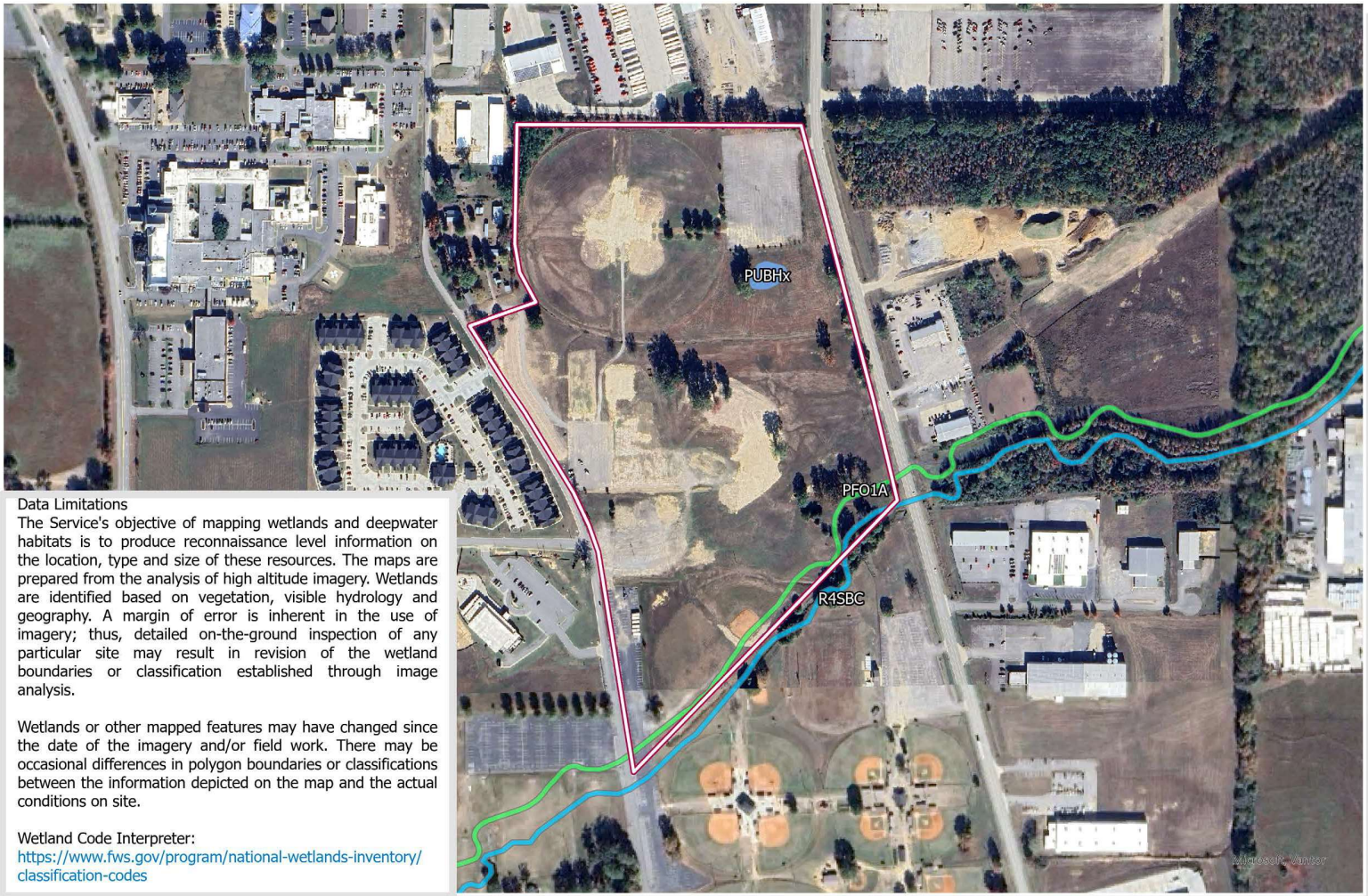
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FORWARD SEARCY SITE 1 / NATIONAL WETLAND INVENTORY

E-1a

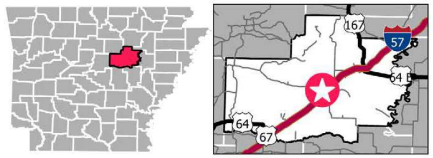


Data Limitations
The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

Wetlands or other mapped features may have changed since the date of the imagery and/or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Wetland Code Interpreter:
https://www.fws.gov/program/national-wetlands-inventory/classification-codes

WHITE COUNTY



LEGEND

Forward Searcy Site 1 Boundary

WETLAND_TYPE

- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Riverine

SOURCE

Wetland: U.S. Fish and Wildlife Service and the National Wetlands Inventory. Download Date: 2026_05

SCALE

0 0.07 0.15 Miles

0 95.04 190.08 Meters

N

Date: 07/2026
Created by: RPG

These drawings are provided merely to assist in economic development efforts. The Entergy Companies make no representations or warranties whatsoever regarding the accuracy or completeness of any information contained herein nor the condition or suitability of any properties. Users should direct inquiries about any property to the listing broker for that property.

Wetland & Other Waters of the United States Determination

Queensway Industrial Site – Lot 1
Searcy Sports Complex
White County, Arkansas

Prepared by:

Wetland Consultants Unlimited

August 2026

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WETLAND & OTHER WATERS OF THE UNITED STATES DETERMINATION
QUEENSWAY INDUSTRIAL PROPOSED SITE – LOT 1
SEARCY, WHITE COUNTY, ARKANSAS

Introduction

Wetland Consultants Unlimited, LLC. conducted a wetland and other waters of the United States determination on the proposed Queensway Industrial Site – Lot 1 (approx. 44.46 acres). The objective of the determination was to determine if waters of the United States and/or wetlands were present on the proposed site. If so, the boundaries were identified and acreages were calculated. The determination was conducted on the proposed site under the procedures outlined in the 1987 Corps of Engineers Wetland Delineation Manual and the Regional Supplement of the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region. The identification of other waters of the United States on the proposed site was in accordance with the definitions provided in 33CFR328.3(a). **All findings on the project site are not official until concurred upon by the Little Rock District Corps of Engineers.**

Property Location

The proposed site is located in Searcy, White County, Arkansas. The proposed site is approximately 0.5 miles northwest of US 67/167 Exit 44. The proposed site is located on the east of Main St. and north of Booth Rd. The proposed site is currently the old adult softball complex/amphitheater, maintenance building, and the current Searcy Sports Complex. See Project Location Figure.

Proposed Site	USGS Quadrangle	Section	Township	Range
Queensway Industrial Site	Kensett	14	7N	79W

Wetland and Stream Delineation Methodology

Wetlands are defined as those areas that are inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.

Wetlands are characterized by the following three parameters:

a. Hydrophytic Vegetation
b. Hydric Soils
c. Wetland Hydrology

Hydrophytic Vegetation

"National List of Plant Species That Occur in Wetlands (Region 2) was used to conduct the wetland delineation for this project. The plants are listed in this document by indicator status based on the probability that each species occurs in wetlands. The indicator categories for vegetation are as follows:

a. **Obligate Wetland (OBL)** – Occur almost always (estimated probability 99%) under natural conditions in wetlands.
b. **Facultative Wetland (FACW)** – Usually occur in wetlands (estimated probability 67% to 99%), but occasionally found in non-wetlands.
c. **Facultative (FAC)** – Equally likely to occur in wetlands and non-wetlands (estimated probability 34% to 66%).
d. **Upland (UPL)** – Rarely occurs in wetlands, but occur almost always (estimated probability greater than 99%) under natural conditions in non-wetlands.

An area is determined to meet the required hydrophytic vegetation parameters when more than 50% of the dominant species are obligate wetland, facultative wetland or facultative.

Hydric Soil

Hydric soil indicators have been established to determine whether an area contains the required hydric soil parameters. Soil sample pits are dug and the soil profile is documented on data sheets. Munsell Soil Color Charts are used to determine the matrix and mottle colors of the soil. Other required soil characteristics are documented on the data sheets. The most common field indicators of hydric soils are low chroma colors (iron depletion) and mottling (redoximorphic features).

Wetland Hydrology

Wetland hydrology is more specifically defined as flooding, ponding or saturation of the surface for a long or very long duration during the growing season. Long duration is a single event that lasts 7 to 30 days. Very long duration is a single event that lasts more than 30 days. Wetland hydrology is sometimes defined as flooding, ponding or saturation for 3% - 5% of the growing season. In this part of Arkansas, that would be a minimum of 14 consecutive days. Field indicators have been developed to document whether an area meets the mandatory criteria to establish if the required wetland parameters exist. The presence of surface water on any given day is insufficient to establish that an area is flooded, ponded or saturated for 14 consecutive days. Other indicators have been established and used to assess the duration of soil saturations (i.e. water stained leaves, sediment deposits, watermarks, oxidized root channels, etc.). Likewise, the absence of water of the date of wetland delineations does not mean that wetlands are not present. Most wetlands are dry during portions of the year.

Streams

Streams are generally defined as water bodies that contain a streambed and stream bank (bed & bank). Streams are generally classified into one of three categories:

1. **Ephemeral** – Only flow during rain events, not influenced by groundwater.
2. **Intermittent –** Flows during certain times of the year and has no flow during dry times of the year, influenced by smaller tributaries upstream and groundwater.

3. **Perennial** – Typically flow year-round, influenced by groundwater and smaller tributaries upstream.

General Description of the Property

The proposed site is located in the White River drainage basin in the Arkansas Valley (Level III), Arkansas Valley Hills (Level IV) ecoregion. The Arkansas Valley contains plains, hills, floodplains, terraces, and scattered mountains. This ecoregion is largely underlain by interbedded Pennsylvanian sandstone, shale, and siltstone. Historically a mix of forest, woodland, savanna, and prairie dominated uplands whereas bottomland hardwoods covered floodplains and lower terraces. Today, less rugged areas have been cleared for pastureland or hay land. Poultry and livestock farming have become important land uses.

The Arkansas Valley Hills natural vegetation typically includes oak-hickory forest or oak-hickory-pine forest. Pastureland is extensive, but rugged areas are still forested. Poultry farming, livestock operations, and logging are important land uses.

The proposed site includes the old adult softball complex, amphitheater, maintenance building, and is an actively used sports complex located on the northwest side of U.S. Highway 67/167 in the city of Searcy, Arkansas. The proposed property is east of Main St. (Hwy. 67B) and is owned by the City of Searcy. Historically, the property was used for agricultural purposes or pastureland.

The Natural Resource Conservation Service (NRCS) has identified/mapped three soil series located on the proposed site. The first soil series identified on the proposed site was Leadvale Silt Loam. Leadvale Silt Loam consists of deep to very deep, moderately well drained soils with slow to medium runoff. These soils have slow to moderately slow permeability and were formed in silty material in uplands or local silty alluvium from nearby uplands underlain largely by shale and siltstone. Leadvale soils are generally located on slightly concave toe slopes, benches, and terraces. The water table is perched at a depth of two to three feet in late winter and early spring.

The second soil series identified on the proposed site was Guthrie Silt Loam. Guthrie Silt Loam is a very deep, poorly drained soil with a fragipan. These soils were

formed in silty material on upland flats and depressions. Runoff is negligible to very slow with moderate permeability above the fragipan and very slow permeability below the fragipan. Ponding occurs for several weeks in the winter and spring.

The third soil series identified on the proposed site was Taft Silt Loam. Taft Silt Loam consists of very deep, somewhat poorly drained soils with slow runoff. Permeability is slow in these soils, which formed in silty mantle of loess or underlying residuum of limestone or shale. Taft soils contain a fragipan that is located in the subsoil. These nearly level soils are on upland flats, stream terraces, and found in depressions. See Soil Map figure.

Wetland Delineation and Stream Assessment – Findings

In accordance with the 1987 Corps of Engineers Wetland Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region, there were no wetlands or other waters of the United States identified on the proposed property. The three parameters defined by the U.S. Army Corps of Engineers were used to determine the presence/absence of jurisdictional wetlands. See Data Sheets.

Summary

There were no wetlands or other waters of the United States identified on the proposed site.

ATTACHMENTS

Project Location Figure

Topographic Figure

Soils Map

Data Point Map

Streams Figure

Floodplain Map

Lidar Map

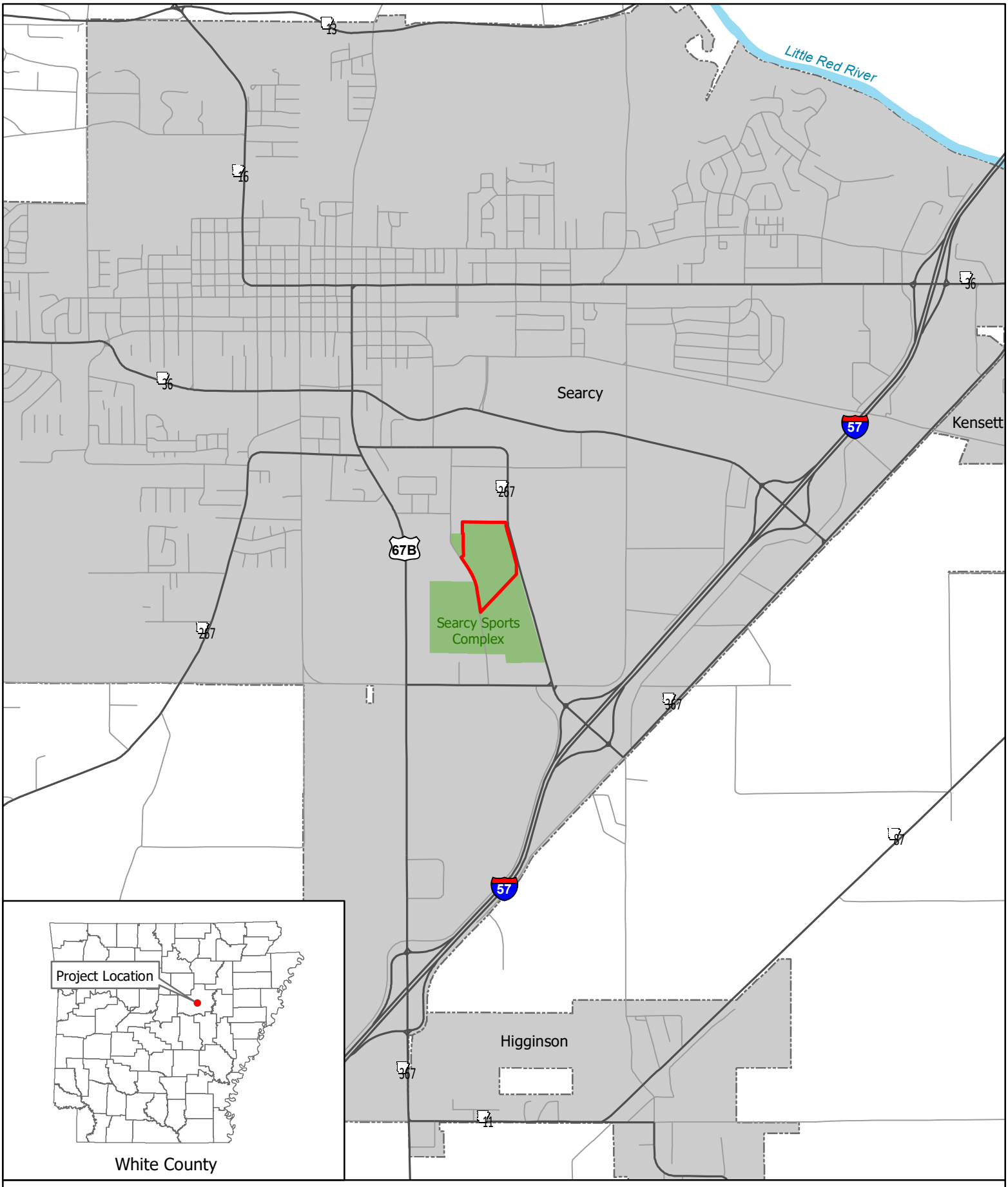
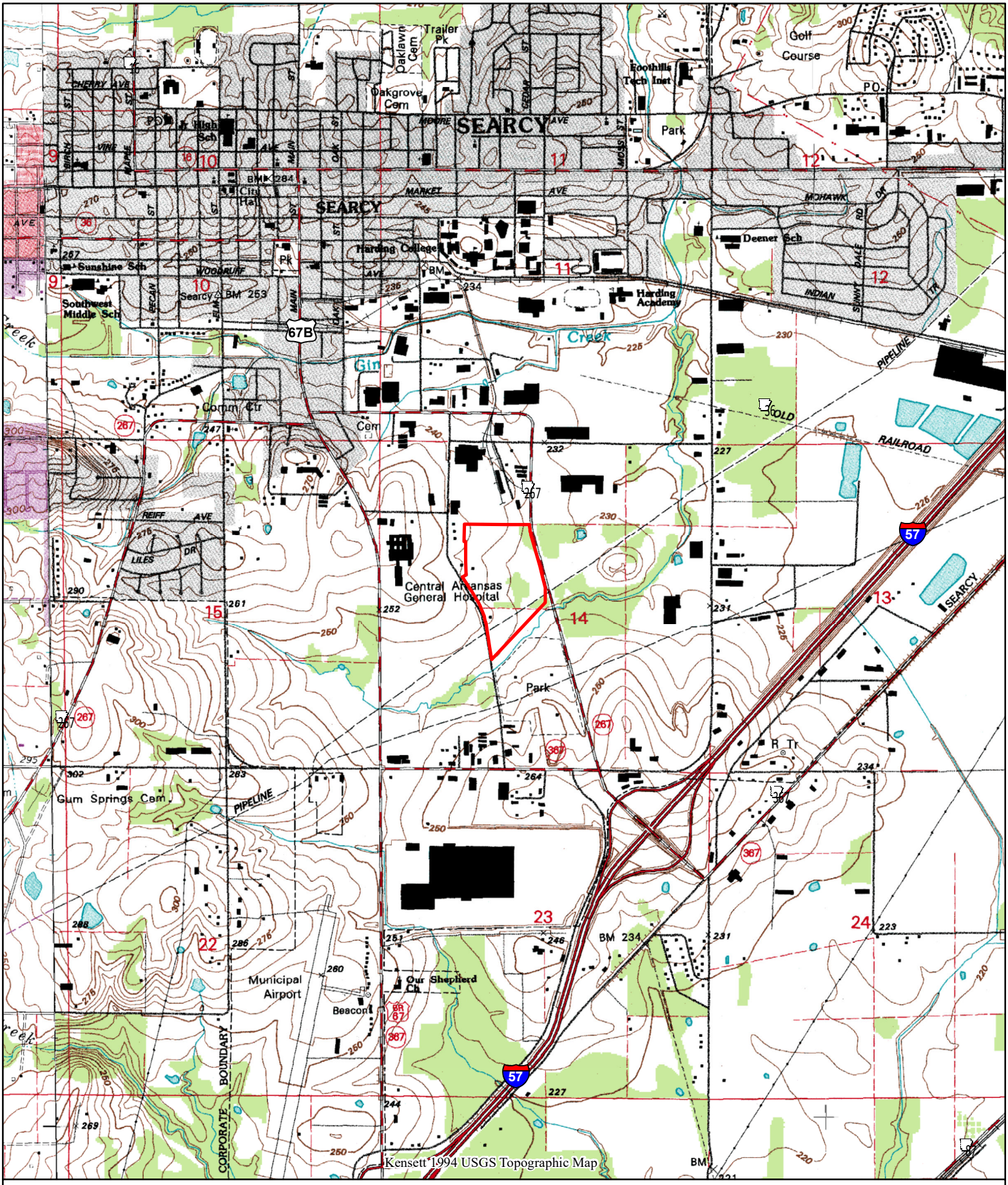


FIGURE 1
PROJECT LOCATION MAP
QUEENSWAY INDUSTRIAL SITE LOT 1



Scale - 1:24,000

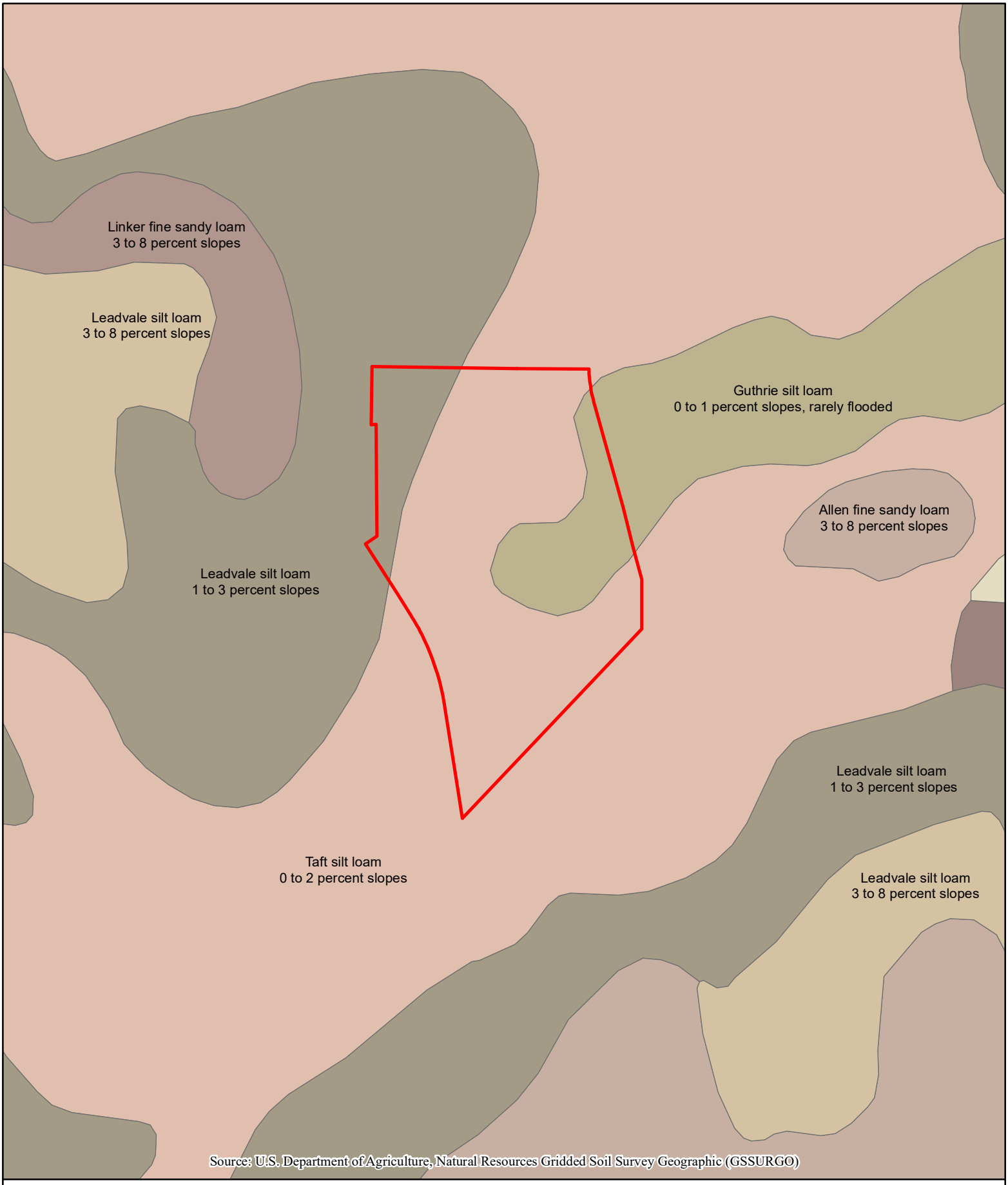
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FIGURE 2
TOPOGRAPHIC MAP
QUEENSWAY INDUSTRIAL SITE LOT 1

Project Location

July 24, 2026

T7N - R7W - S14


Linker fine sandy loam
3 to 8 percent slopes
Leadvale silt loam
3 to 8 percent slopes
Guthrie silt loam
0 to 1 percent slopes, rarely flooded
Allen fine sandy loam
3 to 8 percent slopes
Leadvale silt loam
1 to 3 percent slopes
Leadvale silt loam
1 to 3 percent slopes
Taft silt loam
0 to 2 percent slopes
Leadvale silt loam
3 to 8 percent slopes
Source: U.S. Department of Agriculture, Natural Resources Gridded Soil Survey Geographic (GSSURGO)
0
300
600
Feet
N
Wetland Consultants Unlimited
July 24, 2026
FIGURE 3
SOILS MAP
QUEENSWAY INDUSTRIAL SITE LOT 1
Project Location



0 200 400 Feet

N

Wetland Consultants Unlimited

July 24, 2026

FIGURE 4
DATA POINTS
QUEENSWAY INDUSTRIAL SITE LOT 1

Data Point
Project Location

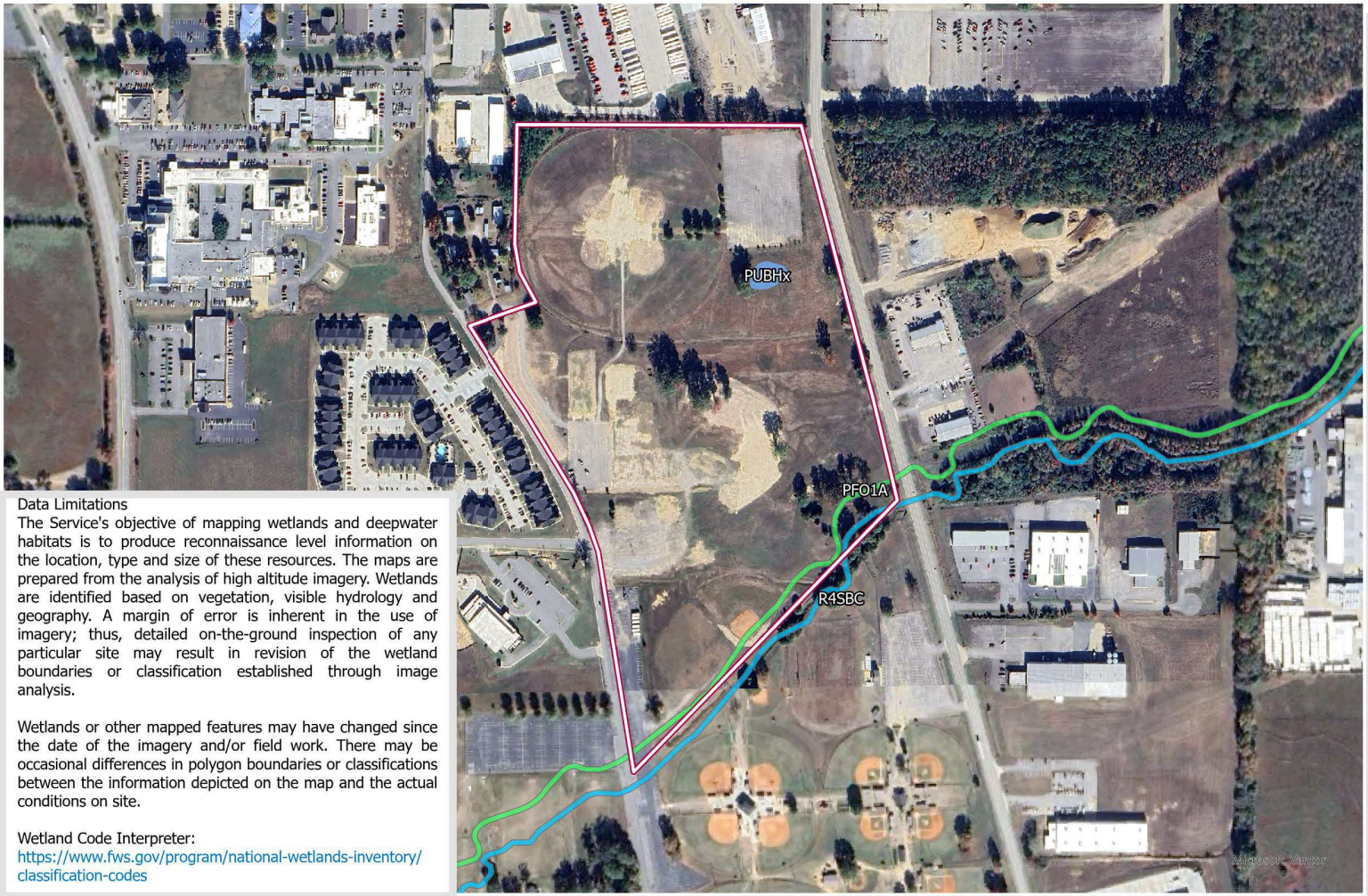
Photography: ADOP 2023

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E-1a

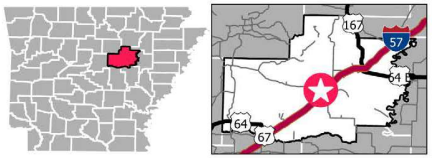


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Wetland Code Interpreter:
https://www.fws.gov/program/national-wetlands-inventory/classification-codes

WHITE COUNTY



LEGEND

Forward Searcy Site 1 Boundary

WETLAND_TYPE

- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Riverine

SOURCE

Wetland: U.S. Fish and Wildlife Service and the National Wetlands Inventory. Download Date: 2026_05

SCALE

0 0.07 0.15 Miles

0 95.04 190.08 Meters

N

Date: 07/2026
Created by: RPG

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0 200 400 Feet

N

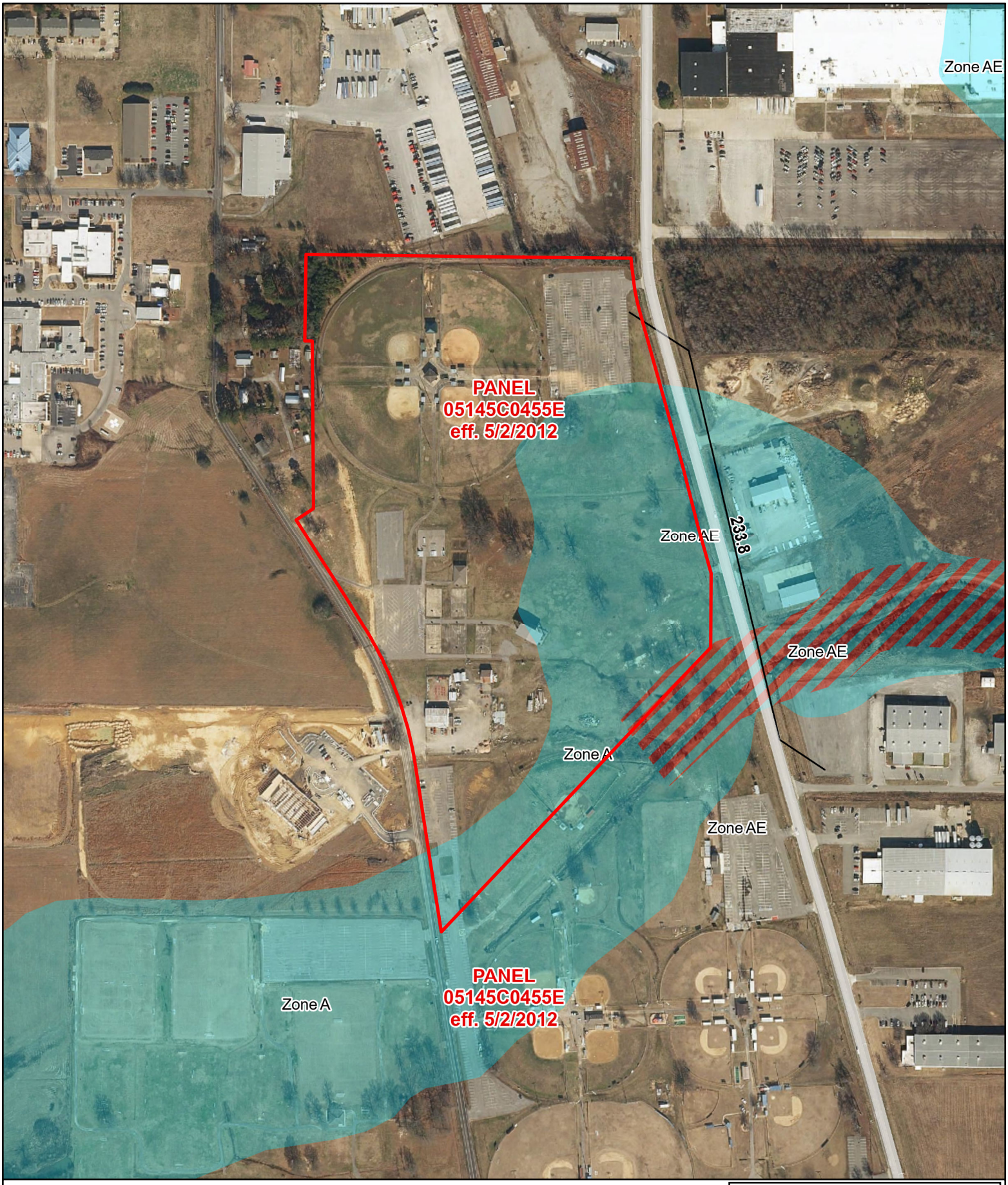
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July 24, 2026

FIGURE 5
STREAM LOCATION
QUEENSWAY INDUSTRIAL SITE LOT 1

Stream
Project Location

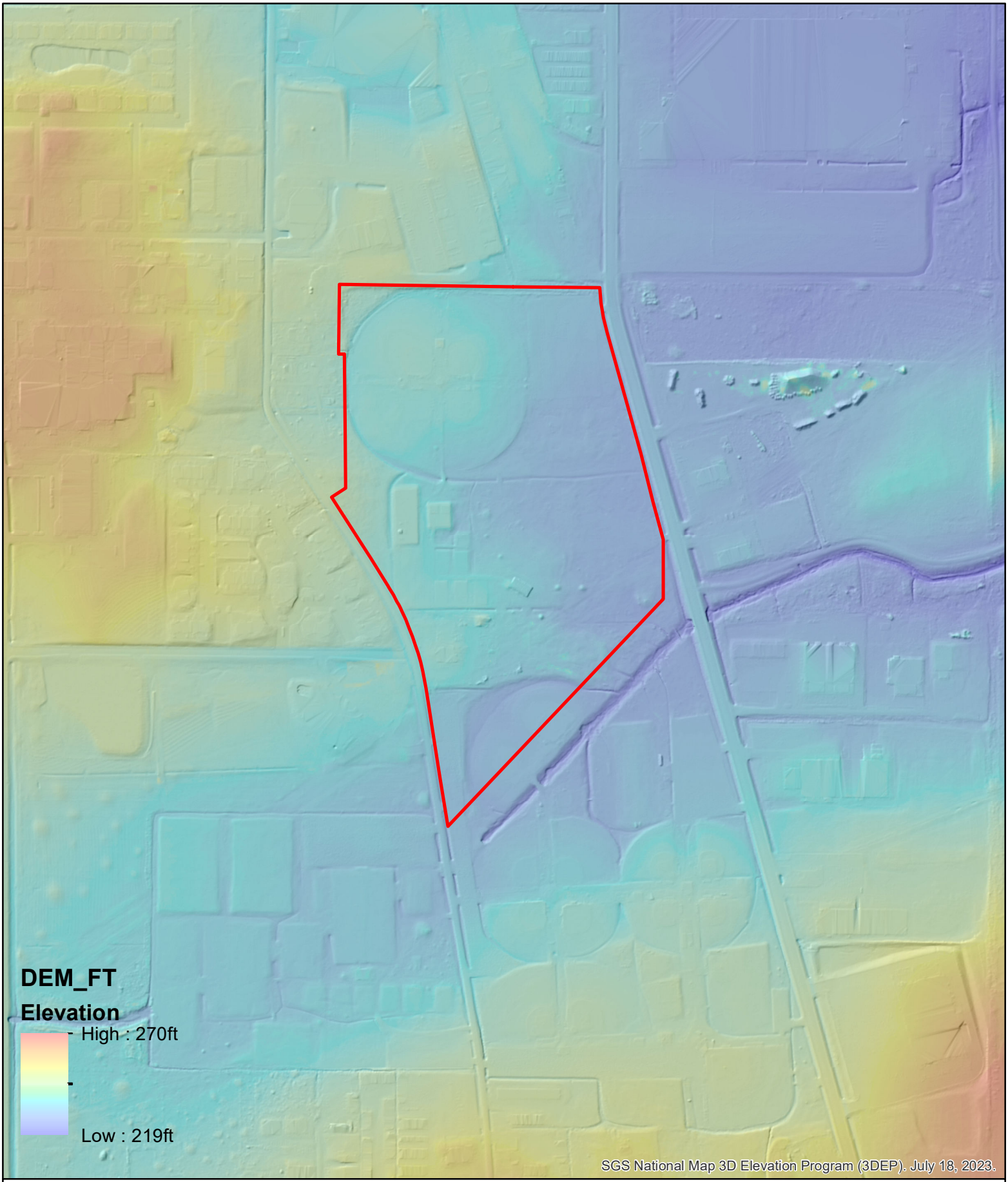
Photography: ADOP 2023



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July 24, 2026

FIGURE 6
FLOODPLAIN MAP
QUEENSWAY INDUSTRIAL SITE LOT 1



0 250 500 Feet

N

Wetland Consultants Unlimited

July 24, 2026

FIGURE 7
LIDAR BARE EARTH DEM
QUEENSWAY INDUSTRIAL SITE LOT 1

Project Location

ATTACHMENTS

Photographs (6)



Typical view of the sports complex looking north



Typical view of the sports complex looking north



Typical view of the sports complex looking northeast



Typical view of a drainage ditch, view is looking west



Typical view of sports complex looking northwest



Typical view of sports complex looking southwest

ATTACHMENTS

Data Sheets (2)

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: **Searcy Forward Inc** City/County: **Searcy, White** Sampling Date: **2025/09/26**

Applicant/Owner: **City of Searcy** State: **AR** Sampling Point: **1**

Investigator(s): **WCU; Bill Bailey and Clint Hutcheson** Section, Township, Range: **Section 27, T7N, R7W**

Landform (hillslope, terrace, etc.): **flat** Local relief (concave, convex, none): **none**

Slope (%): **1** Lat: **35.206548** Long: **-91.734706** Datum: **NAD83**

Soil Map Unit Name: **Leadvale silt loam** NWI Classification: **forested**

Are climatic/hydrologic conditions of the site typical for this time of the year? Yes **X** No _____ (If no, explain in remarks)

Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? Are "normal circumstances" present?

Are vegetation _____, soil _____, or hydrology _____ naturally problematic? Yes **X** No _____

(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 **X**	No _____			
Hydric soil present?	Yes _____	No **X**	**Is the sampled area within a wetland?**	**Yes** _____	**No** **X**
Wetland hydrology present?	Yes _____	No **X**			

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY

Wetland Hydrology Indicators:

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

- ___ Surface Water (A1)
- ___ High Water Table (A2)
- ___ Saturation (A3)
- ___ Water Marks (B1)
- ___ Sediment Deposits (B2)
- ___ Drift Deposits (B3)
- ___ Algal Mat or Crust (B4)
- ___ Iron Deposits (B5)
- ___ Inundation Visible on Aerial Imagery (B7)
- ___ Water-Stained Leaves (B9)
- ___ Aquatic Fauna (B13)
- ___ 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)

Secondary Indicators (minimum of two required)

- ___ Surface Soil Cracks (B6)
- ___ Sparsely Vegetated Concave Surface (B8)
- ___ Drainage Patterns (B10)
- ___ Moss Trim Lines (B16)
- ___ Dry-Season Water Table (C2)
- ___ Crayfish Burrows (C8)
- ___ Saturation Visible on Aerial Imagery (C9)
- ___ Geomorphic Position (D2)
- ___ Shallow Aquitard (D3)
- ___ FAC-Neutral Test (D5)
- ___ Sphagnum moss (D8) **(LRR T, U)**

Field Observations:

Surface water present?	Yes _____	No **X**	Depth (inches): _____	**Wetland hydrology present?**
Water table present?	Yes _____	No **X**	Depth (inches): _____	
Saturation present? (includes capillary fringe)	Yes _____	No **X**	Depth (inches): _____	**Yes** _____ **No** **X**

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

No hydrology present

VEGETATION -- Use scientific names of plants.

Sampling Point: **1**

Tree Stratum (Plot size: **30-m radius**)	Absolute % Cover	Dominant Species	Indicator Staus
1 ***Liquidambar styraciflua***	**70**	**Y**	**FAC**
2			
3			
4			
5			
6			
7			
8			
	70 = Total Cover		
50% of total cover: **35**	20% of total cover: **14**		
Sapling/Shrub Stratu (Plot size: **15-m radius**)			
1 ***Ligustrum sinense***	**20**	**Y**	**FAC**
2			
3			
4			
5			
6			
7			
8			
	20 = Total Cover		
50% of total cover: **10**	20% of total cover: **4**		
Herb Stratum (Plot size: **1m²**)			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
	= Total Cover		
50% of total cover:	20% of total cover:		
Woody Vine Stratum (Plot size: **15-m radius**)			
1 ***Ligustrum sinense***	**10**	**Y**	**FAC**
2			
3			
4			
5			
6			
	10 = Total Cover		
50% of total cover: **5**	20% of total cover: **2**		

Dominance Test Worksheet

Number of Dominant Species that are OBL, FACW, or FAC: **3** (A)

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

Percent of Dominant Species that are OBL, FACW, or FAC: **100.00%** (A/B)

Prevalence Index Worksheet

Total % Cover of:

OBL species	**0**	x 1 =	**0**	
FACW species	**0**	x 2 =	**0**	
FAC species	**100**	x 3 =	**300**	
FACU species	**0**	x 4 =	**0**	
UPL species	**0**	x 5 =	**0**	
Column totals	**100**	(A)	**300**	(B)

Prevalence Index = B/A = **3.00**

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid test for hydrophytic vegetation
- **X** 2 - Dominance test is >50%
- **X** 3 - Prevalence index is ≤3.0 and at least 80% of total cover has indicator status*
- ___ 4 - Morphogical adaptations* (provide supporting data in Remarks or on a separate sheet)
- ___ Problematic hydrophytic vegetation* (explain)

*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Four Vegetation Strata:

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

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

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

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

Hydrophytic vegetation present? **Yes** **X** **No** ___

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

SOIL **Sampling Point:** 1

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

Depth (Inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Redox Features Type[1]	Redox Features Loc[2]	Texture	Remarks
0-12	**10YR 4/3**	**100**					**silt loam**	

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

Hydric Soil Indicators:

- ___ Histisol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Organic Bodies (A6) **(LRR P, T, U)**
- ___ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ___ Muck Presence (A8) **(LRR U)**
- ___ 1 cm Muck (A9) **(LRR P. T)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Coast Prairie Redox (A16) **(MLRA 150A)**
- ___ 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)**
- ___ Thin Dark Surface (S9) **(LRR S, T, U)**
- ___ Loamy Mucky Mineral (F1) **(LRR O)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR U**)
- ___ Depleted Ochric (F11) **(MLRA 151)**
- ___ Iron-Manganese Masses (F12) **(LRR O, P, T)**
- ___ Umbric Surface (F13) **(LRR P, T, U)**
- ___ Delta Ochric (F17) **(MLRA 151)**
- ___ Reduced Vertic (F18) **(MLRA 150A, 150B**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ___ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A10) **(LRR O)**
- ___ 2 cm Muck (A10) **(LRR S)**
- ___ Reduced Vertic (F18) **(outside MLRA 150A, B)**
- ___ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ___ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ___ Red Parent Material (TF12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (explain in remarks)

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

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric soil present? **Yes** _____ **No** X

Remarks:

WETLAND DETERMINATION DATA FORM - Atlantic and Gulf Coastal Plain Region

Project/Site: **Searcy Forward Inc** City/County: **Searcy, White** Sampling Date: **2025/09/26**

Applicant/Owner: **City of Searcy** State: **AR** Sampling Point: **2**

Investigator(s): **WCU; Bill Bailey and Clint Hutcheson** Section, Township, Range: **Section 27, T7N, R7W**

Landform (hillslope, terrace, etc.): **flat** Local relief (concave, convex, none): **concave**

Slope (%): _____ Lat: **35.206014** Long: **-91.73532** Datum: **NAD83**

Soil Map Unit Name: **Leadvale silt loam** NWI Classification: **forested**

Are climatic/hydrologic conditions of the site typical for this time of the year? Yes **X** No _____ (If no, explain in remarks)

Are vegetation _____, soil _____, or hydrology _____ significantly disturbed? Are "normal circumstances" present?

Are vegetation _____, soil _____, or hydrology _____ naturally problematic? Yes **X** No _____

(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 **X**	No _____			
Hydric soil present?	Yes _____	No **X**	**Is the sampled area within a wetland?**	**Yes** _____	**No** **X**
Wetland hydrology present?	Yes **X**	No _____			

Remarks: (Explain alternative procedures here or in a separate report.)

HYDROLOGY

Wetland Hydrology Indicators:

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

- _____ Surface Water (A1)
- _____ High Water Table (A2)
- _____ Saturation (A3)
- _____ Water Marks (B1)
- **X** 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)

Secondary Indicators (minimum of two required)

- _____ Surface Soil Cracks (B6)
- _____ Sparsely Vegetated Concave Surface (B8)
- **X** 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 **X**	Depth (inches): _____	**Wetland hydrology present?**	
Water table present?	Yes _____	No **X**	Depth (inches): _____		
Saturation present? (includes capillary fringe)	Yes _____	No **X**	Depth (inches): _____	**Yes** **X**	**No** _____

Describe recorded data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

VEGETATION -- Use scientific names of plants.

Sampling Point: **2**

Tree Stratum (Plot size: **30-m radius**)	Absolute % Cover	Dominant Species	Indicator Staus
1 ***Liquidambar styraciflua***	**50**	**Y**	**FAC**
2 ***Diospyros virginiana***	**20**	**Y**	**FAC**
3			
4 ***Salix nigra***	**5**	**N**	**OBL**
5			
6			
7			
8			
	75 = Total Cover		
50% of total cover: **37.5**	20% of total cover: **15**		
Sapling/Shrub Stratu (Plot size: **15-m radius**)			
1 ***Ligustrum sinense***	**20**	**Y**	**FAC**
2			
3			
4			
5			
6			
7			
8			
	20 = Total Cover		
50% of total cover: **10**	20% of total cover: **4**		
Herb Stratum (Plot size: **1m²**)			
1 ***Toxicodendron radicans***	**20**	**Y**	**FAC**
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
	20 = Total Cover		
50% of total cover: **10**	20% of total cover: **4**		
Woody Vine Stratum (Plot size: **15-m radius**)			
1			
2			
3			
4			
5			
6			
	= Total Cover		
50% of total cover:	20% of total cover:		

Dominance Test Worksheet

Number of Dominant Species that are OBL, FACW, or FAC: **4** (A)

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

Percent of Dominant Species that are OBL, FACW, or FAC: **100.00%** (A/B)

Prevalence Index Worksheet

Total % Cover of:

OBL species	**5**	x 1 =	**5**	
FACW species	**0**	x 2 =	**0**	
FAC species	**110**	x 3 =	**330**	
FACU species	**0**	x 4 =	**0**	
UPL species	**0**	x 5 =	**0**	
Column totals	**115** (A)		**335** (B)	

Prevalence Index = B/A = **2.91**

Hydrophytic Vegetation Indicators:

- ___ 1 - Rapid test for hydrophytic vegetation
- **X** 2 - Dominance test is >50%
- **X** 3 - Prevalence index is ≤3.0 and at least 80% of total cover has indicator status*
- ___ 4 - Morphogical adaptations* (provide supporting data in Remarks or on a separate sheet)
- ___ Problematic hydrophytic vegetation* (explain)

*Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic

Definitions of Four Vegetation Strata:

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

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

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

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

Hydrophytic vegetation present? **Yes** **X** **No** ___

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

SOIL **Sampling Point: 2**

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

Depth (Inches)	Matrix Color (moist)	Matrix %	Redox Features Color (moist)	Redox Features %	Type[1]	Loc[2]	Texture	Remarks
0-3	**10YR 4/3**	**95**	**10YR 5/6**	**5**	**D**	**M**	**silt loam**	
3-12	**10YR 5/3**	**90**	**10YR 5/6**	**10**	**D**	**M**	**silt loam**	

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

Hydric Soil Indicators:

- ___ Histisol (A1)
- ___ Histic Epipedon (A2)
- ___ Black Histic (A3)
- ___ Hydrogen Sulfide (A4)
- ___ Stratified Layers (A5)
- ___ Organic Bodies (A6) **(LRR P, T, U)**
- ___ 5 cm Mucky Mineral (A7) **(LRR P, T, U)**
- ___ Muck Presence (A8) **(LRR U)**
- ___ 1 cm Muck (A9) **(LRR P. T)**
- ___ Depleted Below Dark Surface (A11)
- ___ Thick Dark Surface (A12)
- ___ Coast Prairie Redox (A16) **(MLRA 150A)**
- ___ 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)**
- ___ Thin Dark Surface (S9) **(LRR S, T, U)**
- ___ Loamy Mucky Mineral (F1) **(LRR O)**
- ___ Loamy Gleyed Matrix (F2)
- ___ Depleted Matrix (F3)
- ___ Redox Dark Surface (F6)
- ___ Depleted Dark Surface (F7)
- ___ Redox Depressions (F8)
- ___ Marl (F10) (**LRR U**)
- ___ Depleted Ochric (F11) **(MLRA 151)**
- ___ Iron-Manganese Masses (F12) **(LRR O, P, T)**
- ___ Umbric Surface (F13) **(LRR P, T, U)**
- ___ Delta Ochric (F17) **(MLRA 151)**
- ___ Reduced Vertic (F18) **(MLRA 150A, 150B**
- ___ Piedmont Floodplain Soils (F19) **(MLRA 149A)**
- ___ Anomalous Bright Loamy Soils (F20) **(MLRA 149A, 153C, 153D)**

Indicators for Problematic Hydric Soils[3]:

- ___ 1 cm Muck (A10) **(LRR O)**
- ___ 2 cm Muck (A10) **(LRR S)**
- ___ Reduced Vertic (F18) **(outside MLRA 150A, B)**
- ___ Piedmont Floodplain Soils (F19) **(LRR P, S, T)**
- ___ Anomalous Bright Loamy Soils (F20) **(MLRA 153B)**
- ___ Red Parent Material (TF12)
- ___ Very Shallow Dark Surface (TF12)
- ___ Other (explain in remarks)

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

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric soil present? **Yes** _____ **No** **X**

Remarks: