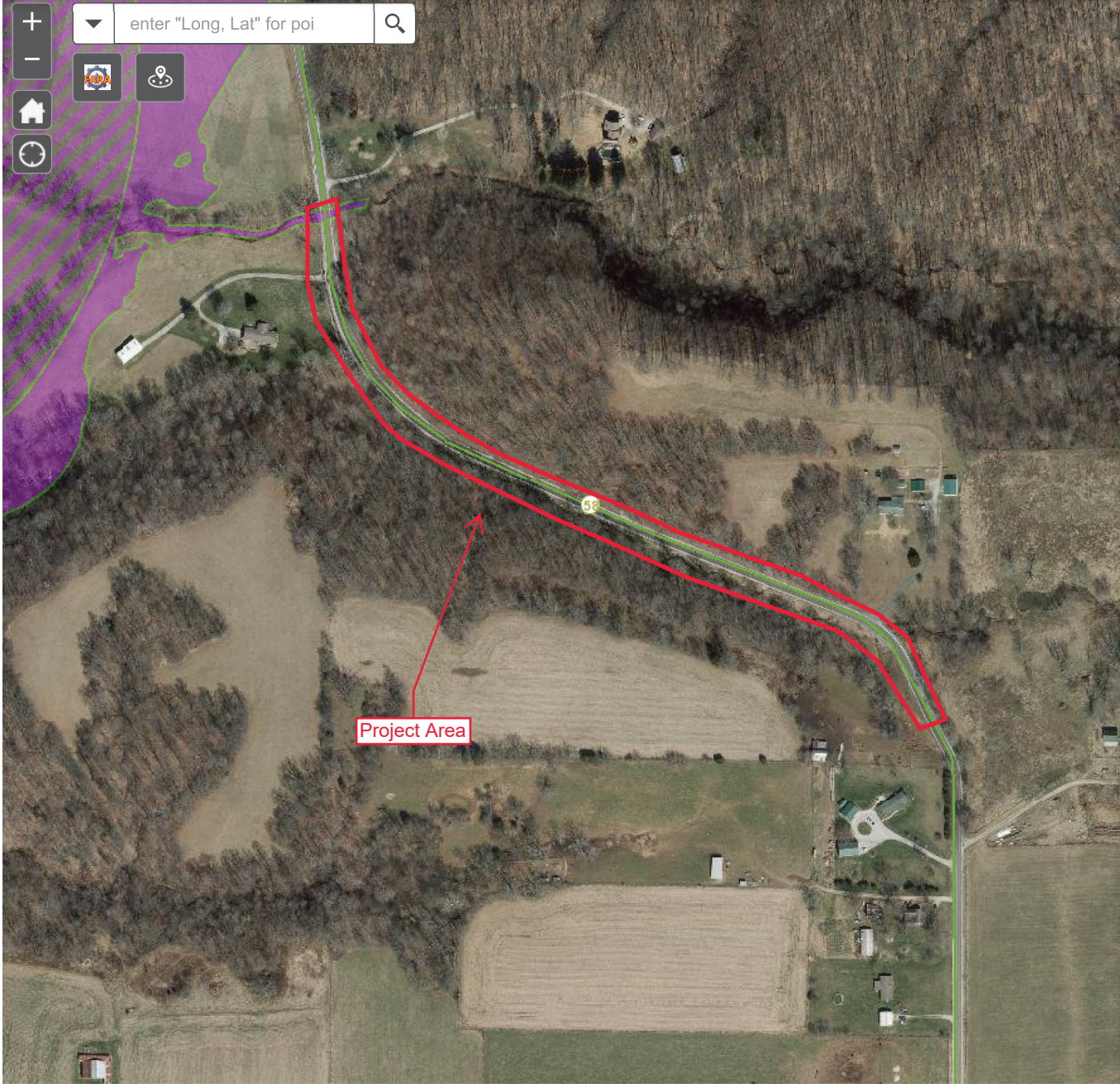


**Categorical Exclusion**  
**Appendix F**  
**Water Resources**

Search: enter "Long, Lat" for poi

Map controls: +, -, Home, Refresh, Layers, Location



Project Area

### Legend

- Local Flood Plain Administrator Jurisdiction**
  - [Green outline symbol]
- FLOOD\_FEPs - Flood Elevation Points**
  - 1.0
  - 1.5
  - 1.75
  - 2.0
- Drainage Areas for Indiana NHD Flowlines**

Rivers and Streams at least 1 square mile

  - 1 - 10
  - 10 - 100
  - 100 - 500
  - > 500
- Best Available Flood Hazard Layer (BAFL)**

Best Available Flood Hazard Layer

  - [Light blue] FEMA Zone AE Floodway; FEMA Administrative Floodway
  - [Yellow] DNR Detailed Floodway
  - [Purple] DNR Approximate Floodway
  - [Light blue] FEMA Zone A
  - [Light blue] FEMA Zone AE
  - [Yellow] DNR Detailed Fringe
  - [Purple] DNR Approximate Fringe
  - [Light green] Additional Floodplain Area; DNR .2 Percent Flood Hazard
  - [Orange] FEMA Protected by Levee
  - [Blue/White] FEMA Floodplain - Ponding (Depth)
  - [Green/White] FEMA Floodplain - Sheet Flow (Depth)
  - [White] Not Mapped

1:4514  
-86.391 38.906 Degrees

# SR 58 SLIDE CORRECTION PROJECT LAWRENCE COUNTY, IN

*February 1, 2022*

*Waters of the U.S. Report*

*Prepared by: Sean Langley*

**Des. No.: 1900296**  
**Contract No.: R-42199**

Note: This project has been  
moved to Contract No. R-41469.



Lochmueller Group, Inc.  
6200 Vogel Road  
Evansville, Indiana 47715  
Phone: 812.479.6200

**Waters of the U.S. Report  
SR 58 in Lawrence County  
Slide Correction Project  
Des. No. 1900296**

**Date(s) of Field Reconnaissance**  
September 30, 2021

**Location**

The project is located on State Road (SR) 58 in Lawrence County, Indiana (Page A1)

- Pleasant Run & Shawswick Township, Lawrence County, Indiana
- Section 3, Township 5 North, Range 1 East and Section 34, Township 6 North, Range 1 East
- Bartlettsville 1:24,000 United States Geological Survey (USGS) Quadrangle (Pages A2 and A3)
- Latitude / Longitude: 38.9037037° N/-86.3983216° W

**Project Description**

The SR 58 Slide Correction Project is located on SR 58 over an unnamed tributary (UNT) to Leatherwood Creek, 3.56 miles west of SR 446 in Lawrence County. The erosional slide is occurring along the westbound lane. These locations are generally where the stream meanders close to the road and over the years has caused erosion of the partially shale/sandstone lined waterway. The proposed slide correction includes the reconstruction of the stream in accordance with the approved hydraulic analysis completed by INDOT Hydraulics. This includes a 6 foot aggregate shoulder and a riprap lined channel. Pavement patching may be required in locations where erosion has caused the edge of asphalt pavement failure. Mill and overlay of the existing roadway is also anticipated.

The Waters of the U.S. (WOTUS) investigation survey area limits were defined as approximately 250 feet in length along SR 58, 100 feet east, and 100 feet west of the center line of US 50. The landscape surrounding the survey area is predominantly forested and rural residential properties.

**Soils**

According to the Soil Survey Geographic (SSURGO) Database dated June 2020 for Lawrence County, Indiana, the project area does not contain nationally listed hydric soils (Page A4).

Soil Name	Map Abbreviation	Hydric Range
Beanblossom silt loam, 1 to 3 percent slopes, occasionally flooded, very brief duration	BcrAW	0%, Nonhydric
Brownstown-Gilwood silt loams, 25 to 75 percent slopes complex	BvoG	0%, Nonhydric
Caneyville silt loam, 12 to 20 percent slopes, eroded	CdpD2	0%, Nonhydric
Crider silt loam, 6 to 12 percent slopes, eroded	CspC2	0%, Nonhydric



**National Wetlands Inventory (NWI) Information**

The U.S. Fish and Wildlife Service (USFWS) wetlands geodatabase (IN\_geodatabase\_wetlands.gdb) identified one NWI feature within the survey area. A riverine, lower perennial, unconsolidated bottom, permanently flooded (R2UBH) feature was field identified near the north end of the survey limits as UNT to Leatherwood Creek. (Page A5). The nearest USFWS mapped NWI feature beyond the survey area limits is a palustrine, forested, broad-leaved deciduous, temporary flooded (PFO1A) located approximately 0.25 mile southeast.

Wetland Type	Description	Location
R2UBH	Riverine, lower perennial, unconsolidated bottom, permanently flooded	Within the Survey Area (UNT 1 to Leatherwood Creek)
PFO1A	Palustrine, forested, broad-leaved deciduous, temporary flooded	0.02 Mile East

**12-Digit HUC (Hydrologic Unit Code)**

The SR 58 Slide Correction Project is within the 051202081001 12-Digit HUC (Headwaters Leatherwood Creek) (Page A2). The watershed area for the UNT to Leatherwood Creek was determined to be 0.801 square mile using USGS *StreamStats* (<https://water.usgs.gov/osw/streamstats>) (Page A6).

**FEMA Floodway/Floodplain**

The Federal Emergency Management (FEMA) Flood Map Service Center (<https://msc.fema.gov/portal/home>) and the Indiana Floodplain Information Portal (<https://dnrmapping.dnr.in.gov/appsphp/fdms/>) Best Available Flood Zone data indicates that the northern portion of the survey area is within an IDNR Approximate Fringe Floodway (Page A7).

**Attached Documents**

- ~~Location Map~~
- ~~USGS Topographic Map (1:24,000)~~
- ~~USGS Topographic Map (1:12,000)~~
- USDA SSURGO Soils Map
- USFWS NWI Map
- StreamStats Watershed Map
- Best Available Flood Hazard Map
- Water Resources Map
- ~~Photo Location Map and Project Photos~~
- USACE Pre-Jurisdictional Determination Form

Note: A portion of the attachments have been removed to avoid duplication and reduce file size.

**Field Reconnaissance**

This field survey was conducted within the growing season. For those features that displayed bed and bank, the ordinary high water mark (OHWM) width and depth was measured at a representative area observed beyond the influence of bridge and culvert structures. OHWM measurements were also documented for any stream features observed in the field that were not included as blue-line or NHD features.



### **Stream Feature(s)**

The USGS Bartlettsville 1:24,000 topographic quadrangle includes a blue-line stream feature within the survey area for the SR 58 Slide Correction Project (Pages A2 and A3). The NHD GIS dataset includes one stream/river flow line feature associated with UNT 1 to Leatherwood Creek and one drainageway flow line feature associated with UNT 2 to Leatherwood Creek within the survey area (Page A7). The blue-line stream feature, UNT 1 to Leatherwood Creek, enters the east side of the survey area and flows east to west through the survey area. The field investigation identified that the flow line features have a bed, bank and OHWM.

#### UNT 1 to Leatherwood Creek

UNT 1 to Leatherwood Creek is a perennial stream which has flowing water year-round from a groundwater source. UNT 1 to Leatherwood Creek enters from the east, flowing west located at the north end of the survey area (Page A8). Approximately 121 linear feet of the stream is within the survey area. The USFWS NWI Map identifies this feature as a R2UBH system (Page A5). According to USGSStreamStats (<https://water.usgs.gov/osw/streamstats/>) the drainage area upstream of UNT 1 to Leatherwood Creek is approximately 0.801 square mile (Page A6). According to Indiana Floodplain Information Portal (<https://dnrmapping.dnr.in.gov/appsphp/fdms/>), the UNT 1 to Leatherwood Creek is located within a DNR Approximate Fringe Floodway (Page A7).

UNT 1 to Leatherwood Creek has a flat bottom streambed that is predominantly riffle and run habitat with slightly deeper pool areas. The substrate is dominated by gravel (80%) with lesser components of cobble (20%). The stream displays moderate sinuosity. Riparian vegetation is comprised primarily of sugar maple (*Acer saccharum*), black walnut (*Juglans nigra*), American elm (*Ulmus americana*), American sycamore (*Plantanus occidentalis*), yellow foxtail (*Setaria pumila*), hairy crabgrass (*Digitaria sanguinalis*), fall panic grass (*Panicum dichotomiflorum*), and jewelweed (*Impatiens capensis*).

The OHWM at the survey area boundary was measured at 10 feet wide and 2 feet deep. Photos 1 through 6 (Pages A10) indicate streambed and bank conditions for this reach of UNT 1 to Leatherwood Creek. UNT 1 to Leatherwood Creek is considered to exhibit average quality based on substrate consistency and morphology.

UNT 1 to Leatherwood Creek is considered to be a relatively permanent waterway (RPW) with a connection to a traditionally navigable waterway (TNW), East Fork White River, via Leatherwood Creek. Therefore, UNT 1 to Leatherwood Creek is subject to USACE jurisdiction under Section 404 of the Clean Water Act. This stream is not subject to USACE jurisdiction under Section 10 of the River and Harbors Act.

#### UNT 2 to Leatherwood Creek

UNT 2 to Leatherwood Creek is an intermittent stream that has flowing water during certain times of the year, when groundwater provides water for stream flow. UNT 2 to Leatherwood Creek enters the southern end of the survey area north of SR 58, which is conveyed under SR 58 by a culvert (CV 058-047-85.36), and flows southeast to northwest the length of the survey area south of SR 58 (Page A8).

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Approximately 1,000 linear feet of the stream is within the survey area. According to USGS *StreamStats* (<https://water.usgs.gov/osw/streamstats/>) the drainage area of UNT 2 to Leatherwood Creek is within the 0.801 square mile drainage area of UNT 1 to Leatherwood Creek (Page A6). According to Indiana Floodplain Information Portal (<https://dnrmaps.dnr.in.gov/appsphp/fdms/>), the confluence of UNT 1 and UNT 2 to Leatherwood Creek is located within a DNR Approximate Fringe Floodway (Page A7).

UNT 2 to Leatherwood Creek has a flat bottom streambed that is predominantly riffle and run habitat with slightly deeper pool areas. The substrate is dominated by bedrock (90%) with lesser components of artificial riprap and concrete (10%). The stream displays moderate sinuosity. Riparian vegetation is comprised primarily of sugar maple, black walnut, American elm, American sycamore, yellow foxtail, hairy crabgrass, fall panic grass, and jewelweed.

The OHWM at the survey area boundary was measured at 2.5 feet wide and 1 foot deep. Photos 6 through 16 (Pages A10 through A12) indicate streambed and bank conditions for this reach of UNT 2 to Leatherwood Creek. UNT 2 to Leatherwood Creek is considered to exhibit average quality based on substrate consistency and morphology.

UNT 2 to Leatherwood Creek is considered to be a RPW with a connection to a TNW, East Fork White River, via UNT 1 to Leatherwood Creek and Leatherwood Creek. Therefore, UNT 2 to Leatherwood Creek is subject to USACE jurisdiction under Section 404 of the Clean Water Act. This stream is not subject to USACE jurisdiction under Section 10 of the River and Harbors Act.

#### UNT 3 to Leatherwood Creek

UNT 3 to Leatherwood Creek is an ephemeral stream which receives flow from storm water runoff. UNT 3 to Leatherwood Creek enters the survey area from the north, is conveyed under SR 58 by an unnamed culvert, and flows into UNT 2 to Leatherwood Creek south of SR 58 (Page A8). Approximately 84 linear feet of the stream is within the survey area. According to USGS *StreamStats* (<https://water.usgs.gov/osw/streamstats/>) the drainage area of UNT 3 to Leatherwood Creek is within the 0.801 square mile drainage area of UNT 1 to Leatherwood Creek (Page A6). According to Indiana Floodplain Information Portal (<https://dnrmaps.dnr.in.gov/appsphp/fdms/>), UNT 3 to Leatherwood Creek is not located in a floodway or floodplain (Page A7).

UNT 3 to Leatherwood Creek has a flat bottom streambed. The stream is a dry channel. The substrate is dominated by bedrock (60%) with lesser components of artificial riprap and concrete (40%). The stream displays limited sinuosity. Riparian vegetation is comprised primarily of sugar maple, black walnut, American elm, and American sycamore. Herbaceous riparian vegetation was sparse.

The OHWM at the survey area boundary was measured at 2 feet wide and 0.7 feet deep. Photos 17 through 20 (Pages A12 through A13) indicate streambed and bank conditions for this reach of UNT 3 to Leatherwood Creek. UNT 3 to Leatherwood Creek is considered to exhibit poor quality based on stream flow and morphology.

UNT 3 to Leatherwood Creek is considered to be a non-relatively permanent waterway (non-RPW) with a connection to a TNW, East Fork White River, via UNT 2 to Leatherwood Creek, UNT 1 to Leatherwood

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Creek and Leatherwood Creek. Therefore, UNT 3 to Leatherwood Creek is subject to USACE jurisdiction under Section 404 of the Clean Water Act. This stream is not subject to USACE jurisdiction under Section 10 of the River and Harbors Act.

#### UNT 4 to Leatherwood Creek

UNT 4 to Leatherwood Creek is an ephemeral stream which receives storm water runoff. UNT 4 to Leatherwood Creek enters the survey area from the north and drains south into UNT 2 to Leatherwood Creek, under SR 58 via an unnamed culvert (Page A8). Approximately 80 linear feet of the stream is within the survey area. According to USGS *StreamStats* (<https://water.usgs.gov/osw/streamstats/>) the drainage area of UNT 4 to Leatherwood Creek is within the 0.801 square mile drainage area of UNT 1 to Leatherwood Creek (Page A6). According to Indiana Floodplain Information Portal (<https://dnrmapping.dnr.in.gov/appsphp/fdms/>), UNT 4 is not located within a floodway (Page A7).

UNT 4 to Leatherwood Creek has a flat bottom streambed. The stream is a dry channel. The substrate is dominated by bedrock (100%). The stream displays limited sinuosity. Riparian vegetation is comprised primarily of sugar maple, black walnut, American elm, and American sycamore. Herbaceous riparian vegetation was sparse.

The OHWM at the survey area boundary was measured at 5 feet wide and 0.4 feet deep. Photos 21 and 22 (Page A13) indicate streambed and bank conditions for this reach of UNT 4 to Leatherwood Creek. UNT 4 to Leatherwood Creek is considered to exhibit poor quality based on stream flow and morphology.

UNT 4 to Leatherwood Creek is considered to be a non-RPW with a connection to a TNW, East Fork White River, via UNT 2 to Leatherwood Creek, UNT 1 to Leatherwood Creek, and Leatherwood Creek. Therefore, UNT 4 to Leatherwood Creek is subject to USACE jurisdiction under Section 404 of the Clean Water Act. This stream is not subject to USACE jurisdiction under Section 10 of the River and Harbors Act.





**Stream Summary Table**

Water Feature Name	Photos	Lat/Long	OHW Width (ft)	OHW Depth (ft)	USGS Blue-line? Type?	Riffles? Pools?	Substrate	Quality	Likely Waters of U.S.?
UNT 1 to Leatherwood Creek	1-6	38.9056857/ -86.4004071	10	2	Yes, Perennial	Yes	Gravel, Cobble	Average	Yes
UNT 2 to Leatherwood Creek	6-16	38.9038139/ -86.3985585	2.5	1	No, Intermittent	Yes	Bedrock, Artificial	Average	Yes
UNT 3 to Leatherwood Creek	17-20	38.9003138/ -86.3964043	2	0.7	No, Ephemeral	No	Bedrock, Artificial	Poor	Yes
UNT 4 to Leatherwood Creek	21-22	38.9038406/ -86.392385	5	0.4	No, Ephemeral	No	Bedrock, Artificial	Poor	Yes

**Wetlands**

No wetland features were identified within the SR 58 Slide Correction Project survey area. Dominant vegetation in the tree and shrub stratum is largely riparian, consisting of sugar maple (*Acer saccharum*, FACU), black walnut (*Juglans nigra*, FACU), American elm (*Ulmus americana*, FACW), American sycamore (*Plantanus occidentalis*, FACW), and white oak (*Quercus alba*, FACU). Dominant vegetation in the herbaceous strata consisted of yellow foxtail (*Setaria pumila*, FAC), hairy crabgrass (*Digitaria sanguinalis*, FACU), fall panic grass (*Panicum dichotomiflorum*, FACW), and jewelweed (*Impatiens capensis*, FACW). The topography of the area is steep, preventing wetland formation. Based on the dominant upland species observed, lack of suitable hydrology, and no mapped hydric soils, there were no potential wetlands identified within the survey area.

**Open Water**

There are no open water areas for consideration as WOTUS or non-WOTUS features within the survey area.

**Roadside Ditch**

No roadside ditch (RSD) features were identified within the survey area limits.

**Conclusions**

The Waters of the U.S. investigation conducted for the SR 58 Slide Correction Project concludes that there is one perennial stream, one intermittent stream, and two ephemeral streams within the survey area. No wetland, WOTUS or non-WOTUS open water features, or RSD features were identified within the survey area. The four stream features (UNT 1, 2, 3, and 4 to Leatherwood Creek) were identified within the survey area. UNT 1, 2, 3, and 4 to Leatherwood Creek are likely to be considered under USACE jurisdiction per Section 404 of the CWA. There are no water resources under USACE jurisdiction per Section 10 of the Rivers and Harbors Act within the survey area limits.




Every effort should be taken to avoid and minimize impact to the waterways. If impacts are necessary, then mitigation may be required. The INDOT Environmental Services Division should be contacted immediately if impacts will occur. The final determination of jurisdictional waters is ultimately made by the U.S. Army Corps of Engineers. This report is our best judgment based on the guidelines set forth by the Corps.

Dual 6 foot diameter culverts (CV 058-047-85.70), a single 6 foot diameter culvert (CV 058-047-85.36), and two unnamed culverts were examined on September 30, 2021 for the presence of bat and bird species. No bird nests were identified within the culverts. No direct or indirect signs of bat species were documented within the culvert. No other structures are located within the survey area limits.

**Acknowledgement**

This waters determination has been prepared based on the best available information, interpreted in the light of the investigator’s training, experience and professional judgement in conformance with the 1987 *Corps of Engineers Wetlands Delineation Manual*, the appropriate regional supplement, the USACE *Jurisdictional Determination Form Instructional Guidebook*, and other appropriate agency guidelines.

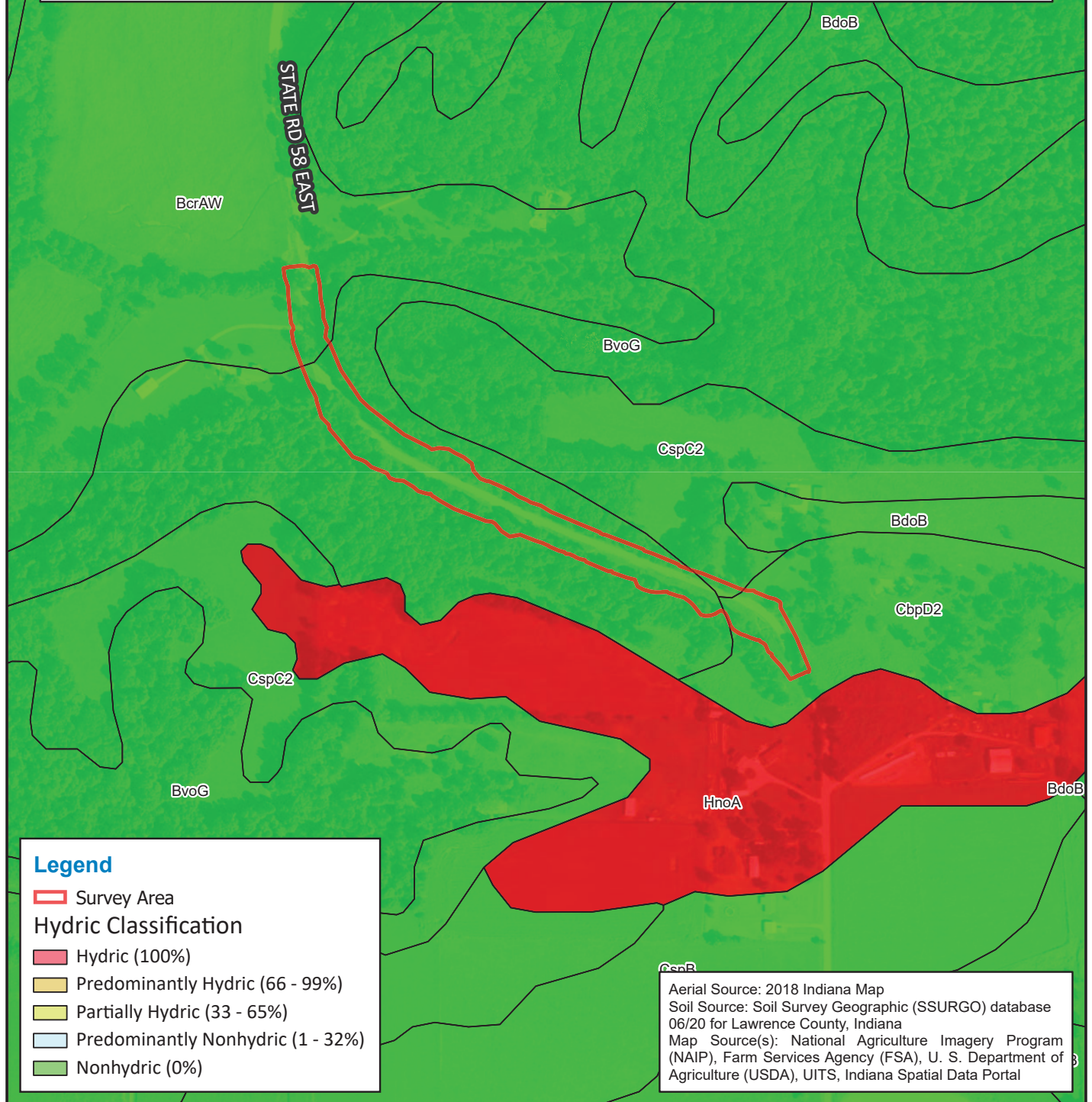
Sean Langley



Environmental Biologist  
Lochmueller Group, Inc.



Map Unit Symbol	Map Unit Name	% Hydric
BcrAW	Beanblossom silt loam, 1 to 3 percent slopes, occasionally flooded, very brief duration	0
BvoG	Brownstown-Gilwood silt loams, 25 to 75 percent slopes complex	0
CbpD2	Caneyville silt loam, 12 to 20 percent slopes, eroded	0
CspC2	Crider silt loam, 6 to 12 percent slopes, eroded	0



**Legend**

Survey Area

**Hydric Classification**

- Hydric (100%)
- Predominantly Hydric (66 - 99%)
- Partially Hydric (33 - 65%)
- Predominantly Nonhydric (1 - 32%)
- Nonhydric (0%)

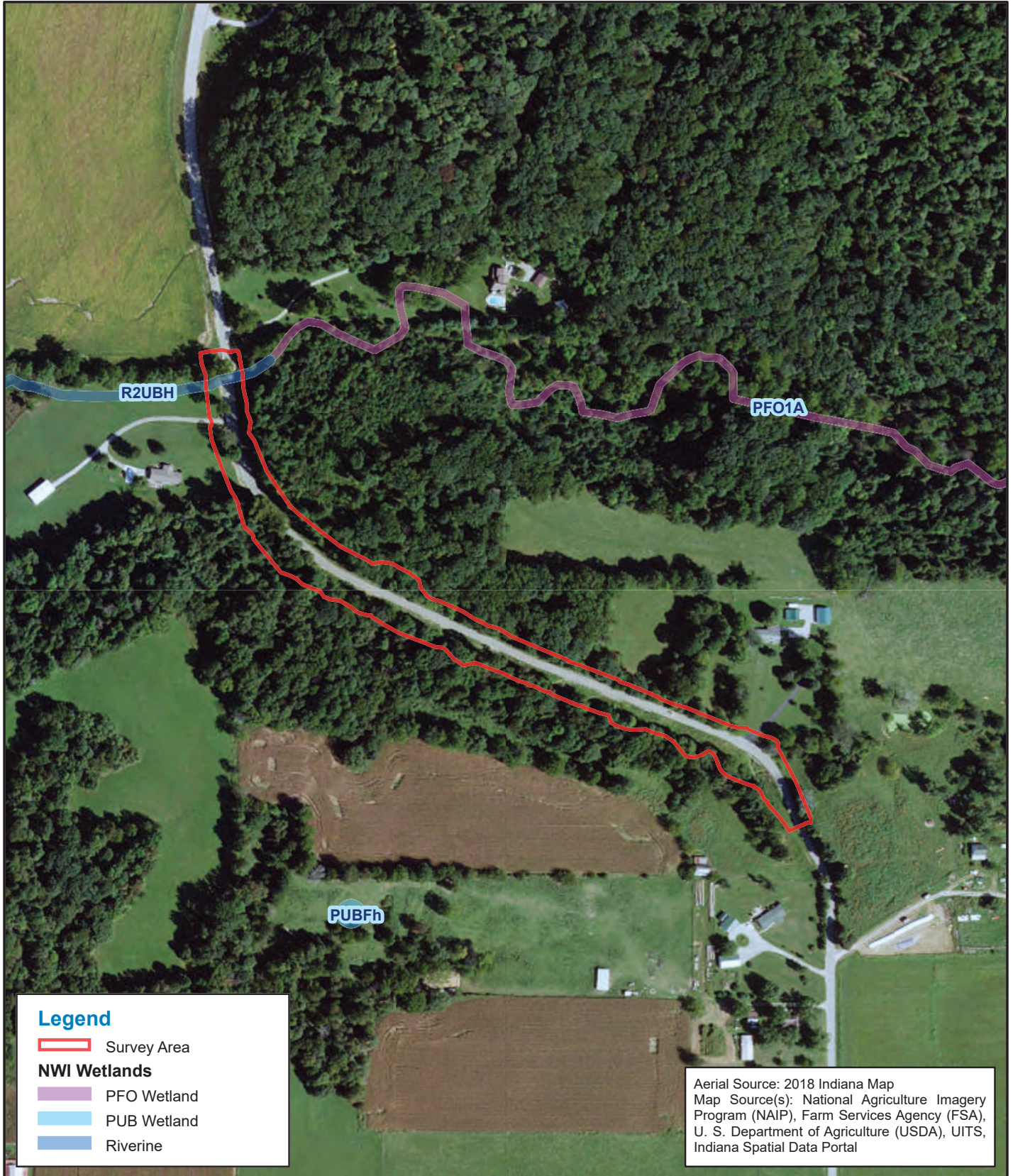
Aerial Source: 2018 Indiana Map  
 Soil Source: Soil Survey Geographic (SSURGO) database 06/20 for Lawrence County, Indiana  
 Map Source(s): National Agriculture Imagery Program (NAIP), Farm Services Agency (FSA), U. S. Department of Agriculture (USDA), UITS, Indiana Spatial Data Portal

**USDA SSURGO Soils Map**  
 Des. No. 1900296  
 Waters of the U.S. Report





0      250      500  
 Feet

County: Lawrence  
 Township: Pleasant Run & Shawsick  
 State: Indiana

SR 58, 3.56 miles west of SR 446  
 WOTUS  
 Created: 1/25/2022, SLangley



**Legend**


-  Survey Area
- NWI Wetlands**
-  PFO Wetland
-  PUB Wetland
-  Riverine

Aerial Source: 2018 Indiana Map  
 Map Source(s): National Agriculture Imagery Program (NAIP), Farm Services Agency (FSA), U. S. Department of Agriculture (USDA), UITS, Indiana Spatial Data Portal

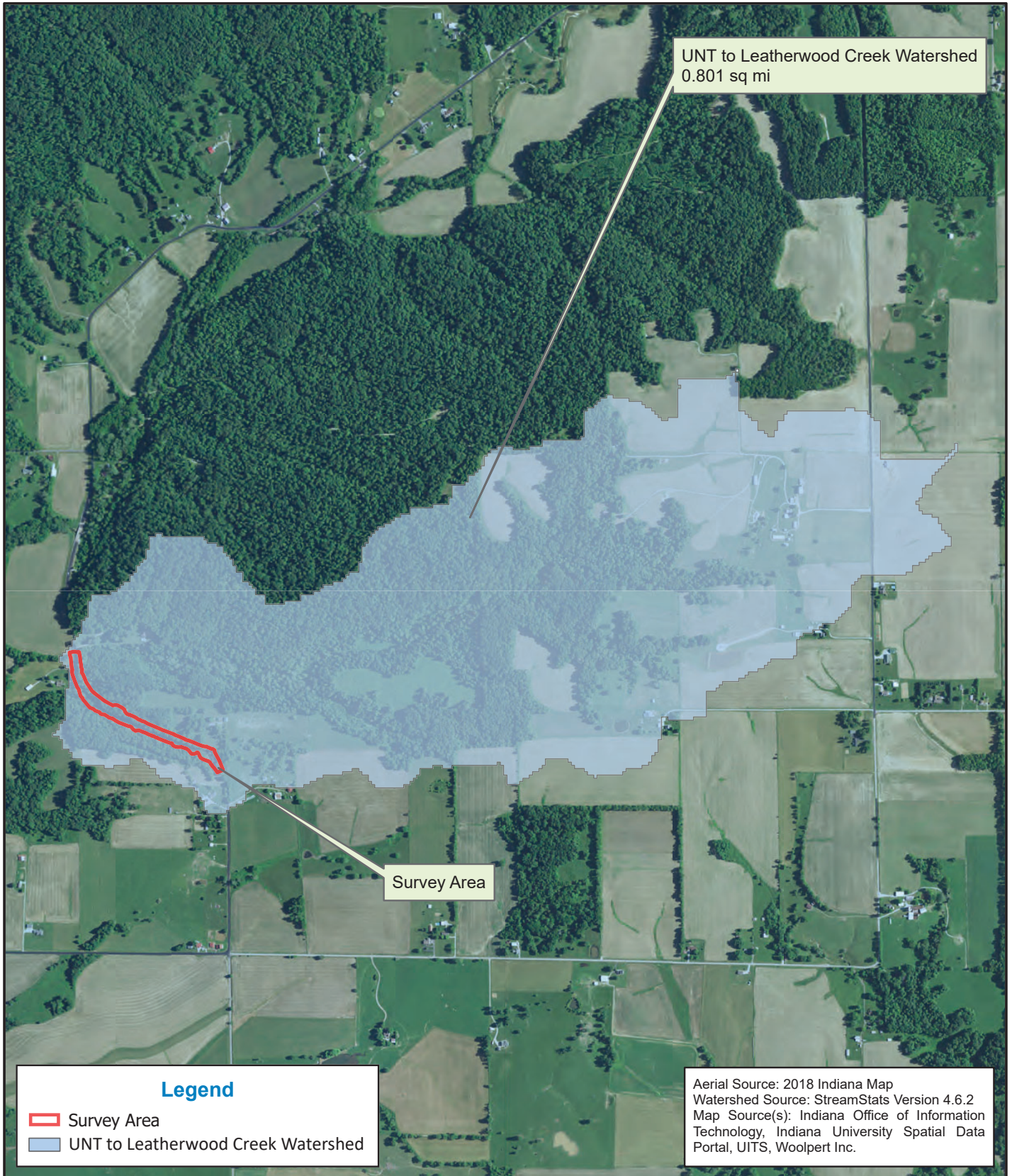




6200 Vogel Road  
 Evansville, Indiana 47715  
 Phone: (812) 479-6200  
 Toll Free: (800) 423-7411

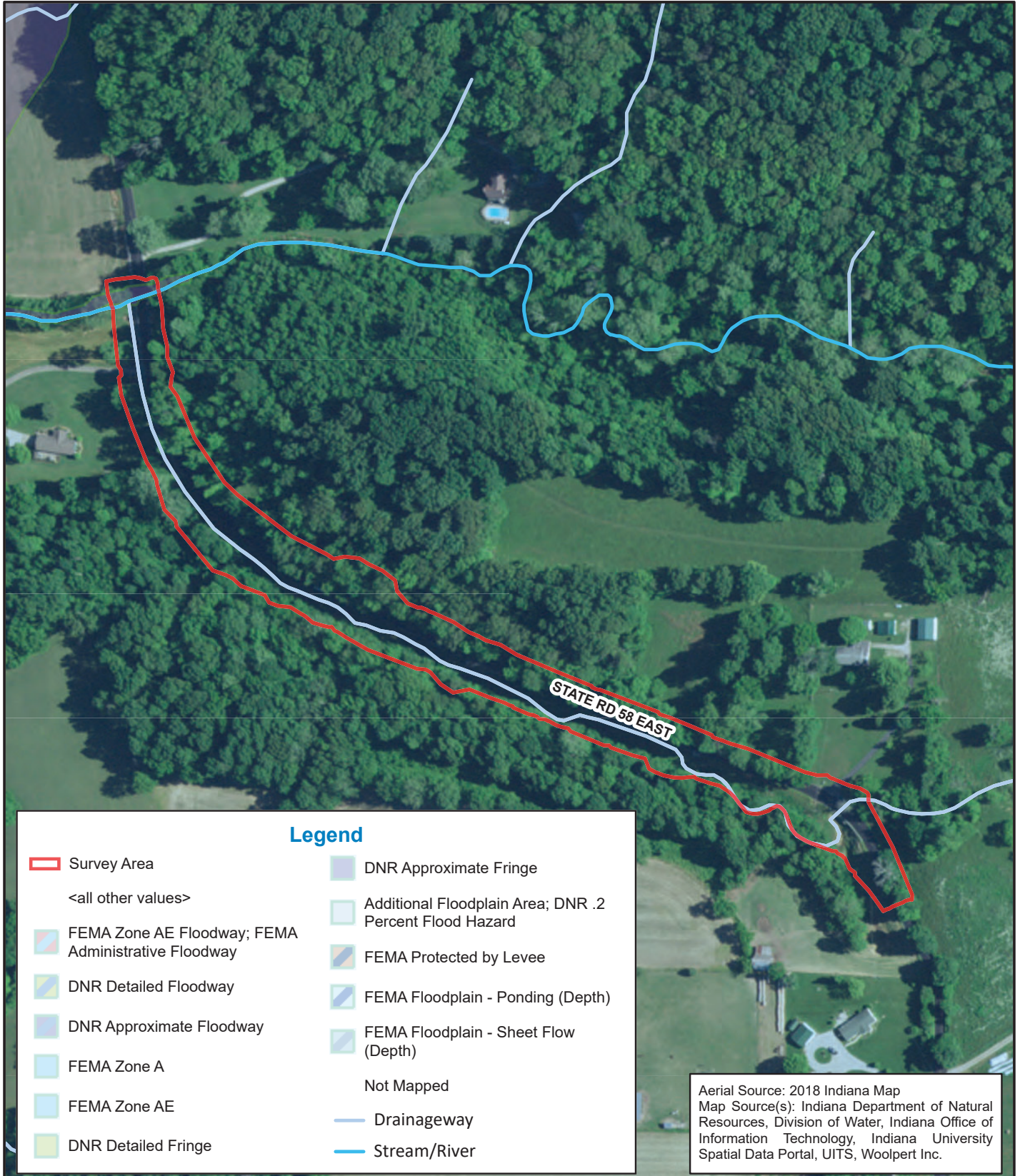
**USFWS NWI Map**  
 Des. No. 1900296  
 Waters of the U.S. Report

0 200 400 Feet 

County: Lawrence  
 Township: Pleasant Run & Shawsick  
 State: Indiana  
 SR 58, 3.56 miles west of SR 446  
 WOTUS  
 Created: 1/25/2022, SLangley



 <p>6200 Vogel Road          Evansville, Indiana 47715          Phone: (812) 479-6200          Toll Free: (800) 423-7411</p>	<p><b>StreamStats Watershed Map</b>  <b>Des. No. 1900296</b>  <b>Waters of the U.S. Report</b></p> <p>0 500 1,000          Feet</p> 	<p>County: Lawrence          Township: Pleasant Run &amp; Shawsick          State: Indiana</p> <p>SR 58, 3.56 miles west of SR 446          WOTUS          Created: 1/21/2022, SLangley</p>
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**LOCHMUELLER GROUP**

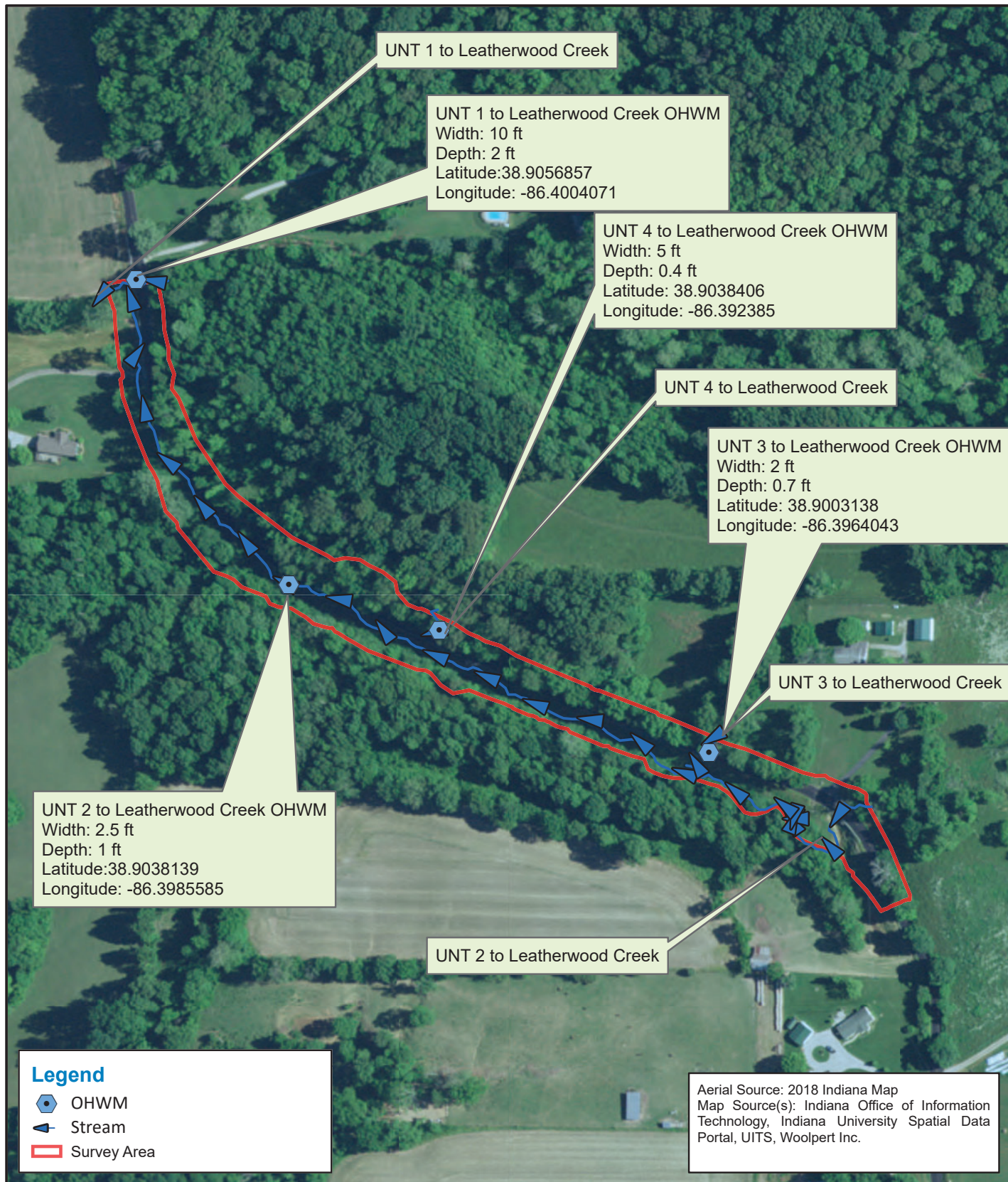
6200 Vogel Road  
 Evansville, Indiana 47715  
 Phone: (812) 479-6200  
 Toll Free: (800) 423-7411

**Best Available Flood Hazard Map**  
 Des. No. 1900296  
 Waters of the U.S. Report

0 150 300 Feet

County: Lawrence  
 Township: Pleasant Run & Shawsick  
 State: Indiana

SR 58, 3.56 miles west of SR 446  
 WOTUS  
 Created: 1/25/2022, SLangley



**LOCHMUELLER GROUP**

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 Toll Free: (800) 423-7411

**Water Resources Map**  
 Des. No. 1900296  
 Waters of the U.S. Report

0 150 300 Feet

County: Lawrence  
 Township: Pleasant Run & Shawsick  
 State: Indiana

SR 58, 3.56 miles west of SR 446  
 WOTUS  
 Created: 1/24/2022, SLangley

**Appendix 2 - PRELIMINARY JURISDICTIONAL DETERMINATION (PJD) FORM**

**BACKGROUND INFORMATION**

**A. REPORT COMPLETION DATE FOR PJD:** February 1, 2022

**B. NAME AND ADDRESS OF PERSON REQUESTING PJD:** Sean Langley, Lochmueller Group, 6200 Vogel Road, Evansville, IN 47715

**C. DISTRICT OFFICE, FILE NAME, AND NUMBER:**

**D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:**

The SR 58 Slide Correction Project (Des 1900296) is located on SR 58 over an unnamed tributary to Leatherwood Creek, 3.56 miles west of SR 446 in Lawrence County. The erosional slide is occurring along the westbound lane where the stream meanders close to the road and over the years and has caused erosion of the waterway. The proposed slide correction includes the reconstruction of the stream in accordance with the approved hydraulic analysis completed by INDOT Hydraulics. This includes a 6 foot aggregate shoulder and a riprap lined channel. The Waters of the U.S. investigation conducted for the SR 58 Small Slide Correction Project concludes that there is one perennial stream (UNT 1 to Leatherwood Creek), one intermittent stream (UNT 2 to Leatherwood Creek), and two ephemeral streams (UNT 3 and UNT 4 to Leatherwood Creek) within the survey area.

**(USE THE TABLE BELOW TO DOCUMENT MULTIPLE AQUATIC RESOURCES AND/OR AQUATIC RESOURCES AT DIFFERENT SITES)**

State: **Indiana** County/parish/borough: **Lawrence County** City: **near Heltonville**

Center coordinates of site (lat/long in degree decimal format):

Lat.: **38.9037037** Long.: **-86.3983216**

Universal Transverse Mercator: **16S, 552171 E, 4306263 N**

Name of nearest waterbody: **Leatherwood Creek**

**E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):**

Office (Desk) Determination. Date:

Field Determination. Date(s):



**TABLE OF AQUATIC RESOURCES IN REVIEW AREA WHICH “MAY BE” SUBJECT TO REGULATORY JURISDICTION.**

<b>Site number</b>	<b>Latitude (decimal degrees)</b>	<b>Longitude (decimal degrees)</b>	<b>Estimated amount of aquatic resource in review area (acreage and linear feet, if applicable)</b>	<b>Type of aquatic resource (i.e., wetland vs. non-wetland waters)</b>	<b>Geographic authority to which the aquatic resource “may be” subject (i.e., Section 404 or Section 10/404)</b>
UNT 1 to Leatherwood C +	38.9056857	-86.4004071	121 linear feet	Non-wetland	Section 404
UNT 2 to Leatherwood C +	38.9038139	-86.3985585	1000 linear feet	Non-wetland	Section 404
UNT 3 to Leatherwood C +	38.9003138	-86.3964043	84 linear feet	Non-wetland	Section 404
UNT 4 to Leatherwood C +	38.9038406	-86.392385	80 linear feet	Non-wetland	Section 404

- 1) The Corps of Engineers believes that there may be jurisdictional aquatic resources in the review area, and the requestor of this PJD is hereby advised of his or her option to request and obtain an approved JD (AJD) for that review area based on an informed decision after having discussed the various types of JDs and their characteristics and circumstances when they may be appropriate.
- 2) In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an AJD for the activity, the permit applicant is hereby made aware that: (1) the permit applicant has elected to seek a permit authorization based on a PJD, which does not make an official determination of jurisdictional aquatic resources; (2) the applicant has the option to request an AJD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an AJD could possibly result in less compensatory mitigation being required or different special conditions; (3) the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) undertaking any activity in reliance upon the subject permit authorization without requesting an AJD constitutes the applicant's acceptance of the use of the PJD; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a PJD constitutes agreement that all aquatic resources in the review area affected in any way by that activity will be treated as jurisdictional, and waives any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an AJD or a PJD, the JD will be processed as soon as practicable. Further, an AJD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331. If, during an administrative appeal, it becomes appropriate to make an official determination whether geographic jurisdiction exists over aquatic resources in the review area, or to provide an official delineation of jurisdictional aquatic resources in the review area, the Corps will provide an AJD to accomplish that result, as soon as is practicable. This PJD finds that there "*may be*" waters of the U.S. and/or that there "*may be*" navigable waters of the U.S. on the subject review area, and identifies all aquatic features in the review area that could be affected by the proposed activity, based on the following information:

**SUPPORTING DATA. Data reviewed for PJD (check all that apply)**

Checked items should be included in subject file. Appropriately reference sources below where indicated for all checked items:

- Maps, plans, plots or plat submitted by or on behalf of the PJD requestor:  
Map: Location map, topographic, soils, NWI, floodplain, aerial.
- Data sheets prepared/submitted by or on behalf of the PJD requestor.
  - Office concurs with data sheets/delineation report.
  - Office does not concur with data sheets/delineation report. Rationale: \_\_\_\_\_.
- Data sheets prepared by the Corps: \_\_\_\_\_.
- Corps navigable waters' study: \_\_\_\_\_.
- U.S. Geological Survey Hydrologic Atlas: \_\_\_\_\_
  - USGS NHD data.
  - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: 1:24,000 Barlettsville.
- Natural Resources Conservation Service Soil Survey. Citation: SSURGO Database.
- National wetlands inventory map(s). Cite name: Indiana Geodatabase Wetlands.
- State/local wetland inventory map(s): \_\_\_\_\_.
- FEMA/FIRM maps: https://indnr.maps.arcgis.com/apps/webappviewer/index.html?id=05026dabc2e8461983e196d56a213c1e.
- 100-year Floodplain Elevation is: \_\_\_\_\_.(National Geodetic Vertical Datum of 1929)
- Photographs:  Aerial (Name & Date): NAIP 2018  
or  Other (Name & Date): Ground photos September 30, 2021.
- Previous determination(s). File no. and date of response letter: \_\_\_\_\_.
- Other information (please specify): \_\_\_\_\_.

**IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.**

\_\_\_\_\_  
Signature and date of  
Regulatory staff member  
completing PJD

**Sean Langley** Digitally signed by Sean Langley  
Date: 2022.01.31 17:09:02 -06'00'  
\_\_\_\_\_  
Signature and date of  
person requesting PJD  
(REQUIRED, unless obtaining  
the signature is impracticable)<sup>1</sup>

<sup>1</sup> Districts may establish timeframes for requestor to return signed PJD forms. If the requestor does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action.

**Categorical Exclusion**  
**Appendix G**  
**Public Involvement**

November 3, 2020

## NOTICE OF SURVEY

RE: S.R. 58 Slide Correction Project:

- At RP 85.50, 3.56 miles West of S.R. 446 Jct in Lawrence County, Indiana.
  - Loch Group Project No.: 120-0008-05H
  - INDOT Des. No. 1900296

Dear Property Owner:

Research of county records indicates that you own or occupy property(s) near this proposed Slide Correction Project. Our employees will be doing a survey of the project area(s) in the near future. It may be necessary for them to come onto your property to complete this work. These procedures are allowed by Indiana Code IC 8-23-7-26. If you are available, our surveyors will show identification before coming onto your property. If you have sold this property, or it is occupied by someone else, please advise us of the name and address of the current owner/occupant so that we may contact them about the survey.

At this stage we do not know what effect, if any, our project may eventually have on your property. If we determine later that your property is involved, we will contact you with additional information.

The survey work will include mapping the location of features such as buildings, trees, fences and drives, as well as obtaining ground elevations. The survey work may include the identification and mapping of wetlands and streams, and various other environmental studies. This work is necessary for the proper planning and design of this proposed Slide Correction Project.

Please be assured of our sincere desire to cause you as little inconvenience as possible during this survey. If any problems do occur, please contact our field crew or call me at **(812-479-6200)**, or write to me at the above address. Thank you in advance for your cooperation.

Sincerely yours,

**LOCHMUELLER GROUP, INC.**



Sean L. Suttles, P.S.  
Chief of Surveying

**Categorical Exclusion**  
**Appendix H**  
**Air Quality**

Note: This project has been moved to Contract No. R-41469. See next page for listing.

Indiana Department of Transportation (INDOT)  
State Preservation and Local Initiated Projects FY 2022 - 2026

SPONSOR	CONTR ACT # / LEAD DES	STIP NAME	ROUTE	WORK TYPE	LOCATION	DISTRICT	MILES	FEDERAL CATEGORY	Total Cost of Project*	PROGRAM	PHASE	FEDERAL	MATCH	2022	2023	2024	2025	2026
Indiana Department of Transportation	41060 / 1800914	Init.	SR 62	Bridge Deck Overlay	Over Buckhorn Creek, 01.40 mi S SR-162	Vincennes	0	STBG	\$499,956.00	Bridge ROW	RW	\$20,000.00	\$5,000.00	\$25,000.00				
Performance Measure Impacted: Bridge Condition																		
Comments:Include DES 2101022, 1800914																		
Indiana Department of Transportation	41060 / 1800914	M 01	SR 62	Bridge Deck Overlay	Over Buckhorn Creek, 01.40 mi S SR-162	Vincennes	0	STBG		Bridge ROW	RW	\$6,800.00	\$1,700.00		\$8,500.00			
Performance Measure Impacted: Bridge Condition																		
Comments:RW moved from FY 22 to FY 23. No MPO, AQC N/A. Includes des 2101022 SR 245 over Little Pigeon Creek, 01.88 N SR 162																		
Indiana Department of Transportation	41128 / 1800959	Init.	SR 162	HMA Overlay, Preventive Maintenance	From E Jct SR-245 to I-64	Vincennes	7.238	STBG	\$1,922,137.00	Road Consulting	PE	\$12,000.00	\$3,000.00	\$15,000.00				
Performance Measure Impacted: Pavement Condition																		
Comments:Include DES 1800959																		
Indiana Department of Transportation	42196 / 1900126	Init.	SR 70	Bridge Replacement	Over Waterman Branch, 0.24 mi W SR-66	Vincennes	0	STBG	\$8,051,983.00	Bridge Construction	CN	\$5,347,460.00	\$1,336,865.00				\$6,684,325.00	
Performance Measure Impacted: Bridge Condition																		
Comments:Include DES 1900103, 1900199, 1900252, 1900259, 2000733, 1900126																		
Indiana Department of Transportation	42199 / 1900300	Init.	SR 66	Slide Correction	2.05 miles West of SR-70 Jct	Vincennes	0	STBG	\$14,278,344.00	Bridge Consulting	PE	\$40,320.00	\$10,080.00	\$50,400.00				
Performance Measure Impacted: Safety																		
Comments:Include DES 1900287, 1900291, 1900294, 1900295, 1900296, 2000129, 2001057, 1900300																		
Indiana Department of Transportation	42628 / 1902699	Init.	SR 161	Bridge Deck Overlay	SR 161 over Rose Pond Ditch	Vincennes	.11	STBG	\$4,124,000.00	Bridge Construction	CN	\$2,920,000.00	\$730,000.00	\$3,650,000.00				
Performance Measure Impacted: Bridge Condition																		
Comments:Include DES 1902701, 1902699																		
Indiana Department of Transportation	43515 / 2000131	Init.	SR 66	Slide Correction	1.35 miles West of SR 70 Jct	Vincennes	0	STBG	\$11,442,007.00	Road ROW	RW	\$30,000.00	\$7,500.00			\$37,500.00		
Performance Measure Impacted: Bridge Condition																		
Comments:Include DES 1902701, 1902699																		
Indiana Department of Transportation	43515 / 2000131	Init.	SR 66	Slide Correction	1.35 miles West of SR 70 Jct	Vincennes	0	STBG	\$11,442,007.00	Road Construction	CN	\$8,043,325.60	\$2,010,831.40				\$10,054,157.00	

\*Estimated Costs left to Complete Project column is for costs that may extend beyond the four years of a STIP. This column is not fiscally constrained and is for information purposes.

Note: This project has been moved to Contract No. R-41469.

Indiana Department of Transportation (INDOT)  
State Preservation and Local Initiated Projects FY 2022 - 2026

SPONSOR	CONTR ACT # / LEAD DES	STIP NAME	ROUTE	WORK TYPE	LOCATION	DISTRICT	MILES	FEDERAL CATEGORY	Total Cost of Project*	PROGRAM	PHASE	FEDERAL	MATCH	2022	2023	2024	2025	2026	
Indiana Department of Transportation	41446 / 1801057	Init.	SR 446	Small Structure Replacement	0.98 mile N of US 50 carrying roadside ditch.	Seymour	0	STBG	\$2,793,611.00	Bridge ROW	RW	\$27,200.00	\$6,800.00	\$34,000.00					
											Bridge Consulting	PE	\$4,960.00	\$1,240.00		\$6,200.00			
											Bridge Construction	CN	\$1,641,152.80	\$410,288.20		\$2,051,441.00			
Performance Measure Impacted: Bridge Condition																			
Comments:Include DES 1801006, 1801007, 1801027, 1801057																			
Indiana Department of Transportation	41450 / 1800169	Init.	SR 60	Slide Correction	3.49 mi E US-50 Jct.	Vincennes	0	STBG	\$683,363.59	Road Construction	CN	\$413,600.00	\$103,400.00		\$517,000.00				
											Road Consulting	PE	\$29,559.20	\$7,389.80	\$36,949.00				
											Road ROW	RW	\$10,400.00	\$2,600.00	\$13,000.00				
Performance Measure Impacted: Safety																			
Comments:Include DES 1800169																			
Indiana Department of Transportation	41469 / 1593092	Init.	SR 58	Small Structure Replacement	8.87 miles E of S Jct SR-37	Vincennes	0	STBG	\$1,667,615.00	Bridge Construction	CN	\$1,165,776.00	\$291,444.00			\$1,457,220.00			
											Bridge ROW	RW	\$7,040.00	\$1,760.00	\$8,800.00				
Performance Measure Impacted: Bridge Condition																			
Comments:Include DES 1701044, 1701050, 1593092																			
Indiana Department of Transportation	41583 / 1500061	Init.	SR 37	Added Travel Lanes, Construct Turn Lanes	At John Williams Blvd.	Vincennes	.171	NHPP	\$2,723,060.00	Mobility Construction	CN	\$1,746,400.00	\$436,600.00	\$20,000.00	\$2,163,000.00				
											Mobility ROW	RW	\$16,000.00	\$4,000.00	\$20,000.00				
Performance Measure Impacted: Pavement Condition																			
Comments:Include DES 1500060, 1500061																			
Lawrence County	42010 / 1802904	Init.	IR 1139	Signing	Lawrence County - District 2 (see attached Project Location Map for details)	Vincennes	0	STBG	\$1,095,780.00	Local Funds	CN	\$0.00	\$90,388.00		\$90,388.00				
											Local Safety Program	CN	\$813,492.00	\$0.00		\$813,492.00			
Performance Measure Impacted: Safety																			
Comments:Include DES 1902791, 1802904																			
Indiana Department of Transportation	42174 / 1800133	Init.	SR 158	Bridge Replacement	Over Silverville Creek, 07.94 mi W SR-458	Vincennes	0	STBG	\$2,960,962.00	Bridge ROW	RW	\$23,200.00	\$5,800.00		\$29,000.00				
											Bridge Construction	CN	\$2,345,569.60	\$586,392.40			\$2,931,962.00		
Performance Measure Impacted: Bridge Condition																			

\*Estimated Costs left to Complete Project column is for costs that may extend beyond the four years of a STIP. This column is not fiscally constrained and is for information purposes.