STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
ENVIRONMENTAL DIVISION
REGION 3 ENVIRONMENTAL SECTION
6601 CENTENNIAL BOULEVARD
NASHVILLE, TENNESSEE 37243-1402
(615) 335-8783

BUTCH ELEY
DEPUTY GOVERNOR &
COMMISSIONER OF TRANSPORTATION

BILL LEE
GOVERNOR

MEMORANDUM

To: Brandon Chance
Headquarters Environmental Section

From: Evelyn DiOrio
Region 3 Environmental Section

Evelyn DiOrio Digitally signed by Evelyn DiOrio Date: 2024.09.26 14:38:30 -05'00'

Date: September 26, 2024

Subject: ENVIRONMENTAL BOUNDARIES FOR:
Smith/Putnam Counties, I-40 Truck Parking and Bridge Replacement over the Caney Fork River
PIN: 131552.01

An ecological evaluation of the subject project has been conducted in response to an initial evaluation request, with the following results:

STREAMS: There are two (2) streams and four (4) wet weather conveyances within the project area.

WETLANDS: There are no wetlands within the project area.

OTHER FEATURES: There is one (1) potential sinkhole and one (1) potential cave within the project area.

SPECIES:

- USFWS: Coordination with USFWS has been completed and it was determined there will be No Effect on federally listed species.

- TWRA: TWRA coordination was completed and a time of year restriction for in stream work will be required due to multiple state listed species.

- TDEC DNA: TDEC DNA coordination was completed and no effects on state listed plant species are anticipated as a result of this project. There are a number of state listed species in the vicinity, so if the scope of work changes further coordination may be warranted.

SPECIAL NOTES: There are no special notes for the subject project.

COMMITMENTS: The following are commitments and will be added in PPRM:

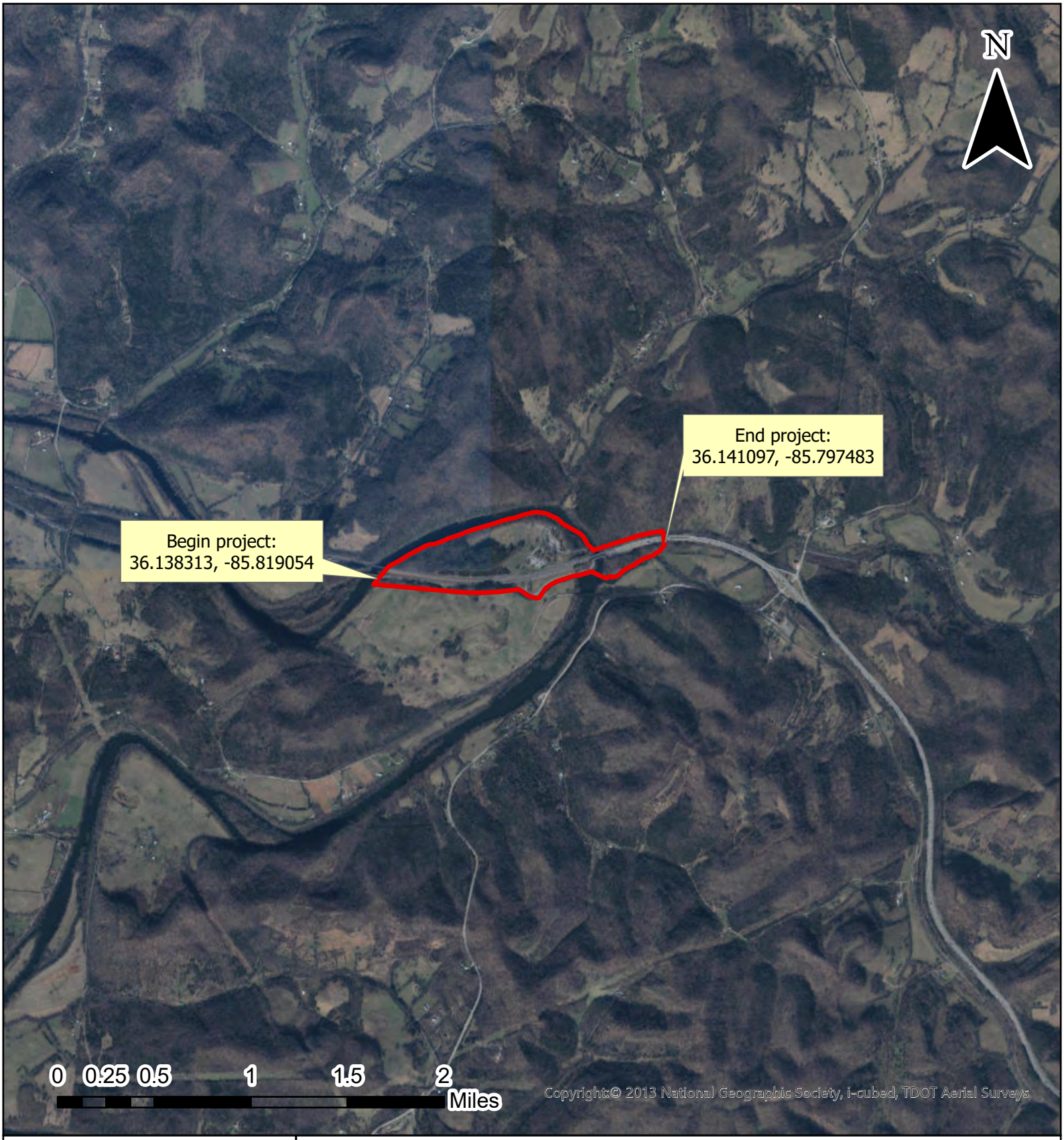
In accordance with the Programmatic Consultation for Addressing Cliff Swallows and Barn Swallows on Transportation Projects dated 9/16/2020, cliff swallow and barn swallow nests, eggs, or birds (young and adults) will not be disturbed between April 15 and July 31. From August 1 to April 14, nests may be removed or destroyed, and measures may be implemented to prevent future nest building at the site (e.g., closing off area using netting).

Due to the presence of multiple state listed fish species, in stream work is prohibited from April 1 to June 30.

Haul road(s) shall not extend beyond one-third the stream width to avoid obstructing flow.

If the scope of work for this project is revised, please contact the regional biologist for additional review and agency coordination as soon as possible. Your assistance is appreciated. If you have any questions or comments, please contact me at (615) 837-5004 or evelyn.diorio@tn.gov.

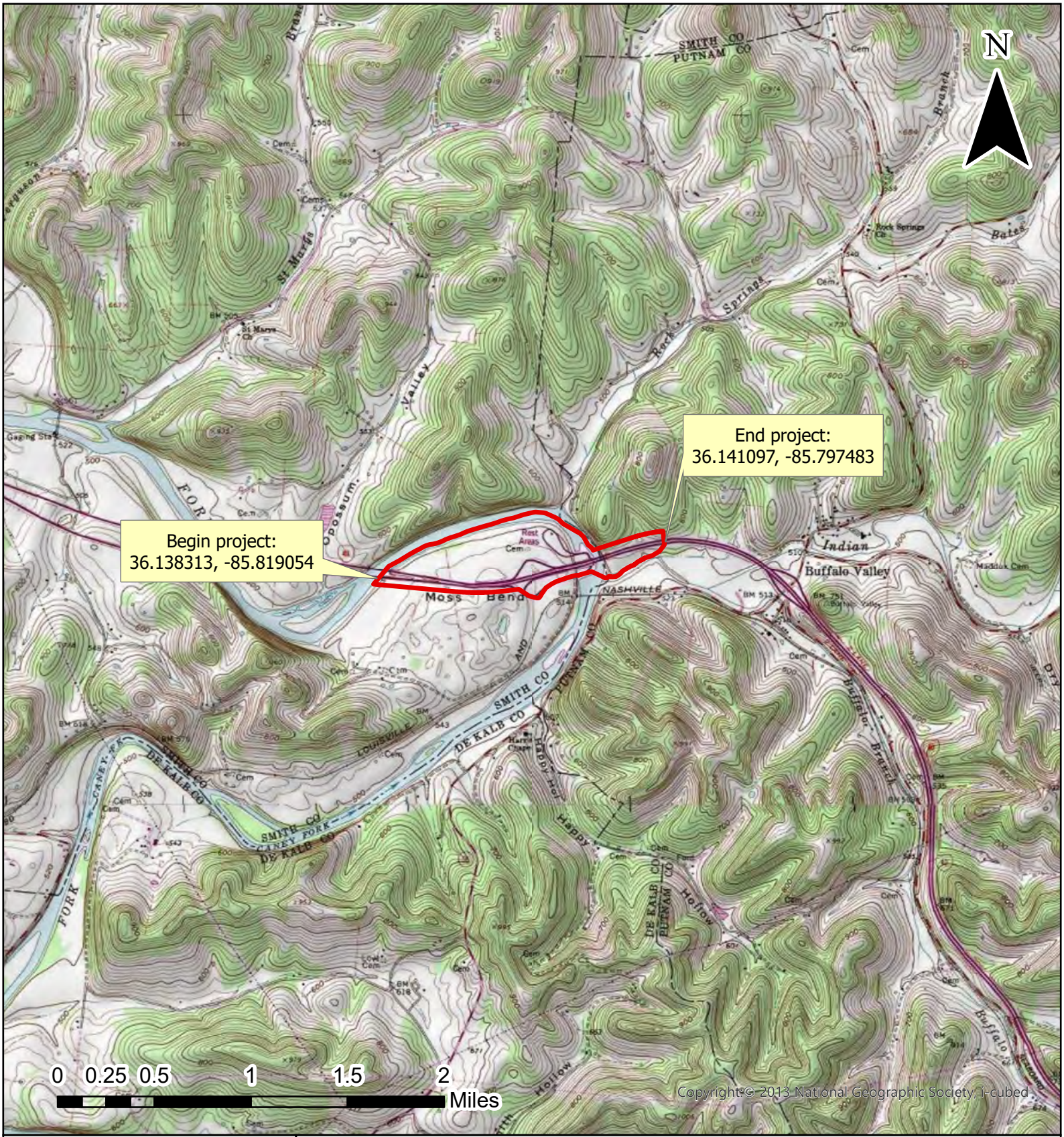
xc: R3.EnvTechOffice
TDOT.Env.Ecology
Kimberly Welch



Smith/Putnam Co. I-40 Truck Parking and Bridge Replacement over the Caney Fork River

PIN: 131552.01

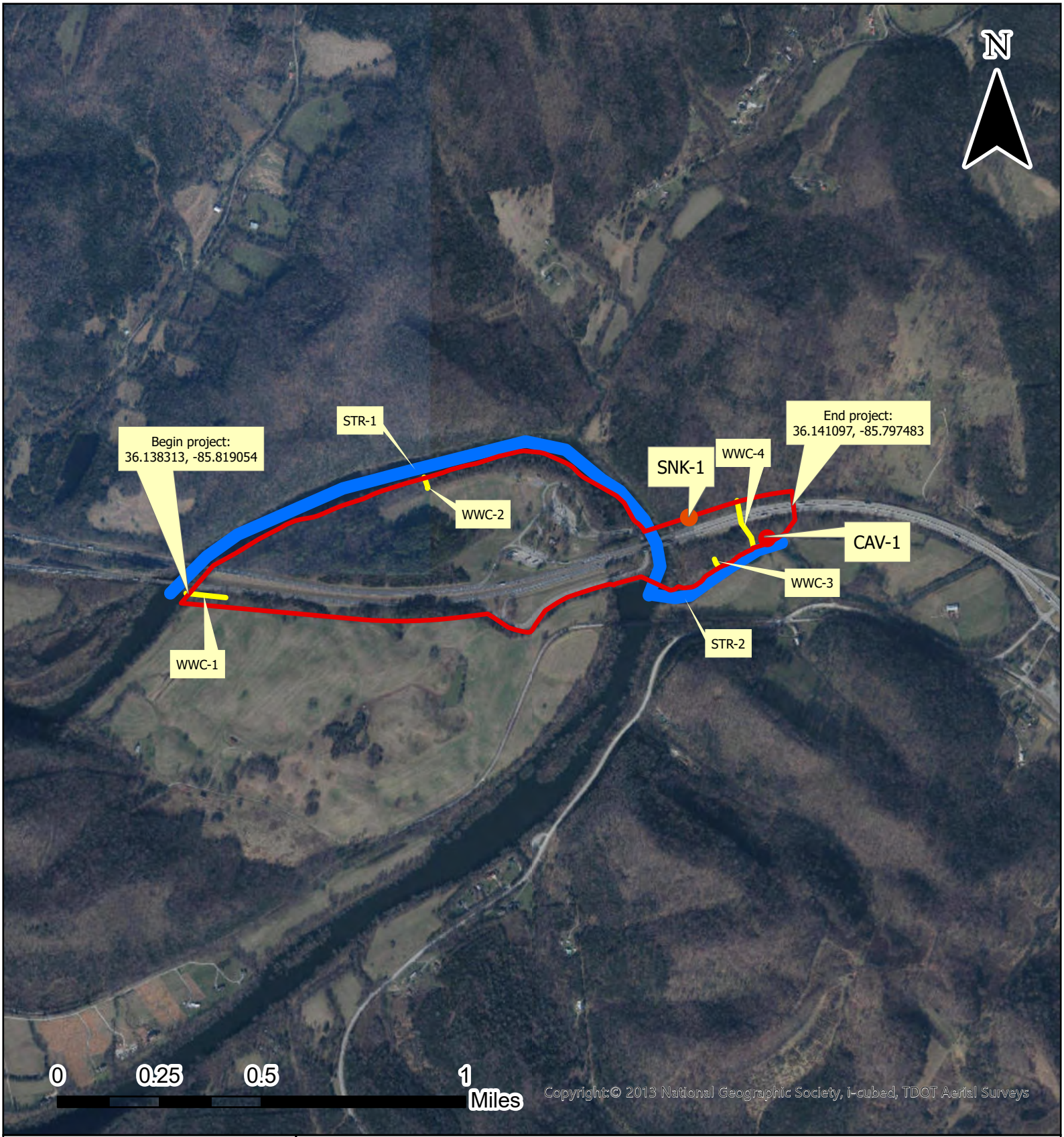
TN TDOT Department of Transportation



Smith/Putnam Co. I-40 Truck Parking and Bridge Replacement over the Caney Fork River

PIN: 131552.01

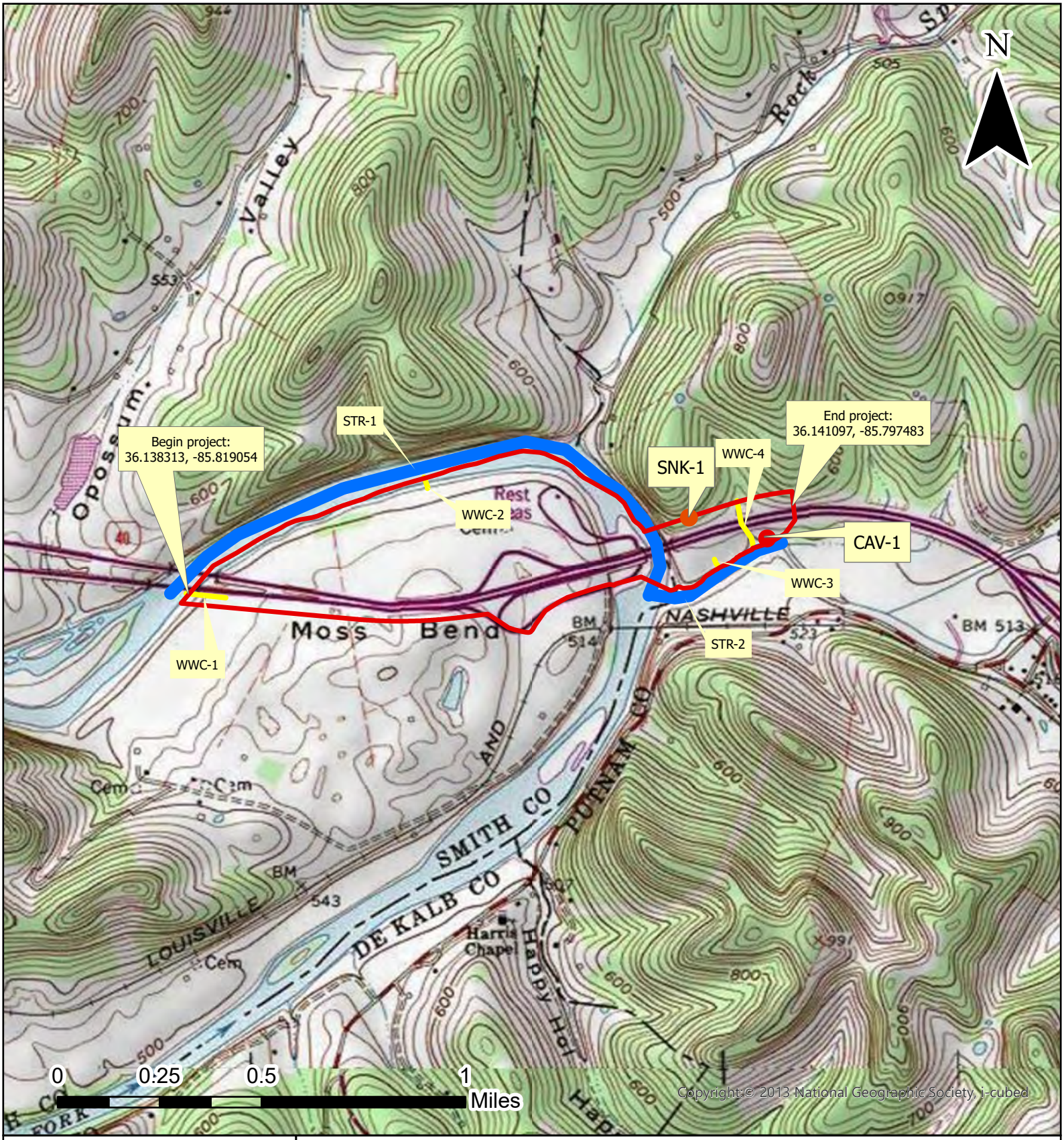
TN TDOT Department of Transportation



Smith/Putnam Co. I-40 Truck Parking and Bridge Replacement over the Caney Fork River

PIN: 131552.01

TN TDOT Department of Transportation



Smith/Putnam Co. I-40 Truck Parking and Bridge Replacement over the Caney Fork River

PIN: 131552.01

TN TDOT Department of Transportation

Project Name: Smith/Putnam I-40 Truck Parking and Bridge Replacement over the Caney Fork River **PIN:** 131552.01

Water Resource Table

Based on: ETSA

Date: 12/14/2023

Water Resources (Non-Wetland)					
Label	**Type**	**Latitude**	**Longitude**	**Receiving Waters**	**Quality**
STR-1	Perennial Stream	36.141983	-85.810155	Cumberland River	ETW/Impaired (303(d))
STR-2	Perennial Stream	36.138627	-85.801272	Caney Fork River	Fully Supporting
WWC-1	Wet Weather Conveyance	36.138589	-85.818901	Caney Fork River	Unassessed
WWC-2	Wet Weather Conveyance	36.141784	-85.810451	Caney Fork River	Unassessed
WWC-3	Wet Weather Conveyance	36.139532	-85.800223	Caney Fork River	Unassessed
WWC-4	Wet Weather Conveyance	36.141392	-85.799378	Caney Fork River	Unassessed

Ecology Field Data Sheet: **Water Resources**

Project: Smith/Putnam	I-40 Truck Parking and Bridge Replacement over the Caney Fork River	PIN:131552.01			
Biologist:	MLB/EWD	**Affiliation:**	-TDOT	**Date:**	8/26/2024

1-Station: from plans											
2-Map label and name	WWC-1										
3-Latitude/Longitude	36.138589, -85.818901										
4-Feature description:											
-channel identification	perennial stream		intermittent stream		ephemeral stream		wwc	✓			
-HD score (if applicable)	17										
-OHWM indicators	bed & banks	✓	deposition		presence of litter debris		scour	✓	veg absent, bent, matted	✓	
	change in plant community	✓	destruction of terrestrial veg		multiple observe flow events		sediment sorting		water staining		
	change in soil character	✓	leaf litter disturb or absent		natural line impressed on bank		shelving		wracking		
-channel bottom width	5.8 ft		-top of bank width		32.5 ft						
-width and max depth at ordinary high water mark	W: 5.8 ft		D: 0.4 ft								
-width at bankfull	17.7ft										
-bank height	LDB - 8 ft		RDB - 8 ft								
-riffle/pool complex or other specialized habitat present?	no										
-dominant riparian species: ----------(LDB /RDB)----------	LDB: sycamore, silver maple										
	RDB: sycamore, paw paw										
-particle size distribution %	Silt/Sand: 98		Gravel: 0		Cobble: 0		Boulder: 2		Bedrock: 0		
5-photo numbers	1-4										
6-HUC -8 Code & Name	05130108 Caney Fork River										
7-Assessed	yes				no	✓					
8-ETW	yes				no	✓					
9-303 (d) List	yes				siltation		habitat:		other:		
	no	✓									

10-Notes

Down gradient of grade control at the end of concrete lined channel (about 50 ft from Caney Fork River) is much more developed, up gradient of concrete lined channel is much less defined. The area down gradient of the grade control is likely part of the Caney Fork during the course of the day since the Caney Fork River levels fluctuate about 6 ft over a 24 hr period due to week-nightly generation from dam.

Culvert size and Condition

n/a

Hydrologic Determination Field Data Sheet

Tennessee Division of Water Pollution Control, Version 1.5

Named Waterbody:	Date/Time: 8/26/2024
Assessors/Affiliation: MLB/EWD -TDOT	Project ID : PIN:131552.01
Site Name/Description: I-40 Truck Parking and Bridge Replacement over the Caney Fork River	
Site Location: WWC-1	
HUC (12 digit): 051301080904 Indian Creek	Lat/Long:
Previous Rainfall (7-days) : 0.01 inches	36.138589, -85.818901
Precipitation this Season vs. Normal : abnormally wet elevated (average) low abnormally dry unknown Source of recent & seasonal precip data : NOAA past weather/AgACIS last 7 days	
Watershed Size : <2 sq miles	County: Smith/Putnam
Soil Type(s) / Geology : Arrington silt loam, 0 to 2 percent slopes, occasionally flooded Source: NRCS	
Surrounding Land Use : Agricultural	
Degree of historical alteration to natural channel morphology & hydrology (circle one & describe fully in Notes) : (Severe) Moderate Slight Absent	

Primary Field Indicators Observed

Primary Indicators	NO	YES
1. Hydrologic feature exists solely due to a process discharge	✓	WWC
2. Defined bed and bank absent, vegetation composed of upland and FACU species	✓	WWC
3. Watercourse dry anytime during February through April 15th, under normal precipitation / groundwater conditions	✓	WWC
4. Daily flow and precipitation records showing feature only flows in direct response to rainfall	✓	WWC
5. Presence of multiple populations of obligate lotic organisms with ≥ 2 month aquatic phase	✓	Stream
6. Presence of fish (except *Gambusia*)	✓	Stream
7. Presence of naturally occurring ground water table connection	✓	Stream
8. Flowing water in channel and 7 days since last precip >0.1" in local watershed	✓	Stream
9. Evidence watercourse has been used as a supply of drinking water	✓	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-WPC Guidance For Making Hydrologic Determinations, Version 1.5*

Overall Hydrologic Determination = WWC

Secondary Indicator Score (if applicable) = 17

Justification / Notes :

Feature was scored at the most developed area which is likely part of the Caney Fork during the course of the day since the Caney Fork River levels fluctuate about 6 ft over a 24 hr period due to week-nightly generation from dam. Area up gradient of concrete lined channel much less developed and would score much lower.

1. demarcation between riparian corridor and bank less obvious, some parts of banks lacking clear demarcation between bed and bank due to scour at the foot of the grade controls

Secondary Field Indicator Evaluation

A. Geomorphology (Subtotal = 6)		**Absent**	**Weak**	**Moderate**	**Strong**
1. Continuous bed and bank	2	0	1	2	3
2. Sinuous channel	1	0	1	2	3
3. In-channel structure: riffle-pool sequences	0	0	1	2	3
4. Sorting of soil textures or other substrate	0.5	0	1	2	3
5. Active/relic floodplain	0	0	0.5	1	1.5
6. Depositional bars or benches	0	0	1	2	3
7. Braided channel	0	0	1	2	3
8. Recent alluvial deposits	0	0	0.5	1	1.5
9. Natural levees	0	0	1	2	3
10. Headcuts	0	0	1	2	3
11. Grade controls	1.5	0	0.5	1	1.5
12. Natural valley or drainageway	1	0	0.5	1	1.5
13. At least second order channel on existing USGS or NRCS map	0	No = 0		Yes = 3	

B. Hydrology (Subtotal = 5)		**Absent**	**Weak**	**Moderate**	**Strong**
14. Subsurface flow/discharge into channel	0	0	1	2	3
15. Water in channel and >48 hours since sig. rain	1	0	1	2	3
16. Leaf litter in channel (January – September)	0.5	1.5	1	0.5	0
17. Sediment on plants or on debris	1	0	0.5	1	1.5
18. Organic debris lines or piles (wrack lines)	1	0	0.5	1	1.5
19. Hydric soils in channel bed or sides of channel	1.5	No = 0		Yes = 1.5	

C. Biology (Subtotal = 6)		**Absent**	**Weak**	**Moderate**	**Strong**
20. Fibrous roots in channel bed [1]	3	3	2	1	0
21. Rooted plants in the thalweg [1]	3	3	2	1	0
22. Crayfish in stream (exclude in floodplain)	0	0	1	2	3
23. Bivalves/mussels	0	0	1	2	3
24. Amphibians	0	0	0.5	1	1.5
25. Macrobenthos (record type & abundance)	0	0	1	2	3
26. Filamentous algae; periphyton	0	0	1	2	3
27. Iron oxidizing bacteria/fungus	0	0	0.5	1	1.5
28.Wetland plants in channel bed [2]	0	0	0.5	1	1.5

[1] Focus is on the presence of terrestrial plants.

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

Total Points = 17

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

Notes :

Ecology Field Data Sheet: **Water Resources**

Project: Smith/Putnam	I-40 Truck Parking and Bridge Replacement over the Caney Fork River	PIN:131552.01			
Biologist:	MLB/EWD	**Affiliation:**	-TDOT	**Date:**	6/18/24

1-Station: from plans										
2-Map label and name	WWC-2									
3-Latitude/Longitude	36.141784, -85.810451									
4-Feature description:										
-channel identification	perennial stream ☐	intermittent stream ☐	ephemeral stream ☐	wwc ☑						
-HD score (if applicable)	18									
-OHWM indicators	bed & banks ☑	deposition ☐	presence of litter debris ☐	scour ☐	veg absent, bent, matted ☑					
	change in plant community ☑	destruction of terrestrial veg ☑	multiple observe flow events ☐	sediment sorting ☐	water staining ☐					
	change in soil character ☐	leaf litter disturb or absent ☐	natural line impressed on bank ☐	shelving ☐	wracking ☐					
-channel bottom width	2.5 ft	-top of bank width	8 ft							
-width and max depth at ordinary high water mark	W: 2.5 ft	D: 0.3 ft								
-width at bankfull	2.5 ft									
-bank height	LDB - 5.5 ft	RDB - 5.5 ft								
-riffle/pool complex or other specialized habitat present?	no									
-dominant riparian species: ----------(LDB /RDB)----------	LDB: boxelder, red maple, sycamore									
	RDB: paw paw, sycamore, black walnut, red maple									
-particle size distribution %	Silt/Sand: 100	Gravel: 0	Cobble: 0	Boulder: 0	Bedrock: 0					
5-photo numbers	5-7									
6-HUC -8 Code & Name	05130108 Caney Fork River									
7-Assessed	yes ☐	no ☑								
8-ETW	yes ☐	no ☑								
9-303 (d) List	yes ☐	siltation ☐	habitat: ☐	other: ☐						
	no ☑									

10-Notes

last ~20 ft is much more developed and even had some flow but this area is likely part of the Caney Fork during the course of the day since the Caney Fork River levels fluctuate about 6 ft over a 24 hr period due to week-nightly generation from dam. Water was likely flowing back into Caney Fork after overnight generation brought water levels high enough to flow into this channel.

Culvert size and Condition

n/a

Hydrologic Determination Field Data Sheet

Tennessee Division of Water Pollution Control, Version 1.5

Named Waterbody:	Date/Time: 6/18/24
Assessors/Affiliation: MLB/EWD -TDOT	Project ID : PIN:131552.01
Site Name/Description: I-40 Truck Parking and Bridge Replacement over the Caney Fork River	
Site Location: WWC-2	
HUC (12 digit): 051301080905 Center Hill Lake	Lat/Long: 36.141784, -85.810451
Previous Rainfall (7-days) : 0.05 in	
Precipitation this Season vs. Normal : abnormally wet (elevated) average low abnormally dry unknown Source of recent & seasonal precip data : NOAA past weather/AgACIS last 7 days	
Watershed Size : <2 sq mi	County: Smith/Putnam
Soil Type(s) / Geology : Arrington silt loam, 0 to 2 percent slopes, occasionally flooded Source: NRCS	
Surrounding Land Use : Forested	
Degree of historical alteration to natural channel morphology & hydrology (circle one & describe fully in Notes) : Severe (Moderate) Slight Absent	

Primary Field Indicators Observed

Primary Indicators	NO	YES
1. Hydrologic feature exists solely due to a process discharge	✓	WWC
2. Defined bed and bank absent, vegetation composed of upland and FACU species	✓	WWC
3. Watercourse dry anytime during February through April 15th, under normal precipitation / groundwater conditions	✓	WWC
4. Daily flow and precipitation records showing feature only flows in direct response to rainfall	✓	WWC
5. Presence of multiple populations of obligate lotic organisms with ≥ 2 month aquatic phase	✓	Stream
6. Presence of fish (except *Gambusia*)	✓	Stream
7. Presence of naturally occurring ground water table connection	✓	Stream
8. Flowing water in channel and 7 days since last precip >0.1" in local watershed	✓	Stream
9. Evidence watercourse has been used as a supply of drinking water	✓	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-WPC Guidance For Making Hydrologic Determinations, Version 1.5*

Overall Hydrologic Determination = WWC

Secondary Indicator Score (if applicable) = 18

Justification / Notes :

Form completed in last ~20 ft is much more developed and even had some flow but this area is likely part of the Caney Fork during the course of the day since the Caney Fork River levels fluctuate about 6 ft over a 24 hr period due to week-nightly generation from dam. Water was likely flowing back into Caney Fork after overnight generation brought water levels high enough to flow into this channel.

Up gradient portion much less developed (see photos).

Secondary Field Indicator Evaluation

A. Geomorphology (Subtotal = 5.5)		**Absent**	**Weak**	**Moderate**	**Strong**
1. Continuous bed and bank	2.5	0	1	2	3
2. Sinuous channel	0	0	1	2	3
3. In-channel structure: riffle-pool sequences	0	0	1	2	3
4. Sorting of soil textures or other substrate	0	0	1	2	3
5. Active/relic floodplain	0	0	0.5	1	1.5
6. Depositional bars or benches	0	0	1	2	3
7. Braided channel	0	0	1	2	3
8. Recent alluvial deposits	0.5	0	0.5	1	1.5
9. Natural levees	0	0	1	2	3
10. Headcuts	1.5	0	1	2	3
11. Grade controls	0	0	0.5	1	1.5
12. Natural valley or drainageway	1	0	0.5	1	1.5
13. At least second order channel on existing USGS or NRCS map	0	No = 0		Yes = 3	

B. Hydrology (Subtotal = 6.5)		**Absent**	**Weak**	**Moderate**	**Strong**
14. Subsurface flow/discharge into channel	1	0	1	2	3
15. Water in channel and >48 hours since sig. rain	2	0	1	2	3
16. Leaf litter in channel (January – September)	1	1.5	1	0.5	0
17. Sediment on plants or on debris	1	0	0.5	1	1.5
18. Organic debris lines or piles (wrack lines)	0	0	0.5	1	1.5
19. Hydric soils in channel bed or sides of channel	1.5	No = 0		Yes = 1.5	

C. Biology (Subtotal = 6)		**Absent**	**Weak**	**Moderate**	**Strong**
20. Fibrous roots in channel bed [1]	2	3	2	1	0
21. Rooted plants in the thalweg [1]	2	3	2	1	0
22. Crayfish in stream (exclude in floodplain)	0	0	1	2	3
23. Bivalves/mussels	0	0	1	2	3
24. Amphibians	0	0	0.5	1	1.5
25. Macrobenthos (record type & abundance)	0	0	1	2	3
26. Filamentous algae; periphyton	0	0	1	2	3
27. Iron oxidizing bacteria/fungus	1.5	0	0.5	1	1.5
28.Wetland plants in channel bed [2]	0.5	0	0.5	1	1.5

[1] Focus is on the presence of terrestrial plants.

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

Total Points = 18

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

Notes :

Ecology Field Data Sheet: **Water Resources**

Project: Smith/Putnam	I-40 Truck Parking and Bridge Replacement over the Caney Fork River			PIN:131552.01	
Biologist:	TNS/MLB/EWD	**Affiliation:**	-TDOT	**Date:**	8/29/24

1-Station: from plans									
2-Map label and name	STR-1 (Caney Fork)								
3-Latitude/Longitude	36.141983, -85.810155								
4-Feature description:									
-channel identification	perennial stream	✓	intermittent stream		ephemeral stream		wwc		
-HD score (if applicable)									
-OHWM indicators	bed & banks	✓	deposition	✓	presence of litter debris	✓	scour	✓	veg absent, bent, matted ✓
	change in plant community	✓	destruction of terrestrial veg		multiple observe flow events	✓	sediment sorting	✓	water staining
	change in soil character	✓	leaf litter disturb or absent	✓	natural line impressed on bank		shelving	✓	wracking
-channel bottom width	228 ft		-top of bank width		260 ft				
-width and max depth at ordinary high water mark	W: 234 ft		D: 11 ft below TOB						
-width at bankfull	246 ft								
-bank height	LDB - 12 ft		RDB - 12 ft						
-riffle/pool complex or other specialized habitat present?	yes								
-dominant riparian species: ----------(LDB /RDB)----------	LDB: paw paw, sycamore								
	RDB: box elder								
-particle size distribution %	Silt/Sand: 40		Gravel: 40		Cobble: 20		Boulder: 0		Bedrock: 0
5-photo numbers	8-12								
6-HUC -8 Code & Name	05130108 Caney Fork River								
7-Assessed	yes	✓	no						
8-ETW	yes	✓	no						
9-303 (d) List	yes	✓	siltation		habitat:		other:		
	no								

10-Notes

ETW due to a number of federal and state listed mussels

303d due to DO, flow regime, and temperature

swallows on all bridges over Caney Fork within project area

Culvert size and Condition

n/a

Ecology Field Data Sheet: **Water Resources**

Project: Smith/Putnam	I-40 Truck Parking and Bridge Replacement over the Caney Fork River			PIN:131552.01	
Biologist:	TNS/EWD	**Affiliation:**	-TDOT	**Date:**	8/26/2024

1-Station: from plans									
2-Map label and name	STR-2 (Indian Creek)								
3-Latitude/Longitude	36.138627, -85.801272								
4-Feature description:									
-channel identification	perennial stream	✓	intermittent stream		ephemeral stream		wwc		
-HD score (if applicable)									
-OHWM indicators	bed & banks	✓	deposition	✓	presence of litter debris	✓	scour	✓	veg absent, bent, matted ✓
	change in plant community	✓	destruction of terrestrial veg		multiple observe flow events	✓	sediment sorting	✓	water staining
	change in soil character	✓	leaf litter disturb or absent	✓	natural line impressed on bank		shelving		wracking
-channel bottom width	12 ft		-top of bank width		65 ft				
-width and max depth at ordinary high water mark	W: 23 ft		D: 4.5 ft						
-width at bankfull	57 ft								
-bank height	LDB - 20 ft		RDB - 10 ft						
-riffle/pool complex or other specialized habitat present?	yes								
-dominant riparian species: ----------(LDB /RDB)----------	LDB: sycamore, box elder, silver maple								
	RDB: silver maple, sycamore								
-particle size distribution %	Silt/Sand: 40		Gravel: 45		Cobble: 15		Boulder: 0		Bedrock: 0
5-photo numbers	13-14								
6-HUC -8 Code & Name	05130108 Caney Fork River								
7-Assessed	yes	✓	no						
8-ETW	yes		no	✓					
9-303 (d) List	yes		siltation		habitat:		other:		
	no	✓							
10-Notes	fish observed								
Culvert size and Condition	n/a								

Ecology Field Data Sheet: **Other Resource Features**

(Caves/Rock Houses; Potential Sinkholes; Specialized Habitats; Other)

Project: Smith/Putnam Co. I-40 Truck Parking and Bridge Replacement over the Caney Fork River **PIN #:** 131552.01

Date of survey: 8/26/24 **Biologist(s):** EWD/MLB **Affiliation:** TDOT

1-Station: from plans		
2-Map label	SNK-1	
3-Lat/Long	36.140792, -85.801194	
4-Potential impact size	1 sq ft	
5-Feature name	potiential sinkhole	
6-Feature description:		
what is the feature	potential sinkhole on top of rock bluff along I-40 east of Caney Fork River	
portion affected		
connection to other features		
photo number(s)	23	
other information		
7- HUC code & name if applicable (12-digit)	051301080904 Indian Creek	
8-Notes		

Ecology Field Data Sheet: **Water Resources**

Project: Smith/Putnam	I-40 Truck Parking and Bridge Replacement over the Caney Fork River			PIN:131552.01	
Biologist:	TNS/EWD	**Affiliation:**	-TDOT	**Date:**	8/27/2024

1-Station: from plans										
2-Map label and name	WWC-3									
3-Latitude/Longitude	36.139532, -85.800223									
4-Feature description:										
-channel identification	perennial stream	☐	intermittent stream	☐	ephemeral stream	☐	wwc	☑		
-HD score (if applicable)	12.5									
-OHWM indicators	bed & banks	☑	deposition	☐	presence of litter debris	☐	scour	☑	veg absent, bent, matted	☑
	change in plant community	☑	destruction of terrestrial veg	☐	multiple observe flow events	☐	sediment sorting	☐	water staining	☐
	change in soil character	☑	leaf litter disturb or absent	☐	natural line impressed on bank	☐	shelving	☐	wracking	☐
-channel bottom width	2.1 ft		-top of bank width		2.9 ft					
-width and max depth at ordinary high water mark	W: 2.9 ft		D: 0.4 ft							
-width at bankfull	2.9 ft									
-bank height	LDB - 2 ft		RDB - 1.5 ft							
-riffle/pool complex or other specialized habitat present?	no									
-dominant riparian species: ----------(LDB /RDB)----------	LDB: elm, sycamore									
	RDB: elm, white oak									
-particle size distribution %	Silt/Sand: 80		Gravel: 0		Cobble: 0		Boulder: 20*		Bedrock: 0	
5-photo numbers	15-16									
6-HUC -8 Code & Name	05130108 Caney Fork River									
7-Assessed	yes	☐	no	☑						
8-ETW	yes	☐	no	☑						
9-303 (d) List	yes	☐	siltation	☐	habitat:	☐	other:	☐		
	no	☑								
10-Notes	*boulder is rip rap placed to prevent erosion near confluence with indian creek									
Culvert size and Condition	n/a									

Hydrologic Determination Field Data Sheet

Tennessee Division of Water Pollution Control, Version 1.5

Named Waterbody:	Date/Time: 8/27/2024
Assessors/Affiliation: TNS/EWD -TDOT	Project ID : PIN:131552.01
Site Name/Description: I-40 Truck Parking and Bridge Replacement over the Caney Fork River	
Site Location: WWC-3	
HUC (12 digit): 051301080904 Indian Creek	Lat/Long: 36.139532, -85.800223
Previous Rainfall (7-days) : 0 inches	
Precipitation this Season vs. Normal : abnormally wet elevated **average** low abnormally dry unknown Source of recent & seasonal precip data : NOAA past weather/AgACIS last 7 days	
Watershed Size : <2 sq mi	County: Smith/Putnam
Soil Type(s) / Geology : Huntington silt loam, phosphatic	Source: NRCS
Surrounding Land Use : Forested	
Degree of historical alteration to natural channel morphology & hydrology (circle one & describe fully in Notes) : Severe Moderate **Slight** Absent	

Primary Field Indicators Observed

Primary Indicators	NO	YES
1. Hydrologic feature exists solely due to a process discharge	✓	WWC
2. Defined bed and bank absent, vegetation composed of upland and FACU species	✓	WWC
3. Watercourse dry anytime during February through April 15th, under normal precipitation / groundwater conditions	✓	WWC
4. Daily flow and precipitation records showing feature only flows in direct response to rainfall	✓	WWC
5. Presence of multiple populations of obligate lotic organisms with ≥ 2 month aquatic phase	✓	Stream
6. Presence of fish (except *Gambusia*)	✓	Stream
7. Presence of naturally occurring ground water table connection	✓	Stream
8. Flowing water in channel and 7 days since last precip >0.1" in local watershed	✓	Stream
9. Evidence watercourse has been used as a supply of drinking water	✓	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-WPC Guidance For Making Hydrologic Determinations, Version 1.5*

Overall Hydrologic Determination = WWC

Secondary Indicator Score (if applicable) = 12.5

Justification / Notes :

Secondary Field Indicator Evaluation

A. Geomorphology (Subtotal = 6)		**Absent**	**Weak**	**Moderate**	**Strong**
1. Continuous bed and bank	2	0	1	2	3
2. Sinuous channel	0	0	1	2	3
3. In-channel structure: riffle-pool sequences	1	0	1	2	3
4. Sorting of soil textures or other substrate	0.5	0	1	2	3
5. Active/relic floodplain	0	0	0.5	1	1.5
6. Depositional bars or benches	0	0	1	2	3
7. Braided channel	0	0	1	2	3
8. Recent alluvial deposits	0	0	0.5	1	1.5
9. Natural levees	0	0	1	2	3
10. Headcuts	0	0	1	2	3
11. Grade controls	1.5	0	0.5	1	1.5
12. Natural valley or drainageway	1	0	0.5	1	1.5
13. At least second order channel on existing USGS or NRCS map	0	No = 0		Yes = 3	

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

C. Biology (Subtotal = 5)		**Absent**	**Weak**	**Moderate**	**Strong**
20. Fibrous roots in channel bed [1]	2.5	3	2	1	0
21. Rooted plants in the thalweg [1]	2.5	3	2	1	0
22. Crayfish in stream (exclude in floodplain)	0	0	1	2	3
23. Bivalves/mussels	0	0	1	2	3
24. Amphibians	0	0	0.5	1	1.5
25. Macrobenthos (record type & abundance)	0	0	1	2	3
26. Filamentous algae; periphyton	0	0	1	2	3
27. Iron oxidizing bacteria/fungus	0	0	0.5	1	1.5
28.Wetland plants in channel bed [2]	0	0	0.5	1	1.5

[1] Focus is on the presence of terrestrial plants.

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

Total Points = 12.5

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

Notes :

Ecology Field Data Sheet: **Water Resources**

Project: Smith/Putnam	I-40 Truck Parking and Bridge Replacement over the Caney Fork River	PIN:131552.01			
Biologist:	TNS/EWD	**Affiliation:**	-TDOT	**Date:**	8/26/2024

1-Station: from plans											
2-Map label and name	WWC-4										
3-Latitude/Longitude	36.141392, -85.799378										
4-Feature description:											
-channel identification	perennial stream		intermittent stream		ephemeral stream		wwc	✓			
-HD score (if applicable)	14.5										
-OHWM indicators	bed & banks	✓	deposition		presence of litter debris	✓	scour		veg absent, bent, matted	✓	
	change in plant community	✓	destruction of terrestrial veg		multiple observe flow events		sediment sorting		water staining		
	change in soil character	✓	leaf litter disturb or absent		natural line impressed on bank		shelving		wracking		
-channel bottom width	6.7 ft		-top of bank width		8 ft						
-width and max depth at ordinary high water mark	W: 6.7 ft		D: 0.6 ft								
-width at bankfull	7.3 ft										
-bank height	LDB - 0.6		RDB - 2.5 ft								
-riffle/pool complex or other specialized habitat present?	no										
-dominant riparian species: ----------(LDB /RDB)----------	LDB: sugar maple, sycamore, elm										
	RDB: sugar maple, shagbark hickory										
-particle size distribution %	Silt/Sand: 40		Gravel: 5		Cobble: 15		Boulder: 15		Bedrock: 25		
5-photo numbers	17-22										
6-HUC -8 Code & Name	05130108 Caney Fork River										
7-Assessed	yes			no	✓						
8-ETW	yes			no	✓						
9-303 (d) List	yes		siltation		habitat:		other:				
	no	✓									

10-Notes	feature assessed north of I-40, down gradient side much more incised, but still has leaf litter and some plants in the thalweg
Culvert size and Condition	38 in pipe previously slip lined about 3 ft perching at outlet

Hydrologic Determination Field Data Sheet

Tennessee Division of Water Pollution Control, Version 1.5

Named Waterbody:	Date/Time: 8/26/2024
Assessors/Affiliation: TNS/EWD -TDOT	Project ID : PIN:131552.01
Site Name/Description: I-40 Truck Parking and Bridge Replacement over the Caney Fork River	
Site Location: WWC-4	
HUC (12 digit): 051301080904 Indian Creek	Lat/Long: 36.141392, -85.799378
Previous Rainfall (7-days) : 0.01 inches	
Precipitation this Season vs. Normal : abnormally wet elevated **average** low abnormally dry unknown Source of recent & seasonal precip data : NOAA past weather/AgACIS last 7 days	
Watershed Size : <2 sq miles	County: Smith/Putnam
Soil Type(s) / Geology : Rock land, limestone	Source: NRCS
Surrounding Land Use : Forested	
Degree of historical alteration to natural channel morphology & hydrology (circle one & describe fully in Notes) : Severe Moderate **Slight** Absent	

Primary Field Indicators Observed

Primary Indicators	NO	YES
1. Hydrologic feature exists solely due to a process discharge	✓	WWC
2. Defined bed and bank absent, vegetation composed of upland and FACU species	✓	WWC
3. Watercourse dry anytime during February through April 15th, under normal precipitation / groundwater conditions	✓	WWC
4. Daily flow and precipitation records showing feature only flows in direct response to rainfall	✓	WWC
5. Presence of multiple populations of obligate lotic organisms with ≥ 2 month aquatic phase	✓	Stream
6. Presence of fish (except *Gambusia*)	✓	Stream
7. Presence of naturally occurring ground water table connection	✓	Stream
8. Flowing water in channel and 7 days since last precip >0.1" in local watershed	✓	Stream
9. Evidence watercourse has been used as a supply of drinking water	✓	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-WPC Guidance For Making Hydrologic Determinations, Version 1.5*

Overall Hydrologic Determination = WWC

Secondary Indicator Score (if applicable) = 14.5

Justification / Notes :

feature assessed north of I-40, down gradient side much more incised, but still has leaf litter and some plants in the thalweg

Secondary Field Indicator Evaluation

A. Geomorphology (Subtotal = 8.5)		**Absent**	**Weak**	**Moderate**	**Strong**
1. Continuous bed and bank	2	0	1	2	3
2. Sinuous channel	0	0	1	2	3
3. In-channel structure: riffle-pool sequences	1	0	1	2	3
4. Sorting of soil textures or other substrate	1.5	0	1	2	3
5. Active/relic floodplain	0	0	0.5	1	1.5
6. Depositional bars or benches	0	0	1	2	3
7. Braided channel	0	0	1	2	3
8. Recent alluvial deposits	1	0	0.5	1	1.5
9. Natural levees	0	0	1	2	3
10. Headcuts	0	0	1	2	3
11. Grade controls	1.5	0	0.5	1	1.5
12. Natural valley or drainageway	1.5	0	0.5	1	1.5
13. At least second order channel on existing USGS or NRCS map	0	No = 0		Yes = 3	

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

C. Biology (Subtotal = 5)		**Absent**	**Weak**	**Moderate**	**Strong**
20. Fibrous roots in channel bed [1]	2.5	3	2	1	0
21. Rooted plants in the thalweg [1]	2.5	3	2	1	0
22. Crayfish in stream (exclude in floodplain)	0	0	1	2	3
23. Bivalves/mussels	0	0	1	2	3
24. Amphibians	0	0	0.5	1	1.5
25. Macrobenthos (record type & abundance)	0	0	1	2	3
26. Filamentous algae; periphyton	0	0	1	2	3
27. Iron oxidizing bacteria/fungus	0	0	0.5	1	1.5
28.Wetland plants in channel bed [2]	0	0	0.5	1	1.5

[1] Focus is on the presence of terrestrial plants.

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

Total Points = 14.5

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

Notes :

Ecology Field Data Sheet: **Other Resource Features**

(Caves/Rock Houses; Potential Sinkholes; Specialized Habitats; Other)

Project: Smith/Putnam Co. I-40 Truck Parking and Bridge Replacement over the Caney Fork River **PIN #:** 131552.01

Date of survey: 8/27/24 **Biologist(s):** EWD/TNS **Affiliation:** TDOT

1-Station: from plans		
2-Map label	CAV-1	
3-Lat/Long	36.140792, -85.801194	
4-Potential impact size	6 sq ft	
5-Feature name	potiential cave	
6-Feature description:		
what is the feature	potential sinkhole on top of rock bluff along I-40 east of Caney Fork River	
portion affected		
connection to other features		
photo number(s)	24	
other information		
7- HUC code & name if applicable (12-digit)	051301080904 Indian Creek	
8-Notes		

Photo 1. WWC-1 looking up gradient near beginning of feature and before concrete lined channel starts

Photo 2. WWC-1 looking down gradient within concrete lined channel portion of feature

Photo 3. WWC-1 looking up gradient at scoured area shortly after concrete lined portion ends

Photo 4. WWC-1 looking down gradient where it meets the Caney Fork River (STR-1)

Photo 5. WWC-2 looking up gradient at beginning of feature

Photo 6. WWC-2 looking down gradient in the middle of the feature

Photo 7. WWC-2 looking downstream near confluence with Caney Fork (STR-1)

Photo 8. STR-1 (Caney Fork River) looking upstream at I-40 bridge

Photo 9. STR-1 (Caney Fork River) looking downstream at I-40 bridge from near confluence with STR-2 (Indian Creek)

Photo 10. Swallows' nests on EB I-40 bridge over STR-1 (Caney Fork River) at LM 17.16

Photo 11. Swallows' nests on WB I-40 bridge over STR-1 (Caney Fork River) at LM 16.20

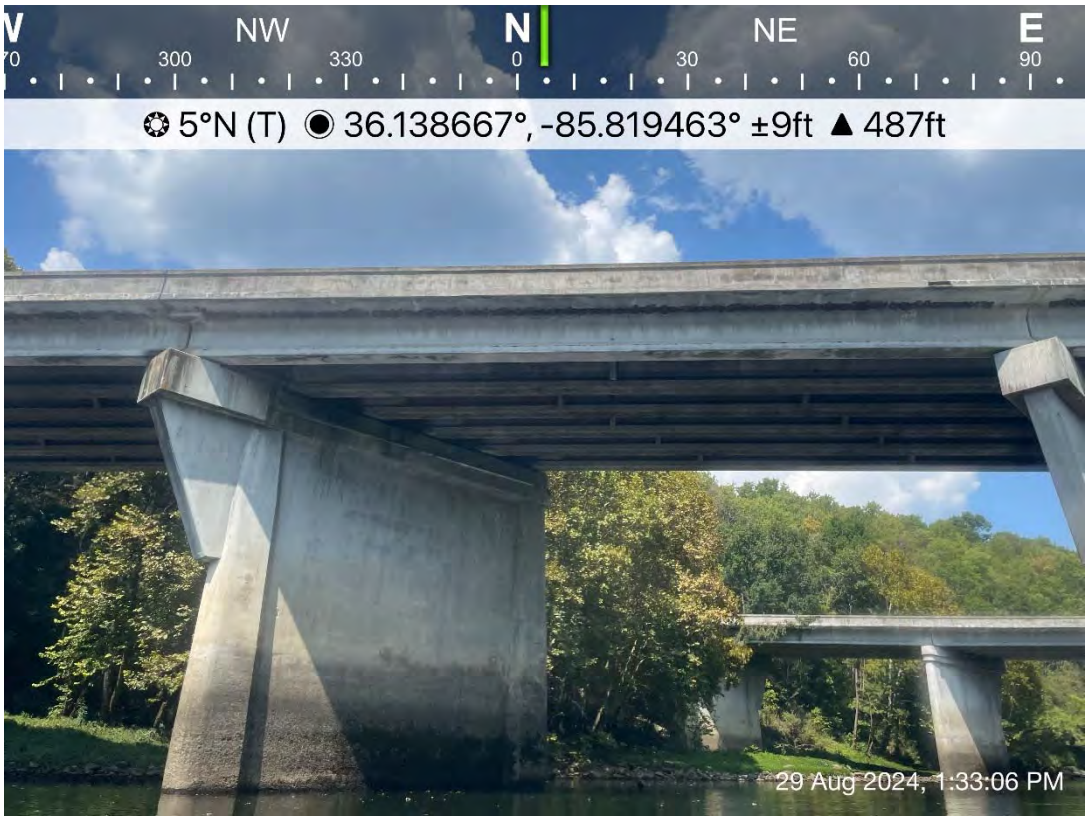


Photo 12. Swallows' nests on EB I-40 bridge over STR-1 (Caney Fork River) at LM 16.20

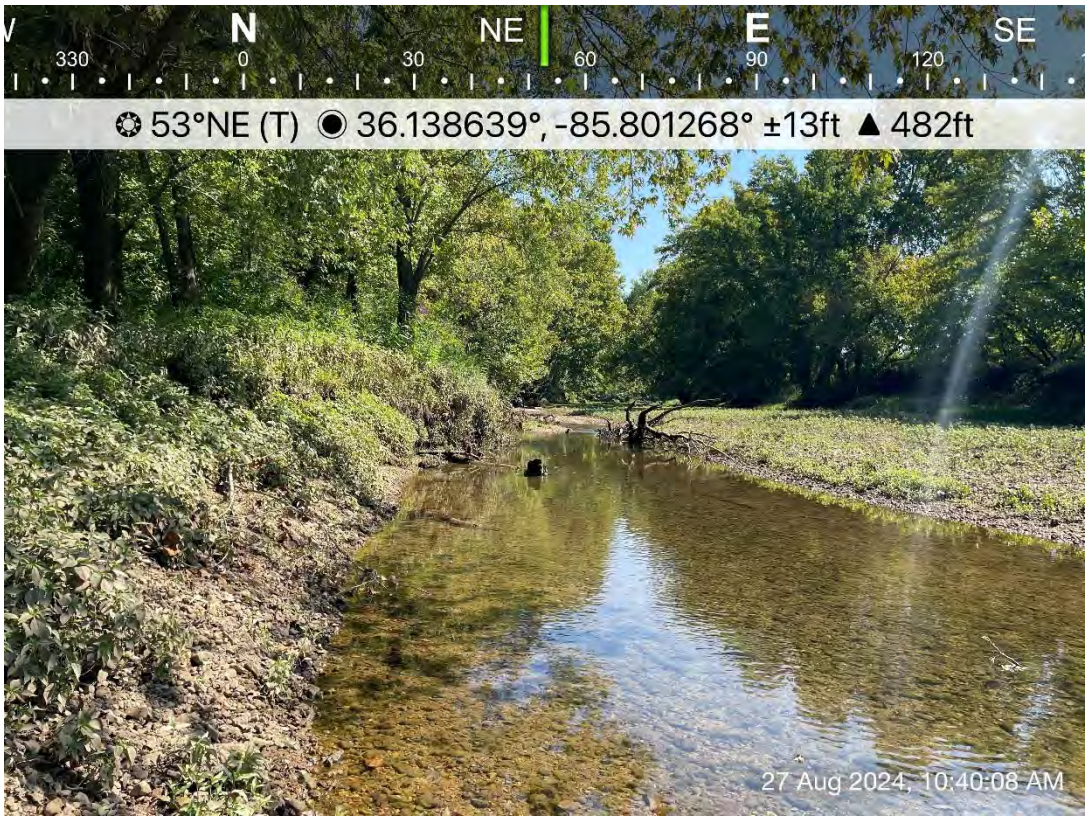


Photo 13. STR-2 (Indian Creek) looking upstream

Photo 14. STR-2 (Indian Creek) looking downstream

Photo 15. WWC-3 looking up gradient

Photo 16. WWC-3 looking down gradient

Photo 17. WWC-4 looking up gradient from culvert inlet north of I-40

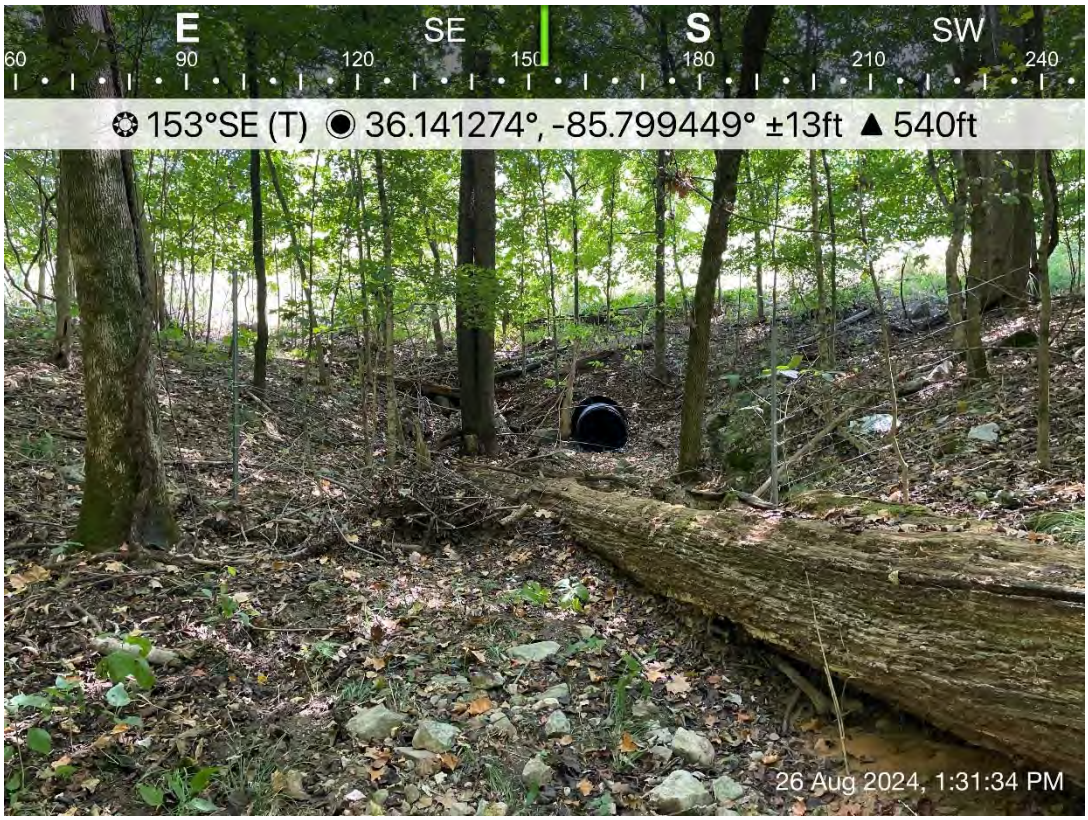


Photo 18. WWC-4 looking down gradient at culvert inlet north of I-40

Photo 19. WWC-4 culvert outlet south of I-40

Photo 20. WWC-4 looking down gradient from culvert outlet south of I-40

Photo 21. WWC-4 looking up gradient south of I-40 near STR-2 (Indian Creek)

Photo 22. WWC-4 looking down gradient south of I-40 near STR-2 (Indian Creek)

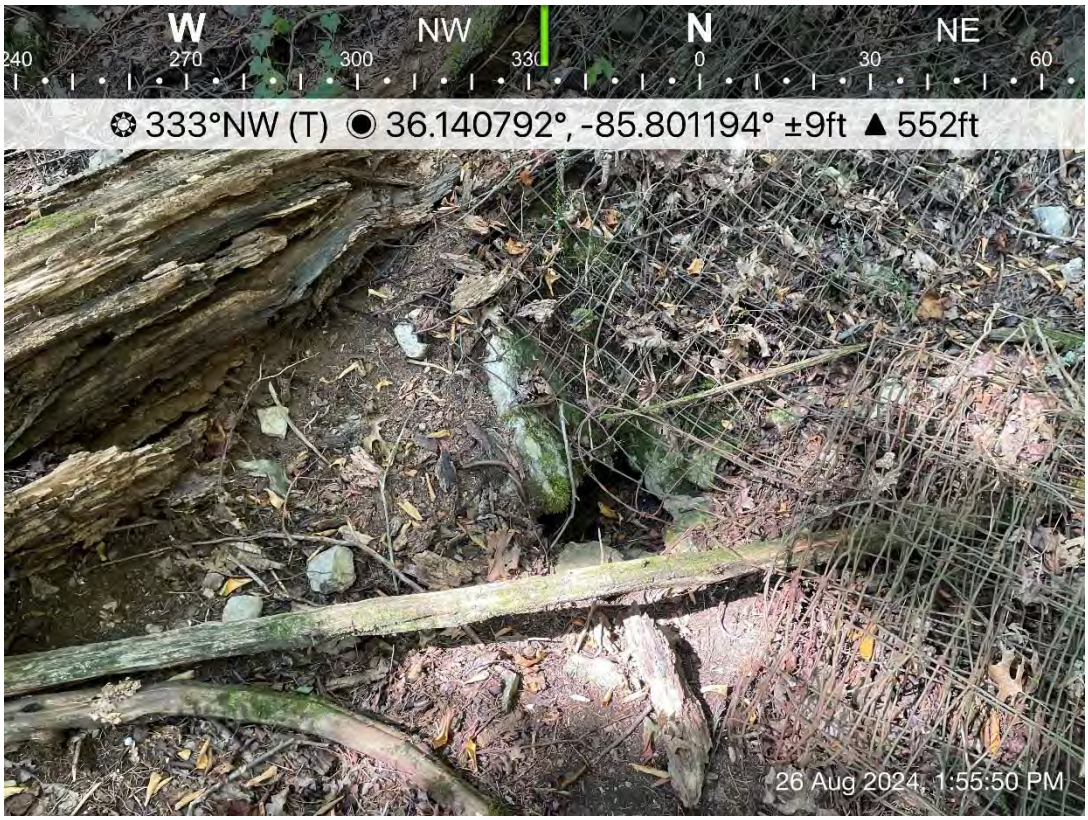


Photo 23. SNK-1 potential sinkhole

Photo 24. CAV-1 potential cave

Steve A. Walker

From: Griffith, John <john_griffith@fws.gov>
Sent: Thursday, June 6, 2024 3:13 PM
To: Steve A. Walker
Cc: Sikula, Nicole R
Subject: Re: [EXTERNAL] Steve Walker added you to an IPaC project

Steve,

Thank you for your correspondence requesting review of the Interstate (I-) 40 Truck Parking and Bridge Replacement over the Caney Fork River in Smith and Putnam counties, Tennessee. The scope of work includes addition of a 125-bay truck parking expansion adjacent to the existing Welcome Center, replacing twin I-40 bridges over the Caney Fork River, and updating ramp acceleration and deceleration length at this location to current standards. The project would utilize two conceptual typical sections for I-40: 4-lane freeway with depressed median or a 6-lane freeway with median barrier. Bridge replacements would involve demolition and removal of the existing structures and a retaining wall. The project length is approximately 0.86 mile. You are requesting a list of federally threatened or endangered species that may be present in the project area.

Our database indicates that several federally listed mussels historically occurred in this reach of the Caney Fork River. However, since the Center Hill Dam became operational in 1951, altered water temperatures have affected mussel survival and reproduction for miles downstream. Multiple mussel surveys conducted post-construction of the dam have confirmed that the cold water temperatures have resulted in extirpation of federally listed mussels from the tailwater reach below Center Hill Dam. We are not aware of any other federally listed or proposed species or critical habitat that would be impacted by the project. 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.

Implementation of standard construction BMPs would be necessary to ensure instream work is separated from flowing waters and that project-related pollutants are kept out of the Caney Fork River. If required for construction, the instream haul road(s) should be limited to no greater than one-third the stream width to avoid obstructing flow. Equipment staging and maintenance areas should be developed an adequate distance away to prevent the introduction of petroleum-based pollutants into the water. Fresh concrete and cement dust must be kept out of the water as they alter chemical properties and can be toxic to aquatic species.

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

John Griffith
Transportation Biologist
U.S. Fish and Wildlife Service
Tennessee Field Office
931-525-4995 (office)
931-261-3755 (cell)

Steve A. Walker

From: twrasurveymgmt@gmail.com
Sent: Friday, May 17, 2024 10:03 AM
To: Steve A. Walker; Casey Parker
Subject: [EXTERNAL] Environmental Review Request: 1715965200000

Steve Walker
Auto-generated email
DO NOT REPLY
Tennessee Wildlife Resource Agency has received your submission. If additional information is required, Biodiversity Division staff will reach out via the contact information you provided. Although we strive to respond to review requests as quickly as possible, a formal response may take up to 30 days.
Thank you,
TWRA Biodiversity

TENNESSEE WILDLIFE RESOURCES AGENCY

ELLINGTON AGRICULTURAL CENTER
5107 EDMONDSON PIKE
NASHVILLE, TENNESSEE 37211

June 14, 2024

Re: Smith County, I-40 Interchange-Welcome Center Improvement project along I-40 EB & WB in Smith & Putnam County, PIN 131552.01

Mr. Steve Walker,

The Tennessee Wildlife Resources Agency has reviewed the information that you provided regarding the subject project in Smith and Putnam 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 improvements to I-40 Interchange-Welcome Center along I-40 EB & WB in Smith & Putnam County and construction of 125 bay truck parking expansion adjacent to the existing Welcome Center, replace twin bridges at I-40 over the Caney Fork River, and update ramp acceleration and deceleration length at this location to current standards. The project will utilize two conceptual typical sections for I-40: 4 lane freeway with depressed median, and 6 lane freeway with median barrier for the proposed bridge replacements. The project length is approximately 0.86 miles. The bridges being replaced on I-40 cross the Caney Fork River and will require demolition and removal activities of the existing structures to include an existing retaining wall.

I have reviewed the information that you provided regarding the proposed project in Smith and Putnam County, Tennessee. In-stream work is expected, therefore to minimize impacts to the State Endangered species, Lake Sturgeon (*Acipenser fulvescens*), and State Threatened species, Blue sucker (*Cycleptus elongatus*), request preference given to prohibit instream construction during the combined species spawning season from April 1 through June 30 and not recommend fish sweeps due to the size and depth of the river.

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
Wildlife Biologist/Liaison to TDOT and the Federal Highway Administration
Cc: Andy Barlow TWRA and John Griffith US Fish and Wildlife

Steve A. Walker

From: Dillon Blankenship
Sent: Tuesday, September 24, 2024 1:32 PM
To: Steve A. Walker
Cc: Shawn Wurst; Rita M. Thompson
Subject: RE: Smith-Putnam Co; PIN 131552.01_ Design Build Rest Area Improvements (TDEC DNA coordination) review
Attachments: project_report_pin_13155201_smith_putnam_c_3502_3995.pdf; project_shapefile_pin_13155201_smith_putna_3502_3995.zip

Hi Steve,

The Division of Natural Areas - Natural Heritage Program has reviewed the above referenced project with respect to rare plant species.

PUTNAM COUNTY: The most sensitive portion of the study area with regard to rare plant species is the rocky bluff line on the Putnam County side of the Caney Fork River from which RTE species have been documented (approximately 36.1405785, -85.8017945). Insofar as the project work area ends at the base of the SSE facing bluff north of I-40, impacts to this area would be avoided and we would not anticipate impacts to state-listed plant species.

SMITH COUNTY: The project plans provided to us do not indicate any direct impacts to the vegetated area around (36.1407859, -85.8041982) or contiguous habitat along the river, so we do not anticipate any impacts to documented RTE plant species at that location or any other locations in the study area on the Smith County side of the Caney Fork River.

You may use this email as evidence of consultation with our office.

I have attached a copy of the ERT report (and shapefile) that would be generated for this project by our Environmental Review Tool, as a reference.

Regards,

Dillon

TN Department of Environment & Conservation

Dillon Blankenship | Data Manager | Env. Review Coordinator
Division of Natural Areas | Natural Heritage Program
Davy Crockett Tower, 8th Floor
500 James Robertson Parkway
Nashville, TN 37243
p. 615-532-4799
dillon.blankenship@tn.gov

www.tn.gov/environment/natural-areas

We value your feedback! Please complete our customer satisfaction survey.

From: Steve A. Walker <Steve.A.Walker@tn.gov>
Sent: Tuesday, August 27, 2024 11:23 AM
To: Dillon Blankenship <Dillon.Blankenship@tn.gov>
Cc: Shawn Wurst <Shawn.Wurst@tn.gov>; Rita M. Thompson <Rita.M.Thompson@tn.gov>
Subject: Smith-Putnam Co; PIN 131552.01_ Design Build Rest Area Improvements (TDEC DNA coordination) review

Good Morning Dillion,

TDOT is proposing improvements to the Smith County Rest area along I-40 at the Smith-Putnam County line. The main purpose of this project is to add a truck parking area shown on the conceptual plan design attached to this correspondence. Also included in this project is the replacement of the I-40 bridges over the Caney Fork River right at the county line. During our review we have noted multiple plant species within 1 and 4 miles with two being within the proposed project ETSA (study area). Due to the observed records within the study boundary this project does not fit our MOA with TDEC (DNA). One record is shown very near the project limits. TDOT is assuming presence for these species but does not anticipate impacts to any shown based upon the proposed project limits. Please review the information attached (conceptional plans) and let me know if you all have any concerns for these plants or others that we may not know of anywhere else within this proposed project area? The area nearest the record for (*Eriogonum harperi*) Harper's umbrella-plant (E) will extend to the edge of existing pavement (east side of I-40 bridge) and possibly into the existing drainage ditch for work to tie in the new bridge structure into the existing alignment of I-40 (eastside of Caney Fork River). Let me know if you have any questions or need any additional information.

Thanks Steve

TN TDOT Department of Transportation

Steve A.Walker | TESS AD
Environmental Division/Ecology Section Region 3
James K. Polk Building, 9th Floor
505 Deaderick Street, Nashville, TN 37243-0334
p. 615-253-9908
steve.a.walker@tn.gov
tn.gov/tdot

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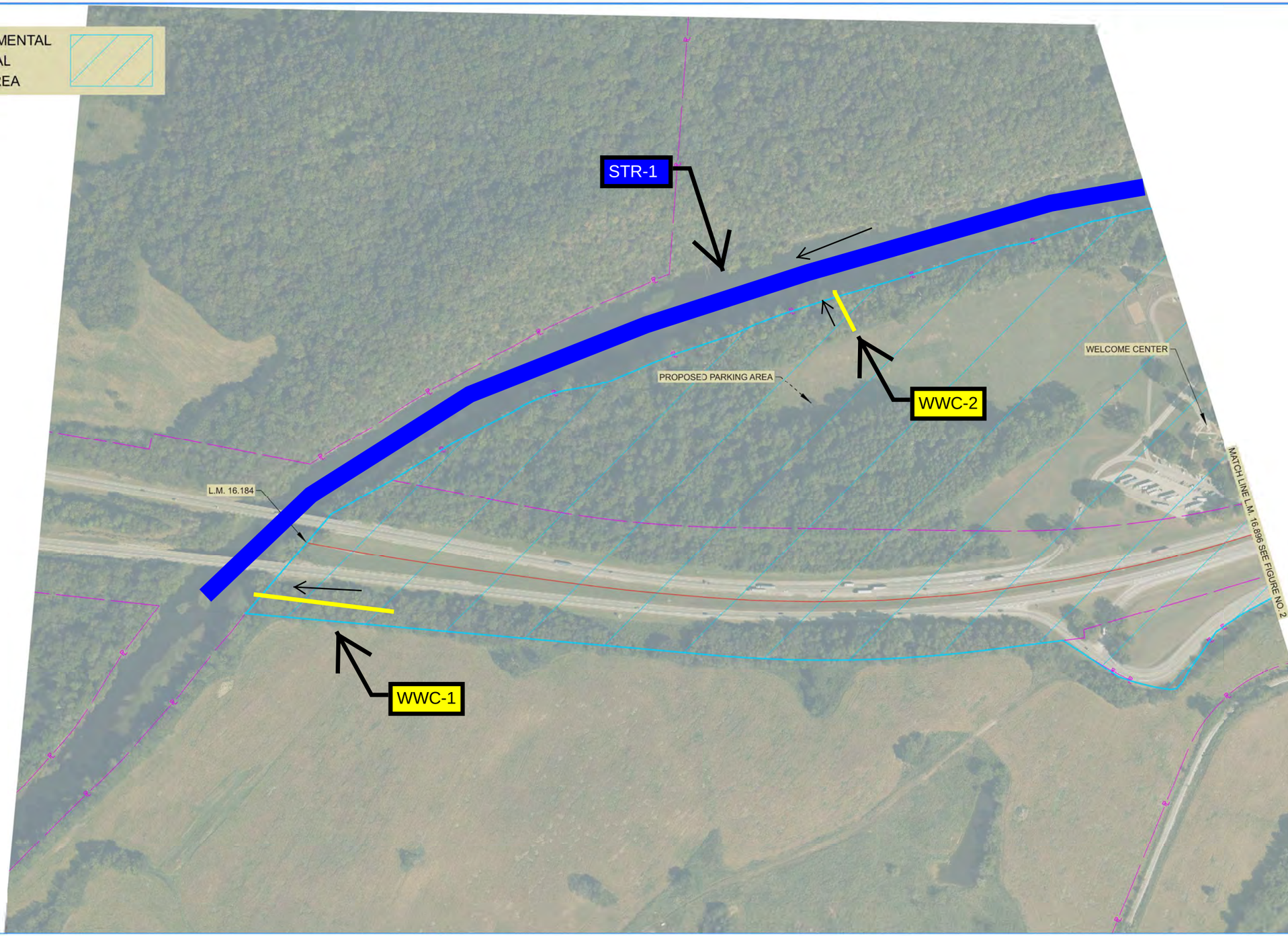
TYPE	YEAR	COUNTY	FIGURE NO.
ETSA	2023	SMITH-PUTNAM	1

ENVIRONMENTAL TECHNICAL STUDY AREA



0 400' 800' 1200'

N

ENVIRONMENTAL TECHNICAL STUDY AREA

INTERSTATE 40
LOG MILE 16.184 TO LOG MILE 16.896
SMITH-PUTNAM COUNTY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
S.T.I.D.

FIGURE 1
INTERSTATE 40
LOG MILE 16.184
TO
LOG MILE 16.896

12/14/2023 11:17:34 AM
G:\TDOT STID ON-CALL CONTRACT\131552.00 SMITH COUNTY I-40 TECHNICAL REPORT\131552.00 SMITH COUNTY I-40\CAD\REST AREA\131552.00-STID-RESTAREAETSA.DGN

TYPE	YEAR	COUNTY	FIGURE NO.
ETSA	2023	SMITH-PUTNAM	2

ENVIRONMENTAL
TECHNICAL
STUDY AREA

STR-1

SNK-1

WWC-4

WELCOME CENTER

COUNTY LINE
SMITH L.M. 17.113
PUTNAM L.M. 0.000

L.M. 0.267

MATCH LINE L.M. 16.896 SEE FIGURE NO. 1

CAV-1

STR-2

WWC-3

SMITH COUNTY

PUTNAM COUNTY

0 400' 800' 1200'

N

ENVIRONMENTAL TECHNICAL STUDY AREA

INTERSTATE 40
LOG MILE 16.896 TO LOG MILE 0.267
SMITH-PUTNAM COUNTY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
S.T.I.D.

FIGURE 2
INTERSTATE 40
LOG MILE 16.896
TO
LOG MILE 0.267

12/14/2023 11:20:39 AM
G:\TDOT STID ON-CALL CONTRACT\131552.00 SMITH COUNTY I-40 TECHNICAL REPORT\131552.00 SMITH COUNTY I-40\CAD\REST AREA\131552.00-STID-RESTAREAETSA.DGN