

June 22, 2026

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Ms. Shelley Short
President & CEO – Arkadelphia Regional Economic Development Alliance & Area Chamber of Commerce
CEO – Economic Development Corporation of Clark County, Arkansas
201 North 26th Street
Arkadelphia, AR 71923

RE: Section 404 Delineation – Transmittal Cover Letter
EDCCC Site 1 – Hwy 67 & 26 – Gum Springs, Clark County, Arkansas
ECCI Project # 5213-3004

Dear Ms. Short:

Please find enclosed the Section 404 delineation report for the EDCCC Site 1 – Hwy 67 & 26 project.

During the delineation, ECCI observed three wetland features (1.01 acre), one ephemeral channel (242 linear feet), and two intermittent channels (363 linear feet).

Federal jurisdiction over surface waters is determined according to the pre-2015 regulatory regime, consistent with the Supreme Court's decision in *Sackett v. EPA* (No. 21-454: May 25, 2023) and subsequent *Memorandum to the Field Between the U.S. Department of the Army, U.S. Army Corp of Engineers, and the U.S. Environmental Protection Agency Concerning the Proper Implementation of "Continuous Surface connection" Under the Definition of "Waters of the United States" Under the Clean Water Act* (March 12, 2025).

The onsite wetland areas and intermittent channels appear to have a continuous surface hydrologic connection to a downstream regulated water, i.e., a mapped tributary to Waggle Creek, and ultimately to the Ouachita River, a Traditionally Navigable Water (TNW).

Based on the Section 404 delineation and in light of the most recent information regarding jurisdiction issued by the United States Army Corps of Engineers (USACE) / Environmental Protection Agency (EPA), it is the opinion of ECCI that the observed onsite wetland areas and intermittent channels will likely be considered jurisdictional under Section 404 of the Clean Water Act (CWA). Projects impacting aquatic features that are jurisdictional under Section 404 of the CWA require authorization from the USACE Regulatory Division. This jurisdictional assessment



is based on feature classification and the continuity of waters of the United States extending from these onsite aquatic features to a TNW.

Based on the Section 404 delineation and in light of the most recent information regarding jurisdiction issued by the USACE / EPA, it is the opinion of ECCI that the ephemeral channel will likely not be considered jurisdictional under Section 404 of the Clean Water Act (CWA). Projects impacting aquatic features that are not jurisdictional under Section 404 of the CWA generally do not require authorization from the USACE Regulatory Division. This jurisdictional assessment is based on the feature type.

These findings are offered based on our best professional judgement and recent informal discussions with USACE personnel. We offer our comments with regard to onsite features having the potential for USACE regulation under Section 404 of the CWA. However, until approved by the USACE, the information provided is considered unofficial. The USACE allows consultants to prepare information for submittal to the USACE for approval, but only the USACE can make official decisions with regard to jurisdiction of aquatic features under Section 404 of the CWA. Therefore, if an official decision regarding jurisdiction is desired, the enclosed delineation report may be provided to the USACE with a request for an Approved Jurisdictional Determination.

We thank you for the opportunity to provide information regarding your project. If you have any questions or need additional information regarding our findings presented in the delineation report, please do not hesitate to contact me or Lisa Willis at 501-975-8100.

Respectfully submitted,
ECCI

Jimmy Rogers
Project Manager

enclosure



SECTION 404 DELINEATION
EDCCC – SITE 1 – HWY 67 & 26
CLARK COUNTY, ARKANSAS

JUNE 16, 2026

Prepared for:
ECONOMIC DEVELOPMENT CORPORATION OF CLARK COUNTY, ARKANSAS
ATTN: SHELLEY SHORT
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Prepared by:



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ECCI Project No. 5213-3004

TABLE OF CONTENTS

1.0 INTRODUCTION	1
2.0 MATERIALS AND METHODS.....	2
3.0 FINDINGS AND RESULTS.....	3
3.1 General Site Description	3
3.2 Wetlands	3
3.2.1 Vegetation	4
3.2.2 Wetland Hydrology.....	5
3.2.3 Soils.....	5
3.3 Other Waters of the US.....	6
3.4 Downstream Hydrologic Connectivity	7
4.0 FEMA 100-YEAR FLOODPLAIN AND FLOODWAY ISSUES	8
5.0 SUMMARY AND CONCLUSIONS	9

LIST OF TABLES

Table 1. Summary of Three Wetland Features	4
Table 2. Summary of Findings at each of the 13 Sampling Point Locations.....	6
Table 3. Summary of Onsite Stream Channels.....	7

LIST OF FIGURES

Figure 1	Map showing project vicinity overlaid on ESRI World Street Maps.
Figure 2	Map showing project area overlaid on USGS TNM Topo Base Map.
Figure 3	Map showing project details overlaid on USGS TNM Topo Base Map.
Figure 4	Map showing project details overlaid on 2023 9-inch aerial imagery.

LIST OF ATTACHMENTS

ATTACHMENT A:	Sampling Point Data Sheets
ATTACHMENT B:	Representative Photos
ATTACHMENT C:	Reference Maps

1.0 INTRODUCTION

The Economic Development Corporation of Clark County, Arkansas contracted with Engineering Compliance and Construction, Inc. (ECCI) of Little Rock, Arkansas, to delineate Section 404 wetlands and other waters of the United States (WOTUS) within the proposed project site of approximately 35.4 acres. The project site is located immediately southeast of the intersection of Highways 67 and 26 in Gum Springs, Clark County, Arkansas (Figure 1). The area of the delineation is mapped on the USGS *The National Map* Topo basemap for quadrangle Arkadelphia, AR (7.5-minute series) (Figures 2 and 3). The project area is located in part of Section 12, Township 8 South, Range 20 West. Approximate central coordinates of the project area are 34.05737°N, -93.09689°W.

2.0 MATERIALS AND METHODS

ECCI conducted a Level 3, routine wetland delineation as described in the US Army Corps of Engineers (USACE) *Corps of Engineers Wetlands Delineation Manual* (Environmental Laboratory 1987). Field investigations for the delineation were conducted during May 2026. ECCI evaluated the area of the delineation for potential Section 404 jurisdictional areas, i.e., wetlands and other WOTUS, and complied with the USACE 1987 Manual and *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region Version 2.0* (Engineer Research and Development Center 2010).

Sampling point locations were selected to evaluate areas appearing to have at least some potential for USACE regulation under Section 404 of the Clean Water Act (CWA), and to evaluate the project area for the purpose of collecting data regarding vegetative community type(s). Thirteen (13) sampling point locations were established within the project area; data were collected on vegetation, hydrology, and soils at each location (Table 2; Figures 3 and 4; Attachment A).

The *Keys to the Flora of Arkansas* (Smith 1994) was used to confirm certain plant identifications and the *USACE Cold Regions Research and Engineering Laboratory's Atlantic and Gulf Coastal Plain Regional Wetland Plant List* (2022) was used to determine 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 the Natural Resources Conservation Service's (NRCS) *Web Soil Survey* (2019) were used to determine the map units for the area. Also, the NRCS (Soil Data Access) *Clark County, Arkansas Hydric Soils Map List and Map Units with Hydric Inclusions* was used to assist in the selection of sampling points appearing to have a potential for the occurrence of hydric soils.

A smartphone using ARCGIS collector paired with a Geode GPS with sub-meter accuracy was used for marking sampling site locations and potential Section 404 feature boundaries.

3.0 FINDINGS AND RESULTS

3.1 General Site Description

Topography of the project site is generally flat, gently sloping from the east and west towards the center, and overall, gently sloping from north to south. Five primary plant communities were observed within the project area, as described in Section 3.2.1 below. Three wetlands, three stream channels, and no other aquatic features were observed within the project area. Figures 1 through 4 provide maps of the project area. Attachment A provides completed sampling point data sheets. Attachment B provides representative photos of the project area. Attachment C provides various reference maps of the project area.

Historic aerial images indicate that the delineation area was primarily maintained as herbaceous (likely for agricultural use), with one visible pond, and a developed area near the northern boundary in the earliest images reviewed, i.e., 1956, 1957, and 1958. By 1968, a second pond had been constructed and there was additional development in the northern area. In the 1990s, portions of the site were no longer continually maintained and woody vegetation coverage became dominant in those areas. By 2015, onsite buildings had been removed and some of the previously overgrown acreage was again cleared. The site appears largely similar today, in terms of land use and vegetative coverage, as it was in 2015.

3.2 Wetlands

ECCI observed three wetland features, i.e., WET-S1-A, WET-S1-B, and WET-S1-C, totaling 1.01 acre, that meets the technical criteria for classification as wetlands (Figures 3 and 4; Attachment B, Photo 9-11). The three wetland features are associated with a natural drainageway in the south-central portion of the project area. Table 1 provides a summary of each observed wetland feature.

WET-S1-A and WET-S1-B are portions of formerly man-made pond features. It appears that over time these ponds, likely previously used for agricultural purposes, were abandoned and the pond berms breached, either intentionally or through erosion. The breaching of the pond berms has led to a lower sustained water level and has allowed wetland conditions to occur in the

areas. Both of these wetland features drain south to intermittent drainages. The channels appear to convey water longer than an ephemeral channel would be expected to do, i.e., longer than during and immediately following rain events. This may be due to groundwater influence and/or an extended hydroperiod associated with water being detained in the former pond areas.

WET-S1-C is a forested linear drainageway wetland located in the south-central portion of the project area. Upstream drainage from WET-S1-A, WET-S1-B, and associated drainages flow to WET-S1-C. WET-S1-C conveys drainage flow offsite to the south.

Table 1. Summary of Three Wetland Features

Wetland ID	Wetland Vegetative Type	Acreage (acres onsite)	Photo #'s
WET-S1-A	Emergent (former pond)	0.21	9
WET-S1-B	Emergent (former pond)	0.21	10
WET-S1-C	Mixed-Strata	0.59	11

3.2.1 Vegetation

The project area consists of five primary vegetation communities, i.e., a maintained field community, a row-crop agricultural upland community, a forested upland community, a former pond wetland community, and a forested drainageway wetland community.

The maintained field community, the dominant vegetative community within the project area, was observed to be dominated by tall false rye grass (*Schedonorus arundinaceus*), winter bent grass (*Agrostis hyemalis*), Japanese chess (*Bromus japonicus*), daisy fleabane (*Erigeron annuus*), Chinese bushclover (*Lespedeza cuneata*), red clover (*Trifolium pratense*), and Canada goldenrod (*Solidago canadensis*) (Attachment B, Photos 3-5).

The row-crop agricultural upland community was observed to be dominated by soybean (*Glycine max*) (Attachment B, Photo 6).

The forested upland community, located in various areas within the project area, was observed to be dominated by pignut hickory (*Carya glabra*), honey-locust (*Gleditsia triacanthos*), loblolly pine (*Pinus taeda*), winged elm (*Ulmus alata*), common persimmon (*Diospyros virginiana*), Chinese privet (*Ligustrum sinense*), Cherokee sedge (*Carex cherokeensis*), Japanese chess, Japanese honeysuckle (*Lonicera japonica*), saw greenbrier

(*Smilax bona-nox*), peppervine (*Ampelopsis arborea*), and southern dewberry (*Rubus trivialis*) (Attachment B, Photos 7 and 8).

The former pond wetland features, associated with WET-S1-A and WET-S1-B, were dominated by black willow (*Salix nigra*), dotted smartweed (*Persicaria punctata*), and soft rush (*Juncus effusus*) (Attachment B, Photos 9 and 10).

The forested drainageway wetland community, associated with WET-S1-C, located in the south-central portion of the project area, is dominated by green ash (*Fraxinus pennsylvanica*), sugarberry (*Celtis laevigata*), common persimmon, honey-locust, black willow, fowl manna grass (*Glyceria striata*), common greenbrier (*Smilax rotundifolia*), and saw greenbrier (Attachment B, Photo 11).

Positive indicators of hydrophytic vegetation were observed at 7 of the 13 sampling point locations (Table 2; Attachment A).

3.2.2 Wetland Hydrology

Hydrology within the onsite wetland areas appears to be primarily associated with seasonal runoff or short-term inundation during and following periods of rainfall. Hydrologic indicators observed within the onsite wetland features include surface water, saturation, water marks, drift deposits, inundation visible on aerial imagery, water-stained leaves, aquatic fauna, drainage patterns, and positive FAC-Neutral tests.

Positive indicators of hydrology were only observed at 3 of the 13 sampling point locations, i.e., only the three sampling points located within the onsite delineated wetlands (Table 2; Attachment A).

3.2.3 Soils

The NRCS *Web Soil Survey 3.4* maps a single soil map unit, i.e., Houston clay, 3 to 8 percent slopes, eroded, within the project area (Attachment C). This soil map unit is described as a moderately well drained soil found on Blackland prairie coastal plains. The NRCS hydric soils lists for Clark County, Arkansas classifies this soil map unit as hydric. In addition to the mapped soil unit, two areas associated with former pond features are mapped as water. Positive indicators

of hydric soils were observed at 5 of the 13 sampling point locations (Table 2; Attachment A). Although hydric soils were observed in select upland areas, this is believed to be due to the nature of Blackland Prairie soils, which can present as hydric based on coloration but may not receive the hydrology that leads to the development of hydric soils under typical conditions.

Table 2. Summary of Findings at each of the 13 Sampling Point Locations

Sampling Point	Hydrophytic Vegetation	Hydric Soils	Wetland Hydrology	Technical Wetland
C-01	No	No	No	No
C-02	No	No	No	No
C-03	No	No	No	No
C-04	Yes	No	No	No
C-05	Yes	Yes	No	No
C-06	Yes	No	No	No
C-07	Yes	Yes	Yes	Yes
C-08	Yes	No	No	No
C-09	Yes	Yes	Yes	Yes
C-10	No	Yes	No	No
C-11	Yes	Yes	Yes	Yes
C-12	No	No	No	No
C-13	No	No	No	No

3.3 Other Waters of the US

The reviewed USGS topographic maps (1960, 1975, 1977, 2014, 2017, 2020, and 2024) each illustrate two aquatic features onsite, i.e., a stream channel near the northeastern portion of the project area and a pond in the south-central portion of the project area. Additionally, the 1977 and more recent topographic maps illustrate a second pond in the central portion of the project area. Similarly, the NWI maps the same aquatic features (Attachment C). The stream channel is classified by NWI within the project area as R4SBC (riverine, intermittent streambed, seasonally flooded). The ponds are classified by NWI as PUBHh (palustrine, unconsolidated bottom, permanently flooded diked/impounded).

The two onsite ponds were observed to function as and meet the definition for classification as wetlands. The northern mapped pond is identified as WET-S1-A and the southern mapped pond is identified as WET-S1-B (see Section 3.2).

Three channel features were observed within the project area. The mapped channel in the northeastern portion of the project area was observed to be an ephemeral drainage channel (EPH-S1-1) (Attachment B, Photo 6). EPH-S1-1 is classified as ephemeral due to appearing that it likely flows only in response to rainfall. Two additional channels were observed in the central portion of the project area, flowing south. One intermittent channel (INT-S1-1) was observed exiting WET-S1-A and flowing into WET-S1-B. A second intermittent channel (INT-S1-2) was observed exiting WET-S1-B and flowing into WET-S1-C. These two channels are classified as intermittent due to appearing to flow in response to rainfall with potential groundwater influence and likely maintain semi-persistent pools during select wet periods of a normal year. Additionally, the hydroperiods for INT-S1-1 and INT-S1-2 appear to extend beyond ephemeral flow due to detention and metered release of water from the former pond features (WET-S1-A and WET-S1-B). The observed onsite stream channels are summarized in Table 3 below.

Table 3. Summary of Onsite Stream Channels

Feature ID	Description	Width (ft.)	Depth (ft)	Size (linear feet onsite)	Substrate	Downstream Hydrologic Connection	Photo #'s
EPH-S1-1	Ephemeral	1	0.3	242*	silt, gravel	offsite to Big Deceiper Creek	12
INT-S1-1	Intermittent	1.5	0.3	277	silt, detritus	WET-S1-B	13
INT-S1-2	Intermittent	2.5	0.5	86	silt, detritus	WET-S1-C	14

*Approximately 22 of the 242 feet of EPH-S1-1 is contained in a culvert

3.4 Downstream Hydrologic Connectivity

The majority of drainage from the site generally flows south to an offsite mapped tributary that flows generally southeast to Waggle Creek; Waggle Creek flows generally south and flows to Terre Noire Creek; Terre Noire Creek flows generally southeast to the Little Missouri River; the Little Missouri River flows east to the Ouachita River, a Traditionally Navigable Water (TNW). The northern portion of the site drains northeast, thence north into Big Deceiper Creek; Big Deceiper Creek flows generally east into Deceiper Creek; Deceiper Creek flows into the Ouachita River, a TNW.

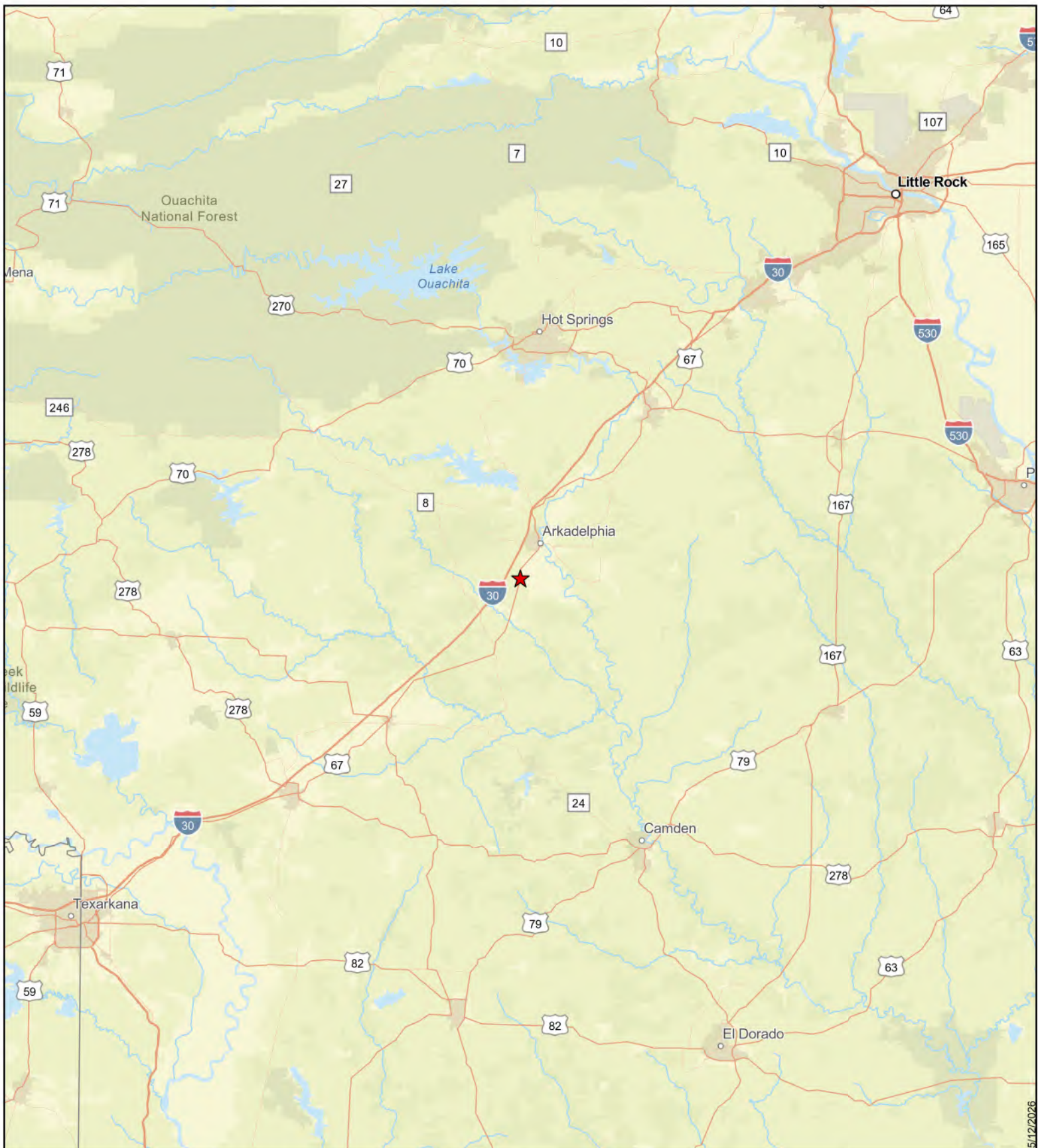
4.0 FEMA 100-YEAR FLOODPLAIN AND FLOODWAY ISSUES

The Federal Emergency Management Agency (FEMA) maps the entirety of the project area as unshaded Zone X. Unshaded Zone X is a FEMA designation for areas of minimal flood hazard that are outside the 0.2 percent annual-chance flood. A FEMA FIRMette is provided in Attachment C.

5.0 SUMMARY AND CONCLUSIONS

- ECCI observed three wetland features, totaling approximately 1.01 acre within the project area.
- ECCI observed three stream features within the project area:
 - One stream channel, totaling approximately 242 linear feet within the project area, was observed to be ephemeral in nature.
 - Two stream channels, totaling approximately 363 linear feet within the project area, were observed to be intermittent in nature.
- FEMA maps the entirety of the project area outside a 0.2 percent annual-flood chance floodplain.

Figures



EDCCC Site 1 – Hwy 67 & 26

★ Project Area

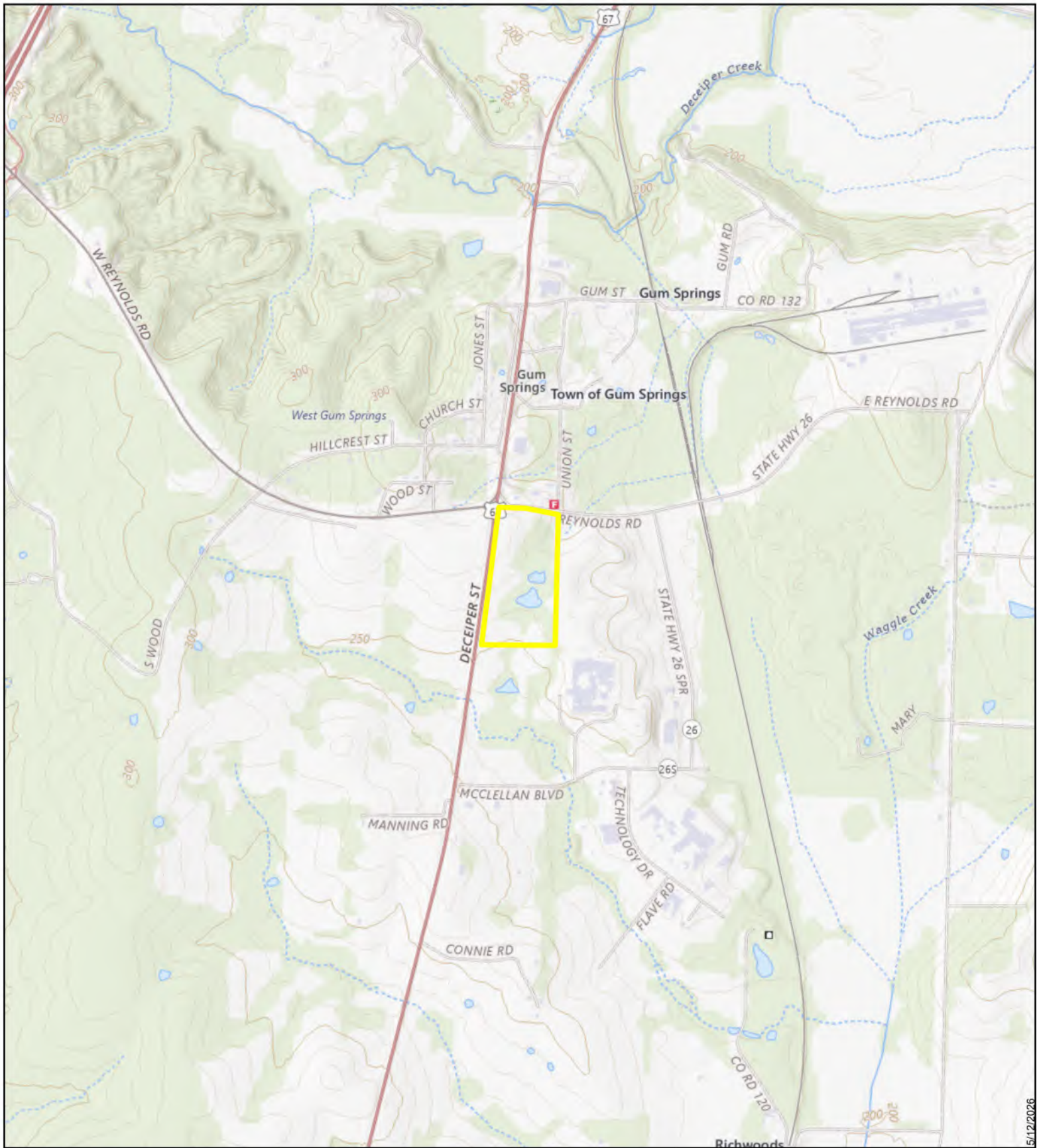
30

Miles



Background: Esri, DeLorme, HERE, USGS, Intermap, increment P Corp., www.esri.com, Esri (China), Esri (India), Esri (Japan), Esri (Korea), Esri (Russia), Esri (Thailand), TomTom

Figure 1. Map showing project vicinity overlaid on ESRI World Street Maps.

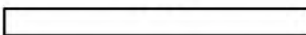


EDCCC Site 1 – Hwy 67 & 26



 Project Area

0.5

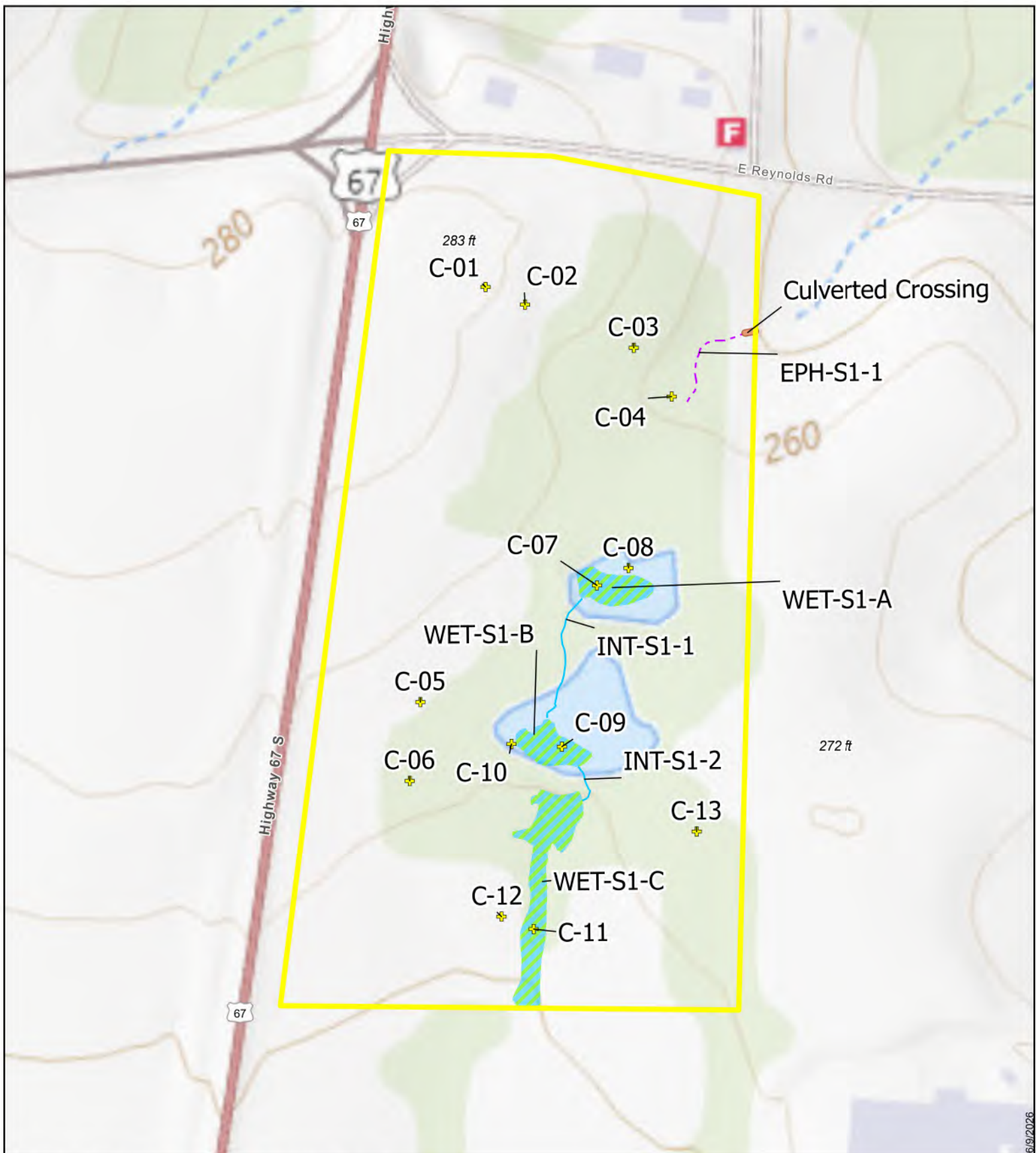
 Miles



C:\Users\GMikel\Documents\ArcGIS\Projects\5213-3004_EDCCC Site 1 – Hwy 67 & 26\5213-3004_EDCCC Site 1 – Hwy 67 & 26.aprx

Background: USGS The National Map

Figure 2. Map showing project area overlaid on USGS TNM Topo Base Map.



EDCCC Site 1 – Hwy 67 & 26



- + Sample Point
- Project Area
- EPH
- INT

- Culverted Crossing
- Wetland

500
Feet



F:\Economic Development of Clark County\2026 EDCCC Leased Properties -Environmental Reports (5213-3004)\404\Site 1 - Hwy 67 & 26\GIS\5213-3004_EDCCC Background & USGS Topo National Map

Figure 3. Map showing project details overlaid on USGS TNM Topo Base Map.

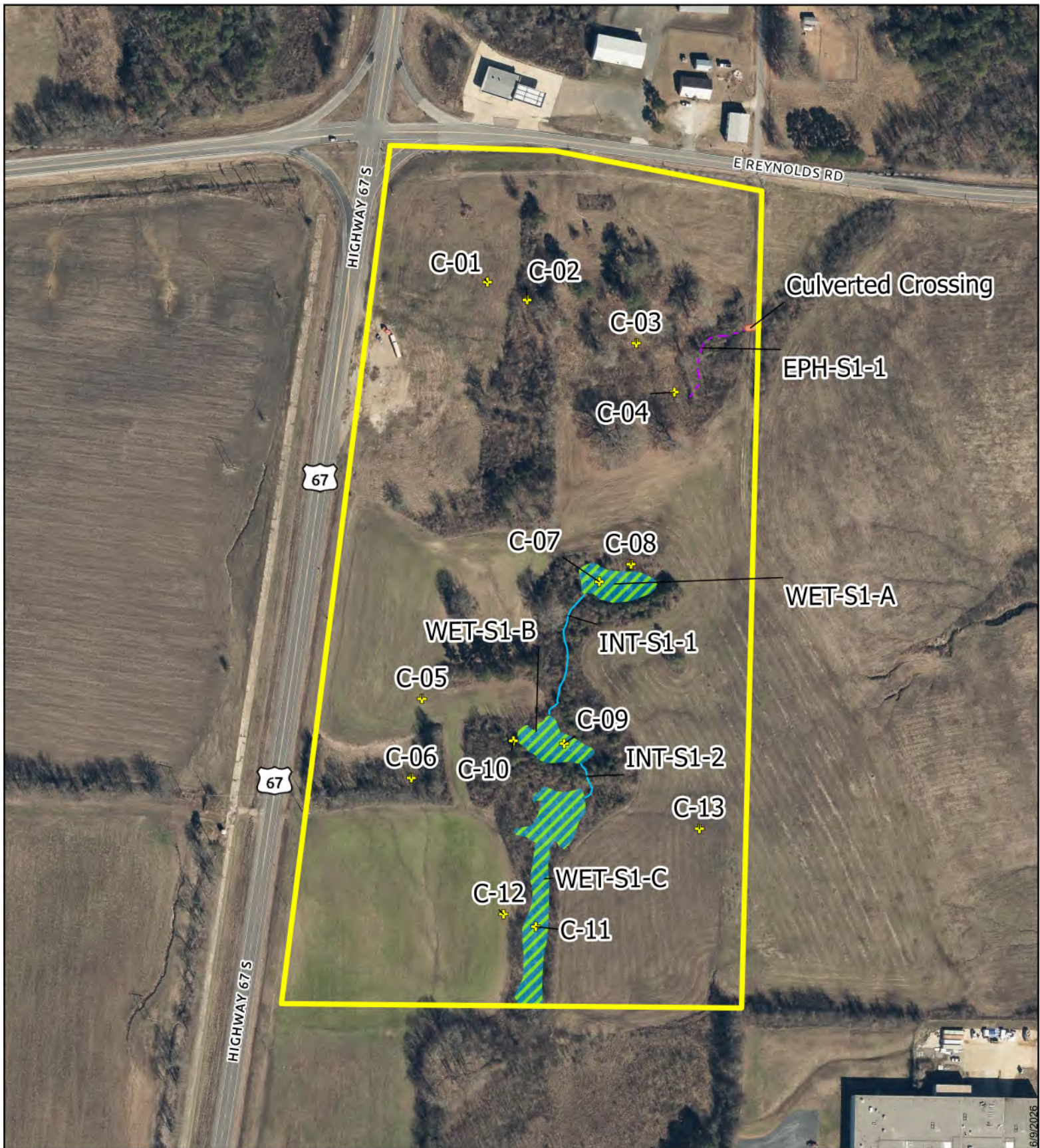


Figure 4. Map showing project details overlaid on 2023 9-inch aerial imagery.

Attachment A

Sampling Point Data Sheets

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Atlantic and Gulf Coastal Plain Region See ERDC/EL TR-10-20; the proponent agency is CECW-COR	OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: EDCCC - Site 1 - Hwy 67 & 26 City/County: Clark County Sampling Date: 2026-05-13
Applicant/Owner: Economic Development Corporation of Clark County State: Arkansas Sampling Point: C-01
Investigator(s): Jimmy Rogers Section, Township, Range: S12 T8S R20W
Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): None Slope (%): 0-1
Subregion (LRR or MLRA): P 135B Lat: 34.05912 Long: -93.09716 Datum: WGS 84
Soil Map Unit Name: 28 - Houston clay, 3 to 8 percent slopes, eroded NWI classification: _____

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:
Previous developed area. Gravel and soil below surface appears to be fill material. Maintained (periodically mowed) field.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ☐ Surface Water (A1) ☐ Aquatic Fauna (B13) ☐ High Water Table (A2) ☐ Marl Deposits (B15) (LRR U) ☐ Saturation (A3) ☐ Hydrogen Sulfide Odor (C1) ☐ Water Marks (B1) ☐ Oxidized Rhizospheres on Living Roots (C3) ☐ Sediment Deposits (B2) ☐ Presence of Reduced Iron (C4) ☐ Drift Deposits (B3) ☐ Recent Iron Reduction in Tilled Soils (C6) ☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface (C7) ☐ Iron Deposits (B5) ☐ Other (Explain in Remarks) ☐ Inundation Visible on Aerial Imagery (B7) ☐ Water-Stained Leaves (B9)	<u>Secondary Indicators (minimum of two required)</u> ☐ 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) ☐ Geomorphic Position (D2) ☐ Shallow Aquitard (D3) ☐ FAC-Neutral Test (D5) ☐ Sphagnum Moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes _____ No ☒ Depth (inches): _____ Water Table Present? Yes _____ No ☒ Depth (inches): _____ Saturation Present? Yes _____ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No ☒
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION (Four Strata) – Use scientific names of plants.

 Sampling Point: C-01

Tree Stratum (Plot size: <u>30 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>3</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>33.33</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
=Total Cover				Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>32</u></td> <td>x 3 = <u>96</u></td> </tr> <tr> <td>FACU species <u>41</u></td> <td>x 4 = <u>164</u></td> </tr> <tr> <td>UPL species <u>5</u></td> <td>x 5 = <u>25</u></td> </tr> <tr> <td>Column Totals: <u>78</u> (A)</td> <td><u>285</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.65</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>32</u>	x 3 = <u>96</u>	FACU species <u>41</u>	x 4 = <u>164</u>	UPL species <u>5</u>	x 5 = <u>25</u>	Column Totals: <u>78</u> (A)	<u>285</u> (B)	Prevalence Index = B/A = <u>3.65</u>	
Total % Cover of:	Multiply by:																			
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Column Totals: <u>78</u> (A)	<u>285</u> (B)																			
Prevalence Index = B/A = <u>3.65</u>																				
50% of total cover: _____ 20% of total cover: _____																				
Sapling/Shrub Stratum (Plot size: <u>30 ft r</u>)																				
1. _____	_____	_____	_____	Hydrophytic Vegetation Indicators: _____ 1 - Rapid Test for Hydrophytic Vegetation _____ 2 - Dominance Test is >50% _____ 3 - Prevalence Index is ≤3.0 ¹ _____ Problematic Hydrophytic Vegetation ¹ (Explain)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
=Total Cover																				
50% of total cover: _____ 20% of total cover: _____																				
Herb Stratum (Plot size: <u>30 ft r</u>)																				
1. <u>Schedonorus arundinaceus</u>	<u>25</u>	<u>✓</u>	<u>FAC</u>	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 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.																
2. <u>Bromus japonicus</u>	<u>20</u>	<u>✓</u>																		
3. <u>Erigeron annuus</u>	<u>15</u>	<u>✓</u>	<u>FACU</u>																	
4. <u>Lespedeza cuneata</u>	<u>15</u>	<u>✓</u>	<u>FACU</u>																	
5. <u>Daucus carota</u>	<u>5</u>		<u>UPL</u>																	
6. <u>Lolium perenne</u>	<u>5</u>		<u>FACU</u>																	
7. <u>Aira caryophyllea</u>	<u>3</u>		<u>FAC</u>																	
8. <u>Solidago canadensis</u>	<u>3</u>		<u>FACU</u>																	
9. <u>Trifolium arvense</u>	<u>3</u>																			
10. <u>Coreopsis tinctoria</u>	<u>2</u>		<u>FAC</u>																	
11. <u>Oenothera sp.</u>	<u>2</u>																			
12. <u>Sherardia arvensis</u>	<u>2</u>																			
=Total Cover																				
50% of total cover: <u>52.50</u> 20% of total cover: <u>21.00</u>																				
Woody Vine Stratum (Plot size: <u>30 ft r</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
=Total Cover 20%																				
50% of total cover: _____ of total cover: _____																				
Remarks: (If observed, list morphological adaptations below.)				Hydrophytic Vegetation Present? Yes _____ No <u>✓</u>																

VEGETATION Continued (Four Strata) – Use scientific names of plants.

 Sampling Point: C-01

<u>Tree Stratum</u>	Absolute % Cover	Dominant Species?	Indicator Status	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 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.
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
13. _____	_____	_____	_____	
14. _____	_____	_____	_____	
15. _____	_____	_____	_____	
16. _____	_____	_____	_____	
_____ = Total Cover				
50% of total cover: _____			20% of total cover: _____	
<u>Sapling/Shrub Stratum</u>				
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
11. _____	_____	_____	_____	
12. _____	_____	_____	_____	
13. _____	_____	_____	_____	
14. _____	_____	_____	_____	
15. _____	_____	_____	_____	
16. _____	_____	_____	_____	
_____ = Total Cover				
50% of total cover: _____			20% of total cover: _____	
<u>Herb Stratum</u>				
13. <u>Verbena brasiliensis</u>	2	_____	FACU	
14. <u>Briza minor</u>	1	_____	FAC	
15. <u>Prunella vulgaris</u>	1	_____	FAC	
16. <u>Triodanis perfoliata</u>	1	_____	FACU	
17. _____	_____	_____	_____	
18. _____	_____	_____	_____	
19. _____	_____	_____	_____	
20. _____	_____	_____	_____	
21. _____	_____	_____	_____	
22. _____	_____	_____	_____	
23. _____	_____	_____	_____	
24. _____	_____	_____	_____	
105 = Total Cover				
50% of total cover: <u>52.50</u>			20% of total cover: <u>21.00</u>	
<u>Woody Vine Stratum</u>				
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
_____ = Total Cover				
50% of total cover: _____			20% of total cover: _____	

Remarks: (If observed, list morphological adaptations below.)

SOIL

Sampling Point: C-01

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 3	7.5YR 3/2	100					Silty Clay	w/gravel
3 - 7	7.5YR 4/2	100					Silty Clay	w/gravel
7 - 18	7.5YR 4/2	30					Clay	w/gravel
7 - 18	7.5YR 4/3	30					Clay	w/gravel
7 - 18	7.5YR 3/3	30					Clay	w/gravel
7 - 18	2.5YR 6/6	10					Clay	w/gravel
-								

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.²Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

☐ Histosol (A1)	☐ Thin Dark Surface (S9) (LRR S, T, U)
☐ Histic Epipedon (A2)	☐ Barrier Islands 1 cm Muck (S12)
☐ Black Histic (A3)	(MLRA 153B, 153D)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (LRR O)
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)
☐ Organic Bodies (A6) (LRR P, T, U)	☐ Depleted Matrix (F3)
☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)	☐ Redox Dark Surface (F6)
☐ Muck Presence (A8) (LRR U)	☐ Depleted Dark Surface (F7)
☐ 1 cm Muck (A9) (LRR P, T)	☐ Redox Depressions (F8)
☐ Depleted Below Dark Surface (A11)	☐ Marl (F10) (LRR U)
☐ Thick Dark Surface (A12)	☐ Depleted Ochric (F11) (MLRA 151)
☐ Coast Prairie Redox (A16) (MLRA 150A)	☐ Iron-Manganese Masses (F12) (LRR O, P, T)
☐ Iron Monosulfide (A18)	☐ Umbric Surface (F13) (LRR P, T, U)
☐ Sandy Mucky Mineral (S1) (LRR O, S)	☐ Delta Ochric (F17) (MLRA 151)
☐ Sandy Gleyed Matrix (S4)	☐ Reduced Vertic (F18) (MLRA 150A, 150B)
☐ Sandy Redox (S5)	☐ Piedmont Floodplain Soils (F19) (MLRA 149A)
☐ Stripped Matrix (S6)	☐ Anomalous Bright Floodplain Soils (F20)
☐ Dark Surface (S7) (LRR P, S, T, U)	(MLRA 149A, 153C, 153D)
☐ Polyvalue Below Surface (S8) (LRR S, T, U)	☐ Very Shallow Dark Surface (F22)
	(MLRA 138, 152A in FL, 154)

Indicators for Problematic Hydric Soils³:

☐ 1 cm Muck (A9) (LRR O)
☐ 2 cm Muck (A10) (LRR S)
☐ Coast Prairie Redox (A16)
(outside MLRA 150A)
☐ Reduced Vertic (F18)
(outside MLRA 150A, 150B)
☐ Piedmont Floodplain Soils (F19) (LRR P, T)
☐ Anomalous Bright Floodplain Soils (F20)
(MLRA 153B)
☐ Red Parent Material (F21)
☐ Very Shallow Dark Surface (F22)
(outside MLRA 138, 152A in FL, 154)
☐ Other (Explain in Remarks)

³Indicators 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:

Appears to be fill material.

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Atlantic and Gulf Coastal Plain Region See ERDC/EL TR-10-20; the proponent agency is CECW-COR		OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)						
Project/Site: <u>EDCCC - Site 1 - Hwy 67 & 26</u> City/County: <u>Clark County</u> Sampling Date: <u>2026-05-13</u>								
Applicant/Owner: <u>Economic Development Corporation of Clark County</u> State: <u>Arkansas</u> Sampling Point: <u>C-02</u>								
Investigator(s): <u>Jimmy Rogers</u> Section, Township, Range: <u>S12 T8S R20W</u>								
Landform (hillside, terrace, etc.): <u>Slope</u> Local relief (concave, convex, none): <u>None</u> Slope (%): <u>3</u>								
Subregion (LRR or MLRA): <u>P 135B</u> Lat: <u>34.05902</u> Long: <u>-93.09682</u> Datum: <u>WGS 84</u>								
Soil Map Unit Name: <u>28 - Houston clay, 3 to 8 percent slopes, eroded</u> NWI classification: _____								
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.								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 40%;"> Hydrophytic Vegetation Present? Yes _____ No ☒ Hydric Soil Present? Yes _____ No ☒ Wetland Hydrology Present? Yes _____ No ☒ </td> <td style="width: 60%;"> Is the Sampled Area within a Wetland? Yes _____ No ☒ </td> </tr> <tr> <td colspan="2" style="height: 100px; vertical-align: top;"> Remarks: </td> </tr> </table>			Hydrophytic Vegetation Present? Yes _____ No ☒ Hydric Soil Present? Yes _____ No ☒ Wetland Hydrology Present? Yes _____ No ☒	Is the Sampled Area within a Wetland? Yes _____ No ☒	Remarks:			
Hydrophytic Vegetation Present? Yes _____ No ☒ Hydric Soil Present? Yes _____ No ☒ Wetland Hydrology Present? Yes _____ No ☒	Is the Sampled Area within a Wetland? Yes _____ No ☒							
Remarks:								
HYDROLOGY								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"> Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ☐ 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) ☐ Marl Deposits (B15) (LRR U) ☐ 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) </td> <td style="width: 40%;"> <u>Secondary Indicators (minimum of two required)</u> ☐ 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) ☐ Geomorphic Position (D2) ☐ Shallow Aquitard (D3) ☐ FAC-Neutral Test (D5) ☐ Sphagnum Moss (D8) (LRR T, U) </td> </tr> </table>			Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ☐ 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) ☐ Marl Deposits (B15) (LRR U) ☐ 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)	<u>Secondary Indicators (minimum of two required)</u> ☐ 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) ☐ Geomorphic Position (D2) ☐ Shallow Aquitard (D3) ☐ FAC-Neutral Test (D5) ☐ Sphagnum Moss (D8) (LRR T, U)				
Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ☐ 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) ☐ Marl Deposits (B15) (LRR U) ☐ 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)	<u>Secondary Indicators (minimum of two required)</u> ☐ 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) ☐ Geomorphic Position (D2) ☐ Shallow Aquitard (D3) ☐ FAC-Neutral Test (D5) ☐ Sphagnum Moss (D8) (LRR T, U)							
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 55%;"> Field Observations: Surface Water Present? Yes _____ No ☒ Depth (inches): _____ Water Table Present? Yes _____ No ☒ Depth (inches): _____ Saturation Present? Yes _____ No ☒ Depth (inches): _____ (includes capillary fringe) </td> <td style="width: 45%; text-align: right;"> Wetland Hydrology Present? Yes _____ No ☒ </td> </tr> <tr> <td colspan="2" style="height: 100px; vertical-align: top;"> Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: </td> </tr> <tr> <td colspan="2" style="height: 100px; vertical-align: top;"> Remarks: </td> </tr> </table>			Field Observations: Surface Water Present? Yes _____ No ☒ Depth (inches): _____ Water Table Present? Yes _____ No ☒ Depth (inches): _____ Saturation Present? Yes _____ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No ☒	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		Remarks:	
Field Observations: Surface Water Present? Yes _____ No ☒ Depth (inches): _____ Water Table Present? Yes _____ No ☒ Depth (inches): _____ Saturation Present? Yes _____ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No ☒							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:								
Remarks:								

VEGETATION (Four Strata) – Use scientific names of plants.

 Sampling Point: C-02

Tree Stratum (Plot size: <u>25 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Ulmus alata</u>	<u>25</u>	☒	<u>FACU</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.00</u> (A/B)																
2. <u>Celtis laevigata</u>	<u>5</u>		<u>FACW</u>																	
3. <u>Pinus taeda</u>	<u>5</u>		<u>FAC</u>																	
4. <u>Quercus falcata</u>	<u>5</u>		<u>FACU</u>																	
5. <u>Quercus nigra</u>	<u>5</u>		<u>FAC</u>																	
6. _____	_____		_____																	
7. _____	_____		_____																	
8. _____	_____		_____																	
		<u>45</u>	=Total Cover	Prevalence Index worksheet: <table style="width: 100%;"> <tr> <th style="width: 50%;">Total % Cover of:</th> <th style="width: 50%;">Multiply by:</th> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>35</u></td> <td>x 2 = <u>70</u></td> </tr> <tr> <td>FAC species <u>25</u></td> <td>x 3 = <u>75</u></td> </tr> <tr> <td>FACU species <u>57</u></td> <td>x 4 = <u>228</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>117</u> (A)</td> <td><u>373</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.18</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>35</u>	x 2 = <u>70</u>	FAC species <u>25</u>	x 3 = <u>75</u>	FACU species <u>57</u>	x 4 = <u>228</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>117</u> (A)	<u>373</u> (B)	Prevalence Index = B/A = <u>3.18</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>35</u>	x 2 = <u>70</u>																			
FAC species <u>25</u>	x 3 = <u>75</u>																			
FACU species <u>57</u>	x 4 = <u>228</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>117</u> (A)	<u>373</u> (B)																			
Prevalence Index = B/A = <u>3.18</u>																				
50% of total cover: <u>22.50</u>		20% of total cover: <u>9.00</u>																		
Sapling/Shrub Stratum (Plot size: <u>25 ft r</u>)																				
1. <u>Ulmus alata</u>	<u>20</u>	☒	<u>FACU</u>	Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ <u>_____</u> Problematic Hydrophytic Vegetation ¹ (Explain)																
2. <u>Ilex decidua</u>	<u>5</u>		<u>FACW</u>																	
3. <u>Ligustrum sinense</u>	<u>5</u>		<u>FAC</u>																	
4. <u>Carya glabra</u>	<u>2</u>		<u>FACU</u>																	
5. _____	_____		_____																	
6. _____	_____		_____																	
7. _____	_____		_____																	
8. _____	_____		_____																	
		<u>32</u>	=Total Cover	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
50% of total cover: <u>16.00</u>		20% of total cover: <u>6.40</u>																		
Herb Stratum (Plot size: <u>10 ft r</u>)																				
1. <u>Carex cherokeensis</u>	<u>25</u>	☒	<u>FACW</u>	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 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.																
2. _____	_____		_____																	
3. _____	_____		_____																	
4. _____	_____		_____																	
5. _____	_____		_____																	
6. _____	_____		_____																	
7. _____	_____		_____																	
8. _____	_____		_____																	
9. _____	_____		_____																	
10. _____	_____		_____																	
11. _____	_____		_____																	
12. _____	_____		_____																	
		<u>25</u>	=Total Cover																	
50% of total cover: <u>12.50</u>		20% of total cover: <u>5.00</u>																		
Woody Vine Stratum (Plot size: <u>25 ft r</u>)																				
1. <u>Lonicera japonica</u>	<u>5</u>	☒	<u>FACU</u>	Hydrophytic Vegetation Present? Yes <u>_____</u> No ☒																
2. <u>Smilax bona-nox</u>	<u>5</u>	☒	<u>FAC</u>																	
3. <u>Bignonia capreolata</u>	<u>3</u>	☒	<u>FAC</u>																	
4. <u>Cocculus carolinus</u>	<u>1</u>		<u>FAC</u>																	
5. <u>Toxicodendron radicans</u>	<u>1</u>		<u>FAC</u>																	
		<u>15</u>	=Total Cover 20%																	
50% of total cover: <u>7.50</u>		of total cover: <u>3.00</u>																		

Remarks: (If observed, list morphological adaptations below.)

SOIL

Sampling Point: C-02

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 4	10YR 3/2	100					Silty Clay Loam	
4 - 18	10YR 3/3	100					Silty Clay Loam	
-								
-								
-								
-								
-								
-								

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

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)			Indicators for Problematic Hydric Soils ³ :	
☐ Histosol (A1)	☐ Thin Dark Surface (S9) (LRR S, T, U)	☐ 1 cm Muck (A9) (LRR O)	☐ 2 cm Muck (A10) (LRR S) ☐ Coast Prairie Redox (A16) (outside MLRA 150A) ☐ Reduced Vertic (F18) (outside MLRA 150A, 150B) ☐ Piedmont Floodplain Soils (F19) (LRR P, T) ☐ Anomalous Bright Floodplain Soils (F20) (MLRA 153B) ☐ Red Parent Material (F21) ☐ Very Shallow Dark Surface (F22) (outside MLRA 138, 152A in FL, 154) ☐ Other (Explain in Remarks)	
☐ Histic Epipedon (A2)	☐ Barrier Islands 1 cm Muck (S12) (MLRA 153B, 153D)	☐ Loamy Mucky Mineral (F1) (LRR O)		
☐ Black Histic (A3)	☐ Loamy Gleyed Matrix (F2)	☐ Depleted Matrix (F3)		
☐ Hydrogen Sulfide (A4)	☐ Redox Dark Surface (F6)	☐ Redox Dark Surface (F7)		
☐ Stratified Layers (A5)	☐ Depleted Dark Surface (F7)	☐ Redox Depressions (F8)		
☐ Organic Bodies (A6) (LRR P, T, U)	☐ Marl (F10) (LRR U)	☐ Depleted Ochric (F11) (MLRA 151)		
☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)	☐ Iron-Manganese Masses (F12) (LRR O, P, T)	☐ Umbric Surface (F13) (LRR P, T, U)		
☐ Muck Presence (A8) (LRR U)	☐ Delta Ochric (F17) (MLRA 151)	☐ Reduced Vertic (F18) (MLRA 150A, 150B)		
☐ 1 cm Muck (A9) (LRR P, T)	☐ Piedmont Floodplain Soils (F19) (MLRA 149A)	☐ Anomalous Bright Floodplain Soils (F20) (MLRA 149A, 153C, 153D)		
☐ Depleted Below Dark Surface (A11)	☐ Very Shallow Dark Surface (F22) (MLRA 138, 152A in FL, 154)			
☐ Thick Dark Surface (A12)				
☐ Coast Prairie Redox (A16) (MLRA 150A)				
☐ Iron Monosulfide (A18)				
☐ Sandy Mucky Mineral (S1) (LRR O, S)				
☐ Sandy Gleyed Matrix (S4)				
☐ Sandy Redox (S5)				
☐ Stripped Matrix (S6)				
☐ Dark Surface (S7) (LRR P, S, T, U)				
☐ Polyvalue Below Surface (S8) (LRR S, T, U)				

³Indicators 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 ☒
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Remarks:

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Atlantic and Gulf Coastal Plain Region See ERDC/EL TR-10-20; the proponent agency is CECW-COR	OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: EDCCC - Site 1 - Hwy 67 & 26 City/County: Clark County Sampling Date: 2026-05-13

Applicant/Owner: Economic Development Corporation of Clark County State: Arkansas Sampling Point: C-03

Investigator(s): Jimmy Rogers Section, Township, Range: S12 T8S R20W

Landform (hillside, terrace, etc.): Toeslope Local relief (concave, convex, none): None Slope (%): 2

Subregion (LRR or MLRA): P 135B Lat: 34.05877 Long: -93.09613 Datum: WGS 84

Soil Map Unit Name: 28 - Houston clay, 3 to 8 percent slopes, eroded NWI classification: _____

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 ☒ Hydric Soil Present? Yes _____ No ☒ Wetland Hydrology Present? Yes _____ No ☒	Is the Sampled Area within a Wetland? Yes _____ No ☒
Remarks:	

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ☐ 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) ☐ Marl Deposits (B15) (LRR U) ☐ 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)		<u>Secondary Indicators (minimum of two required)</u> ☐ 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) ☐ Geomorphic Position (D2) ☐ Shallow Aquitard (D3) ☐ FAC-Neutral Test (D5) ☐ Sphagnum Moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes _____ No ☒ Depth (inches): _____ Water Table Present? Yes _____ No ☒ Depth (inches): _____ Saturation Present? Yes _____ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No ☒	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		
Remarks:		

VEGETATION (Four Strata) – Use scientific names of plants.

 Sampling Point: C-03

Tree Stratum (Plot size: <u>30 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Carya glabra</u>	<u>5</u>	☒	<u>FACU</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.00</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
5 = Total Cover				Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>35</u></td> <td>x 2 = <u>70</u></td> </tr> <tr> <td>FAC species <u>29</u></td> <td>x 3 = <u>87</u></td> </tr> <tr> <td>FACU species <u>50</u></td> <td>x 4 = <u>200</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>114</u> (A)</td> <td><u>357</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.13</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>35</u>	x 2 = <u>70</u>	FAC species <u>29</u>	x 3 = <u>87</u>	FACU species <u>50</u>	x 4 = <u>200</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>114</u> (A)	<u>357</u> (B)	Prevalence Index = B/A = <u>3.13</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>35</u>	x 2 = <u>70</u>																			
FAC species <u>29</u>	x 3 = <u>87</u>																			
FACU species <u>50</u>	x 4 = <u>200</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>114</u> (A)	<u>357</u> (B)																			
Prevalence Index = B/A = <u>3.13</u>																				
50% of total cover: <u>2.50</u> 20% of total cover: <u>1.00</u>																				
Sapling/Shrub Stratum (Plot size: <u>20 ft r</u>)																				
1. <u>Carya glabra</u>	<u>30</u>	☒	<u>FACU</u>	Hydrophytic Vegetation Indicators: ___ 1 - Rapid Test for Hydrophytic Vegetation ___ 2 - Dominance Test is >50% ___ 3 - Prevalence Index is ≤3.0 ¹ ___ Problematic Hydrophytic Vegetation ¹ (Explain)																
2. <u>Gleditsia triacanthos</u>	<u>25</u>	☒	<u>FAC</u>																	
3. <u>Celtis laevigata</u>	<u>5</u>		<u>FACW</u>																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
60 = Total Cover																				
50% of total cover: <u>30.00</u> 20% of total cover: <u>12.00</u>																				
Herb Stratum (Plot size: <u>5 ft r</u>)																				
1. <u>Bromus japonicus</u>	<u>50</u>	☒		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 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.																
2. <u>Carex cherokeensis</u>	<u>30</u>	☒	<u>FACW</u>																	
3. <u>Lolium perenne</u>	<u>5</u>		<u>FACU</u>																	
4. <u>Carex sp.</u>	<u>2</u>																			
5. <u>Galium aparine</u>	<u>2</u>		<u>FACU</u>																	
6. <u>Geranium carolinianum</u>	<u>2</u>																			
7. <u>Triodanis perfoliata</u>	<u>2</u>		<u>FACU</u>																	
8. <u>Euphorbia spathulata</u>	<u>1</u>		<u>FACU</u>																	
9. <u>Sherardia arvensis</u>	<u>1</u>																			
10. <u>Valerianella radiata</u>	<u>1</u>		<u>FAC</u>																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
96 = Total Cover																				
50% of total cover: <u>48.00</u> 20% of total cover: <u>19.20</u>																				
Woody Vine Stratum (Plot size: <u>10 ft r</u>)																				
1. <u>Lonicera japonica</u>	<u>5</u>	☒	<u>FACU</u>	Hydrophytic Vegetation Present? Yes _____ No ☒																
2. <u>Cocculus carolinus</u>	<u>3</u>	☒	<u>FAC</u>																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
8 = Total Cover 20%																				
50% of total cover: <u>4.00</u> of total cover: <u>1.60</u>																				

Remarks: (If observed, list morphological adaptations below.)

SOIL

Sampling Point: C-03

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 18	7.5YR 3/3	100					Silty Clay Loam	
-								
-								
-								
-								
-								
-								
-								

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

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ Thin Dark Surface (S9) (LRR S, T, U)	☐ 1 cm Muck (A9) (LRR O)
☐ Histic Epipedon (A2)	☐ Barrier Islands 1 cm Muck (S12)	☐ 2 cm Muck (A10) (LRR S)
☐ Black Histic (A3)	(MLRA 153B, 153D)	☐ Coast Prairie Redox (A16)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (LRR O)	(outside MLRA 150A)
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)	☐ Reduced Vertic (F18)
☐ Organic Bodies (A6) (LRR P, T, U)	☐ Depleted Matrix (F3)	(outside MLRA 150A, 150B)
☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)	☐ Redox Dark Surface (F6)	☐ Piedmont Floodplain Soils (F19) (LRR P, T)
☐ Muck Presence (A8) (LRR U)	☐ Depleted Dark Surface (F7)	☐ Anomalous Bright Floodplain Soils (F20)
☐ 1 cm Muck (A9) (LRR P, T)	☐ Redox Depressions (F8)	(MLRA 153B)
☐ Depleted Below Dark Surface (A11)	☐ Marl (F10) (LRR U)	☐ Red Parent Material (F21)
☐ Thick Dark Surface (A12)	☐ Depleted Ochric (F11) (MLRA 151)	☐ Very Shallow Dark Surface (F22)
☐ Coast Prairie Redox (A16) (MLRA 150A)	☐ Iron-Manganese Masses (F12) (LRR O, P, T)	(outside MLRA 138, 152A in FL, 154)
☐ Iron Monosulfide (A18)	☐ Umbric Surface (F13) (LRR P, T, U)	☐ Other (Explain in Remarks)
☐ Sandy Mucky Mineral (S1) (LRR O, S)	☐ Delta Ochric (F17) (MLRA 151)	
☐ Sandy Gleyed Matrix (S4)	☐ Reduced Vertic (F18) (MLRA 150A, 150B)	
☐ Sandy Redox (S5)	☐ Piedmont Floodplain Soils (F19) (MLRA 149A)	
☐ Stripped Matrix (S6)	☐ Anomalous Bright Floodplain Soils (F20)	
☐ Dark Surface (S7) (LRR P, S, T, U)	(MLRA 149A, 153C, 153D)	
☐ Polyvalue Below Surface (S8) (LRR S, T, U)	☐ Very Shallow Dark Surface (F22) (MLRA 138, 152A in FL, 154)	

³Indicators 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:

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Atlantic and Gulf Coastal Plain Region See ERDC/EL TR-10-20; the proponent agency is CECW-COR		OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)						
Project/Site: <u>EDCCC - Site 1 - Hwy 67 & 26</u> City/County: <u>Clark County</u> Sampling Date: <u>2026-05-13</u>								
Applicant/Owner: <u>Economic Development Corporation of Clark County</u> State: <u>Arkansas</u> Sampling Point: <u>C-04</u>								
Investigator(s): <u>Jimmy Rogers</u> Section, Township, Range: <u>S12 T8S R20W</u>								
Landform (hillside, terrace, etc.): <u>Drainhead Complex</u> Local relief (concave, convex, none): <u>None</u> Slope (%): <u>2</u>								
Subregion (LRR or MLRA): <u>P 135B</u> Lat: <u>34.05849</u> Long: <u>-93.09587</u> Datum: <u>WGS 84</u>								
Soil Map Unit Name: <u>28 - Houston clay, 3 to 8 percent slopes, eroded</u> NWI classification: _____								
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.								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; vertical-align: top;"> Hydrophytic Vegetation Present? Yes ☒ No _____ Hydric Soil Present? Yes _____ No ☒ Wetland Hydrology Present? Yes _____ No ☒ </td> <td style="width:50%; vertical-align: top;"> Is the Sampled Area within a Wetland? Yes _____ No ☒ </td> </tr> <tr> <td colspan="2" style="height: 100px; vertical-align: top;"> Remarks: </td> </tr> </table>			Hydrophytic Vegetation Present? Yes ☒ No _____ Hydric Soil Present? Yes _____ No ☒ Wetland Hydrology Present? Yes _____ No ☒	Is the Sampled Area within a Wetland? Yes _____ No ☒	Remarks:			
Hydrophytic Vegetation Present? Yes ☒ No _____ Hydric Soil Present? Yes _____ No ☒ Wetland Hydrology Present? Yes _____ No ☒	Is the Sampled Area within a Wetland? Yes _____ No ☒							
Remarks:								
HYDROLOGY								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="vertical-align: top;"> Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Aquatic Fauna (B13) _____ High Water Table (A2) _____ Marl Deposits (B15) (LRR U) _____ Saturation (A3) _____ Hydrogen Sulfide Odor (C1) _____ Water Marks (B1) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Sediment Deposits (B2) _____ Presence of Reduced Iron (C4) _____ Drift Deposits (B3) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Algal Mat or Crust (B4) _____ Thin Muck Surface (C7) _____ Iron Deposits (B5) _____ Other (Explain in Remarks) _____ Inundation Visible on Aerial Imagery (B7) _____ Water-Stained Leaves (B9) </td> <td style="vertical-align: top;"> <u>Secondary Indicators (minimum of two required)</u> _____ 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) _____ Geomorphic Position (D2) _____ Shallow Aquitard (D3) ☒ FAC-Neutral Test (D5) _____ Sphagnum Moss (D8) (LRR T, U) </td> </tr> </table>			Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Aquatic Fauna (B13) _____ High Water Table (A2) _____ Marl Deposits (B15) (LRR U) _____ Saturation (A3) _____ Hydrogen Sulfide Odor (C1) _____ Water Marks (B1) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Sediment Deposits (B2) _____ Presence of Reduced Iron (C4) _____ Drift Deposits (B3) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Algal Mat or Crust (B4) _____ Thin Muck Surface (C7) _____ Iron Deposits (B5) _____ Other (Explain in Remarks) _____ Inundation Visible on Aerial Imagery (B7) _____ Water-Stained Leaves (B9)		<u>Secondary Indicators (minimum of two required)</u> _____ 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) _____ Geomorphic Position (D2) _____ Shallow Aquitard (D3) ☒ FAC-Neutral Test (D5) _____ Sphagnum Moss (D8) (LRR T, U)			
Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Aquatic Fauna (B13) _____ High Water Table (A2) _____ Marl Deposits (B15) (LRR U) _____ Saturation (A3) _____ Hydrogen Sulfide Odor (C1) _____ Water Marks (B1) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Sediment Deposits (B2) _____ Presence of Reduced Iron (C4) _____ Drift Deposits (B3) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Algal Mat or Crust (B4) _____ Thin Muck Surface (C7) _____ Iron Deposits (B5) _____ Other (Explain in Remarks) _____ Inundation Visible on Aerial Imagery (B7) _____ Water-Stained Leaves (B9)		<u>Secondary Indicators (minimum of two required)</u> _____ 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) _____ Geomorphic Position (D2) _____ Shallow Aquitard (D3) ☒ FAC-Neutral Test (D5) _____ Sphagnum Moss (D8) (LRR T, U)						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; vertical-align: top;"> Field Observations: Surface Water Present? Yes _____ No ☒ Depth (inches): _____ Water Table Present? Yes _____ No ☒ Depth (inches): _____ Saturation Present? Yes _____ No ☒ Depth (inches): _____ (includes capillary fringe) </td> <td style="width:50%; vertical-align: top;"> Wetland Hydrology Present? Yes _____ No ☒ </td> </tr> <tr> <td colspan="2" style="height: 100px; vertical-align: top;"> Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: </td> </tr> <tr> <td colspan="2" style="height: 100px; vertical-align: top;"> Remarks: </td> </tr> </table>			Field Observations: Surface Water Present? Yes _____ No ☒ Depth (inches): _____ Water Table Present? Yes _____ No ☒ Depth (inches): _____ Saturation Present? Yes _____ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No ☒	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		Remarks:	
Field Observations: Surface Water Present? Yes _____ No ☒ Depth (inches): _____ Water Table Present? Yes _____ No ☒ Depth (inches): _____ Saturation Present? Yes _____ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No ☒							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:								
Remarks:								

VEGETATION (Four Strata) – Use scientific names of plants.

 Sampling Point: C-04

Tree Stratum (Plot size: <u>20 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Salix nigra</u>	<u>5</u>	☒	<u>OBL</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>5</u> (A) Total Number of Dominant Species Across All Strata: <u>7</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>71.42</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
5 = Total Cover				Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>13</u></td> <td>x 1 = <u>13</u></td> </tr> <tr> <td>FACW species <u>70</u></td> <td>x 2 = <u>140</u></td> </tr> <tr> <td>FAC species <u>55</u></td> <td>x 3 = <u>165</u></td> </tr> <tr> <td>FACU species <u>20</u></td> <td>x 4 = <u>80</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>158</u> (A)</td> <td><u>398</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>2.51</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>13</u>	x 1 = <u>13</u>	FACW species <u>70</u>	x 2 = <u>140</u>	FAC species <u>55</u>	x 3 = <u>165</u>	FACU species <u>20</u>	x 4 = <u>80</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>158</u> (A)	<u>398</u> (B)	Prevalence Index = B/A = <u>2.51</u>	
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FACW species <u>70</u>	x 2 = <u>140</u>																			
FAC species <u>55</u>	x 3 = <u>165</u>																			
FACU species <u>20</u>	x 4 = <u>80</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>158</u> (A)	<u>398</u> (B)																			
Prevalence Index = B/A = <u>2.51</u>																				
50% of total cover: <u>2.50</u> 20% of total cover: <u>1.00</u>																				
Sapling/Shrub Stratum (Plot size: <u>20 ft r</u>)																				
1. <u>Gleditsia triacanthos</u>	<u>15</u>	☒	<u>FAC</u>	Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation ☒ <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain)																
2. <u>Carya illinoensis</u>	<u>10</u>	☒	<u>FACU</u>																	
3. <u>Diospyros virginiana</u>	<u>10</u>	☒	<u>FAC</u>																	
4. <u>Celtis laevigata</u>	<u>5</u>	_____	<u>FACW</u>																	
5. <u>Fraxinus pennsylvanica</u>	<u>5</u>	_____	<u>FACW</u>																	
6. <u>Salix nigra</u>	<u>5</u>	_____	<u>OBL</u>																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
50 = Total Cover																				
50% of total cover: <u>25.00</u> 20% of total cover: <u>10.00</u>																				
Herb Stratum (Plot size: <u>5 ft r</u>)																				
1. <u>Carex cherokeensis</u>	<u>50</u>	☒	<u>FACW</u>	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 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.																
2. <u>Ambrosia trifida</u>	<u>10</u>	_____	<u>FAC</u>																	
3. <u>Schedonorus arundinaceus</u>	<u>10</u>	_____	<u>FAC</u>																	
4. <u>Thyrsanthella difformis</u>	<u>5</u>	_____	<u>FACW</u>																	
5. <u>Valerianella radiata</u>	<u>5</u>	_____	<u>FAC</u>																	
6. <u>Vernonia missurica</u>	<u>5</u>	_____	<u>FAC</u>																	
7. <u>Juncus effusus</u>	<u>3</u>	_____	<u>OBL</u>																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
88 = Total Cover																				
50% of total cover: <u>44.00</u> 20% of total cover: <u>17.60</u>																				
Woody Vine Stratum (Plot size: <u>10 ft r</u>)																				
1. <u>Lonicera japonica</u>	<u>10</u>	☒	<u>FACU</u>	Hydrophytic Vegetation Present? Yes ☒ No _____																
2. <u>Thyrsanthella difformis</u>	<u>5</u>	☒	<u>FACW</u>																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
15 = Total Cover 20%																				
50% of total cover: <u>7.50</u> of total cover: <u>3.00</u>																				

Remarks: (If observed, list morphological adaptations below.)

SOIL

Sampling Point: C-04

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 12	7.5YR 3/1	100					Silty Clay	
12 - 18	7.5YR 3/1	97	10YR 4/6	3	C	M	Silty Clay	
-								
-								
-								
-								
-								

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.²Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

☐ Histosol (A1)	☐ Thin Dark Surface (S9) (LRR S, T, U)
☐ Histic Epipedon (A2)	☐ Barrier Islands 1 cm Muck (S12)
☐ Black Histic (A3)	(MLRA 153B, 153D)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (LRR O)
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)
☐ Organic Bodies (A6) (LRR P, T, U)	☐ Depleted Matrix (F3)
☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)	☐ Redox Dark Surface (F6)
☐ Muck Presence (A8) (LRR U)	☐ Depleted Dark Surface (F7)
☐ 1 cm Muck (A9) (LRR P, T)	☐ Redox Depressions (F8)
☐ Depleted Below Dark Surface (A11)	☐ Marl (F10) (LRR U)
☐ Thick Dark Surface (A12)	☐ Depleted Ochric (F11) (MLRA 151)
☐ Coast Prairie Redox (A16) (MLRA 150A)	☐ Iron-Manganese Masses (F12) (LRR O, P, T)
☐ Iron Monosulfide (A18)	☐ Umbric Surface (F13) (LRR P, T, U)
☐ Sandy Mucky Mineral (S1) (LRR O, S)	☐ Delta Ochric (F17) (MLRA 151)
☐ Sandy Gleyed Matrix (S4)	☐ Reduced Vertic (F18) (MLRA 150A, 150B)
☐ Sandy Redox (S5)	☐ Piedmont Floodplain Soils (F19) (MLRA 149A)
☐ Stripped Matrix (S6)	☐ Anomalous Bright Floodplain Soils (F20)
☐ Dark Surface (S7) (LRR P, S, T, U)	(MLRA 149A, 153C, 153D)
☐ Polyvalue Below Surface (S8) (LRR S, T, U)	☐ Very Shallow Dark Surface (F22)
	(MLRA 138, 152A in FL, 154)

Indicators for Problematic Hydric Soils³:

☐ 1 cm Muck (A9) (LRR O)
☐ 2 cm Muck (A10) (LRR S)
☐ Coast Prairie Redox (A16)
(outside MLRA 150A)
☐ Reduced Vertic (F18)
(outside MLRA 150A, 150B)
☐ Piedmont Floodplain Soils (F19) (LRR P, T)
☐ Anomalous Bright Floodplain Soils (F20)
(MLRA 153B)
☐ Red Parent Material (F21)
☐ Very Shallow Dark Surface (F22)
(outside MLRA 138, 152A in FL, 154)
☐ Other (Explain in Remarks)

³Indicators 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:

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Atlantic and Gulf Coastal Plain Region See ERDC/EL TR-10-20; the proponent agency is CECW-COR	OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: EDCCC - Site 1 - Hwy 67 & 26 City/County: Clark County Sampling Date: 2026-05-13
Applicant/Owner: Economic Development Corporation of Clark County State: Arkansas Sampling Point: C-05
Investigator(s): Jimmy Rogers Section, Township, Range: S12 T8S R20W
Landform (hillside, terrace, etc.): Flat Local relief (concave, convex, none): None Slope (%): 0-1
Subregion (LRR or MLRA): P 135B Lat: 34.05673 Long: -93.09761 Datum: WGS 84
Soil Map Unit Name: 28 - Houston clay, 3 to 8 percent slopes, eroded NWI classification: _____

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:
Maintained (periodically mowed) field.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ☐ Surface Water (A1) ☐ Aquatic Fauna (B13) ☐ High Water Table (A2) ☐ Marl Deposits (B15) (LRR U) ☐ Saturation (A3) ☐ Hydrogen Sulfide Odor (C1) ☐ Water Marks (B1) ☐ Oxidized Rhizospheres on Living Roots (C3) ☐ Sediment Deposits (B2) ☐ Presence of Reduced Iron (C4) ☐ Drift Deposits (B3) ☐ Recent Iron Reduction in Tilled Soils (C6) ☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface (C7) ☐ Iron Deposits (B5) ☐ Other (Explain in Remarks) ☐ Inundation Visible on Aerial Imagery (B7) ☐ Water-Stained Leaves (B9)	<u>Secondary Indicators (minimum of two required)</u> ☐ 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) ☐ Geomorphic Position (D2) ☐ Shallow Aquitard (D3) ☐ FAC-Neutral Test (D5) ☐ Sphagnum Moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes _____ No ☒ Depth (inches): _____ Water Table Present? Yes _____ No ☒ Depth (inches): _____ Saturation Present? Yes _____ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No ☒
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION (Four Strata) – Use scientific names of plants.

 Sampling Point: C-05

Tree Stratum (Plot size: <u>30 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>1</u> (A) Total Number of Dominant Species Across All Strata: <u>1</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.00</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
=Total Cover				Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>80</u></td> <td>x 3 = <u>240</u></td> </tr> <tr> <td>FACU species <u>13</u></td> <td>x 4 = <u>52</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>93</u> (A)</td> <td><u>292</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.13</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>80</u>	x 3 = <u>240</u>	FACU species <u>13</u>	x 4 = <u>52</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>93</u> (A)	<u>292</u> (B)	Prevalence Index = B/A = <u>3.13</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>0</u>	x 2 = <u>0</u>																			
FAC species <u>80</u>	x 3 = <u>240</u>																			
FACU species <u>13</u>	x 4 = <u>52</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>93</u> (A)	<u>292</u> (B)																			
Prevalence Index = B/A = <u>3.13</u>																				
50% of total cover: _____ 20% of total cover: _____																				
Sapling/Shrub Stratum (Plot size: <u>30 ft r</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
=Total Cover																				
50% of total cover: _____ 20% of total cover: _____																				
Herb Stratum (Plot size: <u>10 ft r</u>)																				
1. <u>Agrostis hyemalis</u>	<u>80</u>	<u>✓</u>	<u>FAC</u>	Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>✓</u> <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ <u>_____</u> Problematic Hydrophytic Vegetation ¹ (Explain)																
2. <u>Bromus japonicus</u>	<u>5</u>	_____	_____																	
3. <u>Lolium perenne</u>	<u>5</u>	_____	<u>FACU</u>																	
4. <u>Erigeron annuus</u>	<u>3</u>	_____	<u>FACU</u>																	
5. <u>Solidago canadensis</u>	<u>3</u>	_____	<u>FACU</u>																	
6. <u>Pyrrhopappus carolinianus</u>	<u>2</u>	_____	_____																	
7. <u>Verbena brasiliensis</u>	<u>2</u>	_____	<u>FACU</u>																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
=Total Cover																				
50% of total cover: <u>50.00</u> 20% of total cover: <u>20.00</u>																				
Woody Vine Stratum (Plot size: <u>30 ft r</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
=Total Cover 20%																				
50% of total cover: _____ of total cover: _____																				
Remarks: (If observed, list morphological adaptations below.)																				

¹Indicators 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 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 _____

SOIL

Sampling Point: C-05

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 6	7.5YR 4/2	100					Clay	w/gravel
6 - 18	7.5YR 4/2	96	7.5YR 4/6	4	C	M	Clay	w/gravel
-								
-								
-								
-								
-								

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.²Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

☐ Histosol (A1)	☐ Thin Dark Surface (S9) (LRR S, T, U)
☐ Histic Epipedon (A2)	☐ Barrier Islands 1 cm Muck (S12)
☐ Black Histic (A3)	(MLRA 153B, 153D)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (LRR O)
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)
☐ Organic Bodies (A6) (LRR P, T, U)	☒ Depleted Matrix (F3)
☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)	☐ Redox Dark Surface (F6)
☐ Muck Presence (A8) (LRR U)	☐ Depleted Dark Surface (F7)
☐ 1 cm Muck (A9) (LRR P, T)	☐ Redox Depressions (F8)
☐ Depleted Below Dark Surface (A11)	☐ Marl (F10) (LRR U)
☐ Thick Dark Surface (A12)	☐ Depleted Ochric (F11) (MLRA 151)
☐ Coast Prairie Redox (A16) (MLRA 150A)	☐ Iron-Manganese Masses (F12) (LRR O, P, T)
☐ Iron Monosulfide (A18)	☐ Umbric Surface (F13) (LRR P, T, U)
☐ Sandy Mucky Mineral (S1) (LRR O, S)	☐ Delta Ochric (F17) (MLRA 151)
☐ Sandy Gleyed Matrix (S4)	☐ Reduced Vertic (F18) (MLRA 150A, 150B)
☐ Sandy Redox (S5)	☐ Piedmont Floodplain Soils (F19) (MLRA 149A)
☐ Stripped Matrix (S6)	☐ Anomalous Bright Floodplain Soils (F20)
☐ Dark Surface (S7) (LRR P, S, T, U)	(MLRA 149A, 153C, 153D)
☐ Polyvalue Below Surface (S8) (LRR S, T, U)	☐ Very Shallow Dark Surface (F22)
	(MLRA 138, 152A in FL, 154)

Indicators for Problematic Hydric Soils³:

☐ 1 cm Muck (A9) (LRR O)
☐ 2 cm Muck (A10) (LRR S)
☐ Coast Prairie Redox (A16)
(outside MLRA 150A)
☐ Reduced Vertic (F18)
(outside MLRA 150A, 150B)
☐ Piedmont Floodplain Soils (F19) (LRR P, T)
☐ Anomalous Bright Floodplain Soils (F20)
(MLRA 153B)
☐ Red Parent Material (F21)
☐ Very Shallow Dark Surface (F22)
(outside MLRA 138, 152A in FL, 154)
☐ Other (Explain in Remarks)

³Indicators 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:

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Atlantic and Gulf Coastal Plain Region See ERDC/EL TR-10-20; the proponent agency is CECW-COR		OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)						
Project/Site: <u>EDCCC - Site 1 - Hwy 67 & 26</u> City/County: <u>Clark County</u> Sampling Date: <u>2026-05-13</u>								
Applicant/Owner: <u>Economic Development Corporation of Clark County</u> State: <u>Arkansas</u> Sampling Point: <u>C-06</u>								
Investigator(s): <u>Jimmy Rogers</u> Section, Township, Range: <u>S12 T8S R20W</u>								
Landform (hillside, terrace, etc.): <u>Flat</u> Local relief (concave, convex, none): <u>None</u> Slope (%): <u>1</u>								
Subregion (LRR or MLRA): <u>P 135B</u> Lat: <u>34.05628</u> Long: <u>-93.09768</u> Datum: <u>WGS 84</u>								
Soil Map Unit Name: <u>28 - Houston clay, 3 to 8 percent slopes, eroded</u> NWI classification: _____								
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.								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 40%;"> Hydrophytic Vegetation Present? Yes ☒ No ☐ Hydric Soil Present? Yes ☐ No ☒ Wetland Hydrology Present? Yes ☐ No ☒ </td> <td style="width: 60%;"> Is the Sampled Area within a Wetland? Yes ☐ No ☒ </td> </tr> <tr> <td colspan="2" style="height: 100px; vertical-align: top;"> Remarks: </td> </tr> </table>			Hydrophytic Vegetation Present? Yes ☒ No ☐ Hydric Soil Present? Yes ☐ No ☒ Wetland Hydrology Present? Yes ☐ No ☒	Is the Sampled Area within a Wetland? Yes ☐ No ☒	Remarks:			
Hydrophytic Vegetation Present? Yes ☒ No ☐ Hydric Soil Present? Yes ☐ No ☒ Wetland Hydrology Present? Yes ☐ No ☒	Is the Sampled Area within a Wetland? Yes ☐ No ☒							
Remarks:								
HYDROLOGY								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 60%;"> Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ☐ 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) ☐ Marl Deposits (B15) (LRR U) ☐ 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) </td> <td style="width: 40%;"> <u>Secondary Indicators (minimum of two required)</u> ☐ 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) ☐ Geomorphic Position (D2) ☐ Shallow Aquitard (D3) ☐ FAC-Neutral Test (D5) ☐ Sphagnum Moss (D8) (LRR T, U) </td> </tr> </table>			Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ☐ 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) ☐ Marl Deposits (B15) (LRR U) ☐ 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)	<u>Secondary Indicators (minimum of two required)</u> ☐ 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) ☐ Geomorphic Position (D2) ☐ Shallow Aquitard (D3) ☐ FAC-Neutral Test (D5) ☐ Sphagnum Moss (D8) (LRR T, U)				
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:								
Remarks:								

VEGETATION (Four Strata) – Use scientific names of plants.

 Sampling Point: C-06

Tree Stratum (Plot size: <u>20 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Diospyros virginiana</u>	<u>3</u>	☒	<u>FAC</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>7</u> (A) Total Number of Dominant Species Across All Strata: <u>9</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>77.77</u> (A/B) Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>1</u></td> <td>x 1 = <u>1</u></td> </tr> <tr> <td>FACW species <u>27</u></td> <td>x 2 = <u>54</u></td> </tr> <tr> <td>FAC species <u>86</u></td> <td>x 3 = <u>258</u></td> </tr> <tr> <td>FACU species <u>45</u></td> <td>x 4 = <u>180</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>159</u> (A)</td> <td><u>493</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>3.10</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>1</u>	x 1 = <u>1</u>	FACW species <u>27</u>	x 2 = <u>54</u>	FAC species <u>86</u>	x 3 = <u>258</u>	FACU species <u>45</u>	x 4 = <u>180</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>159</u> (A)	<u>493</u> (B)	Prevalence Index = B/A = <u>3.10</u>	
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2. <u>Gleditsia triacanthos</u>	<u>3</u>	☒	<u>FAC</u>																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
6 = Total Cover																				
50% of total cover: <u>3.00</u>		20% of total cover: <u>1.20</u>																		
Sapling/Shrub Stratum (Plot size: <u>20 ft r</u>)																				
1. <u>Diospyros virginiana</u>	<u>20</u>	☒	<u>FAC</u>	Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation ☒ <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ _____ Problematic Hydrophytic Vegetation ¹ (Explain)																
2. <u>Gleditsia triacanthos</u>	<u>20</u>	☒	<u>FAC</u>																	
3. <u>Ulmus alata</u>	<u>20</u>	☒	<u>FACU</u>																	
4. <u>Baccharis halimifolia</u>	<u>5</u>	_____	<u>FAC</u>																	
5. <u>Fraxinus pennsylvanica</u>	<u>5</u>	_____	<u>FACW</u>																	
6. <u>Ilex decidua</u>	<u>5</u>	_____	<u>FACW</u>																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
75 = Total Cover																				
50% of total cover: <u>37.50</u>		20% of total cover: <u>15.00</u>																		
Herb Stratum (Plot size: <u>5 ft r</u>)																				
1. <u>Carex cherokeensis</u>	<u>15</u>	☒	<u>FACW</u>	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 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.																
2. <u>Valerianella radiata</u>	<u>10</u>	☒	<u>FAC</u>																	
3. <u>Ambrosia artemisiifolia</u>	<u>5</u>	_____	<u>FACU</u>																	
4. <u>Ambrosia trifida</u>	<u>5</u>	_____	<u>FAC</u>																	
5. <u>Bromus japonicus</u>	<u>5</u>	_____	_____																	
6. <u>Solidago canadensis</u>	<u>5</u>	_____	<u>FACU</u>																	
7. <u>Phalaris caroliniana</u>	<u>2</u>	_____	<u>FACW</u>																	
8. <u>Glyceria striata</u>	<u>1</u>	_____	<u>OBL</u>																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
48 = Total Cover																				
50% of total cover: <u>24.00</u>		20% of total cover: <u>9.60</u>																		
Woody Vine Stratum (Plot size: <u>10 ft r</u>)																				
1. <u>Ampelopsis arborea</u>	<u>20</u>	☒	<u>FAC</u>	Hydrophytic Vegetation Present? Yes ☒ No _____																
2. <u>Rubus trivialis</u>	<u>10</u>	☒	<u>FACU</u>																	
3. <u>Lonicera japonica</u>	<u>5</u>	_____	<u>FACU</u>																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
35 = Total Cover 20%																				
50% of total cover: <u>17.50</u>		of total cover: <u>7.00</u>																		

Remarks: (If observed, list morphological adaptations below.)

SOIL

Sampling Point: C-06

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 4	7.5YR 3/2	100					Clay	
4 - 18	7.5YR 4/3	90	7.5YR 4/6	10	C	M	Clay	
-							Clay	
-								
-								
-								
-								

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.²Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

☐ Histosol (A1)	☐ Thin Dark Surface (S9) (LRR S, T, U)
☐ Histic Epipedon (A2)	☐ Barrier Islands 1 cm Muck (S12)
☐ Black Histic (A3)	(MLRA 153B, 153D)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (LRR O)
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)
☐ Organic Bodies (A6) (LRR P, T, U)	☐ Depleted Matrix (F3)
☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)	☐ Redox Dark Surface (F6)
☐ Muck Presence (A8) (LRR U)	☐ Depleted Dark Surface (F7)
☐ 1 cm Muck (A9) (LRR P, T)	☐ Redox Depressions (F8)
☐ Depleted Below Dark Surface (A11)	☐ Marl (F10) (LRR U)
☐ Thick Dark Surface (A12)	☐ Depleted Ochric (F11) (MLRA 151)
☐ Coast Prairie Redox (A16) (MLRA 150A)	☐ Iron-Manganese Masses (F12) (LRR O, P, T)
☐ Iron Monosulfide (A18)	☐ Umbric Surface (F13) (LRR P, T, U)
☐ Sandy Mucky Mineral (S1) (LRR O, S)	☐ Delta Ochric (F17) (MLRA 151)
☐ Sandy Gleyed Matrix (S4)	☐ Reduced Vertic (F18) (MLRA 150A, 150B)
☐ Sandy Redox (S5)	☐ Piedmont Floodplain Soils (F19) (MLRA 149A)
☐ Stripped Matrix (S6)	☐ Anomalous Bright Floodplain Soils (F20)
☐ Dark Surface (S7) (LRR P, S, T, U)	(MLRA 149A, 153C, 153D)
☐ Polyvalue Below Surface (S8) (LRR S, T, U)	☐ Very Shallow Dark Surface (F22)
	(MLRA 138, 152A in FL, 154)

Indicators for Problematic Hydric Soils³:

☐ 1 cm Muck (A9) (LRR O)
☐ 2 cm Muck (A10) (LRR S)
☐ Coast Prairie Redox (A16)
(outside MLRA 150A)
☐ Reduced Vertic (F18)
(outside MLRA 150A, 150B)
☐ Piedmont Floodplain Soils (F19) (LRR P, T)
☐ Anomalous Bright Floodplain Soils (F20)
(MLRA 153B)
☐ Red Parent Material (F21)
☐ Very Shallow Dark Surface (F22)
(outside MLRA 138, 152A in FL, 154)
☐ Other (Explain in Remarks)

³Indicators 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:

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Atlantic and Gulf Coastal Plain Region See ERDC/EL TR-10-20; the proponent agency is CECW-COR	OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: EDCCC - Site 1 - Hwy 67 & 26 City/County: Clark County Sampling Date: 2026-05-13
Applicant/Owner: Economic Development Corporation of Clark County State: Arkansas Sampling Point: C-07
Investigator(s): Jimmy Rogers Section, Township, Range: S12 T8S R20W
Landform (hillside, terrace, etc.): Pond Local relief (concave, convex, none): Concave Slope (%): 0
Subregion (LRR or MLRA): P 135B Lat: 34.05740 Long: -93.09638 Datum: WGS 84
Soil Map Unit Name: 98 - Water NWI classification: PUBHh

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:
Man-made pond that has become a wetland.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ☒ Surface Water (A1) ☒ Aquatic Fauna (B13) ☐ High Water Table (A2) ☐ Marl Deposits (B15) (LRR U) ☐ Saturation (A3) ☐ Hydrogen Sulfide Odor (C1) ☒ Water Marks (B1) ☐ Oxidized Rhizospheres on Living Roots (C3) ☐ Sediment Deposits (B2) ☐ Presence of Reduced Iron (C4) ☐ Drift Deposits (B3) ☐ Recent Iron Reduction in Tilled Soils (C6) ☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface (C7) ☐ Iron Deposits (B5) ☐ Other (Explain in Remarks) ☒ Inundation Visible on Aerial Imagery (B7) ☒ Water-Stained Leaves (B9)	<u>Secondary Indicators (minimum of two required)</u> ☐ 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) ☐ Geomorphic Position (D2) ☐ Shallow Aquitard (D3) ☒ FAC-Neutral Test (D5) ☐ Sphagnum Moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes ☒ No ☐ Depth (inches): <u>8</u> Water Table Present? Yes ☐ No ☒ Depth (inches): <u> </u> Saturation Present? Yes ☐ No ☒ Depth (inches): <u> </u> (includes capillary fringe)	Wetland Hydrology Present? Yes ☒ No ☐
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION (Four Strata) – Use scientific names of plants.

 Sampling Point: C-07

Tree Stratum (Plot size: <u>15 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Salix nigra</u>	<u>5</u>	☒	<u>OBL</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.00</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
5 = Total Cover				Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>95</u></td> <td>x 1 = <u>95</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>95</u> (A)</td> <td><u>95</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>1.00</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>95</u>	x 1 = <u>95</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>95</u> (A)	<u>95</u> (B)	Prevalence Index = B/A = <u>1.00</u>	
Total % Cover of:	Multiply by:																			
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FACW species <u>0</u>	x 2 = <u>0</u>																			
FAC species <u>0</u>	x 3 = <u>0</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>95</u> (A)	<u>95</u> (B)																			
Prevalence Index = B/A = <u>1.00</u>																				
50% of total cover: <u>2.50</u> 20% of total cover: <u>1.00</u>																				
Sapling/Shrub Stratum (Plot size: <u>15 ft r</u>)																				
1. _____	_____	_____	_____	Hydrophytic Vegetation Indicators: ☒ 1 - Rapid Test for Hydrophytic Vegetation ☒ 2 - Dominance Test is >50% ☒ 3 - Prevalence Index is ≤3.0 ¹ <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
_____ = Total Cover																				
50% of total cover: _____ 20% of total cover: _____																				
Herb Stratum (Plot size: <u>15 ft r</u>)																				
1. <u>Persicaria punctata</u>	<u>80</u>	☒	<u>OBL</u>	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 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.																
2. <u>Juncus effusus</u>	<u>10</u>	_____	<u>OBL</u>																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
90 = Total Cover																				
50% of total cover: <u>45.00</u> 20% of total cover: <u>18.00</u>																				
Woody Vine Stratum (Plot size: <u>15 ft r</u>)																				
1. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes ☒ No _____																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
_____ = Total Cover 20%																				
50% of total cover: _____ of total cover: _____																				
Remarks: (If observed, list morphological adaptations below.)																				

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
-								
-								
-								
-								
-								
-								
-								
-								

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

☐ Histosol (A1)	☐ Thin Dark Surface (S9) (LRR S, T, U)
☐ Histic Epipedon (A2)	☐ Barrier Islands 1 cm Muck (S12)
☐ Black Histic (A3)	(MLRA 153B, 153D)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (LRR O)
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)
☐ Organic Bodies (A6) (LRR P, T, U)	☐ Depleted Matrix (F3)
☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)	☐ Redox Dark Surface (F6)
☐ Muck Presence (A8) (LRR U)	☐ Depleted Dark Surface (F7)
☐ 1 cm Muck (A9) (LRR P, T)	☐ Redox Depressions (F8)
☐ Depleted Below Dark Surface (A11)	☐ Marl (F10) (LRR U)
☐ Thick Dark Surface (A12)	☐ Depleted Ochric (F11) (MLRA 151)
☐ Coast Prairie Redox (A16) (MLRA 150A)	☐ Iron-Manganese Masses (F12) (LRR O, P, T)
☐ Iron Monosulfide (A18)	☐ Umbric Surface (F13) (LRR P, T, U)
☐ Sandy Mucky Mineral (S1) (LRR O, S)	☐ Delta Ochric (F17) (MLRA 151)
☐ Sandy Gleyed Matrix (S4)	☐ Reduced Vertic (F18) (MLRA 150A, 150B)
☐ Sandy Redox (S5)	☐ Piedmont Floodplain Soils (F19) (MLRA 149A)
☐ Stripped Matrix (S6)	☐ Anomalous Bright Floodplain Soils (F20)
☐ Dark Surface (S7) (LRR P, S, T, U)	(MLRA 149A, 153C, 153D)
☐ Polyvalue Below Surface (S8)	☐ Very Shallow Dark Surface (F22)
(LRR S, T, U)	(MLRA 138, 152A in FL, 154)

Indicators for Problematic Hydric Soils³:

☐ 1 cm Muck (A9) (LRR O)
☐ 2 cm Muck (A10) (LRR S)
☐ Coast Prairie Redox (A16)
(outside MLRA 150A)
☐ Reduced Vertic (F18)
(outside MLRA 150A, 150B)
☐ Piedmont Floodplain Soils (F19) (LRR P, T)
☐ Anomalous Bright Floodplain Soils (F20)
(MLRA 153B)
☐ Red Parent Material (F21)
☐ Very Shallow Dark Surface (F22)
(outside MLRA 138, 152A in FL, 154)
☒ Other (Explain in Remarks)

³Indicators 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:

No pit dug due to inundation; soils assumed hydric.

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Atlantic and Gulf Coastal Plain Region See ERDC/EL TR-10-20; the proponent agency is CECW-COR	OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: EDCCC - Site 1 - Hwy 67 & 26 City/County: Clark County Sampling Date: 2026-05-13
Applicant/Owner: Economic Development Corporation of Clark County State: Arkansas Sampling Point: C-08
Investigator(s): Jimmy Rogers Section, Township, Range: S12 T8S R20W
Landform (hillside, terrace, etc.): Slope Local relief (concave, convex, none): None Slope (%): 2-5
Subregion (LRR or MLRA): P 135B Lat: 34.05751 Long: -93.09617 Datum: WGS 84
Soil Map Unit Name: 98 - Water NWI classification: PUBHh

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:
Area appears disturbed, likely associated with construction of pond.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ☐ Surface Water (A1) ☐ Aquatic Fauna (B13) ☐ High Water Table (A2) ☐ Marl Deposits (B15) (LRR U) ☐ Saturation (A3) ☐ Hydrogen Sulfide Odor (C1) ☐ Water Marks (B1) ☐ Oxidized Rhizospheres on Living Roots (C3) ☐ Sediment Deposits (B2) ☐ Presence of Reduced Iron (C4) ☐ Drift Deposits (B3) ☐ Recent Iron Reduction in Tilled Soils (C6) ☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface (C7) ☐ Iron Deposits (B5) ☐ Other (Explain in Remarks) ☐ Inundation Visible on Aerial Imagery (B7) ☐ Water-Stained Leaves (B9)	<u>Secondary Indicators (minimum of two required)</u> ☐ 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) ☐ Geomorphic Position (D2) ☐ Shallow Aquitard (D3) ☐ FAC-Neutral Test (D5) ☐ Sphagnum Moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes ☐ No ☒ Depth (inches): Water Table Present? Yes ☐ No ☒ Depth (inches): Saturation Present? Yes ☐ No ☒ Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes ☐ No ☒
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION (Four Strata) – Use scientific names of plants.

 Sampling Point: C-08

Tree Stratum (Plot size: <u>15 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Fraxinus pennsylvanica</u>	<u>5</u>	☒	<u>FACW</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>7</u> (A) Total Number of Dominant Species Across All Strata: <u>9</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>77.77</u> (A/B)																
2. <u>Diospyros virginiana</u>	<u>3</u>	☒	<u>FAC</u>																	
3. <u>Pinus taeda</u>	<u>3</u>	☒	<u>FAC</u>																	
4. <u>Pyrus calleryana</u>	<u>3</u>	☒																		
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
		<u>14</u>	=Total Cover																	
50% of total cover: <u>7.00</u>		20% of total cover: <u>2.80</u>																		
Sapling/Shrub Stratum (Plot size: <u>15 ft r</u>)																				
1. <u>Ulmus alata</u>	<u>20</u>	☒	<u>FACU</u>	Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>20</u></td> <td>x 1 = <u>20</u></td> </tr> <tr> <td>FACW species <u>12</u></td> <td>x 2 = <u>24</u></td> </tr> <tr> <td>FAC species <u>89</u></td> <td>x 3 = <u>267</u></td> </tr> <tr> <td>FACU species <u>40</u></td> <td>x 4 = <u>160</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>161</u> (A)</td> <td><u>471</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.92</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>20</u>	x 1 = <u>20</u>	FACW species <u>12</u>	x 2 = <u>24</u>	FAC species <u>89</u>	x 3 = <u>267</u>	FACU species <u>40</u>	x 4 = <u>160</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>161</u> (A)	<u>471</u> (B)	Prevalence Index = B/A = <u>2.92</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>20</u>	x 1 = <u>20</u>																			
FACW species <u>12</u>	x 2 = <u>24</u>																			
FAC species <u>89</u>	x 3 = <u>267</u>																			
FACU species <u>40</u>	x 4 = <u>160</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>161</u> (A)	<u>471</u> (B)																			
Prevalence Index = B/A = <u>2.92</u>																				
2. <u>Baccharis halimifolia</u>	<u>15</u>	☒	<u>FAC</u>																	
3. <u>Carya illinoensis</u>	<u>15</u>	☒	<u>FACU</u>																	
4. <u>Diospyros virginiana</u>	<u>5</u>		<u>FAC</u>																	
5. <u>Fraxinus pennsylvanica</u>	<u>5</u>		<u>FACW</u>																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
		<u>60</u>	=Total Cover																	
50% of total cover: <u>30.00</u>		20% of total cover: <u>12.00</u>																		
Herb Stratum (Plot size: <u>5 ft r</u>)																				
1. <u>Juncus effusus</u>	<u>20</u>	☒	<u>OBL</u>	Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation ☒ <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain)																
2. <u>Agrostis hyemalis</u>	<u>10</u>	☒	<u>FAC</u>																	
3. <u>Carex aureolensis</u>	<u>10</u>	☒																		
4. <u>Ambrosia artemisiifolia</u>	<u>5</u>		<u>FACU</u>																	
5. <u>Juncus tenuis</u>	<u>5</u>		<u>FAC</u>																	
6. <u>Rumex crispus</u>	<u>5</u>		<u>FAC</u>																	
7. <u>Valerianella radiata</u>	<u>5</u>		<u>FAC</u>																	
8. <u>Cyclosporum leptophyllum</u>	<u>3</u>		<u>FAC</u>																	
9. <u>Solidago sp.</u>	<u>3</u>																			
10. <u>Galium tinctorium</u>	<u>2</u>		<u>FACW</u>																	
11. <u>Vernonia missurica</u>	<u>2</u>		<u>FAC</u>																	
12. _____	_____	_____	_____																	
		<u>70</u>	=Total Cover																	
50% of total cover: <u>35.00</u>		20% of total cover: <u>14.00</u>																		
Woody Vine Stratum (Plot size: <u>30 ft r</u>)																				
1. <u>Rubus argutus</u>	<u>30</u>	☒	<u>FAC</u>	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 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.																
2. <u>Campsis radicans</u>	<u>3</u>		<u>FAC</u>																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
		<u>33</u>	=Total Cover 20%																	
50% of total cover: <u>16.50</u>		of total cover: <u>6.60</u>																		

Remarks: (If observed, list morphological adaptations below.)

SOIL

Sampling Point: C-08

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 10	7.5YR 3/3	100					Silty Clay	w/ gravel
10 - 14	7.5YR 4/2	90	7.5YR 4/6	10	C	M	Silty Clay	w/ gravel
14 - 18	7.5YR 5/1	70	7.5YR 4/6	30	C	M	Silty Clay	w/ gravel
-								
-								
-								
-								

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.²Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

☐ Histosol (A1)	☐ Thin Dark Surface (S9) (LRR S, T, U)
☐ Histic Epipedon (A2)	☐ Barrier Islands 1 cm Muck (S12)
☐ Black Histic (A3)	(MLRA 153B, 153D)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (LRR O)
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)
☐ Organic Bodies (A6) (LRR P, T, U)	☐ Depleted Matrix (F3)
☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)	☐ Redox Dark Surface (F6)
☐ Muck Presence (A8) (LRR U)	☐ Depleted Dark Surface (F7)
☐ 1 cm Muck (A9) (LRR P, T)	☐ Redox Depressions (F8)
☐ Depleted Below Dark Surface (A11)	☐ Marl (F10) (LRR U)
☐ Thick Dark Surface (A12)	☐ Depleted Ochric (F11) (MLRA 151)
☐ Coast Prairie Redox (A16) (MLRA 150A)	☐ Iron-Manganese Masses (F12) (LRR O, P, T)
☐ Iron Monosulfide (A18)	☐ Umbric Surface (F13) (LRR P, T, U)
☐ Sandy Mucky Mineral (S1) (LRR O, S)	☐ Delta Ochric (F17) (MLRA 151)
☐ Sandy Gleyed Matrix (S4)	☐ Reduced Vertic (F18) (MLRA 150A, 150B)
☐ Sandy Redox (S5)	☐ Piedmont Floodplain Soils (F19) (MLRA 149A)
☐ Stripped Matrix (S6)	☐ Anomalous Bright Floodplain Soils (F20)
☐ Dark Surface (S7) (LRR P, S, T, U)	(MLRA 149A, 153C, 153D)
☐ Polyvalue Below Surface (S8) (LRR S, T, U)	☐ Very Shallow Dark Surface (F22)
	(MLRA 138, 152A in FL, 154)

Indicators for Problematic Hydric Soils³:

☐ 1 cm Muck (A9) (LRR O)
☐ 2 cm Muck (A10) (LRR S)
☐ Coast Prairie Redox (A16)
(outside MLRA 150A)
☐ Reduced Vertic (F18)
(outside MLRA 150A, 150B)
☐ Piedmont Floodplain Soils (F19) (LRR P, T)
☐ Anomalous Bright Floodplain Soils (F20)
(MLRA 153B)
☐ Red Parent Material (F21)
☐ Very Shallow Dark Surface (F22)
(outside MLRA 138, 152A in FL, 154)
☐ Other (Explain in Remarks)

³Indicators 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:

Soil appears to be disturbed/fill, likely associated with original construction of pond.

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Atlantic and Gulf Coastal Plain Region See ERDC/EL TR-10-20; the proponent agency is CECW-COR	OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: EDCCC - Site 1 - Hwy 67 & 26 City/County: Clark County Sampling Date: 2026-05-13
Applicant/Owner: Economic Development Corporation of Clark County State: Arkansas Sampling Point: C-09
Investigator(s): Jimmy Rogers Section, Township, Range: S12 T8S R20W
Landform (hillside, terrace, etc.): Pond Local relief (concave, convex, none): Concave Slope (%): 0
Subregion (LRR or MLRA): P 135B Lat: 34.05647 Long: -93.09662 Datum: WGS 84
Soil Map Unit Name: 98 - Water NWI classification: PUBHh

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:
Man-made pond that has become a wetland.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ☒ Surface Water (A1) ☒ Aquatic Fauna (B13) ☐ High Water Table (A2) ☐ Marl Deposits (B15) (LRR U) ☐ Saturation (A3) ☐ Hydrogen Sulfide Odor (C1) ☒ Water Marks (B1) ☐ Oxidized Rhizospheres on Living Roots (C3) ☐ Sediment Deposits (B2) ☐ Presence of Reduced Iron (C4) ☐ Drift Deposits (B3) ☐ Recent Iron Reduction in Tilled Soils (C6) ☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface (C7) ☐ Iron Deposits (B5) ☐ Other (Explain in Remarks) ☒ Inundation Visible on Aerial Imagery (B7) ☒ Water-Stained Leaves (B9)	<u>Secondary Indicators (minimum of two required)</u> ☐ 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) ☐ Geomorphic Position (D2) ☐ Shallow Aquitard (D3) ☒ FAC-Neutral Test (D5) ☐ Sphagnum Moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes ☒ No ☐ Depth (inches): <u>12</u> Water Table Present? Yes ☐ No ☒ Depth (inches): <u> </u> Saturation Present? Yes ☐ No ☒ Depth (inches): <u> </u> (includes capillary fringe)	Wetland Hydrology Present? Yes ☒ No ☐
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION (Four Strata) – Use scientific names of plants.

 Sampling Point: C-09

Tree Stratum (Plot size: <u>15 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Salix nigra</u>	<u>10</u>	☒	<u>OBL</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>2</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.00</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
10 = Total Cover				Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>103</u></td> <td>x 1 = <u>103</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>0</u></td> <td>x 3 = <u>0</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>103</u> (A)</td> <td><u>103</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>1.00</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>103</u>	x 1 = <u>103</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>0</u>	x 3 = <u>0</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>103</u> (A)	<u>103</u> (B)	Prevalence Index = B/A = <u>1.00</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>103</u>	x 1 = <u>103</u>																			
FACW species <u>0</u>	x 2 = <u>0</u>																			
FAC species <u>0</u>	x 3 = <u>0</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>103</u> (A)	<u>103</u> (B)																			
Prevalence Index = B/A = <u>1.00</u>																				
50% of total cover: <u>5.00</u> 20% of total cover: <u>2.00</u>																				
Sapling/Shrub Stratum (Plot size: <u>15 ft r</u>)																				
1. _____	_____	_____	_____	Hydrophytic Vegetation Indicators: ☒ 1 - Rapid Test for Hydrophytic Vegetation ☒ 2 - Dominance Test is >50% ☒ 3 - Prevalence Index is ≤3.0 ¹ _____ Problematic Hydrophytic Vegetation ¹ (Explain)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
_____ = Total Cover																				
50% of total cover: _____ 20% of total cover: _____																				
Herb Stratum (Plot size: <u>15 ft r</u>)																				
1. <u>Persicaria punctata</u>	<u>80</u>	☒	<u>OBL</u>	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 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.																
2. <u>Juncus effusus</u>	<u>10</u>	_____	<u>OBL</u>																	
3. <u>Scirpus cyperinus</u>	<u>3</u>	_____	<u>OBL</u>																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
93 = Total Cover																				
50% of total cover: <u>46.50</u> 20% of total cover: <u>18.60</u>																				
Woody Vine Stratum (Plot size: <u>15 ft r</u>)																				
1. _____	_____	_____	_____	Hydrophytic Vegetation Present? Yes ☒ No _____																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
_____ = Total Cover 20%																				
50% of total cover: _____ of total cover: _____																				
Remarks: (If observed, list morphological adaptations below.)																				

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
-								
-								
-								
-								
-								
-								
-								
-								

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.

²Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)

☐ Histosol (A1)	☐ Thin Dark Surface (S9) (LRR S, T, U)
☐ Histic Epipedon (A2)	☐ Barrier Islands 1 cm Muck (S12)
☐ Black Histic (A3)	(MLRA 153B, 153D)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (LRR O)
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)
☐ Organic Bodies (A6) (LRR P, T, U)	☐ Depleted Matrix (F3)
☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)	☐ Redox Dark Surface (F6)
☐ Muck Presence (A8) (LRR U)	☐ Depleted Dark Surface (F7)
☐ 1 cm Muck (A9) (LRR P, T)	☐ Redox Depressions (F8)
☐ Depleted Below Dark Surface (A11)	☐ Marl (F10) (LRR U)
☐ Thick Dark Surface (A12)	☐ Depleted Ochric (F11) (MLRA 151)
☐ Coast Prairie Redox (A16) (MLRA 150A)	☐ Iron-Manganese Masses (F12) (LRR O, P, T)
☐ Iron Monosulfide (A18)	☐ Umbric Surface (F13) (LRR P, T, U)
☐ Sandy Mucky Mineral (S1) (LRR O, S)	☐ Delta Ochric (F17) (MLRA 151)
☐ Sandy Gleyed Matrix (S4)	☐ Reduced Vertic (F18) (MLRA 150A, 150B)
☐ Sandy Redox (S5)	☐ Piedmont Floodplain Soils (F19) (MLRA 149A)
☐ Stripped Matrix (S6)	☐ Anomalous Bright Floodplain Soils (F20)
☐ Dark Surface (S7) (LRR P, S, T, U)	(MLRA 149A, 153C, 153D)
☐ Polyvalue Below Surface (S8)	☐ Very Shallow Dark Surface (F22)
(LRR S, T, U)	(MLRA 138, 152A in FL, 154)

Indicators for Problematic Hydric Soils³:

☐ 1 cm Muck (A9) (LRR O)
☐ 2 cm Muck (A10) (LRR S)
☐ Coast Prairie Redox (A16)
(outside MLRA 150A)
☐ Reduced Vertic (F18)
(outside MLRA 150A, 150B)
☐ Piedmont Floodplain Soils (F19) (LRR P, T)
☐ Anomalous Bright Floodplain Soils (F20)
(MLRA 153B)
☐ Red Parent Material (F21)
☐ Very Shallow Dark Surface (F22)
(outside MLRA 138, 152A in FL, 154)
☒ Other (Explain in Remarks)

³Indicators 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:

No pit dug due to inundation; soils assumed hydric.

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Atlantic and Gulf Coastal Plain Region See ERDC/EL TR-10-20; the proponent agency is CECW-COR	OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: EDCCC - Site 1 - Hwy 67 & 26 City/County: Clark County Sampling Date: 2026-05-13
Applicant/Owner: Economic Development Corporation of Clark County State: Arkansas Sampling Point: C-10
Investigator(s): Jimmy Rogers Section, Township, Range: S12 T8S R20W
Landform (hillside, terrace, etc.): Pond Local relief (concave, convex, none): None Slope (%): 2
Subregion (LRR or MLRA): P 135B Lat: 34.05650 Long: -93.09698 Datum: WGS 84
Soil Map Unit Name: 98 - Water NWI classification: PUBHh

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:
Former edge of pond area, historical disturbed associated with construction of pond then conversion from a pond to a vegetated area as part of the pond became a wetland and covered less area.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ☐ Surface Water (A1) ☐ Aquatic Fauna (B13) ☐ High Water Table (A2) ☐ Marl Deposits (B15) (LRR U) ☐ Saturation (A3) ☐ Hydrogen Sulfide Odor (C1) ☐ Water Marks (B1) ☐ Oxidized Rhizospheres on Living Roots (C3) ☐ Sediment Deposits (B2) ☐ Presence of Reduced Iron (C4) ☐ Drift Deposits (B3) ☐ Recent Iron Reduction in Tilled Soils (C6) ☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface (C7) ☐ Iron Deposits (B5) ☐ Other (Explain in Remarks) ☐ Inundation Visible on Aerial Imagery (B7) ☐ Water-Stained Leaves (B9)	<u>Secondary Indicators (minimum of two required)</u> ☐ 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) ☐ Geomorphic Position (D2) ☐ Shallow Aquitard (D3) ☐ FAC-Neutral Test (D5) ☐ Sphagnum Moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes ☐ No ☒ Depth (inches): Water Table Present? Yes ☐ No ☒ Depth (inches): Saturation Present? Yes ☐ No ☒ Depth (inches): (includes capillary fringe)	Wetland Hydrology Present? Yes ☐ No ☒
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION (Four Strata) – Use scientific names of plants.

 Sampling Point: C-10

Tree Stratum (Plot size: <u>15 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Pinus taeda</u>	<u>25</u>	☒	<u>FAC</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>3</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>50.00</u> (A/B)																
2. <u>Fraxinus pennsylvanica</u>	<u>5</u>		<u>FACW</u>																	
3. <u>Quercus pagoda</u>	<u>5</u>		<u>FAC</u>																	
4. <u>Salix nigra</u>	<u>5</u>		<u>OBL</u>																	
5. _____	_____																			
6. _____	_____																			
7. _____	_____																			
8. _____	_____																			
<u>40</u> = Total Cover																				
50% of total cover: <u>20.00</u>		20% of total cover: <u>8.00</u>																		
Sapling/Shrub Stratum (Plot size: <u>15 ft r</u>)																				
1. <u>Ligustrum sinense</u>	<u>20</u>	☒	<u>FAC</u>	Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>5</u></td> <td>x 1 = <u>5</u></td> </tr> <tr> <td>FACW species <u>5</u></td> <td>x 2 = <u>10</u></td> </tr> <tr> <td>FAC species <u>78</u></td> <td>x 3 = <u>234</u></td> </tr> <tr> <td>FACU species <u>30</u></td> <td>x 4 = <u>120</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>118</u> (A)</td> <td><u>369</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.12</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>5</u>	x 1 = <u>5</u>	FACW species <u>5</u>	x 2 = <u>10</u>	FAC species <u>78</u>	x 3 = <u>234</u>	FACU species <u>30</u>	x 4 = <u>120</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>118</u> (A)	<u>369</u> (B)	Prevalence Index = B/A = <u>3.12</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>5</u>	x 1 = <u>5</u>																			
FACW species <u>5</u>	x 2 = <u>10</u>																			
FAC species <u>78</u>	x 3 = <u>234</u>																			
FACU species <u>30</u>	x 4 = <u>120</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>118</u> (A)	<u>369</u> (B)																			
Prevalence Index = B/A = <u>3.12</u>																				
2. <u>Carya sp.</u>	<u>2</u>																			
3. _____	_____																			
4. _____	_____																			
5. _____	_____																			
6. _____	_____																			
7. _____	_____																			
8. _____	_____																			
<u>22</u> = Total Cover																				
50% of total cover: <u>11.00</u>		20% of total cover: <u>4.40</u>																		
Herb Stratum (Plot size: <u>30 ft r</u>)																				
1. <u>Phytolacca americana</u>	<u>5</u>	☒	<u>FACU</u>	Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 ¹ <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain)																
2. <u>Solidago altissima</u>	<u>5</u>	☒	<u>FACU</u>																	
3. <u>Galium aparine</u>	<u>3</u>		<u>FACU</u>																	
4. <u>Taraxacum officinale</u>	<u>2</u>		<u>FACU</u>																	
5. <u>Nemophila phacelioides</u>	<u>1</u>																			
6. _____	_____																			
7. _____	_____																			
8. _____	_____																			
9. _____	_____																			
10. _____	_____																			
11. _____	_____																			
12. _____	_____																			
<u>16</u> = Total Cover																				
50% of total cover: <u>8.00</u>		20% of total cover: <u>3.20</u>																		
Woody Vine Stratum (Plot size: <u>30 ft r</u>)																				
1. <u>Ampelopsis arborea</u>	<u>20</u>	☒	<u>FAC</u>	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 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.																
2. <u>Lonicera japonica</u>	<u>15</u>	☒	<u>FACU</u>																	
3. <u>Smilax rotundifolia</u>	<u>5</u>		<u>FAC</u>																	
4. <u>Cocculus carolinus</u>	<u>3</u>		<u>FAC</u>																	
5. _____	_____																			
<u>43</u> = Total Cover 20%																				
50% of total cover: <u>21.50</u>		of total cover: <u>8.60</u>																		

Hydrophytic Vegetation Present? Yes No ☒

Remarks: (If observed, list morphological adaptations below.)

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 4	7.5YR 4/2	90	7.5YR 4/6	10	C	M	Silty Clay	
4 - 18	7.5YR 4/1	80	7.5YR 4/6	20	C	M	Clay	
-								
-								
-								
-								
-								
-								

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

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ Thin Dark Surface (S9) (LRR S, T, U)	☐ 1 cm Muck (A9) (LRR O)
☐ Histic Epipedon (A2)	☐ Barrier Islands 1 cm Muck (S12)	☐ 2 cm Muck (A10) (LRR S)
☐ Black Histic (A3)	(MLRA 153B, 153D)	☐ Coast Prairie Redox (A16)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (LRR O)	(outside MLRA 150A)
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)	☐ Reduced Vertic (F18)
☐ Organic Bodies (A6) (LRR P, T, U)	☒ Depleted Matrix (F3)	(outside MLRA 150A, 150B)
☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)	☐ Redox Dark Surface (F6)	☐ Piedmont Floodplain Soils (F19) (LRR P, T)
☐ Muck Presence (A8) (LRR U)	☐ Depleted Dark Surface (F7)	☐ Anomalous Bright Floodplain Soils (F20)
☐ 1 cm Muck (A9) (LRR P, T)	☐ Redox Depressions (F8)	(MLRA 153B)
☐ Depleted Below Dark Surface (A11)	☐ Marl (F10) (LRR U)	☐ Red Parent Material (F21)
☐ Thick Dark Surface (A12)	☐ Depleted Ochric (F11) (MLRA 151)	☐ Very Shallow Dark Surface (F22)
☐ Coast Prairie Redox (A16) (MLRA 150A)	☐ Iron-Manganese Masses (F12) (LRR O, P, T)	(outside MLRA 138, 152A in FL, 154)
☐ Iron Monosulfide (A18)	☐ Umbric Surface (F13) (LRR P, T, U)	☐ Other (Explain in Remarks)
☐ Sandy Mucky Mineral (S1) (LRR O, S)	☐ Delta Ochric (F17) (MLRA 151)	
☐ Sandy Gleyed Matrix (S4)	☐ Reduced Vertic (F18) (MLRA 150A, 150B)	
☐ Sandy Redox (S5)	☐ Piedmont Floodplain Soils (F19) (MLRA 149A)	
☐ Stripped Matrix (S6)	☐ Anomalous Bright Floodplain Soils (F20)	
☐ Dark Surface (S7) (LRR P, S, T, U)	(MLRA 149A, 153C, 153D)	
☐ Polyvalue Below Surface (S8) (LRR S, T, U)	☐ Very Shallow Dark Surface (F22) (MLRA 138, 152A in FL, 154)	

³Indicators 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 ☐
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Remarks:
 Hydric soils likely relic from when area was part of pond.

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Atlantic and Gulf Coastal Plain Region See ERDC/EL TR-10-20; the proponent agency is CECW-COR		OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)						
Project/Site: <u>EDCCC - Site 1 - Hwy 67 & 26</u> City/County: <u>Clark County</u> Sampling Date: <u>2026-05-13</u>								
Applicant/Owner: <u>Economic Development Corporation of Clark County</u> State: <u>Arkansas</u> Sampling Point: <u>C-11</u>								
Investigator(s): <u>Jimmy Rogers</u> Section, Township, Range: <u>S12 T8S R20W</u>								
Landform (hillside, terrace, etc.): <u>Drainageway</u> Local relief (concave, convex, none): <u>Linear</u> Slope (%): <u>1-2</u>								
Subregion (LRR or MLRA): <u>P 135B</u> Lat: <u>34.05543</u> Long: <u>-93.09683</u> Datum: <u>WGS 84</u>								
Soil Map Unit Name: <u>28 - Houston clay, 3 to 8 percent slopes, eroded</u> NWI classification: _____								
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.								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> Hydrophytic Vegetation Present? Yes ☒ No _____ Hydric Soil Present? Yes ☒ No _____ Wetland Hydrology Present? Yes ☒ No _____ </td> <td style="width: 50%; vertical-align: top;"> Is the Sampled Area within a Wetland? Yes ☒ No _____ </td> </tr> <tr> <td colspan="2" style="height: 100px; vertical-align: top;"> Remarks: </td> </tr> </table>			Hydrophytic Vegetation Present? Yes ☒ No _____ Hydric Soil Present? Yes ☒ No _____ Wetland Hydrology Present? Yes ☒ No _____	Is the Sampled Area within a Wetland? Yes ☒ No _____	Remarks:			
Hydrophytic Vegetation Present? Yes ☒ No _____ Hydric Soil Present? Yes ☒ No _____ Wetland Hydrology Present? Yes ☒ No _____	Is the Sampled Area within a Wetland? Yes ☒ No _____							
Remarks:								
HYDROLOGY								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="width: 60%;"> Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Aquatic Fauna (B13) _____ High Water Table (A2) _____ Marl Deposits (B15) (LRR U) ☒ Saturation (A3) _____ Hydrogen Sulfide Odor (C1) _____ Water Marks (B1) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Sediment Deposits (B2) _____ Presence of Reduced Iron (C4) ☒ Drift Deposits (B3) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Algal Mat or Crust (B4) _____ Thin Muck Surface (C7) _____ Iron Deposits (B5) _____ Other (Explain in Remarks) _____ Inundation Visible on Aerial Imagery (B7) ☒ Water-Stained Leaves (B9) </td> <td style="width: 40%;"> <u>Secondary Indicators (minimum of two required)</u> _____ 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) _____ Geomorphic Position (D2) _____ Shallow Aquitard (D3) ☒ FAC-Neutral Test (D5) _____ Sphagnum Moss (D8) (LRR T, U) </td> </tr> </table>			Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Aquatic Fauna (B13) _____ High Water Table (A2) _____ Marl Deposits (B15) (LRR U) ☒ Saturation (A3) _____ Hydrogen Sulfide Odor (C1) _____ Water Marks (B1) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Sediment Deposits (B2) _____ Presence of Reduced Iron (C4) ☒ Drift Deposits (B3) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Algal Mat or Crust (B4) _____ Thin Muck Surface (C7) _____ Iron Deposits (B5) _____ Other (Explain in Remarks) _____ Inundation Visible on Aerial Imagery (B7) ☒ Water-Stained Leaves (B9)		<u>Secondary Indicators (minimum of two required)</u> _____ 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) _____ Geomorphic Position (D2) _____ Shallow Aquitard (D3) ☒ FAC-Neutral Test (D5) _____ Sphagnum Moss (D8) (LRR T, U)			
Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> _____ Surface Water (A1) _____ Aquatic Fauna (B13) _____ High Water Table (A2) _____ Marl Deposits (B15) (LRR U) ☒ Saturation (A3) _____ Hydrogen Sulfide Odor (C1) _____ Water Marks (B1) _____ Oxidized Rhizospheres on Living Roots (C3) _____ Sediment Deposits (B2) _____ Presence of Reduced Iron (C4) ☒ Drift Deposits (B3) _____ Recent Iron Reduction in Tilled Soils (C6) _____ Algal Mat or Crust (B4) _____ Thin Muck Surface (C7) _____ Iron Deposits (B5) _____ Other (Explain in Remarks) _____ Inundation Visible on Aerial Imagery (B7) ☒ Water-Stained Leaves (B9)		<u>Secondary Indicators (minimum of two required)</u> _____ 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) _____ Geomorphic Position (D2) _____ Shallow Aquitard (D3) ☒ FAC-Neutral Test (D5) _____ Sphagnum Moss (D8) (LRR T, U)						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> Field Observations: Surface Water Present? Yes _____ No ☒ Depth (inches): _____ Water Table Present? Yes ☒ No _____ Depth (inches): <u>16</u> Saturation Present? Yes ☒ No _____ Depth (inches): <u>8</u> (includes capillary fringe) </td> <td style="width: 50%; vertical-align: top;"> Wetland Hydrology Present? Yes ☒ No _____ </td> </tr> <tr> <td colspan="2" style="height: 100px; vertical-align: top;"> Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: </td> </tr> <tr> <td colspan="2" style="height: 100px; vertical-align: top;"> Remarks: </td> </tr> </table>			Field Observations: Surface Water Present? Yes _____ No ☒ Depth (inches): _____ Water Table Present? Yes ☒ No _____ Depth (inches): <u>16</u> Saturation Present? Yes ☒ No _____ Depth (inches): <u>8</u> (includes capillary fringe)	Wetland Hydrology Present? Yes ☒ No _____	Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:		Remarks:	
Field Observations: Surface Water Present? Yes _____ No ☒ Depth (inches): _____ Water Table Present? Yes ☒ No _____ Depth (inches): <u>16</u> Saturation Present? Yes ☒ No _____ Depth (inches): <u>8</u> (includes capillary fringe)	Wetland Hydrology Present? Yes ☒ No _____							
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:								
Remarks:								

VEGETATION (Four Strata) – Use scientific names of plants.

 Sampling Point: C-11

Tree Stratum (Plot size: <u>15 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. <u>Fraxinus pennsylvanica</u>	<u>15</u>	☒	<u>FACW</u>	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>11</u> (A) Total Number of Dominant Species Across All Strata: <u>10</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>110.00</u> (A/B)																
2. <u>Celtis laevigata</u>	<u>5</u>	☒	<u>FACW</u>																	
3. <u>Diospyros virginiana</u>	<u>5</u>	☒	<u>FAC</u>																	
4. <u>Gleditsia triacanthos</u>	<u>5</u>	☒	<u>FAC</u>																	
5. <u>Salix nigra</u>	<u>5</u>	☒	<u>OBL</u>																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
		<u>35</u>	=Total Cover	Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>25</u></td> <td>x 1 = <u>25</u></td> </tr> <tr> <td>FACW species <u>65</u></td> <td>x 2 = <u>130</u></td> </tr> <tr> <td>FAC species <u>30</u></td> <td>x 3 = <u>90</u></td> </tr> <tr> <td>FACU species <u>0</u></td> <td>x 4 = <u>0</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>120</u> (A)</td> <td><u>245</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.04</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>25</u>	x 1 = <u>25</u>	FACW species <u>65</u>	x 2 = <u>130</u>	FAC species <u>30</u>	x 3 = <u>90</u>	FACU species <u>0</u>	x 4 = <u>0</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>120</u> (A)	<u>245</u> (B)	Prevalence Index = B/A = <u>2.04</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>25</u>	x 1 = <u>25</u>																			
FACW species <u>65</u>	x 2 = <u>130</u>																			
FAC species <u>30</u>	x 3 = <u>90</u>																			
FACU species <u>0</u>	x 4 = <u>0</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>120</u> (A)	<u>245</u> (B)																			
Prevalence Index = B/A = <u>2.04</u>																				
50% of total cover: <u>17.50</u>		20% of total cover: <u>7.00</u>																		
Sapling/Shrub Stratum (Plot size: <u>15 ft r</u>)																				
1. <u>Fraxinus pennsylvanica</u>	<u>25</u>	☒	<u>FACW</u>	Hydrophytic Vegetation Indicators: <u>1</u> - Rapid Test for Hydrophytic Vegetation ☒ <u>2</u> - Dominance Test is >50% ☒ <u>3</u> - Prevalence Index is ≤3.0 ¹ <u> </u> Problematic Hydrophytic Vegetation ¹ (Explain)																
2. <u>Celtis laevigata</u>	<u>10</u>	☒	<u>FACW</u>																	
3. <u>Diospyros virginiana</u>	<u>5</u>	_____	<u>FAC</u>																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
		<u>40</u>	=Total Cover	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
50% of total cover: <u>20.00</u>		20% of total cover: <u>8.00</u>																		
Herb Stratum (Plot size: <u>5 ft r</u>)																				
1. <u>Glyceria striata</u>	<u>20</u>	☒	<u>OBL</u>	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 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.																
2. <u>Galium tinctorium</u>	<u>10</u>	☒	<u>FACW</u>																	
3. <u>Phacelia sp.</u>	<u>5</u>	_____	_____																	
4. <u>Carex sp.</u>	<u>3</u>	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
		<u>38</u>	=Total Cover																	
50% of total cover: <u>19.00</u>		20% of total cover: <u>7.60</u>																		
Woody Vine Stratum (Plot size: <u>10 ft r</u>)																				
1. <u>Smilax rotundifolia</u>	<u>10</u>	☒	<u>FAC</u>	Hydrophytic Vegetation Present? Yes ☒ No _____																
2. <u>Smilax bona-nox</u>	<u>5</u>	☒	<u>FAC</u>																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
		<u>15</u>	=Total Cover 20%																	
50% of total cover: <u>7.50</u>		of total cover: <u>3.00</u>																		

Remarks: (If observed, list morphological adaptations below.)

SOIL

Sampling Point: C-11

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

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

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.²Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

☐ Histosol (A1)	☐ Thin Dark Surface (S9) (LRR S, T, U)
☐ Histic Epipedon (A2)	☐ Barrier Islands 1 cm Muck (S12)
☐ Black Histic (A3)	(MLRA 153B, 153D)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (LRR O)
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)
☐ Organic Bodies (A6) (LRR P, T, U)	☐ Depleted Matrix (F3)
☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)	☒ Redox Dark Surface (F6)
☐ Muck Presence (A8) (LRR U)	☐ Depleted Dark Surface (F7)
☐ 1 cm Muck (A9) (LRR P, T)	☐ Redox Depressions (F8)
☐ Depleted Below Dark Surface (A11)	☐ Marl (F10) (LRR U)
☐ Thick Dark Surface (A12)	☐ Depleted Ochric (F11) (MLRA 151)
☐ Coast Prairie Redox (A16) (MLRA 150A)	☐ Iron-Manganese Masses (F12) (LRR O, P, T)
☐ Iron Monosulfide (A18)	☐ Umbric Surface (F13) (LRR P, T, U)
☐ Sandy Mucky Mineral (S1) (LRR O, S)	☐ Delta Ochric (F17) (MLRA 151)
☐ Sandy Gleyed Matrix (S4)	☐ Reduced Vertic (F18) (MLRA 150A, 150B)
☐ Sandy Redox (S5)	☐ Piedmont Floodplain Soils (F19) (MLRA 149A)
☐ Stripped Matrix (S6)	☐ Anomalous Bright Floodplain Soils (F20)
☐ Dark Surface (S7) (LRR P, S, T, U)	(MLRA 149A, 153C, 153D)
☐ Polyvalue Below Surface (S8) (LRR S, T, U)	☐ Very Shallow Dark Surface (F22)
	(MLRA 138, 152A in FL, 154)

Indicators for Problematic Hydric Soils³:

☐ 1 cm Muck (A9) (LRR O)
☐ 2 cm Muck (A10) (LRR S)
☐ Coast Prairie Redox (A16)
(outside MLRA 150A)
☐ Reduced Vertic (F18)
(outside MLRA 150A, 150B)
☐ Piedmont Floodplain Soils (F19) (LRR P, T)
☐ Anomalous Bright Floodplain Soils (F20)
(MLRA 153B)
☐ Red Parent Material (F21)
☐ Very Shallow Dark Surface (F22)
(outside MLRA 138, 152A in FL, 154)
☐ Other (Explain in Remarks)

³Indicators 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:

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Atlantic and Gulf Coastal Plain Region See ERDC/EL TR-10-20; the proponent agency is CECW-COR	OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: EDCCC - Site 1 - Hwy 67 & 26 City/County: Clark County Sampling Date: 2026-05-13
Applicant/Owner: Economic Development Corporation of Clark County State: Arkansas Sampling Point: C-12
Investigator(s): Jimmy Rogers Section, Township, Range: S12 T8S R20W
Landform (hillside, terrace, etc.): Toeslope Local relief (concave, convex, none): None Slope (%): 1
Subregion (LRR or MLRA): P 135B Lat: 34.05549 Long: -93.09704 Datum: WGS 84
Soil Map Unit Name: 28 - Houston clay, 3 to 8 percent slopes, eroded NWI classification: _____

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:
Agriculture field.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ☐ Surface Water (A1) ☐ Aquatic Fauna (B13) ☐ High Water Table (A2) ☐ Marl Deposits (B15) (LRR U) ☐ Saturation (A3) ☐ Hydrogen Sulfide Odor (C1) ☐ Water Marks (B1) ☐ Oxidized Rhizospheres on Living Roots (C3) ☐ Sediment Deposits (B2) ☐ Presence of Reduced Iron (C4) ☐ Drift Deposits (B3) ☐ Recent Iron Reduction in Tilled Soils (C6) ☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface (C7) ☐ Iron Deposits (B5) ☐ Other (Explain in Remarks) ☐ Inundation Visible on Aerial Imagery (B7) ☐ Water-Stained Leaves (B9)	<u>Secondary Indicators (minimum of two required)</u> ☐ 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) ☐ Geomorphic Position (D2) ☐ Shallow Aquitard (D3) ☐ FAC-Neutral Test (D5) ☐ Sphagnum Moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes _____ No ☒ Depth (inches): _____ Water Table Present? Yes _____ No ☒ Depth (inches): _____ Saturation Present? Yes _____ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No ☒
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION (Four Strata) – Use scientific names of plants.

 Sampling Point: C-12

Tree Stratum (Plot size: <u>25 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>0</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.00</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
=Total Cover				Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>2</u></td> <td>x 2 = <u>4</u></td> </tr> <tr> <td>FAC species <u>12</u></td> <td>x 3 = <u>36</u></td> </tr> <tr> <td>FACU species <u>15</u></td> <td>x 4 = <u>60</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>29</u> (A)</td> <td><u>100</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>3.44</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>2</u>	x 2 = <u>4</u>	FAC species <u>12</u>	x 3 = <u>36</u>	FACU species <u>15</u>	x 4 = <u>60</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>29</u> (A)	<u>100</u> (B)	Prevalence Index = B/A = <u>3.44</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>2</u>	x 2 = <u>4</u>																			
FAC species <u>12</u>	x 3 = <u>36</u>																			
FACU species <u>15</u>	x 4 = <u>60</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>29</u> (A)	<u>100</u> (B)																			
Prevalence Index = B/A = <u>3.44</u>																				
50% of total cover: _____ 20% of total cover: _____																				
Sapling/Shrub Stratum (Plot size: <u>25 ft r</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
=Total Cover																				
50% of total cover: _____ 20% of total cover: _____																				
Herb Stratum (Plot size: <u>10 ft r</u>)																				
1. <u>Glycine max</u>	<u>70</u>	<u>✓</u>	_____																	
2. <u>Cynodon dactylon</u>	<u>15</u>	_____	<u>FACU</u>																	
3. <u>Agrostis hyemalis</u>	<u>5</u>	_____	<u>FAC</u>																	
4. <u>Rumex crispus</u>	<u>5</u>	_____	<u>FAC</u>																	
5. <u>Diodia virginiana</u>	<u>2</u>	_____	<u>FACW</u>																	
6. <u>Paspalum dilatatum</u>	<u>2</u>	_____	<u>FAC</u>																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
=Total Cover																				
50% of total cover: <u>49.50</u> 20% of total cover: <u>19.80</u>																				
Woody Vine Stratum (Plot size: <u>25 ft r</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
=Total Cover 20%																				
50% of total cover: _____ of total cover: _____																				
Remarks: (If observed, list morphological adaptations below.)																				

Hydrophytic Vegetation Present? Yes _____ No ✓

SOIL

Sampling Point: C-12

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 8	10YR 3/2	100					Silty Clay	
8 - 16	10YR 3/2	90	10YR 4/1	5	D	M	Silty Clay	
8 - 16			10YR 4/6	5	C	M	Silty Clay	
-								
-								
-								
-								

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

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		Indicators for Problematic Hydric Soils ³ :
☐ Histosol (A1)	☐ Thin Dark Surface (S9) (LRR S, T, U)	☐ 1 cm Muck (A9) (LRR O)
☐ Histic Epipedon (A2)	☐ Barrier Islands 1 cm Muck (S12)	☐ 2 cm Muck (A10) (LRR S)
☐ Black Histic (A3)	(MLRA 153B, 153D)	☐ Coast Prairie Redox (A16)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (LRR O)	(outside MLRA 150A)
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)	☐ Reduced Vertic (F18)
☐ Organic Bodies (A6) (LRR P, T, U)	☐ Depleted Matrix (F3)	(outside MLRA 150A, 150B)
☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)	☐ Redox Dark Surface (F6)	☐ Piedmont Floodplain Soils (F19) (LRR P, T)
☐ Muck Presence (A8) (LRR U)	☐ Depleted Dark Surface (F7)	☐ Anomalous Bright Floodplain Soils (F20)
☐ 1 cm Muck (A9) (LRR P, T)	☐ Redox Depressions (F8)	(MLRA 153B)
☐ Depleted Below Dark Surface (A11)	☐ Marl (F10) (LRR U)	☐ Red Parent Material (F21)
☐ Thick Dark Surface (A12)	☐ Depleted Ochric (F11) (MLRA 151)	☐ Very Shallow Dark Surface (F22)
☐ Coast Prairie Redox (A16) (MLRA 150A)	☐ Iron-Manganese Masses (F12) (LRR O, P, T)	(outside MLRA 138, 152A in FL, 154)
☐ Iron Monosulfide (A18)	☐ Umbric Surface (F13) (LRR P, T, U)	☐ Other (Explain in Remarks)
☐ Sandy Mucky Mineral (S1) (LRR O, S)	☐ Delta Ochric (F17) (MLRA 151)	
☐ Sandy Gleyed Matrix (S4)	☐ Reduced Vertic (F18) (MLRA 150A, 150B)	
☐ Sandy Redox (S5)	☐ Piedmont Floodplain Soils (F19) (MLRA 149A)	
☐ Stripped Matrix (S6)	☐ Anomalous Bright Floodplain Soils (F20)	
☐ Dark Surface (S7) (LRR P, S, T, U)	(MLRA 149A, 153C, 153D)	
☐ Polyvalue Below Surface (S8) (LRR S, T, U)	☐ Very Shallow Dark Surface (F22) (MLRA 138, 152A in FL, 154)	

³Indicators 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 ☒
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Remarks:

U.S. Army Corps of Engineers WETLAND DETERMINATION DATA SHEET – Atlantic and Gulf Coastal Plain Region See ERDC/EL TR-10-20; the proponent agency is CECW-COR	OMB Control #: 0710-0024, Exp: 09/30/2027 Requirement Control Symbol EXEMPT: (Authority: AR 335-15, paragraph 5-2a)
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Project/Site: EDCCC - Site 1 - Hwy 67 & 26 City/County: Clark County Sampling Date: 2026-05-13
Applicant/Owner: Economic Development Corporation of Clark County State: Arkansas Sampling Point: C-13
Investigator(s): Jimmy Rogers Section, Township, Range: S12 T8S R20W
Landform (hillside, terrace, etc.): Hill Local relief (concave, convex, none): None Slope (%): 2
Subregion (LRR or MLRA): P 135B Lat: 34.05599 Long: -93.09570 Datum: WGS 84
Soil Map Unit Name: 28 - Houston clay, 3 to 8 percent slopes, eroded NWI classification: _____

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:
Maintained (periodically mowed) field.

HYDROLOGY

Wetland Hydrology Indicators: <u>Primary Indicators (minimum of one is required; check all that apply)</u> ☐ Surface Water (A1) ☐ Aquatic Fauna (B13) ☐ High Water Table (A2) ☐ Marl Deposits (B15) (LRR U) ☐ Saturation (A3) ☐ Hydrogen Sulfide Odor (C1) ☐ Water Marks (B1) ☐ Oxidized Rhizospheres on Living Roots (C3) ☐ Sediment Deposits (B2) ☐ Presence of Reduced Iron (C4) ☐ Drift Deposits (B3) ☐ Recent Iron Reduction in Tilled Soils (C6) ☐ Algal Mat or Crust (B4) ☐ Thin Muck Surface (C7) ☐ Iron Deposits (B5) ☐ Other (Explain in Remarks) ☐ Inundation Visible on Aerial Imagery (B7) ☐ Water-Stained Leaves (B9)	<u>Secondary Indicators (minimum of two required)</u> ☐ 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) ☐ Geomorphic Position (D2) ☐ Shallow Aquitard (D3) ☐ FAC-Neutral Test (D5) ☐ Sphagnum Moss (D8) (LRR T, U)
Field Observations: Surface Water Present? Yes _____ No ☒ Depth (inches): _____ Water Table Present? Yes _____ No ☒ Depth (inches): _____ Saturation Present? Yes _____ No ☒ Depth (inches): _____ (includes capillary fringe)	Wetland Hydrology Present? Yes _____ No ☒
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:	
Remarks:	

VEGETATION (Four Strata) – Use scientific names of plants.

 Sampling Point: C-13

Tree Stratum (Plot size: <u>30 ft r</u>)	Absolute % Cover	Dominant Species?	Indicator Status																	
1. _____	_____	_____	_____	Dominance Test worksheet: Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A) Total Number of Dominant Species Across All Strata: <u>2</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0.00</u> (A/B)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
=Total Cover				Prevalence Index worksheet: <table style="width: 100%;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>0</u></td> <td>x 1 = <u>0</u></td> </tr> <tr> <td>FACW species <u>0</u></td> <td>x 2 = <u>0</u></td> </tr> <tr> <td>FAC species <u>5</u></td> <td>x 3 = <u>15</u></td> </tr> <tr> <td>FACU species <u>90</u></td> <td>x 4 = <u>360</u></td> </tr> <tr> <td>UPL species <u>5</u></td> <td>x 5 = <u>25</u></td> </tr> <tr> <td>Column Totals: <u>100</u> (A)</td> <td><u>400</u> (B)</td> </tr> <tr> <td colspan="2" style="text-align: center;">Prevalence Index = B/A = <u>4.00</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>0</u>	x 1 = <u>0</u>	FACW species <u>0</u>	x 2 = <u>0</u>	FAC species <u>5</u>	x 3 = <u>15</u>	FACU species <u>90</u>	x 4 = <u>360</u>	UPL species <u>5</u>	x 5 = <u>25</u>	Column Totals: <u>100</u> (A)	<u>400</u> (B)	Prevalence Index = B/A = <u>4.00</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>0</u>	x 1 = <u>0</u>																			
FACW species <u>0</u>	x 2 = <u>0</u>																			
FAC species <u>5</u>	x 3 = <u>15</u>																			
FACU species <u>90</u>	x 4 = <u>360</u>																			
UPL species <u>5</u>	x 5 = <u>25</u>																			
Column Totals: <u>100</u> (A)	<u>400</u> (B)																			
Prevalence Index = B/A = <u>4.00</u>																				
50% of total cover: _____ 20% of total cover: _____																				
Sapling/Shrub Stratum (Plot size: <u>30 ft r</u>)																				
1. _____	_____	_____	_____	Hydrophytic Vegetation Indicators: _____ 1 - Rapid Test for Hydrophytic Vegetation _____ 2 - Dominance Test is >50% _____ 3 - Prevalence Index is ≤3.0 ¹ _____ Problematic Hydrophytic Vegetation ¹ (Explain)																
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
6. _____	_____	_____	_____																	
7. _____	_____	_____	_____																	
8. _____	_____	_____	_____																	
=Total Cover				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
50% of total cover: _____ 20% of total cover: _____																				
Herb Stratum (Plot size: <u>10 ft r</u>)																				
1. <u>Trifolium pratense</u>	<u>40</u>	<u>✓</u>	<u>FACU</u>	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 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.																
2. <u>Solidago canadensis</u>	<u>20</u>	<u>✓</u>	<u>FACU</u>																	
3. <u>Sorghum halepense</u>	<u>15</u>		<u>FACU</u>																	
4. <u>Trifolium repens</u>	<u>10</u>		<u>FACU</u>																	
5. <u>Daucus carota</u>	<u>5</u>		<u>UPL</u>																	
6. <u>Desmanthus illinoensis</u>	<u>5</u>		<u>FAC</u>																	
7. <u>Erigeron annuus</u>	<u>5</u>		<u>FACU</u>																	
8. _____	_____	_____	_____																	
9. _____	_____	_____	_____																	
10. _____	_____	_____	_____																	
11. _____	_____	_____	_____																	
12. _____	_____	_____	_____																	
=Total Cover																				
50% of total cover: <u>50.00</u> 20% of total cover: <u>20.00</u>																				
Woody Vine Stratum (Plot size: <u>30 ft r</u>)																				
1. _____	_____	_____	_____																	
2. _____	_____	_____	_____																	
3. _____	_____	_____	_____																	
4. _____	_____	_____	_____																	
5. _____	_____	_____	_____																	
=Total Cover 20%																				
50% of total cover: _____ of total cover: _____																				

Remarks: (If observed, list morphological adaptations below.)

SOIL

Sampling Point: C-13

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0 - 4	2.5YR 3/2	100					Silty Clay	w/gravel
4 - 10	2.5YR 3/2	100					Clay	w/gravel
10 - 18	10YR 3/1	100					Clay	
-								
-								
-								
-								

¹Type: C=Concentration, D=Depletion, RM=Reduced Matrix, MS=Masked Sand Grains.²Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

☐ Histosol (A1)	☐ Thin Dark Surface (S9) (LRR S, T, U)
☐ Histic Epipedon (A2)	☐ Barrier Islands 1 cm Muck (S12)
☐ Black Histic (A3)	(MLRA 153B, 153D)
☐ Hydrogen Sulfide (A4)	☐ Loamy Mucky Mineral (F1) (LRR O)
☐ Stratified Layers (A5)	☐ Loamy Gleyed Matrix (F2)
☐ Organic Bodies (A6) (LRR P, T, U)	☐ Depleted Matrix (F3)
☐ 5 cm Mucky Mineral (A7) (LRR P, T, U)	☐ Redox Dark Surface (F6)
☐ Muck Presence (A8) (LRR U)	☐ Depleted Dark Surface (F7)
☐ 1 cm Muck (A9) (LRR P, T)	☐ Redox Depressions (F8)
☐ Depleted Below Dark Surface (A11)	☐ Marl (F10) (LRR U)
☐ Thick Dark Surface (A12)	☐ Depleted Ochric (F11) (MLRA 151)
☐ Coast Prairie Redox (A16) (MLRA 150A)	☐ Iron-Manganese Masses (F12) (LRR O, P, T)
☐ Iron Monosulfide (A18)	☐ Umbric Surface (F13) (LRR P, T, U)
☐ Sandy Mucky Mineral (S1) (LRR O, S)	☐ Delta Ochric (F17) (MLRA 151)
☐ Sandy Gleyed Matrix (S4)	☐ Reduced Vertic (F18) (MLRA 150A, 150B)
☐ Sandy Redox (S5)	☐ Piedmont Floodplain Soils (F19) (MLRA 149A)
☐ Stripped Matrix (S6)	☐ Anomalous Bright Floodplain Soils (F20)
☐ Dark Surface (S7) (LRR P, S, T, U)	(MLRA 149A, 153C, 153D)
☐ Polyvalue Below Surface (S8) (LRR S, T, U)	☐ Very Shallow Dark Surface (F22)
	(MLRA 138, 152A in FL, 154)

Indicators for Problematic Hydric Soils³:

☐ 1 cm Muck (A9) (LRR O)
☐ 2 cm Muck (A10) (LRR S)
☐ Coast Prairie Redox (A16)
(outside MLRA 150A)
☐ Reduced Vertic (F18)
(outside MLRA 150A, 150B)
☐ Piedmont Floodplain Soils (F19) (LRR P, T)
☐ Anomalous Bright Floodplain Soils (F20)
(MLRA 153B)
☐ Red Parent Material (F21)
☐ Very Shallow Dark Surface (F22)
(outside MLRA 138, 152A in FL, 154)
☐ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation andwetland hydrology must be present,
unless disturbed or problematic.**Restrictive Layer (if observed):**

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes _____ No ☒

Remarks:

Attachment B

Representative Photos



Photo 1: Overview of project area (looking south from north) (UAS image).



Photo 2: Overview of project area (looking north from south) (UAS image).



Photo 3: Maintained field community (C-01, looking south)



Photo 4: Maintained field community (C-05, looking north)



Photo 5: Maintained field community (C-13, looking west)



Photo 6: Row-crop agricultural upland community (C-12, looking north)



Photo 7: Forested upland community (C-01, looking south)



Photo 8: Forested upland community (C-10, looking south)



Photo 9: Former pond wetland (WET-S1-A)

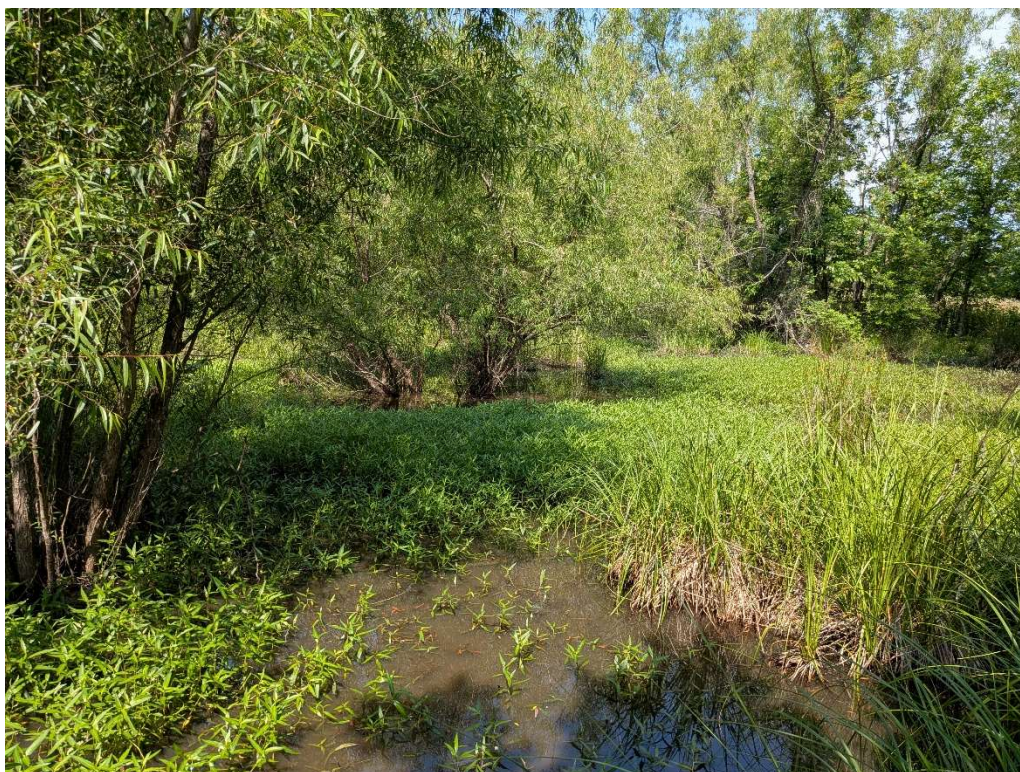


Photo 10: Former pond wetland (WET-S1-B)



Photo 11: Forested drainageway wetland community (WET-S1-C)



Photo 12: Ephemeral channel (EPH-S1-1)



Photo 13: Intermittent channel (INT-S1-1)



Photo 14: Intermittent channel (INT-S1-2)

Attachment C

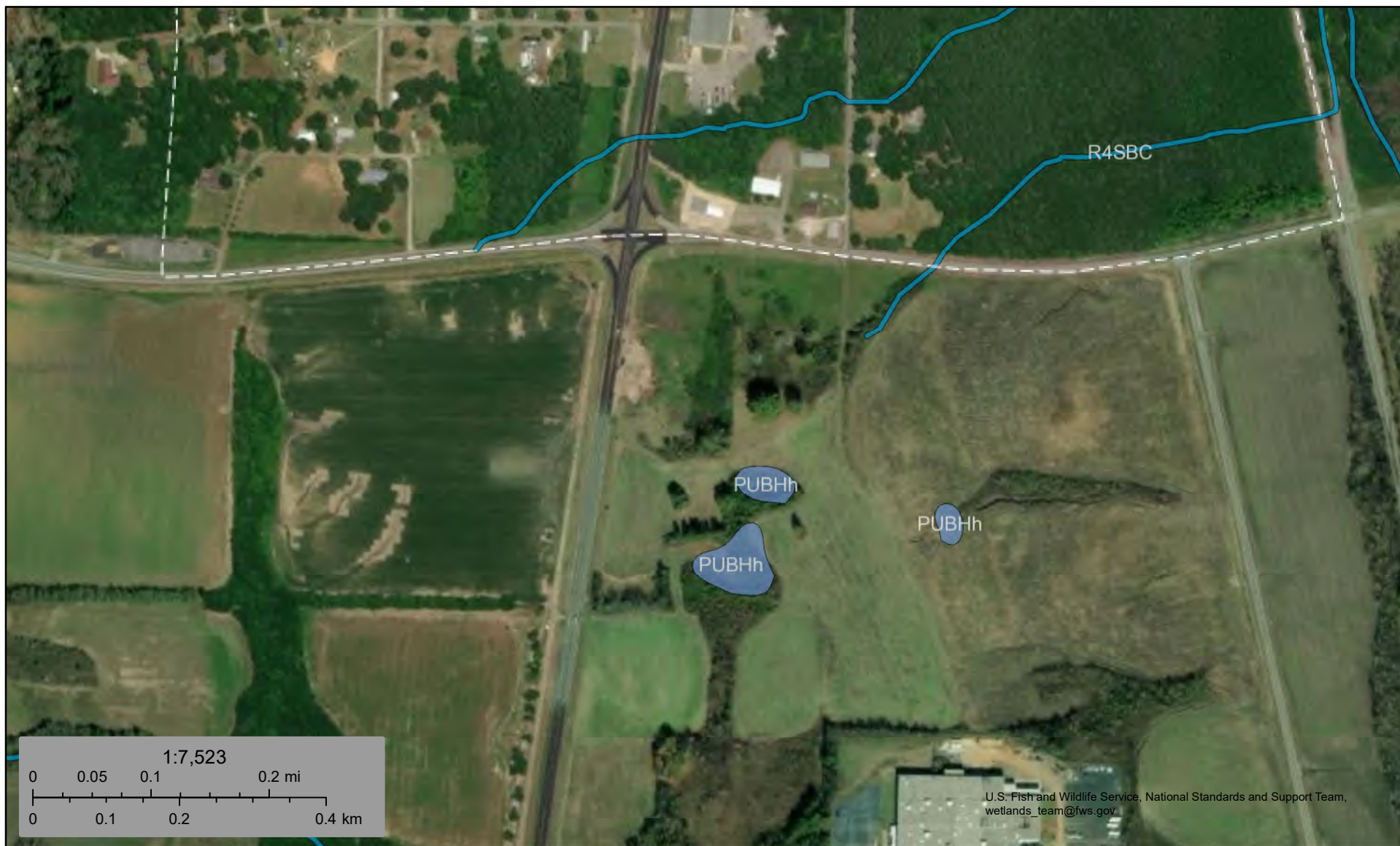
Reference Maps



U.S. Fish and Wildlife Service

National Wetlands Inventory

EDCCC Site 1 - HWY 67 & 26



February 2, 2026

Wetlands

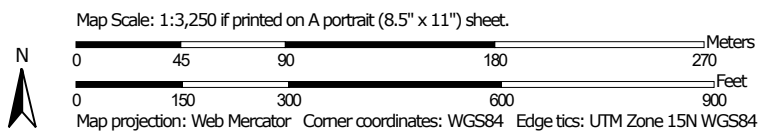
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

Soil Map—Clark County, Arkansas



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

5/27/2026
Page 1 of 3

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Clark County, Arkansas

Survey Area Data: Version 7, Sep 10, 2025

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jan 22, 2023—Feb 17, 2023

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

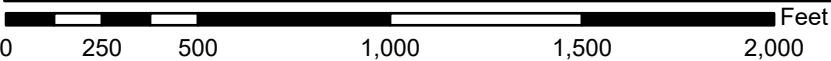
Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
28	Houston clay, 3 to 8 percent slopes, eroded	34.1	95.5%
98	Water	1.6	4.5%
Totals for Area of Interest		35.7	100.0%

National Flood Hazard Layer FIRMette



93°6'8"W 34°3'42"N



1:6,000

93°5'30"W 34°3'12"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/2/2026 at 3:04 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.