



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
ENVIRONMENTAL DIVISION
ENVIRONMENTAL TECHNICAL STUDIES OFFICE
SUITE 900, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243-1402
(615) 741-3655**

Will Reed
COMMISSIONER OF
TRANSPORTATION

BILL LEE
GOVERNOR

MEMORANDUM

To: Steve Sellers, Manager
Region 4 Alternative Delivery

From: Rita Thompson
Tech Studies Office, Ecology Unit *Rita M. Thompson*

Date: 7/24/2025

Subject: Environmental Boundaries Report for:
PIN 136185.01 (Old PIN 134848.00); SR-87 Bridge Replacement
(Bridge #41)
Haywood County, TN

An ecological evaluation of the subject project has been conducted in response to a request for initial feature identification with the following result:

STREAMS: One (1) stream, one (1) wet weather conveyance/ephemeral stream, and three (3) wet weather conveyance/upland drainage features were noted within the project limits.

WETLANDS: No wetlands were noted within the project limits.

OTHER FEATURES: No other features were noted in the project limits.

SPECIES:

- **USFWS:** USFWS coordination was completed on May 21, 2025. USFWS did not have concerns for listed species. TDOT has determined there will be no effect to listed species as a result of this project.
- **TWRA:** TWRA coordination was completed on May 21, 2025. TWRA did not have species concerns.
- **TDEC DNA:** This project fits Condition #1 of the TDEC DNA MOA

COMMITMENTS: There are no project commitments.

Please note the fieldwork and coordination for the project was completed under the old PIN referenced above. If you have any questions or comments, please contact me at (615) 253-2459 or *rita.m.thompson@tn.gov*.

xc: TDOT.Env.Ecology@tn.gov
TDOT.Env.Permits@tn.gov
TDOT.ENV.Mitigation@tn.gov
TDOT.ENV.NEPA@tn.gov
R4.EnvTechOffice@tn.gov

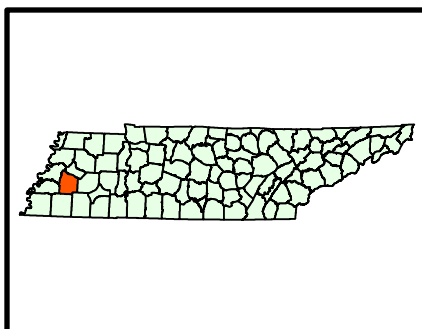
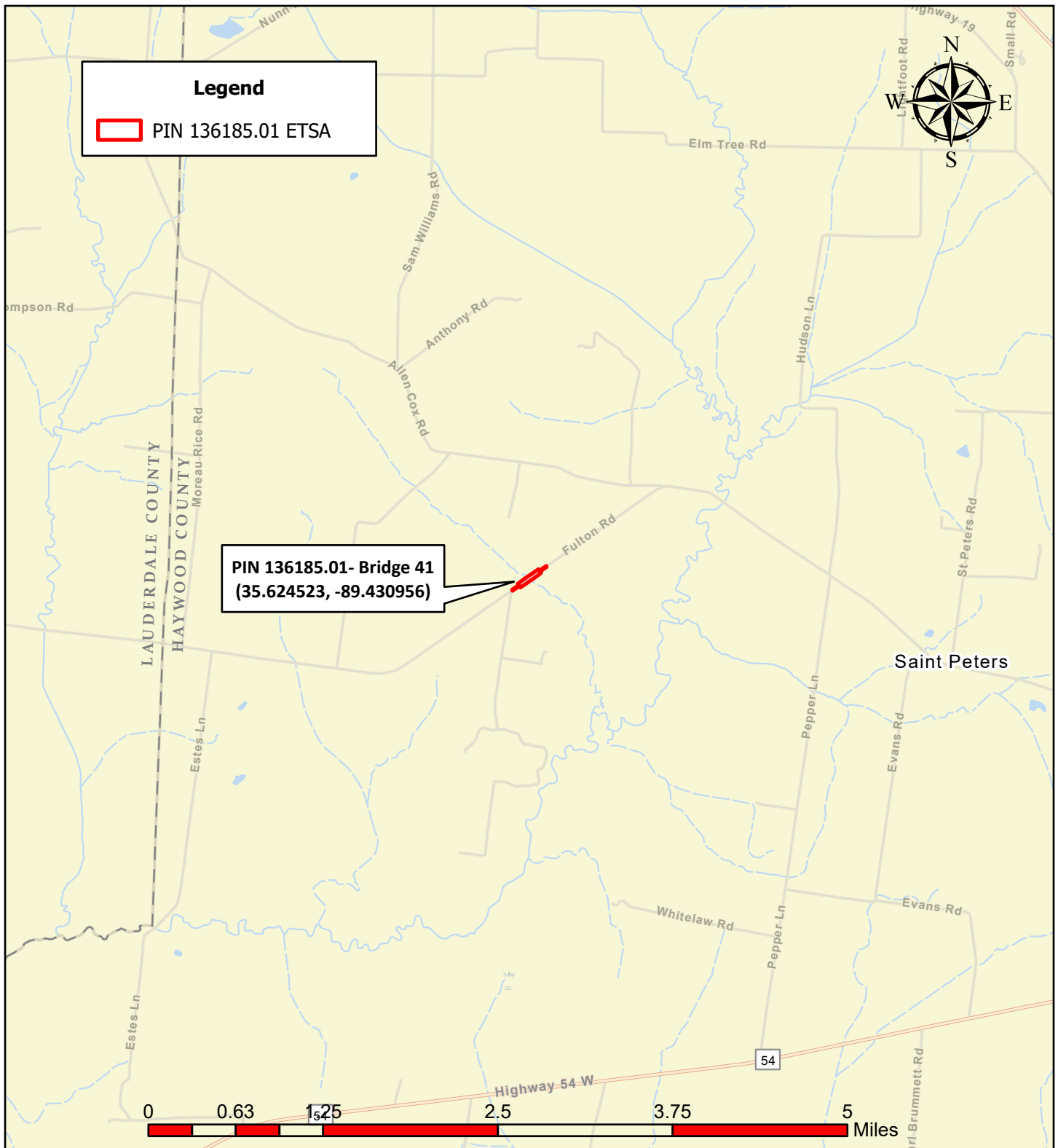
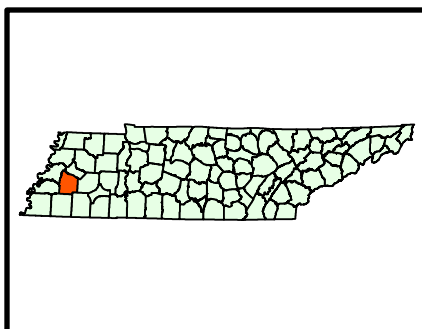
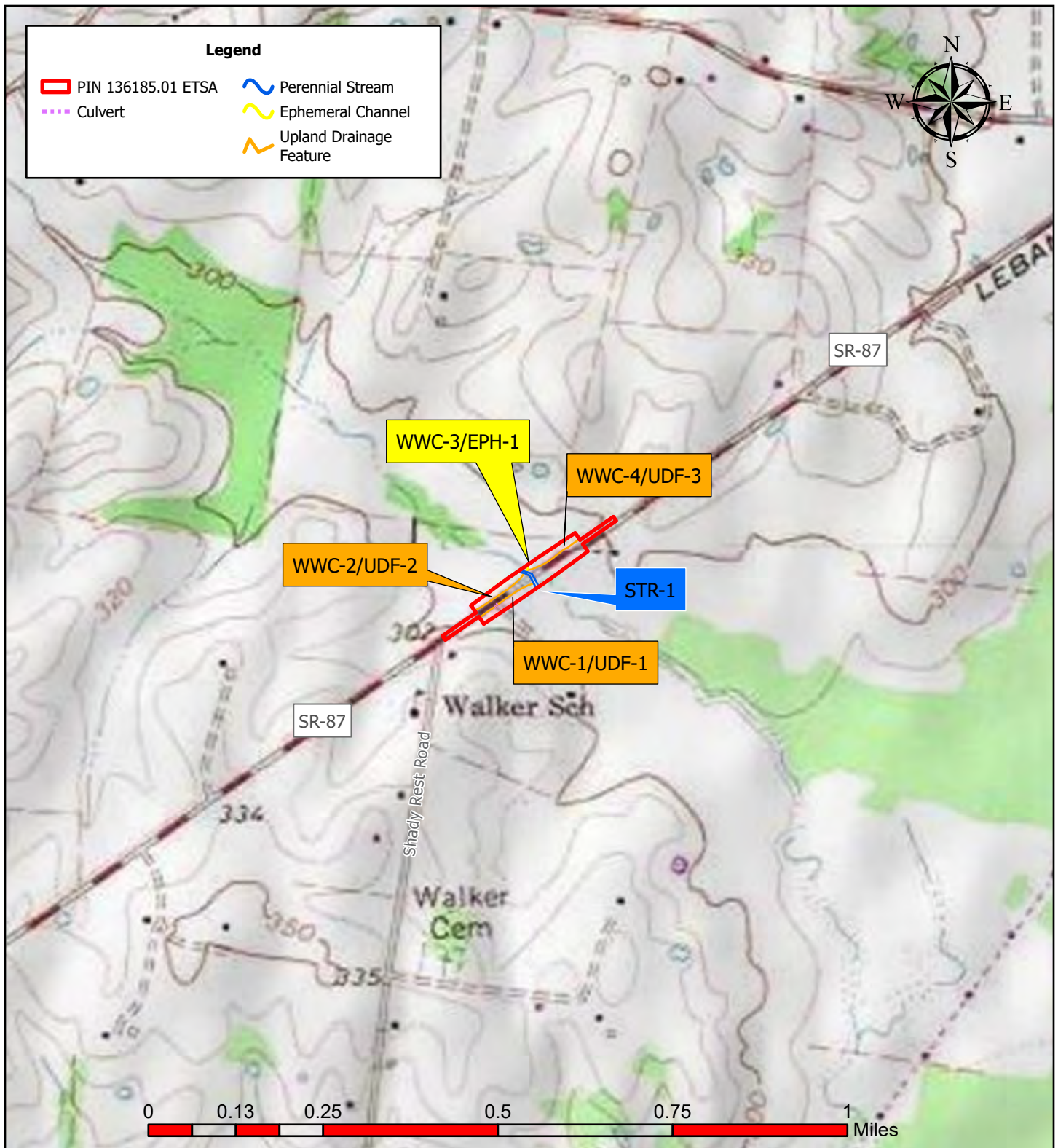


Figure 1: Vicinity Map
Haywood County, R4 Timber Bridge Bundle - Bridge 41

ESRI World Street Map Basemap
July 2, 2025

PIN 136185.01

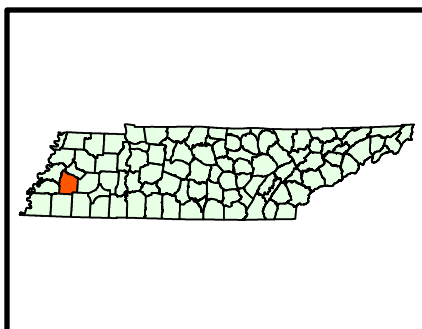
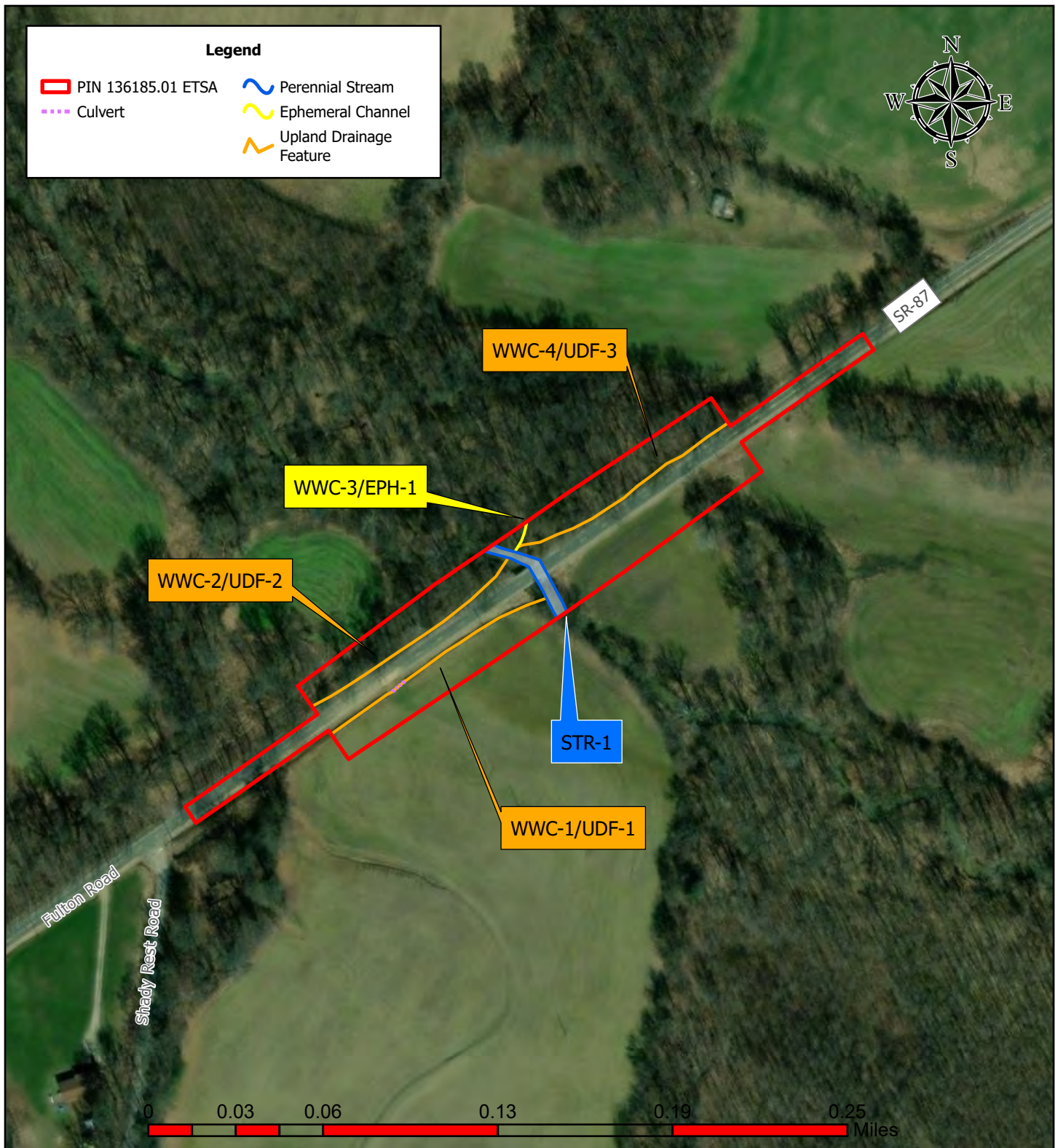




**Figure 2: Water Resources Topographic Map
Haywood County, R4 Timber Bridge Bundle - Bridge 41**

Gates, TN USGS Quadrangle
July 2, 2025

PIN 136185.01



**Figure 3: Water Resources Aerial Map
Haywood County, R4 Timber Bridge Bundle - Bridge 41**

2022 Maxar Vivid Standard Imagery
July 2, 2025

PIN 136185.01

Water Resource Table for NEPA Documentation

Based on: ETSA

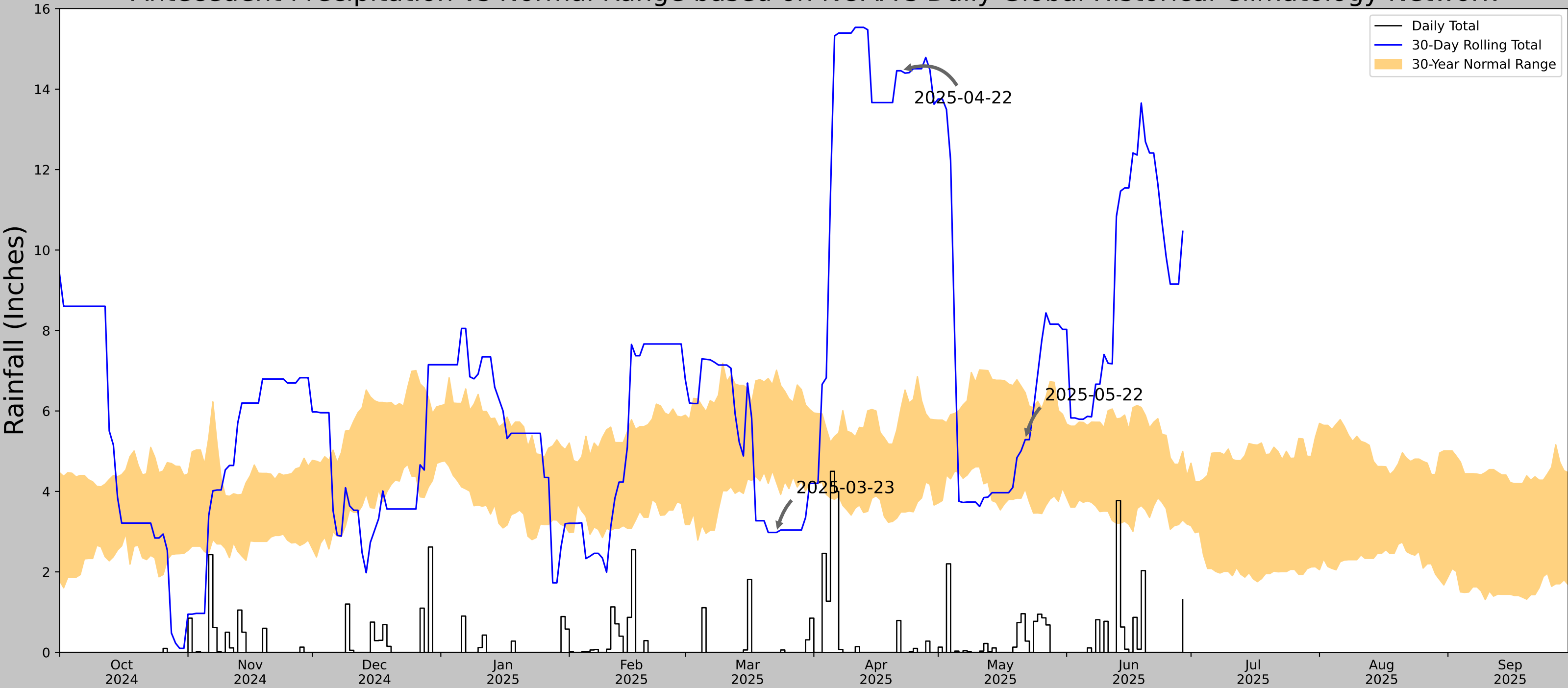
Date: 5/22/2025

Table Amounts are based on (choose only one): Estimated extent of resource within ETSA

Water Resources (Non-Wetland)									
Label	Type	Latitude	Longitude	Receiving Waters		USACE Jurisdiction	Quality	Amount (Linear Feet)	Amount (Acres)
WWC-1/UDF-1	Wet Weather Conveyance/Upland Drainage	35.624177	-89.431454	Lagoon Creek		No	Not Applicable	397	0.01
WWC-2/UDF-2	Wet Weather Conveyance/Upland Drainage	35.62426	-89.431551	Lagoon Creek		No	Not Applicable	385	0.01
STR-1	Perennial Stream	35.624545	-89.430903	Lagoon Creek		Yes	Unassessed	166	0.11
WWC-3/EPH-1	Wet Weather Conveyance/Ephemeral Stream	35.624697	-89.430992	Lagoon Creek		No	Not Applicable	51	0
WWC-4/UDF-3	Wet Weather Conveyance/Upland Drainage	35.624887	-89.430433	Lagoon Creek		No	Not Applicable	383	0.01
Total:							1,382	0.14	


Note- Features and estimated amounts referenced in this table are based on information available and may change as the project is further refined throughout project development.

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



Coordinates	35.624523, -89.430956
Observation Date	2025-05-22
Elevation (ft)	298.051
Drought Index (PDSI)	Mild wetness
WebWIMP H ₂ O Balance	Wet Season


30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-22	4.065748	6.454331	5.287402	Normal	2	3	6
2025-04-22	3.488976	6.054331	14.456693	Wet	3	2	6
2025-03-23	4.220079	7.014173	2.980315	Dry	1	1	1
Result							Normal Conditions - 13



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Figures and tables made by the
Antecedent Precipitation Tool
Version 2.0

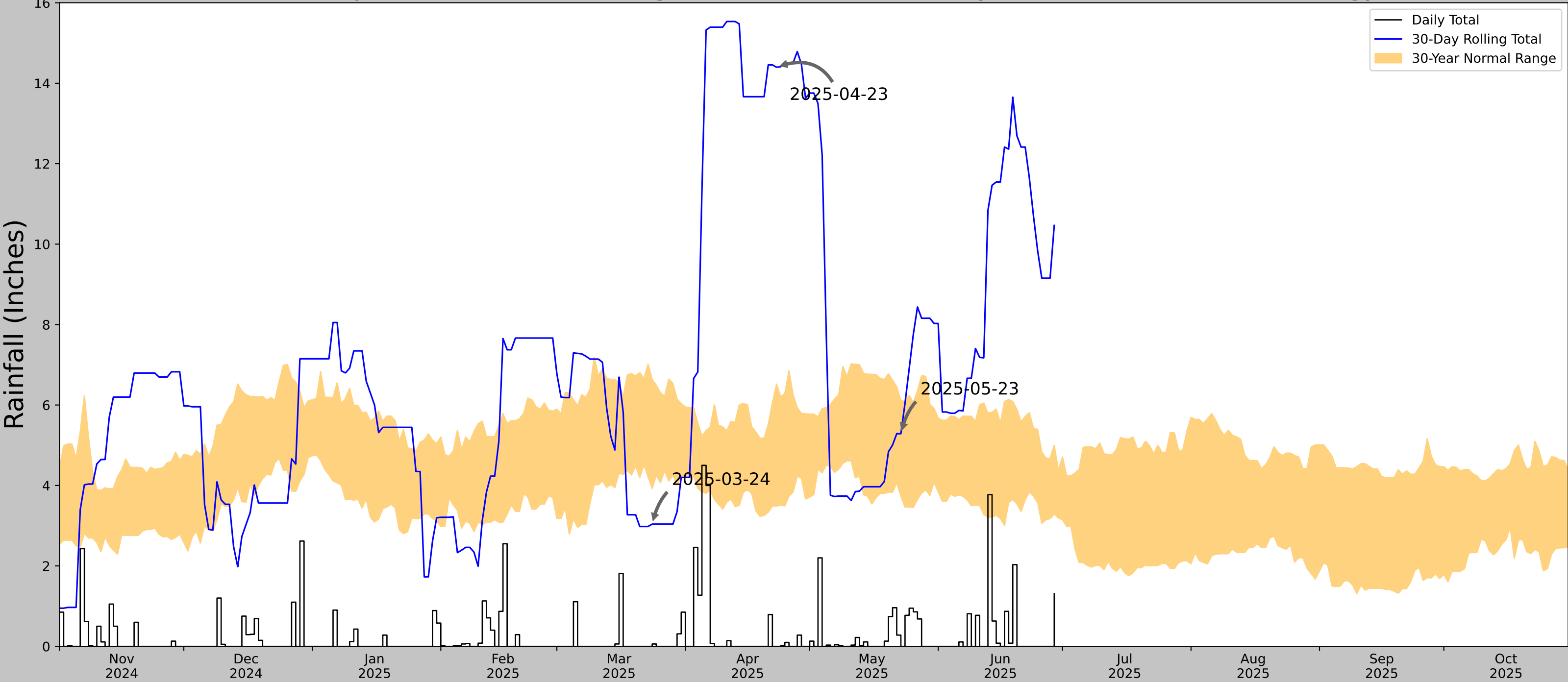
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U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center



ERDC
U.S. Army Corps of Engineers Research and Development Center


Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
BROWNSVILLE	35.5908, -89.2597	374.016	9.898	75.965	5.206	11116	70
BROWNSVILLE 1.0 SE	35.5841, -89.2423	348.097	1.082	25.919	0.515	77	20
RIPLEY	35.7178, -89.4986	399.934	16.028	25.918	7.628	157	0
ALAMO 1 N	35.7978, -89.1175	348.097	16.378	25.919	7.795	1	0
SOMERVILLE 10N	35.365, -89.3475	342.848	16.365	31.168	7.874	1	0
JACKSON MCKELLAR- SIPES AP	35.5933, -88.9169	423.885	19.261	49.869	9.628	1	0

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



Coordinates	35.624523, -89.430956
Observation Date	2025-05-23
Elevation (ft)	298.051
Drought Index (PDSI)	Mild wetness
WebWIMP H ₂ O Balance	Wet Season


30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-23	3.737795	6.105906	5.287402	Normal	2	3	6
2025-04-23	3.487795	6.52126	14.397638	Wet	3	2	6
2025-03-24	3.92441	6.633465	3.03937	Dry	1	1	1
Result							Normal Conditions - 13



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of Engineers®**

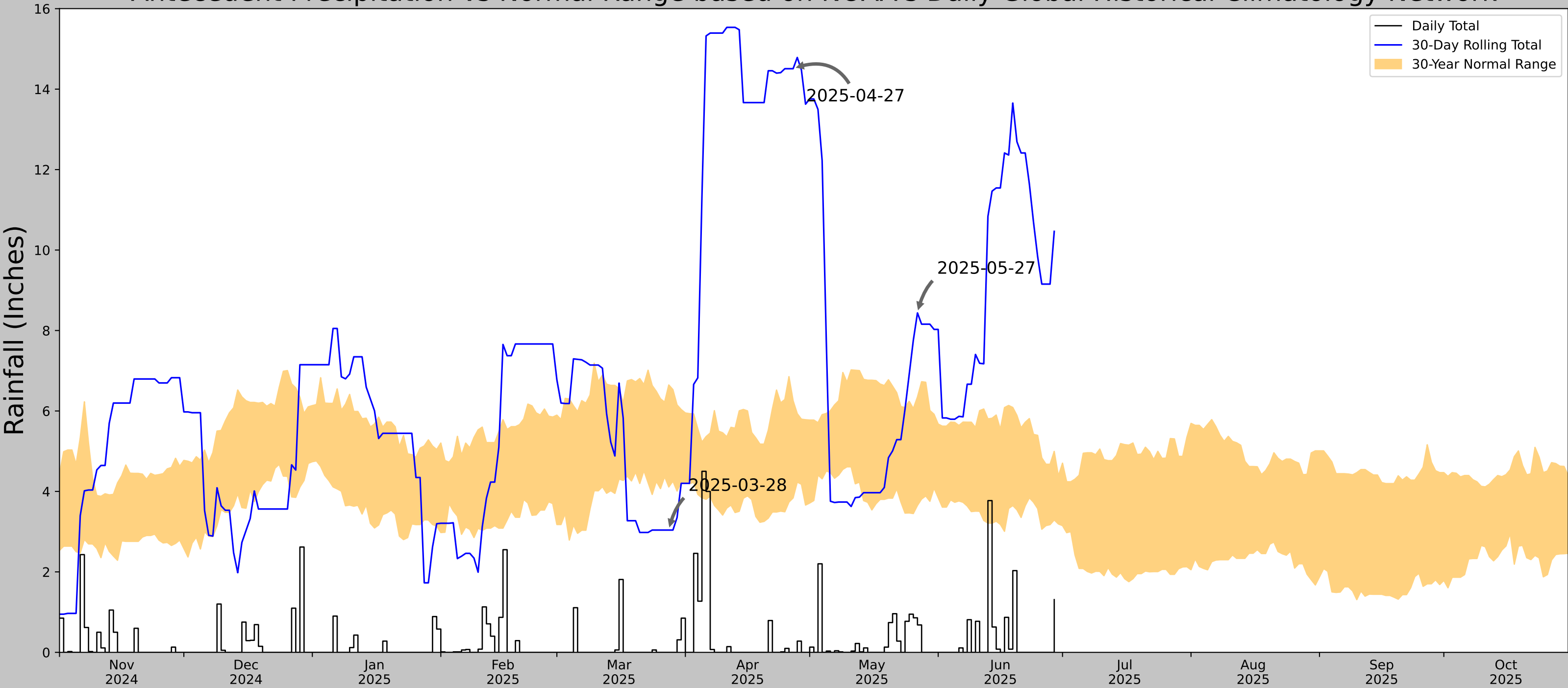
Figures and tables made by the
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Version 2.0

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U.S. Army Corps of Engineers and
U.S. Army Engineer Research and
Development Center




Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
BROWNSVILLE	35.5908, -89.2597	374.016	9.898	75.965	5.206	11116	69
BROWNSVILLE 1.0 SE	35.5841, -89.2423	348.097	1.082	25.919	0.515	77	21
RIPLEY	35.7178, -89.4986	399.934	16.028	25.918	7.628	157	0
ALAMO 1 N	35.7978, -89.1175	348.097	16.378	25.919	7.795	1	0
SOMERVILLE 10N	35.365, -89.3475	342.848	16.365	31.168	7.874	1	0
JACKSON MCKELLAR- SIPES AP	35.5933, -88.9169	423.885	19.261	49.869	9.628	1	0

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



Coordinates	35.624523, -89.430956
Observation Date	2025-05-27
Elevation (ft)	298.051
Drought Index (PDSI)	Mild wetness
WebWIMP H ₂ O Balance	Wet Season


30 Days Ending	30 th %ile (in)	70 th %ile (in)	Observed (in)	Wetness Condition	Condition Value	Month Weight	Product
2025-05-27	3.652756	6.348032	8.437008	Wet	3	3	9
2025-04-27	3.838189	6.255118	14.507874	Wet	3	2	6
2025-03-28	4.11063	6.646851	3.03937	Dry	1	1	1
Result							Wetter than Normal - 16



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Development Center



Weather Station Name	Coordinates	Elevation (ft)	Distance (mi)	Elevation Δ	Weighted Δ	Days Normal	Days Antecedent
BROWNSVILLE	35.5908, -89.2597	374.016	9.898	75.965	5.206	11116	68
BROWNSVILLE 1.0 SE	35.5841, -89.2423	348.097	1.082	25.919	0.515	77	22
RIPLEY	35.7178, -89.4986	399.934	16.028	25.918	7.628	157	0
ALAMO 1 N	35.7978, -89.1175	348.097	16.378	25.919	7.795	1	0
SOMERVILLE 10N	35.365, -89.3475	342.848	16.365	31.168	7.874	1	0
JACKSON MCKELLAR- SIPES AP	35.5933, -88.9169	423.885	19.261	49.869	9.628	1	0

Ecology Field Data Sheet: **Water Resources**

Project: PN136185.01									
Biologist:		I. Maldonado / L. Niven		Affiliation:		Athena EE		Date: 5/22/2025	
1-Station: from plans									
2-Map label and name		LM 2.30/ WWC-1 / UDF-1							
3-Latitude/Longitude		35.624177, -89.431454							
4-Feature description:									
-channel identification		perennial stream <input type="checkbox"/>		intermittent stream <input type="checkbox"/>		ephemeral stream <input type="checkbox"/>		wwc <input checked="" type="checkbox"/>	
-HD score (if applicable)		8.75							
-OHWM indicators		bed & banks <input checked="" type="checkbox"/>		deposition <input type="checkbox"/>		presence of litter debris <input checked="" type="checkbox"/>		scour <input type="checkbox"/>	
		change in plant community <input checked="" type="checkbox"/>		destruction of terrestrial veg <input type="checkbox"/>		multiple observe flow events <input type="checkbox"/>		sediment sorting <input type="checkbox"/>	
		change in soil character <input checked="" type="checkbox"/>		leaf litter disturb or absent <input type="checkbox"/>		natural line impressed on bank <input type="checkbox"/>		shelving <input type="checkbox"/>	
-channel bottom width		1'				-top of bank width		2'	
-width and max depth at ordinary high water mark		1' and .5'							
-width at bankfull		2'							
-bank height		LDB - 1'				RDB - 1'			
-riffle/pool complex or other specialized habitat present?		N/A							
-dominant riparian species:		LDB: grasses							
------(LDB /RDB)-----		RDB: grasses							
-particle size distribution %		Silt/Sand: 85		Gravel: 15		Cobble:		Boulder: 0	
5-photo numbers		1-6							
6-HUC -8 Code & Name		08010208 - Lower Hatchie							
7-Assessed		yes <input type="checkbox"/>		no <input checked="" type="checkbox"/>					
8-ETW		yes <input type="checkbox"/>		no <input checked="" type="checkbox"/>					
9-303 (d) List		yes <input type="checkbox"/>		siltation <input type="checkbox"/>		habitat: <input type="checkbox"/>		other: <input type="checkbox"/>	
		no <input checked="" type="checkbox"/>							
10-Notes									



Hydrologic Determination Field Data Sheet

Tennessee Division of Water Resources, Version 1.5 (Fillable Form)

Named Waterbody: UNT to Lagoon Creek		Date/Time: 5/22
Assessors/Affiliation: I. Maldonado / L. Niven		Project ID : 136185.01
Site Name/Description: SR-87 Bridge Repair Over Branch		
Site Location: WWC-1/UDF-1 (LM 2.30)		
HUC (12 digit): 080102080801- Lagoon Creek	Latitude: 35.624177	
Previous Rainfall (7-days) : 2.87"	Longitude: -89.431454	
Precipitation this Season vs. Normal : average Source of recent & seasonal precip. data : NOAA / weather.gov		
Watershed Size : <2.0 sq. mi.	County: Haywood	
Soil Type(s) / Geology : Ad - Adler silt loam, 0 to 2 percent slopes, frequently flooded	Source: Web Soil Survey	
Surrounding Land Use : Forested / Agricultural		
Degree of historical alteration to natural channel morphology & hydrology (select one & describe fully in Notes) : Moderate		

Primary Field Indicators Observed

Primary Indicators	NO	YES
1. Hydrologic feature exists solely due to a process discharge	<input checked="" type="checkbox"/>	WWC
2. Defined bed and bank absent, vegetation composed of upland and FACU species	<input checked="" type="checkbox"/>	WWC
3. Watercourse dry anytime during February through April 15th, under normal precipitation / groundwater conditions	<input type="checkbox"/> N/A	WWC
4. Daily flow and precipitation records showing feature only flows in direct response to rainfall	<input checked="" type="checkbox"/>	WWC
5. Presence of multiple populations of obligate lotic organisms with ≥ 2 month aquatic phase	<input checked="" type="checkbox"/>	Stream
6. Presence of fish (except <i>Gambusia</i>)	<input checked="" type="checkbox"/>	Stream
7. Presence of naturally occurring ground water table connection	<input checked="" type="checkbox"/>	Stream
8. Flowing water in channel and 7 days since last precip >0.1" in local watershed	<input checked="" type="checkbox"/>	Stream
9. Evidence watercourse has been used as a supply of drinking water	<input checked="" type="checkbox"/>	Stream

NOTE: If any Primary Indicators 1-9 = "Yes", then no further investigation is necessary. However, assessors may choose to score secondary indicators as supporting evidence.

In the absence of a primary indicator, or other definitive evidence, complete the secondary indicator table on page 2 of this sheet, and provide score below.

Guidance for the interpretation and scoring of both the primary & secondary indicators is provided in
TDEC-DWR Guidance For Making Hydrologic Determinations, Version 1.5

Overall Hydrologic Determination = WET WEATHER CONVEYANCE

Secondary Indicator Score (if applicable) = 8.75

Justification / Notes :

roadside ditch between ag field
no riparian buffer
forms confluence with main stream under bridge

Secondary Field Indicator Evaluation

A. Geomorphology (Subtotal = 4.25)	Absent	Weak	Moderate	Strong	
1. Continuous bed and bank	0	1	2	3	1.5
2. Sinuous channel	0	1	2	3	0
3. In-channel structure: riffle-pool sequences	0	1	2	3	1
4. Sorting of soil textures or other substrate	0	1	2	3	1
5. Active/relic floodplain	0	0.5	1	1.5	0
6. Depositional bars or benches	0	1	2	3	0
7. Braided channel	0	1	2	3	0
8. Recent alluvial deposits	0	0.5	1	1.5	0.5
9. Natural levees	0	1	2	3	0
10. Headcuts	0	1	2	3	0
11. Grade controls	0	0.5	1	1.5	0.25
12. Natural valley or drainageway	0	0.5	1	1.5	0
13. At least second order channel on existing USGS or NRCS map	0	1	2	3	0

B. Hydrology (Subtotal = 1.50)	Absent	Weak	Moderate	Strong	
14. Subsurface flow/discharge into channel	0	1	2	3	0
15. Water in channel and >48 hours since sig. rain	0	1	2	3	NA
16. Leaf litter in channel	1.5	1	0.5	0	0.75
17. Sediment on plants or on debris	0	0.5	1	1.5	0.5
18. Organic debris lines or piles (wrack lines)	0	0.5	1	1.5	0.25
19. Hydric soils in channel bed or sides of channel	No = 0		Yes = 1.5		0

C. Biology (Subtotal = 3.00)	Absent	Weak	Moderate	Strong	
20. Fibrous roots in channel bed ¹	3	2	1	0	1.5
21. Rooted plants in the thalweg ¹	3	2	1	0	1.5
22. Crayfish in stream (exclude in floodplain)	0	1	2	3	0
23. Bivalves/mussels	0	1	2	3	0
24. Amphibians	0	0.5	1	1.5	0
25. Macroinvertebrates (record type & abundance)	0	1	2	3	0
26. Filamentous algae; periphyton	0	1	2	3	0
27. Iron oxidizing bacteria/fungus	0	0.5	1	1.5	0
28. Wetland plants in channel bed ²	0	0.5	1	1.5	0

¹ Focus is on the presence of terrestrial plants.

² Focus is on the presence of aquatic or wetland plants.

Total Points = 8.75

Under Normal Conditions, Watercourse is a Wet Weather Conveyance if Secondary Indicator Score < 19 points

Notes :

Low sinuosity

Trenched drainage

water in channel, but recent rains influenced

culverts act as grade control

telephone pole in channel

Ecology Field Data Sheet: **Water Resources**

Project: PN136185.01									
Biologist:		I. Maldonado / L. Niven		Affiliation:		Athena EE		Date: 5/22/2025	
1-Station: from plans									
2-Map label and name		LM 2.30/ WWC-2 / UDF-2							
3-Latitude/Longitude		35.624260, -89.431551							
4-Feature description:									
-channel identification		perennial stream <input type="checkbox"/>		intermittent stream <input type="checkbox"/>		ephemeral stream <input type="checkbox"/>		wwc <input checked="" type="checkbox"/>	
-HD score (if applicable)		9.75							
-OHWM indicators		bed & banks <input checked="" type="checkbox"/>		deposition <input type="checkbox"/>		presence of litter debris <input checked="" type="checkbox"/>		scour <input type="checkbox"/>	
		change in plant community <input checked="" type="checkbox"/>		destruction of terrestrial veg <input type="checkbox"/>		multiple observe flow events <input type="checkbox"/>		sediment sorting <input type="checkbox"/>	
		change in soil character <input checked="" type="checkbox"/>		leaf litter disturb or absent <input type="checkbox"/>		natural line impressed on bank <input type="checkbox"/>		shelving <input type="checkbox"/>	
-channel bottom width		2'				-top of bank width		3'	
-width and max depth at ordinary high water mark		1' and .5'							
-width at bankfull		3'							
-bank height		LDB - 1'				RDB - 1'			
-riffle/pool complex or other specialized habitat present?		N/A							
-dominant riparian species:		LDB: grasses							
------(LDB /RDB)-----		RDB: grasses							
-particle size distribution %		Silt/Sand: 90		Gravel: 10		Cobble:		Boulder: 0	
5-photo numbers		7-12							
6-HUC -8 Code & Name		08010208 - Lower Hatchie							
7-Assessed		yes <input type="checkbox"/>		no <input checked="" type="checkbox"/>					
8-ETW		yes <input type="checkbox"/>		no <input checked="" type="checkbox"/>					
9-303 (d) List		yes <input type="checkbox"/>		siltation <input type="checkbox"/>		habitat: <input type="checkbox"/>		other: <input type="checkbox"/>	
		no <input checked="" type="checkbox"/>							
10-Notes									



Hydrologic Determination Field Data Sheet

Tennessee Division of Water Resources, Version 1.5 (Fillable Form)

Named Waterbody: UNT to Lagoon Creek		Date/Time: 5/22
Assessors/Affiliation: I. Maldonado / L. Niven		Project ID :
Site Name/Description: SR-87 Bridge Repair Over Branch		136185.01
Site Location: WWC-2/UDF-2 (LM 2.30)		
HUC (12 digit): 080102080801- Lagoon Creek	Latitude: 35.624260	
Previous Rainfall (7-days) : 2.87"	Longitude: -89.431551	
Precipitation this Season vs. Normal : average NOAA / weather.gov		
Source of recent & seasonal precip. data :		
Watershed Size : <2.0 sq. mi.	County: Haywood	
Soil Type(s) / Geology : Ad - Adler silt loam, 0 to 2 percent slopes, frequently flooded	Source: Web Soil Survey	
Surrounding Land Use : Forested / Agricultural		
Degree of historical alteration to natural channel morphology & hydrology (select one & describe fully in Notes) : Moderate		

Primary Field Indicators Observed

Primary Indicators	NO	YES
1. Hydrologic feature exists solely due to a process discharge	<input checked="" type="checkbox"/>	WWC
2. Defined bed and bank absent, vegetation composed of upland and FACU species	<input checked="" type="checkbox"/>	WWC
3. Watercourse dry anytime during February through April 15th, under normal precipitation / groundwater conditions	<input type="checkbox"/>	WWC
4. Daily flow and precipitation records showing feature only flows in direct response to rainfall	<input checked="" type="checkbox"/>	WWC
5. Presence of multiple populations of obligate lotic organisms with ≥ 2 month aquatic phase	<input checked="" type="checkbox"/>	Stream
6. Presence of fish (except <i>Gambusia</i>)	<input checked="" type="checkbox"/>	Stream
7. Presence of naturally occurring ground water table connection	<input checked="" type="checkbox"/>	Stream
8. Flowing water in channel and 7 days since last precip >0.1" in local watershed	<input checked="" type="checkbox"/>	Stream
9. Evidence watercourse has been used as a supply of drinking water	<input checked="" type="checkbox"/>	Stream

NOTE: If any Primary Indicators 1-9 = "Yes", then no further investigation is necessary. However, assessors may choose to score secondary indicators as supporting evidence.

In the absence of a primary indicator, or other definitive evidence, complete the secondary indicator table on page 2 of this sheet, and provide score below.

Guidance for the interpretation and scoring of both the primary & secondary indicators is provided in
TDEC-DWR Guidance For Making Hydrologic Determinations, Version 1.5

Overall Hydrologic Determination = WET WEATHER CONVEYANCE

Secondary Indicator Score (if applicable) = 9.75

Justification / Notes :

roadside ditch between road and forested area

slight riparian buffer

forms confluence with main stream under bridge

Water in channel, but from recent rains

Secondary Field Indicator Evaluation

A. Geomorphology (Subtotal = 4.25)	Absent	Weak	Moderate	Strong	
1. Continuous bed and bank	0	1	2	3	1.5
2. Sinuous channel	0	1	2	3	0
3. In-channel structure: riffle-pool sequences	0	1	2	3	1
4. Sorting of soil textures or other substrate	0	1	2	3	1
5. Active/relic floodplain	0	0.5	1	1.5	0
6. Depositional bars or benches	0	1	2	3	0
7. Braided channel	0	1	2	3	0
8. Recent alluvial deposits	0	0.5	1	1.5	0.5
9. Natural levees	0	1	2	3	0
10. Headcuts	0	1	2	3	0
11. Grade controls	0	0.5	1	1.5	0.25
12. Natural valley or drainageway	0	0.5	1	1.5	0
13. At least second order channel on existing USGS or NRCS map	0	1	2	3	0

B. Hydrology (Subtotal = 1.50)	Absent	Weak	Moderate	Strong	
14. Subsurface flow/discharge into channel	0	1	2	3	0
15. Water in channel and >48 hours since sig. rain	0	1	2	3	NA
16. Leaf litter in channel	1.5	1	0.5	0	0.75
17. Sediment on plants or on debris	0	0.5	1	1.5	0.5
18. Organic debris lines or piles (wrack lines)	0	0.5	1	1.5	0.25
19. Hydric soils in channel bed or sides of channel	No = 0		Yes = 1.5		0

C. Biology (Subtotal = 4.00)	Absent	Weak	Moderate	Strong	
20. Fibrous roots in channel bed ¹	3	2	1	0	2
21. Rooted plants in the thalweg ¹	3	2	1	0	2
22. Crayfish in stream (exclude in floodplain)	0	1	2	3	0
23. Bivalves/mussels	0	1	2	3	0
24. Amphibians	0	0.5	1	1.5	0
25. Macroinvertebrates (record type & abundance)	0	1	2	3	0
26. Filamentous algae; periphyton	0	1	2	3	0
27. Iron oxidizing bacteria/fungus	0	0.5	1	1.5	0
28. Wetland plants in channel bed ²	0	0.5	1	1.5	0

¹ Focus is on the presence of terrestrial plants.

² Focus is on the presence of aquatic or wetland plants.

Total Points = 9.75

Under Normal Conditions, Watercourse is a Wet Weather Conveyance if Secondary Indicator Score < 19 points

Notes :

Low sinuosity

Trenched drainage

water in channel, but recent rains influenced

similar to WWC across roadway

Ecology Field Data Sheet: **Water Resources**

Project: PN136185.01										
Biologist:	I. Maldonado / L. Niven		Affiliation:	Athena EE		Date:	5/22/2025			
1-Station: from plans										
2-Map label and name	LM 2.30/ STR-1									
3-Latitude/Longitude	35.624545, -89.430903									
4-Feature description:										
-channel identification	perennial stream	<input checked="" type="checkbox"/>	intermittent stream	<input type="checkbox"/>	ephemeral stream	<input type="checkbox"/>	wwc	<input type="checkbox"/>		
-HD score (if applicable)	20.75									
-OHWM indicators	bed & banks	<input checked="" type="checkbox"/>	deposition	<input checked="" type="checkbox"/>	presence of litter debris	<input checked="" type="checkbox"/>	scour	<input checked="" type="checkbox"/>	veg absent, bent, matted	<input type="checkbox"/>
	change in plant community	<input checked="" type="checkbox"/>	destruction of terrestrial veg	<input type="checkbox"/>	multiple observe flow events	<input type="checkbox"/>	sediment sorting	<input checked="" type="checkbox"/>	water staining	<input type="checkbox"/>
	change in soil character	<input checked="" type="checkbox"/>	leaf litter disturb or absent	<input type="checkbox"/>	natural line impressed on bank	<input checked="" type="checkbox"/>	shelving	<input type="checkbox"/>	wracking	<input checked="" type="checkbox"/>
-channel bottom width	25'			-top of bank width			35'			
-width and max depth at ordinary high water mark	30' and 3'									
-width at bankfull	35'									
-bank height	LDB - 8'				RDB - 8'					
-riffle/pool complex or other specialized habitat present?	riffle/pool									
-dominant riparian species: ------(LDB /RDB)-----	LDB: Juglans nigra									
	RDB: Acer negundo									
-particle size distribution %	Silt/Sand:	65	Gravel:	25	Cobble:	10	Boulder:	0	Bedrock:	0
5-photo numbers	13-16									
6-HUC -8 Code & Name	08010208 - Lower Hatchie									
7-Assessed	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>						
8-ETW	yes	<input type="checkbox"/>	no	<input checked="" type="checkbox"/>						
9-303 (d) List	yes	<input type="checkbox"/>	siltation	<input type="checkbox"/>	habitat:	<input type="checkbox"/>	<input type="checkbox"/>	other:	<input type="checkbox"/>	<input type="checkbox"/>
	no	<input checked="" type="checkbox"/>								
10-Notes										



Hydrologic Determination Field Data Sheet

Tennessee Division of Water Resources, Version 1.5 (Fillable Form)

Named Waterbody: UNT to Lagoon Creek		Date/Time: 5/22
Assessors/Affiliation: I. Maldonado / L. Niven		Project ID :
Site Name/Description: SR-87 Bridge Repair Over Branch		136185.01
Site Location: STR-1 (LM 2.30)		
HUC (12 digit): 080102080801- Lagoon Creek	Latitude: 35.624545	
Previous Rainfall (7-days) : 2.87"	Longitude: -89.430903	
Precipitation this Season vs. Normal : average NOAA / weather.gov Source of recent & seasonal precip. data :		
Watershed Size : 1.97 sq. mi.	County: Haywood	
Soil Type(s) / Geology : Ad - Adler silt loam, 0 to 2 percent slopes, frequently flooded	Source: Web Soil Survey	
Surrounding Land Use : Forested / Agricultural		
Degree of historical alteration to natural channel morphology & hydrology (select one & describe fully in Notes) : Slight		

Primary Field Indicators Observed

Primary Indicators	NO	YES
1. Hydrologic feature exists solely due to a process discharge	<input checked="" type="checkbox"/>	WWC
2. Defined bed and bank absent, vegetation composed of upland and FACU species	<input checked="" type="checkbox"/>	WWC
3. Watercourse dry anytime during February through April 15th, under normal precipitation / groundwater conditions	<input type="checkbox"/> N/A	WWC
4. Daily flow and precipitation records showing feature only flows in direct response to rainfall	<input checked="" type="checkbox"/>	WWC
5. Presence of multiple populations of obligate lotic organisms with ≥ 2 month aquatic phase	<input checked="" type="checkbox"/>	Stream
6. Presence of fish (except <i>Gambusia</i>)	<input checked="" type="checkbox"/>	Stream
7. Presence of naturally occurring ground water table connection	<input type="checkbox"/>	Stream
8. Flowing water in channel and 7 days since last precip >0.1" in local watershed	<input checked="" type="checkbox"/>	Stream
9. Evidence watercourse has been used as a supply of drinking water	<input checked="" type="checkbox"/>	Stream

NOTE: If any Primary Indicators 1-9 = "Yes", then no further investigation is necessary. However, assessors may choose to score secondary indicators as supporting evidence.

In the absence of a primary indicator, or other definitive evidence, complete the secondary indicator table on page 2 of this sheet, and provide score below.

Guidance for the interpretation and scoring of both the primary & secondary indicators is provided in
TDEC-DWR Guidance For Making Hydrologic Determinations, Version 1.5

Overall Hydrologic Determination = STREAM

Secondary Indicator Score (if applicable) = 20.75

Justification / Notes :

Main stream under bridge

great riparian buffer

Deep stream. Could not perform evaluation on in-channel criteria, however still scored a stream based on visual indicators.

Secondary Field Indicator Evaluation

A. Geomorphology (Subtotal = 11.75)	Absent	Weak	Moderate	Strong	
1. Continuous bed and bank	0	1	2	3	3
2. Sinuous channel	0	1	2	3	1
3. In-channel structure: riffle-pool sequences	0	1	2	3	1
4. Sorting of soil textures or other substrate	0	1	2	3	1
5. Active/relic floodplain	0	0.5	1	1.5	0
6. Depositional bars or benches	0	1	2	3	1.5
7. Braided channel	0	1	2	3	0
8. Recent alluvial deposits	0	0.5	1	1.5	0.75
9. Natural levees	0	1	2	3	0.5
10. Headcuts	0	1	2	3	0
11. Grade controls	0	0.5	1	1.5	0.5
12. Natural valley or drainageway	0	0.5	1	1.5	1
13. At least second order channel on existing USGS or NRCS map	0	1	2	3	1.5

B. Hydrology (Subtotal = 6.00)	Absent	Weak	Moderate	Strong	
14. Subsurface flow/discharge into channel	0	1	2	3	3
15. Water in channel and >48 hours since sig. rain	0	1	2	3	NA
16. Leaf litter in channel	1.5	1	0.5	0	1.5
17. Sediment on plants or on debris	0	0.5	1	1.5	0.75
18. Organic debris lines or piles (wrack lines)	0	0.5	1	1.5	0.75
19. Hydric soils in channel bed or sides of channel	No = 0		Yes = 1.5		0

C. Biology (Subtotal = 3.00)	Absent	Weak	Moderate	Strong	
20. Fibrous roots in channel bed ¹	3	2	1	0	NA
21. Rooted plants in the thalweg ¹	3	2	1	0	3
22. Crayfish in stream (exclude in floodplain)	0	1	2	3	0
23. Bivalves/mussels	0	1	2	3	0
24. Amphibians	0	0.5	1	1.5	0
25. Macroinvertebrates (record type & abundance)	0	1	2	3	0
26. Filamentous algae; periphyton	0	1	2	3	0
27. Iron oxidizing bacteria/fungus	0	0.5	1	1.5	0
28. Wetland plants in channel bed ²	0	0.5	1	1.5	0

¹ Focus is on the presence of terrestrial plants.

² Focus is on the presence of aquatic or wetland plants.

Total Points = 20.75

Under Normal Conditions, Watercourse is a Wet Weather Conveyance if Secondary Indicator Score < 19 points

Notes :

Low sinuosity

Very turbid from recent rain / elevated water level

No Biology observed, due to turbidity. Did not score, but assume presence.

Did not score Hydric Soils, but assume presence.

Score likely several points higher when water depth is lower.

Ecology Field Data Sheet: **Water Resources**

Project: PN136185.01									
Biologist:		I. Maldonado / L. Niven		Affiliation:		Athena EE		Date: 5/22/2025	
1-Station: from plans									
2-Map label and name		LM 2.30/ WWC-3 / EPH-1							
3-Latitude/Longitude		35.624697, -89.430992							
4-Feature description:									
-channel identification		perennial stream <input type="checkbox"/>		intermittent stream <input type="checkbox"/>		ephemeral stream <input type="checkbox"/>		wwc <input checked="" type="checkbox"/>	
-HD score (if applicable)		12.5							
-OHWM indicators		bed & banks <input checked="" type="checkbox"/>		deposition <input type="checkbox"/>		presence of litter debris <input checked="" type="checkbox"/>		scour <input checked="" type="checkbox"/>	
		change in plant community <input type="checkbox"/>		destruction of terrestrial veg <input checked="" type="checkbox"/>		multiple observe flow events <input type="checkbox"/>		sediment sorting <input type="checkbox"/>	
		change in soil character <input type="checkbox"/>		leaf litter disturb or absent <input type="checkbox"/>		natural line impressed on bank <input type="checkbox"/>		shelving <input type="checkbox"/>	
-channel bottom width		1.5'				-top of bank width		3'	
-width and max depth at ordinary high water mark		1' and .5'							
-width at bankfull		3'							
-bank height		LDB - 1.5'				RDB - 1.5'			
-riffle/pool complex or other specialized habitat present?		N/A							
-dominant riparian species:		LDB: grasses							
------(LDB /RDB)-----		RDB: grasses							
-particle size distribution %		Silt/Sand: 90		Gravel: 10		Cobble:		Boulder: 0	
5-photo numbers		17-20							
6-HUC -8 Code & Name		08010208 - Lower Hatchie							
7-Assessed		yes <input type="checkbox"/>		no <input checked="" type="checkbox"/>					
8-ETW		yes <input type="checkbox"/>		no <input checked="" type="checkbox"/>					
9-303 (d) List		yes <input type="checkbox"/>		siltation <input type="checkbox"/>		habitat: <input type="checkbox"/>		other: <input type="checkbox"/>	
		no <input checked="" type="checkbox"/>							
10-Notes									



Hydrologic Determination Field Data Sheet

Tennessee Division of Water Resources, Version 1.5 (Fillable Form)

Named Waterbody: UNT to Lagoon Creek		Date/Time: 5/22
Assessors/Affiliation: I. Maldonado / L. Niven		Project ID : 136185.01
Site Name/Description: SR-87 Bridge Repair Over Branch		
Site Location: WWC-3/EPH-1 (LM 2.30)		
HUC (12 digit): 080102080801- Lagoon Creek	Latitude: 35.624697	
Previous Rainfall (7-days) : 2.87"	Longitude: -89.430992	
Precipitation this Season vs. Normal : average NOAA / weather.gov Source of recent & seasonal precip. data :		
Watershed Size : <2.0 sq. mi.	County: Haywood	
Soil Type(s) / Geology : Ad - Adler silt loam, 0 to 2 percent slopes, frequently flooded	Source: Web Soil Survey	
Surrounding Land Use : Forested		
Degree of historical alteration to natural channel morphology & hydrology (select one & describe fully in Notes) : Absent		

Primary Field Indicators Observed

Primary Indicators	NO	YES
1. Hydrologic feature exists solely due to a process discharge	<input checked="" type="checkbox"/>	WWC
2. Defined bed and bank absent, vegetation composed of upland and FACU species	<input checked="" type="checkbox"/>	WWC
3. Watercourse dry anytime during February through April 15th, under normal precipitation / groundwater conditions	<input type="checkbox"/> N/A	WWC
4. Daily flow and precipitation records showing feature only flows in direct response to rainfall	<input checked="" type="checkbox"/>	WWC
5. Presence of multiple populations of obligate lotic organisms with ≥ 2 month aquatic phase	<input checked="" type="checkbox"/>	Stream
6. Presence of fish (except <i>Gambusia</i>)	<input checked="" type="checkbox"/>	Stream
7. Presence of naturally occurring ground water table connection	<input checked="" type="checkbox"/>	Stream
8. Flowing water in channel and 7 days since last precip >0.1" in local watershed	<input checked="" type="checkbox"/>	Stream
9. Evidence watercourse has been used as a supply of drinking water	<input checked="" type="checkbox"/>	Stream

NOTE: If any Primary Indicators 1-9 = "Yes", then no further investigation is necessary. However, assessors may choose to score secondary indicators as supporting evidence.

In the absence of a primary indicator, or other definitive evidence, complete the secondary indicator table on page 2 of this sheet, and provide score below.

Guidance for the interpretation and scoring of both the primary & secondary indicators is provided in
TDEC-DWR Guidance For Making Hydrologic Determinations, Version 1.5

Overall Hydrologic Determination = WET WEATHER CONVEYANCE

Secondary Indicator Score (if applicable) = 12.50

Justification / Notes :

ephemeral drainage in forested area

Good riparian buffer

forms confluence with main stream under bridge

Water in channel, but from recent rains

Secondary Field Indicator Evaluation

A. Geomorphology (Subtotal = 5.75)	Absent	Weak	Moderate	Strong	
1. Continuous bed and bank	0	1	2	3	1.5
2. Sinuous channel	0	1	2	3	1.5
3. In-channel structure: riffle-pool sequences	0	1	2	3	1
4. Sorting of soil textures or other substrate	0	1	2	3	1
5. Active/relic floodplain	0	0.5	1	1.5	0
6. Depositional bars or benches	0	1	2	3	0
7. Braided channel	0	1	2	3	0
8. Recent alluvial deposits	0	0.5	1	1.5	0
9. Natural levees	0	1	2	3	0
10. Headcuts	0	1	2	3	0
11. Grade controls	0	0.5	1	1.5	0.75
12. Natural valley or drainageway	0	0.5	1	1.5	0
13. At least second order channel on existing USGS or NRCS map	0	1	2	3	0

B. Hydrology (Subtotal = 2.75)	Absent	Weak	Moderate	Strong	
14. Subsurface flow/discharge into channel	0	1	2	3	0
15. Water in channel and >48 hours since sig. rain	0	1	2	3	NA
16. Leaf litter in channel	1.5	1	0.5	0	0.5
17. Sediment on plants or on debris	0	0.5	1	1.5	0.5
18. Organic debris lines or piles (wrack lines)	0	0.5	1	1.5	0.25
19. Hydric soils in channel bed or sides of channel	No = 0		Yes = 1.5		1.5

C. Biology (Subtotal = 4.00)	Absent	Weak	Moderate	Strong	
20. Fibrous roots in channel bed ¹	3	2	1	0	2
21. Rooted plants in the thalweg ¹	3	2	1	0	2
22. Crayfish in stream (exclude in floodplain)	0	1	2	3	0
23. Bivalves/mussels	0	1	2	3	0
24. Amphibians	0	0.5	1	1.5	0
25. Macroinvertebrates (record type & abundance)	0	1	2	3	0
26. Filamentous algae; periphyton	0	1	2	3	0
27. Iron oxidizing bacteria/fungus	0	0.5	1	1.5	0
28. Wetland plants in channel bed ²	0	0.5	1	1.5	0

¹ Focus is on the presence of terrestrial plants.

² Focus is on the presence of aquatic or wetland plants.

Total Points = 12.50

Under Normal Conditions, Watercourse is a Wet Weather Conveyance if Secondary Indicator Score < 19 points

Notes :

several logs, branches across channel catching leaves in channel.

moist channel

Ecology Field Data Sheet: **Water Resources**

Project: PN136185.01									
Biologist:		I. Maldonado / L. Niven		Affiliation:		Athena EE		Date: 5/22/2025	
1-Station: from plans									
2-Map label and name		LM 2.30/ WWC-4 / UDF-3							
3-Latitude/Longitude		35.624887, -89.430433							
4-Feature description:									
-channel identification		perennial stream <input type="checkbox"/>		intermittent stream <input type="checkbox"/>		ephemeral stream <input type="checkbox"/>		wwc <input checked="" type="checkbox"/>	
-HD score (if applicable)		8.25							
-OHWM indicators		bed & banks <input checked="" type="checkbox"/>		deposition <input type="checkbox"/>		presence of litter debris <input checked="" type="checkbox"/>		scour <input checked="" type="checkbox"/>	
		change in plant community <input type="checkbox"/>		destruction of terrestrial veg <input checked="" type="checkbox"/>		multiple observe flow events <input type="checkbox"/>		sediment sorting <input type="checkbox"/>	
		change in soil character <input type="checkbox"/>		leaf litter disturb or absent <input type="checkbox"/>		natural line impressed on bank <input type="checkbox"/>		shelving <input type="checkbox"/>	
-channel bottom width		1.5'				-top of bank width		3'	
-width and max depth at ordinary high water mark		1' and .5'							
-width at bankfull		3'							
-bank height		LDB - 1.5'				RDB - 1.5'			
-riffle/pool complex or other specialized habitat present?		N/A							
-dominant riparian species:		LDB: grasses							
------(LDB /RDB)-----		RDB: grasses							
-particle size distribution %		Silt/Sand: 90		Gravel: 10		Cobble:		Boulder: 0	
								Bedrock: 0	
5-photo numbers		21-24							
6-HUC -8 Code & Name		08010208 - Lower Hatchie							
7-Assessed		yes <input type="checkbox"/>		no <input checked="" type="checkbox"/>					
8-ETW		yes <input type="checkbox"/>		no <input checked="" type="checkbox"/>					
9-303 (d) List		yes <input type="checkbox"/>		siltation <input type="checkbox"/>		habitat: <input type="checkbox"/>		other: <input type="checkbox"/>	
		no <input checked="" type="checkbox"/>							
10-Notes		Roadside Drainage							



Hydrologic Determination Field Data Sheet

Tennessee Division of Water Resources, Version 1.5 (Fillable Form)

Named Waterbody: UNT to Lagoon Creek		Date/Time: 5/22
Assessors/Affiliation: I. Maldonado / L. Niven		Project ID :
Site Name/Description: SR-87 Bridge Repair Over Branch		136185.01
Site Location: WWC-4/UDF-3 (LM 2.30)		
HUC (12 digit): 080102080801- Lagoon Creek	Latitude: 35.624887	
Previous Rainfall (7-days) : 2.87"	Longitude: -89.430433	
Precipitation this Season vs. Normal : average NOAA / weather.gov Source of recent & seasonal precip. data :		
Watershed Size : <2.0 sq. mi.	County: Haywood	
Soil Type(s) / Geology : Ad - Adler silt loam, 0 to 2 percent slopes, frequently flooded	Source: Web Soil Survey	
Surrounding Land Use : Forested / Agricultural		
Degree of historical alteration to natural channel morphology & hydrology (select one & describe fully in Notes) : Slight		

Primary Field Indicators Observed

Primary Indicators	NO	YES
1. Hydrologic feature exists solely due to a process discharge	<input checked="" type="checkbox"/>	WWC
2. Defined bed and bank absent, vegetation composed of upland and FACU species	<input checked="" type="checkbox"/>	WWC
3. Watercourse dry anytime during February through April 15th, under normal precipitation / groundwater conditions	<input type="checkbox"/> N/A	WWC
4. Daily flow and precipitation records showing feature only flows in direct response to rainfall	<input checked="" type="checkbox"/>	WWC
5. Presence of multiple populations of obligate lotic organisms with ≥ 2 month aquatic phase	<input checked="" type="checkbox"/>	Stream
6. Presence of fish (except <i>Gambusia</i>)	<input checked="" type="checkbox"/>	Stream
7. Presence of naturally occurring ground water table connection	<input checked="" type="checkbox"/>	Stream
8. Flowing water in channel and 7 days since last precip >0.1" in local watershed	<input checked="" type="checkbox"/>	Stream
9. Evidence watercourse has been used as a supply of drinking water	<input checked="" type="checkbox"/>	Stream

NOTE: If any Primary Indicators 1-9 = "Yes", then no further investigation is necessary. However, assessors may choose to score secondary indicators as supporting evidence.

In the absence of a primary indicator, or other definitive evidence, complete the secondary indicator table on page 2 of this sheet, and provide score below.

Guidance for the interpretation and scoring of both the primary & secondary indicators is provided in
TDEC-DWR Guidance For Making Hydrologic Determinations, Version 1.5

Overall Hydrologic Determination = WET WEATHER CONVEYANCE

Secondary Indicator Score (if applicable) = 8.25

Justification / Notes :

Roadside drainage, enters forested area and forms confluence with WWC-3 and STR-1

Good riparian buffer once it enters forested area

no flow

Secondary Field Indicator Evaluation

A. Geomorphology (Subtotal = 4.50)	Absent	Weak	Moderate	Strong	
1. Continuous bed and bank	0	1	2	3	1
2. Sinuous channel	0	1	2	3	1
3. In-channel structure: riffle-pool sequences	0	1	2	3	1
4. Sorting of soil textures or other substrate	0	1	2	3	1
5. Active/relic floodplain	0	0.5	1	1.5	0
6. Depositional bars or benches	0	1	2	3	0
7. Braided channel	0	1	2	3	0
8. Recent alluvial deposits	0	0.5	1	1.5	0
9. Natural levees	0	1	2	3	0
10. Headcuts	0	1	2	3	0
11. Grade controls	0	0.5	1	1.5	0.5
12. Natural valley or drainageway	0	0.5	1	1.5	0
13. At least second order channel on existing USGS or NRCS map	0	1	2	3	0

B. Hydrology (Subtotal = 1.25)	Absent	Weak	Moderate	Strong	
14. Subsurface flow/discharge into channel	0	1	2	3	0
15. Water in channel and >48 hours since sig. rain	0	1	2	3	NA
16. Leaf litter in channel	1.5	1	0.5	0	0.5
17. Sediment on plants or on debris	0	0.5	1	1.5	0.5
18. Organic debris lines or piles (wrack lines)	0	0.5	1	1.5	0.25
19. Hydric soils in channel bed or sides of channel	No = 0		Yes = 1.5		0

C. Biology (Subtotal = 2.50)	Absent	Weak	Moderate	Strong	
20. Fibrous roots in channel bed ¹	3	2	1	0	1.5
21. Rooted plants in the thalweg ¹	3	2	1	0	1
22. Crayfish in stream (exclude in floodplain)	0	1	2	3	0
23. Bivalves/mussels	0	1	2	3	0
24. Amphibians	0	0.5	1	1.5	0
25. Macroinvertebrates (record type & abundance)	0	1	2	3	0
26. Filamentous algae; periphyton	0	1	2	3	0
27. Iron oxidizing bacteria/fungus	0	0.5	1	1.5	0
28. Wetland plants in channel bed ²	0	0.5	1	1.5	0

¹ Focus is on the presence of terrestrial plants.

² Focus is on the presence of aquatic or wetland plants.

Total Points = 8.25

Under Normal Conditions, Watercourse is a Wet Weather Conveyance if Secondary Indicator Score < 19 points

Notes :

no biology

dissipates shortly in forested area, but reforms before confluence with WWC-3.



Photo 1: WWC-1/UDF-1 Start downgradient



Photo 2: WWC-1/UDF-1 Start upgradient



Photo 3: WWC-1/UDF-1 Culvert 24" Steel CP facing downgradient



Photo 4: WWC-1/UDF-1 Culvert 24" Steel CP facing upgradient



Photo 5: WWC-1/UDF-1 downgradient



Photo 6: WWC-1/UDF-1 End upgradient across STR-1



Photo 7: WWC-2/UDF-2 Start downgradient



Photo 8: WWC-2/UDF-2 Start upgradient



Photo 9: WWC-2/UDF-2 downgradient



Photo 10: WWC-2/UDF-2 upgradient



Photo 11: WWC-2/UDF-2 End downgradient into STR-1



Photo 12: WWC-2/UDF-2 End upgradient



Photo 13: STR-1 downstream

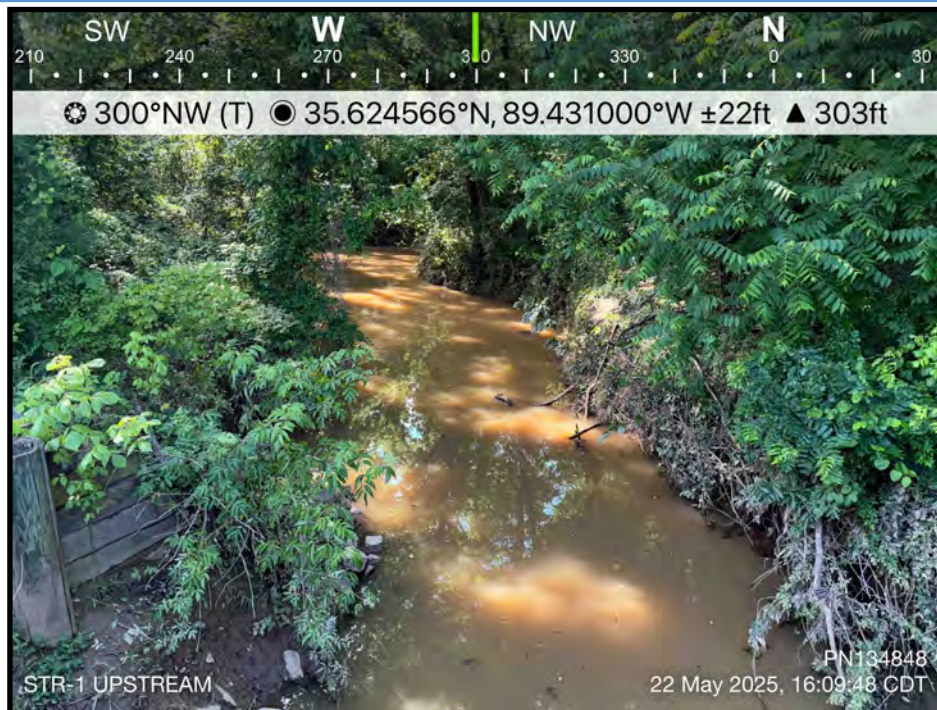


Photo 14: STR-1 upstream

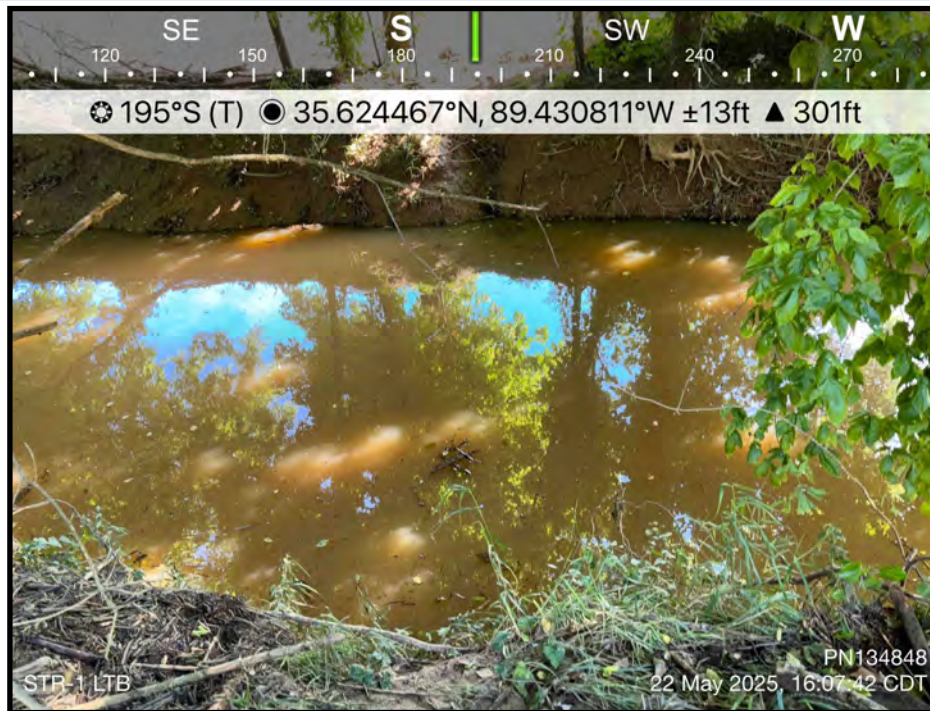


Photo 15: STR-1 left top bank



Photo 16: STR-1 right top bank



Photo 17: WWC-3/EPH-1 End downgradient facing STR-1



Photo 18: WWC-3/EPH-1 End upgradient



Photo 19: WWC-3/EPH-1 Start downgradient



Photo 20: WWC-3/EPH-1 Start upgradient



Photo 21: WWC-4/UDF-3 End downgradient



Photo 22: WWC-4/UDF-3 End upgradient



Photo 23: WWC-4/UDF-3 Start downgradient



Photo 24: WWC-4/UDF-3 Start upgradient



[EXTERNAL] Re: IPaC delivered Official Species List for project: 134848.00, SR-87 Bridge over Branch, LM 2.30

From TDOT_USFWS <tdot_usfws@fws.gov>

Date Wed 5/21/2025 9:14 AM

To William Methvin <William.Methvin@tn.gov>

Cc Sikula, Nicole R <nicole_sikula@fws.gov>; Harris, Abigail N <abigail_harris@fws.gov>; DeVore, Christopher <Christopher_DeVore@fws.gov>; Casey Parker <Casey.Parker@tn.gov>; Rita M. Thompson <Rita.M.Thompson@tn.gov>

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Will,

Thank you for your correspondence regarding the SR-87 bridge replacement at LM 2.30 in Haywood County, Tennessee (PIN: 134848.00). You are requesting a list of federally threatened or endangered species that may be present in the project area.

A review of our database does not indicate that any federally listed or proposed species or designated critical habitat would be impacted by the project. Therefore, based on the best information available at this time, we believe that the requirements of the Endangered Species Act (ESA) are fulfilled for all species that currently receive protection under the ESA. Obligations under section 7 of the ESA should be reconsidered if (1) new information reveals impacts of the proposed action that may affect listed species or critical habitat in a manner not previously considered, (2) the proposed action is subsequently modified to include activities which were not considered during this consultation, or (3) new species are listed or critical habitat designated that might be affected by the proposed action.

This email will serve as our official project response. Please let me know if we can offer further assistance.

Thank you,

Wesley Giddens

Fish and Wildlife Biologist

U.S. Fish and Wildlife Service

Tennessee Ecological Services Field Office

446 Neal Street

Cookeville, TN 38501

Email: david_giddens@fws.gov

Cell Phone: (931)260-6938

NOTE: This email correspondence and any attachments to and from this sender is subject to the Freedom of Information Act (FOIA) and may be disclosed to third parties.

From: Administrator Email <ecosphere_support@ecosphere.fws.gov>

Sent: Tuesday, April 29, 2025 10:06 AM

To: Griffith, John <John_Griffith@fws.gov>; Tennessee ES, FWS <tennesseeES@fws.gov>; Sykes, Robbie <robbie_sykes@fws.gov>; TDOT_USFWS <tdot_usfws@fws.gov>; Alexander, Steven <steven_alexander@fws.gov>

Subject: IPaC delivered Official Species List for project: 134848.00, SR-87 Bridge over Branch, LM 2.30

To: IPaC point(s) of contact for Tennessee Ecological Services Field Office

Project Location: Haywood County, Tennessee

IPaC has delivered an official Section 7 species list on behalf of your office. For your convenience, IPaC has created an ETK project ([2025-0089576](#)) with a new associated 'Species List Provided' event. A PDF file of the species list document is attached to the event and contact information for the project can be found on the last page of the PDF.

IPaC has automatically set the Project status to "Closed". If you need to do any additional work in this project (e.g., add staff, add events, change lead office, etc.), you must first change the Project status to "active" so that you can edit the project. You can access the project via the link, above.

Lead FWS Office:

The Tennessee Ecological Services Field Office is currently designated as the lead office for Section 7 on this project. The following additional offices have jurisdiction and have been notified: None. If another office is the lead office on this project, please access the project (via the link above) and update it. IPaC will not reset the Lead Office once it has been updated by a biologist.

*Projects created in ETK by IPaC have not been assigned to an FWS staff member. To identify the staff assigned to this project, please access the project (via the link above) and add their name(s).



**TENNESSEE WILDLIFE
RESOURCES AGENCY**
WWW.TNWILDLIFE.ORG
(615) 781-6500

**STATE OF TENNESSEE
ELLINGTON AGRICULTURAL CENTER**
5107 EDMONDSON PIKE
NASHVILLE, TN 37211

May 21, 2025

Re: Haywood County SR-87 Bridge replacement PIN 134848.00

Mr. William Methvin,

The Tennessee Wildlife Resources Agency has reviewed the information that you provided regarding the subject project in Haywood County, Tennessee. Your letter to us requested comments by our agency regarding potential impacts to endangered species, wetlands, and other areas of concern as we may think pertinent due to the proposed project.

This project involves the proposed bridge replacement on SR-87 in Haywood County. The initial information provided by TDOT and the data I have reviewed and compared to the proposed project, conclude that the project is not anticipated to adversely affect any federally or state-listed Endangered, Threatened, or Deemed-In-Need-of-Management species. Based upon these understandings, TWRA does not anticipate adverse impacts upon listed species under our authority due to the project and we have no concerns or objection to the proposed project. Re-coordination will be required if new species records are found or if the proposed project plans incorporate critical habitat for listed species of concern.

Thank you for the opportunity to review and comment on this proposed project. If you have further questions regarding this matter; please contact me at (731) 431-0012.

Sincerely,

Casey Parker
West TN Transportation Biologist

