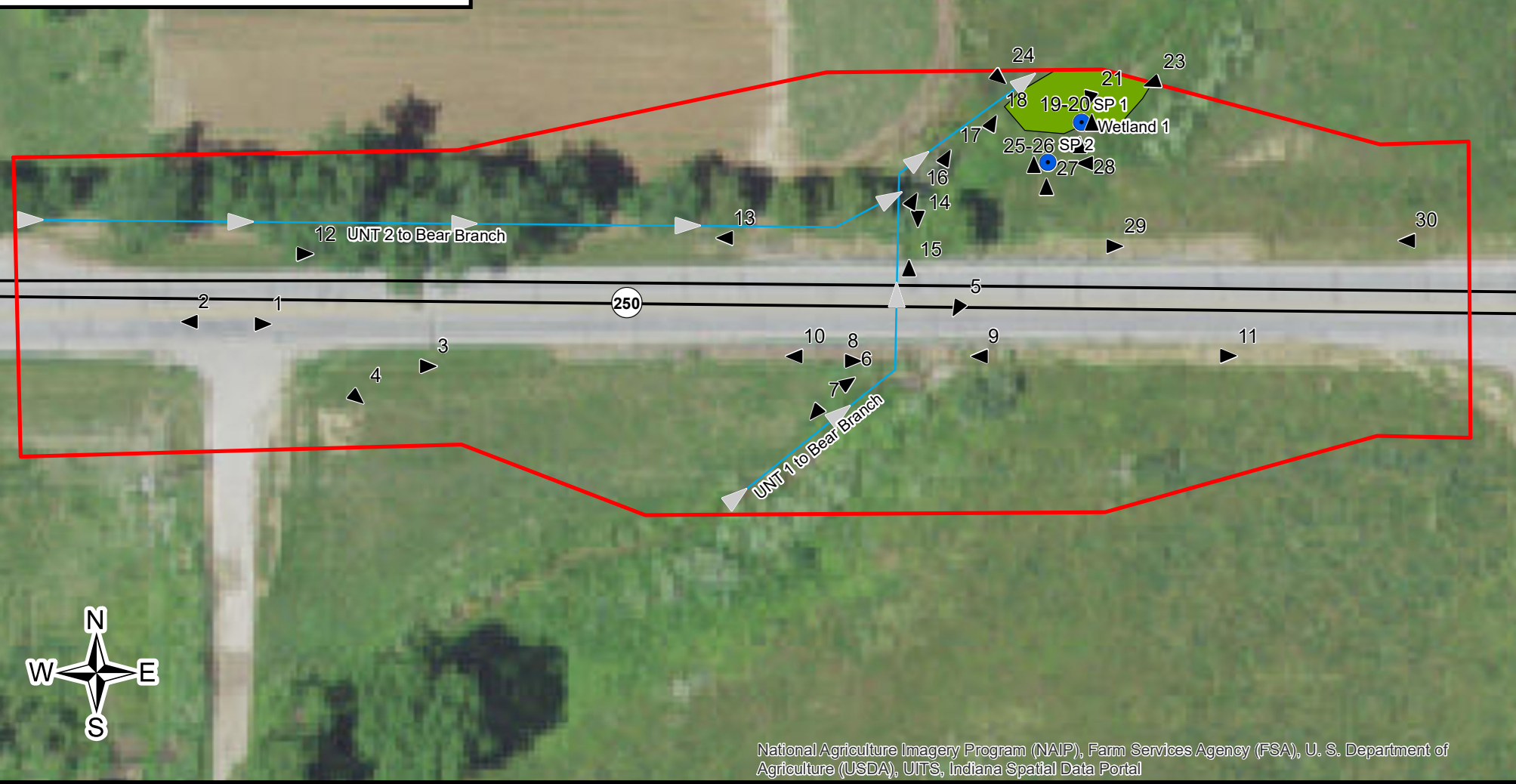


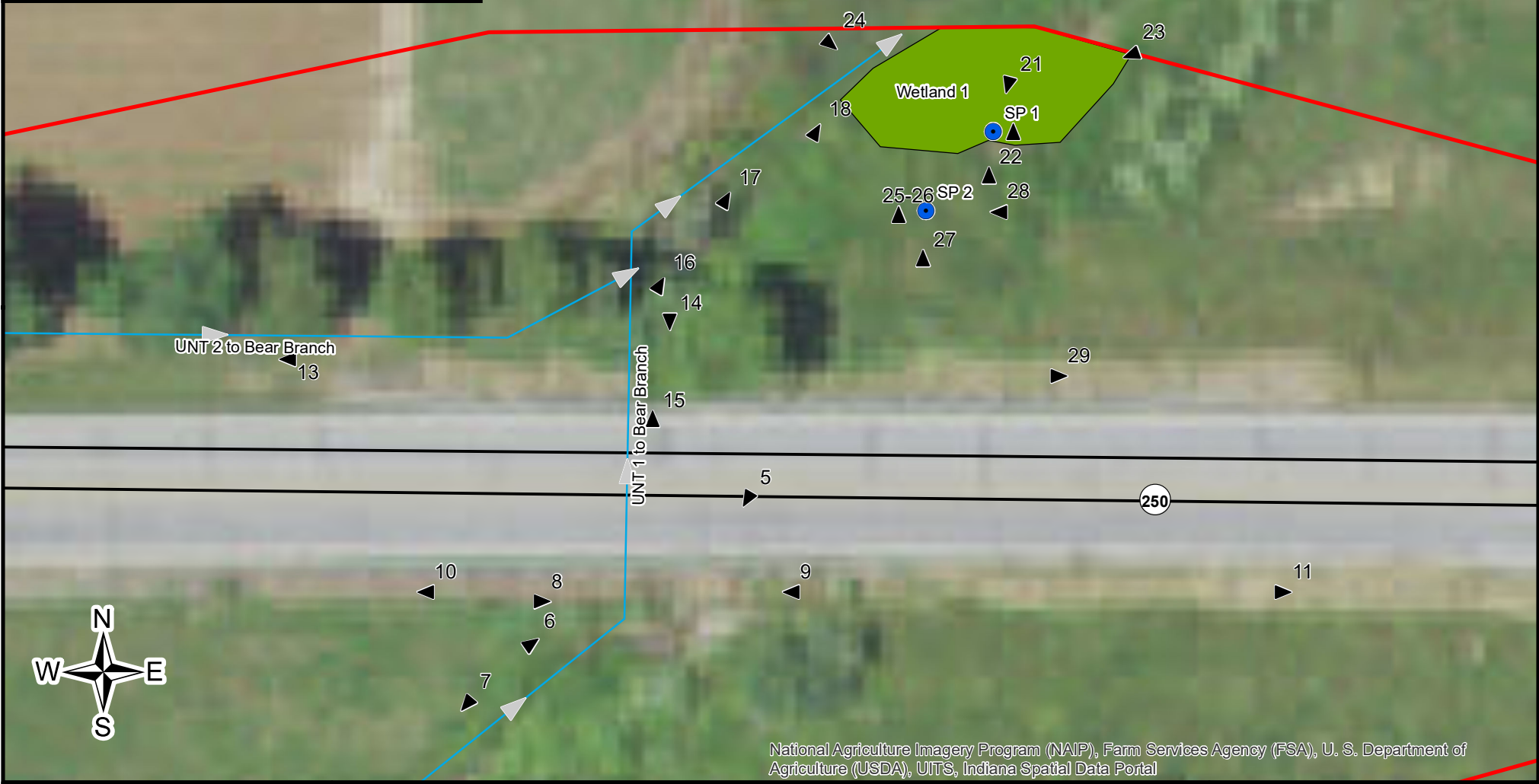
Photo Location and Orientation Map (1:489)
 Small Structure Project
 SR 250 over Bear Branch
 Des. No. 1800269
 Switzerland County, Indiana
 Source: SJCA Inc. Field Survey



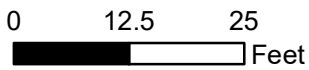
- Investigated Area
- Photo Location
- Sample Point
- Stream Line
- Emergent
4/27/2021



Photo Location and Orientation Map (1:250)
 Small Structure Project
 SR 250 over Bear Branch
 Des. No. 1800269
 Switzerland County, Indiana
 Source: SJCA Inc. Field Survey



National Agriculture Imagery Program (NAIP), Farm Services Agency (FSA), U. S. Department of Agriculture (USDA), UITS, Indiana Spatial Data Portal



- Investigated Area
- Photo Location
- Sample Point
- Stream Line
- Emergent
4/27/2021





Photo 1. Facing east along SR 250 toward project culvert. (9.3.20)



Photo 3. Facing east along south side SR 250 roadside toward project culvert. (9.3.20)



Photo 2. Facing west along SR 250 away from project culvert. (9.3.20)



Photo 4. Facing southeast toward area south of project culvert. (9.3.20)



Photo 5. Facing southwest at culvert inlet from SR 250. (9.3.20)



Photo 6. Facing northeast at UNT 1 to Bear Branch and structure inlet. (4.16.21)



Photo 7. Facing southwest at UNT 1 to Bear Branch. (4.16.21)



Photo 8. Facing east toward UNT 1 to Bear Branch and structure inlet. (4.16.21)

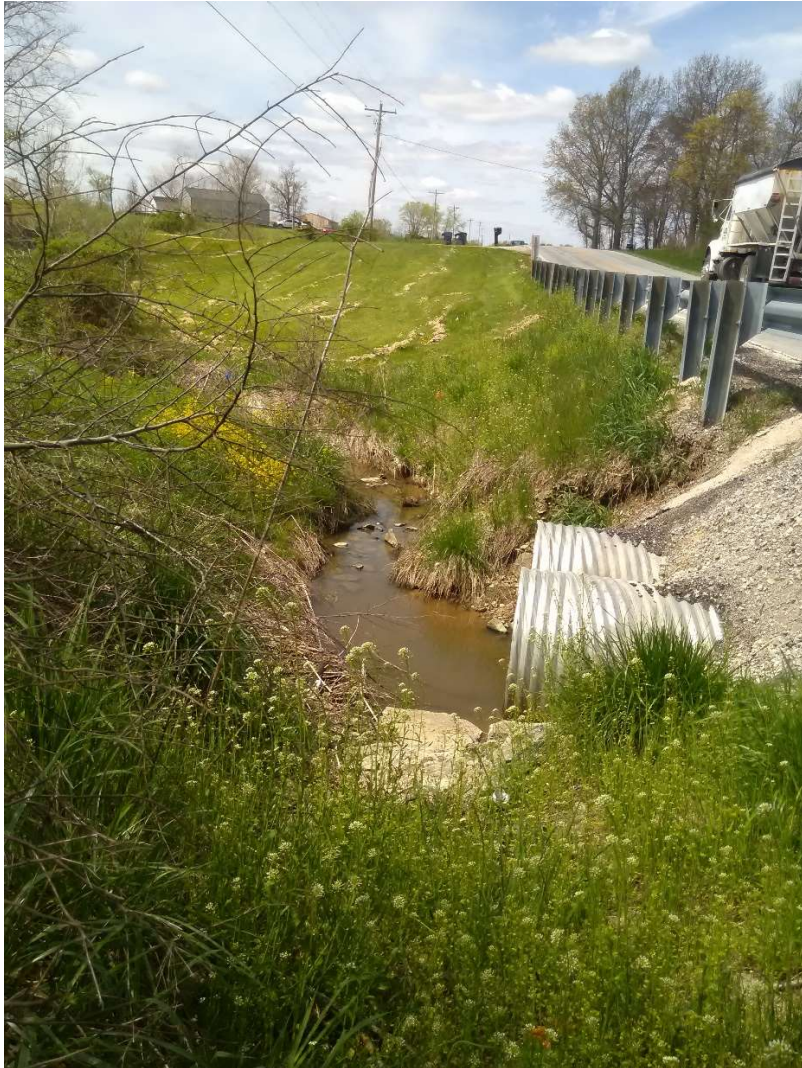


Photo 9. Facing west at UNT 1 to Branch and structure inlet. (4.16.21)



Photo 10. Facing west along south side of SR 250 roadside. (9.3.20)



Photo 11. Facing east along south side of SR 250 away from project culvert. (9.3.20)



OHWL:
1 foot wide/6 inches deep
Latitude/Longitude:
38.873527/-85.105445

Photo 12. Facing east along UNT 2 to Bear Branch. (9.3.20)



Photo 13: Facing west along UNT 2 to Bear Branch. (9.3.20)



Photo 14. Facing south at UNT 1 to Bear Branch and structure outlet. (4.16.21)

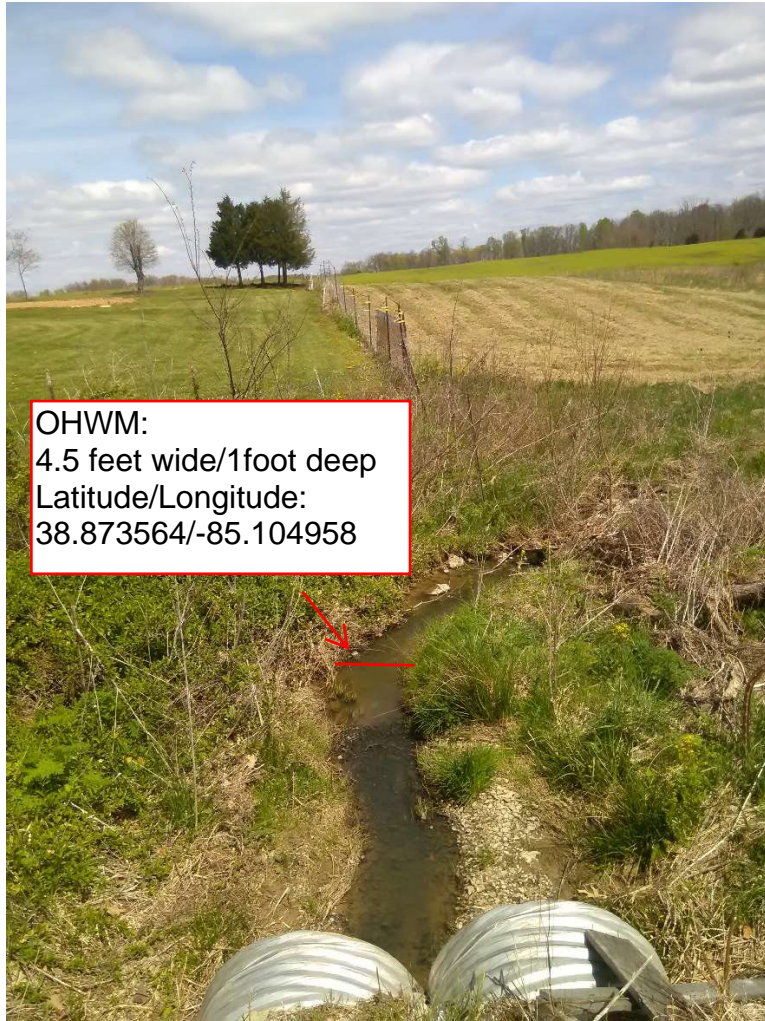


Photo 15. Facing north at UNT 1 to Bear Branch and structure outlet from SR 250. (4.16.21)



Photo 16. Facing northeast along UNT 1 to Bear Branch. (4.16.21)



Photo 17. Facing northeast along UNT 1 to Bear Branch. (4.16.21)



Photo 18. Facing northeast along UNT 1 to Bear Branch and edge of Wetland 1. (4.16.21)



Photo 19. Sample Point (SP) 1 soil. SP 1 is a wetland sample point. (4.16.21)



Photo 20. SP 1 soil pit. SP 1 is a wetland sample point. (4.16.21)



Photo 21. Facing southwest at SP 1 and Wetland 1. (4.16.21)



Photo 22. Facing north at SP1 and Wetland 1. (4.16.21)



Photo 23. Facing southwest at Wetland 1. (4.16.21)

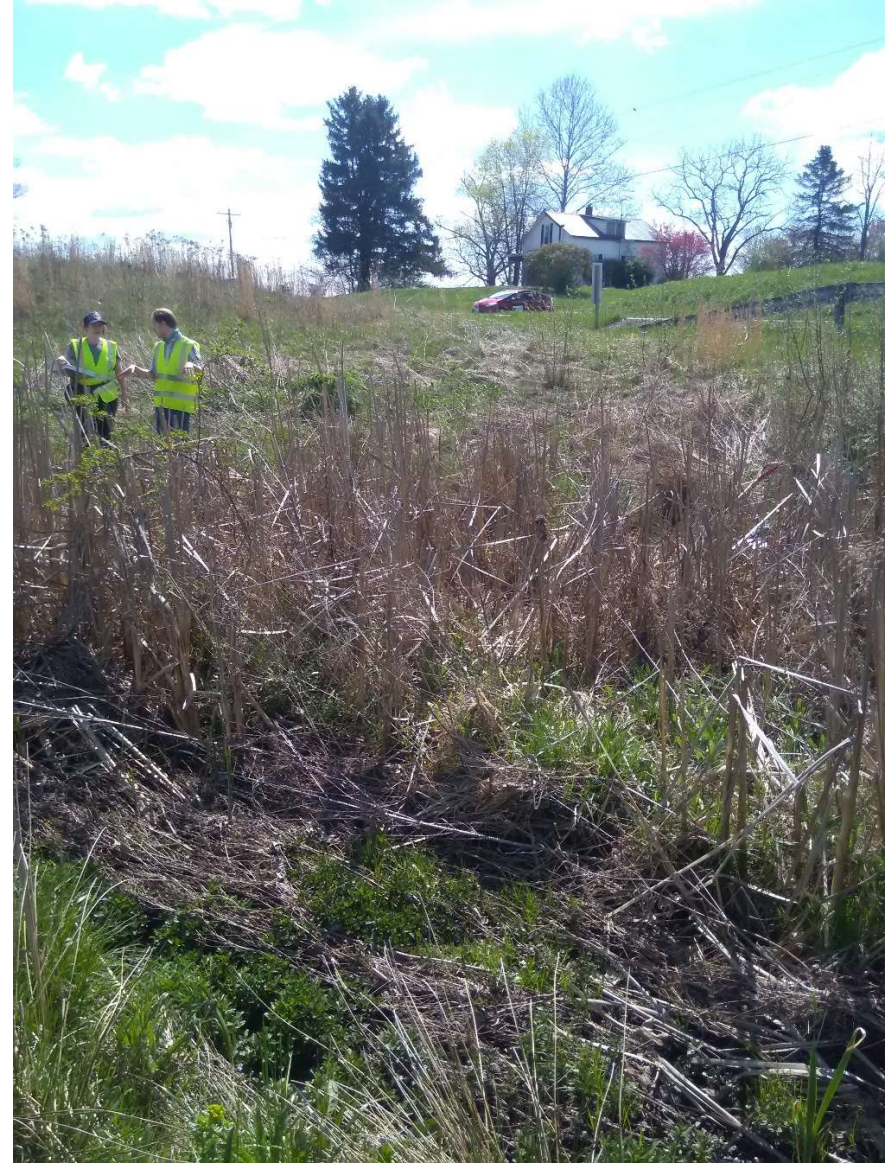


Photo 24. Facing southwest at Wetland 1. (4.16.21)



Photo 25. SP 2 soil. SP 2 is an upland sample point. (4.16.21)



Photo 26. SP 2 soil pit. SP 2 is an upland sample point. (4.16.21)



Photo 27. Facing north from SP 2. Wetland 1 is shown in background. (4.16.21)



Photo 28. Facing west from SP 2. (4.16.21)



Photo 29. Facing east along north side of SR 250 roadside. (9.3.20)

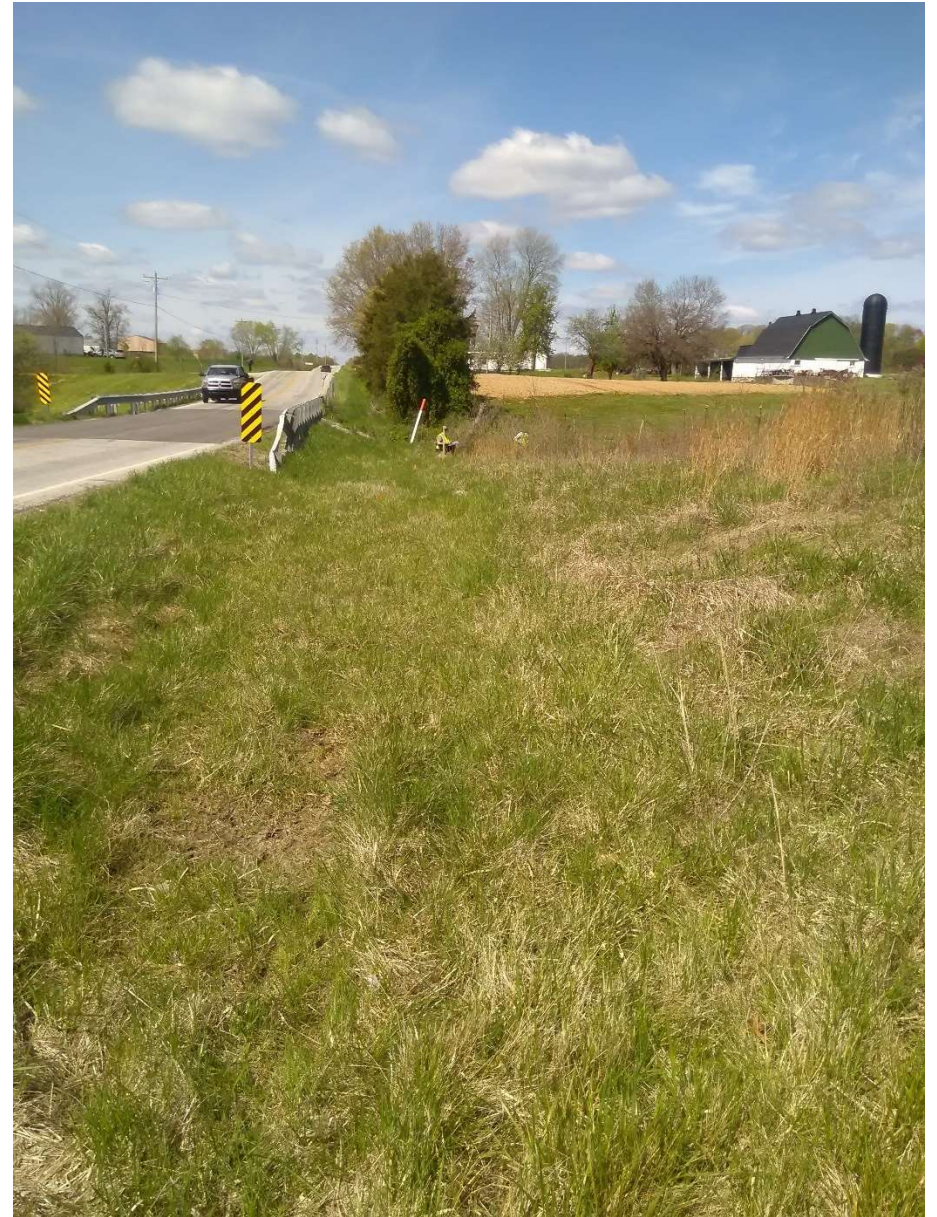


Photo 30. Facing west along north side of SR 250 roadside. (4.16.21)

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Des 1800269, SR 250 over UNT to Bear Creek City/County: Switzerland Sampling Date: 4.16.2021
 Applicant/Owner: INDOT State: IN Sampling Point: SP 1
 Investigator(s): Victoria Veach, Laura Rogers Section, Township, Range: Section 33, Township 4N, Range 3W
 Landform (hillslope, terrace, etc.): Depression Local relief (concave, convex, none): Concave
 Slope (%): 0-5 Lat: 38.873510 Long: -85.104789 Datum: WGS 1984
 Soil Map Unit Name: Weisburg Silt Loam, 6-12% slopes NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Hydric Soil Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Remarks: Sample Point taken within Wetland 1	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: _____ (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: _____ (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: _____ (A/B)
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
<u>0</u> = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet:
1. _____	_____	_____	_____	Total % Cover of: _____ Multiply by: _____
2. _____	_____	_____	_____	OBL species _____ x 1 = <u>0</u>
3. _____	_____	_____	_____	FACW species _____ x 2 = <u>0</u>
4. _____	_____	_____	_____	FAC species _____ x 3 = <u>0</u>
5. _____	_____	_____	_____	FACU species _____ x 4 = <u>0</u>
<u>0</u> = Total Cover				UPL species _____ x 5 = <u>0</u>
				Column Totals: <u>0</u> (A) <u>0</u> (B)
				Prevalence Index = B/A = _____
Herb Stratum (Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators:
1. <u>Typha angustifolia</u>	<u>100</u>	<u>X</u>	<u>OBL</u>	<input checked="" type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation
2. <u>Cardamine hirsuta</u>	<u>5</u>	_____	<u>FACU</u>	<input type="checkbox"/> 2 - Dominance Test is >50%
3. <u>Cirsium arvense</u>	<u>2</u>	_____	<u>FACU</u>	<input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹
4. <u>Dactylis glomerata</u>	<u>2</u>	_____	<u>FACU</u>	<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5. _____	_____	_____	_____	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
6. _____	_____	_____	_____	
7. _____	_____	_____	_____	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
<u>109</u> = Total Cover				¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
Woody Vine Stratum (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present?
1. _____	_____	_____	_____	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
2. _____	_____	_____	_____	
<u>0</u> = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: 1

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-10	10 YR 4/2	70	5 YR 3/4	30	C	M	SiL	
10-16	10 YR 4/1	95	10 YR 3/3	5	C	M	CL	

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

Hydric Soil Indicators:

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Coast Prairie Redox (A16)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> Dark Surface (S7)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Iron-Manganese Masses (F12)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Mucky Mineral (F1)	<input type="checkbox"/> Very Shallow Dark Surface (TF12)
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> 2 cm Muck (A10)	<input checked="" type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input checked="" type="checkbox"/> Redox Depressions (F8)	
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)		

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):
 Type: _____
 Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input checked="" type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input checked="" type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input checked="" type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations:

Surface Water Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches): _____	Wetland Hydrology Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Water Table Present?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): 13" bgs	
Saturation Present? (includes capillary fringe)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Depth (inches): Surface	

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: Des 1800269, SR 250 over UNT to Bear Creek City/County: Switzerland Sampling Date: 4.16.2021
 Applicant/Owner: INDOT State: IN Sampling Point: SP 2
 Investigator(s): Victoria Veach, Laura Rogers Section, Township, Range: Section 33, Township 4N, Range 3W
 Landform (hillslope, terrace, etc.): Hillslope Local relief (concave, convex, none): None
 Slope (%): 5-10 Lat: 38.873569 Long: -85.104823 Datum: WGS 1984
 Soil Map Unit Name: Weisburg Silt Loam, 6-12% slopes NWI classification: None

Are climatic / hydrologic conditions on the site typical for this time of year? Yes No (If no, explain in Remarks.)
 Are Vegetation , Soil , or Hydrology significantly disturbed? Are "Normal Circumstances" present? Yes No
 Are Vegetation , Soil , or Hydrology naturally problematic? (If needed, explain any answers in Remarks.)

SUMMARY OF FINDINGS – Attach site map showing sampling point locations, transects, important features, etc.

Hydrophytic Vegetation Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Hydric Soil Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Wetland Hydrology Present? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Is the Sampled Area within a Wetland? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Remarks: Upland Point to Wetland 1	

VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Dominance Test worksheet:
1. _____	_____	_____	_____	Number of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A)
2. _____	_____	_____	_____	Total Number of Dominant Species Across All Strata: <u>2</u> (B)
3. _____	_____	_____	_____	Percent of Dominant Species That Are OBL, FACW, or FAC: <u>0</u> (A/B)
4. _____	_____	_____	_____	
5. _____	_____	_____	_____	
0 = Total Cover				
Sapling/Shrub Stratum (Plot size: <u>15 ft</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Prevalence Index worksheet:
1. <u><i>Elaeagnus umbellata</i></u>	10	X	NI	Total % Cover of: _____ Multiply by: _____
2. <u><i>Rosa canina</i></u>	3		NI	OBL species <u>7</u> x 1 = <u>7</u>
3. <u><i>Achillea millefolium</i></u>	2		FACU	FACW species <u>2</u> x 2 = <u>4</u>
4. _____	_____	_____	_____	FAC species <u>4</u> x 3 = <u>12</u>
5. _____	_____	_____	_____	FACU species <u>63</u> x 4 = <u>252</u>
15 = Total Cover				UPL species <u>0</u> x 5 = <u>0</u>
				Column Totals: <u>76</u> (A) <u>275</u> (B)
				Prevalence Index = B/A = <u>3.6</u>
Herb Stratum (Plot size: <u>5</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Indicators:
1. <u><i>Festuca rubra</i></u>	40	X	FACU	<input type="checkbox"/> 1 - Rapid Test for Hydrophytic Vegetation
2. <u><i>Bromus inermis</i></u>	10		FACU	<input type="checkbox"/> 2 - Dominance Test is >50%
3. <u><i>Cirsium arvense</i></u>	7		FACU	<input type="checkbox"/> 3 - Prevalence Index is ≤3.0 ¹
4. <u><i>Juncus effusus</i></u>	7		OBL	<input type="checkbox"/> 4 - Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
5. <u><i>Solidago altissima</i></u>	4		FACU	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
6. <u><i>Barbarea vulgaris</i></u>	4		FAC	
7. <u><i>Conium maculatum</i></u>	2		FACW	
8. _____	_____	_____	_____	
9. _____	_____	_____	_____	
10. _____	_____	_____	_____	
74 = Total Cover				
Woody Vine Stratum (Plot size: <u>30</u>)	Absolute % Cover	Dominant Species?	Indicator Status	Hydrophytic Vegetation Present?
1. _____	_____	_____	_____	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
2. _____	_____	_____	_____	
0 = Total Cover				
Remarks: (Include photo numbers here or on a separate sheet.)				

SOIL

Sampling Point: 2

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

Depth (inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type ¹	Loc ²		
0-7	10 YR 3/4	100					SiL	
7-14	10 YR 4/4	90	10 YR 3/6	10	C	M	CL	
14-16	10 YR 4/1	60	10 YR 3/6	38	C	M	CL	
			5 YR 3/4	2	C	PL		

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

Hydric Soil Indicators:

<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Coast Prairie Redox (A16)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> Dark Surface (S7)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Iron-Manganese Masses (F12)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Mucky Mineral (F1)	<input type="checkbox"/> Very Shallow Dark Surface (TF12)
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> 2 cm Muck (A10)	<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Redox Depressions (F8)	
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)		

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes No

Remarks:

HYDROLOGY

Wetland Hydrology Indicators:

Primary Indicators (minimum of one is required; check all that apply)		Secondary Indicators (minimum of two required)
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Surface Soil Cracks (B6)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Aquatic Fauna (B13)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> True Aquatic Plants (B14)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Crayfish Burrows (C8)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Stunted or Stressed Plants (D1)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Thin Muck Surface (C7)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Gauge or Well Data (D9)	
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Other (Explain in Remarks)	

Field Observations:

Surface Water Present? Yes No Depth (inches): _____

Water Table Present? Yes No Depth (inches): _____

Saturation Present? (includes capillary fringe) Yes No Depth (inches): _____

Wetland Hydrology Present? Yes No

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

Appendix 2 - PRELIMINARY JURISDICTIONAL DETERMINATION (PJD) FORM

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PJD: 5/20/2021

B. NAME AND ADDRESS OF PERSON REQUESTING PJD: Victoria Veach, 1104 Prospect Street, Indianapolis, Indiana 46203

C. DISTRICT OFFICE, FILE NAME, AND NUMBER:

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:

Des 1800269 involves the replacement of the culvert carrying SR 250 over a UNT to Bear Branch in Switzerland County, Indiana. The existing culvert is a temporary structure placed following the failure of the original structure and consists of two 36-inch diameter corrugated metal pipes. The original structure was a 4-foot by 3.2 foot tree-sided concrete structure with a length of approximately 30 feet. The proposed project will replace the existing temporary structure with a 5-foot by 4-foot reinforced concrete box with a length of approximately 68 feet. Wing walls will be constructed at the inlet and outlet of the structure. The existing guardrails in the project area may be replaced and extended. Ditch grading may occur on the north and south side of the roadway.

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

State: Indiana County/parish/borough: Switzerland City: Pleasant

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

Lat.: 38.873458 Long.: -85.104978

Universal Transverse Mercator: 16 S

Name of nearest waterbody: Bear Branch

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.

Site number	Latitude (decimal degrees)	Longitude (decimal degrees)	Estimated amount of aquatic resource in review area (acreage and linear feet, if applicable)	Type of aquatic resource (i.e., wetland vs. non-wetland waters)	Geographic authority to which the aquatic resource “may be” subject (i.e., Section 404 or Section 10/404)
UNT 1 to Bear Branch	38.873458	-85.104978	165 feet, 0.02 acre	Non-wetland water	Section 401/404
UNT 2 to Bear Branch	38.873519	-85.105236	250 feet, 0.006	Non-wetland water	Section 401/404
Wetland 1	38.873622	-85.104710	0.01 acre	Emergent Wetland	Section 401/404

- 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: Project location map
- 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: NHD map and HUC 12 watershed map.
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: 1:24,000 - Vevay North Quadrangle.
- Natural Resources Conservation Service Soil Survey. Citation: 2020 Web Soil Survey data
- National wetlands inventory map(s). Cite name: 2014 NWI Data
- State/local wetland inventory map(s): _____
- FEMA/FIRM maps: 2019 Floodplain Data
- 100-year Floodplain Elevation is: _____.(National Geodetic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): 2016 NAIP Aerial Imagery
or Other (Name & Date): Site photos: September 3, 2020 and April 16, 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

Victoria Veach May 20, 2021

Signature and date of
person requesting PJD
(REQUIRED, unless obtaining
the signature is impracticable)¹

¹ 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.

Des 1800269

Appendix H

Air Quality

Indiana Department of Transportation (INDOT)
 State Preservation and Local Initiated Projects FY 2020 - 2024

SPONSOR	CONTR ACT # / LEAD DES	STIP NAME	ROUTE	WORK TYPE	LOCATION	DISTRICT	MILES	FEDERAL CATEGORY	Estimated Cost left to Complete Project*	PROGRAM	PHASE	FEDERAL	MATCH	2020	2021	2022	2023	2024
Switzerland County																		
Indiana Department of Transportation	37800 / 1400151	Init.	SR 250	Slide Correction	1.1 mile W of SR 156	Seymour	.119	STPBG		Road Construction	CN	\$2,966,174.40	\$741,543.60	\$3,707,718.00				
Indiana Department of Transportation	37800 / 1700122	Init.	SR 250	Small Structure Replacement	At 9.67 miles E of SR 56	Seymour	0	STPBG		Bridge Construction	CN	\$235,492.80	\$58,873.20			\$294,366.00		
										Bridge Consulting	PE	\$40,000.00	\$10,000.00			\$50,000.00		
										Bridge ROW	RW	\$8,000.00	\$2,000.00		\$10,000.00			
Switzerland County	38185 / 1500215	Init.	VA VARI	Bridge Inspections	Countywide Bridge Inspection and Inventory Program for Cycle Years 2018-2021	Seymour	0	STPBG		Local Funds	PE	\$0.00	\$8,284.01	\$6,811.64	\$1,472.37			
										Local Bridge Program	PE	\$33,136.03	\$0.00	\$27,246.56	\$5,889.47			
Indiana Department of Transportation	38635 / 1500070	Init.	SR 250	Slide Correction	1.0 mile W of SR 156	Seymour	0	STPBG		Road Construction	CN	\$788,964.00	\$197,241.00	\$986,205.00				
Indiana Department of Transportation	38636 / 1500094	Init.	SR 156	Slide Correction	0.25 mile W of Spring Branch	Seymour	0	STPBG		Road Construction	CN	\$1,555,304.80	\$388,826.20	\$1,944,131.00				
Indiana Department of Transportation	38636 / 1600614	Init.	SR 156	Erosion Control	3.4 miles E of SR 101	Seymour	.1	STPBG		Bridge Construction	CN	\$32,000.00	\$8,000.00			\$40,000.00		
										Road Construction	CN	\$781,801.60	\$195,450.40			\$977,252.00		
										Road ROW	RW	\$96,000.00	\$24,000.00	\$120,000.00				
Indiana Department of Transportation	39781 / 1400024	Init.	SR 156	Replace Superstructure	0.35 miles E of SR 250 over Wade Creek	Seymour	0	STPBG		Bridge Construction	CN	\$2,606,889.60	\$651,722.40			\$3,258,612.00		
										Bridge ROW	RW	\$44,000.00	\$11,000.00	\$55,000.00				
Indiana Department of Transportation	40067 / 1602172	Init.	SR 101	HMA Overlay, Preventive Maintenance	From State Line to SR 156 (Mar kland Dam)	Seymour	.2	STPBG		Road Construction	CN	\$197,612.00	\$49,403.00	\$247,015.00				
Indiana Department of Transportation	40933 / 1801174	Init.	SR 129	Bridge Thin Deck Overlay	02.28 miles N of SR 56 over Long Run	Seymour	0	STPBG		Bridge Construction	CN	\$151,196.00	\$37,799.00	\$188,995.00				
Indiana Department of Transportation	40943 / 1801064	Init.	SR 129	HMA Overlay, Preventive Maintenance	SR 56 to SR 250	Seymour	12.122	STPBG		Road Construction	CN	\$3,438,116.00	\$859,529.00			\$4,297,645.00		
Indiana Department of Transportation	40952 / 1801101	Init.	SR 156	HMA Overlay, Preventive Maintenance	0.13 miles W of SR 101 to 1.8 miles E of SR 101	Seymour	1.936	STPBG		Road Construction	CN	\$642,596.00	\$160,649.00			\$803,245.00		
Indiana Department of Transportation	41448 / 1800289	Init.	SR 250	Replace Superstructure	2.94 mi E of SR 129, at Indian Creek	Seymour	0	STPBG		Bridge Construction	CN	\$1,180,069.60	\$295,017.40				\$1,475,087.00	
										Bridge Consulting	PE	\$441,920.00	\$110,480.00	\$548,000.00				\$4,400.00

*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.

Indiana Department of Transportation (INDOT)
 State Preservation and Local Initiated Projects FY 2020 - 2024

SPONSOR	CONTR ACT # / LEAD DES	STIP NAME	ROUTE	WORK TYPE	LOCATION	DISTRICT	MILES	FEDERAL CATEGORY	Estimated Cost left to Complete Project*	PROGRAM	PHASE	FEDERAL	MATCH	2020	2021	2022	2023	2024
Indiana Department of Transportation	41448 / 1800289	Init.	SR 250	Replace Superstructure	2.94 mi E of SR 129, at Indian Creek	Seymour	0	STPBG		Bridge ROW	RW	\$44,000.00	\$11,000.00		\$55,000.00			

Switzerland County Total
 Federal: \$15,283,272.83 Match :\$3,820,818.21 2020: \$7,831,122.20 2021: \$9,449,115.84 2022: \$344,366.00 2023: \$1,479,487.00 2024:

*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.

Des 1800269

Appendix I

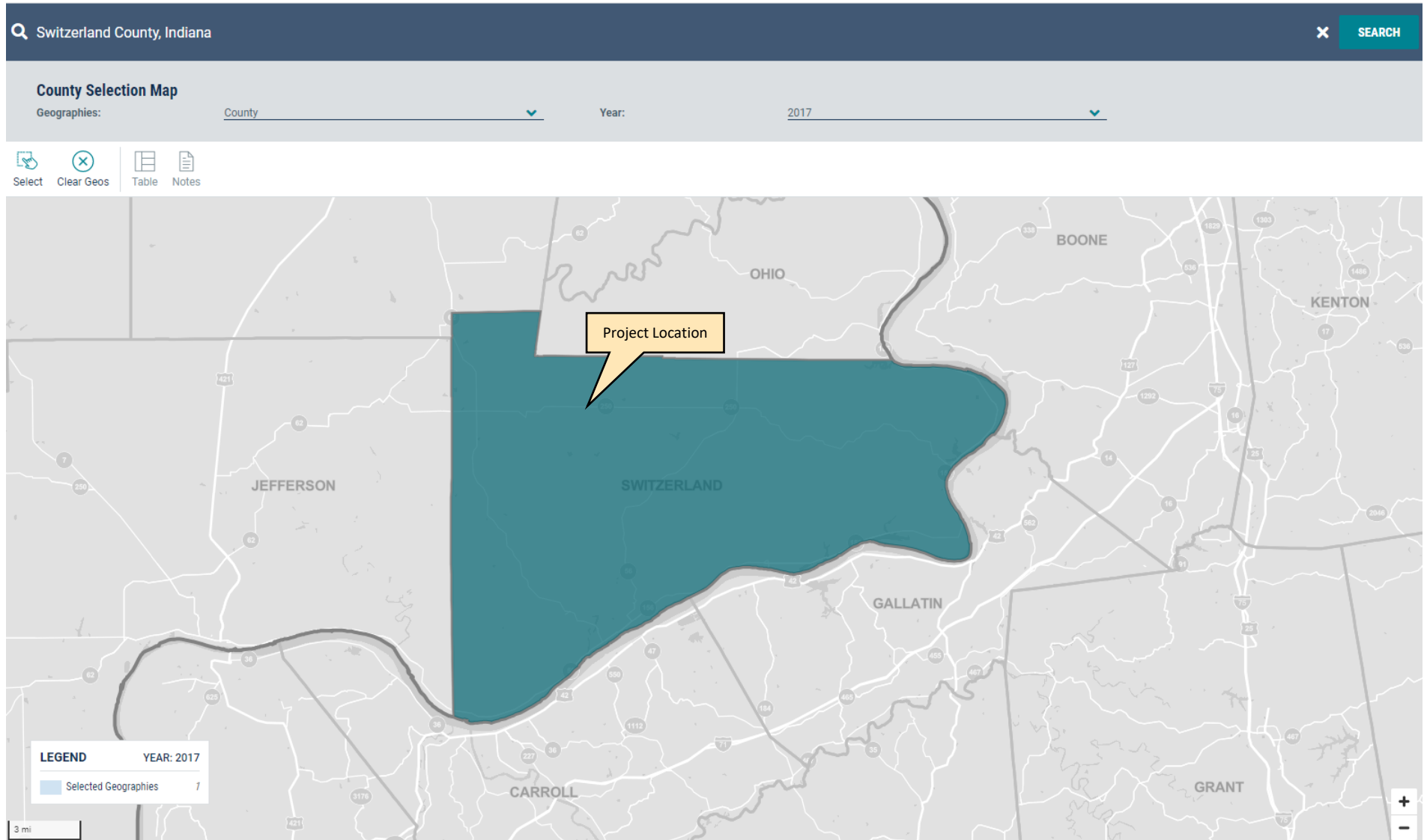
Additional Studies and Information

Land and Water Conservation Fund (LWCF) County Property List for Indiana (Last Updated July 2020)

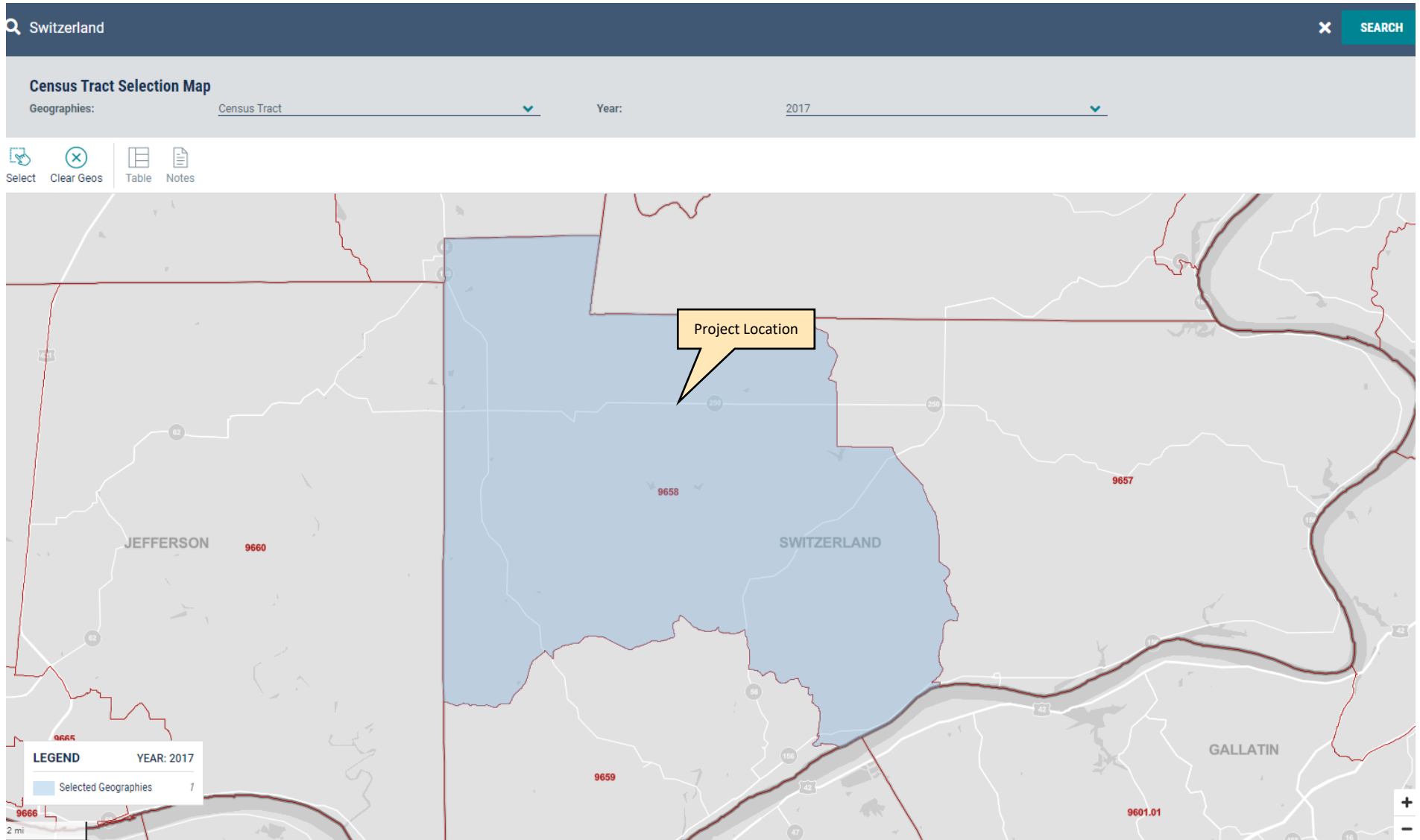
ProjectNumber	SubProjectCode	County	Property
1800451	1800451	Switzerland	Markland Dam Park
1800479	1800479	Switzerland	Paul Olgle Riverfront Park & Vevay Public Access Site

*Park names may have changed. If acquisition of publically owned land or impacts to publically owned land is anticipated, coordination with IDNR, Division of Outdoor Recreation, should occur.

SR 250 over UNT to Bear Creek
Des. No. 1800269
Community of Comparison (COC): Switzerland County



SR 250 over UNT to Bear Creek
Des. No. 1800269
Affected Community (AC): Census Tract 9658



HISPANIC OR LATINO ORIGIN BY RACE		United States Census Bureau
Note: The table shown may have been modified by user selections. Some information may be missing.		
DATA NOTES		
TABLE ID:	B03002	
SURVEY/PROGRAM:	American Community Survey	
VINTAGE:	2017	
DATASET:	ACSDT5Y2017	
PRODUCT:	ACS 5-Year Estimates Detailed Tables	
UNIVERSE:	Total population	
FTP URL:	https://www2.census.gov/programs-surveys/acs/summary_file/2017/data/	
API URL:	https://api.census.gov/data/2017/acs/acs5	
USER SELECTIONS		
GEOS	Switzerland; 9658	
EXCLUDED COLUMNS		
	None	
APPLIED FILTERS		
	None	
APPLIED SORTS		
	None	
WEB ADDRESS		
	https://data.census.gov/cedsci/table?g=0500000US18155_1400000US18155965800&tid=ACSDT5Y2017.B03002&hidePrevious=true	
TABLE NOTES		
	Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Technical Documentation section. Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the Methodology section.	
	Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities, and towns and estimates of housing units for states and counties.	
	<p>Explanation of Symbols:</p> <ul style="list-style-type: none"> * An "***" entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate. * An "-" entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution. * An "-" following a median estimate means the median falls in the lowest interval of an open-ended distribution. * An "+" following a median estimate means the median falls in the upper interval of an open-ended distribution. * An "****" entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate. * An "*****" entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate. * An "N" entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small. * An "(X)" means that the estimate is not applicable or not available. 	
	Estimates of urban and rural populations, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2010 data. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.	
	While the 2013-2017 American Community Survey (ACS) data generally reflect the February 2013 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.	
	Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.	
	Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates	
COLUMN NOTES		
	None	

Table: ACSDT5Y2017.B03002

	COC		AC	
	Switzerland County, Indiana		Census Tract 9658, Switzerland County, Indiana	
Label	Estimate	Margin of Error	Estimate	Margin of Error
Total:	10,617	*****	3,006	±280
Not Hispanic or Latino:	10,469	±83	2,960	±272
White alone	10,157	±18	2,904	±273
Black or African American alone	87	±70	16	±26
American Indian and Alaska Native alone	0	±18	0	±11
Asian alone	50	±46	0	±11
Native Hawaiian and Other Pacific Islander alone	0	±18	0	±11
Some other race alone	0	±18	0	±11
Two or more races:	175	±78	40	±60
Two races including Some other race	0	±18	0	±11
Two races excluding Some other race, and three or more races	175	±78	40	±60
Hispanic or Latino:	148	±83	46	±63
White alone	100	±79	46	±63
Black or African American alone	0	±18	0	±11
American Indian and Alaska Native alone	0	±18	0	±11
Asian alone	0	±18	0	±11
Native Hawaiian and Other Pacific Islander alone	0	±18	0	±11
Some other race alone	48	±58	0	±11
Two or more races:	0	±18	0	±11
Two races including Some other race	0	±18	0	±11
Two races excluding Some other race, and three or more races	0	±18	0	±11


POVERTY STATUS IN THE PAST 12 MONTHS BY SEX BY AGE		
Note: The table shown may have been modified by user selections. Some information may be missing.		
DATA NOTES		
TABLE ID:	B17001	
SURVEY/PROGRAM:	American Community Survey	
VINTAGE:	2017	
DATASET:	ACSDT5Y2017	
PRODUCT:	ACS 5-Year Estimates Detailed Tables	
UNIVERSE:	Population for whom poverty status is determined	
FTP URL:	https://www2.census.gov/programs-surveys/acs/summary_file/2017/data/	
API URL:	https://api.census.gov/data/2017/acs/acs5	
USER SELECTIONS		
GEOS	Switzerland County, Indiana; Census Tract 9658, Switzerland County, Indiana	
EXCLUDED COLUMNS		
	None	
APPLIED FILTERS		
	None	
APPLIED SORTS		
	None	
WEB ADDRESS		
	https://data.census.gov/cedsci/table?text=B17001&g=0500000US18155_1400000US18155965800&tid=ACSDT5Y2017.B17001&hidePreview=true	
TABLE NOTES		
	Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Technical Documentation section. Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the Methodology section.	
	Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities, and towns and estimates of housing units for states and counties.	
	<p>Explanation of Symbols:</p> <ul style="list-style-type: none"> * An "***" entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate. * An "-" entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution. * An "-" following a median estimate means the median falls in the lowest interval of an open-ended distribution. * An "+" following a median estimate means the median falls in the upper interval of an open-ended distribution. * An "****" entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate. * An "*****" entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate. * An "N" entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small. * An "(X)" means that the estimate is not applicable or not available. 	
	Estimates of urban and rural populations, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2010 data. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.	
	While the 2013-2017 American Community Survey (ACS) data generally reflect the February 2013 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.	
	Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.	
	Source: U.S. Census Bureau, 2013-2017 American Community Survey 5-Year Estimates	
COLUMN NOTES		
	None	

Table: ACSDT5Y2017.B17001

Label	COC		AC	
	Switzerland County, Indiana		Census Tract 9658, Switzerland County, Indiana	
	Estimate	Margin of Error	Estimate	Margin of Error
Total:	10,470	±59	2,979	±280
Income in the past 12 months below poverty level:	2,065	±461	305	±199
Male:	1,012	±273	132	±105
Under 5 years	141	±88	13	±21
5 years	31	±34	0	±11
6 to 11 years	140	±88	41	±47
12 to 14 years	33	±42	0	±11
15 years	13	±14	0	±11
16 and 17 years	46	±45	0	±11
18 to 24 years	114	±70	0	±11
25 to 34 years	44	±32	0	±11
35 to 44 years	114	±71	24	±30
45 to 54 years	110	±71	11	±13
55 to 64 years	87	±52	0	±11
65 to 74 years	94	±51	21	±23
75 years and over	45	±36	22	±31
Female:	1,053	±234	173	±105
Under 5 years	50	±38	4	±9
5 years	6	±8	0	±11
6 to 11 years	139	±78	36	±49
12 to 14 years	60	±44	0	±11
15 years	39	±36	0	±11
16 and 17 years	12	±20	0	±11
18 to 24 years	117	±63	0	±11
25 to 34 years	169	±67	36	±35
35 to 44 years	64	±40	34	±36
45 to 54 years	167	±81	0	±11
55 to 64 years	66	±38	18	±25
65 to 74 years	69	±37	0	±11
75 years and over	95	±41	45	±41
Income in the past 12 months at or above poverty level:	8,405	±474	2,674	±328
Male:	4,426	±297	1,398	±206
Under 5 years	268	±66	91	±40
5 years	61	±47	41	±43
6 to 11 years	328	±94	45	±43
12 to 14 years	193	±67	94	±60
15 years	82	±46	10	±16
16 and 17 years	118	±53	10	±16
18 to 24 years	285	±70	161	±62
25 to 34 years	502	±35	126	±46
35 to 44 years	546	±94	185	±65
45 to 54 years	669	±79	200	±74
55 to 64 years	623	±51	120	±77
65 to 74 years	447	±70	196	±61
75 years and over	304	±73	119	±79
Female:	3,979	±235	1,276	±183
Under 5 years	247	±43	99	±55
5 years	69	±53	5	±10
6 to 11 years	322	±86	140	±69
12 to 14 years	77	±45	28	±31
15 years	33	±31	8	±14
16 and 17 years	127	±38	42	±37
18 to 24 years	259	±74	50	±43
25 to 34 years	400	±67	109	±49
35 to 44 years	548	±55	159	±57
45 to 54 years	588	±77	217	±72
55 to 64 years	594	±38	139	±70
65 to 74 years	460	±45	198	±51
75 years and over	255	±60	82	±41

Figure 1: Analysis of Census Tract in Pleasant Township, Switzerland County, Indiana

	COC	AC
	Switzerland County, Indiana	Census Tract 9658, Switzerland County, Indiana

LOW-INCOME

B17001001	Population for whom poverty status is determined: Total	10,470	2,979
B17001002	Population for whom poverty status is determined: Income in past 12 months below poverty level	2,065	305

Percent Low-Income	19.7%	10.2%
125 Percent of COC	24.7%	AC < 125% COC
Potential Low-Income EJ Impact?		No

MINORITY

B03002001	Total population: Total	10,617	3,006
B03002002	Total population: Not Hispanic or Latino	10,469	2,960
B03002003	Total population: Not Hispanic or Latino; White alone	10,157	2,904
B03002004	Total population: Not Hispanic or Latino; Black or African American alone	87	16
B03002005	Total population: Not Hispanic or Latino; American Indian and Alaska Native alone	0	0
B03002006	Total population: Not Hispanic or Latino; Asian alone	50	0
B03002007	Total population: Not Hispanic or Latino; Native Hawaiian and Other Pacific Islander alone	0	0
B03002008	Total population: Not Hispanic or Latino; Some other race alone	0	0
B03002009	Total population: Not Hispanic or Latino; Two or more races	175	40
B03002010	Total population: Hispanic or Latino	148	46
B03002011	Total population: Hispanic or Latino; White alone	100	46
B03002012	Total population: Hispanic or Latino; Black or African American alone	0	0
B03002013	Total population: Hispanic or Latino; American Indian and Alaska Native alone	0	0
B03002014	Total population: Hispanic or Latino; Asian alone	0	0
B03002015	Total population: Hispanic or Latino; Native Hawaiian and Other Pacific Islander alone	0	0
B03002016	Total population: Hispanic or Latino; Some other race alone	48	0
B03002017	Total population: Hispanic or Latino; Two or more races	0	0

Number Non-white/minority	460	102
Percent Non-white/minority	4.3%	3.4%
125 Percent of COC	5.4%	AC < 125% COC
Potential Minority EJ Impact?		No