Crafton Tull

April 8, 2025

PHASE I ENVIRONMENTAL SITE ASSESSMENT
MAY HOPE MOOSE - ARROW DRIVE & CEDAR STREET
MORRILTON, AR

Prepared for:
Morrilton Area Chamber of Commerce
115 E Broadway
Morrilton, AR 72110

CT JOB NO. 25102600

Prepared by: Crafton Tull
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LIST OF ACRONYMS

Acronym	Definition
ACM	Asbestos-Containing Material
ADEQ	Arkansas Department of Energy and Environment?s Division of Environmental Quality
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
AUL	Activity and Use Limitation
CESQG	Conditionally Exempt Small Quantity Generator
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act of 1980
CERCLIS	Comprehensive Environmental Response, Compensation and Liability Information System
CFR	Code of Federal Regulations
CREC	Controlled Recognized Environmental Condition
CORRACTS	Corrective Action Site
ECHO	Enforcement and Compliance History Online
EP	Environmental Professional
EPA	United States Environmental Protection Agency
ERNS	Emergency Response Notification System
ESA	Environmental Site Assessment
FR	Federal Register
FEMA	Federal Emergency Management Agency
HAP	Hazardous Air Pollutant
HREC	Historical Recognized Environmental Condition
HUC	Hydrologic Unit Code
LBP	Lead-Based Paint
LLC	Limited Liability Company
LQG	Large Quantity Generator
LRR	Land Resource Region
LUST	Leaking Underground Storage Tank
MLRA	Major Land Resource Area
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NRCS	Natural Resources Conservation Service
PFAS	Per- and Polyfluoroalkyl Substances
PLSS	Public Land Survey System
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
SARA	Superfund Amendments and Reauthorization Act
SWF	Solid Waste Facility
TRI	Toxic Release Inventory
TSD	Treatment, Storage and Disposal Sites
USDA	United States Department of Agriculture
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey
UST	Underground Storage Tanks
VSQG	Very Small Quantity Generator

GENERAL INFORMATION

Project Information:
MAY HOPE MOOSE PH1 ESA
Project Number:
25102600

Consultant Information:
Crafton Tull
901 N 47th Street, Suite 400
Rogers, AR 72756
Phone: (479) 636-4838
E-mail Address:
Inspection Date: March 20, 2025
Report Date: April 8, 2025

Site Information:
MAY HOPE MOOSE NORTH INDUSTRIAL PARK
ARROW DRIVE & CEDAR STREET
MORRILTON, AR 72110
County: Conway
Latitude, Longitude: 35.172168, -92.756943
Site Access Contact: Donnie Crain

Client Information:
Morrilton Area Chamber of Commerce
Donnie Crain
115 E Broadway
Morrilton, AR 72110

Site Assessor

Stuart Gower-Jackson
Senior Environmental Scientist

Senior Reviewer

David Rupe
Vice President

Certification:

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

Stuart Gower-Jackson - Senior Environmental Scientist

EXECUTIVE SUMMARY

Crafton Tull prepared this Phase I Environmental Site Assessment (ESA) for Morrilton Area Chamber of Commerce for an approximately 38 property located at Arrow Drive and Cedar Street, Morrilton, Conway, AR, (Conway Parcel # 001-07772-001, 002-01347-000, 002-01338-000, 002-01341-000, 002-01346-000, 002-01348-000). Morrilton Area Chamber of Commerce is conducting this inquiry to identify potential recognized environmental conditions associated with the subject property and to satisfy all the appropriate inquiries provisions to qualify for landowner liability protections under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). This assessment is valid for this purpose for 180 Days from 03/25/2025.

The ESA was conducted by Crafton Tull Environmental Professional (EP), Boone Ruston, Environmental Scientist with support from Andrea Halladay, Environmental Scientist, consistent with the American Society for Testing and Materials (ASTM) E1527-21, *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, as well as the Environmental Protection Agency's All Appropriate Inquiries rule (82 FR 43310).

No features, activities, uses, or conditions on the subject property or adjoining properties indicated the presence or likely presence of hazardous materials or petroleum products on the subject property either currently or in the past.

It is the opinion of the Environmental Professional that this assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, and/or significant data gaps in connection with the subject property.

Subject Property Description

The subject property is a rectangular or irregularly shaped parcel predominantly utilized as pastureland, situated within a mixed-use zoning district. To the west, south, and east, the parcel is encircled by low- to medium-density residential development. The northern boundary of the property is adjacent to commercial development. The property is bordered by North Cedar Street to the east and Arrow Drive to the north.

Data Gaps

EDR, a workflow solution company with access to over 1,800 databases, and the nation's largest collection of historical property use information, was used to obtain the majority of the historical reference material, including aerial imagery, topographical maps, city directories, building permits, environmental lien information, and activity use limitations (AULs).

EDR was not able to provide any Sanborn fire insurance maps or property tax maps for the project location, which created an acknowledged but insignificant data gap.

Possessing Sanborn maps and property tax maps would have provided more context on the past use of the site. However, the general site use was clearly ascertained through the assessment of aerial imagery (Google Earth historical aerial imagery and EDR-provided aerial imagery) and historical topographic maps. Due to the minimal land use changes, the observations made while on-site, and the availability of most required site data, Crafton Tull does not believe that additional research would have altered our findings.

Environmental Report Summary

No features, activities, uses, or conditions on the subject property or adjoining properties indicated the presence or likely presence of hazardous materials or petroleum products on the subject property either currently or in the past. A natural gas pipeline and electricity transmission right of was is located on the subject property. Livestock ponds are located on the subject property.

It is the opinion of the Environmental Professional that this assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, and/or significant data gaps in connection with the subject property. The existence of a natural gas pipeline is not considered a REC; however, there may be some limitations to development of this portion of the subject property.

Conclusions & Recommendations

Crafton Tull has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527 of a site located at Arrow Drive and Cedar Street, Morrilton, Conway County, AR (Conway County Parcel(s) # 001-07772-001; 002-01338-000; 002-01347-000; 002-01341-000; 002-01346-000; 002-01348-000), known as the subject property. Any exceptions to, or deletions from, this practice are described in Section 1.4, Limitations and Exceptions, and Section 1.5, Deviations.

This assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, or significant data gaps in connection with the subject property.

1.0 INTRODUCTION

1.1 Purpose

Morrilton Area Chamber of Commerce is interested in undertaking an environmental due diligence assessment for the subject property and as a result has retained Crafton Tull to prepare a Phase 1 Environmental Site Assessment (ESA) in accordance with American Society of Testing and Materials (ASTM) *E1527 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process* to assess the environmental condition of the subject properties. Morrilton Area Chamber of Commerce is voluntarily conducting this inquiry to identify potential recognized environmental conditions associated with the property and to satisfy all appropriate inquiries provisions to qualify for landowner liability protections under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

1.2 Scope of Work

Crafton Tull performed a Phase 1 ESA, including an inspection of the property and surrounding area. This ESA conclude d on 04/08/2025 and was conducted consistent with the procedures included in the ASTM E1527-21 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The primary goal and scope of the ESA is to identify recognized environmental conditions on the subject properties. The term recognized environmental condition means:

- the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment;
- the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or
- the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment.
-

What constitutes a hazardous substance is defined pursuant to CERCLA regulations. The ESA is conducted via a site visit to the subject property, records review, and interviews. Historical records and regulatory databases were reviewed to obtain information on any past land use activities that may have been environmentally significant.

A wetland and waters delineation was undertaken by Crafton Tull (see Appendix G).

Per the agreed upon scope of services, this ESA did not investigate issues considered by ASTM to be non-scope considerations. Depending upon future needs and evaluations of business environmental risk, Morrilton Area Chamber of

Commerce may consider additional investigation into one or more non-scope considerations. Non-scope items include, but are not limited to:

- evaluation of asbestos-containing building materials and lead-based paint unrelated to releases to the environment;
- cultural and historic resources;
- ecological resources;
- endangered species;
- significant trees; and
- substances not defined as hazardous substances under CERCLA, including controlled substances and emerging contaminants.

Any soil, water, or air sampling; subsurface or other invasive assessments; vapor intrusion assessments or indoor air quality assessments are also non-scope considerations per the ASTM standard.

1.3 Significant Assumptions

Crafton Tull has conformed to the ASTM Standard in preparation of this document; however, the possibility exists that information relevant to the environmental condition of the property was not available or was not provided during the creation of this report. Also, it may be possible that unreported environmentally harmful activities, such as undocumented disposal of waste, may have taken place and would not be identified in this report, as no pertinent documentation for such activities would exist. In the event of either of these scenarios, Crafton Tull must be informed if any new information is made available so it can be determined if modifications to the conclusions and recommendations provided in this document are required.

1.4 Limitations and Exceptions

This assessment is limited by the availability of information related to the subject property at the time this report was compiled. The conclusions and recommendations derived in this report are based in part on information provided by third parties with specific knowledge of the property. The information contained in this ESA is valid for 180 days from 03/25/2025 If the real estate transaction has not closed within 180 days, elements of the ESA will need to be updated to satisfy all appropriate inquiries requirements.

1.5 Deviations

EDR, a workflow solution company with access to over 1,800 databases, and the nation's largest collection of historical property use information, was used to obtain the majority of the historical reference material, including aerial imagery, topographical maps, city directories, building permits, environmental lien information, and activity use limitations (AULs).

EDR was not able to provide any Sanborn fire insurance maps or property tax maps for the project location, which created an acknowledged but insignificant data gap.

Possessing Sanborn maps and property tax maps would have provided more context on the past use of the site. However, the general site use was clearly ascertained through the assessment of aerial imagery (Google Earth historical aerial imagery and EDR-provided aerial imagery) and historical topographic maps. Due to the minimal land use changes, the observations made while on-site, and the availability of most required site data, Crafton Tull does not believe that additional research would have altered our findings.

1.6 Special Terms and Conditions

Authorization to perform this assessment on 03/20/2025 was given by the property owner, Donnie Crain. Instructions as to the location of the subject property, access, and an explanation of the subject property and facilities to be assessed were provided by Burns & McDonnell on behalf of Morrilton Area Chamber of Commerce

1.7 Reliance

This report has been created for the sole use of Morrilton Area Chamber of Commerce Unless given written permission by Crafton Tull, reliance and use of the information provided in this report by others is strictly prohibited.

2.0 USER-PROVIDED INFORMATION

Morrilton Area Chamber of Commerce was asked to complete a User Questionnaire as described in ASTM E1527 Appendix X3. Donnie Crain, President/CEO, completed the questionnaire on 03/24/2025 and reported no indication of known past releases or uses of the property that would likely result in the release of petroleum products or hazardous substances. Donnie Crain's completed user questionnaire can be found in Appendix E.

2.1 Activity/Use Limitations

Morrilton Area Chamber of Commerce did not make Crafton Tull aware of any known Activity and Use Limitations (AUL) associated with the subject property. The EDR Environmental Lien and AUL search was conducted and identified no limitations on the Subject Property.

2.2 Specialized Knowledge

A Phase I Environmental Site Assessment (ESA) was previously conducted in 2006 by a Environmental Enterprise Group, Inc. (EEG) (refer to Section 5.4.6) and included the northern portion of the current subject property. Additionally, a Stormwater Pollution Prevention Plan (SWPPP) was submitted on November 20, 2018, covering 30 acres out of a total of 64.50 acres, in relation to the proposed construction of an industrial park; however, the construction of the industrial park was never carried out.

2.3 Valuation Reduction for Environmental Issues

Crafton Tull has not been provided with information related to a valuation reduction due to environmental issues. The User indicated that the purchase price being paid for the subject property reasonably reflected the fair market value of the property.

2.4 Owner, Subject Property Manager, and Occupant Information

Crafton Tull was provided with an additional Owner Questionnaire completed by the owner in lieu of a verbal interview. T he President/CEO, Donnie Crain, completed the questionnaire on 03/24/2025 and reported no indication of known past releases or uses of the property that would likely result in the release of petroleum products or hazardous substances. The property was historically utilized for agricultural purposes prior to its redevelopment for construction of an industrial park. The completed questionnaire can be found in Appendix E.

2.5 Reason For Performing Phase I ESA

Morrilton Area Chamber of Commerce is interested in the construction of an industrial park on the subject property and is voluntarily conducting this inquiry to identify potential recognized environmental conditions associated with the property and to satisfy all appropriate inquiries provisions to qualify for landowner liability protections under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA).

3.0 SUBJECT PROPERTY DESCRIPTION

3.1 Location and Legal Description

The subject property is an approximately 38-acre site located at Arrow Drive and Cedar Street, Morrilton, Conway County, AR (Conway County Parcel(s) # 001-07772-001; 002-01338-000; 002-01347-000; 002-01341-000; 002-01346-000; 002-01348-000). The general vicinity of the subject property is shown on the USGS 7.5-minute quadrangle included as Appendix A - Figure 1 and is shown on aerial imagery in Appendix A - Figure 2.

Section 12 & 13 in Township 6 N Range 17 W (S12-6N-17W & S13-6N-17W).

The legal property description is:
FRL NE NE

3.2 Subject Property and Surrounding Area Description

The subject property consists of approximately 38 acres and is currently not in use. Subject property was previously used for agriculture, it was purchased with the intent to develop an industrial park. There are no buildings constructed on the subject property. There is evidence of a historic horse racetrack, which was supported by a finding in a previous Phase 1 ESA report. The field reconnaissance confirmed the presence of an upland, moderately sloping hillside and hilltop that was dominated by maple and cedar trees in the northern portion of project area. The southwestern portion of the project area supported low-lying emergent wetland areas.

The surrounding area has historically been and continues to be in primarily agricultural and residential use, with the volume of single-family residences increasing slightly to the south, while light industrial and commercial development has increased to the north. Remnants of a fish hatchery can be seen to the northwest.

Subject property

View accross site towards Wayne Smith Trucking & TXD Services LP

3.3 Current Use of Subject Property

The subject property has been primarily in agricultural use throughout the recorded history with the northeast portion historically supporting a dirt horse racetrack to train horses. There have never been any buildings developed on the subject property.

3.4 Description of Structures and Other Improvements

There are no buildings or structures on the subject property. A stormwater permit was issued for the 30 acres of the subject property in 2018, and implementation of the stormwater plan has been completed. Stormwater structures are located on the eastern boundary of the subject property following the contour of North Cedar Street. The southern boundary of the subject property supports an electrical ROW. Two natural gas lines transect the subject property on the northern portion of the subject property and run from east to northwest.

Property Summary	
Size of Property (approximate):	38 acres
General Topography of Property:	Slopes towards the southwest
Adjoining and/or Access/Egress Roads:	North cedar street; Arrow drive
Paved or Concrete Areas (including parking):	None
Unimproved Areas:	38 acres
Landscaped Areas:	None
Surface Water:	.5 acres
Potable Water Source:	None
Sanitary Sewer Utility:	None
Storm Sewer Utility:	None
Electrical Utility:	Entergy Arkansas
Natural Gas Utility:	Enable Gas Transmission, LLC

3.5 Roads

The subject property is bounded to the east by North Cedar Street, northeast by an unnamed road, and to the north by Arrow Drive. To the west, two local roads, Henry Street and Winfrey Street, are located on neighboring properties; however, these roads are dead-end streets and do not provide direct access to the subject property.

3.6 Potable Water Source

The subject property is undeveloped.

3.7 Heating/Cooling Systems and Fuel Sources

No buildings exist on the property.

3.8 Sewage Disposal/Treatment System

No buildings exist on the subject property.

3.9 Solid Waste Management System

No solid waste is generated at the subject property. No dumpsters are located on the subject property.

3.10 Adjoining Property Information

The table below lists the land use on properties in the immediate vicinity of the subject property observed by Crafton Tull during the site reconnaissance.

Adjoining Property Information			
Direction From Subject Property	Occupant	Use	Comments

Direction From Subject Property	Occupant	Use	Comments
North	Wayne Smith Trucking & TXD Services LP (SFP ENTERPRISES LLC.)	Commercial Trucking Company	Wayne Smith Trucking established in approximately 2009 have used this area as a commercial area/parking area for their equipment. TXD Services was established around 2019.
South	DUNN DARRELL & JENNIFER B	Agriculture & Single family residential home.	
East	SFP ENTERPRISES LLC. CONWAY COUNTY INDUSTRIAL DEV HILL CARL A. & JANIS K. MATTCO DEVELOPMENT INC WELTER & HART	Single family residential complex & Vacant Land	
West	CAMPBELL STEPHEN D & GINGER L HAGANS BONNIE JO REV TRUST MEUIR REBECCA WELLS R. T. YOUNG DEBORAH M.	Single family residential homes.	

Western boundary of subject property

Adjoining property on the south

View accross site towards Wayne Smith Trucking & TXD Services LP

4.0 SITE RECONNAISSANCE

The information contained in this section is based on a visual reconnaissance conducted while walking through the site. The periphery of the subject property, interiors of structures located on the subject property, and the adjoining properties were observed by Boone Ruston, Environmental Scientist, on 03/20/2025. A summary of the conditions on site at the time of observation are described in the table below. The property and adjoining properties are shown in Appendix A. Photo documentation of the site at the time of the site reconnaissance visit is provided in Appendix B.

Site Visit Summary	
Field Personnel	Boone Ruston
Date	03/20/2025
Weather Conditions	Dry / cloudy / 53°F
Site Contact / Title	Steven Beam / Representative of Owner (not present during the site visit)

4.1 Methodology and Limiting Conditions

The site reconnaissance consisted of observing the boundaries of the subject property and systematically traversing the subject property to provide an overlapping field of view, wherever possible. The adjoining properties were visually observed from curbside but were not entered. The inability to inspect these areas does not represent a significant data gap.

The current condition of the subject property is described below. Photographs from the site reconnaissance visit are included in Appendix B. The entirety of the undeveloped acreage was available for assessment.

4.2 General Subject Property Setting

The subject property consists of approximately 38 acres of undeveloped pasture within the city limits of Morrilton, AR (Conway County). The subject property is bounded to the east by North Cedar Street and to the north by Arrow Drive.
It is located within the Point Remove Creek & Overcup Creek subwatershed (12-digit HUC 111102030206 & 111102030205) of the East Fork Point Remove Creek watershed (10-digit HUC 1111020302) within the Lake Conway-Point Remove cataloging unit (8-digit HUC 11110203).

The subject property is generally gently to moderately sloped and contains two ponds. A summary of the topography, soil, and water resources is shown in the table below.

Topography, Soil, and Water Resources		
Element	**Information**	**Source**
Topography	Topography of the site slopes moderately from north to south.	USGS Topographic Map Appendix A - Figure 1
Site Elevation	Site Elevation 338 feet AMSL	USGS Topographic Map Appendix A - Figure 1
Soil Type(s)	Guthrie silt loam, occasionally flooded, 0-2 % slopes Leadvale silt loam, 1-3 % slopes Linker fine sandy loam, 3-8% slopes Mountainburg stony fine sandy loam, rocky, 3-8% slopes Mountainburg stony fine sandy loam, rocky 12-40% slopes Taft silt loam, 0-2% slopes Water, 0% slopes	U.S. NRCS Appendix A - Figure 3
Soil Permeability	Guthrie silt loam is poorly drained. Leadvale silt loam is moderately well drained. Linker fine sandy loam is well drained. Mountainburg stony fine sandy loam, rocky is well drained. Taft silt loam is somewhat poorly drained.	U.S. Natural Resources Conservation Service Web Soil Survey
Wetlands / Waters	Wetlands / Waters NWI maps indicate there are two ponds on site. Large areas of potential wetland indicators were observed.	U.S. Fish and Wildlife Service NWI Wetlands Mapper Appendix A - Figure 4
Floodplain	The subject property is not inside nor adjacent to a FEMA floodplains or floodways and Zone AE.	FEMA FIRM Panel 05143C0205G (Rev.1/25/2024) Appendix A - Figure 5
Topographic Gradient	Elevation is generally highest in the north of the site. The site drains to the south/southwest.	USGS Topographic Map Appendix A - Figure 1

4.3 Site Visit Findings

A summary of the findings of the site visit is presented in the table below. Conditions, features or operations observed or identified are discussed further if noted.

Summary of Site Visit Findings

Condition, Feature or Operation Observed or Identified?	Yes	No
Hazardous Substances		None observed during the site reconnaissance.
Petroleum Products		None observed during the site reconnaissance.
Underground Storage Tanks (USTs)		None observed during the site reconnaissance.
Aboveground Storage Tanks (ASTs)		None observed during the site reconnaissance.
Strong, Pungent, or Noxious Odors		None observed during the site reconnaissance.
Standing Surface Water and Pools or Sumps Containing Liquids Likely to be Hazardous Substances or Petroleum Products		None observed during the site reconnaissance.
Drums, Totes, and Intermediate Bulk Containers		None observed during the site reconnaissance.
Hazardous Substance and Petroleum Product Containers Not in Connection With Identified Uses		None observed during the site reconnaissance.
Unidentified Substance Containers		None observed during the site reconnaissance.

Condition, Feature or Operation Observed or Identified?	Yes	No
PCB-Containing Items		None observed during the site reconnaissance.
Stains or Corrosion on Floors, Walls, or Ceilings		None observed during the site reconnaissance.
Drains and Sumps		None observed during the site reconnaissance.
Pits, Ponds, or Lagoons	Two man made ponds observed in the center of the subject property.	
Solid Waste		None observed during the site reconnaissance.
Stained Soil or Pavement		None observed during the site reconnaissance.
Stressed Vegetation		None observed during the site reconnaissance.
Wells		None observed during the site reconnaissance.

4.3.1 Aboveground Storage Tanks (ASTs)

No aboveground storage tanks (ASTs) were observed on the subject property during the site reconnaissance. Two ASTs were documented within a 0.5-mile radius at lower elevation on the northern neighboring property north of Arrow Drive.

4.3.2 Pits, Ponds, or Lagoons

Two ponds were observed on the subject property during the site reconnaissance.

Pond 1

Pond 2

4.3.3 Solid Waste

No readily apparent evidence of solid waste dumping, suspect fill material, or landfills was identified on the subject property during the site reconnaissance. There is record of two solid waste disposal facilities within a 0.5 mile radius of the subject property (Action Shredding and Recycling).

5.0 RECORDS REVIEW

The purpose of the records review is to obtain and review records that will help identify RECs in connection with the subject property.
To conduct tasks related to reconstruction of the subject property's history, Crafton Tull:

- Researched available deed and title information to identify owners who may have used the property for industrial and/or hazardous waste handling activities;
- Obtained and reviewed aerial photographs of the subject property and adjoining properties to determine current uses that may have an environmental impact on the subject property;
- Obtained and reviewed available government records to identify use, generation, storage, treatment, and/or disposal of hazardous materials, and release incidents that may impact or have impacted the property;
- Reviewed available reports and other documentation from government agencies on the subject property and adjoining lands; and
- Interviewed the key site manager of the property and representatives to identify any additional areas of concern.

Crafton Tull contracted EDR to conduct a search of Federal and State databases containing known and suspected sites of environmental contamination. EDR conducted the environmental database search 03/21/2025 - 03/25/2025. The methods used by EDR for identifying sources of potential contamination consisted of a review of regulatory federal and state databases, Sanborn maps, property tax records, environmental liens, activity and use limitations, building permits, city directories, historical aerial photographs, and topographic maps.

Copies of the EDR research data and a description of the databases are included in Appendix D of this report.

5.1 Standard Environmental Record Resources

Environmental Database Searches
To conduct tasks related to environmental database searches, Crafton Tull identified, obtained, and reviewed federal, state, and local databases and records to discover if the subject property, or any adjoining properties, currently pose, or have posed in the past, an environmental hazard. Additionally, Crafton Tull reviewed historical aerial photographs and topographic maps of the subject property and surrounding area.

Standard environmental record resources were reviewed in accordance with current ASTM E1527-21 distance parameter guidelines, and as identified by EDR. An environmental database report is included in the appendices. Database and information researched included the following:

Federal Records Searched
The following federal records and databases were reviewed for this assessment:
NATIONAL PRIORITIES LIST (NPL) - The U.S. Environmental Protection Agency (EPA) listing of federal Superfund sites. The NPL is a list of locations that have been evaluated using the Hazard Ranking System, and that have been determined to pose an imminent threat to human health or the environment.
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) The EPA database of known, alleged, or potentially hazardous waste sites that have been investigated, or require investigation, under CERCLA. For sites that have been investigated, site status is given; sites not investigated are potentially eligible for inclusions on the NPL.
Toxic Release Inventory (TRI) The EPA database containing information on toxic chemical releases, pollution prevention activities, and other waste management activities reported by industrial and federal facilities in the United States.
Brownfields Program The EPA's Brownfields Program provides grants and technical assistance to communities, states, tribes and others to assess, safely clean up, and sustainably reuse contaminated properties.
Resource Conservation and Recovery Act (RCRA) - Treatment, Storage and Disposal Sites (TSD): Companies which have reported that they treat, store, and/or dispose of hazardous waste; and RCRA Transport Sites: companies which have reported that they transport hazardous waste.
Emergency Response Notification System (ERNS) - The Emergency Response Notification System (ERNS). The EPA database of reported hazardous substance releases.

Enforcement and Compliance History Online (ECHO) The ECHO database is maintained by the EPA as a repository of compliance and enforcement measures taken by the agency.

State Records Searched
The following state records and databases were reviewed for this assessment:
Arkansas Department of Environmental Quality's online "EnviroView", "Arkansas Brownfield Program Viewer", "MethViewer", "Complaints & Inspections Data", and "Legal Orders" databases were searched for past and current records of hazardous waste facilities, landfills and solid waste disposal facilities, aboveground storage tanks, underground storage tanks, brownfield sites, illegal dumps, elective environmental cleanup sites, and legal orders at the subject property and in the surrounding area.

An environmental database report is included in the appendices. Database and information researched included the following (see also Appendix A - Figure 6).

5.2 Additional Environmental Record Resources

Specialized search of surrounding properties was conducted using utilizing Arkansas Brownfield Program, EPA facility reports and Arkansas Department of Environmental Quality (ADEQ). Relevant Records are included in Appendix D.

5.3 Physical Setting

General site settings including topography, surface water bodies, geology and hydrology are detailed in the following sections.

5.3.1 Topography

Topography of the site is gently to moderately sloped with elevations ranging from 338 feet AMSL. Elevation is generally highest in the northern portion of the site, sloping gradually to the south/southwest.

5.3.2 Surface Water Bodies

Overall, the project area is largely upland, supporting varied slopes. Nine wetlands, two ponds, one ephemeral channel, and one non-seasonal intermittent channel, which generally flow east and southwest, respectively, were observed within the project area

5.3.3 Geology and Hydrology

The subject property is located within the Arkansas Valley Plains (Ecoregion 37d), a region defined by its undulating plains, occasional hills, and ridges. Geologically, this area is primarily composed of interbedded Pennsylvanian sandstone, shale, and siltstone, indicative of its formation as an alluvial valley between the Ozark Highlands and the Ouachita Mountains.

Hydrologically, the region is influenced by the Arkansas River and its tributaries, with wetlands primarily occurring along the river's floodplain and terraces. The hydrology across the wetland areas appears to be primarily supported by surface runoff and swales flowing eastward through the site, collecting in natural depressional features. Additional hydrologic input may originate from a nearby man-made pond via seepage, as well as from offsite stormwater infrastructure. Some areas may have historically been connected to adjacent features, such as a decommissioned fish hatchery.

5.4 Historical Use

The objective of reviewing historical resources is to develop a history of the previous uses of the subject property and surrounding area, in order to help identify the likelihood of past uses which might have led to RECs in connection with the subject property.

5.4.1 Historical Summary

Historical information identifying the past use of the subject property was obtained from a variety of sources as detailed in Appendix C of this report. Crafton Tull reviewed the following historical sources: City Directories, Aerial Photographs, Sandborn Fire Insurance Maps and Topographic Maps.

Historical Summary			
Period	**Source**	**Subject Property Uses**	**Adjoining Property Uses**
1978	Aerial Photographs & Topographic Maps	The property consists of an expansive open pasture area, with the inclusion of two small ponds at the southern section of subject property and a large pond on the north side of subject property. There is evidence of a track present on the property; however, its boundaries are unclear and not distinctly defined.	Open, unoccupied pastures on west, south and east neighboring properties. Woodland and poorly defined road present on north neighboring property.
1983	Aerial Photographs	Ponds still present on subject property with no change. A better defined representation of a horse racing track is now depicted on subject property.	Single family homes developed on the west and south neighboring properties. Part of horse track present on northeastern part of neighboring property.
1994	Aerial Photographs	Small unpaved road heading from southeast corner of subject property to the northeastern section of subject property connecting to pre-existing horse track and large pond.	Addition of ponds in the northwest neighboring property for fish hatchery. Unpaved North cedar street now present on the east neighboring property. Part of horse track present on northeastern part of neighboring property.
2001	Aerial Photographs		More single-family homes developing on the western and southern neighboring properties. Arrow drive on the northern neighboring property now present. Part of horse track present on northeastern part of neighboring property.
2006	Aerial Photographs	Large pond on the north side of the property begins to dry up. More defined unpaved road constructed running from eastern side of subject property to track that appears to no longer be used.	Pond on the eastern neighboring property has also dried up. Woodlands have been cleared on the northern neighboring property.
2010	Aerial Photographs	Large lake on the north side of the property has been filled with dirt. The southern most pond on the subject property has also been filled. Track is beginning to lose definition due to regrowth of woodland.	Single-family residences constructed on eastern neighboring property.

Period	Source	Subject Property Uses	Adjoining Property Uses
2015	Aerial Photographs & Topographic Maps	Northern half of subject property completely regrown with woodland. Southern half of subject property is now pastureland. Previous roads on subject property have been covered.	Large, paved roadway built that abuts the northeastern curve of subject property. North cedar street on the east has now been paved and connects to arrow drive to the north.
2019	Aerial Photographs	Large patch of dirt on eastern side of subject property.	

5.4.2 City Directories

Crafton Tull reviewed city directories for the subject property and adjoining properties provided by EDR that covered the years 1992 through 2020.

The subject property has not been listed.

One property, 1 Arrow Drive, was identified and further investigated.

5.4.3 Aerial Photos

Crafton Tull reviewed the following historical sources at approximately 10 to 15 year intervals, where readily available, to develop a history of the previous uses of the site and surrounding area. Evaluation of aerial imagery may be limited by a photo's quality and scale. Selected historical aerial photographs were obtained from EDR and are summarized below. Historical aerial photographs provided by EDR included the years 1978, 1983, 1994, 2001, 2010, 2015, and 2019; additionally, the years 1994, 2001, 2006, 2009, 2010, 2011, 2012, 2013, 2014, 2016, 2017, 2018, 2019, 2021, and 2024 were available on open-source Google Earth aerial imagery. Selected observations from the review are described in the table above.

5.4.4 Sanborn/Historical Maps

Historical fire insurance maps produced by the Sanborn Map Company were requested from EDR to evaluate past uses and relevant characteristics of the site and surrounding properties. As mentioned in the Data Gaps section, based upon inquiries to the above-listed Sanborn provider, Sanborn maps are not available for the site. Copies of historical documents are included in Appendix C.

5.4.5 Historical Topographic Maps

Crafton Tull reviewed the following historical sources at approximately 10 to 15 year intervals, where readily available, to develop a history of the previous uses of the site and surrounding area. Publicly available historical USGS topographic maps were obtained from EDR and are summarized below. The provided USGS Topographic maps from EDR included the years 1889, 1892, 1894, 1961, 1979, 1981, 1990, 1995, 2014, 2017 and 2020. Selected observations from the review are described in the table above.

5.4.6 Previous Environmental Reports

During the due diligence investigation, a previously conducted Phase I Environmental Site Assessment (ESA) was identified and examined, which indicated plans for the development of the subject property into an industrial park. In connection with the proposed development, a Stormwater Pollution Prevention Plan (SWPPP) permit was issued for 30 acres of the total 64.5-acre parcel. This permit, however, expired in 2021, and the planned industrial park development was never realized. The absence of development and the expiration of the permit suggest that the intended construction did not proceed beyond the permitting stage.

5.4.7 Building Department Records

The complete collection of Building Permit data available to EDR has been searched, and as of 03/25/2025, EDR does not have access to building permits in the city where the target property is located (Morrilton, AR). Given the historic and current use of the subject property, no change in the land use or properties on site, the inability to inspect these records is not considered to represent a significant data gap.

5.4.8 Title Records

No title records were provided by the user/client. Please refer to the Records Review section for current and historical ownership/use of the subject property.

5.4.9 Other Historical Records

Standard environmental record resources (see Section 5.1) as established in the ASTM Standard Practice were searched. This review seeks to identify records that indicate the possibility for a hazardous substance or petroleum product release that could constitute a material threat to the subject property. This review is not intended to provide a comprehensive list of environmental discharge permits in the area but to identify possible threats to the subject property.
ADEQ permit information is mapped in Appendix A - Figure 6 and active permits are listed in the table below.

The subject property has no current or past regulatory records with the State of AR. The EDR federal regulatory database record search yielded no records for the subject property: No registered storage tanks records were found for the subject property.
No National Priorities List sites are within a mile of the subject property.

One stormwater permit for the adjoining property to the north was found. No other regulatory records were found for parcels immediately adjoining to the subject facility.

Two records were found for non-adjoining properties within a one (1) mile radius of the subject property. The first was an expired oil or gas well that was never physically drilled. The second was for Arrow Automotive located 0.68 miles to the east of the subject property; a permit for construction/operation/maintenance of an air pollution system was documented in 1999. Arrow Automotive has also has chemical on-site disposals documented by the EPA between the years 1988-1995. The ADEQ Arkansas Brownfield report for the Arrow Automotive property indicates no No records are available for this project beyond the Implementing Agreement in 6/15/2000 and was withdrawn from the Brownfield Property Listing.

5.5 Environmental Liens and Activity/Use Limitations

No Environmental Liens or Activity/Use Limitations were found relating to the Subject Property.

6.0 INTERVIEWS

Records of the interview communication are included in Appendix E.

6.1 Key Site Manager

Crafton Tull was provided with an additional Owner Questionnaire completed by the owner in lieu of a verbal interview. The President/CEO of the Conway County Economic Development Corporation, Donnie Crain, completed the questionnaire and reported no indication of known past releases or uses of the property that would likely result in the release of petroleum products or hazardous substances. They reported that the property has previously been in agricultural use. The completed questionnaire can be found in Appendix E.

6.2 Government Officials

The City of Morrilton was contacted for any records of contamination, spills, emergencies, etc. The relevant city official at the Morrilton Fire Department confirmed that there was no record of contamination, spills, or emergencies at the subject property or in the vicinity. Record of this communication is included in Appendix E.

7.0 NON-SCOPE CONSIDERATIONS

Two non-scope services, a wetland delineation (section 7.1) and a threatened & endangered species assessment (section 7.3), were requested with this assessment to be completed by Crafton Tull.

A Cultural Resources study and geotechnical investigation were commissioned by the client and undertaken outside of the scope of this Phase 1 assessment and are referenced in 7.2 and 7.4 respectively.

7.1 Wetlands

Approximately 5 acres of wetlands were observed in the south/southwest and western section of the subject property during site reconnaissance. Nine wetlands were identified within the project area. This site has been heavily manipulated and many of these wetlands would not exist if not for large, geomorphological disturbances of the project area (see wetland delineation report included in Appendix G). No wetlands identified during the field observations appeared to have a visible connection to potentially regulated features.

7.2 Endangered Species

A search of the IPaC (Information for Planning and Consultation) database identified seven (7) threatened or endangered species potentially occurring within the subject property. Among them, two federally listed bat species, the Indiana Bat (*Myotis sodalis*) and the Tricolored Bat (*Myotis subflavus*) were identified as species that could be present within the project area and/or impacted by project activities.

Both bat species rely on underground hibernacula during the winter months. In mid-spring, they emerge and roost in trees with exfoliating bark or similar suitable structures.

The project area contains few to no stands of mature woodlands, though some individual trees with exfoliating bark are present along the western and southwestern portions of the site. This suggests limited potential for both foraging and roosting.

Based on onsite reconnaissance and desktop evaluation, the Indiana Bat and Tricolored Bat are the only federally listed species with a possible risk of adverse impact from the proposed project. Of the two, the Tricolored Bat is more likely to be present in the area. However, it has not yet been formally listed as endangered, and the proposed project is not expected to cause jeopardy to the species.

While the likelihood of direct take (harm or mortality) is very low, it is possible, though highly unlikely, that removing a suitable roost tree during active periods (late March to late October) could impact either species. Given their low probability of occurrence within the project area and the minimal likelihood of tree removal coinciding with active roosting, the risk remains negligible.

To further minimize potential impacts, it is recommended that any necessary tree removal occur during the inactive period (mid-November to mid-March) when the bats are in hibernation.

8.0 FINDINGS AND OPINIONS

No features, activities, uses, or conditions on the subject property or adjoining properties indicated the presence or likely presence of hazardous materials or petroleum products on the subject property either currently or in the past. A natural gas pipeline and electricity transmission right of was is located on the subject property. Livestock ponds are located on the subject property.

It is the opinion of the Environmental Professional that this assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, and/or significant data gaps in connection with the subject property. The existence of a natural gas pipeline is not considered a REC; however, there may be some limitations to development of this portion of the subject property.

9.0 CONCLUSIONS & RECOMMENDATIONS

Crafton Tull has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E1527 of a site located at Arrow Drive and Cedar Street, Morrilton, Conway County, AR (Conway County Parcel(s) # 001-07772-001; 002-01338-000; 002-01347-000; 002-01341-000; 002-01346-000; 002-01348-000), known as the subject property. Any exceptions to, or deletions from, this practice are described in Section 1.4, Limitations and Exceptions, and Section 1.5, Deviations.

This assessment has revealed no recognized environmental conditions, controlled recognized environmental conditions, or significant data gaps in connection with the subject property.

10.0 REFERENCES

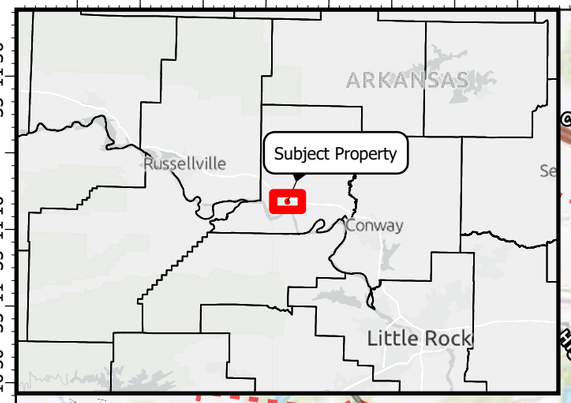
- ASTM E1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM International, West Conshohocken, PA, November 2021, www.astm.org
- State of Arkansas, Arkansas Department of Energy & Environment's Division of Environmental Quality. ADEE-DEQ Arkansas Brownfield Program Viewer. Available online at the following link: https://arkansasdeq.maps.arcgis.com/apps/webappviewer/index.html?id=ff40276a78994134802d88d5253dc834
- State of Arkansas, Arkansas Department of Energy & Environment's Division of Environmental Quality. ADEE-DEQ Complaints & Inspections Data. Available online at the following link:

  https://www.adeq.state.ar.us/complaints/searches/#Display
  https://arkansasdeq.maps.arcgis.com/apps/webappviewer/index.html?id=ff40276a78994134802d88d5253dc834
- State of Arkansas, Arkansas Department of Energy & Environment's Division of Environmental Quality. ADEE-DEQ EnviroView Data Viewer. Available online at the following link: https://arkansasdeq.maps.arcgis.com/apps/webappviewer/index.html?id=96a9f37d695e4c48a047f11f5b541139
- State of Arkansas, Arkansas Department of Energy & Environment's Division of Environmental Quality. ADEE-DEQ Facility and Permit Summary Permit Data System (PDS). Available online at the following link: https://www.adeq.state.ar.us/home/pdssql/pds.aspx.
- State of Arkansas, Arkansas Department of Energy & Environment's Division of Environmental Quality. ADEE-DEQ Legal Orders Database. Available online at the following link: https://www.adeq.state.ar.us/legal/orders.aspx
- State of Arkansas, Arkansas Department of Energy & Environment's Division of Environmental Quality. ADEE-DEQ MethViewer Data Viewer. Available online at the following link: https://arkansasdeq.maps.arcgis.com/apps/webappviewer/index.html?id=0008d9d19a154bdabf9578f3ed8acf32

- Threatened and Endangered Species Assessment May Hope Moose | Morrilton, AR, Crafton Tull, March 26, 2025.
- United States Department of Agriculture. Natural Resources Conservation Service, Web Soil Survey. Available online at the following link: https://websoilsurvey.sc.egov.usda.gov/
- United States Department of Interior. United States Fish and Wildlife Service. Wetlands Mapper. Available online at the following link: https://www.fws.gov/wetlands/data/mapper.html
- United States Environmental Protection Agency, Enforcement and Compliance History Online. Available online at the following link: https://echo.epa.gov/
- United States Environmental Protection Agency, Multisystem Search. Available online at the following link: https://enviro.epa.gov/facts/multisystem.html
- United States Environmental Protection Agency, USEPA. (n.d.). Ecoregions of Arkansas. United States Environmental Protection Agency. https://gaftp.epa.gov/epadatacommons/ORD/Ecoregions/ar/ar_front.pdf.
- Wetlands and Waters of the U.S. Delineation Report — Pursuant to Section 404 of the Clean Water Act May Hope Moose Site | Morrilton, AR. Crafton Tull, April 7, 2025.

APPENDIX A

Figures



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35°11'30" 35°11'10" 35°11' 35°10'50" 35°10'30" 35°10'10" 35°10' 35°9'50" 35°9'40" 35°9'30" 35°9'20" 35°9'10" 35°9' 35°8'50"

County Road 536
Highway 64
Dixon Ellis Rd
Monastery Ridge Rd
McKennon Rd
Point Remove Creek
Highway 95
Creek Rd
Highway 247
Woody Dr
N Shore Dr
Kordsmeier Ln
Highway 9
Dillon Dr
W Clay St
W Shady Ln
Caney Creek
Oak St
Arrow Dr
Smith St
Winfrey St
Central Dr
Bruce St
Poor Farm Rd
St Vincent Morrilton
Blue Diamond Dr
N Cedar St
E Harding St
Morrilton Country Club
S 1st St
Highway 113
W Broadway St
Bentley St
Lane St
N Morrill St
N Moose St
N Saint Joseph St
E Childress St
Branch St
W Church St
Morrilton
E Broadway St
E Church St
Wall St
Bennett St
Brown St
Green St
Holloway St
View St
287
40

Crafton Tull

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MAY HOPE MOOSE
CEDAR ST / ARROW DR
MORRILTON, AR
PHASE I ENVIRONMENTAL SITE ASSESSMENT

CT Prj #: 25102600

Figure 1

USGS Topographic Map

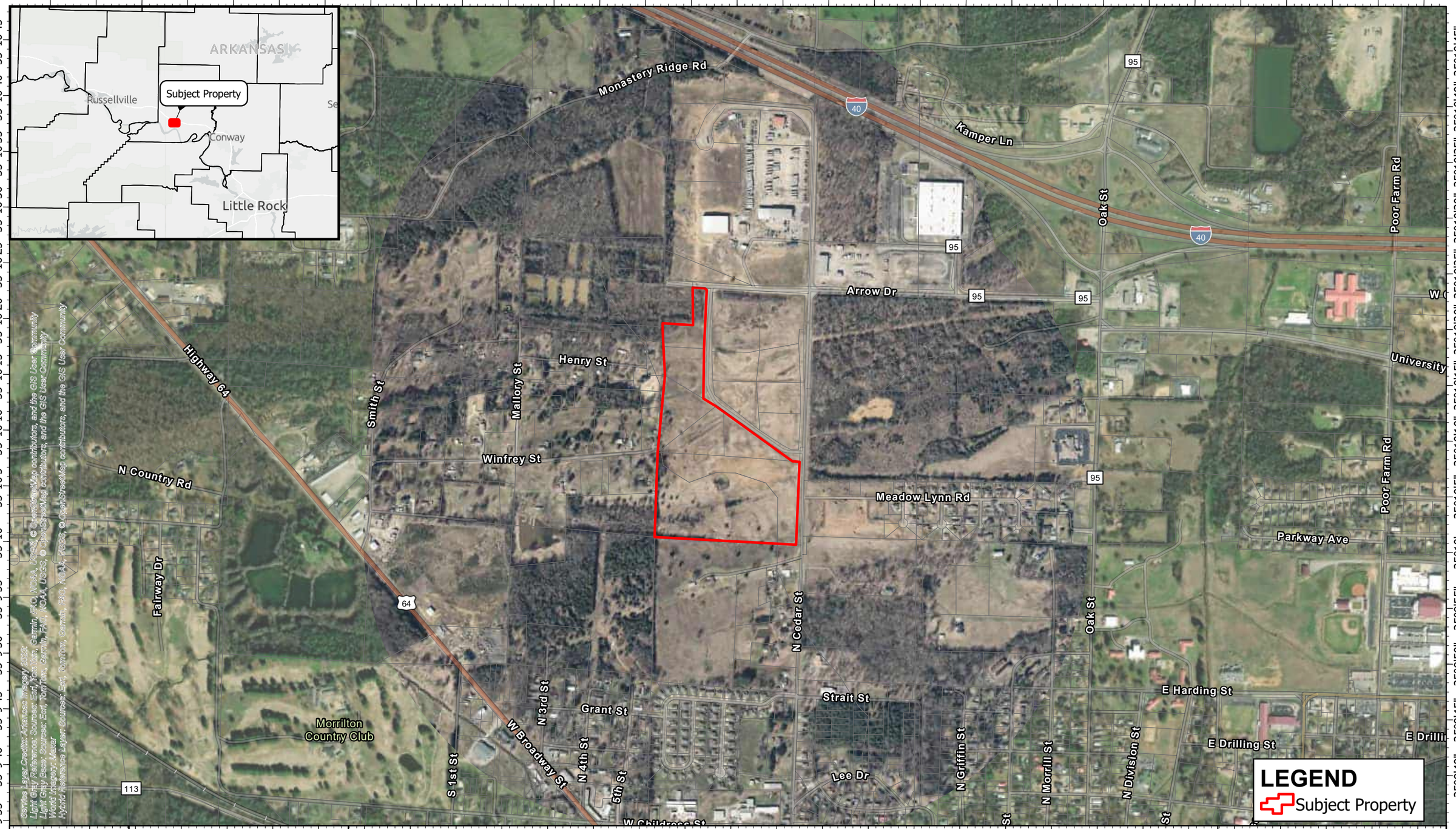
T6 N R17 W

\\rogfile\jobfiles\25102600_MayHope\ENVIRONMENTAL\GIS - May Hope Moose Ph1 ESA\GIS - May Hope Moose Ph1 ESA

Map Center Co-ordiantes: 92°45'21"W 35°10'12"N

USGS Topographic Quadrangle:

Date Exported - 3/31/2025 9:23 AM [sg5295]



Spatial ReferenceName: NAD 1983 StatePlane Arkansas North FIPS 0301 Feet

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Figure 2

Aerial Imagery

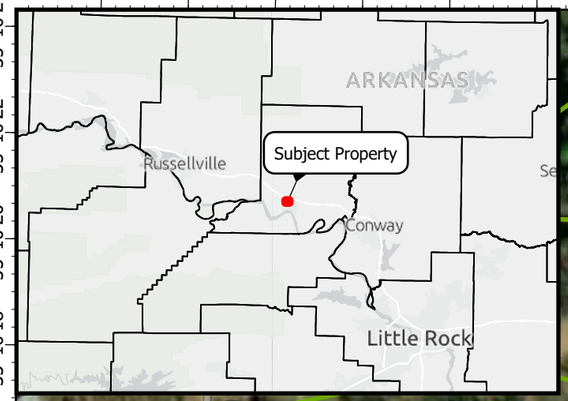
\\rogfile\jobfiles\25102600_MayHope\ENVIRONMENTAL\GIS - May Hope Moose Ph1 ESA\GIS - May Hope Moose Ph1 ESA

Map Center Co-ordiantes: 92°45'21"W 35°10'12"N

USGS Topographic Quadrangle:

Date Exported - 3/27/2025 2:42 PM [sg5295]

Mapunit Symbol	Mapunit Name
12	Guthrie silt loam, 0 to 2 percent slopes, occasionally flooded
13	Leadvale silt loam, 1 to 3 percent slopes
16	Linker fine sandy loam, 3 to 8 percent slopes
16	Linker fine sandy loam, 3 to 8 percent slopes
22	Mountainburg gravelly fine sandy loam, 3 to 8 percent slopes
22	Mountainburg gravelly fine sandy loam, 3 to 8 percent slopes
24	Mountainburg stony fine sandy loam, 12 to 40 percent slopes, rocky
34	Taft silt loam, 0 to 2 percent slopes
38	Water



Spatial ReferenceName: NAD 1983 StatePlane Arkansas North FIPS 0301 Feet

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Figure 3

NRCS Soils

\\rogfile\jobfiles\25102600_MayHope\ENVIRONMENTAL\GIS - May Hope Moose Ph1 ESA\GIS - May Hope Moose Ph1 ESA

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USGS Topographic Quadrangle:

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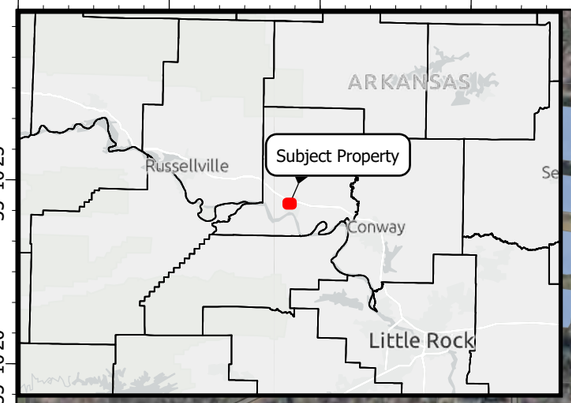

Arrow Dr
Arrow Dr
Talex Dr
95
95
Welter Dr
Welter Dr
Henry St
Smith St
Mallory St
N Cedar St
Winfrey St
Oddfellow Rd
S Broadway St
Meadow Lynn Rd
Harris Funeral Home

LEGEND

- Subject Property

National Wetlands Inventory
- Freshwater Pond
- Riverine

National Hydrography Dataset
- Ephemeral / Intermittent
- Canal / Drainageway
- LakePond
- Reservoir

Spatial ReferenceName: NAD 1983 StatePlane Arkansas North FIPS 0301 Feet

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HUC:
Lake Conway-Point Remove (11110203)
East Fork Point Remove Creek (1111020302)
Overcup Creek (111102030205)

Figure 4
NHD & NWI Mapped Features

N
Feet
0 200 500 700 1,000

\\rogfile\jobfiles\25102600_MayHope\ENVIRONMENTAL\GIS - May Hope Moose Ph1 ESA\GIS - May Hope Moose Ph1 ESA

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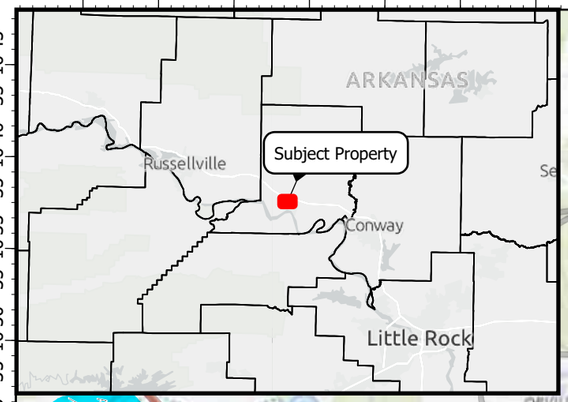

Spatial ReferenceName: NAD 1983 StatePlane Arkansas North FIPS 0301 Feet

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Figure 5

FEMA Flood Hazard Map

FIRM Panel(s): 05029C & 05115C-0250 & 0550 (Eff. 3/21/2019 & 3/21/2019)

N

Feet
0 500 900 1,000 2,000

\\rogfile\jobfiles\25102600_MayHope\ENVIRONMENTAL\GIS - May Hope Moose Ph1 ESA\GIS - May Hope Moose Ph1 ESA

Map Center Co-ordiantes: 92°45'21"W 35°10'12"N

USGS Topographic Quadrangle: MORRILTON EAST; MORRILTON WEST

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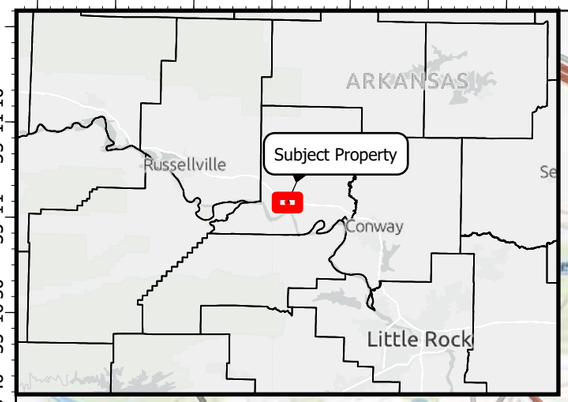

Spatial ReferenceName: NAD 1983 StatePlane Arkansas North FIPS 0301 Feet

ADEQ Permits with 0.5 Mile of Subject Property

PMTNBR	AFIN	FNAME	PMEDIADESC	PSTATUSDES
ARD093415578	1500020	ARROW AUTOMOTIVE INDUSTRIES	Haz Waste EPAID	Inactive
15001663	1500607	SHANNON PIPELINE, INC	RST	
15001673	1501558	WAYNE SMITH TRUCKING	RST	
ARR001692	1501558	WAYNE SMITH TRUCKING	Water-NPDES	Active

RCRA Permits with 0.5 Mile of Subject Property

FRS ID	Name	Interest Type	Status
110015679381	TELEX COMMUNICATIONS INC	UNSPECIFIED UNIVERSE	N

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CT Prj #: 25102600

Figure 6

Environmental Permits

LEGEND
- Subject Property
- 0.5 Mile Buffer
- 1 Mile Buffer
- Inspections
- Permitted Sites
- Meth Contaminated Property

ADEQ Permitted Sites

Permit Status
- Active
- Expired
- Inactive
- Voided

RCRA
- Yes
- No

Interest Type
- Other Hazardous Waste Activities
- Unspecified
- Very Small Quantity Generator

N

Feet: 0, 900, 2,000, 3,000, 4,000

\\rogfile\jobfiles\25102600_MayHope\ENVIRONMENTAL\GIS - May Hope Moose Ph1 ESA\GIS - May Hope Moose Ph1 ESA

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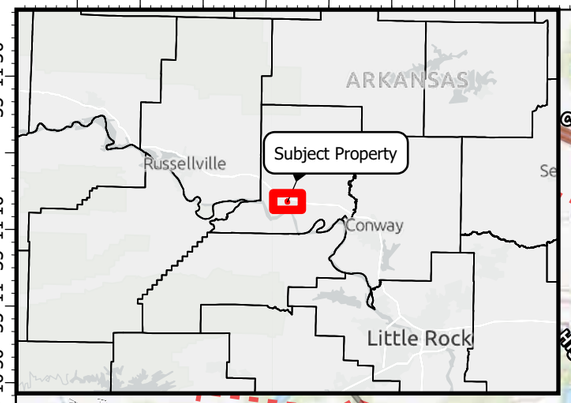

Spatial ReferenceName: NAD 1983 StatePlane Arkansas North FIPS 0301 Feet

Service Layer Credits Light Gray Reference Sources Esri TomTom Garmin FAO NOAA USGS © OpenStreetMap contributors and the GIS User Community USGSTopo USGS The National Map National Boundaries Dataset 3DEP Elevation Program Geographic Names Information System National Hydrography Dataset National Land Cover Database National Structures Dataset and National Transportation Dataset USGS Global Ecosystems U S Census Bureau TIGR Line data USFS Road data Natural Earth Data U S Department of State Humanitarian Data Exchange NOAA National Centers for Environmental Information Data refreshed February 2025 Light Gray Base Sources Esri TomTom Garmin FAO NOAA USGS © OpenStreetMap contributors and the GIS User Community World Hillshade Sources Esri TomTom Garmin FAO NOAA USGS © OpenStreetMap contributors and the GIS User Community World Hillshade Layer Sources Esri TomTom Garmin FAO NOAA USGS © OpenStreetMap contributors and the GIS User Community World Hillshade Esri USGS

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CT Prj #: 25102600

Figure 7

Wells & Utilities

\\rogfile\jobfiles\25102600_MayHope\ENVIRONMENTAL\GIS - May Hope Moose Ph1 ESA\GIS - May Hope Moose Ph1 ESA

Map Center Co-ordiantes: 92°45'21"W 35°10'12"N

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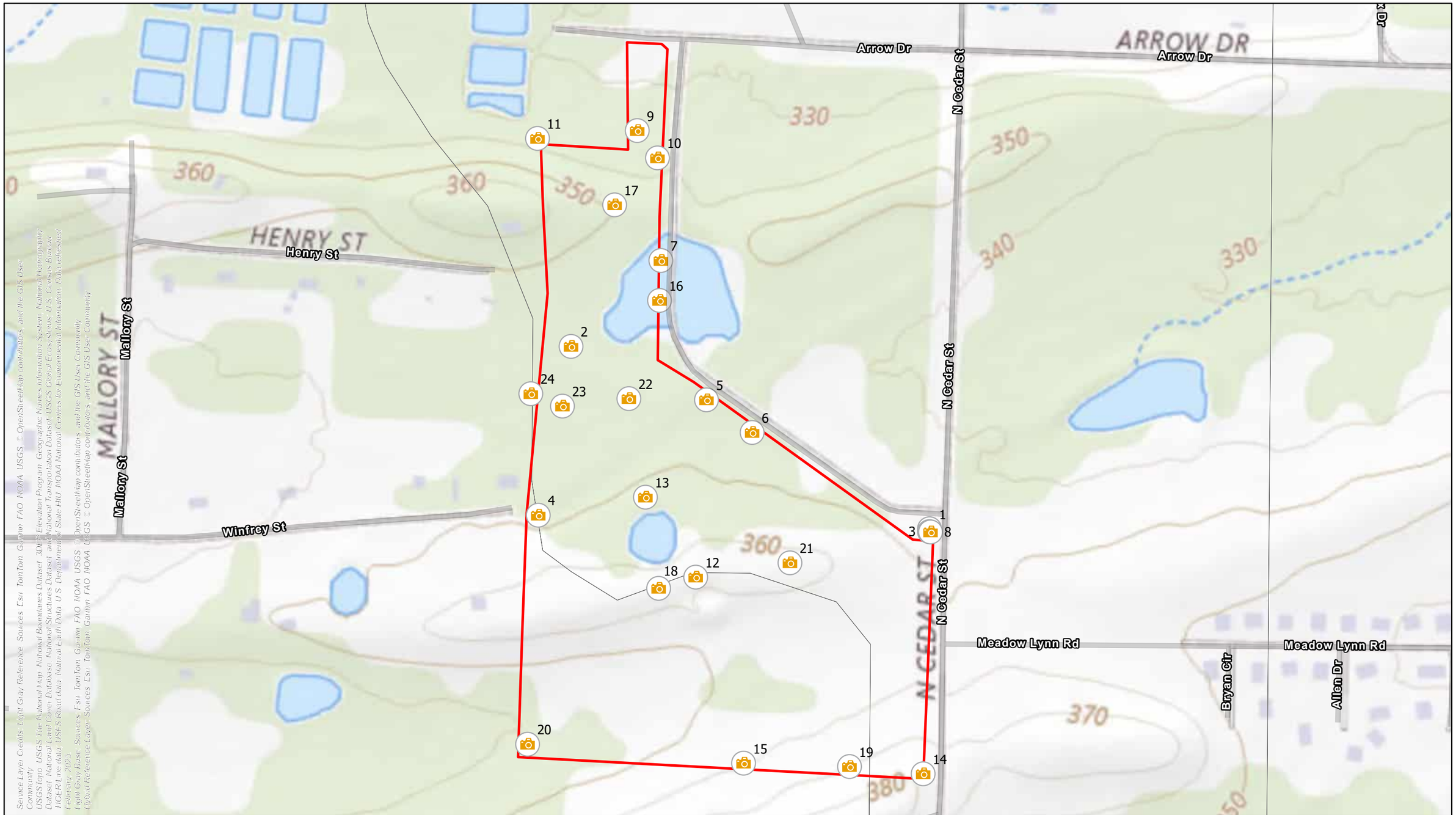
APPENDIX B

Site Photographs

Spatial ReferenceName: NAD 1983 StatePlane Arkansas North FIPS 0301 Feet



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CT Prj #: 25102600

Site Photos Map

N

LEGEND

Subject Property

Site Photos

\\rogfile\jobfiles\25102600_MayHope\ENVIRONMENTAL\GIS - May Hope Moose Ph1 ESA\GIS - May Hope Moose Ph1 ESA

USGS Topographic Quadrangle: MORRILTON EAST; MORRILTON WEST

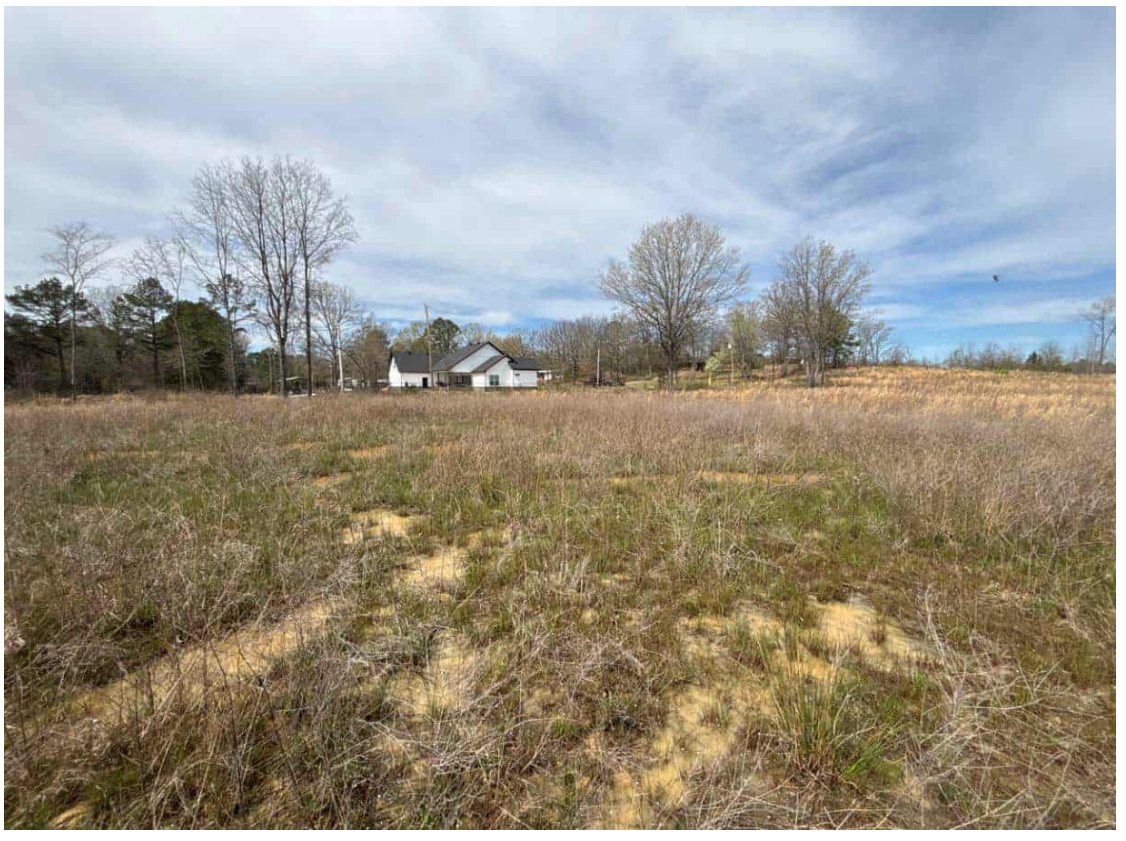
Date Exported - 4/8/2025 12:35 PM [sg5295]

Map Center Co-ordiantes: 92°W 6°48'46"S

Image #: 1

Adjoining property on the northeastern corner of subject property, facing northeast, located at 35.168922, -92.753603.

Image #: 2



Adjoining property on the south, facing north, located at 35.170483, -92.757414.

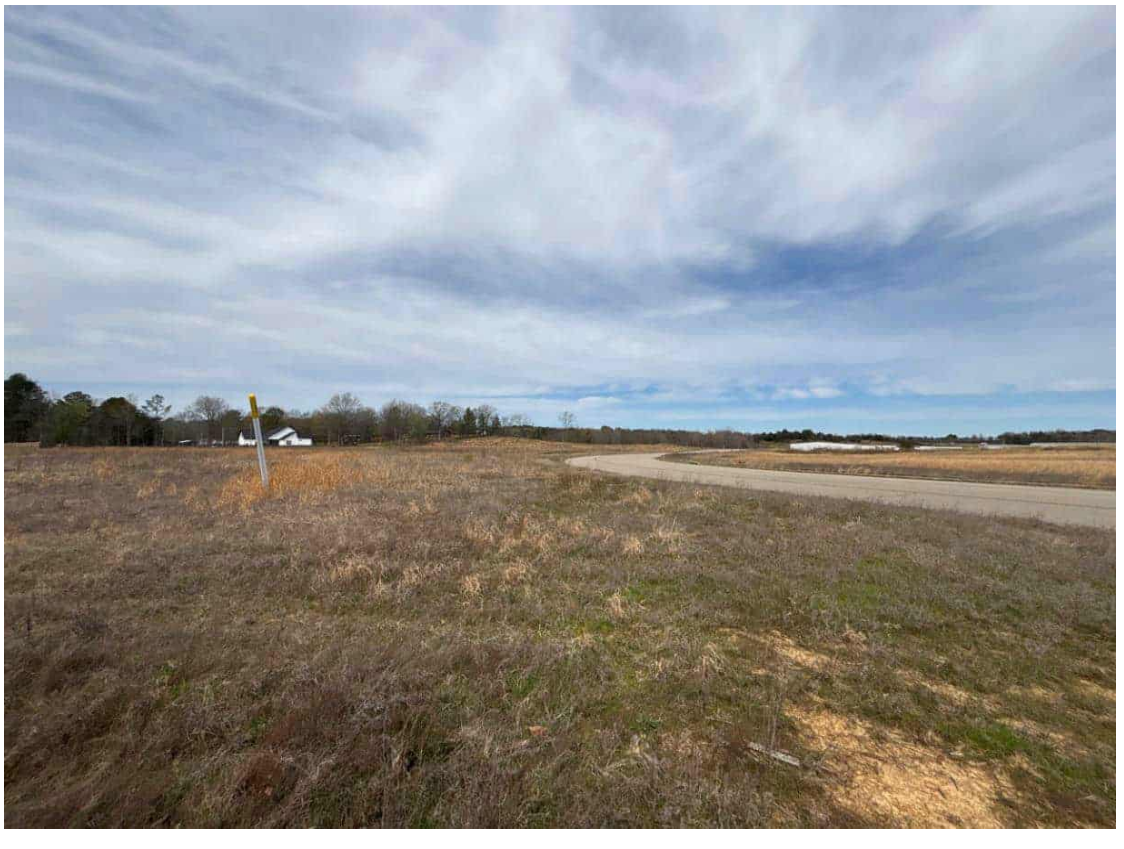
Image #: 3

Commuications line east of subject property, facing east, located at 35.168897, -92.753603.

Image #: 4

Drainage leaving the western boundary of subject property at Winfrey St., facing northwest, located at 35.169014, -92.757747.

Image #: 5

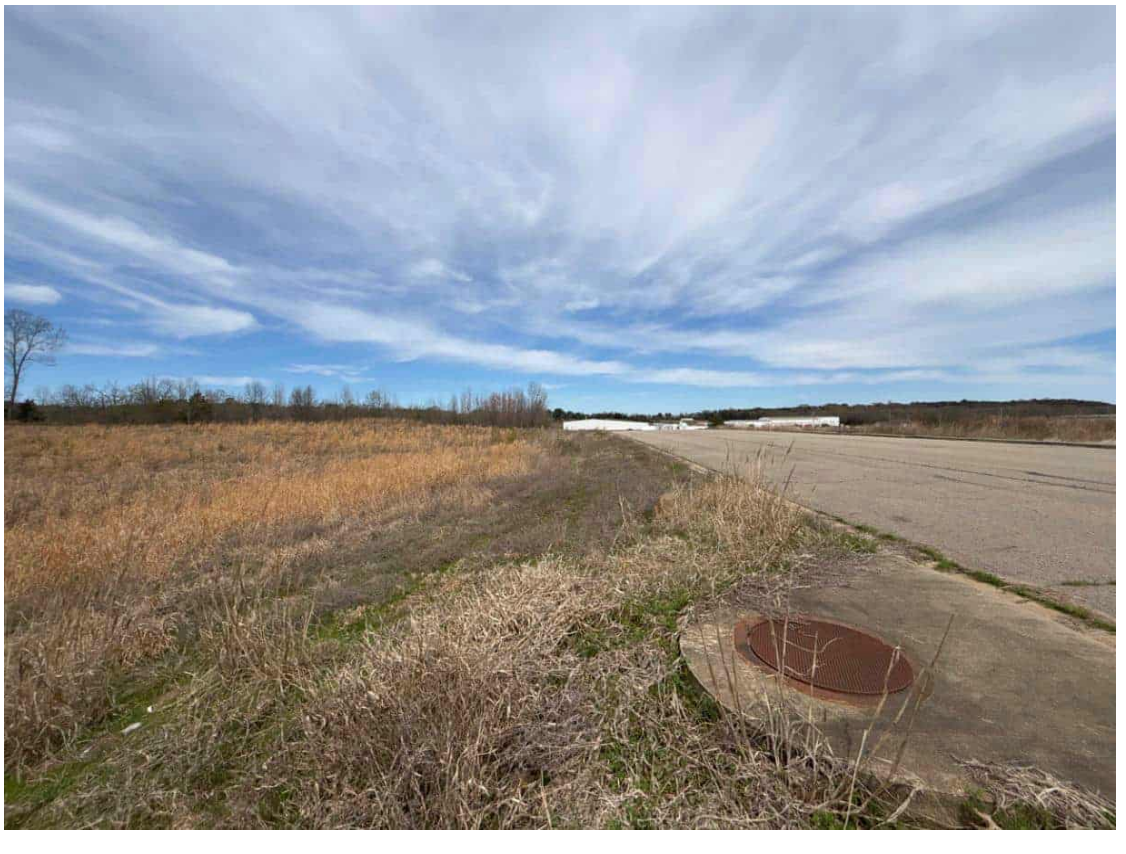


=+'1. ArcGIS Attributes'!D6, facing north, located at 35.170028, -92.755975.

Image #: 6

Eastern boundary of subject property, facing north, located at 35.169747, -92.755489.

Image #: 7



Manhole on the eastern boundary of the subject property, facing northwest, located at 35.171236, -92.756469.

Image #: 8

Natural gas pipeline on eastern portion of subject property, facing northwest, located at 35.168894, -92.753592.

Image #: 9

Northern Portion of the subject property, facing north, located at 35.172364, -92.756731.

Image #: 10

Northern Portion of the subject property, facing southwest, located at 35.172128, -92.756514.

Image #: 11

Northwestern corner of the subject property, facing northwest, located at 35.172289, -92.757786.

Image #: 12

Pond 1, facing southwest, located at 35.168486, -92.756075.

Image #: 13

Pond 2, facing east, located at 35.169178, -92.756614.

Image #: 14

Southeastern corner of subject property with utility ROW and fire hydrant, facing southwest, located at 35.166792, -92.75365.

Image #: 15

Southern boundary of subject property, facing southeast, located at 35.166872, -92.755553.

Image #: 16

Stormwater drain flowing from subject property under North Cedar St, facing east, located at 35.170889, -92.756481.

Image #: 17

Subject property, facing south, located at 35.171717, -92.756964.

Image #: 18

Subject property, facing southeast, located at 35.168386, -92.756467.

Image #: 19

Utility ROW on south side of subject property, facing southeast, located at 35.16685, -92.754431.

Image #: 20

Utility ROW on southern boundary of subject property, facing south, located at 35.167022, -92.757842.

Image #: 21

View accross site towards Wayne Smith Trucking & TXD Services LP, facing north, located at 35.168617, -92.755078.

Image #: 22

View of adjacent property, facing northwest, located at 35.170033, -92.756797.

Image #: 23

View of subject property, facing northeast, located at 35.169964, -92.7575.

Image #: 24

Western boundary of subject property, facing southeast, located at 35.170069, -92.757836.

APPENDIX C

Historical Research

MAY HOPE MOOSE NORTH INDUSTRIAL PARK
Arrow Drive and Cedar Street
Morrilton, AR 72110

Inquiry Number: 7933883.8
March 21, 2025

EDR Building Permit Report

Target Property and Adjoining Properties

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Building Permit Report: Search Documentation

3/21/25

Site Name:
MAY HOPE MOOSE
Arrow Drive and
Morrilton, AR 72110

EDR Inquiry # 7933883.8

Client Name:
Crafton Tull
901 N 47th Street, Suite 400
Rogers, AR 72756

Contact: Stuart Gower-Jackson

Search Documentation

DATA GAP

The complete collection of Building Permit data available to EDR has been searched, and as of 3/21/25, EDR does not have access to building permits in the city where your target property is located (Morrilton, AR).

EDR BUILDING PERMIT REPORT

About This Report

The EDR Building Permit Report provides a practical and efficient method to search building department records for indications of environmental conditions. Generated via a search of municipal building permit records gathered from more than 1,600 cities nationwide, this report will assist you in meeting the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527 - 21), or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

Building permit data can be used to identify current and/or former operations and structures/features of environmental concern. The data can provide information on a target property and adjoining properties such as the presence of underground storage tanks, pump islands, sumps, drywells, etc., as well as information regarding water, sewer, natural gas, electrical connection dates, and current/former septic tanks.

Methodology

EDR has developed the EDR Building Permit Report through our partnership with BuildFax, the nation's largest repository of building department records. BuildFax collects, updates, and manages building department records from local municipal governments. The database now includes 30 million permits, on more than 10 million properties across 1,600 cities in the United States.

The EDR Building Permit Report comprises local municipal building permit records, gathered directly from local jurisdictions, including both target property and adjoining properties. Years of coverage vary by municipality. Data reported includes (where available): date of permit, permit type, permit number, status, valuation, contractor company, contractor name, and description.

Incoming permit data is checked at seven stages in a regimented quality control process, from initial data source interview, to data preparation, through final auditing. To ensure the building department is accurate, each of the seven quality control stages contains, on average, 15 additional quality checks, resulting in a process of approximately 105 quality control "touch points."

For more information about the EDR Building Permit Report, please contact your EDR Account Executive at (800) 352-0050.

EDR® Environmental Data Resources Inc

BUILD FAX PROPERTY HISTORY

MAY HOPE MOOSE NORTH INDUSTRIAL PARK
Arrow Drive and Cedar Street
Morrilton, AR 72110

Inquiry Number: 7933883.6
March 21, 2025

The EDR Property Tax Map Report

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Property Tax Map Report

Environmental Data Resources, Inc.'s EDR Property Tax Map Report is designed to assist environmental professionals in evaluating potential environmental conditions on a target property by understanding property boundaries and other characteristics. The report includes a search of available property tax maps, which include information on boundaries for the target property and neighboring properties, addresses, parcel identification numbers, as well as other data typically used in property location and identification.

NO COVERAGE

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

MAY HOPE MOOSE NORTH INDUSTRIAL PARK

Arrow Drive and Cedar Street

Morrilton, AR 72110

Inquiry Number: 7933883.3

March 21, 2025

Certified Sanborn® Map Report

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

Certified Sanborn® Map Report

03/21/25

Site Name:

MAY HOPE MOOSE NORTH I
Arrow Drive and Cedar Street
Morrilton, AR 72110
EDR Inquiry # 7933883.3

Client Name:

Crafton Tull
901 N 47th Street, Suite 400
Rogers, AR 72756
Contact: Stuart Gower-Jackson

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by Crafton Tull 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 # 93BF-4E91-91CD

PO # RENV

Project 25102600

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 #: 93BF-4E91-91CD

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™

Limited Permission To Make Copies

Crafton Tull (the client) is permitted to make up to FIVE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

MAY HOPE MOOSE NORTH INDUSTRIAL PARK

Arrow Drive and Cedar Street

Morrilton, AR 72110

Inquiry Number: 7933883.4

March 21, 2025

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

03/21/25

Site Name:	Client Name:
MAY HOPE MOOSE NORTH I	Crafton Tull
Arrow Drive and Cedar Street	901 N 47th Street, Suite 400
Morrilton, AR 72110	Rogers, AR 72756
EDR Inquiry # 7933883.4	Contact: Stuart Gower-Jackson

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

Search Results:		*Coordinates:*	
P.O.#	RENV	**Latitude:**	35.172168 35° 10' 20" North
Project:	25102600	**Longitude:**	-92.7569 -92° 45' 25" West
		UTM Zone:	Zone 15 North
		UTM X Meters:	522136.73
		UTM Y Meters:	3892163.16
		Elevation:	338.93' above sea level

Maps Provided:

2020	1889
2017	
2014	
1990, 1995	
1979, 1981	
1961	
1894	
1892	

Topo Sheet Key

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

2020 Source Sheets

Morrilton West
2020
7.5-minute, 24000

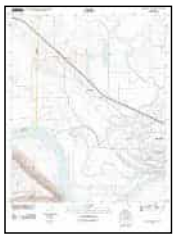
Morrilton East
2020
7.5-minute, 24000

2017 Source Sheets

Morrilton West
2017
7.5-minute, 24000

Morrilton East
2017
7.5-minute, 24000

2014 Source Sheets

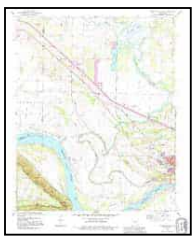


Morrilton West
2014
7.5-minute, 24000

Morrilton East
2014
7.5-minute, 24000

1990, 1995 Source Sheets

Morrilton East
1990
7.5-minute, 24000
Aerial Photo Revised 1958



Morrilton West
1995
7.5-minute, 24000
Aerial Photo Revised 1991

Topo Sheet Key

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

1979, 1981 Source Sheets

Morrilton West
1979
7.5-minute, 24000
Aerial Photo Revised 1977

Morrilton East
1981
7.5-minute, 24000
Aerial Photo Revised 1980

1961 Source Sheets

Morrilton West
1961
7.5-minute, 24000
Aerial Photo Revised 1958

Morrilton East
1961
7.5-minute, 24000
Aerial Photo Revised 1958

1894 Source Sheets

Morrilton
1894
30-minute, 125000

Morrillton
1894
30-minute, 125000

1892 Source Sheets

Morrillton
1892
30-minute, 125000

Topo Sheet Key

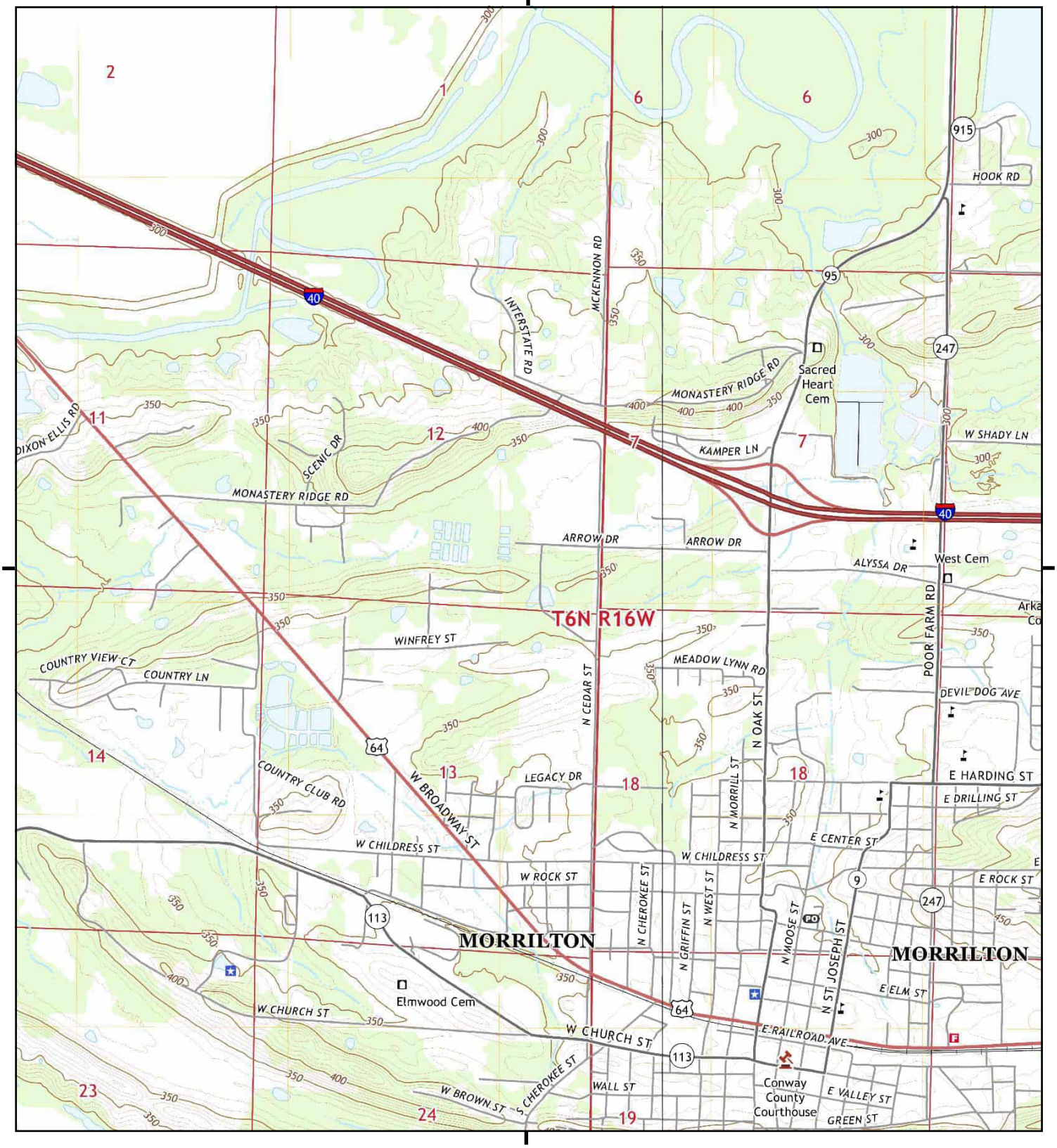
This EDR Topo Map Report is based upon the following USGS topographic map sheets.

1889 Source Sheets

Morrilton No. 3
1889
15-minute, 62500

Historical Topo Map

2020



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

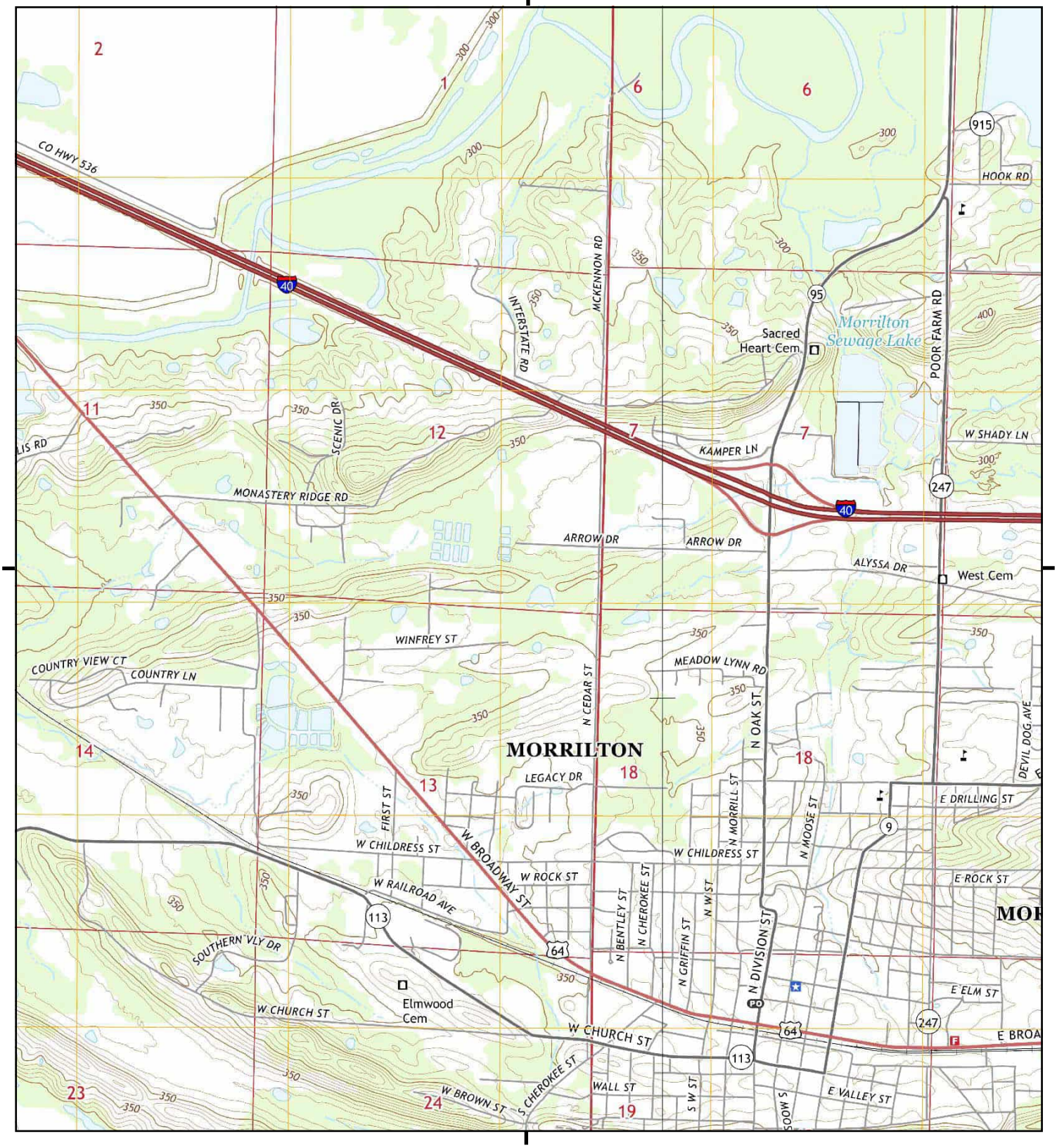
TP, Morrilton West, 2020, 7.5-minute
E, Morrilton East, 2020, 7.5-minute

SITE NAME: MAY HOPE MOOSE NORTH INDUSTRI
ADDRESS: Arrow Drive and Cedar Street
Morrilton, AR 72110
CLIENT: Crafton Tull

N

Historical Topo Map

2017



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

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

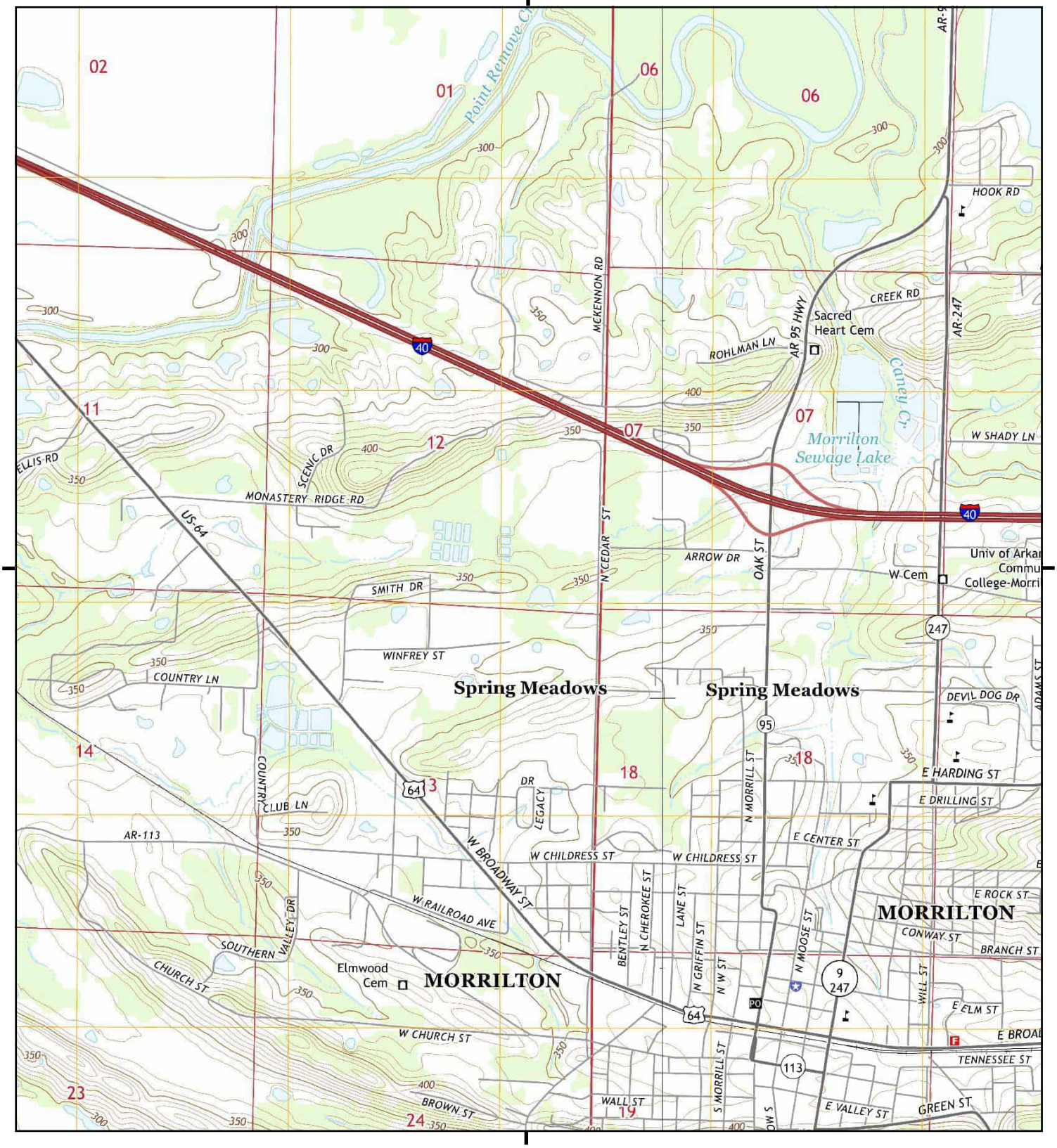
TP, Morrilton West, 2017, 7.5-minute
E, Morrilton East, 2017, 7.5-minute

SITE NAME: MAY HOPE MOOSE NORTH INDUSTRI
ADDRESS: Arrow Drive and Cedar Street
Morrilton, AR 72110
CLIENT: Crafton Tull

N

Historical Topo Map

2014



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

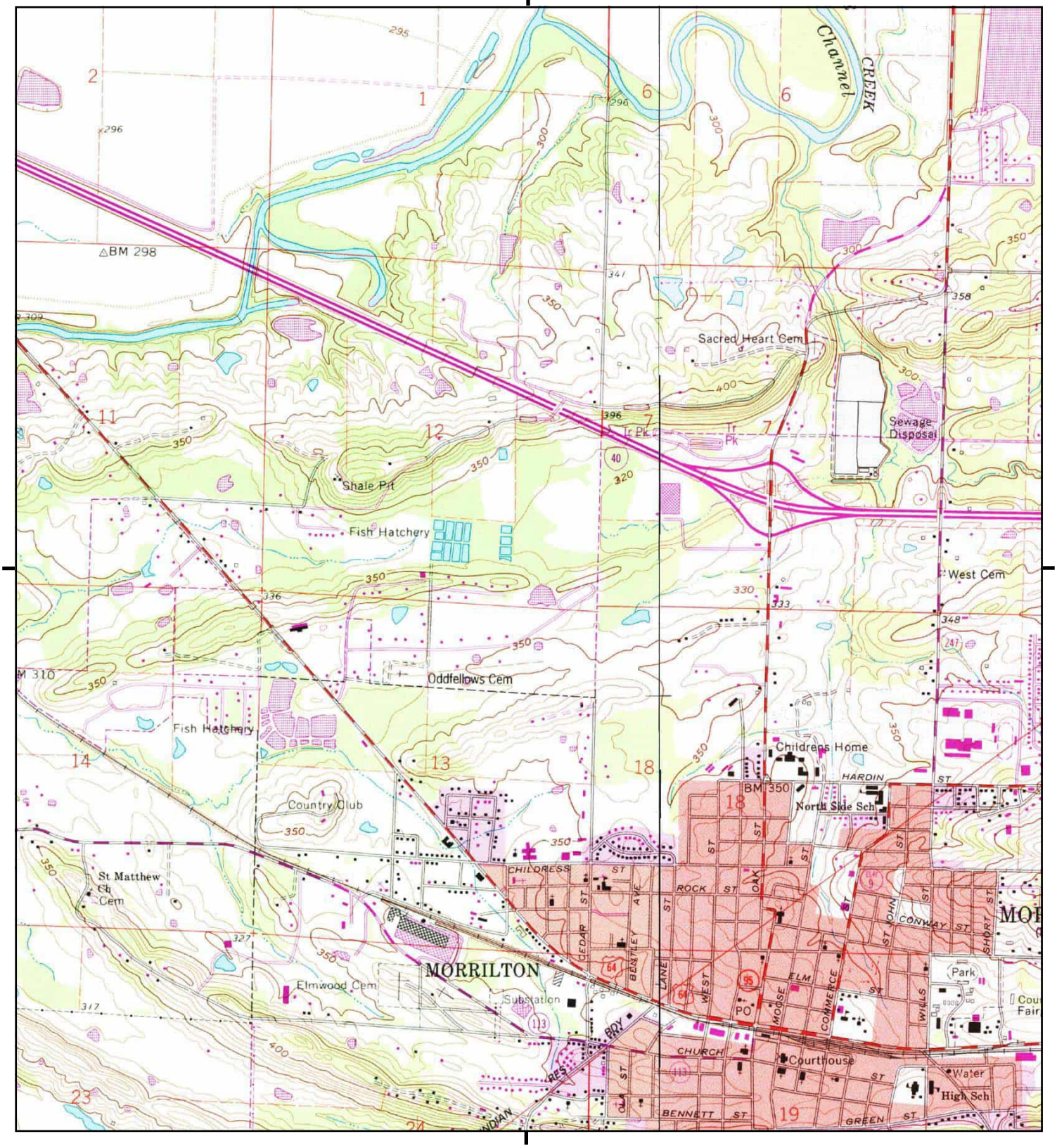
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Morrilton West, 2014, 7.5-minute
E, Morrilton East, 2014, 7.5-minute

SITE NAME: MAY HOPE MOOSE NORTH INDUSTRI
ADDRESS: Arrow Drive and Cedar Street
Morrilton, AR 72110
CLIENT: Crafton Tull

N



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

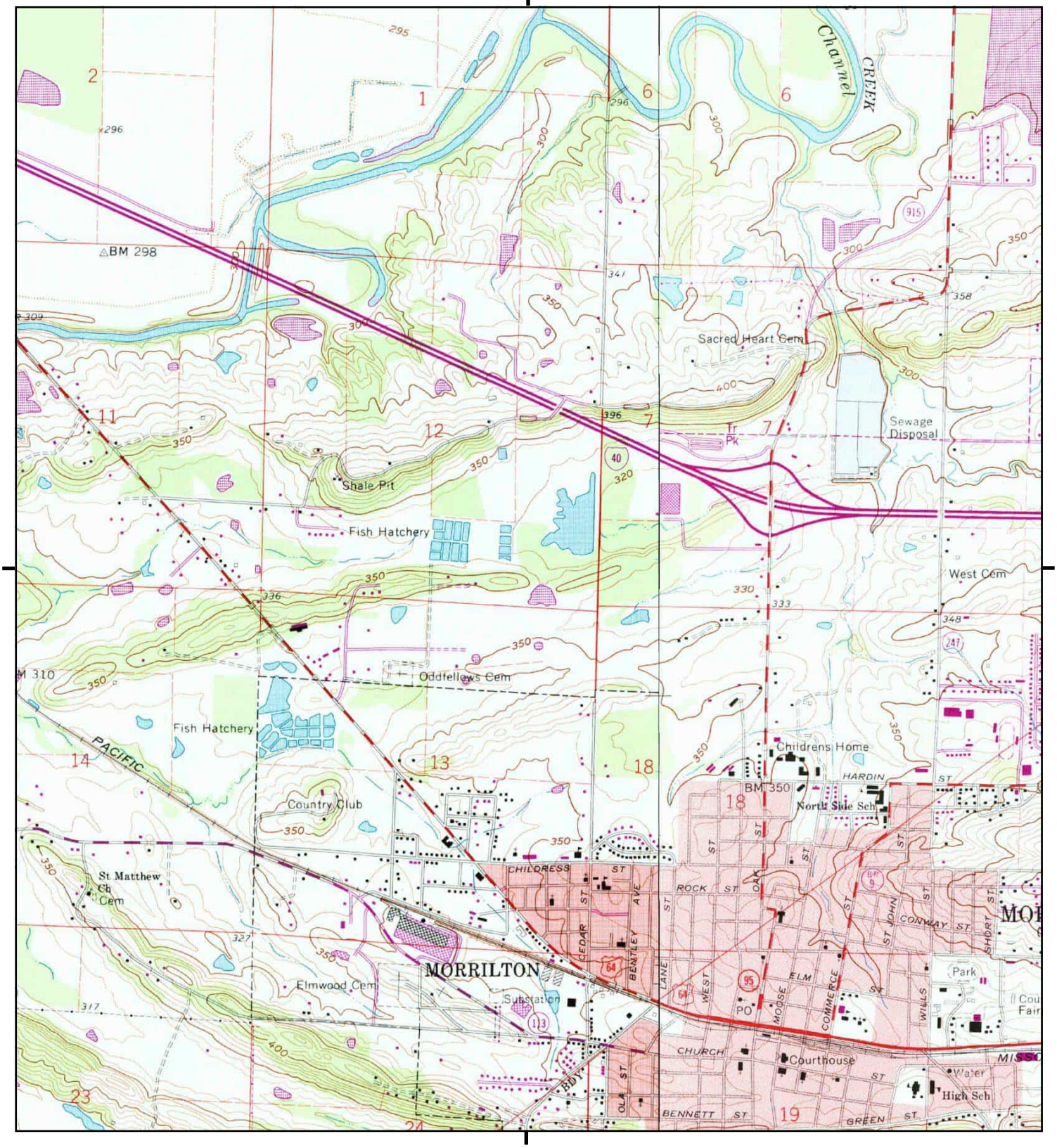
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Morrilton West, 1995, 7.5-minute
E, Morrilton East, 1990, 7.5-minute

SITE NAME: MAY HOPE MOOSE NORTH INDUSTRI
ADDRESS: Arrow Drive and Cedar Street
Morrilton, AR 72110
CLIENT: Crafton Tull

N



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

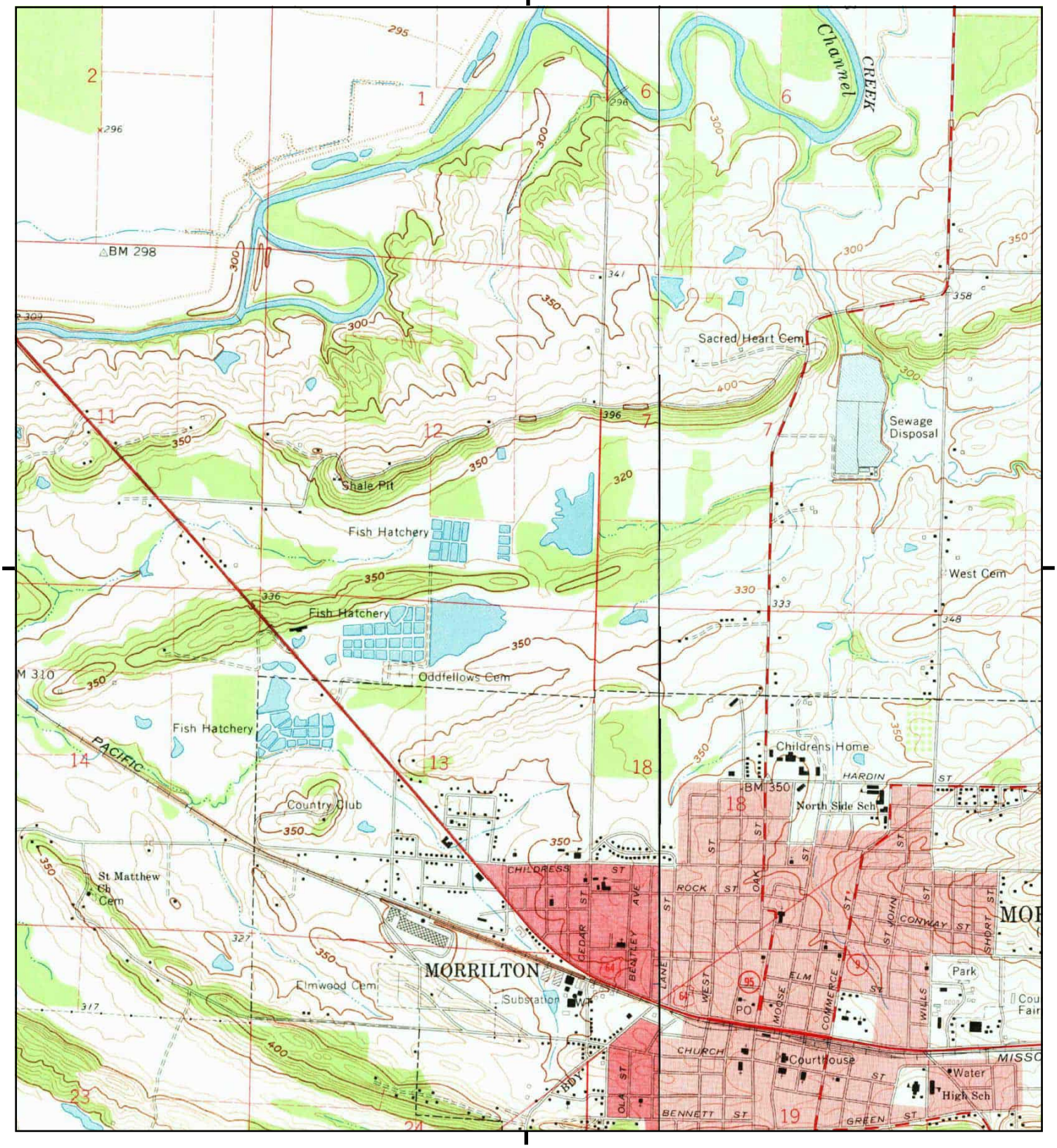
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Morrilton West, 1979, 7.5-minute
E, Morrilton East, 1981, 7.5-minute

SITE NAME: MAY HOPE MOOSE NORTH INDUSTRI
ADDRESS: Arrow Drive and Cedar Street
Morrilton, AR 72110
CLIENT: Crafton Tull

N



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

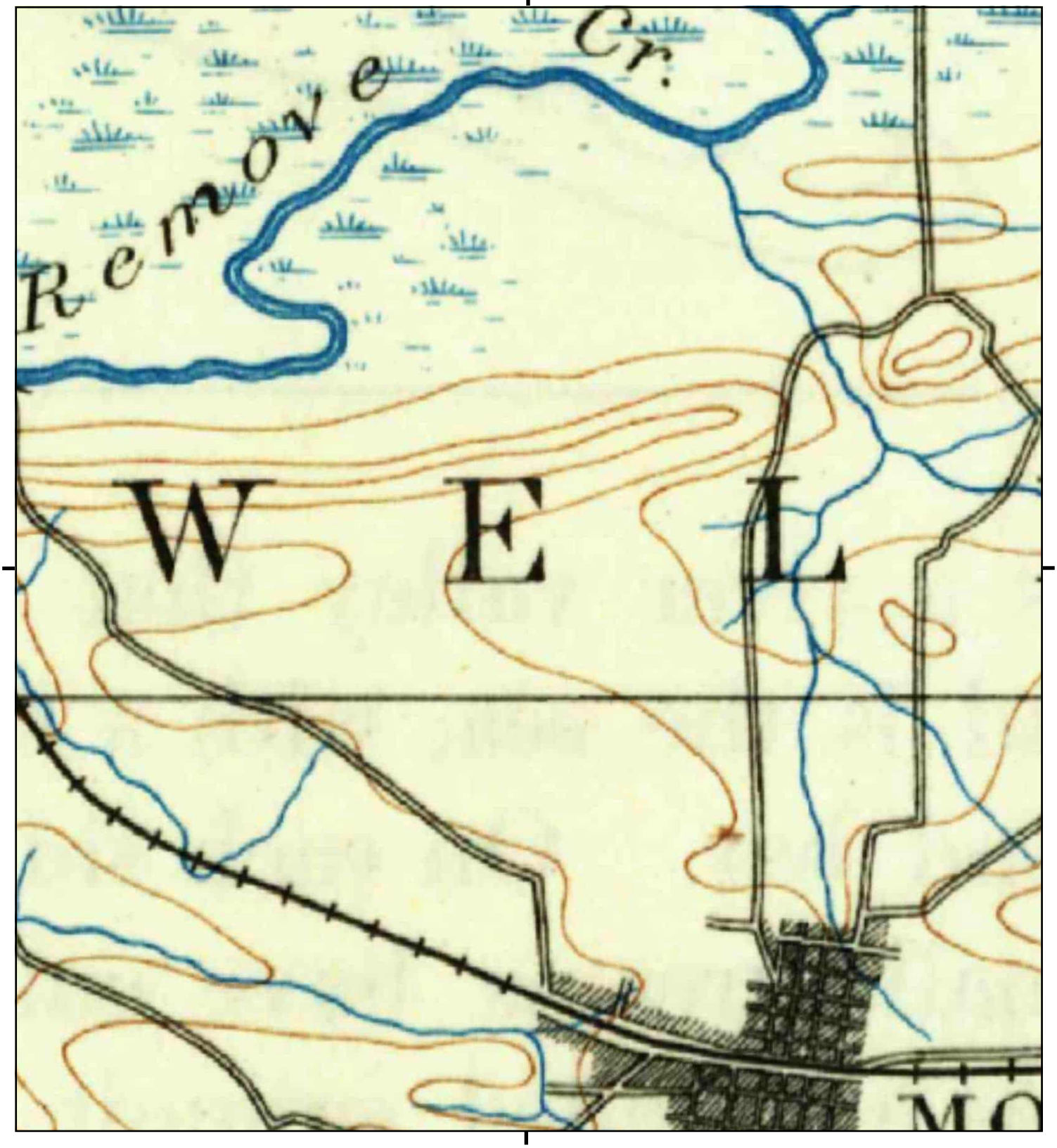
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Morrilton West, 1961, 7.5-minute
E, Morrilton East, 1961, 7.5-minute

SITE NAME: MAY HOPE MOOSE NORTH INDUSTRI
ADDRESS: Arrow Drive and Cedar Street
Morrilton, AR 72110
CLIENT: Crafton Tull

N



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

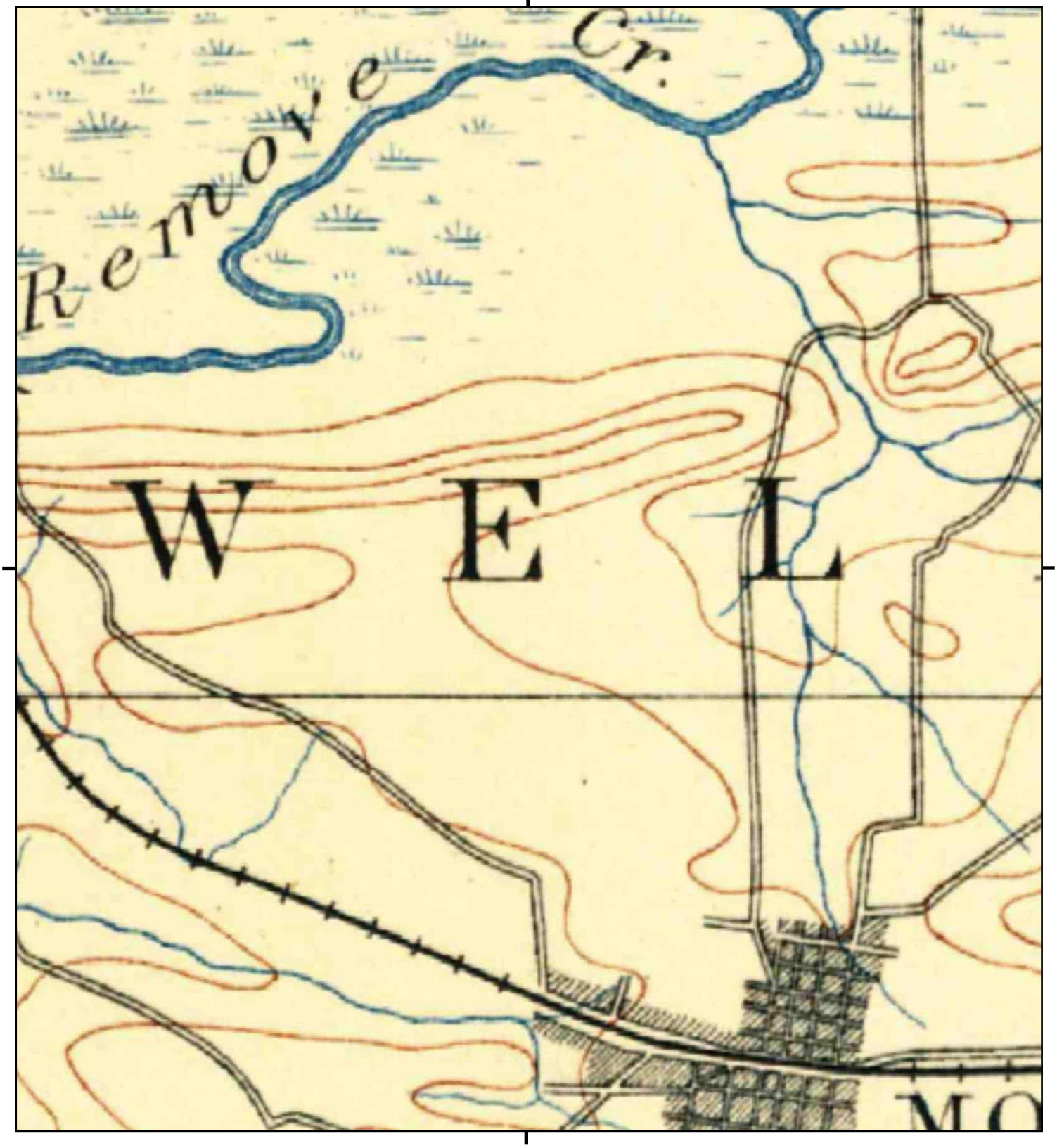
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Morrilton, 1894, 30-minute
TP, Morrillton, 1894, 30-minute

SITE NAME: MAY HOPE MOOSE NORTH INDUSTRI
ADDRESS: Arrow Drive and Cedar Street
Morrilton, AR 72110
CLIENT: Crafton Tull

N



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

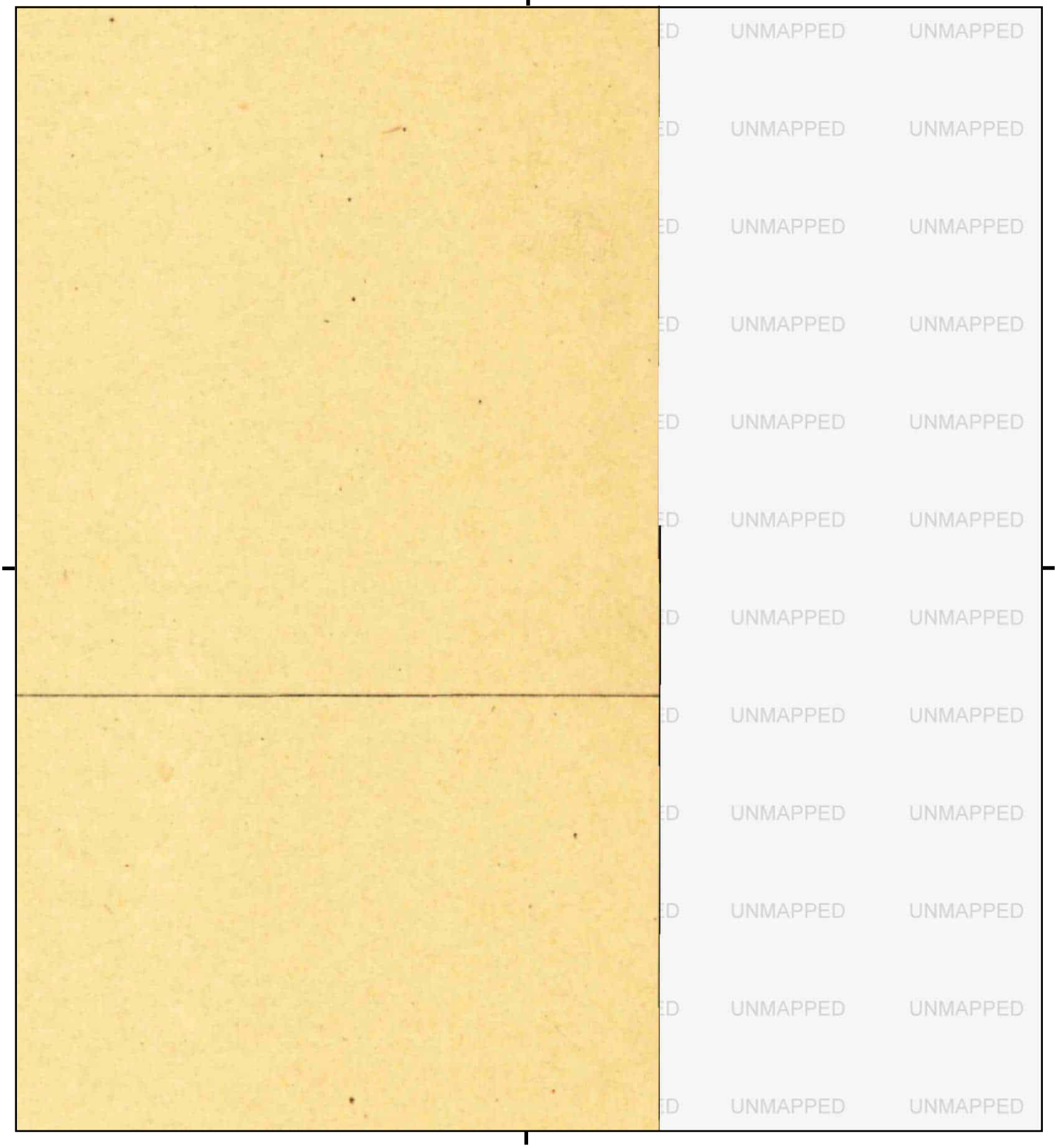
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Morrillton, 1892, 30-minute

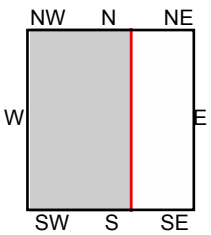
SITE NAME: MAY HOPE MOOSE NORTH INDUSTRI/
ADDRESS: Arrow Drive and Cedar Street
Morrilton, AR 72110
CLIENT: Crafton Tull

N



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

0 Miles 0.25 0.5 1 1.5



TP, Morrilton No. 3, 1889, 15-minute

SITE NAME: MAY HOPE MOOSE NORTH INDUSTRI/
ADDRESS: Arrow Drive and Cedar Street
Morrilton, AR 72110
CLIENT: Crafton Tull

N

MAY HOPE MOOSE NORTH INDUSTRIAL PARK

Arrow Drive and Cedar Street

Morrilton, AR 72110

Inquiry Number: 7933883.11

March 21, 2025

The EDR Aerial Photo Decade Package

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

EDR Aerial Photo Decade Package

03/21/25

Site Name:

MAY HOPE MOOSE NORTH I
Arrow Drive and Cedar Street
Morrilton, AR 72110
EDR Inquiry # 7933883.11

Client Name:

Crafton Tull
901 N 47th Street, Suite 400
Rogers, AR 72756
Contact: Stuart Gower-Jackson

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

Search Results:

Year	*Scale*	*Details*	*Source*
2019	1"=500'	Flight Year: 2019	USDA/NAIP
2015	1"=500'	Flight Year: 2015	USDA/NAIP
2010	1"=500'	Flight Year: 2010	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2001	1"=500'	Acquisition Date: January 01, 2001	USGS/DOQQ
1994	1"=500'	Acquisition Date: January 01, 1994	USGS/DOQQ
1983	1"=500'	Flight Date: February 25, 1983	USDA
1978	1"=500'	Flight Date: March 18, 1978	USGS

When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.


INQUIRY #: 7933883.11
YEAR: 2019
= 500'
N
EDR


INQUIRY #: 7933883.11
YEAR: 2015
= 500'
N
EDR


INQUIRY #: 7933883.11
YEAR: 2010
= 500'
N
EDR


INQUIRY #: 7933883.11
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 7933883.11
YEAR: 2001
= 500'
N
EDR


INQUIRY #: 7933883.11
YEAR: 1994
= 500'
N
EDR


INQUIRY #: 7933883.11
YEAR: 1983
= 500'
N
EDR


INQUIRY #: 7933883.11
YEAR: 1978
= 500'
N
EDR
Subject boundary not shown because it e

MAY HOPE MOOSE NORTH INDUSTRIAL PARK
Arrow Drive and Cedar Street
Morrilton, AR 72110

Inquiry Number: 7933883.7
March 24, 2025

EDR Environmental Lien and AUL Search

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations (AULs), such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel number and/or legal description
- search for ownership information
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.
- search for publicly available environmental encumbering instrument(s) filed on or after the recording of the current deed; between the recording of the current deed and the most current publicly available date
- provide a copy of any environmental encumbrance(s)
- provide a copy of the current deed when available

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

EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

Arrow Drive and Cedar Street
MAY HOPE MOOSE NORTH INDUSTRIAL PARK
Morrilton, AR 72110

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found ☐ Not Found ☒

RESEARCH SOURCE

Source 1:

Conway County
Conway, AR

PROPERTY INFORMATION

Deed 1:

Type of Deed:	Deed
Title is vested in:	Conway Economic Dev't Corp
Title received from:	First Baptist Church of Morrilton AR
Deed Dated	11/19/2011
Deed Recorded:	11/29/2011
Book:	262
Page:	00208
Volume:	NA
Instrument:	NA
Docket:	NA
Land Record Comments:	See Exhibit
Miscellaneous Comments:	NA
Legal Description:	See Exhibit
Legal Current Owner:	Conway Economic Dev't Corp
Parcel # / Property Identifier:	029-001-0772 001
Comments:	See Exhibit

Deed 2:

Type of Deed:	Deed
Title is vested in:	Conway County Industrial Dev't Corp
Title received from:	Lester Floyd Cupp
Deed Dated	12/22/1998
Deed Recorded:	12/28/1998
Book:	198
Page:	306
Volume:	NA
Instrument:	NA
Docket:	NA
Land Record Comments:	See Exhibit
Miscellaneous Comments:	NA
Legal Description:	See Exhibit
Legal Current Owner:	Conway County Industrial Dev't Corp
Parcel # / Property Identifier:	029-0020 01341, 01347,01346,01348,01338
Comments:	See Exhibit

Deed Exhibit 1

Rec'd 11-509

Prepared by:
Benchmark Title Co., Inc.
212 E. Railroad Avenue
Morrilton, AR 72110
11C-506

CERTIFICATE OF RECORD
Book 262-00208
Deeds
Filed: 11/29/2011 11:17 am
Conway County, Arkansas
Darlene Massingill
Circuit Clerk
By: Sara Jo Miller
Deputy Clerk
3 Pages

WARRANTY DEED

KNOW ALL MEN BY THESE PRESENTS:

That **First Baptist Church of Morrilton, Arkansas, by and through its duly authorized Trustees, Frank Eichenberger, Michael Crow, Curtis Krutsinger, Kevin Morrow, and Jason Goodwin,** GRANTOR, for and in consideration of the sum of TEN AND NO/100 DOLLARS ($10.00), and other good and valuable consideration, in hand paid by **Conway County Economic Development Corporation,** GRANTEE, the receipt of which is hereby acknowledged, do hereby grant, bargain, sell and convey unto the said GRANTEE and unto its heirs, successors and assigns forever, the following lands located in Conway County, Arkansas, to-wit:

SURFACE ONLY
Part of the Northeast Quarter of the Northeast Quarter (NE 1/4 NE 1/4) of Section Thirteen, (13) Township Six (6) North, Range Seventeen (17) West, Conway County, Arkansas being more particularly described as follows: Beginning at the Southeast Corner of the Northeast Quarter Northeast Quarter (NE 1/4 NE 1/4) of said Section Thirteen (13) and run thence North 01 degrees 07' 06" East along the East line of said Northeast Quarter Northeast Quarter (NE 1/4 NE 1/4) for 820.97 feet to a point; thence run North 86 degrees 53' 49" West for 1325.14 feet to a point; thence run South 01 degrees 31' 08" West for 416.10 feet to a Iron pin found; thence run South 01 degrees 07'52" West for 404.69 feet to the Southwest Corner of said Northeast Quarter Northeast Quarter (NE 1/4 NE 1/4); thence run South 86 degrees 53' 35" East along the South line of said Northeast Quarter Northeast Quarter (NE 1/4 NE 1/4) for 1328.14' to the point of beginning containing 25.00 acres and is subject to an apparent 40' wide right of way along the entire East line thereof for the extension of Cedar Street and to all other easement, Public or Private which may exist thereon.
LESS & EXCEPT:
A strip of land described as being 40 feet in width as measured from the center point of Cedar Street and running along the entire eastern boundary line of the following described property: Part of the Northeast Quarter of the Northeast Quarter (NE1/4 NE1/4) of Section 13, T-6-N, R-17-W, Conway County, Arkansas being more particularly described as follows: Beginning at the Southeast Corner (SE Cor.) of the NE1/4 NE1/4 of said Section 13 and run thence N 01°07'06" E along the East line of said NE1/4 NE1/4 for 820.97 feet to a point; Thence run N 86°53'49" W for 1325.14' feet to a point; Thence run S 01°31'08" W for 416.10' feet to a Iron Pin Found; Thence run S 01°07'52" W for 404.69 feet to the Southwest Corner (SW Cor.) of said NE1/4 NE1/4; Thence run S 86°53'35" E along the South line of said NE1/4 NE1/4 for 1328.14' feet to the Point of Beginning (P.O.B.), containing 25.00 acres and is

ARKANSAS DOCUMENTARY $165 24172
ARKANSAS DOCUMENTARY $220 54552
$27.50 018771

218

subject to an apparent 40' wide Right of Way along the entire East line thereof for the extension of Cedar Street and to all other easements, Public and Private which may exist thereon.

Subject to any and all easements, rights-of-way, mineral reservations and/or mineral conveyances of record.

**Grantor hereby retains and reserves any and all oil, gas and/or other mineral rights in, on or under the above described real property.*

To have and to hold the same unto the said GRANTEE and unto its heirs, successors and assigns forever, with all appurtenances thereunto belonging.

And the GRANTOR hereby covenants with said GRANTEE that it will forever warrant and defend the title to said lands against all claims whatsoever.

WITNESS our hands and seals on this 19th day of Nov, 2011.

First Baptist Church of Morrilton, Arkansas

Frank Eichenberger, Trustee

Michael Crow, Trustee

Curtis Krutsinger, Trustee

Kevin Morrow, Trustee

Jason Goodwin, Trustee

ACKNOWLEDGMENT

STATE OF ARKANSAS)
COUNTY OF CONWAY)

BE IT REMEMBERED that on this day came before me, the undersigned, a Notary Public within and for the county and state aforesaid, duly commissioned and acting, **First Baptist Church of Morrilton, Arkansas, by and through its duly authorized Trustees, Frank Elchenberger, Michael Crow, Curtis Krutsinger, Kevin Morrow, and Jason Goodwin,** to me well known as the grantors in the foregoing Warranty Deed and stated that they had executed the same for the consideration and purposes therein mentioned and set forth.

WITNESS my hand and official seal this 19th day of Nov, 2011.

My Commission Expires:
8-1-21
(seal)

Notary Public

DEBRA V. HALBROOK
MY COMMISSION # 12383075
EXPIRES: August 1, 2021
Conway County

I CERTIFY UNDER PENALTY OF FALSE SWEARING THAT AT LEAST THE LEGALLY CORRECT AMOUNT OF DOCUMENTARY STAMPS HAVE BEEN PLACED ON THIS INSTRUMENT. EXEMPT OR NO CONSIDERATION PAID IF NONE SHOWN.

Fred Brigsley
120 NORTH DIVISION ST
MORRILTON, AR 72110

Deed Exhibit 2

4/40
8.00
4C

WARRANTY DEED

MARRIED PERSONS

Know All Men by These Presents:

THAT WE, Lester Floyd Cupp and Pauline Cupp, husband and wife, GRANTORS, for and in consideration of the sum of Ten Dollars and OVC DOLLARS ($10.00 & OVC), in hand paid by CONWAY COUNTY INDUSTRIAL DEVELOPMENT CORPORATION, GRANTEE, the receipt of which is hereby acknowledged, hereby grant, bargain, sell and convey unto the said GRANTEE, and unto its heirs and assigns forever, the following lands lying in Conway County, Arkansas:

A tract of land situated in the County of Conway, State of Arkansas, being part of the Southeast Quarter (SE1/4) of the Southeast Quarter (SE1/4) and the Northeast Quarter (NE1/4) of the Southeast Quarter (SE1/4) of Section Twelve (12), Township Six (6) North, Range Seventeen (17) West of 5th Principal Meridian and being more particularly described as follows:

Commencing at a 5/8" Rebar, the EAST QUARTER (1/4) CORNER of said Section 12, point of beginning, thence S 01 Degree 09' 53"W 1231.93 feet to a 1" Pipe, thence S 01 Degree 16' 59"W 747.80 feet, thence N 87 Degrees 53' 12" W 1062.48 feet to a 5/8" Rebar, thence N 01 Degree 19'57"W 330.00 feet to a 5/8" Rebar, thence N 87 degrees 53'12"W 264.00 feet to a 5/8" Rebar, thence N 01 Degree 19'57"W 1666.83 feet to a 1/2" Rebar, thence S 87 Degrees 08'35"E 1322.57 feet to the point of beginning, CONTAINING 58.47 ACRES.

To have and to hold the same unto the said GRANTEE, and unto its heirs and assigns forever, with all appurtenances thereunto belonging.

And we hereby covenant with said GRANTEE that we will forever warrant and defend the title to the said lands against all claims whatever.

And we, the GRANTORS, Lester Floyd Cupp and Pauline Cupp, husband and wife for and in consideration of the said sum of money, do hereby release and relinquish unto the said GRANTEE all our rights of dower, curtesy and homestead in and to the said lands.

WITNESS our hands and seals on this 22nd day of December, 1998.

Lester Floyd Cupp

Lester Floyd Cupp

Pauline Cupp

Pauline Cupp

ACKNOWLEDGMENT

STATE OF ARKANSAS,
County of Conway } ss.

On this day, personally appeared before me Lester Floyd Cupp

and Pauline Cupp known to me to be the persons whose names are subscribed to the within instrument and acknowledged that they executed the same for the purposes therein contained.

WITNESS my hand and official seal this 22nd day of December, 19 98.

My commission expires:

Josephine E Dunlap
Notary Public.

(SEAL)

OFFICIAL SEAL
Josephine E. Dunlap
NOTARY PUBLIC
Conway Co., AR
Exp. 1-12-2004

CERTIFICATE OF RECORD

STATE OF ARKANSAS,
County of Conway } ss.

I, Carolyn Hadberry, Circuit Clerk and Ex-Officio Recorder for the County aforesaid, do hereby certify that the annexed and foregoing instrument of writing was filed for record in my office on the 28 day of Dec A. D. 19 98, at 12:20 o'clock P M., and the same is now duly recorded, with the acknowledgments and certificates thereon, in "Record Book 198," page 306.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Court, this 28 day of Dec, 19 98.

Carolyn Hadberry
Circuit Clerk and Ex-Officio Recorder.

By Darlene M Passmore, D. C.

SEAL OF THE CIRCUIT COURT

Filed for record on this ____ day of ____, 19__, at ____ o'clock ____ M.

____, Clerk.

By ____, D. C.

NOTE: A wise man will have his deed recorded.

FORM No. 844½ REV. 3/81 CLASS 2

WARRANTY DEED

MARRIED PERSONS

MAY HOPE MOOSE NORTH INDUSTRIAL PARK
Arrow Drive and Cedar Street
Morrilton, AR 72110

Inquiry Number: 7933883.5
March 25, 2025

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

TABLE OF CONTENTS

SECTION

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

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 business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate 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.

Year	*Target Street*	*Cross Street*	*Source*
2020	☐	☑	EDR Digital Archive
2017	☐	☑	Cole Information
2014	☐	☑	Cole Information
2010	☐	☑	Cole Information
2005	☐	☑	Cole Information
2000	☐	☑	Cole Information
1995	☐	☑	Cole Information
1992	☐	☑	Cole Information

FINDINGS

TARGET PROPERTY STREET

Arrow Drive and Cedar Street
Morrilton, AR 72110

No Addresses Found

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*	
ARROW DR			
2020	pg. A1	EDR Digital Archive	
2017	-	Cole Information	Target and Adjoining not listed in Source
2014	-	Cole Information	Target and Adjoining not listed in Source
2010	-	Cole Information	Target and Adjoining not listed in Source
2005	-	Cole Information	Target and Adjoining not listed in Source
2000	-	Cole Information	Target and Adjoining not listed in Source
1995	pg. A15	Cole Information	
1992	-	Cole Information	Target and Adjoining not listed in Source
N CEDAR ST			
2020	pg. A2	EDR Digital Archive	
2017	pg. A5	Cole Information	
2014	pg. A7	Cole Information	
2010	pg. A9	Cole Information	
2005	pg. A11	Cole Information	
2000	pg. A13	Cole Information	
1995	pg. A16	Cole Information	
1992	pg. A17	Cole Information	
WINFREY ST			
2020	pg. A4	EDR Digital Archive	
2017	pg. A6	Cole Information	
2014	pg. A8	Cole Information	
2010	pg. A10	Cole Information	
2005	pg. A12	Cole Information	
2000	pg. A14	Cole Information	
1995	-	Cole Information	Target and Adjoining not listed in Source
1992	-	Cole Information	Target and Adjoining not listed in Source

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

ARROW DR 2020

1	VINH LONG ARKANSAS LTD CO

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N CEDAR ST 2020

106	DIANA WILLIAMS
	RUTH BURGESS
202	JUANITA BURGUETE
	LAWRENCE REHM
	WINNIFRED MCDANIEL
203	GISELE SULLIVAN
	JAMES SULLIVAN
	MACIE SULLIVAN
	RICHARD SULLIVAN
	WILLIAM SULLIVAN
206	BETTY JONES
	JONES NICHOLS
301	DENNIS LANDRY
305	NATHANIEL SOMMERFIELD
307	JUSTIN NOLAND
403	ERIC CRISWELL
	KENNETH CRISWELL
	NATALIE CRISWELL
405	BOBBY JACKSON
	CAROLYN TONEY
	CYNTHIA JACKSON
	SHEENA HAMMONS
409	FRANK FORTUSA
	JANE FORTUSO
	TONY FREEMAN
411	ELAINE FAWBUSH
	ELI FAWBUSH
	WALLY DUEWALL
500	DALTON TYNER
509	PAMELA BANKS
600	BOBBY WOFFORD
	CLAYTON WOFFORD
	GLENNA WOFFORD
601	CORY LEMIEUX
	PAMELA LEMIEUX
602	ANNASTASIA STEINMETZ
	BOBBY CATES
	DESTINY ESTES
	SHANNON CATES
605	PHYLLIS EVERETTE
607	BRANDON MCQUAIN
	TYE DONALD
611	MORRILTON MINI STORAGE
701	BARBARA STRACNER
	LEWIS STRACNER
702	EVE TONEY
707	GERARDO DEPAZ
	MIAKKIA LYLES
	WAYNE VAUGHN
710	DEBBYE BECK

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

N CEDAR ST 2020 (Cont'd)

710	JACQUELYN SIMMS
712	FRANCES TOLLIVER
	STEVEN TOLLIVER
801	KAREN DIXON
	ZACHARY DIXON
805	CANDICE KINDRICK
	JANICE KINDRICK
	JANICE LANFORD
	WILLIAM KINDRICK
809	JAMES SCHULER
901	CHARLES BAKER
909	BARBARA EDDY
	TRENT SCOGGINS
911	WESLEY MAIN
915	DARRELL DUNN
	JENNIFER DUNN
	LEON DUNN

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

WINFREY ST 2020

8	CARL BERKEMEYER
	JOE BERKEMEYER
	VICKIE BERKEMEYER
19	LENA WYLLIA
26	ONITA BRADLEY
	PAUL BRADLEY
29	HERBERT JACKSON
35	BRIDGETT REAMS
	DALLAS REAMS
	JOHNNY REAMS
40	GEORGE KYZER
57	JEFFERY MCCOY
	PATRICIA MCCOY
62	GLORIA LANGLEY
69	JEFF STOBAUGH
83	KIP NORWOOD
	NATHAN NORWOOD
	ROSEMARY NORWOOD
85	NICHOLAS NORWOOD
86	GINGER CAMPBELL
	JAMES FORTUNE
	PATSY FORTUNE
	STEPHEN CAMPBELL
93	DEBORAH YOUNG
	PARKS HARVEY

Target Street	Cross Street	Source
-	✓	Cole Information

N CEDAR ST 2017

106	BURGESS, RUTH
202	REHM, LAWRENCE A
203	SULLIVAN, JAMES G
206	EMBRY, CUMIRE T
307	NOLAND, JUSTIN R
401	DURHAM, LORRAINE J
403	HENSON, GLENN
405	TONEY, CAROLYN
409	FORTUSA, FRANK
411	FAWBUSH, DONNA
502	SMITH, DAISY M
509	BANKS, PAMELA D
600	WOFFORD, CLAYTON A
603	RAINEY, CLAYTON
605	DEMIO, TONY
607	LEMIEUX, PAM G
611	MORRILTON MINI STORAGE
701	STRACNER, LEWIS L
707	VAUGHN, WAYNE L
801	DIXON, ZACHARY R
809	SCHULER, JIM C
901	BAKER, CHARLES L
911	MAIN, DAVID E
915	DUNN, DARRELL
2703	SMITH WAYNE TRUCKING

Target Street	Cross Street	Source
-	✓	Cole Information

WINFREY ST 2017

8	BERKEMEYER, JOE J
19	WYLLIA, MADISON
26	BRADLEY, PAUL E
35	REAMS, JOHHNY R
40	WYLLIA, JUDY A
57	MCCOY, JEFFERY D
62	LANGLEY, LOUIE E
69	STOBAUGH, MARY K
83	NORWOOD, KIPPY D
85	NORWOOD, NICK O
86	CAMPBELL, STEVE D
93	YOUNG, DEBBIE M

Target Street	Cross Street	Source
-	✓	Cole Information

N CEDAR ST 2014

106	TONEY, CALANDRA D
202	REHM, LAWRENCE A
203	SULLIVAN, JAMES G
204	OCCUPANT UNKNOWN,
206	EMBRY, CUMIRE T
212	BIZZELL, SHAKEERAH
301	WILKERSON, GWEN
305	LINDSEY, JENNIFER
307	NOLAND, JUSTIN R
401	DURHAM, LORRAINE J
403	CRISWELL, KENNETH D
405	TONEY, CAROLYN
409	FORTUSA, FRANK
411	FAWBUSH, DONNA
502	SMITH, DAISY M
505	OCCUPANT UNKNOWN,
509	BANKS, PAMELA D
600	WOFFORD, CLAYTON A
601	SWOPE, LISA D
602	CATES, SHANNON
603	RAINEY, CLAYTON
607	DONALD, DONNA
611	MORRILTON MINI STORAGE
701	STRACNER, LEWIS L
707	OCCUPANT UNKNOWN,
801	DIXON, ZACHARY R
805	OCCUPANT UNKNOWN,
809	SCHULER, JIM C
901	BAKER, CHARLES L
909	OCCUPANT UNKNOWN,
911	MAIN, WESLEY E
915	OCCUPANT UNKNOWN,

Target Street	Cross Street	Source
-	✓	Cole Information

WINFREY ST 2014

8	BERKEMEYER, CARL J
19	WYLLIA, MADISON
26	BRADLEY, PAUL E
29	WILLIAMS, LEONARD
35	TRYON, CONNIE
40	WYLLIA, JUDY A
62	OCCUPANT UNKNOWN,
69	STOBAUGH, LANGLEY M
83	NORWOOD, KIPPY D
85	OCCUPANT UNKNOWN,
86	CAMPBELL, STEVE D
93	YOUNG, DEBBIE M

Target Street	Cross Street	Source
-	✓	Cole Information

N CEDAR ST 2010

106	BULL, AVA
202	BURGUETE, JUANITA
203	SULLIVAN, JAMES G
206	EMBRY, CUMIRE T
212	BIZZELL, SHAKEERAH
301	WILKERSON, GWENDOLN
305	ROBERTS, DOYLE B
307	NOLAND, JUSTIN R
401	DURHAM, WILLIAM D
403	CRISWELL, KENNETH D
405	TONEY, CAROLYN
409	FORTUSA, FRANK
411	HUMPHRIES, BRITTNEY
500	KNOX, CASSANDRA J
502	SMITH, DAISY M
504	TRINITY MISSION BAPTIST CHURCH
509	DANIELS, CARL E
600	WOFFORD, BOBBY C
602	PHIPPS, CLAYTON D
605	BALLEW, PEGGY S
607	BALLEW, ROBERT L
701	STRACNER, LEWIS L
707	LYLES, M
	WIZARD TRANSPORTATION SVC INC
800	CARR, THOMAS D
801	DIXON, ZACHARY R
805	KINDRICK, RICK
809	SCHULER, JIM F
901	BAKER, CHARLES L
909	MORROW, MARSHALL
911	MAIN, DAVID E
2703	PREMIUM PIPE & SUPPLY
	TXD SVC LP

Target Street	Cross Street	Source
-	✓	Cole Information

WINFREY ST 2010

8	BERKEMEYER, CARL J
19	WYLLIA, JIMMY H
26	BRADLEY, PAUL E
29	WILLIAMS, BILL J
35	REAMS, JOHHNY R
57	MCCOY, JEFFERY D
62	LANGLEY, LOUIE E
69	STOBAUGH, JEFF C
83	NORWOOD, KIPPY D
85	NORWOOD, KARL A
86	CAMPBELL, STEVE D
93	YOUNG, WILLIAM C

Target Street	Cross Street	Source
-	✓	Cole Information

N CEDAR ST 2005

106	WILLIAMS, ROBERT D
108	OCCUPANT UNKNOWN,
202	MCDANIEL, DIANNE
203	SULLIVAN, MACIE L
205	OCCUPANT UNKNOWN,
206	EMBRY, CUMIRE T
212	BIZZELL, SHAKEERAH
213	STRICKLAND, LATOYA D
301	MCVAY, THOMAS
305	ROBERTS, DOYLE B
307	NOLAND, JUSTIN
401	CORONA, THOMAS L
403	CRISWELL, NAPOSA
405	TONEY, CAROLYN
409	BAIER, ROBERT A
411	BRYANT, BRANNON
500	KNOX, CASSANDRA
502	SMITH, DAISY M
509	BANKS, PAMELA D
600	WOFFORD, BOBBY C
601	WHITE, JENNIFER
603	RAINEY, MARCIA D
605	HUFFMAN, DOYLE L
607	BREWER, D E
701	STRACNER, LEWIS
707	VAUGHN, WAYNE L
	WIZARD TRANSPORTATION SERVICE
801	DIXON, K J
805	KINDRICK, JANICE K
809	J S FORESTRY LLC
	SCHULER, JIM F
901	BAKER, CHARLES L
911	MAIN, DAVID E
915	DUNN, LEON C
922	CARTER, LEON

Target Street	Cross Street	Source
-	✓	Cole Information

WINFREY ST 2005

8	BERKEMEYER, CARL J
19	WYLLIA, TIM L
26	BRADLEY, PAUL
29	OCCUPANT UNKNOWN,
35	SNYDER, DAN N
40	OCCUPANT UNKNOWN,
57	CANADY, BILLY J
62	LANGLEY, LOUIE E
69	STOBAUGH, JEFF C
83	NORWOOD, KIPPY D
85	NORWOOD, KARL A
86	CAMPBELL, STEVE D
93	YOUNG, WILLIAM C

Target Street	Cross Street	Source
-	✓	Cole Information

N CEDAR ST 2000

106	OCCUPANT UNKNOWN,
108	JONES, D
201	FOSTER, MARY A
202	OCCUPANT UNKNOWN,
203	SULLIVAN, MACIE
204	OCCUPANT UNKNOWN,
206	EMBRY, HENRY
207	OCCUPANT UNKNOWN,
208	OCCUPANT UNKNOWN,
210	OCCUPANT UNKNOWN,
211	OCCUPANT UNKNOWN,
212	OCCUPANT UNKNOWN,
213	OCCUPANT UNKNOWN,
301	GARRISON, C
305	TAYLOR, JOHNNY
307	OCCUPANT UNKNOWN,
401	BROCKMAN, LISA A
	KELLOGG, CAROL
403	MILLS, HENRY E
405	HAMMONS, KENNETH W
409	BAIER, ROBERT A
411	OCCUPANT UNKNOWN,
500	KNOX, C
502	SMITH, DAISY M
505	OCCUPANT UNKNOWN,
509	BANKS, PAMELA
600	WOFFORD, BOBBY C
601	GIFFORD, CHARLES
602	OCCUPANT UNKNOWN,
603	OCCUPANT UNKNOWN,
605	MITCHELL, CARLENE
607	OCCUPANT UNKNOWN,
611	MORRILTON MINI STORAGE
707	VAUGHN, WAYNE
801	DIXON, ZACH
805	KINDRICK, J K
809	SCHULER, JIM
901	BAKER, CHARLES L
909	SABO, F
911	MAIN, E V
915	DUNN, LEON

Target Street	Cross Street	Source
-	✓	Cole Information

WINFREY ST 2000

8	BERKEMEYER, JOE
19	WYLLIA, J H
26	BROWN, BILL
29	WILLIAMS, BILL
35	OCCUPANT UNKNOWN,
40	OCCUPANT UNKNOWN,
57	CANADY, BILLY J
62	LANGLEY, LOUIE
69	STOBAUGH, JEFF
83	NORWOOD, KIPPY
86	OCCUPANT UNKNOWN,
93	YOUNG, DEBBIE

Target Street	Cross Street	Source
-	✓	Cole Information

ARROW DR 1995

1 ARROW AUTOMOTIVE IND INC

Target Street	Cross Street	Source
-	✓	Cole Information

N CEDAR ST 1995

106	LEACH, MABEL T
108	NICKLES, BUSTER
202	MCDANIEL, CYNTHIA D
203	SULLIVAN, MACIE
204	BROWN, MARIAN
205	DAVIS, MARY
206	EMBRY, HENRY
208	DAVIS, J
210	FOSTER, MARY
301	MCVAY, SYLVIA
305	ZACHARY, VIRGIL
307	WILLIAMS, FLOYD
401	OCCUPANT UNKNOWNN
403	OCCUPANT UNKNOWNN
405	OCCUPANT UNKNOWNN
409	BAIER, ROBERT A
411	BRYANT, DALE G
502	SMITH, DAISY M
505	WHISNANT, C L
509	ENGLISH, R H
512	OCCUPANT UNKNOWNN
600	WOFFORD, BOBBY C
601	STATON, M D
602	HAYES, FLOYD A
603	WILLIAMSON, SHARON
605	MITCHELL, MELVIN F
607	RODGERS, JODY
611	MORRISON, JERRY
701	STRACNER, BARBARA
707	CLARK, C J
801	CLARK, RON
805	LANFORD, J D
809	SCHULER, JIM
901	BAKER, CHARLES L
909	OCCUPANT UNKNOWNN
911	MAIN, E V
913	OCCUPANT UNKNOWNN
915	DUNN, LEON

Target Street	Cross Street	Source
-	✓	Cole Information

N CEDAR ST 1992

106	LEACH, MABEL T
202	MCDANIEL, CYNTHIA D
203	SULLIVAN, RICHARD
206	EMBRY, HENRY
210	DAVIS, J
301	NICKLES, BUSTER
305	ZACHARY, VIRGIL
401	WRIGHT, GEORGE E
403	MILLS, MARY A
405	OWENS, ROY
409	BAIER, ROBERT A
411	BRYANT, DALE G
502	SMITH, DAISY M
509	ENGLISH, R H
601	STATON, M D
602	HAYES, FLOYD A
605	MITCHELL, MELVIN F
607	COLLINS, B JR
701	VINT, WILLIAM B
707	CLARK, C J
801	CLARK, RON
805	RANKIN, JAMES E
809	SCHULER, JIM
901	JOHNSON, A L
911	MAIN, E V
915	DUNN, LEON

APPENDIX D

Regulatory Reports and Documentation

MAY HOPE MOOSE NORTH INDUSTRIAL PARK
Arrow Drive and Cedar Street
Morrilton, AR 72110

Inquiry Number: 7933883.2s
March 21, 2025

EDR Summary Radius Map Report

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.

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

TARGET PROPERTY INFORMATION

ADDRESS

ARROW DRIVE AND CEDAR STREET
MORRILTON, AR 72110

COORDINATES

Latitude (North):	35.1721680 - 35° 10' 19.80''
Longitude (West):	92.7569430 - 92° 45' 24.99''
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	522133.3
UTM Y (Meters):	3891965.0
Elevation:	338 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	TP
Source:	U.S. Geological Survey

Target Property:	E
Source:	U.S. Geological Survey

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20190906
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
ARROW DRIVE AND CEDAR STREET
MORRILTON, AR 72110

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	MAY HOPE MOOSE IND.	CEDAR STREET	FINDS		TP
A2	MAY HOPE MOOSE IND.	CEDAR STREET	ECHO		TP
A3	NORTH INDUSTRIAL PAR	HWY 95 S & CEDAR ST	PERMITS		TP
A4	NORTH INDUSTRIAL PAR	HWY 95 S & CEDAR ST	FINDS		TP
5	WAYNE SMITH TRUCKING	PO BOX 35641 WST CIR	AST	Lower	488, 0.092, NNE
6	TXD SERVICES LP	2703 NORTH CEDAR STR	AST	Lower	847, 0.160, NE
7	MOORE PROPERTY	4TH AND GRANT	SWID	Higher	1681, 0.318, SSW
8	ACTIONSHREDDING AND	1008 WEST CHILDRESS	SWRCY	Higher	2538, 0.481, South

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

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

Site	Database(s)	EPA ID
MAY HOPE MOOSE IND. CEDAR STREET MORRILTON, AR 72110	FINDS Registry ID:: 110070549060	N/A
MAY HOPE MOOSE IND. CEDAR STREET MORRILTON, AR 72110	ECHO Registry ID: 110070549060	N/A
NORTH INDUSTRIAL PAR HWY 95 S & CEDAR ST MORRILTON, AR 72100	PERMITS Facility Status: A	N/A
NORTH INDUSTRIAL PAR HWY 95 S & CEDAR ST MORRILTON, AR 72100	FINDS Registry ID:: 110028054600	N/A

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

Lists of state and tribal landfills and solid waste disposal facilities

SWID: A review of the SWID list, as provided by EDR, and dated 10/27/2024 has revealed that there is 1 SWID site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MOORE PROPERTY	4TH AND GRANT	SSW 1/4 - 1/2 (0.318 mi.)	7	9

Compliant NBR Formatted: 028598

Lists of state and tribal registered storage tanks

AST: A review of the AST list, as provided by EDR, and dated 12/05/2024 has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WAYNE SMITH TRUCKING Facility Id: 15001673 Facility Id: 15001673 AFIN: 1501558	PO BOX 35641 WST CIR	NNE 0 - 1/8 (0.092 mi.)	5	8
TXD SERVICES LP Facility Id: 15001661 Facility Id: 15001661 AFIN: 1500599	2703 NORTH CEDAR STR	NE 1/8 - 1/4 (0.160 mi.)	6	9

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

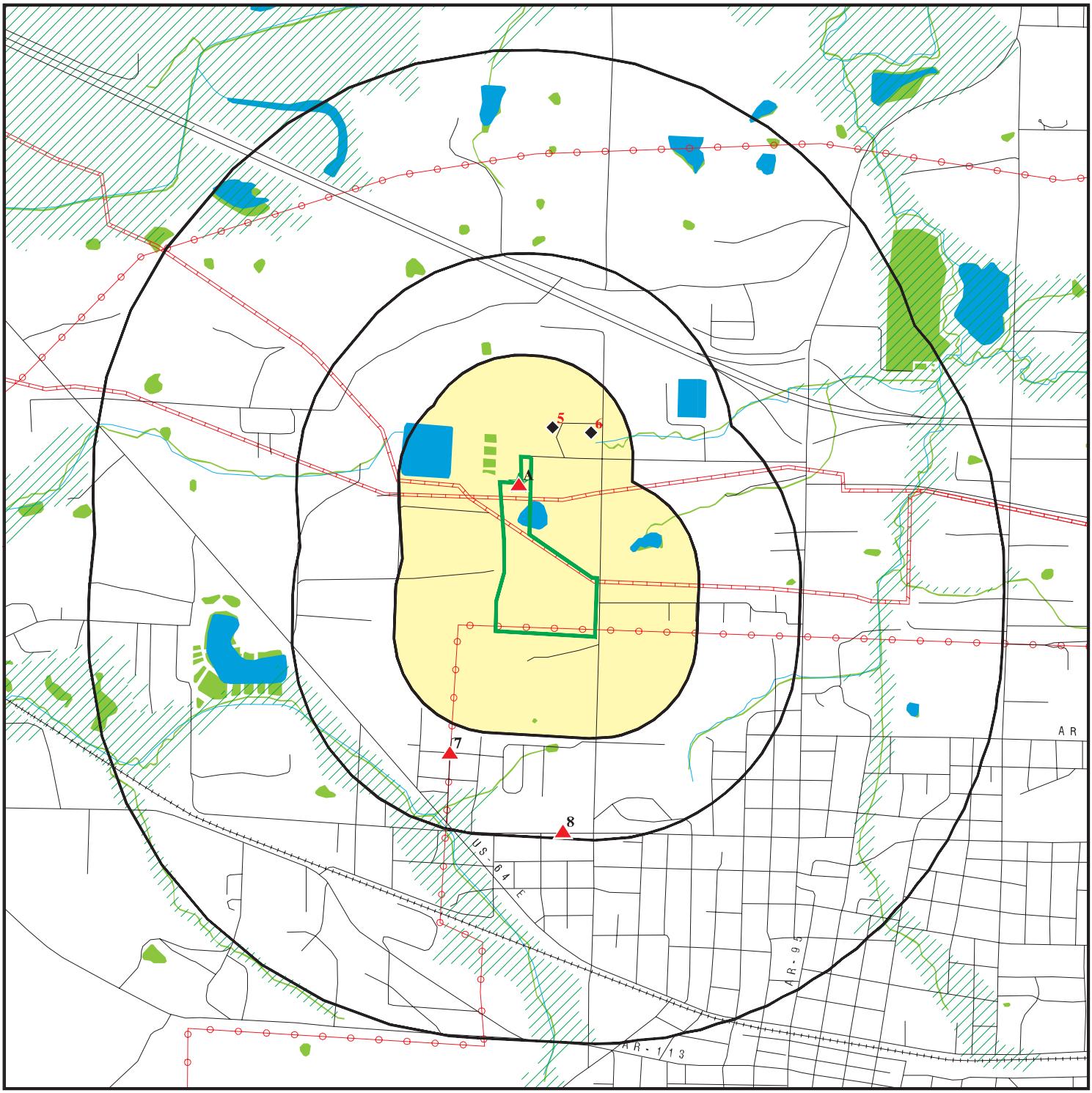
SWRCY: A review of the SWRCY list, as provided by EDR, and dated 10/28/2024 has revealed that there is 1 SWRCY site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ACTIONSHREDDING AND Facility Id: 836 Facility Status: A	1008 WEST CHILDRESS	S 1/4 - 1/2 (0.481 mi.)	8	9

Count: 4 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MORRILTON	S104827087	PHILLIP 66 FOOD PLAZA	I-40 AND HWY 9	72110	LTANKS
MORRILTON	S122720055	SOUTH CONWAY COUNTY SCHOOL	488 ARROW DRTRANSPORTATION DEP	72110	LTANKS, Financial Assurance
MORRILTON	1027066810	CBC MORRILTON	1313 BROADWAY STREET	72110	CORRACTS, RCRA NonGen / NLR
MORRILTON	S106570919	PETIT JEAN STATE PARK	VISITOR CENTER	72110	LTANKS

OVERVIEW MAP - 7933883.2S



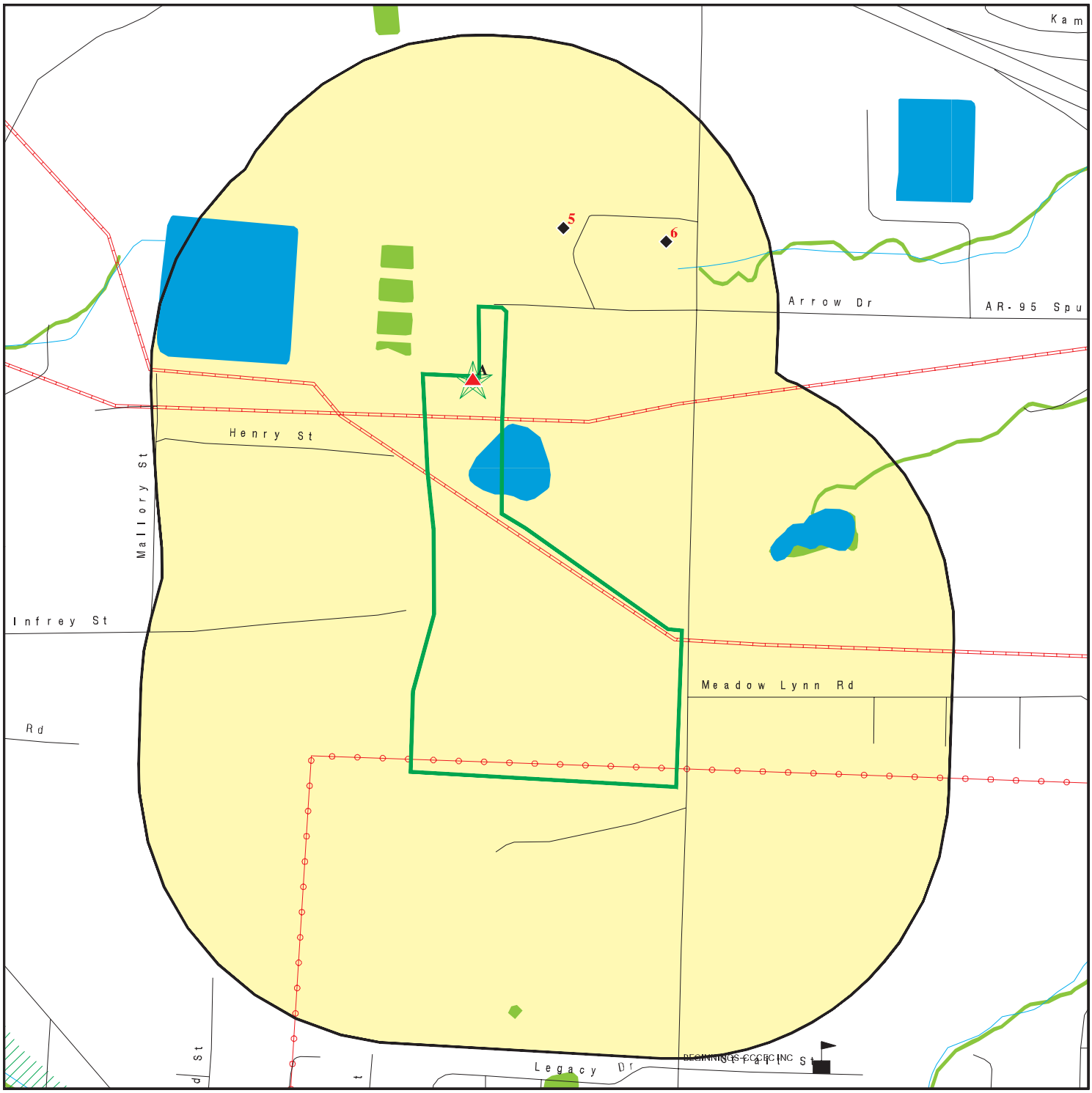
0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 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:	MAY HOPE MOOSE NORTH INDUSTRIAL PARK	CLIENT:	Crafton Tull
ADDRESS:	Arrow Drive and Cedar Street Morrilton AR 72110	CONTACT:	Stuart Gower-Jackson
LAT/LONG:	35.172168 / 92.756943	INQUIRY #:	7933883.2s
		DATE:	March 21, 2025 2:36 pm

DETAIL MAP - 7933883.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- 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:	MAY HOPE MOOSE NORTH INDUSTRIAL PARK	CLIENT:	Crafton Tull
ADDRESS:	Arrow Drive and Cedar Street Morrilton AR 72110	CONTACT:	Stuart Gower-Jackson
LAT/LONG:	35.172168 / 92.756943	INQUIRY #:	7933883.2s
		DATE:	March 21, 2025 2:39 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								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-VSQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROLS	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
SHWS	1.000		0	0	0	0	NR	0
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	0	NR	NR	0
SWID	0.500		0	0	1	NR	NR	1
Lists of state and tribal leaking storage tanks								
LTANKS	0.500		0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
INDIAN LUST	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		1	1	NR	NR	NR	2
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
Lists of state and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	0	NR	NR	0
Lists of state and tribal brownfield sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
SWRCY	0.500		0	0	1	NR	NR	1
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
SPILLS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
SPILLS 80	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

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

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST FINDER RELEASE	0.500		0	0	0	NR	NR	0
UST FINDER	0.250		0	0	NR	NR	NR	0
E MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM	0.250		0	0	NR	NR	NR	0
AIRS	0.001		0	NR	NR	NR	NR	0
ASBESTOS	0.001		0	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
HW GEN	0.250		0	0	NR	NR	NR	0
PERMITS	0.001	1	0	NR	NR	NR	NR	1
AR Sludge	0.500		0	0	0	NR	NR	0
TIER 2	0.001		0	NR	NR	NR	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA HWS	0.001		0	NR	NR	NR	NR	0
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		4	1	1	2	0	0	8

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1
Target
Property
MAY HOPE MOOSE IND. PARK CLEARING
CEDAR STREET
MORRILTON, AR 72110

FINDS **1025811816**
N/A

Actual:
338 ft.

Click here for full text details

FINDS
Registry ID: 110070549060

A2
Target
Property
MAY HOPE MOOSE IND. PARK CLEARING
CEDAR STREET
MORRILTON, AR 72110

ECHO **1025473368**
N/A

Actual:
338 ft.

Click here for full text details

ECHO
Registry ID 110070549060

A3
Target
Property
NORTH INDUSTRIAL PARK
HWY 95 S & CEDAR ST
MORRILTON, AR 72100

PERMITS **S108430558**
N/A

Actual:
338 ft.

Click here for full text details

PERMITS
Facility Status Active

A4
Target
Property
NORTH INDUSTRIAL PARK
HWY 95 S & CEDAR ST
MORRILTON, AR 72100

FINDS **1010015610**
N/A

Actual:
338 ft.

Click here for full text details

FINDS
Registry ID: 110028054600

5
NNE
< 1/8
0.092 mi.
488 ft.
WAYNE SMITH TRUCKING INC
PO BOX 35641 WST CIRCLE
MORRILTON, AR 72110

AST **A100426711**
N/A

Relative:
Lower

Click here for full text details

AST
Facility Id 15001673
AFIN 1501558
Facility Id 15001673

6
NE
1/8-1/4
0.160 mi.
847 ft.

Relative:
Lower

TXD SERVICES LP
2703 NORTH CEDAR STREET
MORRILTON, AR 72110

AST **A100326754**
N/A

Click here for full text details

AST
Facility Id 15001661
AFIN 1500599
Facility Id 15001661

7
SSW
1/4-1/2
0.318 mi.
1681 ft.

Relative:
Higher

MOORE PROPERTY
4TH AND GRANT
MORRILTON, AR

SWID **S128018589**
N/A

Click here for full text details

SWID
Compliant NBR Formatted 028598

8
South
1/4-1/2
0.481 mi.
2538 ft.

Relative:
Higher

ACTIONSHREDDING AND RECYCLING
1008 WEST CHILDRESS
MORRILTON, AR 72110

SWRCY **S111161126**
N/A

Click here for full text details

SWRCY
Facility Status A
Facility Id 836

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
AR	AIRS	Permitted Facility Emission & Stack Data	Department of Environmental Quality	12/11/2024	12/11/2024	03/04/2025
AR	AQUEOUS FOAM	Aqueous Film-Forming Foam Site Listing	Department of Environmental Quality	12/26/2024	12/27/2024	03/13/2025
AR	ASBESTOS	Asbestos Notification of Intent Database	Department of Environmental Quality	10/15/2024	10/16/2024	01/03/2025
AR	AST	Aboveground Tank Database	Department of Environmental Quality	12/05/2024	12/05/2024	02/19/2025
AR	BROWNFIELDS	Brownfields Projects	Department of Environmental Quality	10/31/2024	11/01/2024	01/24/2025
AR	CDL	Methamphetamine Contaminated Properties Listing	Department of Environmental Quality	10/15/2024	10/16/2024	01/03/2025
AR	COAL ASH	Coal Ash Disposal Site Listing	Department of Environmental Quality	01/30/2023	05/02/2023	07/24/2023
AR	ENFORCEMENT	Consent Administrative Order, Notice of Violation Informatio	Department of Environmental Quality	10/15/2024	10/16/2024	01/03/2025
AR	ENG CONTROLS	Engineering Controls Sites Listing	Department of Environmental Quality	10/31/2024	11/01/2024	01/24/2025
AR	FIN ASSURANCE 1	Financial Assurance Information Listing	Department of Environmental Quality	09/16/2019	09/18/2019	11/19/2019
AR	FIN ASSURANCE 2	Financial Assurance Information Listing	Department of Environmental Quality	12/27/2024	01/02/2025	03/18/2025
AR	FIN ASSURANCE 3	Financial Assurance Information Listing	Department of Environmental Quality	12/05/2024	12/05/2024	02/19/2025
AR	HW GEN	Hazardous Waste Generators Facility Summary	Department of Environmental Quality	11/03/2024	11/05/2024	01/24/2025
AR	INST CONTROL	Institutional Control/Land Use Restriction Sites	Department of Environmental Quality	10/31/2024	11/01/2024	01/24/2025
AR	LTANKS	Leaking Underground Storage Tank Data	Department of Environmental Quality	12/05/2024	12/05/2024	02/20/2025
AR	PERMITS	Permit Data System	Department of Environmental Quality	12/02/2024	12/03/2024	02/20/2025
AR	PFAS	Per- and Polyfluoroalkyl Substances	Department of Environmental Quality	12/03/2024	12/04/2024	02/20/2025
AR	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of Environmental Quality		07/01/2013	01/02/2014
AR	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of Environmental Quality		07/01/2013	01/16/2014
AR	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of Environmental Quality		07/01/2013	01/04/2014
AR	SHWS	Hazardous Substance Remedial Action Trust Fund Priority List	Department of Environmental Quality	12/02/2024	12/03/2024	02/20/2025
AR	SLUDGE	Poultry Sludge Permit Sites	Department of Environmental Quality	12/02/2024	12/03/2024	02/20/2025
AR	SPILLS	Emergency Response Incidents	Department of Environmental Quality	12/26/2024	12/27/2024	03/13/2025
AR	SPILLS 80	SPILLS80 data from FirstSearch	FirstSearch	03/30/2009	01/03/2013	03/06/2013
AR	SPILLS 90	SPILLS90 data from FirstSearch	FirstSearch	05/08/2011	01/03/2013	03/06/2013
AR	SWF/LF	Solid Waste Facility Permit Database	Department of Environmental Quality	10/28/2024	10/29/2024	01/15/2025
AR	SWID	Solid Waste Illegal Dumps Database	Department of Environmental Quality	10/27/2024	10/29/2024	01/16/2025
AR	SWRCY	Recycling Directory	Department of Environmental Quality	10/28/2024	10/29/2024	01/16/2025
AR	TIER 2	Tier 2 Information Listing	Department of Environmental Management	12/31/2023	06/27/2024	09/24/2024
AR	UIC	Underground Injection Wells Database Listing	Arkansas Oil & Gas Commission	08/12/2024	10/08/2024	12/31/2024
AR	UST	Underground Storage Tank Data	Department of Environmental Quality	12/05/2024	12/05/2024	02/19/2025
AR	VCP	Voluntary Cleanup Program Sites	Department of Environmental Quality	10/15/2024	11/06/2024	01/24/2025
US	2020 COR ACTION	2020 Corrective Action Program List	Environmental Protection Agency	09/30/2017	05/08/2018	07/20/2018
US	ABANDONED MINES	Abandoned Mines	Department of Interior	12/10/2024	12/11/2024	02/18/2025
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	BIOSOLIDS	ICIS-NPDES Biosolids Facility Data	Environmental Protection Agency	01/12/2025	01/14/2025	03/20/2025
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2023	02/19/2025	03/07/2025
US	COAL ASH DOE	Steam-Electric Plant Operation Data	Department of Energy	12/31/2023	10/16/2024	01/14/2025
US	COAL ASH EPA	Coal Combustion Residues Surface Impoundments List	Environmental Protection Agency	01/12/2017	03/05/2019	11/11/2019
US	CONSENT	Superfund (CERCLA) Consent Decrees	Department of Justice, Consent Decree Library	09/30/2024	10/09/2024	01/10/2025
US	CORRACTS	Corrective Action Report	EPA	02/17/2025	02/19/2025	03/06/2025
US	DEBRIS REGION 9	Torres Martinez Reservation Illegal Dump Site Locations	EPA, Region 9	01/12/2009	05/07/2009	09/21/2009
US	DOCKET HWC	Hazardous Waste Compliance Docket Listing	Environmental Protection Agency	05/06/2021	05/21/2021	08/11/2021
US	DOD	Department of Defense Sites	USGS	06/07/2021	07/13/2021	03/09/2022
US	DOT OPS	Incident and Accident Data	Department of Transporation, Office of Pipeli	10/04/2024	10/16/2024	12/06/2024
US	Delisted NPL	National Priority List Deletions	EPA	12/19/2024	01/02/2025	01/21/2025
US	E MANIFEST	Hazardous Waste Electronic Manifest System	Environmental Protection Agency	02/17/2025	02/19/2025	03/14/2025

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	ECHO	Enforcement & Compliance History Information	Environmental Protection Agency	12/21/2024	12/27/2024	01/10/2025
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EPA WATCH LIST	EPA Watch List	Environmental Protection Agency	08/30/2013	03/21/2014	06/17/2014
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	12/03/2024	12/11/2024	02/18/2025
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	11/20/2024	12/18/2024	12/20/2024
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	FEMA UST	Underground Storage Tank Listing	FEMA	08/12/2024	10/30/2024	01/14/2025
US	FINDS	Facility Index System/Facility Registry System	EPA	11/11/2024	11/20/2024	02/18/2025
US	FTTS	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA/Office of Prevention, Pesticides and Toxi	04/09/2009	04/16/2009	05/11/2009
US	FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fu	EPA	04/09/2009	04/16/2009	05/11/2009
US	FUDS	Formerly Used Defense Sites	U.S. Army Corps of Engineers	10/01/2024	11/12/2024	01/21/2025
US	FUELS PROGRAM	EPA Fuels Program Registered Listing	EPA	11/08/2024	11/08/2024	01/14/2025
US	FUSRAP	Formerly Utilized Sites Remedial Action Program	Department of Energy	03/03/2023	03/03/2023	06/09/2023
US	HIST FTTS	FIFRA/TSCA Tracking System Administrative Case Listing	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HIST FTTS INSP	FIFRA/TSCA Tracking System Inspection & Enforcement Case Lis	Environmental Protection Agency	10/19/2006	03/01/2007	04/10/2007
US	HMIRS	Hazardous Materials Information Reporting System	U.S. Department of Transportation	12/10/2024	12/11/2024	02/27/2025
US	ICIS	Integrated Compliance Information System	Environmental Protection Agency	11/18/2016	11/23/2016	02/10/2017
US	IHS OPEN DUMPS	Open Dumps on Indian Land	Department of Health & Human Serivces, Indian	02/07/2024	11/13/2024	11/19/2024
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	04/11/2024	05/30/2024	08/28/2024
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	05/07/2024	05/30/2024	08/28/2024
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	05/07/2024	05/30/2024	08/28/2024
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	04/11/2024	05/30/2024	08/28/2024
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	05/14/2024	05/30/2024	08/28/2024
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	05/14/2024	05/30/2024	08/28/2024
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	12/19/2024	01/02/2025	01/21/2025
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	LIENS 2	CERCLA Lien Information	Environmental Protection Agency	12/19/2024	01/02/2025	01/21/2025
US	LUCIS	Land Use Control Information System	Department of the Navy	11/11/2024	11/25/2024	02/18/2025
US	MINES MRDS	Mineral Resources Data System	USGS	06/04/2024	11/22/2024	02/18/2025
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	02/19/2025	02/21/2025	03/20/2025
US	MLTS	Material Licensing Tracking System	Nuclear Regulatory Commission	10/12/2024	10/17/2024	11/19/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	NPL	National Priority List	EPA	12/19/2024	01/02/2025	01/21/2025
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	PADS	PCB Activity Database System	EPA	07/01/2024	10/02/2024	01/10/2025
US	PCB TRANSFORMER	PCB Transformer Registration Database	Environmental Protection Agency	09/13/2019	11/06/2019	02/10/2020
US	PCS	Permit Compliance System	EPA, Office of Water	12/16/2016	01/06/2017	03/10/2017
US	PCS ENF	Enforcement data	EPA	12/31/2014	02/05/2015	03/06/2015
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	PFAS ECHO FIRE TRAIN	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	12/30/2024	01/02/2025	01/14/2025
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	PFAS PROJECT	NORTHEASTERN UNIVERSITY PFAS PROJECT	Social Science Environmental Health Research	05/19/2023	04/05/2024	06/06/2024
US	PFAS PT 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	12/30/2024	01/02/2025	01/10/2025
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	12/13/2024	01/02/2025	01/10/2025
US	PRP	Potentially Responsible Parties	EPA	09/19/2023	10/03/2023	10/19/2023
US	Proposed NPL	Proposed National Priority List Sites	EPA	12/19/2024	01/02/2025	01/21/2025
US	RAATS	RCRA Administrative Action Tracking System	EPA	04/17/1995	07/03/1995	08/07/1995
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	02/17/2025	02/19/2025	03/06/2025
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	02/17/2025	02/19/2025	03/06/2025
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	02/17/2025	02/19/2025	03/06/2025
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	02/17/2025	02/19/2025	03/06/2025
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	02/17/2025	02/19/2025	03/06/2025
US	RMP	Risk Management Plans	Environmental Protection Agency	10/01/2024	10/23/2024	01/14/2025
US	ROD	Records Of Decision	EPA	01/29/2025	02/03/2025	02/27/2025
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	SEMS	Superfund Enterprise Management System	EPA	12/19/2024	01/02/2025	01/21/2025
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	12/19/2024	01/02/2025	01/21/2025
US	SSTS	Section 7 Tracking Systems	EPA	10/15/2024	10/16/2024	01/14/2025
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2023	02/11/2025	02/18/2025
US	TSCA	Toxic Substances Control Act	EPA	12/31/2020	06/14/2022	03/24/2023
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	02/12/2025	02/12/2025	02/27/2025
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	09/09/2024	09/11/2024	12/06/2024
US	US CDL	Clandestine Drug Labs	Drug Enforcement Administration	05/20/2024	08/19/2024	10/09/2024
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	11/04/2024	11/15/2024	02/11/2025
US	US FIN ASSUR	Financial Assurance Information	Environmental Protection Agency	02/17/2025	02/19/2025	03/06/2025
US	US HIST CDL	National Clandestine Laboratory Register	Drug Enforcement Administration	05/20/2024	08/19/2024	10/09/2024
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	11/04/2024	11/15/2024	02/11/2025
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	02/03/2025	02/18/2025	03/20/2025
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	05/02/2024	08/20/2024	10/09/2024

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	UST FINDER	UST Finder Database	Environmental Protection Agency	06/08/2023	10/04/2023	01/18/2024
US	UST FINDER RELEASE	UST Finder Releases Database	Environmental Protecton Agency	06/08/2023	10/31/2023	01/18/2024
US	UXO	Unexploded Ordnance Sites	Department of Defense	09/06/2023	09/13/2023	12/11/2023
CT	CT MANIFEST	Hazardous Waste Manifest Data	Department of Energy & Environmental Protecti	11/04/2024	11/05/2024	01/27/2025
NY	NY MANIFEST	Facility and Manifest Data	Department of Environmental Conservation	12/31/2019	11/30/2023	12/01/2023
PA	PA MANIFEST	Manifest Information	Department of Environmental Protection	06/30/2018	07/19/2019	09/10/2019
RI	RI MANIFEST	Manifest information	Department of Environmental Management	12/31/2020	11/30/2021	02/18/2022
WI	WI MANIFEST	Manifest Information	Department of Natural Resources	05/31/2018	06/19/2019	09/03/2019
US	AHA Hospitals	Sensitive Receptor: AHA Hospitals	American Hospital Association, Inc.			
US	Medical Centers	Sensitive Receptor: Medical Centers	Centers for Medicare & Medicaid Services			
US	Nursing Homes	Sensitive Receptor: Nursing Homes	National Institutes of Health			
US	Public Schools	Sensitive Receptor: Public Schools	National Center for Education Statistics			
US	Private Schools	Sensitive Receptor: Private Schools	National Center for Education Statistics			
US	Flood Zones	100-year and 500-year flood zones	Emergency Management Agency (FEMA)			
US	NWI	National Wetlands Inventory	U.S. Fish and Wildlife Service			
AR	State Wetlands	Wetland Inventory	US Fish & Wildlife Service			
US	Topographic Map		U.S. Geological Survey			
US	Oil/Gas Pipelines		Endeavor Business Media			
US	Electric Power Transmission Line Data		Endeavor Business Media			

STREET AND ADDRESS INFORMATION

GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

MAY HOPE MOOSE NORTH INDUSTRIAL PARK
ARROW DRIVE AND CEDAR STREET
MORRILTON, AR 72110

TARGET PROPERTY COORDINATES

Latitude (North):	35.172168 - 35° 10' 19.80''
Longitude (West):	92.756943 - 92° 45' 24.99''
Universal Tranverse Mercator:	Zone 15
UTM X (Meters):	522133.3
UTM Y (Meters):	3891965.0
Elevation:	338 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	15623877 MORRILTON WEST, AR
Version Date:	2020
East Map:	15623875 MORRILTON EAST, AR
Version Date:	2020

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

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

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

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

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

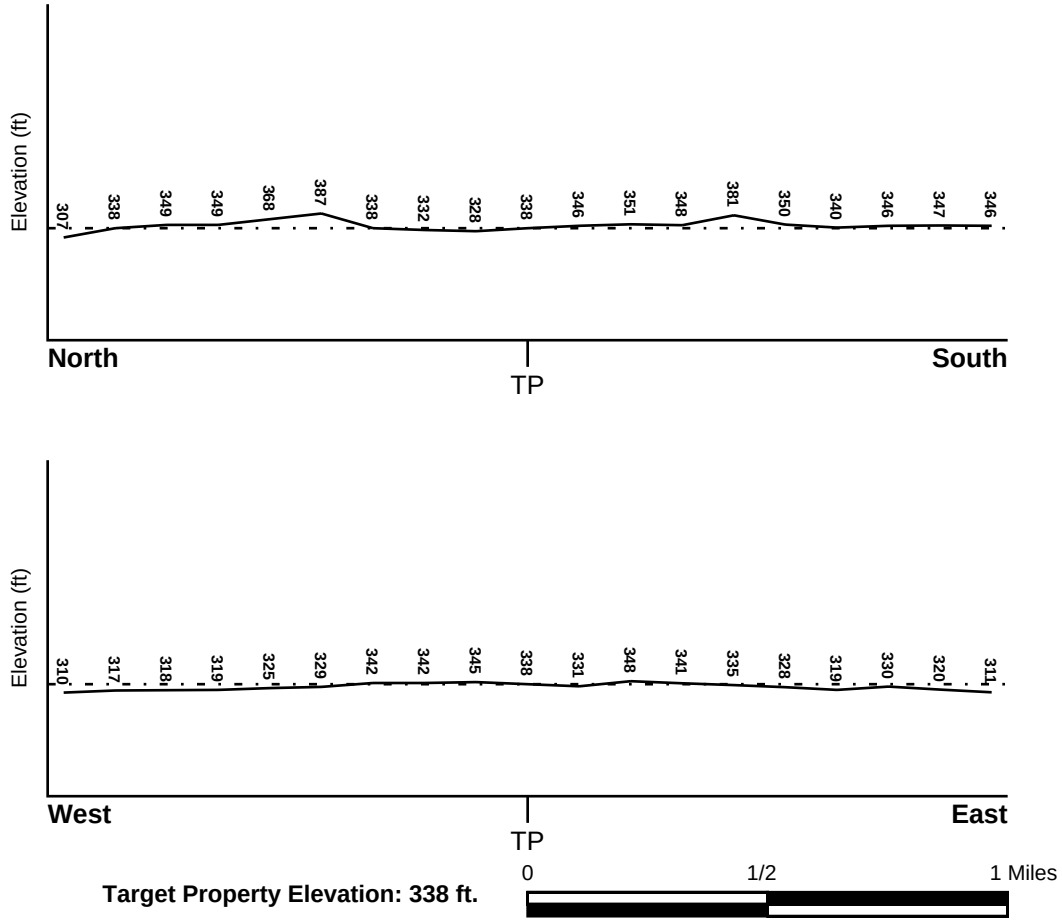
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NNW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

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

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

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
05115C0550E	FEMA FIRM Flood data

Additional Panels in search area:	FEMA Source Type
05029C0250C	FEMA FIRM Flood data
05029C0275C	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
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

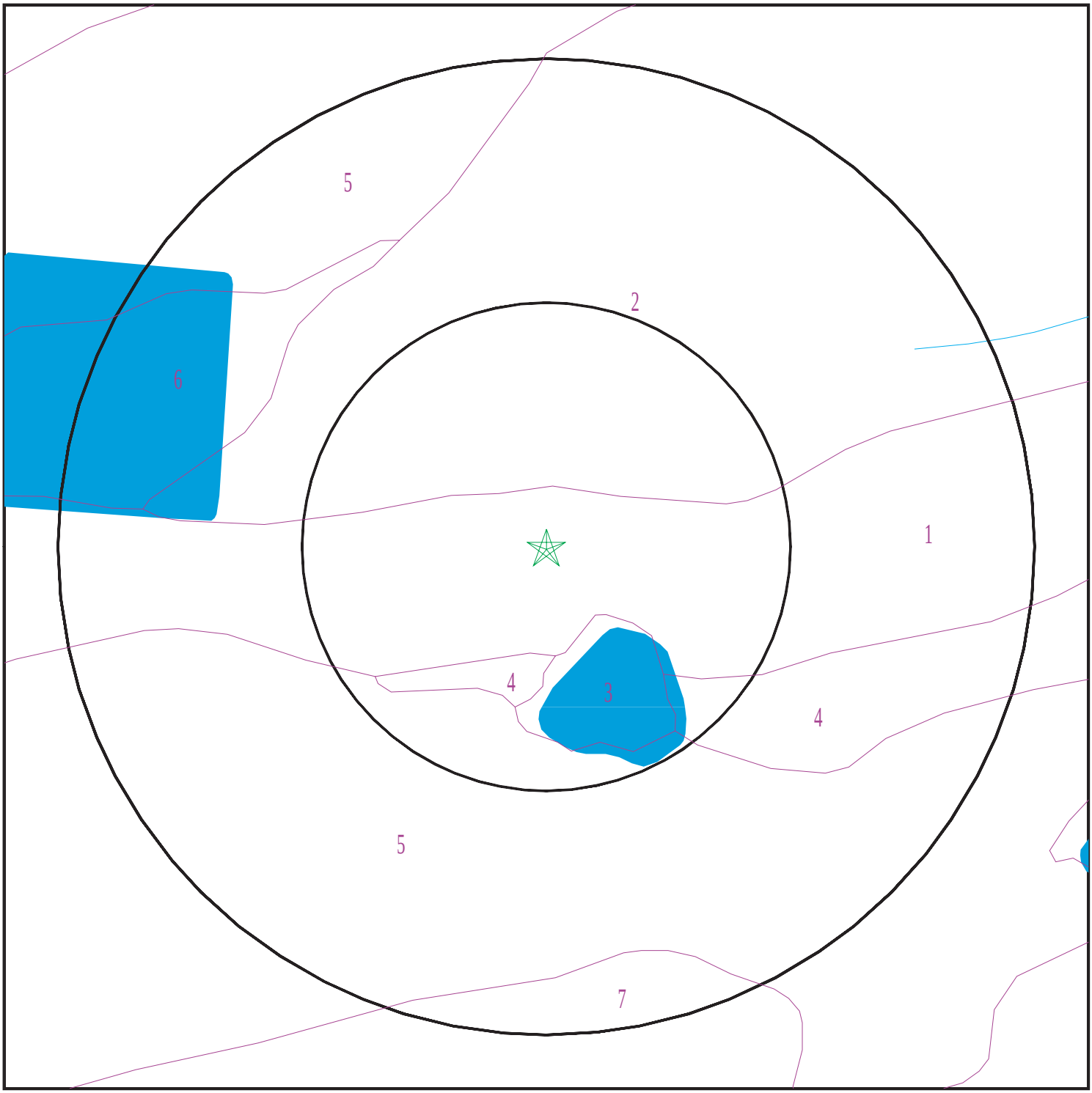
Era:	Paleozoic
System:	Pennsylvanian
Series:	Atokan and Morrowan Series
Code:	PP1 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratifed 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 - 7933883.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	MAY HOPE MOOSE NORTH INDUSTRIAL PARK	CLIENT:	Crafton Tull
ADDRESS:	Arrow Drive and Cedar Street Morrilton AR 72110	CONTACT:	Stuart Gower-Jackson
LAT/LONG:	35.172168 / 92.756943	INQUIRY #:	7933883.2s
		DATE:	March 21, 2025 2:40 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: Mountainburg

Soil Surface Texture: stony fine sandy loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 41 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	stony fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 1.4 Min: 0.42	Max: Min:
2	5 inches	9 inches	very gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 1.4 Min: 0.42	Max: Min:
3	9 inches	16 inches	very gravelly sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 1.4 Min: 0.42	Max: Min:

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
4	16 inches	20 inches	unweathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 1.4 Min: 0.42	Max: Min:

Soil Map ID: 2

Soil Component Name: Taft

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 32 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	11 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 5.5 Min: 4.5
2	11 inches	27 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 5.5 Min: 4.5

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
3	27 inches	66 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 5.5 Min: 4.5
4	66 inches	85 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 1.4	Max: 5.5 Min: 4.5

Soil Map ID: 3

Soil Component Name: Water

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 4

Soil Component Name: Mountainburg

Soil Surface Texture: gravelly fine sandy loam

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

Soil Drainage Class: Well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 41 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 1.4 Min: 0.42	Max: Min:
2	5 inches	9 inches	very gravelly fine sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 1.4 Min: 0.42	Max: Min:
3	9 inches	16 inches	very gravelly sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 1.4 Min: 0.42	Max: Min:
4	16 inches	20 inches	unweathered bedrock	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	Not reported	Max: 1.4 Min: 0.42	Max: Min:

Soil Map ID: 5

Soil Component Name: Leadvale

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	5 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 0.42	Max: 5.5 Min: 4.5
2	5 inches	22 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 0.42	Max: 5.5 Min: 4.5
3	22 inches	40 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 0.42	Max: 5.5 Min: 4.5
4	40 inches	70 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 4 Min: 0.42	Max: 5.5 Min: 4.5

Soil Map ID: 6

Soil Component Name: Guthrie

Soil Surface Texture: silt loam

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

Soil Drainage Class: 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: > 23 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	7 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 5.5 Min: 4.5
2	7 inches	16 inches	silt loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 5.5 Min: 4.5
3	16 inches	46 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 5.5 Min: 4.5
4	46 inches	83 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 1.4 Min: 0.42	Max: 5.5 Min: 4.5

Soil Map ID: 7

Soil Component Name: Linker

Soil Surface Texture: fine sandy loam

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

Soil Drainage Class: Well drained

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 97 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
	Boundary			Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil		
1	0 inches	3 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.4 Min: 0.42	Max: Min:
2	3 inches	7 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.4 Min: 0.42	Max: Min:
3	7 inches	27 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.4 Min: 0.42	Max: Min:
4	27 inches	38 inches	gravelly sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.4 Min: 0.42	Max: Min:
5	38 inches	40 inches	unweathered bedrock	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	Not reported	Max: 1.4 Min: 0.42	Max: Min:

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

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
A1	USGS40000121685	1/2 - 1 Mile East
A2	USGS40000121684	1/2 - 1 Mile East

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

No PWS System Found

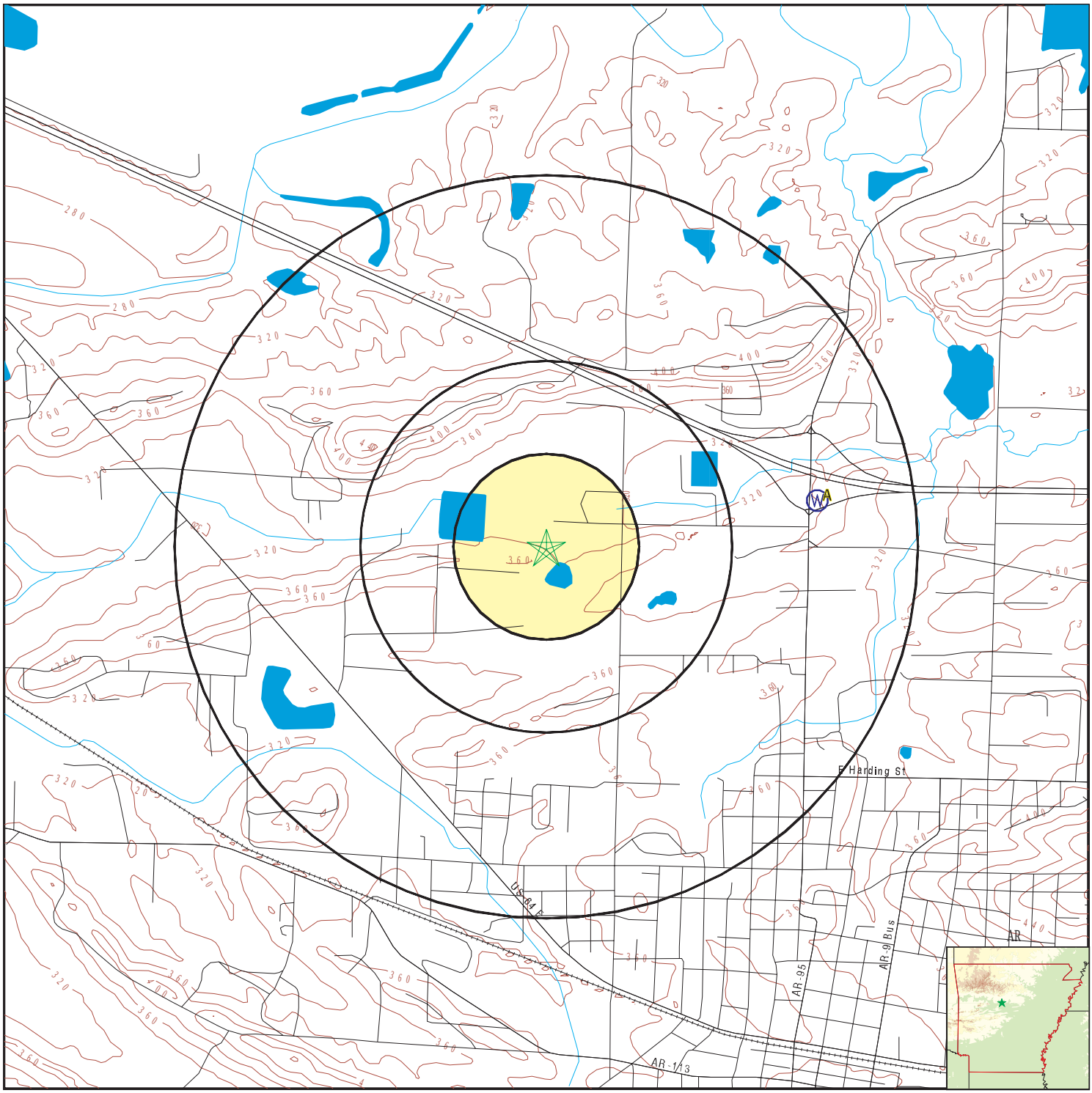
Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

No Wells Found

PHYSICAL SETTING SOURCE MAP - 7933883.2s



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

SITE NAME:	MAY HOPE MOOSE NORTH INDUSTRIAL PARK	CLIENT:	Crafton Tull
ADDRESS:	Arrow Drive and Cedar Street Morrilton AR 72110	CONTACT:	Stuart Gower-Jackson
LAT/LONG:	35.172168 / 92.756943	INQUIRY #:	7933883.2s
		DATE:	March 21, 2025 2:40 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
A1 **East** **1/2 - 1 Mile** **Lower**	**Click here for full text details**	**FED USGS**	**USGS40000121685**
A2 **East** **1/2 - 1 Mile** **Lower**	**Click here for full text details**	**FED USGS**	**USGS40000121684**

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
24	0.6	0.4	0.4	0.5	1.7	0	0

Federal EPA Radon Zone for CONWAY 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: 72110

Number of sites tested: 13

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.554 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

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.

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland 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

BROWNFIELD PROJECT INFORMATION FORM

LOCATION INFORMATION

Project Status: Withdrawn **Last Updated:** 3/12/2013

AFIN Number: 15-00020
Project Name: Arrow Automotive
Address: One Arrow Drive
City: Morrilton **State:** AR **Zip:** 72110
County: Conway **District:** 2 **Latitude:** 35.174722 **Longitude:** -92.747500

CONTROLS

Engineering Controls:

Institutional Controls: **Type of Control**

Activity Use Limitations: Industrial Only

MILESTONES

Phase I:	3/31/1999
Comprehensive Site Assessment:	6/16/1999
Implementing Agreement:	6/15/2000
Property Development Plan:	
Property Development Decision Document:	
Completion Report:	
Certificate of Completion:	
Date of Next Five (5) Year Review:	

Comment: No records are available for this project beyond the Implementing Agreement.

BROWNFIELD PROJECT INFORMATION FORM

LOCATION INFORMATION

Project Status: Withdrawn **Last Updated:** 12/6/2022

AFIN Number: 15-00003
Project Name: Crompton Mills Site
Address: Hwy 113 West
City: Morrilton **State:** AR **Zip:** 72110
County: Conway **District:** 2 **Latitude:** 35.174870 **Longitude:** -92.763010

CONTROLS

Engineering Controls:

Institutional Controls: **Type of Control**

Activity Use Limitations:

MILESTONES

Phase I:
Comprehensive Site Assessment:
Implementing Agreement:
Property Development Plan:
Property Development Decision Document:
Completion Report:
Certificate of Completion:
Date of Next Five (5) Year Review:

Comment: Could not obtain access from current owner to perform Phase I ESA. Withdrawn due to inactivity.

APPENDIX E

Interview Documentation

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901 N 47th Street, Suite 200
Rogers, AR 72756

479.636.4838 (ph)
479.631.6224 (fax)

PHASE I ENVIRONMENTAL SITE ASSESSMENT
USER QUESTIONNAIRE

To qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001, the *user* must conduct the following inquiries required by 40 CFR §§ 312.25, 312.28, 312.29, 312.30, and 312.31. The *user* should provide the following information to the *environmental professional*. Failure to conduct these inquiries could result in a determination that "all appropriate inquiries" is not complete.

As defined by ASTM,

- The *user* of the report is the "party seeking to use Practice E1527 to complete an environmental site assessment of the property. A *user* may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager. The user has specific obligations for completing a successful application of this practice."
- The *environmental professional* is "a person meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b). The person may be an independent contractor or an employee of the *user*."

SUBJECT PROPERTY INFORMATION:

SUBJECT PROPERTY ADDRESS:	May Hope Moose North Industrial Park
SUBJECT PROPERTY CITY, STATE ZIP:	Arrow Dr. and Cedar St Morrilton, AR 72110
SUBJECT PROPERTY PARCEL(S):	001-07772-001; 002-01341-000; 002-01347-000; 002-01346-000; 002-01348-000; 002-01338-000

SUBJECT PROPERTY OWNER INFORMATION:

NAME OF SUBJECT PROPERTY OWNER:	Conway County Economic Development Corporation
OWNER PHONE NUMBER:	501-354-2393
OWNER EMAIL:	donnie@morriltonchamber.com

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Rogers, AR 72756

479.636.4838 (ph)
479.631.6224 (fax)

1. **Environmental liens that are filed or recorded against the subject property (40 CFR §312.25)**

   Did a search of land title records (or judicial records, where appropriate) identify any environmental liens filed or recorded against the subject property under federal, tribal, state or local law?

   ☐ YES ☑ NO

   Comments:

2. **Activity and use limitations (AULs) that are in place on the subject property or that have been filed or recorded against the subject property**

   Did a search of land title records (or judicial records, where appropriate) identify any AULs, such as engineering controls, land use restrictions or institutional controls that are in place at the subject property and/or have been filed or recorded against the subject property under federal, tribal, state or local law?

   ☐ YES ☑ NO

   Comments:

3. **Specialized knowledge or experience of the person seeking to qualify for the Landowner Liability Protections (40 CFR §312.28)**

   Do you have any specialized knowledge or experience related to the subject 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

   Comments:

4. **Relationship of the purchase price to the fair market value of the subject property if it were not contaminated (40 CFR §312.29)**

   Does the purchase price being paid for this subject property reasonably reflect the fair market value of the property?

   ☑ YES ☐ NO

   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 subject property?

   ☐ YES ☐ NO

   Comments:

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Rogers, AR 72756

479.636.4838 (ph)
479.631.6224 (fax)

5. **Commonly known or reasonably ascertainable information about the subject property (40 CFR §312.30)**

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

Comments:

a. Do you know the past uses of the subject property?

☑ YES ☐ NO

Comments: Agricultural Uses in the Past - Developed to be an Industrial Park

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

☐ YES ☑ NO

Comments:

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

☐ YES ☑ NO

Comments:

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

☐ YES ☑ NO

Comments:

6. **The degree of obviousness of the presence or likely presence of contamination at the subject property, and the ability to detect the contamination by appropriate investigation (40 CFR §312.31)**

Based on your knowledge and experience related to the subject property are there any obvious indicators that point to the presence or likely presence of releases at the subject property?

☐ YES ☑ NO

Comments:

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Rogers, AR 72756

479.636.4838 (ph)
479.631.6224 (fax)

USER INFORMATION:

Name of User:	Donnie Crain
Title:	President/CEO
Relationship to Property:	Representative of the Owning Corporation
Phone Number:	501-354-2393
Email:	donnie@morriltonchamber.com

SIGNATURE OF USER:	Donnie Crain
DATE:	March 24, 2025

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Rogers, AR 72756
479.636.4838

PHASE I ENVIRONMENTAL SITE ASSESSMENT

OWNER / KEY SITE MANAGER INTERVIEW

SUBJECT PROPERTY ADDRESS:	May Hope Moose North Industrial
SUBJECT PROPERTY CITY, STATE, ZIP:	Arrow Dr. and Cedar St Morrilton,
SUBJECT PROPERTY PARCEL(S)	001-07772-001; 002-01341-000;

Name Owner / Key Site Manager: Donnie Crain

Title: President/CEO, Conway County Economic Development Corporation

Phone Number: 501-354-2393

Email: donnie@morriltonchamber.com

Please provide the following documentation to Crafton Tull, if available:

Document	Included?	
	Yes	No
Previous Phase I Environmental Site Assessment reports.	◉	○
Asbestos or Lead-Based Paint reports.	○	◉
Radon mitigation documentation (i.e. types of systems installed, when/who installed, which unit(s) were mitigated, most recent testing results, copy of Radon Operations, Maintenance, and Monitoring (OM&M), etc.).	○	◉
Environmental permits or Environmental compliance audit reports.	◉	○
Registrations for USTs and/or ASTs.	○	◉

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1) Approximately how long have you owned/managed the property?

The Conway County Economic Development Corporation (CCEDC) purchased the property at two separate times. The northern portion of the property (Lots 8, 11, 16, 17, & 18 of May Hope Moose Addition to the North Industrial Park (15.67 acres)) was purchased in 2006. The balance (25 acres) was purchased in 2011. I began my management of the property in October 2022 when I started in my current position of President/CEO of CCEDC.

2) What have you used the property for in the time that you have owned/managed it?

The property has been developed to be used as an Industrial Park. It previously was pasture/wooded agricultural land.

3) Have you ever had any environmental assessments done on this property and, if so, can you provide Crafton Tull a copy of the assessment?

Yes, the northern portion of the property had a Phase 1 Assessment completed in 2006.

4) Have you ever had any environmental permits for anything on the site, and, if so, can you describe what they were for?

There previously was a Stormwater Construction General Permit (ARR156133) for the property. That permit was terminated with Arkansas Energy & Environment in November 2023.

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5) Has any geotechnical, hydrogeological, or other study been conducted on the site, and, if so, can you provide Crafton Tull a copy of the study?

No, not to my knowledge.

6) To your knowledge have there been any litigation or administrative proceedings related to hazardous materials or petroleum products in, on, or from the property?

No, not to my knowledge.

7) To your knowledge are there any wells currently on-site? Have there been any on-site in the past?

No, not to my knowledge.

8) To your knowledge are there or have there ever been any septic systems on-site?

No, not to my knowledge.

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9) Have you used any farm chemicals, petroleum products, or other chemicals on-site in greater than household quantities? If so, what have you used?

No.

10) Is there anything else relevant that you can share pertaining to the environmental conditions on-site?

No.

SIGNATURE OF OWNER:	Dominic Crain
DATE:	March 24, 2025

Stuart Gower-Jackson

Subject: FW: [External] Fire Department POC - Morrilton

From: Morrilton Fire Department <mfd@cityofmorrilton.net>
Sent: Thursday, April 3, 2025 11:36 AM
To: Stuart Gower-Jackson <Stuart.Gower-Jackson@craftontull.com>
Subject: Re: [External] Fire Department POC - Morrilton

To our knowledge there has not been any hazards of any kind including the ones you listed on the parcels you are doing the study on or around them.

From: Stuart Gower-Jackson <Stuart.Gower-Jackson@craftontull.com>
Sent: Monday, March 31, 2025 9:55 AM
To: Morrilton Fire Department <mfd@cityofmorrilton.net>; eeich@sbcglobal.net <eeich@sbcglobal.net>
Subject: RE: [External] Fire Department POC - Morrilton

Good morning Chief,

I am following up on the request below, confirming it has been received and we can gladly wait for it to be processed.

If I should be contacting another department, please could you help us by providing any contact details.

Thanks in advance for your help.

Regards
Stu

Stuart Gower-Jackson
Senior Environmental Scientist | Environmental

Crafton Tull

Office: 479-636-4838
901 N. 47th Street, Suite 400
Rogers, AR 72756
www.craftontull.com

From: Stuart Gower-Jackson
Sent: Tuesday, March 25, 2025 3:14 PM

To: mfd@cityofmorrilton.net
Cc: eeich@sbcglobal.net
Subject: FW: [External] Fire Department POC - Morrilton
Importance: High

Good afternoon Sir,

Donnie Crain shared your contact details after I enquired about the best point of contact for your Fire Department.

Crafton Tull is conducting a Phase I Environmental Site Assessment for the Morrilton Area Chamber of Commerce as part of their environmental due diligence on Conway County Parcels #

- 002-01338-000
- 002-01341-000
- 002-01346-000
- 002-01347-000
- 002-01348-000
- 001-07772-001

located at West of N. Cedar Street, Morrilton, AR.

I am writing to inquire whether the Morrilton Fire Department has any records or other knowledge regarding past or present environmental contamination from spills, releases of hazardous materials or petroleum products, illegal dumping activities, or storage of chemicals on or within the immediate vicinity of this parcel.

We appreciate any assistance you are able to provide with this assessment. As the majority of the subject property lies adjacent to the city limits, I understand there may be another fire district/department I should contact. If you could advise on that I would appreciate it. Thanks.

Please contact me with any questions or need for additional information.

Kind Regards,

Stu

From: Donnie Crain <donnie@morriltonchamber.com>
Sent: Tuesday, March 25, 2025 2:34 PM
To: Stuart Gower-Jackson <Stuart.Gower-Jackson@craftontull.com>
Subject: [External] Fire Department POC - Morrilton

Earle Eichenberger
eeich@sbcglobal.net

APPENDIX F

Qualifications

STUART GOWER-JACKSON
SENIOR ENVIRONMENTAL SCIENTIST

YEARS OF EXPERIENCE
20

EDUCATION
University of Natal in South Africa
Undergraduate in zoology and grassland science

University of Natal in South Africa
Advanced degree in applied environmental science

ASSOCIATIONS
National Association of Environmental Professionals

PRESENTATIONS
SAICE Environmental Division Lecture - Diversion of Solid Waste away from Landfills in six Municipalities in South Africa project

WasteCon 2016 Pikitup Resource Recovery & Logistics Plan Model Case Study

Designing for the environment: Waste Avoidance and Minimization; and Re-use and recycling of waste.

Advanced Integrated Solid Waste Management in South Africa - Social Considerations & Sustainable Financing.

OVERVIEW
Stuart has 20 years of experience in environmental consulting, including NEPA related environmental assessments, categorical exclusions, and environmental review. He has completed mulitple Phase 1 Environmental Site Assessment per ASTM E1527-21 for commercial projects. He is formerly a senior waste and environmental scientist at JG Afrika, South Africa. He provided GIS modeling services and coordination for multiple environmental assessments, waste management, permitting, and landfill diversion programs while in South Africa with project locations including Zambia, Namibia, Grenada and Lebanon.

He holds a bachelor's degree in zoology/grassland science and an advanced degree in applied environmental science from the University of Natal in South Africa. Stuart is passionate about mountain biking.

RELEVANT PROJECT EXPERIENCE

ENVIRONMENTAL ASSESSMENT (EA)
Cato Springs Sewer - Fayetteville, AR
Environmental assessment for construction of an 8-inch sanitary sewer line from Kessler Mountain Regional Park to existing infrastructure in the southwest part of Fayetteville in Washington County, AR.

TIER 3 CATEGORICAL EXCLUSION (CATEX)
Drake Street Trail - Fayetteville, AR
Categorical Exclusion for a multipurpose trail connection between US-71B/College Avenue and the Razorback Greenway within Gordon Long Park extending along Drake Street.

Highway 165 Sidewalk - England, AR
Categorical Exclusion for a project to extend the sidewalk from the intersection of Highway 15 and Highway 165 in order to provide a pedestrian connection to a bank, pharmacy, and public library in England, Lonoke County, AR.

Highway 38 Signal Improvements – Austin AR
Categorical Exclusion for signal improvements to the intersection at Highway 38 and N. Lincoln Street in Austin, Lonoke County, AR.

Club Manor – Maumelle AR
Categorical Exclusion for improvements to pedestrian mobility and safety along Club Manor Drive by converting 2 of the existing 4 lanes to a shared-use regional greenway, separated by a landscaped center median in Maumelle, Pulaski County, AR.

ENVIRONMENTAL REVIEW & ALTERNATIVES ANALYSIS
South Loop Study, Alternatives Analysis - Little Rock, AR
Senior Environmental Scientist for alternative transportation route analysis for the Little Rock Port Authority. Provided environmental input and recommendations on route alternatives, including GIS analysis contributions.

Maumelle Pinnacles Outdoor Recreation Vision Master Plan Scope of Services - Maumelle, AR
Environmental inputs and recommendations into the master plan for Maumelle Pinnacle Trails, including preliminary environmental review, concept development, alternatives consideration, and project partner visioning meetings.

Stormwater Management Study/Updating the City Stormwater GIS - City of Rogers, AR
GIS contributions updating The City of Rogers Stormwater System Geodatabase, development of data dictionary, and existing watershed mapping.

ANDREA HALLADAY
PROJECT ENVIRONMENTAL SCIENTIST

EXPERIENCE
5 Years

EDUCATION
Northwestern State University- May 2020
Bachelor of Science in Biology

OVERVIEW
Andrea's environmental consulting experience includes wetland delineations, T&E species assessments, report writing, project management and geographic information systems (GIS) information gathering and process. Andrea has experience in Arkansas, Oklahoma, Louisiana, and Texas. She has previously worked with the Louisiana Department of Wildlife & Fisheries as a black bear technician.

RELEVANT PROJECT EXPERIENCE

North Oldridge Road
Lowell, Arkansas
Assisted in conducting a Phase I Environmental Site Assessment (ESA) for the site, which included coordination with the City of Lowell, local landowners, and other stakeholders.

May Hope Moose,
Morrilton, Arkansas
Supported a Phase I ESA for the site, with a specific focus on evaluating potential environmental impacts. Conducted a comprehensive survey and report on threatened and endangered species in the area, coordinating closely with federal wildlife and fisheries agencies to ensure compliance with regulatory requirements.

Liberty Lofts
Rogers, Arkansas
Contributed to a wetland delineation for a 13-acre site, ensuring proper identification and classification of wetlands within the development area.

Airport Road Subdivision
Siloam Springs, Arkansas
Assisted in conducting a wetland delineation on a 100-acre site, identifying wetlands and other water resources critical to the development.

Ramay Tree Survey,
Fayetteville, Arkansas
Performed a detailed tree survey for a 100-acre site, evaluating the condition and species of trees present. The survey contributed to the overall environmental planning process, helping to inform decisions about land use, conservation, and site development.

APPENDIX G

Relevant Prior Records

March 26, 2025

Threatened and Endangered Species Assessment
May Hope Moose | Morrilton, AR

Prepared for:
Burns & McDonnell
6576 Lynch's Prairie Cove, Suite B
Springdale, AR 72762

CT JOB NO. 25102600

Prepared by **Crafton Tull**
Certificate of Authorization
#109 Expires: 12/31/2025

901 North 47th Street – Suite 400 | Rogers, AR | 479.636.4838 | www.craftontull.com

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Tables

Appendices

1.0 Introduction

The proposed project area (an industrial park construction) is located on gently sloping to moderately sloping topography west of North Cedar Street and immediately south of Arrow Drive in Morrilton, Conway County, Arkansas. A field reconnaissance and desktop analysis of the project area was conducted by Crafton Tull regarding the potential occurrence of federally listed threatened and endangered species. The field reconnaissance confirmed the presence of an upland, moderately sloping hillside and hilltop that was dominated by maple and cedar trees in the northern portion of project area. The southwestern portion of the project area supported low-lying emergent wetland areas. No federally listed species were observed during the reconnaissance; however, suitable habitat was observed that could indicate the potential presence of a few species.

2.0 Findings

Crafton Tull conducted an onsite, visual reconnaissance of the approximately 38-acre project area regarding the presence of federally listed species and/or the presence of potential habitat to support federally listed species on March 20, 2025. In addition, U.S. Fish and Wildlife Services' Information for Planning and Consultation (IPaC) website was utilized to determine species known to reasonably occur near or within the project area. The table below identifies those species provided by IPaC and addresses their potential occurrence within the project area.

Table 1. Federally listed species

Species	Federal Status	Habitat Available in Project Area?	Likely Impacted by project?
Indiana Bat (*Myotis sodalis)*	Endangered	Yes - suitable summer roost habitat is present within project area.	Unlikely impacted
Tricolored Bat (*Perimyotis subflavus)*	Proposed Endangered	Yes – potential foraging and summer roosting habitat.	Possibly
Eastern Black Rail (*Laterallus jamaicensis ssp. jamaicensis*)	Threatened	No. Suitable habitat lacking in project area.	No
Piping Plover (*Charadrius melodus*)	Threatened	No. Suitable habitat lacking in project area.	No
Rufa Red Knot (*Calidris canutus rufa*)	Threatened	No. Lack of suitable habitat.	No
Alligator snapping turtle (*Macroclemys temmickii*)	Proposed Threatened	No. Lack of suitable habitat.	No
Monarch Butterfly (*Danaus plexippus)*	Proposed Threatened	Poor habitat, species could occur as transient.	No

Two federally listed bat species were identified that potentially occur within the project area and/or could potentially be impacted by project activities. These species are specifically addressed below.

Indiana bat – This species utilizes underground hibernacula in winter months (caves and similar features), however, in mid-spring it leaves the hibernacula and uses suitable trees for roosting (especially trees with exfoliating bark). It prefers riparian areas and semi-open (woodland) habitats to forage. There is no known hibernaculum near the project area. There are little to no stands of mature woodlands; there are some individual trees with loose/exfoliating bark within the project area along the west and southwest, there is a potential for foraging and roosting by this species. If suitable roost trees were removed during the bat's inactive period (when in hibernacula), it is unlikely the species would be impacted by project activities. The period of roughly early to mid-November through mid-March is generally assumed to be this species' inactive period, therefore, removal of suitable roost trees should be conducted during that timeframe, if possible.

Tricolored bat – This species has been proposed for listing as endangered as it has experienced a dramatic population drop throughout most of its range (due primarily to white-nose syndrome), although in Arkansas its population is relatively stable, and it is relatively common (Natureserve lists the species as Secure in Arkansas). This species also utilizes caves and abandoned mines during winter months, emerging in spring to utilize suitable trees for summer roosts. The project area supports suitable habitat for this species, and it possibly can occur within the project area. Project activities such as tree removal (even during the species' summer active period) would unlikely cause jeopardy to this species. However, similar to the previous two species, to avoid adverse impacts to tricolored bat, tree removal during the November to March timeframe is recommended.

3.0 Summary

Based on the onsite reconnaissance and desktop evaluation, the two bat species identified in the paragraphs above are the only federally listed species that would possibly be adversely impacted by the proposed project. Of the two species identified, tricolored bat is most likely to occur within the project area. This species has not yet been listed as endangered, and as previously mentioned, project activities would not cause jeopardy to this species. The remaining species listed as endangered and therefore it would be illegal to cause "take" to these species. It is possible, although highly unlikely, that removing suitable roost trees during active periods (late March – late October) could result in direct take to Indiana bat and the tricolored bat. Again, that potential is very low due to both their unlikely occurrence within the project area and the unlikely potential that a single tree would be removed at the time that an individual bat is roosting. However, to avoid potential take and reduce overall impacts to the listed bat species, it is suggested that tree cover is removed during the inactive period, which is generally mid-November through mid-March.

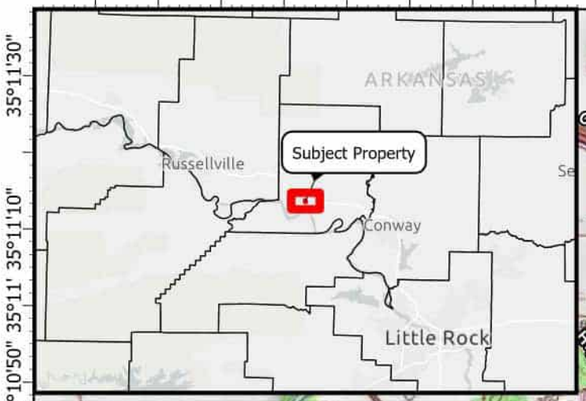
4.0 References

NatureServe. 2025. NatureServe Explorer – *Perimyotis subflavus* (Tricolored bat). https://explorer.natureserve.org/Taxon/ELEMENT_GLOBAL.2.102580/Perimyotis_subflavus

U.S. Fish and Wildlife Service. 2025. Information for Planning and Consultation (IPaC). https://ipac.ecosphere.fws.gov/

APPENDIX A

Figures and Exhibits



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35°11'30" 35°11'10" 35°11' 35°10'50" 35°10'30" 35°10'10" 35°9'50" 35°9'40" 35°9'30" 35°9'20" 35°9'10" 35°9' 35°8'50"

Crafton Tull
901 N. 47th Street, Suite 400, Rogers, AR 72756
479.636.4838 t 479.631.6224 f

MAY HOPE MOOSE
CEDAR STREET/ARROW DRIVE
MORRILTON, AR
T&E ASSESSMENT
CT Prj #: PROJECT # 25102600

Figure 1

USGS Topographic Map

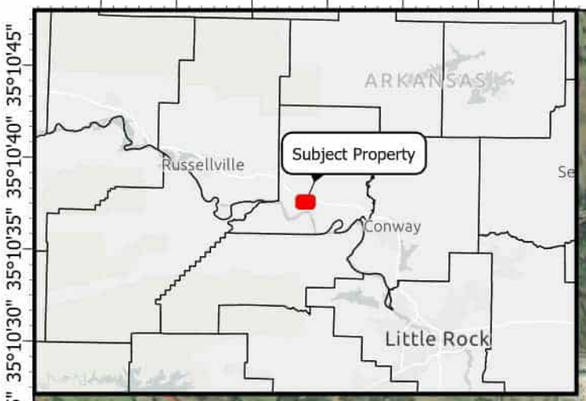
T6 N R17 W

\\rogfile\Jobfiles\25102600_MayHope\ENVIRONMENTAL\GIS - May Hope Moose Ph1 ESA\GIS - May Hope Moose Ph1 ESA

Map Center Co-ordiantes: 92°45'21"W 35°10'12"N

USGS Topographic Quadrangle:

Date Exported - 3/26/2025 2:00 PM [ah5328]



Spatial ReferenceName: NAD 1983 StatePlane Arkansas North FIPS 0301 Feet

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35°10'45" 35°10'40" 35°10'35" 35°10'30" 35°10'25" 35°10'20" 35°10'15" 35°10'10" 35°10'5" 35°9'55" 35°9'50" 35°9'45" 35°9'40" 35°9'35"

Monastery Ridge Rd
Kamper Ln
Oak St
Poor Farm Rd
Arrow Dr
University
Parkway Ave
Highway 64
N Country Rd
Fairway Dr
Smith St
Mallory St
Henry St
Winfrey St
Meadow Lynn Rd
N Cedar St
Oak St
Poor Farm Rd
Morrilton Country Club
W Broadway St
N 3rd St
N 4th St
5th St
S 1st St
Grant St
Strait St
Lee Dr
N Griffin St
N Morrill St
N Division St
E Harding St
E Drillin
W Childress St
95
40
64
113

LEGEND

- Subject Property
- 0.5 Mile Buffer
- 1 Mile Buffer
- 1 Mile Buffer

N

Feet

0 500 900 1,000 2,000

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MAY HOPE MOOSE
CEDAR STREET/ARROW DRIVE
MORRILTON, AR
T&E ASSESSMENT

CT Prj #: PROJECT # 25102600

Figure 2

Aerial Imagery

\\rogfile\Jobfiles\25102600_MayHope\ENVIRONMENTAL\GIS - May Hope Moose Ph1 ESA\GIS - May Hope Moose Ph1 ESA

Map Center Co-ordiantes: 92°45'21"W 35°10'12"N

USGS Topographic Quadrangle:

Date Exported - 3/26/2025 1:56 PM [ah5328]


Crafton Tull

April 7, 2025

Wetlands and Waters of the U.S. Delineation Report – Pursuant to Section 404 of the Clean Water Act
May Hope Moose Site | Morrilton, AR

Prepared for:
Burns & McDonnell Engineering
6576 Lych's Prairie Cove, Suite B
Springdale, AR 72762

CT JOB NO. 25102600

Prepared by **Crafton Tull**
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List of Tables

Appendices

1.0 Introduction

Burns & McDonnell Engineering (the client) has retained Crafton Tull to identify and delineate the boundaries of potentially jurisdictional aquatic resources within a subject property in Morrilton, Conway County, Arkansas. Crafton Tull performed a field investigation of the proposed project area on March 27, 2025.

The US Army Corps of Engineers (USACE) allows consultants to prepare Section 404 delineations, but they are considered preliminary until approved by USACE. The predicted jurisdictional status of delineated features is offered based on best professional judgment. Upon the client's request, Crafton Tull may submit this delineation report to USACE for jurisdictional determination.

1.1 Project Location

The project area is located south of Arrow Drive and west of North Cedar Street in Morrilton, Conway County (Figure 1). Legal description of the study area is parts of Section 12 and 13, Township 6 North, Range 17 West. The approximate geographic center of the project area is 35.16895°, -92.75610°. The project area is located in the Overcup Creek (12-digit HUC 111102030205) sub-watershed within the Lake Conway-Point Remove (8-digit HUC 11110203) watershed. There are no mapped FEMA floodplains or flood zones in the project area (Figure 2).

1.2 Ecological Setting

The project area consists of approximately 38.5 acres of generally upland improved grass pasture communities in the East and Central Farming and Forest Region (118A), a subset of the Arkansas Valley and Ridges, Eastern Part (118) (USEPA 2023). This area is generally described as gently sloping.

1.3 General Site Description

The project area and immediately surrounding parcels support sparse residential developments and mixed commercial use. Ecological communities within the project area consist of upland improved grass pasture, forested areas, and freshwater emergent wetlands. Overall, the project area is largely upland, supporting varied slopes. Nine wetlands, two ponds, one ephemeral channel, and one non-seasonal intermittent channel, which generally flow east and southwest, respectively, were observed within the project area (Appendix C).

1.4 Weather Conditions

Antecedent Precipitation Tool data from the area over the previous 30 days indicated average rainfall of 2.19 observed inches at the referenced weather stations. When averaged with the 90-day period (including January and February), this precipitation level is considered 'incipient drought' but still falls within the 'normal conditions' range for the 30-year average during the wet season. Figure 3 provides a detailed summary of climatic data for the project area.

2.0 Wetlands and Waters Delineation

2.1 Materials and Methods

Crafton Tull conducted a level 3, routine wetland delineation as described in the USACE Wetlands Delineation Manual (USACE, 1987) and the Regional Supplement to the Corps Wetland Delineation Manual: Eastern Mountains and Piedmont (Version 2.0) (USACE, 2012).

Sixteen (16) sampling point locations were selected based on onsite conditions, remote sensing data, aerial photography, and relative geomorphic position.

Edwin B. Smith's 'Keys to the Flora of Arkansas' and Ogle, Witsell, and Gentry's 'Trees, Shrubs, and Woody Vines of Arkansas' were used to confirm certain plant identifications. The 2022 National Wetland Plant List (USACE 2022) was used to determine the wetland indicator status for the dominant species. Soil pits were dug with a sharpshooter shovel to a depth of approximately 16 to 18 inches, where possible, and soil colors were determined with the aid of Munsell color charts. Soil survey data from Conway County (NRCS WSS) was used to determine map units for the area (Figure 4). Additionally, National Hydrography Dataset (NHD) and National Wetland Inventory (NWI) map layers were referenced to identify the locations of mapped aquatic resources (Figure 5).

3.0 Findings and Results

3.1 Wetlands

Nine (9) wetlands (Wet1, Wet2, Wet3, Wet4, Wet5, Wet6, Wet7, Wet8, and Wet9) were identified within the project area (Figure 6). This site has been heavily manipulated and many of these wetlands would not exist if not for large, geomorphological disturbances of the project area.

Hydrology for Wet1, Wet2, and Wet3 appears to be fed by surface runoff and swales flowing eastward through the project area, which become entrapped by natural geomorphic, depressional features. A man-made pond to the west of Wet1, offsite of the project area, is likely feeding additional hydrological input via a seep.

Hydrology for Wet4 was likely fed by surface flow during precipitation and input from stormwater infrastructure offsite. Wet4 is a narrow forested wetland that in the past, may have potentially flowed into a decommissioned fish hatchery northwest of the project area.

Wetlands Wet5 and Wet6 appear to reside along the remnant ditches of an abandoned, gravel bottom roadway associated with a decommissioned horse racing track, that passed through the property in the past. This abandoned roadway has been intercepted by a new, unnamed, paved road connecting Arrow Drive and North Cedar Street. Hydrology for Wet5 and Wet6 is the result of discharge from stormwater infrastructure to the west of the project area along Winfrey Street (represented as channel S2), and sheet flow from the surrounding landscape. These hydrologic sources become impounded by remnant ditches on

each side of the abandoned roadway and culverts associated with the new, unnamed road. Wet5 is uninterrupted along its length, whereas Wet6 is directed into a culvert for approximately eight (8) feet to accommodate an unimproved road crossing. A broad wetland swale connects with Wet6 at its impoundment along the new, unnamed road.

Hydrology for Wet7 is the result of seepage from Pond1 as it becomes impounded by the berm of the abandoned roadway to the north.

Hydrology for Wet8 is the result of sheet flow from slopes to the south and east of the project area, which flow generally west into a depressional area in the southwest portion of the project area. This wetland (Wet8) channelizes at its western boundary to form a channel (S1), which appeared to support non-seasonal intermittent flow and is likely not a relatively permanent water (RPW).

Hydrology for Wet9 is the result of sheet flow from the slopes in the southern portion of the project area. This wetland (Wet9) eventually flows into channel S1, which meanders offsite to the west.

No wetlands identified during the field observations appeared to have a visible connection to potentially regulated features. Table 1 provides details of the wetland identified within the project area, while Table 2 provides a detailed summary of wetland status across all sample sites.

Table 1: Wetlands Within the Project Area

Name	Likely Jurisdictional Status*	Size (acres)	Nearest Relatively Permanent Water (RPW) (linear feet)	Wetland Type
Wet1	Not likely jurisdictional	1.45	1,736	Palustrine Emergent
Wet2	Not likely jurisdictional	0.85	1,802	Palustrine Emergent
Wet3	Not likely jurisdictional	0.07	2,681	Palustrine Emergent
Wet4	Not likely jurisdictional	0.10	2,597	Palustrine Emergent
Wet5	Not likely jurisdictional	0.23	1,768	Palustrine Emergent
Wet6	Not likely jurisdictional	0.62	1,770	Palustrine Emergent
Wet7	Not likely jurisdictional	0.09	1,940	Palustrine Emergent
Wet8	Not likely jurisdictional	0.94	3,548	Palustrine Emergent
Wet9	Not likely jurisdictional	0.18	3,467	Palustrine Emergent
Potentially Jurisdictional Wetland Total: 0.0 acres				

**Jurisdictional status is subject to U.S. Army Corps of Engineers approval.*

Table 2: Sample Site Summary

Sample Site	Wetland Hydrology?	Hydrophytic Vegetation?	Hydric Soils?	Wetland Criteria Met?
01	Yes	Yes	Yes	Yes
02	No	No	No	No
03	Yes	Yes	Yes	Yes
04	Yes	Yes	Yes	Yes
05	Yes	Yes	Yes	Yes
06	No	No	No	No
07	Yes	Yes	Yes	Yes
08	Yes	Yes	Yes	Yes
09	No	No	No	No
10	Yes	Yes	Yes	Yes
11	No	No	Yes	No
12	Yes	Yes	Yes	Yes
13	Yes	No	Yes	No
14	Yes	Yes	Yes	Yes
15	No	No	No	No
16	Yes	Yes	Yes	Yes

3.1.1 Hydrology

Wetland hydrology indicators were identified within the project area at Sample Site Nos. 01, 03, 04, 05, 07, 08, 10, 12, 13, 14, and 16. Wetland hydrology indicators include surface water, high water table, oxidized rhizospheres, and saturation. Secondary indicators of wetland hydrology include geomorphic position, drainage patterns, sparsely vegetated concave surface, stunted or stressed plants, and crayfish burrows.

3.1.2 Vegetation

Plant communities consisted of an upland improved grass pasture community dominated by Bermuda grass (*Cynodon dactylon*) and broomsedge (*Andropogon virginicus*); forests dominated by winged elm (*Ulmus alata*) and red maple (*Acer saccharinum*); and freshwater emergent wetlands dominated by velvet panicum (*Dichanthelium scoparium)* and lamp rush (*Juncus effusus*). Positive indicators of hydrophytic vegetation were observed at Sample Site Nos. 01, 03, 04, 05, 07, 08, 10, 12, 14, and 16.

3.1.3 Project Area Soils

Soils within the project area consisted largely of non-hydric, well to moderately well drained loams with hydric inclusions. The Leadvale silt loam (13) 1-3% slopes map unit makes up the largest percentage (32.8%) of the project area. Spatial data and other information regarding soils were obtained via the Natural Resources Conservation Service (NRCS) Web Soil Survey (WSS) for Conway County. A portion of the soils data is represented as water from a pond that has since been drained and filled. Positive indicators of hydric soils were observed at Sample Site Nos. 01, 03, 04, 05, 07, 08, 10, 11, 12, 13, 14, and 16. Table 3

provides a summary of the mapped soils in the project study area. A map depicting soil map units comprising the site is provided in Figure 4.

Table 3: Soils within the Project Area

Soil Name (Symbol)	Slope	Hydric Rating	Drainage Class	Geomorphic Position	Percent of Study Area
Leadvale silt loam (13)	1-3%	No*	Moderately well drained	Stream terraces	32.8%
Linker fine sandy loam (16)	3-8%	No	Well drained	Hills, mountains	26.5%
Mountainburg gravelly fine sandy loam (22)	3-8%	No	Well drained	Hillslopes	22.3%
Mountainburg stony fine sandy loam (22)	12-40%	No	Well drained	Hillslopes	7.6%
Guthrie silt loam (12)	0-2%	Yes	Poorly drained	Flood plains	6.6%
Water (38)	-	-	-	-	2.8%
Taft silt loam (34)	0-2%	No*	Somewhat poorly drained	Stream terraces	1.4%

*Supports hydric inclusions

3.2 Ponds and Lakes

Two (2) ponds (Pond1 and Pond2) were identified within the project area (Figure 6). Both of these ponds were constructed in uplands and hydrology for both is likely the result of the retention of surface runoff resulting from direct precipitation. Neither Pond1 nor Pond2 displayed a visible connection to an RPW and therefore, neither Pond1 nor Pond2 would likely be regulated under Section 404 of the Clean Water Act (CWA). Table 4 provides a detailed summary of ponds within the project area.

Table 4: Ponds Within the Project Area

Name	Likely Jurisdictional Status*	Size (acres)	Type
Pond1	Likely Non-jurisdictional	0.23 ac	Pond
Pond2	Likely Non-jurisdictional	0.04 ac	Pond
Potentially Jurisdictional Pond Total: 0.0 acres			

**Jurisdictional status is subject to U.S. Army Corps of Engineers approval.*

3.3 Streams and Drainages

Two (2) channels (S1 and S2) were identified in the project area (Figure 6). Both channels S1 and S2 appeared to be non-RPWs and would therefore not likely be regulated under Section 404 of the CWA. Channel S1 flows from east to west in the southwestern corner of the project area as it leaves Wet8. It flows for approximately 204 linear feet within the project area before discharging offsite to the west. This channel (S1) appeared to support non-seasonal intermittent flow and does not appear to have a discernible

connection to likely jurisdictional features offsite. Channel S2, an ephemeral channel, flows west to east for approximately 25 linear feet from stormwater discharge along Winfrey Street just west of the project area. Table 5 provides a detailed summary of the channels within the project area.

Table 5: Streams and Drainages within the Project Area

Name	Type	Substrate	RPW*	OHWM Width	OHWM Depth	Length (Linear Feet)
S1	Intermittent	Vegetation, Silt	No	2 ft 4 in	11 in	204
S2	Ephemeral	Vegetation, Silt	No	-	-	25
*Likely Jurisdictional Stream Total: 0.0 linear feet						

**Jurisdictional status is subject to U.S. Army Corps of Engineers approval.*

4.0 Conclusions

Crafton Tull investigated the project area for potential WOTUS that would be considered jurisdictional under Section 404 of the CWA. Field observations did not identify any features that would be considered likely jurisdictional within the project area.

5.0 References

U.S. Army Corps of Engineers Headquarters. 2023, February 13. 13 February 2024 – Final 2022 National Wetland Plant List is available. https://www.usace.army.mil/Media/Announcements/Article/3679433/13-february-2024-final-2022-national-wetland-plant-list-is-available/.

Moore, D. M., and J. E. Grant. 2007. Trees of Arkansas. Arkansas Forestry Commission, Little Rock, AR.

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Ogle, J., T. Witsell, and J. L. Gentry. 2022. Trees, shrubs, and Woody Vines of Arkansas. Ozark Society Foundation, Alexander, AR.

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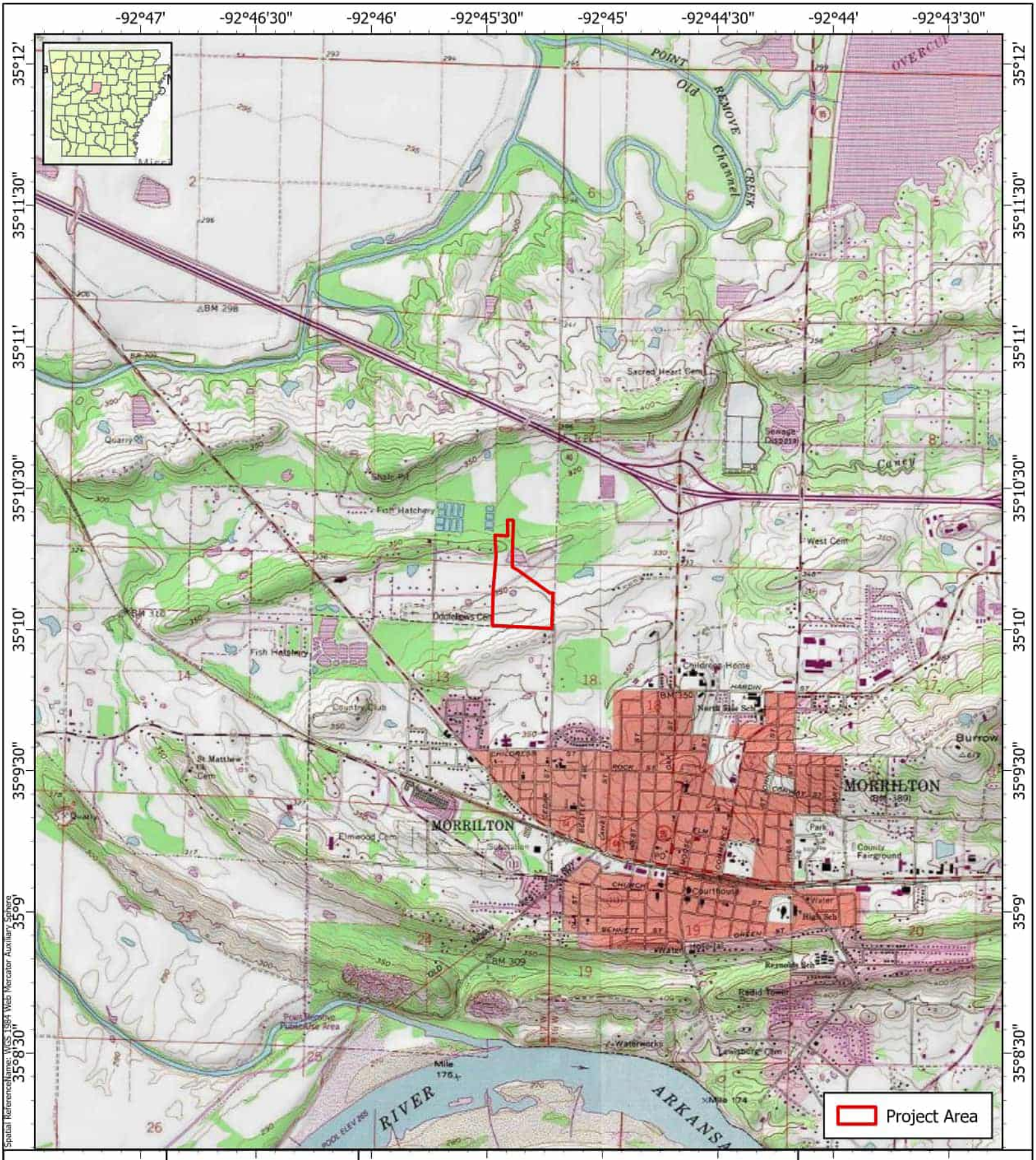
APPENDIX A

Figures and Exhibits



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479.636.4928 T 479.631.6214 F

May Hope Moose Site

CT Prj #: 25102600

Figure 1

Project Location & USGS Topographic Quadrangle

N

Miles
0 0.5 1

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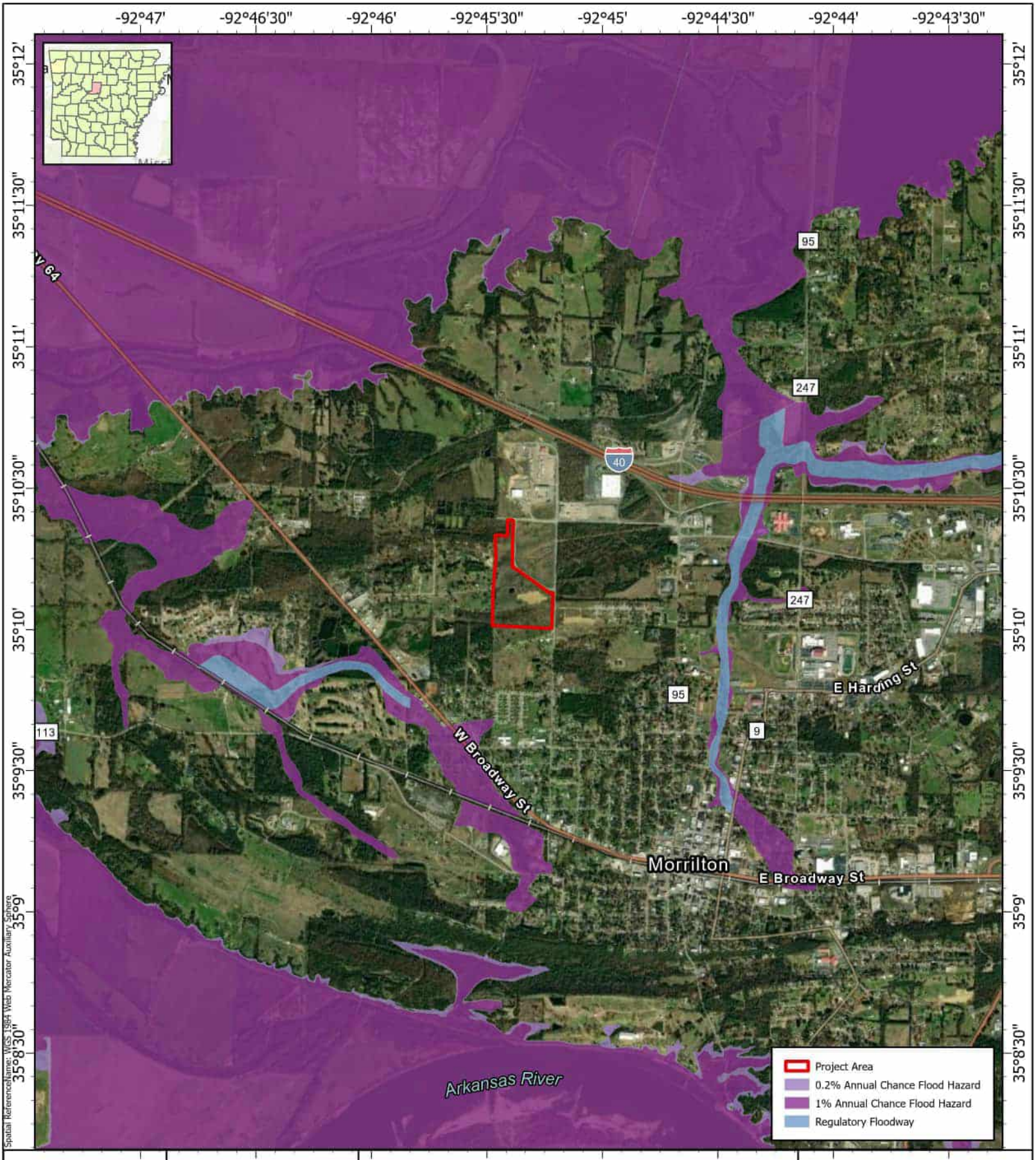

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May Hope Moose Site

CT Prj #: 25102600

Figure 2

FEMA
National Flood Hazard Layer

N

Miles

0 | 0.5 | 1

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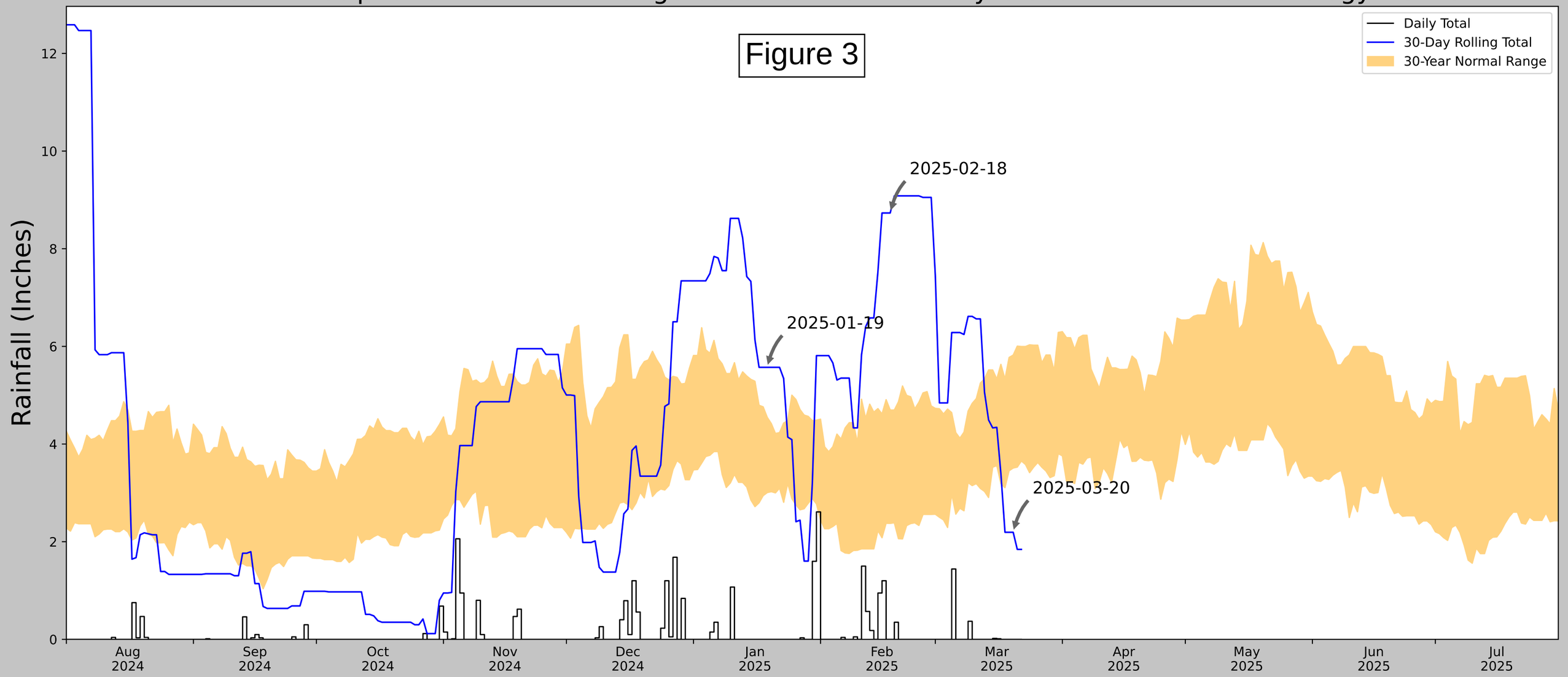
Antecedent Precipitation vs Normal Range based on NOAA's Daily Global Historical Climatology Network



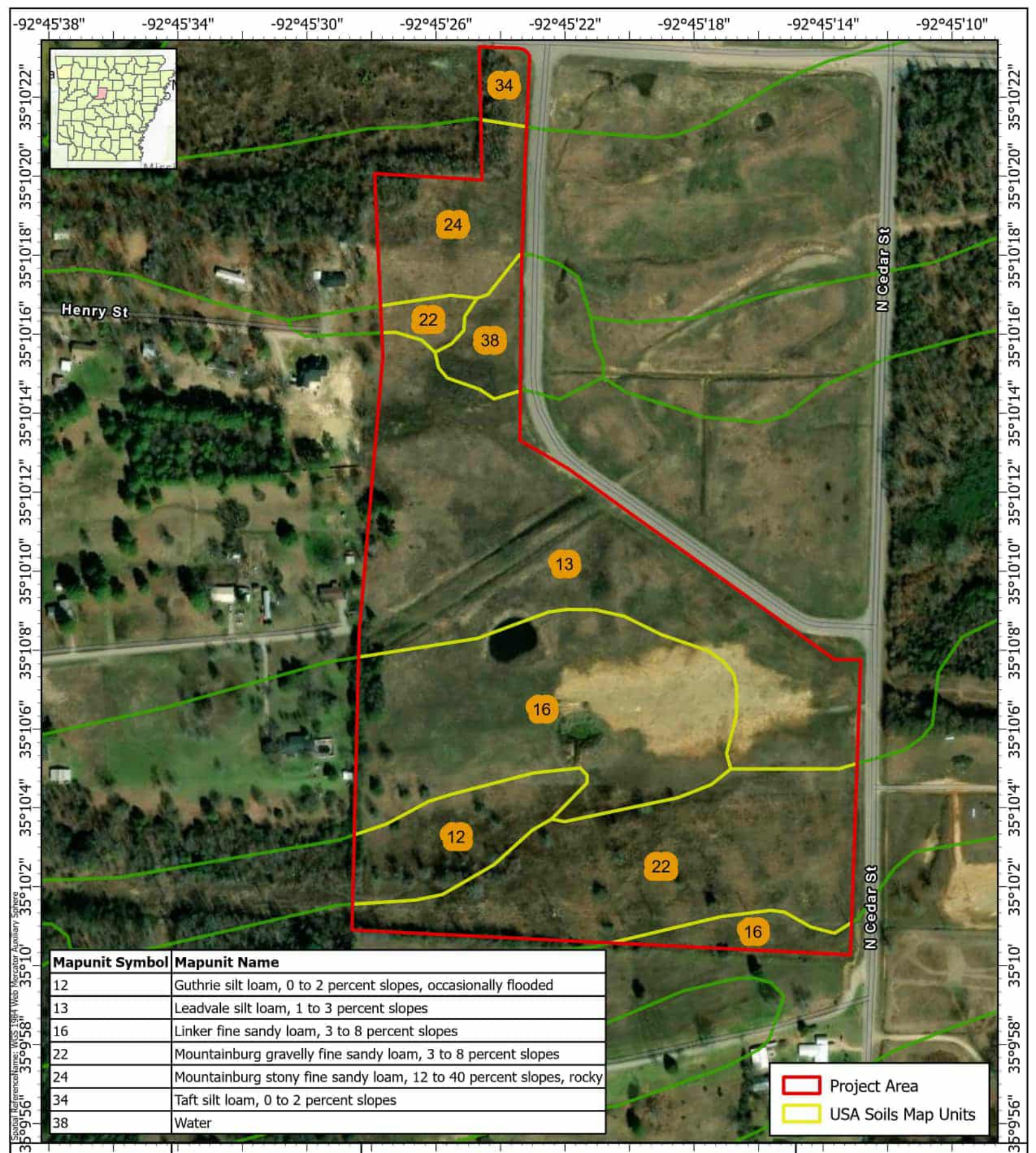
Coordinates	35.1703781, -92.7570541
Observation Date	2025-03-20
Elevation (ft)	344.484
Drought Index (PDSI)	Incipient drought (2025-02)
WebWIMP H_2O Balance	Wet Season

30 Days Ending	30^{th} %ile (in)	70^{th} %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-03-20	3.508268	5.822047	2.192913	Dry	1	3	3
2025-02-18	2.375197	4.696457	8.732284	Wet	3	2	6
2025-01-19	3.005512	4.547244	5.570866	Wet	3	1	3
Result							Normal Conditions - 12

Figure and tables made by the
Antecedent Precipitation Tool
Version 1.0

Written by Jason Deters
U.S. Army Corps of Engineers

Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
MORRILTON	35.1581, -92.7672	339.895	1.024	4.589	0.465	11281	90
MORRILTON 0.5 SW	35.1518, -92.7481	358.924	1.163	19.029	0.545	7	0
MORRILTON 2.7 NE	35.1856, -92.7091	348.097	3.792	8.202	1.738	1	0
PLUMERVILLE 0.5 ESE	35.1577, -92.634	280.84	7.524	59.055	3.83	22	0
PERRY	35.0442, -92.7956	299.869	8.032	40.026	3.936	37	0
HATTIEVILLE 5 NW	35.3383, -92.8492	339.895	13.283	0.0	5.977	4	0
CONWAY	35.1033, -92.4903	312.008	16.099	27.887	7.694	1	0



Mapunit Symbol	Mapunit Name
12	Guthrie silt loam, 0 to 2 percent slopes, occasionally flooded
13	Leadvale silt loam, 1 to 3 percent slopes
16	Linker fine sandy loam, 3 to 8 percent slopes
22	Mountainburg gravelly fine sandy loam, 3 to 8 percent slopes
24	Mountainburg stony fine sandy loam, 12 to 40 percent slopes, rocky
34	Taft silt loam, 0 to 2 percent slopes
38	Water

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May Hope Moose Site

CT Prj #: 25102600

Figure 4

USGS Soils Map Units

N

Feet
0 300 600

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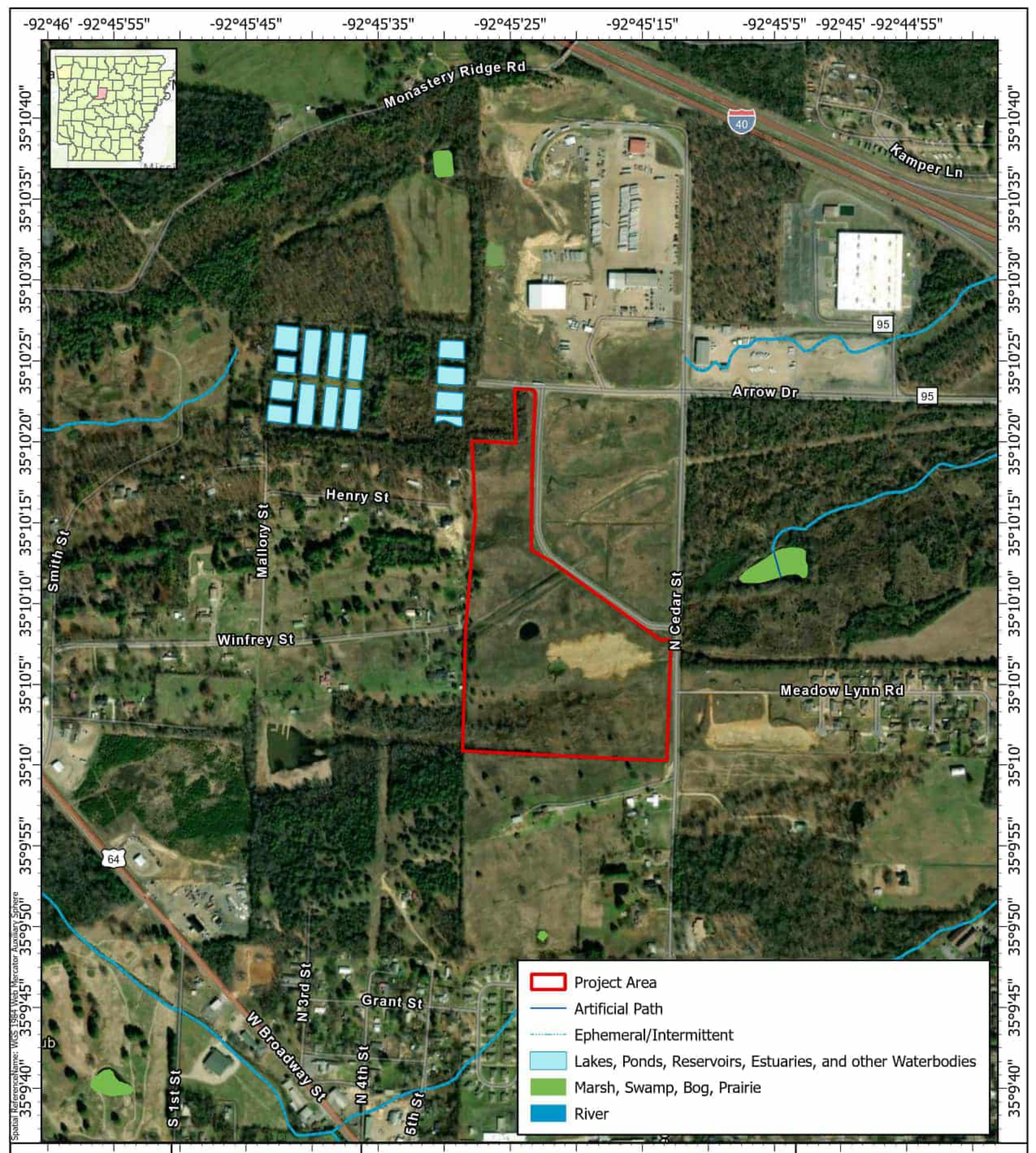

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May Hope Moose Site

CT Prj #: 25102600

Figure 5

National Wetlands Inventory & National Hydrography Dataset

N

Feet
0 800 2,000

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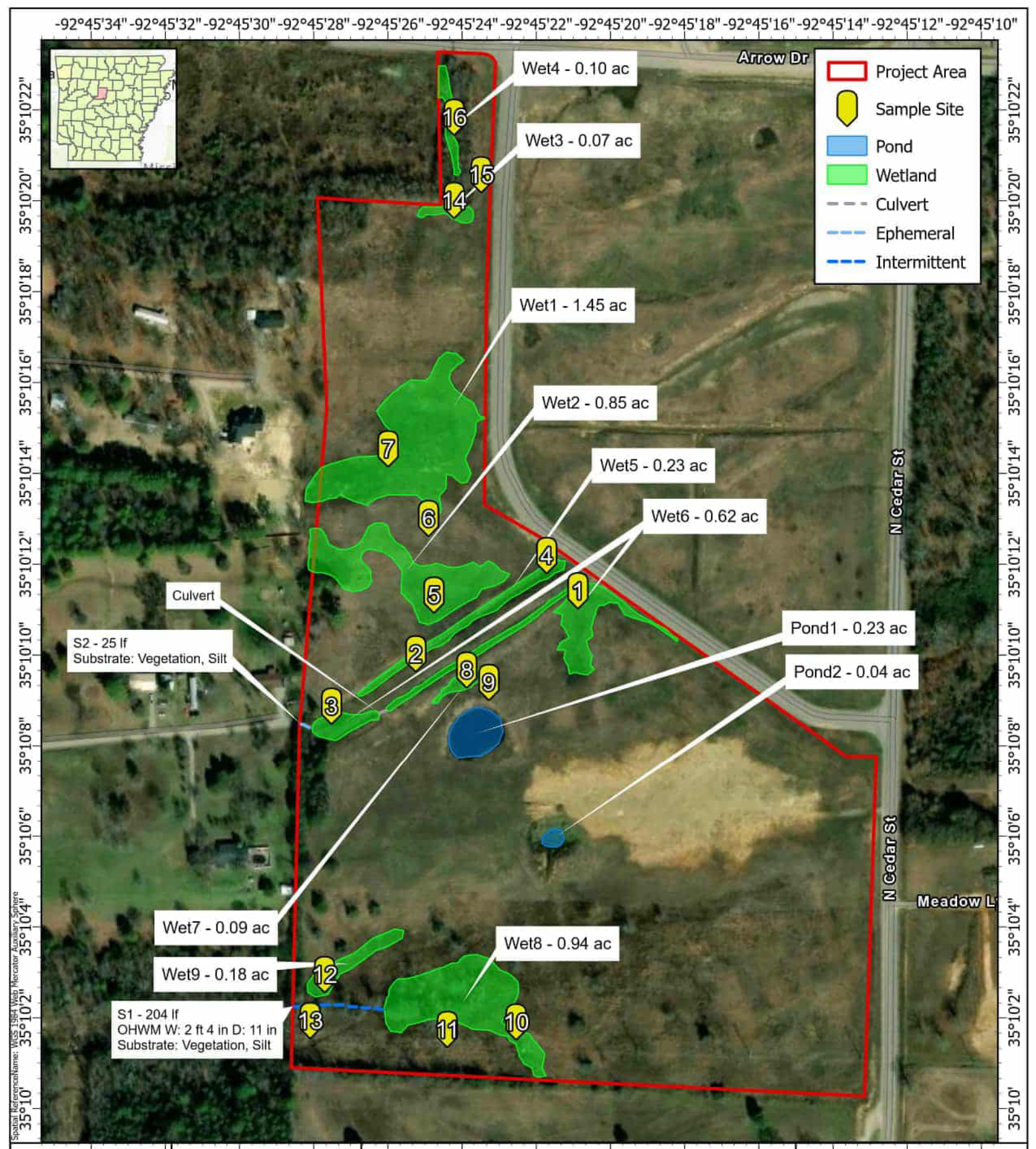

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CT Prj #: 25102600

May Hope Moose Site

Figure 6

WOTUS Exhibit

N

Feet

0 300 600

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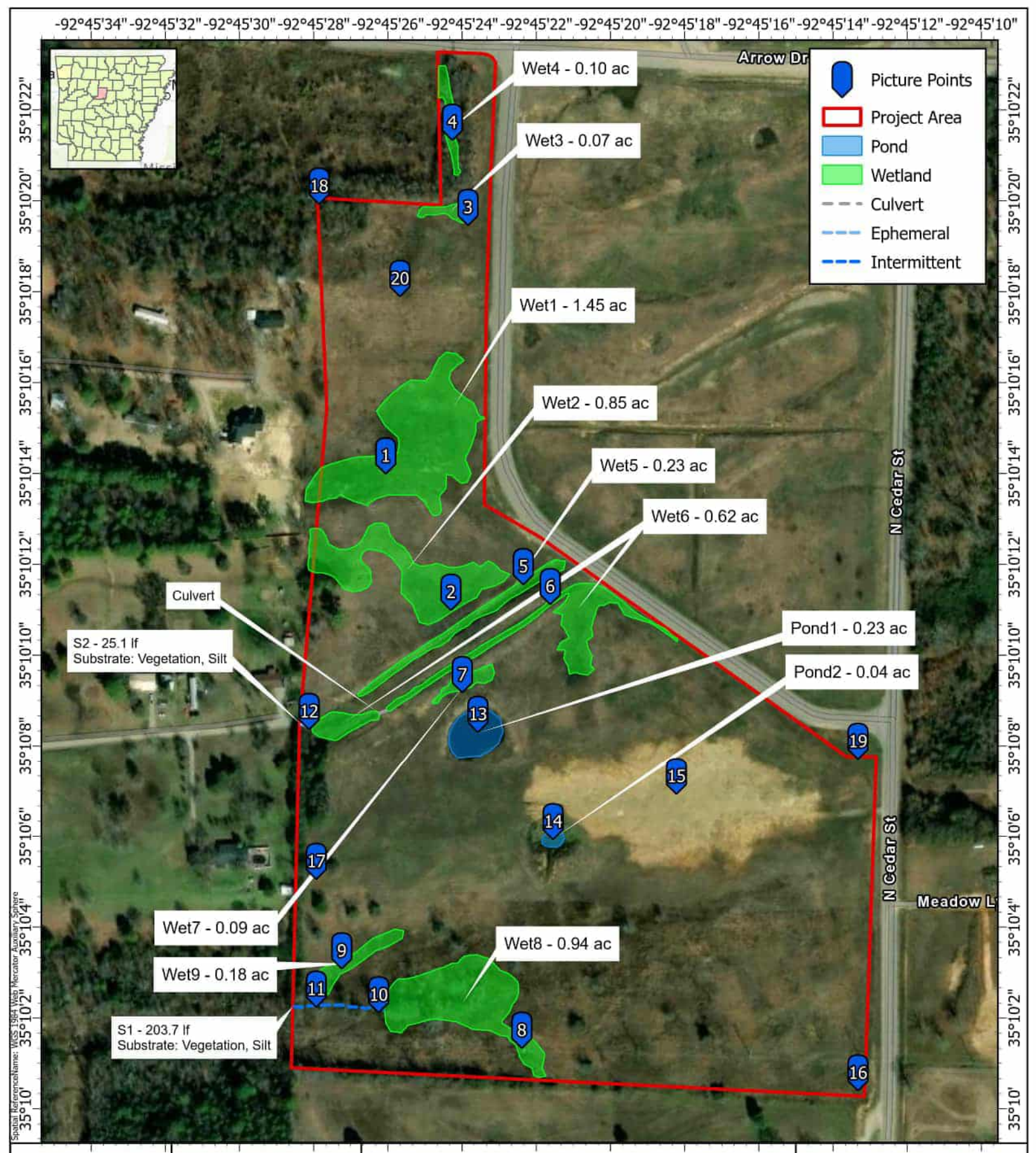
APPENDIX B

Site Photographs



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CT Prj #: 25102600

May Hope Moose Site

Picture Point Locations

N

Feet

0 300 600

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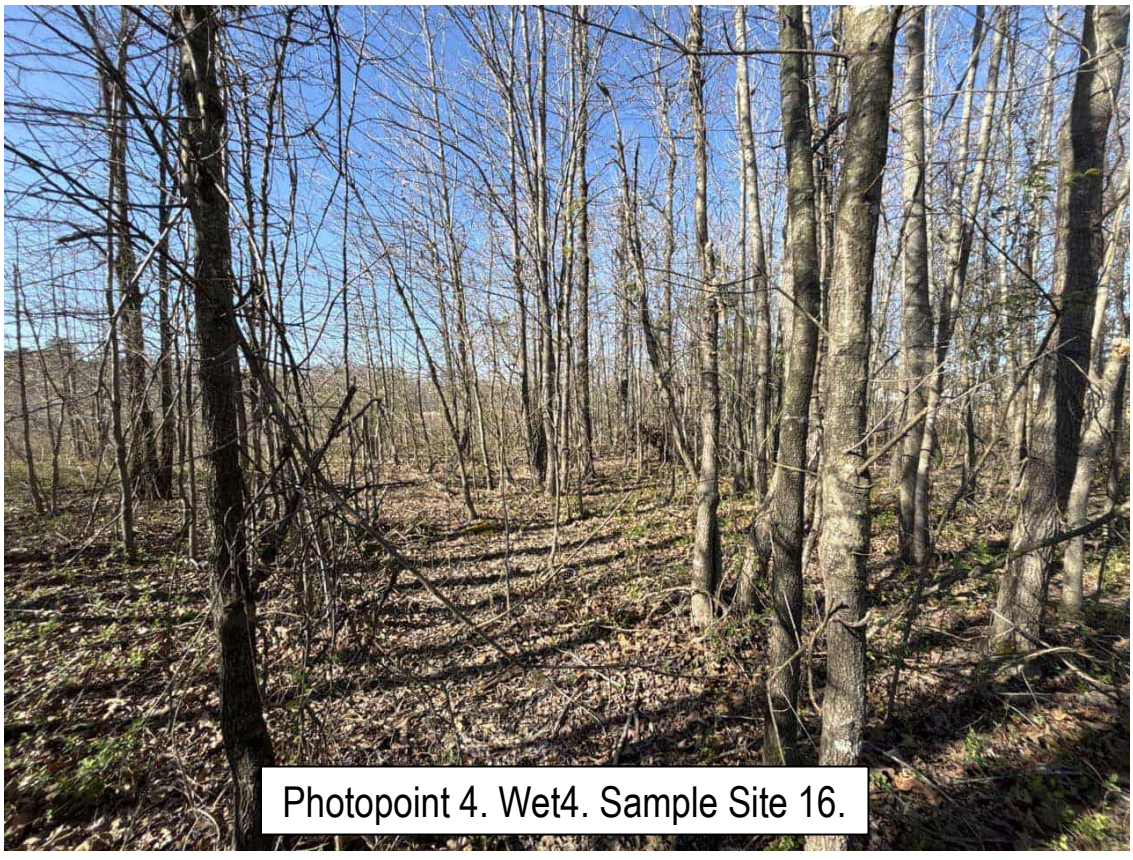
Photopoint 1. Wet1. Sample Site 7.

Photopoint 2. Wet2. Sample Site 5.

Photopoint 3. Wet3. Sample Site 14.



Photopoint 4. Wet4. Sample Site 16.

Photopoint 5. Wet5. Sample Site 4.

Photopoint 6. Wet6. Sample Site 1.

Photopoint 6. Wet6. Sample Site 1.

Photopoint 7. Wet7. Sample Site 8.

Photopoint 8. Wet8. Sample Site 10.

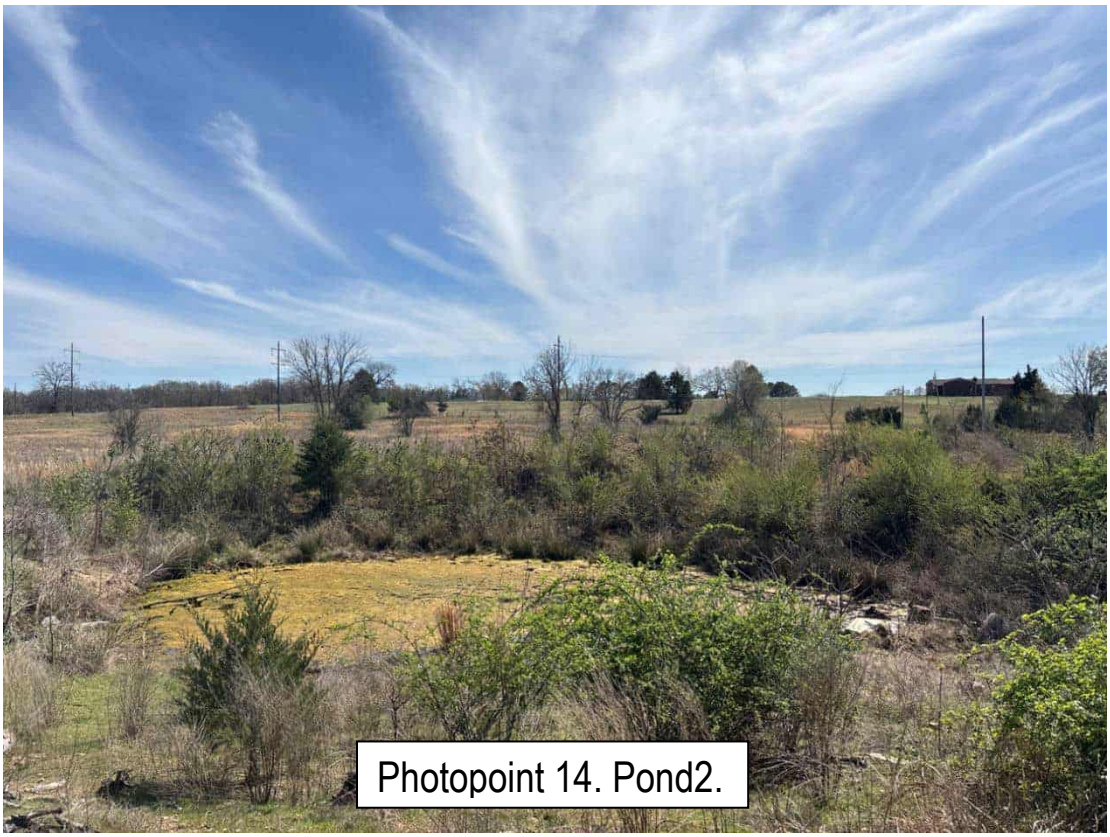
Photopoint 9. Wet9. Datapoint 12.

Photopoint 10. Origin of S1 as it leaves Wet8.

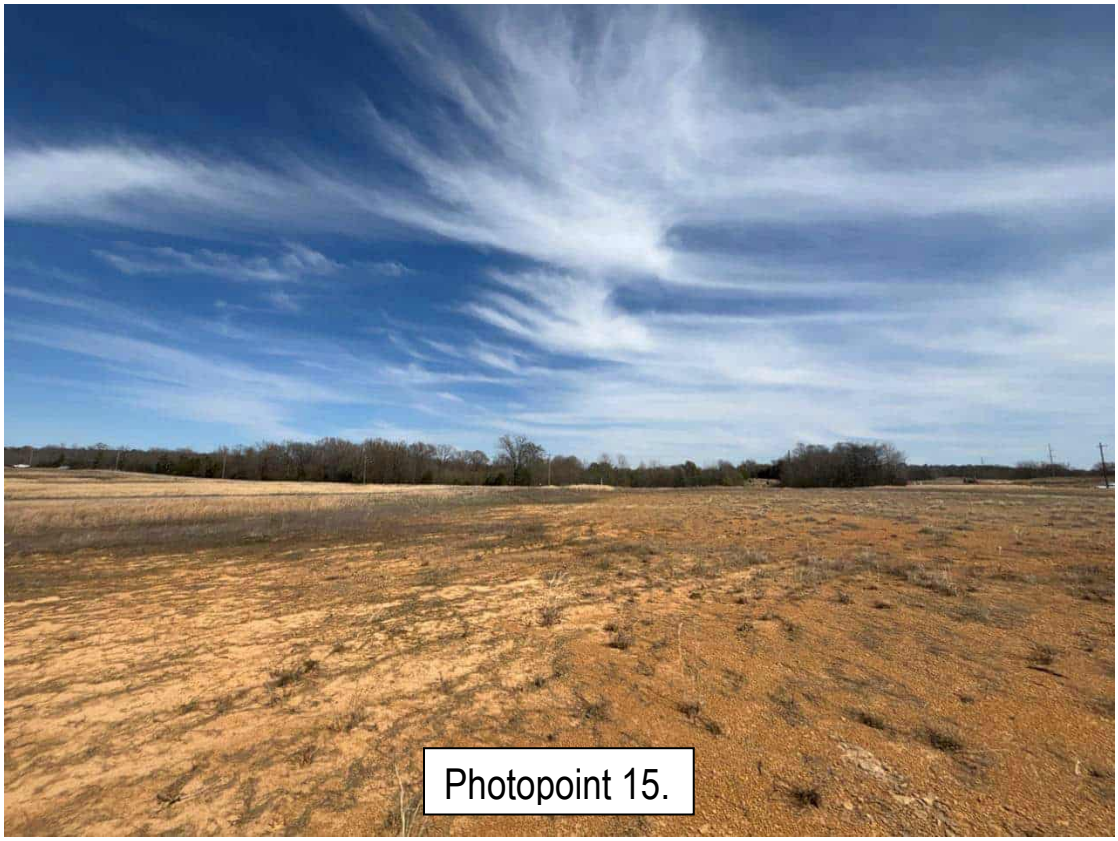
Photopoint 11. S1 at the western property boundary.

Photopoint 12. S2. Wet6.

Photopoint 13. Pond1.



Photopoint 14. Pond2.



Photopoint 15.

Photopoint 16.

Photopoint 17. Wet9 is visible in the background.

Photopoint 18.

Photopoint 19.

Photopoint 20.

APPENDIX C

Data Forms

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: May Hope Moose City/County: Morrilton, Conway Sampling Date: 20 Mar, 2025

Applicant/Owner: Conway County Economic Development Corporation State: AR Sampling Point: 1

Investigator(s): Boone Ruston Section, Township, Range: S13, T6 North, R17 West

Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 0-1%

Subregion (LRR or MLRA): 118a Lat: 35.1697316 Long: -92.7557985 Datum: WGS84

Soil Map Unit Name: Leadvale silt loam, 1-3% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✔	No _____	**Is the Sampled Area within a Wetland?** **Yes ✔** **No _____**
Hydric Soil Present?	Yes ✔	No _____	
Wetland Hydrology Present?	Yes ✔	No _____	

Remarks:
Meets all three wetland criteria.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ✔ Surface Water (A1)
- ✔ High Water Table (A2)
- ✔ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ✔ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ✔ Hydrogen Sulfide Odor (C1)
- ✔ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ✔ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✔ Geomorphic Position (D2)
- ✔ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ✔	No _____	Depth (inches): 2
Water Table Present?	Yes ✔	No _____	Depth (inches): 0
Saturation Present? (includes capillary fringe)	Yes ✔	No _____	Depth (inches): 0

Wetland Hydrology Present? Yes ✔ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Meets criteria for wetland hydrology.

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 1

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Sapling/Shrub Stratum (Plot size: 15)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Herb Stratum (Plot size: 5)			
1. Juncus effusus	25	Y	FACW
2. Hydrolea ovata	25	Y	OBL
3. Juncus scirpoides	20	N	FACW
4. Carex sp.	15	N	N/A
5. Pluchea camphorata	10	N	FACW
6. Andropogon virginicus	10	N	FACU
7.			
8.			
9.			
10.			
11.			
	105 = Total Cover		
50% of total cover: 52.5	20% of total cover: 21		
Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species		x 1 =	0
FACW species		x 2 =	0
FAC species		x 3 =	0
FACU species		x 4 =	0
UPL species		x 5 =	0
Column Totals:	0 (A)		0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ✔ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ✔ **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)

Meets criteria for hydrophytic vegetation.

SOIL Sampling Point: 1

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 6/2	95	10YR 6/8	5	C	PL	SiL	
4-9	10YR 6/2	90	10YR 6/8	8	C	M	SiL	
			10YR 2/2	2	C	M	SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ✔ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock/gravel/shale

Depth (inches): 9

Hydric Soil Present? **Yes** ✔ **No** ___

Remarks:

Meets criteria for hydric soils.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: May Hope Moose City/County: Morrilton, Conway Sampling Date: 20 Mar, 2025

Applicant/Owner: Conway County Economic Development Corporation State: AR Sampling Point: 2

Investigator(s): Boone Ruston Section, Township, Range: S13, T6 North, R17 West

Landform (hillslope, terrace, etc.): Bench Local relief (concave, convex, none): Convex Slope (%): 0-1%

Subregion (LRR or MLRA): 118a Lat: 35.1693452 Long: -92.7570225 Datum: WGS84

Soil Map Unit Name: Leadvale silt loam, 1-3% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✔	**Is the Sampled Area within a Wetland?** **Yes** _____ **No** ✔
Hydric Soil Present?	Yes _____	No ✔	
Wetland Hydrology Present?	Yes _____	No ✔	

Remarks:
Does not meet all three wetland criteria.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✔

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Does not meet criteria for wetland hydrology.

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 2

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Sapling/Shrub Stratum (Plot size: 15)			
1. Ulmus alata	5	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	5 = Total Cover		
50% of total cover: 2.5	20% of total cover: 1		
Herb Stratum (Plot size: 5)			
1. Andropogon virginicus	40	Y	FACU
2. Cynodon dactylon	25	Y	FACU
3. Rubus allegheniensis	25	Y	FACU
4. Smilax bona-nox	15	N	FACU
5. Dichanthelium scoparium	5	N	FACW
6.			
7.			
8.			
9.			
10.			
11.			
	110 = Total Cover		
50% of total cover: 55	20% of total cover: 22		
Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 = 0
FACW species	x 2 = 0
FAC species	x 3 = 0
FACU species	x 4 = 0
UPL species	x 5 = 0
Column Totals: 0 (A)	0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ___ No ✔

Remarks: (Include photo numbers here or on a separate sheet.)

Does not meet criteria for hydrophytic vegetation.

SOIL Sampling Point: 2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-6	10YR 4/3	95	10YR 5/8	3	C	M	SiL	
			10YR 6/8	2	C	M	SiL	
6-9	10YR 4/4	96	10YR 3/2	4	C	M	SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock/shale

Depth (inches): 9

Hydric Soil Present? **Yes** ___ **No** ✔

Remarks:

Does not meet criteria for hydric soils.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: May Hope Moose City/County: Morrilton, Conway Sampling Date: 20 Mar, 2025

Applicant/Owner: Conway County Economic Development Corporation State: AR Sampling Point: 3

Investigator(s): Boone Ruston Section, Township, Range: S13, T6 North, R17 West

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0-1%

Subregion (LRR or MLRA): 118a Lat: 35.1690278 Long: -92.7576471 Datum: WGS84

Soil Map Unit Name: Linker fine sandy loam, 3-8% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✔	No _____	**Is the Sampled Area within a Wetland?** **Yes ✔** **No _____**
Hydric Soil Present?	Yes ✔	No _____	
Wetland Hydrology Present?	Yes ✔	No _____	

Remarks:
Meets all three wetland criteria.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ✔ Surface Water (A1)
- ✔ High Water Table (A2)
- ✔ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ✔ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ✔ Hydrogen Sulfide Odor (C1)
- ✔ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ✔ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✔ Geomorphic Position (D2)
- ✔ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ✔	No _____	Depth (inches): 1
Water Table Present?	Yes ✔	No _____	Depth (inches): 0
Saturation Present? (includes capillary fringe)	Yes ✔	No _____	Depth (inches): 0

Wetland Hydrology Present? Yes ✔ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Meets criteria for wetland hydrology.

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 3

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Sapling/Shrub Stratum (Plot size: 15)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Herb Stratum (Plot size: 5)			
1. Dichanthelium scoparium	25	Y	FACW
2. Coreopsis tinctoria	25	Y	FAC
3. Tridens strictus	25	Y	FACW
4. Juncus scirpoides	20	N	FACW
5. Carex sp.	10	N	N/A
6.			
7.			
8.			
9.			
10.			
11.			
	105 = Total Cover		
50% of total cover: 52.5	20% of total cover: 21		
Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species		x 1 =	0
FACW species		x 2 =	0
FAC species		x 3 =	0
FACU species		x 4 =	0
UPL species		x 5 =	0
Column Totals:	0 (A)		0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ✔ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ✔ **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)

Meets criteria for hydrophytic vegetation.

SOIL Sampling Point: 3

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 6/2	90	10YR 6/8	6	C	PL	SiL	
			10YR 3/2	4	C	M	SiL	
4-10	10YR 6/2	95	10YR 3/2	5	C	M	SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ✔ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ✔ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock/shale

Depth (inches): 10

Hydric Soil Present? **Yes** ✔ **No** ___

Remarks:

Meets criteria for hydric soils.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: May Hope Moose City/County: Morrilton, Conway Sampling Date: 20 Mar, 2025

Applicant/Owner: Conway County Economic Development Corporation State: AR Sampling Point: 4

Investigator(s): Boone Ruston Section, Township, Range: S13, T6 North, R17 West

Landform (hillslope, terrace, etc.): Linear depression Local relief (concave, convex, none): Concave Slope (%): 0-1%

Subregion (LRR or MLRA): 118a Lat: 35.1699504 Long: -92.7560327 Datum: WGS84

Soil Map Unit Name: Leadvale silt loam, 1-3% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✔	No _____	**Is the Sampled Area within a Wetland?** **Yes ✔ No _____**
Hydric Soil Present?	Yes ✔	No _____	
Wetland Hydrology Present?	Yes ✔	No _____	

Remarks:
Meets all three wetland criteria.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ✔ Surface Water (A1)
- ✔ High Water Table (A2)
- ✔ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ✔ Hydrogen Sulfide Odor (C1)
- ✔ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ✔ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ✔ Stunted or Stressed Plants (D1)
- ✔ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✔ No _____ Depth (inches): 2

Water Table Present? Yes ✔ No _____ Depth (inches): 0

Saturation Present? (includes capillary fringe) Yes ✔ No _____ Depth (inches): 0

Wetland Hydrology Present? Yes ✔ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Meets criteria for wetland hydrology.

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 4

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Sapling/Shrub Stratum (Plot size: 15)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Herb Stratum (Plot size: 5)			
1. Hydrolea ovata	40	Y	OBL
2. Juncus scirpoides	25	Y	FACW
3. Tridens strictus	25	Y	FACW
4. Dichanthelium scoparium	15	N	FACW
5. Carex sp.	5	N	N/A
6.			
7.			
8.			
9.			
10.			
11.			
	110 = Total Cover		
50% of total cover: 55	20% of total cover: 22		
Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 = 0
FACW species	x 2 = 0
FAC species	x 3 = 0
FACU species	x 4 = 0
UPL species	x 5 = 0
Column Totals: 0 (A)	0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ✔ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ✔ **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)

Meets criteria for hydrophytic vegetation.

SOIL Sampling Point: 4

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-3	10YR 6/2	95	10YR 6/8	5	C	PL	SiL	
3-8	10YR 6/2	92	10YR 6/8	5	C	M	SiL	
			10YR 3/2	3	C	M	SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ✔ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ✔ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock/shale

Depth (inches): 8

Hydric Soil Present? **Yes** ✔ **No** ___

Remarks:

Meets criteria for hydric soils.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: May Hope Moose City/County: Morrilton, Conway Sampling Date: 20 Mar, 2025

Applicant/Owner: Conway County Economic Development Corporation State: AR Sampling Point: 5

Investigator(s): Boone Ruston Section, Township, Range: S13, T6 North, R17 West

Landform (hillslope, terrace, etc.): Broad swale Local relief (concave, convex, none): Concave Slope (%): 0-1%

Subregion (LRR or MLRA): 118a Lat: 35.1697085 Long: -92.7568773 Datum: WGS84

Soil Map Unit Name: Leadvale silt loam, 1-3% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✔	No _____	**Is the Sampled Area within a Wetland?** **Yes ✔ No _____**
Hydric Soil Present?	Yes ✔	No _____	
Wetland Hydrology Present?	Yes ✔	No _____	

Remarks:
Meets all three wetland criteria.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ✔ High Water Table (A2)
- ✔ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ✔ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ✔ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ✔ Stunted or Stressed Plants (D1)
- ✔ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ✔	Depth (inches): _____
Water Table Present?	Yes ✔	No _____	Depth (inches): 8
Saturation Present? (includes capillary fringe)	Yes ✔	No _____	Depth (inches): 6

Wetland Hydrology Present? Yes ✔ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Meets criteria for wetland hydrology.

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 5

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Sapling/Shrub Stratum (Plot size: 15)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Herb Stratum (Plot size: 5)			
1. Rumex crispus	25	Y	FAC
2. Coreopsis tinctoria	25	Y	FAC
3. Tridens strictus	25	Y	FACW
4. Dichanthelium scoparium	20	N	FACW
5. Carex sp.	10	N	N/A
6.			
7.			
8.			
9.			
10.			
11.			
	105 = Total Cover		
50% of total cover: 52.5	20% of total cover: 21		
Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 = 0
FACW species	x 2 = 0
FAC species	x 3 = 0
FACU species	x 4 = 0
UPL species	x 5 = 0
Column Totals: 0 (A)	0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ✔ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ✔ **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)

Meets criteria for hydrophytic vegetation.

SOIL Sampling Point: 5

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-3	10YR 4/2	95	7.5YR 5/8	3	C	PL	SiL	
			10YR 6/6	2	C	M	SiL	
3-12	10YR 4/4	95	7.5YR 5/8	3	C	PL	SiL	
			10YR 3/2	2	C	M	SiL	
12-18	10YR 6/6	95	10YR 3/2	5	C	M	SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ✔ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✔ **No** ___

Remarks:

Meets criteria for hydric soils.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: May Hope Moose City/County: Morrilton, Conway Sampling Date: 20 Mar, 2025

Applicant/Owner: Conway County Economic Development Corporation State: AR Sampling Point: 6

Investigator(s): Boone Ruston Section, Township, Range: S12, T6 North, R17 West

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): Convex Slope (%): 1-2%

Subregion (LRR or MLRA): 118a Lat: 35.1701770 Long: -92.7569182 Datum: WGS84

Soil Map Unit Name: Leadvale silt loam, 1-3% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✔	**Is the Sampled Area within a Wetland?** **Yes** _____ **No** ✔
Hydric Soil Present?	Yes _____	No ✔	
Wetland Hydrology Present?	Yes _____	No ✔	

Remarks:
Does not meet all three wetland criteria.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ✔ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✔

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Does not meet criteria for wetland hydrology.

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 6

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Sapling/Shrub Stratum (Plot size: 15)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Herb Stratum (Plot size: 5)			
1. Andropogon virginicus	30	Y	FACU
2. Lolium perenne	25	Y	FACU
3. Rubus allegheniensis	15	N	FACU
4. Vernonia missurica	15	N	FACU
5. Packera plattensis	15	N	FACU
6.			
7.			
8.			
9.			
10.			
11.			
	100 = Total Cover		
50% of total cover: 50	20% of total cover: 20		
Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 = 0
FACW species	x 2 = 0
FAC species	x 3 = 0
FACU species	x 4 = 0
UPL species	x 5 = 0
Column Totals: 0 (A)	0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✔

Remarks: (Include photo numbers here or on a separate sheet.)

Does not meet criteria for hydrophytic vegetation.

SOIL Sampling Point: 6

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-5	10YR 4/4	100					SiL	
5-12	10YR 4/4	95	10YR 3/2	5	C	M	SiL	
	•							

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 12

Hydric Soil Present? **Yes** ___ **No** ✔

Remarks:

Does not meet criteria for hydric soils.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: May Hope Moose City/County: Morrilton, Conway Sampling Date: 20 Mar, 2025

Applicant/Owner: Conway County Economic Development Corporation State: AR Sampling Point: 7

Investigator(s): Boone Ruston Section, Township, Range: S12, T6 North, R17 West

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 0-1%

Subregion (LRR or MLRA): 118a Lat: 35.1706023 Long: -92.7572203 Datum: WGS84

Soil Map Unit Name: Leadvale silt loam, 1-3% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✔	No _____	**Is the Sampled Area within a Wetland?** **Yes ✔** **No _____**
Hydric Soil Present?	Yes ✔	No _____	
Wetland Hydrology Present?	Yes ✔	No _____	

Remarks:
Meets all three wetland criteria.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ✔ Surface Water (A1)
- ✔ High Water Table (A2)
- ✔ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ✔ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ✔ Hydrogen Sulfide Odor (C1)
- ✔ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ✔ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ✔ Stunted or Stressed Plants (D1)
- ✔ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ✔	No _____	Depth (inches): 1
Water Table Present?	Yes ✔	No _____	Depth (inches): 0
Saturation Present? (includes capillary fringe)	Yes ✔	No _____	Depth (inches): 0

Wetland Hydrology Present? Yes ✔ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Meets criteria for wetland hydrology.

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 7

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Sapling/Shrub Stratum (Plot size: 15)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Herb Stratum (Plot size: 5)			
1. Coreopsis tinctoria	30	Y	FAC
2. Dichanthelium scoparium	25	Y	FACW
3. Tridens strictus	20	N	FACW
4. Rumex crispus	20	N	FAC
5. Juncus sp.	10	N	N/A
6. Carex sp.	10	N	N/A
7.			
8.			
9.			
10.			
11.			
	115 = Total Cover		
50% of total cover: 57.5	20% of total cover: 23		
Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 = 0
FACW species	x 2 = 0
FAC species	x 3 = 0
FACU species	x 4 = 0
UPL species	x 5 = 0
Column Totals: 0 (A)	0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ✔ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ✔ **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)

Meets criteria for hydrophytic vegetation.

SOIL Sampling Point: 7

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-3	10YR 6/2	92	10YR 5/6	5	C	PL	SiL	
			10YR 6/6	3	C	M	SiL	
3-12	10YR 6/4	92	10YR 5/6	5	C	PL	SiL	
			10YR 6/6	3	C	M	SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ✔ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ✔ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Rock

Depth (inches): 12

Hydric Soil Present? Yes ✔ **No** ___

Remarks:

Meets criteria for hydric soils.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: May Hope Moose City/County: Morrilton, Conway Sampling Date: 20 Mar, 2025

Applicant/Owner: Conway County Economic Development Corporation State: AR Sampling Point: 8

Investigator(s): Boone Ruston Section, Township, Range: S13, T6 North, R17 West

Landform (hillslope, terrace, etc.): Seep Local relief (concave, convex, none): Concave Slope (%): 0-1%

Subregion (LRR or MLRA): 118a Lat: 35.1692501 Long: -92.7566314 Datum: WGS84

Soil Map Unit Name: Leadvale silt loam, 1-3% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✔	No _____	**Is the Sampled Area within a Wetland?** **Yes ✔** **No _____**
Hydric Soil Present?	Yes ✔	No _____	
Wetland Hydrology Present?	Yes ✔	No _____	

Remarks:
Meets all three wetland criteria.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ✔ Surface Water (A1)
- ✔ High Water Table (A2)
- ✔ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ✔ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ✔ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ✔ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present? Yes ✔ No _____ Depth (inches): 1

Water Table Present? Yes ✔ No _____ Depth (inches): 0

Saturation Present? (includes capillary fringe) Yes ✔ No _____ Depth (inches): 0

Wetland Hydrology Present? Yes ✔ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Meets criteria for wetland hydrology.

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 8

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Sapling/Shrub Stratum (Plot size: 15)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Herb Stratum (Plot size: 5)			
1. Dichanthelium scoparium	50	Y	FACW
2. Coreopsis tinctoria	30	Y	FAC
3. Pluchea camphorata	15	N	FACW
4. Hydrolea ovata	10	N	OBL
5. Carex sp.	5	N	N/A
6.			
7.			
8.			
9.			
10.			
11.			
	110 = Total Cover		
50% of total cover: 55	20% of total cover: 22		
Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 = 0
FACW species	x 2 = 0
FAC species	x 3 = 0
FACU species	x 4 = 0
UPL species	x 5 = 0
Column Totals: 0 (A)	0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ✔ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ✔ **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)

Meets criteria for hydrophytic vegetation.

SOIL Sampling Point: 8

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 4/2	96	10YR 5/8	2	C	PL	SiL	
			10YR 3/2	2	C	PL	SiL	
4-12	10YR 4/4	95	10YR 5/8	5	C	PL	SiL	
12-18	10YR 5/8	100					SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ✔ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✔ **No** ___

Remarks:

Meets criteria for hydric soils.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: May Hope Moose City/County: Morrilton, Conway Sampling Date: 20 Mar, 2025

Applicant/Owner: Conway County Economic Development Corporation State: AR Sampling Point: 9

Investigator(s): Boone Ruston Section, Township, Range: S13, T6 North, R17 West

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): None Slope (%): 2-3%

Subregion (LRR or MLRA): 118a Lat: 35.1691744 Long: -92.7564657 Datum: WGS84

Soil Map Unit Name: Leadvale silt loam, 1-3% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✔	**Is the Sampled Area within a Wetland?** **Yes** _____ **No** ✔
Hydric Soil Present?	Yes _____	No ✔	
Wetland Hydrology Present?	Yes _____	No ✔	

Remarks:
Does not meet all three wetland criteria.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ✔ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✔

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Does not meet criteria for wetland hydrology.

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 9

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Sapling/Shrub Stratum (Plot size: 15)			
1. Ligustrum sinense	5	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	5 = Total Cover		
50% of total cover: 2.5	20% of total cover: 1		
Herb Stratum (Plot size: 5)			
1. Andropogon virginicus	50	Y	FACU
2. Packera plattensis	20	Y	FACU
3. Lolium perenne	20	Y	FACU
4. Cynodon dactylon	10	N	FACU
5.			
6.			
7.			
8.			
9.			
10.			
11.			
	100 = Total Cover		
50% of total cover: 50	20% of total cover: 20		
Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 = 0
FACW species	x 2 = 0
FAC species	x 3 = 0
FACU species	x 4 = 0
UPL species	x 5 = 0
Column Totals: 0 (A)	0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ___ No ✔

Remarks: (Include photo numbers here or on a separate sheet.)

Does not meet criteria for hydrophytic vegetation.

SOIL Sampling Point: 9

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-10	10YR 6/4	95	10YR 3/2	5	C	M	SiL	
10-18	10YR 6/4	100					SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✔

Remarks:

Does not meet criteria for hydric soils.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: May Hope Moose City/County: Morrilton, Conway Sampling Date: 20 Mar, 2025

Applicant/Owner: Conway County Economic Development Corporation State: AR Sampling Point: 10

Investigator(s): Boone Ruston Section, Township, Range: S13, T6 North, R17 West

Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 2-3%

Subregion (LRR or MLRA): 118a Lat: 35.1669647 Long: -92.7561054 Datum: WGS84

Soil Map Unit Name: Mountainburg gravelly fine sandy loam, 3-8% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✔	No _____	**Is the Sampled Area within a Wetland?** **Yes ✔ No _____**
Hydric Soil Present?	Yes ✔	No _____	
Wetland Hydrology Present?	Yes ✔	No _____	

Remarks:
Meets all three wetland criteria.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ✔ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ✔ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ✔ Crayfish Burrows (C8)
- ✔ Saturation Visible on Aerial Imagery (C9)
- ✔ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? Yes ✔ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Meets criteria for wetland hydrology.

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 10

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Sapling/Shrub Stratum (Plot size: 15)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Herb Stratum (Plot size: 5)			
1. Dichanthelium scoparium	70	Y	FACW
2. Coreopsis tinctoria	30	Y	FAC
3. Andropogon virginicus	10	N	FACU
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
	110 = Total Cover		
50% of total cover: 55	20% of total cover: 22		
Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 = 0
FACW species	x 2 = 0
FAC species	x 3 = 0
FACU species	x 4 = 0
UPL species	x 5 = 0
Column Totals: 0 (A)	0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ✔ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ✔ **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)

Meets criteria for hydrophytic vegetation.

SOIL Sampling Point: 10

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-3	10YR 4/2	95	10YR 5/8	5	C	PL	SiL	
3-10	10YR 4/4	95	10YR 5/8	3	C	PL	SiL	
			10YR 3/2	2	C	M	SiL	
10-18	10YR 6/4	100					SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ✔ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✔ **No** ___

Remarks:

Meets criteria for hydric soils.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: May Hope Moose City/County: Morrilton, Conway Sampling Date: 20 Mar, 2025

Applicant/Owner: Conway County Economic Development Corporation State: AR Sampling Point: 11

Investigator(s): Boone Ruston Section, Township, Range: S13, T6 North, R17 West

Landform (hillslope, terrace, etc.): Broad upland Local relief (concave, convex, none): None Slope (%): 1-2%

Subregion (LRR or MLRA): 118a Lat: 35.1670483 Long: -92.7567774 Datum: WGS84

Soil Map Unit Name: Mountainburg gravelly fine sandy loam, 3-8% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✔	**Is the Sampled Area within a Wetland?** **Yes** _____ **No** ✔
Hydric Soil Present?	Yes ✔	No _____	
Wetland Hydrology Present?	Yes _____	No ✔	

Remarks:
Does not meet all three wetland criteria.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✔ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✔

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Does not meet criteria for wetland hydrology.

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 11

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ulmus alata	10	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	10 = Total Cover		
50% of total cover: 5	20% of total cover: 2		
Sapling/Shrub Stratum (Plot size: 15)			
1. Ulmus alata	5	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	5 = Total Cover		
50% of total cover: 2.5	20% of total cover: 1		
Herb Stratum (Plot size: 5)			
1. Andropogon virginicus	60	Y	FACU
2. Rubus allegheniensis	25	Y	FACU
3. Dichanthelium scoparium	10	N	FACW
4. Coreopsis tinctoria	5	N	FAC
5.			
6.			
7.			
8.			
9.			
10.			
11.			
	100 = Total Cover		
50% of total cover: 50	20% of total cover: 20		
Woody Vine Stratum (Plot size: 5)			
1. Rosa multiflora	5	Y	FACU
2.			
3.			
4.			
5.			
	5 = Total Cover		
50% of total cover: 2.5	20% of total cover: 1		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 = 0
FACW species	x 2 = 0
FAC species	x 3 = 0
FACU species	x 4 = 0
UPL species	x 5 = 0
Column Totals: 0 (A)	0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✔

Remarks: (Include photo numbers here or on a separate sheet.)

Does not meet criteria for hydrophytic vegetation.

SOIL Sampling Point: 11

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 4/2	90	7.5YR 5/8	10	C	M	SiL	
4-15	10YR 4/4	95	10YR 3/2	5	C	M	SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ✔ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: Compacted gravel

Depth (inches): 15

Hydric Soil Present? **Yes** ✔ **No** ___

Remarks:

Meets criteria for hydric soils.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: May Hope Moose City/County: Morrilton, Conway Sampling Date: 20 Mar, 2025

Applicant/Owner: Conway County Economic Development Corporation State: AR Sampling Point: 12

Investigator(s): Boone Ruston Section, Township, Range: S13, T6 North, R17 West

Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): None Slope (%): 2-3%

Subregion (LRR or MLRA): 118a Lat: 35.167383 Long: -92.7576959 Datum: WGS84

Soil Map Unit Name: Guthrie silt loam, 0-2$ slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✔	No _____	**Is the Sampled Area within a Wetland?** **Yes ✔** **No _____**
Hydric Soil Present?	Yes ✔	No _____	
Wetland Hydrology Present?	Yes ✔	No _____	

Remarks:
Meets all three wetland criteria.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ✔ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ✔ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ✔ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ✔ Saturation Visible on Aerial Imagery (C9)
- ✔ Stunted or Stressed Plants (D1)
- ✔ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? Yes ✔ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Meets criteria for wetland hydrology.

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 12

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Sapling/Shrub Stratum (Plot size: 15)			
1. Ulmus alata	5	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	5 = Total Cover		
50% of total cover: 2.5	20% of total cover: 1		
Herb Stratum (Plot size: 5)			
1. Dichanthelium scoparium	40	Y	FACW
2. Coreopsis tinctoria	30	Y	FAC
3. Tridens strictus	25	Y	FACW
4. Rumex crispus	10	N	FAC
5. Juncus tenuis	10	N	FAC
6.			
7.			
8.			
9.			
10.			
11.			
	115 = Total Cover		
50% of total cover: 57.5	20% of total cover: 23		
Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 4 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 75% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 = 0
FACW species	x 2 = 0
FAC species	x 3 = 0
FACU species	x 4 = 0
UPL species	x 5 = 0
Column Totals: 0 (A)	0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ___ No ✔

Remarks: (Include photo numbers here or on a separate sheet.)

Does not meet criteria for hydrophytic vegetation.

SOIL Sampling Point: 12

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 4/2	95	7.5YR 5/8	5	C	PL	SiL	
4-12	10YR 4/4	90	7.5YR 5/8	5	C	M	SiL	
			10YR 3/2	5	C	M	SiL	
12-18	10YR 6/6	95	10YR 3/2	5	C	M	SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ✔ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✔ **No** ___

Remarks:

Meets criteria for hydric soils.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: May Hope Moose City/County: Morrilton, Conway Sampling Date: 20 Mar, 2025

Applicant/Owner: Conway County Economic Development Corporation State: AR Sampling Point: 13

Investigator(s): Boone Ruston Section, Township, Range: S13, T6 North, R17 West

Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 1-2%

Subregion (LRR or MLRA): 118a Lat: 35.1671018 Long: -92.7578041 Datum: WGS84

Soil Map Unit Name: Guthrie silt loam, 0-2% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✔	**Is the Sampled Area within a Wetland?** **Yes** _____ **No** ✔
Hydric Soil Present?	Yes ✔	No _____	
Wetland Hydrology Present?	Yes ✔	No _____	

Remarks:
Does not meet all three wetland criteria.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ✔ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ✔ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✔ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** ✔ **No** _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Meets criteria for wetland hydrology.

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 13

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Juniperus virginiana	5	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
	5 = Total Cover		
50% of total cover: 2.5	20% of total cover: 1		
Sapling/Shrub Stratum (Plot size: 15)			
1. Ulmus alata	10	Y	FACU
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	10 = Total Cover		
50% of total cover: 5	20% of total cover: 2		
Herb Stratum (Plot size: 5)			
1. Dichanthelium scoparium	25	Y	FACW
2. Andropogon virginicus	25	Y	FACU
3. Vernonia missurica	25	Y	FACU
4. Coreopsis tinctoria	15	N	FAC
5. Symphyotrichum pilosum	10	N	FAC
6. Schedonorus arundinaceus	5	N	FACU
7.			
8.			
9.			
10.			
11.			
	105 = Total Cover		
50% of total cover: 52.5	20% of total cover: 21		
Woody Vine Stratum (Plot size: 5)			
1. Smilax bona-nox	5	Y	FACU
2.			
3.			
4.			
5.			
	5 = Total Cover		
50% of total cover: 2.5	20% of total cover: 1		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 1 (A)

Total Number of Dominant Species Across All Strata: 6 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 16.67% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 = 0
FACW species	x 2 = 0
FAC species	x 3 = 0
FACU species	x 4 = 0
UPL species	x 5 = 0
Column Totals: 0 (A)	0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ____ No ✔

Remarks: (Include photo numbers here or on a separate sheet.)

Does not meet criteria for hydrophytic vegetation.

SOIL Sampling Point: 13

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-2	10YR 4/2	95	7.5YR 5/8	5	C	PL	SiL	
2-8	10YR 4/2	90	7.5YR 5/8	5	C	PL	SiL	
			10YR 3/2	5	C	M	SiL	
8-18	10YR 4/4	95	10YR 6/6	5	C	M	SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ✔ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✔ **No** ___

Remarks:

Meets criteria for hydric soils.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: May Hope Moose City/County: Morrilton, Conway Sampling Date: 20 Mar, 2025

Applicant/Owner: Conway County Economic Development Corporation State: AR Sampling Point: 14

Investigator(s): Boone Ruston Section, Township, Range: S12, T6 North, R17 West

Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave Slope (%): 1-2%

Subregion (LRR or MLRA): 118a Lat: 35.1721668 Long: -92.7567188 Datum: WGS84

Soil Map Unit Name: Mountainburg stony fine sandy loam, 12-40% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✔	No _____	**Is the Sampled Area within a Wetland?** **Yes ✔** **No _____**
Hydric Soil Present?	Yes ✔	No _____	
Wetland Hydrology Present?	Yes ✔	No _____	

Remarks:
Meets all three wetland criteria.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ✔ Surface Water (A1)
- ✔ High Water Table (A2)
- ✔ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ✔ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✔ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes ✔	No _____	Depth (inches): 2
Water Table Present?	Yes ✔	No _____	Depth (inches): .0
Saturation Present? (includes capillary fringe)	Yes ✔	No _____	Depth (inches): .0

Wetland Hydrology Present? Yes ✔ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Meets criteria for wetland hydrology.

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 14

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Sapling/Shrub Stratum (Plot size: 15)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Herb Stratum (Plot size: 5)			
1. Juncus effusus	30	Y	FACW
2. Coreopsis tinctoria	25	Y	FAC
3. Carex sp.	20	N	N/A
4. Dichanthelium scoparium	10	N	FACW
5. Hydrolea ovata	10	N	OBL
6. Tridens strictus	5	N	FACW
7. Andropogon virginicus	5	N	FACU
8.			
9.			
10.			
11.			
	105 = Total Cover		
50% of total cover: 52.5	20% of total cover: 21		
Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 2 (A)

Total Number of Dominant Species Across All Strata: 2 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 100% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species		x 1 =	0
FACW species		x 2 =	0
FAC species		x 3 =	0
FACU species		x 4 =	0
UPL species		x 5 =	0
Column Totals:	0 (A)		0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ✔ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ✔ **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)

Meets criteria for hydrophytic vegetation.

SOIL Sampling Point: 14

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 5/2	95	10YR 6/8	5	C	PL	SiL	
4-11	10YR 5/2	95	10YR 6/8	3	C	PL	SiL	
			10YR 3/2	2	C	M	SiL	
11-18	10YR 7/3	95	10YR 8/8	2	C	M	SiL	
			10YR 3/2	3	C	M	SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ✔ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ✔ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✔ **No** ___

Remarks:

Meets criteria for hydric soils.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: May Hope Moose City/County: Morrilton, Conway Sampling Date: 20 Mar, 2025

Applicant/Owner: Conway County Economic Development Corporation State: AR Sampling Point: 15

Investigator(s): Boone Ruston Section, Township, Range: S12, T6 North, R17 West

Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): None Slope (%): 2-3%

Subregion (LRR or MLRA): 118a Lat: 35.1722786 Long: -92.7565237 Datum: WGS84

Soil Map Unit Name: Mountainburg stony fine sandy loam, 12-40% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes _____	No ✔	**Is the Sampled Area within a Wetland?** **Yes** _____ **No** ✔
Hydric Soil Present?	Yes _____	No ✔	
Wetland Hydrology Present?	Yes _____	No ✔	

Remarks:
Does not meet all three wetland criteria.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ___ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ✔ Stunted or Stressed Plants (D1)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? **Yes** _____ **No** ✔

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Does not meet criteria for wetland hydrology.

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 15

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1.			
2.			
3.			
4.			
5.			
6.			
7.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Sapling/Shrub Stratum (Plot size: 15)			
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		
Herb Stratum (Plot size: 5)			
1. Sorghum halepense	30	Y	FACU
2. Rubus allegheniensis	25	Y	FACU
3. Andropogon virginicus	20	Y	FACU
4. Dichanthelium scoparium	15	N	FACW
5. Coreopsis tinctoria	10	N	FAC
6.			
7.			
8.			
9.			
10.			
11.			
	100 = Total Cover		
50% of total cover: 50	20% of total cover: 20		
Woody Vine Stratum (Plot size: 5)			
1.			
2.			
3.			
4.			
5.			
	0 = Total Cover		
50% of total cover: 0	20% of total cover: 0		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 0 (A)

Total Number of Dominant Species Across All Strata: 3 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 0% (A/B)

Prevalence Index worksheet:

Total % Cover of:	Multiply by:
OBL species	x 1 = 0
FACW species	x 2 = 0
FAC species	x 3 = 0
FACU species	x 4 = 0
UPL species	x 5 = 0
Column Totals: 0 (A)	0 (B)

Prevalence Index = B/A = 0

Hydrophytic Vegetation Indicators:

___ 1 - Rapid Test for Hydrophytic Vegetation

___ 2 - Dominance Test is >50%

___ 3 - Prevalence Index is ≤3.0[1]

___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)

___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? Yes ___ No ✔

Remarks: (Include photo numbers here or on a separate sheet.)

Does not meet criteria for hydrophytic vegetation.

SOIL Sampling Point: 15

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-8	10YR 4/4	100					SiL	
8-18	10YR 4/4	90	10YR 6/6	8	C	M	SiL	
			10YR 3/2	2	C	M	SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? **Yes** _____ **No** ✔

Remarks:

Does not meet criteria for hydric soils.

WETLAND DETERMINATION DATA FORM – Eastern Mountains and Piedmont Region

Project/Site: May Hope Moose City/County: Morrilton, Conway Sampling Date: 20 Mar, 2025

Applicant/Owner: Conway County Economic Development Corporation State: AR Sampling Point: 16

Investigator(s): Boone Ruston Section, Township, Range: S12, T6 North, R17 West

Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 1-2%

Subregion (LRR or MLRA): 118a Lat: 35.1721216 Long: -92.7567262 Datum: WGS84

Soil Map Unit Name: Taft silt loam, 0-2% slopes NWI classification: N/A

Are climatic / hydrologic conditions on the site typical for this time of year? Yes ✔ No _____ (If no, explain in Remarks.)

Are Vegetation _____, Soil _____, or Hydrology _____ significantly disturbed? Are "Normal Circumstances" present? Yes ✔ No _____

Are Vegetation _____, Soil _____, or Hydrology _____ naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present?	Yes ✔	No _____	**Is the Sampled Area within a Wetland?** **Yes ✔** **No _____**
Hydric Soil Present?	Yes ✔	No _____	
Wetland Hydrology Present?	Yes ✔	No _____	

Remarks:
Meets all three wetland criteria.

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ True Aquatic Plants (B14)
- ___ Hydrogen Sulfide Odor (C1)
- ✔ Oxidized Rhizospheres on Living Roots (C3)
- ___ Presence of Reduced Iron (C4)
- ___ Recent Iron Reduction in Tilled Soils (C6)
- ___ Thin Muck Surface (C7)
- ___ Other (Explain in Remarks)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ✔ Sparsely Vegetated Concave Surface (B8)
- ✔ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Stunted or Stressed Plants (D1)
- ✔ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ Microtopographic Relief (D4)
- ___ FAC-Neutral Test (D5)

Field Observations:

Surface Water Present?	Yes _____	No ✔	Depth (inches): _____
Water Table Present?	Yes _____	No ✔	Depth (inches): _____
Saturation Present? (includes capillary fringe)	Yes _____	No ✔	Depth (inches): _____

Wetland Hydrology Present? Yes ✔ No _____

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:
Meets criteria for wetland hydrology.

VEGETATION (Four Strata) – Use scientific names of plants. Sampling Point: 16

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species?	Indicator Status
1. Ulmus rubra	30	Y	FAC
2. Acer saccharinum	25	Y	FACW
3. Acer rubrum	20	Y	FAC
4. Juniperus virginiana	15	N	FACU
5. Prunus serotina	10	N	FACU
6.			
7.			
	100 = Total Cover		
50% of total cover: 50	20% of total cover: 20		
Sapling/Shrub Stratum (Plot size: 15)			
1. Acer rubrum	10	Y	FAC
2. Prunus serotina	10	Y	FACU
3. Acer saccharinum	5	Y	FACW
4.			
5.			
6.			
7.			
8.			
9.			
	25 = Total Cover		
50% of total cover: 12.5	20% of total cover: 5		
Herb Stratum (Plot size: 5)			
1. Carex sp.	8	Y	N/A
2. Rubus allegheniensis	2	Y	FACU
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
	10 = Total Cover		
50% of total cover: 5	20% of total cover: 2		
Woody Vine Stratum (Plot size: 5)			
1. Lonicera japonica	20	Y	FACU
2. Smilax bona-nox	10	Y	FACU
3.			
4.			
5.			
	30 = Total Cover		
50% of total cover: 15	20% of total cover: 6		

Dominance Test worksheet:

Number of Dominant Species That Are OBL, FACW, or FAC: 5 (A)

Total Number of Dominant Species Across All Strata: 9 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 55.56% (A/B)

Prevalence Index worksheet:

Total % Cover of:		Multiply by:	
OBL species	0	x 1 =	0
FACW species	30	x 2 =	60
FAC species	60	x 3 =	180
FACU species	77	x 4 =	308
UPL species		x 5 =	0
Column Totals:	167 (A)		548 (B)

Prevalence Index = B/A = 3.3

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid Test for Hydrophytic Vegetation
- ✔ 2 - Dominance Test is >50%
- ___ 3 - Prevalence Index is ≤3.0[1]
- ___ 4 - Morphological Adaptations[1] (Provide supporting data in Remarks or on a separate sheet)
- ___ Problematic Hydrophytic Vegetation[1] (Explain)

[1]Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

Definitions of Four Vegetation Strata:

Tree – Woody plants, excluding vines, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.

Sapling/Shrub – Woody plants, excluding vines, less than 3 in. DBH and greater than or equal to 3.28 ft (1 m) tall.

Herb – All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.

Woody vine – All woody vines greater than 3.28 ft in height.

Hydrophytic Vegetation Present? **Yes** ✔ **No** ___

Remarks: (Include photo numbers here or on a separate sheet.)

Meets criteria for hydrophytic vegetation.

SOIL Sampling Point: 16

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

Depth (inches)	Matrix Color (moist)	%	Redox Features Color (moist)	%	Type[1]	Loc[2]	Texture	Remarks
0-4	10YR 5/2	94	10YR 3/2	3	C	M	SiL	
			10YR 7/8	3	C	M	SiL	
4-12	10YR 5/4	95	10YR 3/2	5	C	M	SiL	
12-18	10YR 6/4	95	10YR 3/2	3	C	M	SiL	
			10YR 5/8	2	C	M	SiL	

[1]Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains. [2]Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators:

- ___ Histosol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ 2 cm Muck (A10) **(LRR N)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Sandy Mucky Mineral (S1) **(LRR N, MLRA 147, 148)**
- ___ Sandy Gleyed Matrix (S4)
- ___ Sandy Redox (S5)
- ___ Stripped Matrix (S6)
- ___ Dark Surface (S7)
- ___ Polyvalue Below Surface (S8) **(MLRA 147, 148)**
- ___ Thin Dark Surface (S9) **(MLRA 147, 148)**
- ___ Loamy Gleyed Matrix (F2)
- ✔ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Iron-Manganese Masses (F12) **(LRR N, MLRA 136)**
- ___ Umbric Surface (F13) **(MLRA 136, 122)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 148)**
- ___ Red Parent Material (F21) **(MLRA 127, 147)**

Indicators for Problematic Hydric Soils[3]:

- ___ 2 cm Muck (A10) **(MLRA 147)**
- ___ Coast Prairie Redox (A16) **(MLRA 147, 148)**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 136, 147)**
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (Explain in Remarks)

[3]Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ✔ **No** ___

Remarks:

Meets criteria for hydric soils.


Crafton Tull