the project. Services included performing Waters of the United States Delineation for the design phase of the project. Upgrades to the existing sanitary sewer system were designed to alleviate basement backups and overcharged sanitary sewers in the local service area.

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Duane T. Kreuger, R.G. continued

Operations Manager

- *Metropolitan Sewer District CSO LRFM Work Order #2, St. Louis, Missouri* - Peer Review of documentation for geotechnical services related to design of a 3,500-foot long, 10-foot excavated diameter, redundant force main tunnel between the MSD Pump Station 1 and Lemay Wastewater Treatment Plant. Work effort included drilling seven borings to depths of 140 to 228 feet deep utilizing NQ3, wire-line rock coring equipment. Borings were packer tested through the rock-core interval. A geophysics survey that combined resistivity and refraction was used to estimate the location of the existing force main tunnel. Based on these results, the receiving shaft for the project was relocated to lengthen the distance from the existing tunnel.
- *Lambert - St. Louis International Airport Expansion, St. Louis, Missouri* - Project Manager responsible for preparing cost estimates and conducting QA/QC services for Phase I and II ESA's, 1,300 asbestos and lead-based paint surveys, contractor oversight and subsurface explorations.
- *Civil Courts Building, St. Louis, Missouri* – Air monitoring and contractor observation for abatement activities related to the renovation of mechanical and electrical systems for 28-story, 300,000 sf building.
- *I-70 Missouri Connector for the New Mississippi River Bridge, St. Louis, Missouri* – Project Manager for Phase II Environmental Site Assessments for the urban, industrial area within the footprint and vicinity of the connector and the main span.
- *Underground Storage Tank (UST) work plan, Missouri and Illinois*- Program Manager for over 60 underground storage tank sites for a large oil company responsible for writing work plans/cost estimates, directing field activities (including subsurface investigations, groundwater monitoring events, remedial application techniques and response activities) and submitting reimbursement information to the storage tank insurance funds.
- *Webster University, St. Louis, Missouri* – Project Manager for asbestos surveys for a campus-wide asbestos survey and Operations and Maintenance plan (O & M Plan).
- *The New I-64 Asbestos Air Monitoring, St. Louis, Missouri* – Manager for third party oversight, air sampling and closeout documentation for the demo of eight residential structures being cleared for construction of the new I-64.
- *MetroLink Cross County Extension, St. Louis, Missouri* – Responsible for conducting Phase I and II environmental site assessments, remediation design and cost estimates.
- *Missouri Department of Transportation* – Air monitoring and contractor observation for abatement activities related to demolition of residential properties for highway construction.
- *Jefferson Barracks Campus, St. Louis, Missouri* - Project Manager for asbestos, lead-based paint and mold surveys and project specification.

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Operations Manager

- *John J. Pershing Medical Center, Poplar Bluff, Missouri* - Project manager for asbestos, lead-based paint and mold surveys and project specification.
- *Pontoon Road Grade Separation, Granite City, Illinois* – Project Manager for asbestos and household hazardous waste surveys of 35 structures prior to demolition.
- *Former Missouri State Penitentiary, Jefferson City, Missouri* – Project Manager for asbestos, lead-based paint and HHW/CFC surveys for prison demo. Worked with State’s architect to design abatement plans and prepare specifications.
- *O’Fallon Road Relocation, O’Fallon, Missouri* – Managed asbestos and lead-based paint surveys of six commercial structures slated for demolition as part of the construction of a roadway re-alignment.
- *Farmington Correctional Center, Farmington, Missouri* – Project Manager for asbestos, lead-based paint and mold surveys for renovation projects. Worked with State’s architect to design abatement plans and prepare specifications. Reviewed contractor submittals and managed third party air monitoring.
- *Chemetco Superfund Site, Hartford, Illinois* - Managed asbestos, lead-based paint and hazardous material surveys for multiple buildings on the 40-acre site.
- *East St. Louis Housing Authority, East St. Louis, Illinois* – Project Manager for asbestos/lead surveys conducted under a USEPA Brownfield Assessment Grant.
- *Scott Air Force Base, Mascoutah, Illinois* – Managed bulk and air sampling of mold, lead-based paint survey and asbestos surveys for base hotel renovation.

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FROM THE GROUND UP

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Cody J. Flynn

Senior Wetland Scientist

Experience: 10 years
Education: B.S., 2006, Zoology and Physiology, University of Wyoming
Certification: Certified Wetland Delineator: MO
 Wetland Training Institute Basic Wetland Delineation Certified
 American Red Cross Adult CPR/First Aid
 OSHA 10-Hr Construction
 40-Hr Hazwoper and subsequent refresher courses

Cody Flynn is the Senior Wetland Scientist in our East Region. He has a diverse science background along with supervisory and project management experience. He has extensive experience with data collection, technical writing, and GIS skills. Cody's additional experience includes biological T&E surveys, 404 permitting, wetland delineation, Phase I/I ESAs, EPA Method 9 VE, soil and water sampling, and environmental assessments. Mr. Flynn's project experience includes:

- *ODOT Waters and Wetlands Evaluation, Oklahoma City, Oklahoma** - Environmental Scientist for a project that involved the resurface and overlay of an existing roadway, add 8-foot wide paved shoulders, add turning lanes at the SH-132 and Cemetery Road intersections, and extend all bridge boxes and roadway structures to clearzone. Drainage was also improved by adding cross drains at various locations near a golf course.
- *Endangered, Threatened and Candidate Species, Designated Critical Habitat, Bald Eagle and Swallow Assessment, Oklahoma City, Oklahoma** - Environmental Scientist for services provided for the resurface and overlay an existing roadway, add 8-foot wide paved shoulders, add turning lanes at the SH-132 and Cemetery Road intersections, and extend all bridge boxes and roadway structures to clearzone. Drainage was improved by adding cross drains at various locations near the golf course.

- *Aerohub Development-Phase II, Evendale, Ohio* - Senior Wetland Scientist for a Phase I ESA on the property and soil and groundwater sampling and testing. Additionally, Geotechnology conducted preliminary wetlands and waters of the United States (WOUS) and threatened and endangered species assessments on the property. Geotechnology's expertise in WOUS assessments was instrumental in obtaining Section 404 permit on behalf of our client in an expeditious manner which allowed the construction schedule to proceed as planned.
- *Columbia Parkway Landslide Stabilization, Cincinnati, Ohio* - Senior Wetland Scientist for environmental services. The project involved geotechnical consulting and drilling services.
- *Jacobs Farms, Owenton, Kentucky* - Senior Wetland Scientist for a Phase I ESA.
- *Marina Drive Parcel, Olive Branch, Mississippi* - Senior Wetland Scientist for a Phase I ESA.
- *Glassman McKinley Property Environmental Services, Richwood, Kentucky* - Senior Wetland Scientist for a Phase I ESA, Preliminary Wetlands Assessment, WOUS Delineation and preliminary cultural resources assessment.
- *South Kingshighway and Tholozan Due Diligence, St. Louis, Missouri* - Senior Wetland Scientist for a Phase I ESA.

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FROM THE GROUND UP

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Cody J. Flynn continued

Senior Wetland Scientist

- *Enbridge Pipeline Integrity Digs Projects (2018-2019), Various, Minnesota, Michigan, and Wisconsin (Statewide)** - Environmental compliance and inspection specialist for a numerous pipeline integrity dig projects. Responsible for wetland delineation, erosion and sediment control device implementation/compliance. Experienced in performing field surveys for birds (Bald/Golden Eagles), invasive species, rare plants, and T&E species.
- *Kiamichi Family Medical Center, Idabel, Oklahoma** - Natural Resources specialist for and Environmental Assessment (EA) for a proposed medical facility. Responsible for wetland delineation and U.S. Army Corps of Engineers (USACE) concurrence. Contributor for draft EA.
- *Questar Corporation (Wexpro Company) Annual Reclamation Monitoring, Rock Springs, Wyoming** - Biologist responsible for annual reclamation monitoring for oil and gas well pad sites on land owned by the Bureau of Land Management (BLM). Responsible for collecting vegetation and noxious weed data for several hundred sites into Access database, updating database annually, and QA/QC of data.
- *Newfield Exploration Field Development, Vernal, Utah** - Conducted surveys for T&E cactus species (*Sclerocactus brevispinus* and *S. wetlandicus*). Documented species locations and worked with client to avoid and minimize impacts.
- *Oklahoma Department of Transportation Bridge Replacement and Roadway Rehabilitation Projects (2014-2018), Various, Oklahoma (Statewide)** - Natural Resources and NEPA specialist for a numerous bridge replacement and roadway rehabilitation projects and alternative

studies. Responsible for completing field surveys for biological assessments and Waters of the US (WOTUS) delineations, hazardous waste assessments, and authoring technical reports for submittal to Oklahoma DOT. Experienced in public involvement, alternative studies, farmland protection, and categorical exclusions. Relevant projects include:

- *Oklahoma State Job Piece (J/P) 24404(04) & 26343(04) McCurtain County* – Grade, draining, bridge, and surface US-259 – 13.2-mile project involving relocations, cultural resources, impacts, hazardous waste issues, and impacts to T&E species (Northern Long-eared bat and American Burying Beetle).
- *OK J/P 28803(04) – Love County – US-77 Roadway Rehabilitation*
- *OK J/P 24265(04) – Osage County – SH-11 Roadway Rehabilitation*
- *OK J/P 28574(04) – Johnston County – Greasy Bend Road Bridge Replacement*
- *OK J/P 28034(04) – SH-66B over Captain Creek*
- *OK J/P 19576(05) – Interstate 35 Bridge Replacement*
- *OK J/P 30666(04) – Pottawatomie County – Econtuchka Bridge Replacement*
- *OK J/P 30047(04) – Beckham County – Bridge over tributary to Sand Creek*
- *OK J/P 31659(04) – Blaine County – Otter Creek bridge*

*Services provided while at another firm

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Limitations of Report

ENVIRONMENTAL SITE ASSESSMENT
LIMITATIONS OF REPORT

1. This report has been prepared on behalf of and for the exclusive use of the addressee, solely for use in an environmental assessment of the site. This report and the findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party in whole or in part, without the prior written consent of Geotechnology. Unless other contractual agreements were made, the services described in this report were carried out in accordance with the Terms for Geotechnology's Services which accompanied the proposal.
2. This site assessment was performed in accordance with generally accepted practices of other consultants undertaking similar studies at the same time and in the same geographical area, and Geotechnology endeavored to observe that degree of care and skill ordinarily exercised by other consultants under similar circumstances and conditions. The findings and conclusions stated herein must be considered not as scientific certainties, but rather as professional opinions concerning the significance of the limited data gathered during the course of the environmental site assessment. Geotechnology does not and cannot represent that the site contains no hazardous waste or material, oil (including petroleum products), or other latent condition beyond that observed by Geotechnology during its site assessment.
3. The conclusions presented in the Report were based solely upon the services described therein, and not on scientific tasks or procedure beyond the scope of described services or the time and budgetary constraints imposed by Client. Furthermore, such conclusions are based solely on site condition, and rules and regulations, which were in effect at the time of the study.
4. In preparing this Report, Geotechnology has relied on certain information provided by state and local officials and other parties referenced therein, and on information contained in the files of state and/or local agencies available to Geotechnology at the time of the site assessment. Although there may have been some degree of overlap in the information provided by these various sources, an attempt to independently verify the accuracy or completeness of all information reviewed or received during the course of this site assessment was not made.
5. It is recommended that Geotechnology be retained to provide further services during construction and/or implementation of any remedial measures recommended in this report. This is to allow Geotechnology to observe compliance with the concepts and recommendations contained herein, and to allow the development of design changes in the event that subsurface conditions differ from those anticipated.

6. In the event that information is developed relative to environmental or hazardous waste or material issues at the site and not contained in this report, such information shall be brought to Geotechnology's attention. Geotechnology will evaluate such information and, on the basis of this evaluation, may modify the conclusions stated in this Report.
7. Observations were made of the site and of structures on the site as indicated within the Report. Where access to portions of the site or to structures on the site was unavailable or limited, Geotechnology renders no opinion as to the presence of hazardous waste or material, oil or other petroleum products, or to the presence of indirect evidence relating to hazardous waste or material or oil, or other petroleum products in that portion of the site or structure. In addition, Geotechnology renders no opinion as to the presence of hazardous waste or material, oil or other petroleum products or to the presence of indirect evidence relating to hazardous material, oil, or petroleum products where direct observation of the interior walls, floor, roof, or ceiling of a structure on a site was obstructed by objects or coverings on or over these surfaces.
8. Unless otherwise specified in the Report, Geotechnology did not conduct an audit for regulatory compliance or perform testing or analyses to determine the presence of compliance with AULs, asbestos-containing materials, radon, lead-based paint, lead in drinking water, mold, wetlands and other Waters of the U.S., regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, vapor intrusion potential, biological agents, indoor air quality, methane, formaldehyde, and high voltage power lines.
9. It is recommended that Geotechnology be retained to provide further services during construction and/or implementation of any remedial measures recommended in this report. This is to allow Geotechnology to observe compliance with the concepts and recommendations contained herein, and to allow the development of design changes in the event that subsurface conditions differ from those anticipated.