



15. Looking west along County Line Road from Mount Pleasant East Street



16. Looking southeast towards the CR 500 West and County Line Road intersection





17. Looking south along Mount Pleasant East Street



18. Looking north along Mount Pleasant East Street towards County Line Road





19. Looking northwest at County Line Road approach to CR 500 West



20. Looking northeast at CR 500 West approach to County Line Road





21. Looking east at intersection of CR 500 West and County Line Road



22. Looking north towards County Line Road from CR 500 West





23. Looking south along CR 500 West



24. Looking north at Pleasant Run Creek





25. Looking southwest at roadside slope and riprap of bridge over Pleasant Run Creek



26. Looking east at Pleasant Run Creek





27. Looking west from under bridge over Pleasant Run Creek



28. Looking west downstream Pleasant Run Creek from Morgantown Road Bridge





29. Looking east at wildlife crossing under Morgantown Road Bridge



30. Looking northwest downstream Pleasant Run Creek





31. Looking south along Morgantown Road



32. Looking north along Morgantown Road from bridge





33. Looking east upstream Pleasant Run Creek from Morgantown Road Bridge



34. Looking east at Pleasant Run Creek under bridge





35. Looking east at log jam on Pleasant Run Creek upstream of bridge



36. Looking west downstream Pleasant Run Creek from east of Morgantown Road





37. Looking east upstream along Pleasant Run Creek



38. Looking south along UNT 1 to Pleasant Run Creek





39. Looking south at CMP under County Line Road at the head of UNT 1 to Pleasant Run Creek



40. Looking west at culvert north of County Line Road





41. Looking east at rip rap roadside ditch to drive culvert draining to UNT 1 to Pleasant Run Creek



42. Looking southeast to upstream end of culvert draining to UNT 1 to Pleasant Run Creek





43. Looking west to culvert to UNT 1 to Pleasant Run Creek on south side of County Line Road



44. Looking south to Pond 1





45. Looking northeast from hill east of Pond 1 towards field



46. Looking east from adjacent to Pond 1 south of County Line Road





47. Looking south at outfall of Pond 1 to Pleasant Run Creek



48. Looking northwest downstream towards County Line Road





49. Looking southeast upstream along Pleasant Run Creek

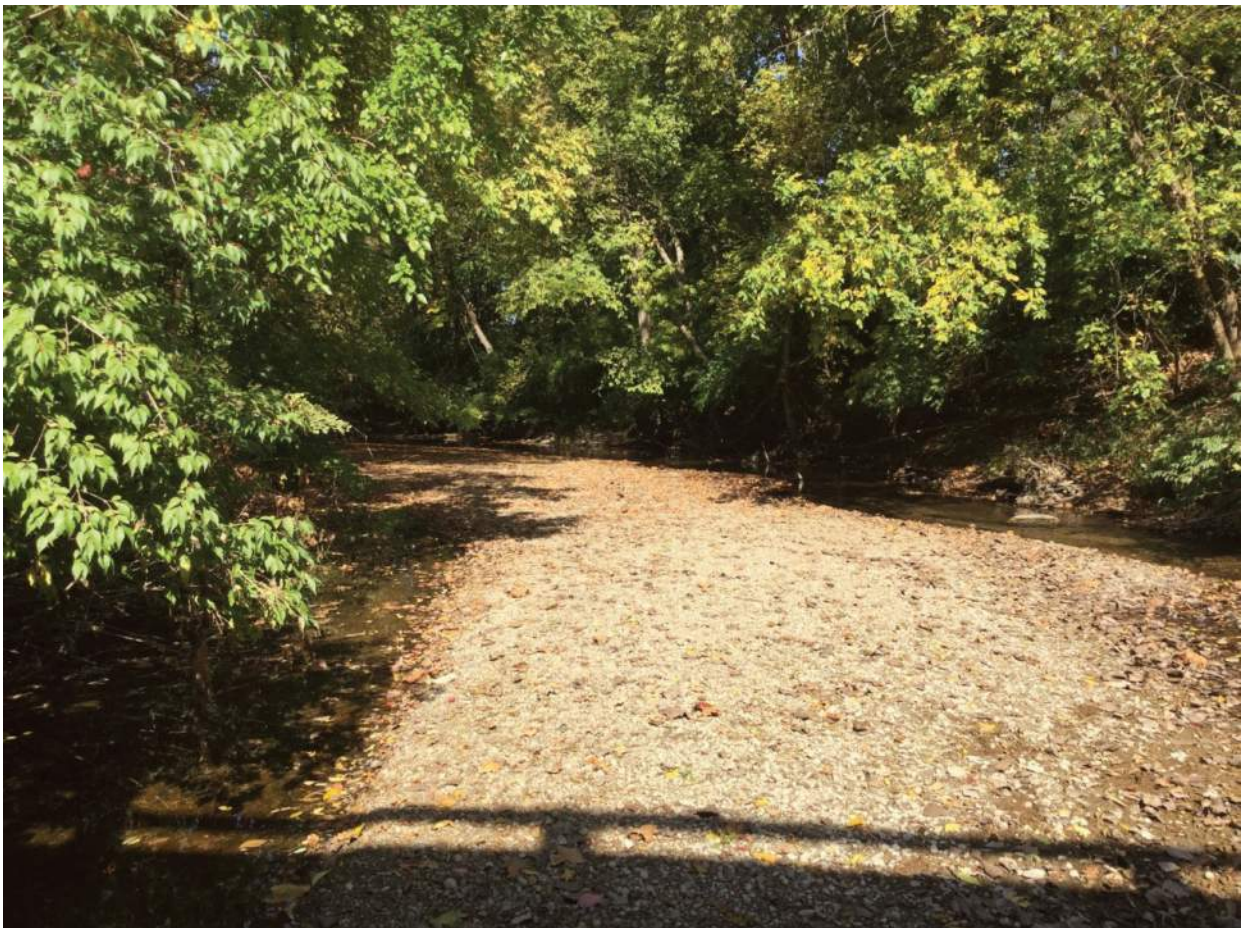


50. Looking south upstream Pleasant Run Creek from bridge





51. Looking northwest at west bank of Pleasant Run Creek and bridge



52. Looking north downstream Pleasant Run Creek



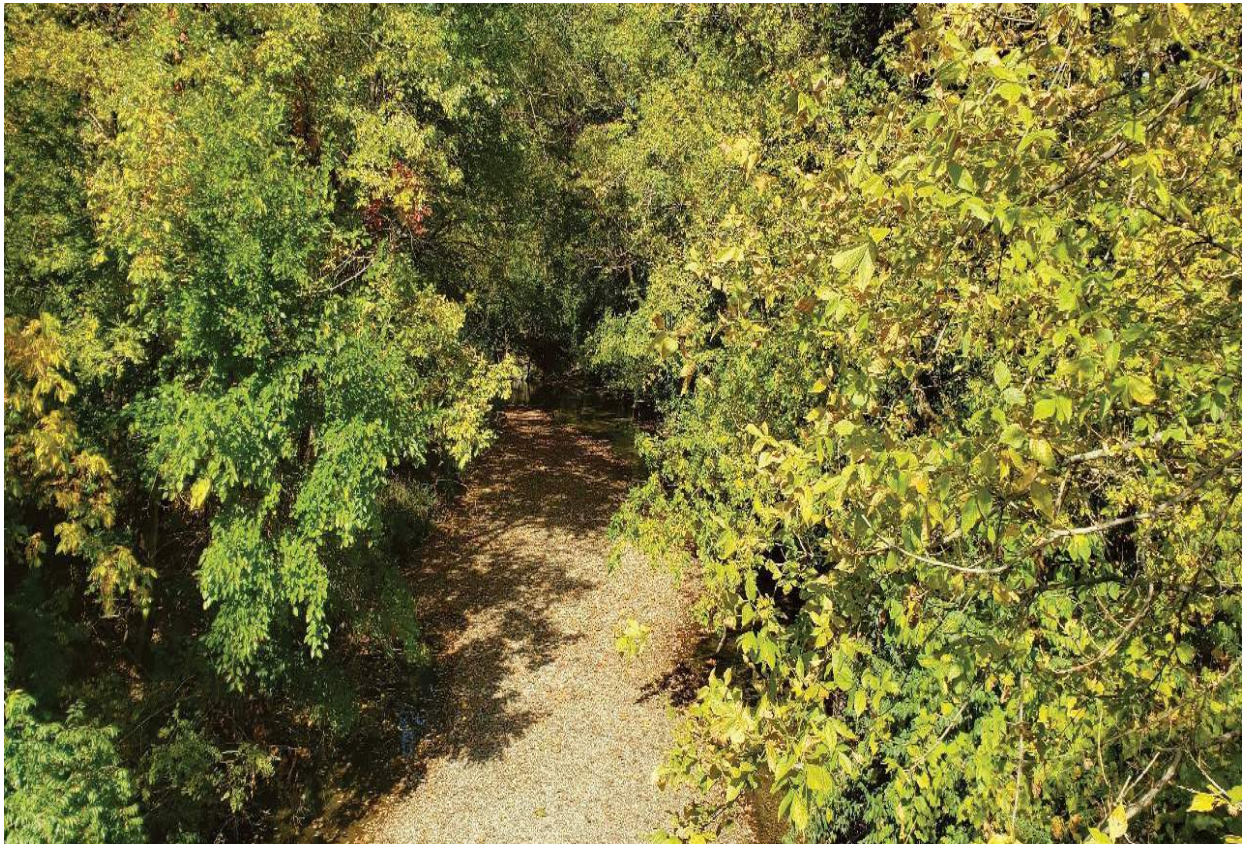


53. Looking south upstream Pleasant Run Creek



54. Looking northeast towards east bank of Pleasant Run Creek and roadside slope





55. Looking north downstream Pleasant Run Creek from County Line Road bridge



56. Looking south to bridge from Pleasant Run Creek



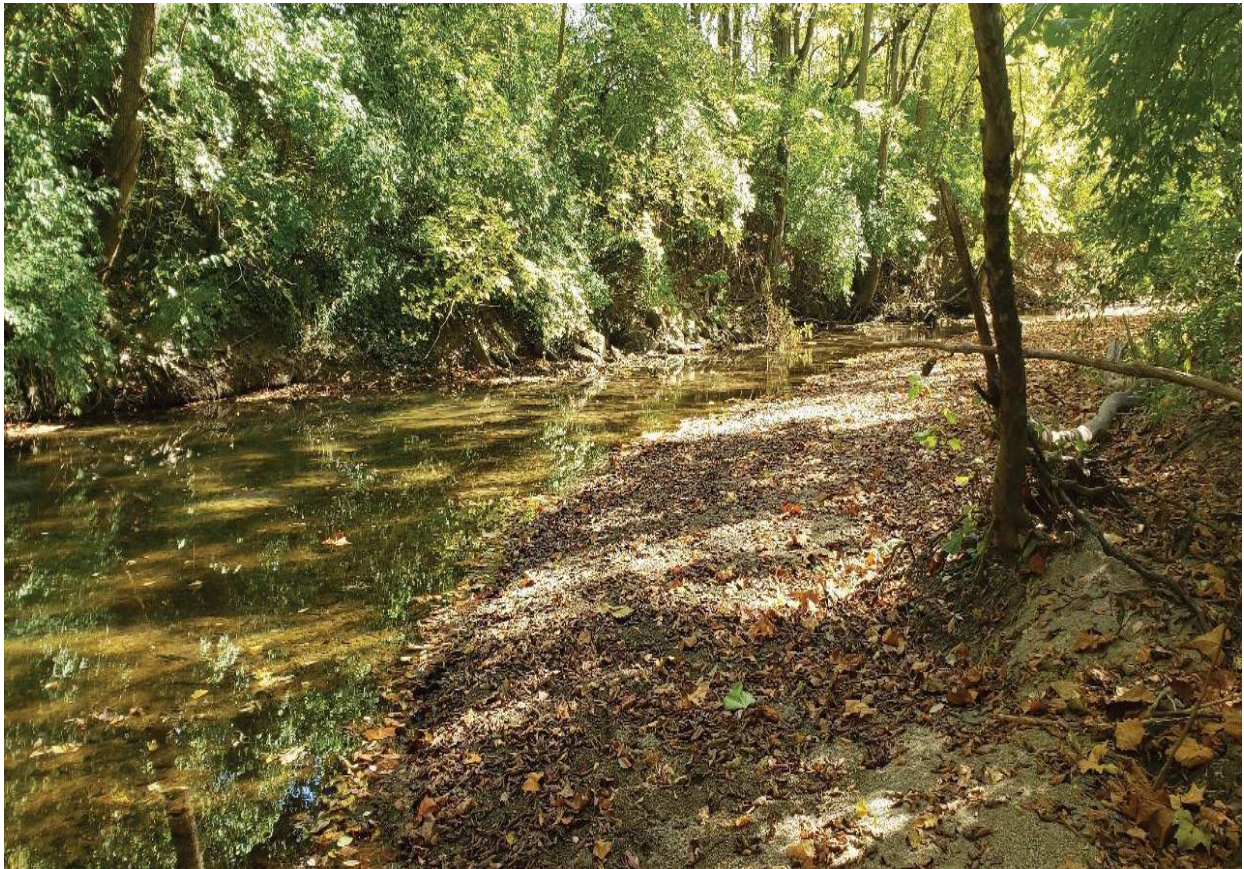


57. Looking north downstream Pleasant Run Creek



58. Looking west downstream Pleasant Run Creek





59. Looking southeast upstream along Pleasant Run Creek to bend



60. Looking south from bank of Pleasant Run Creek



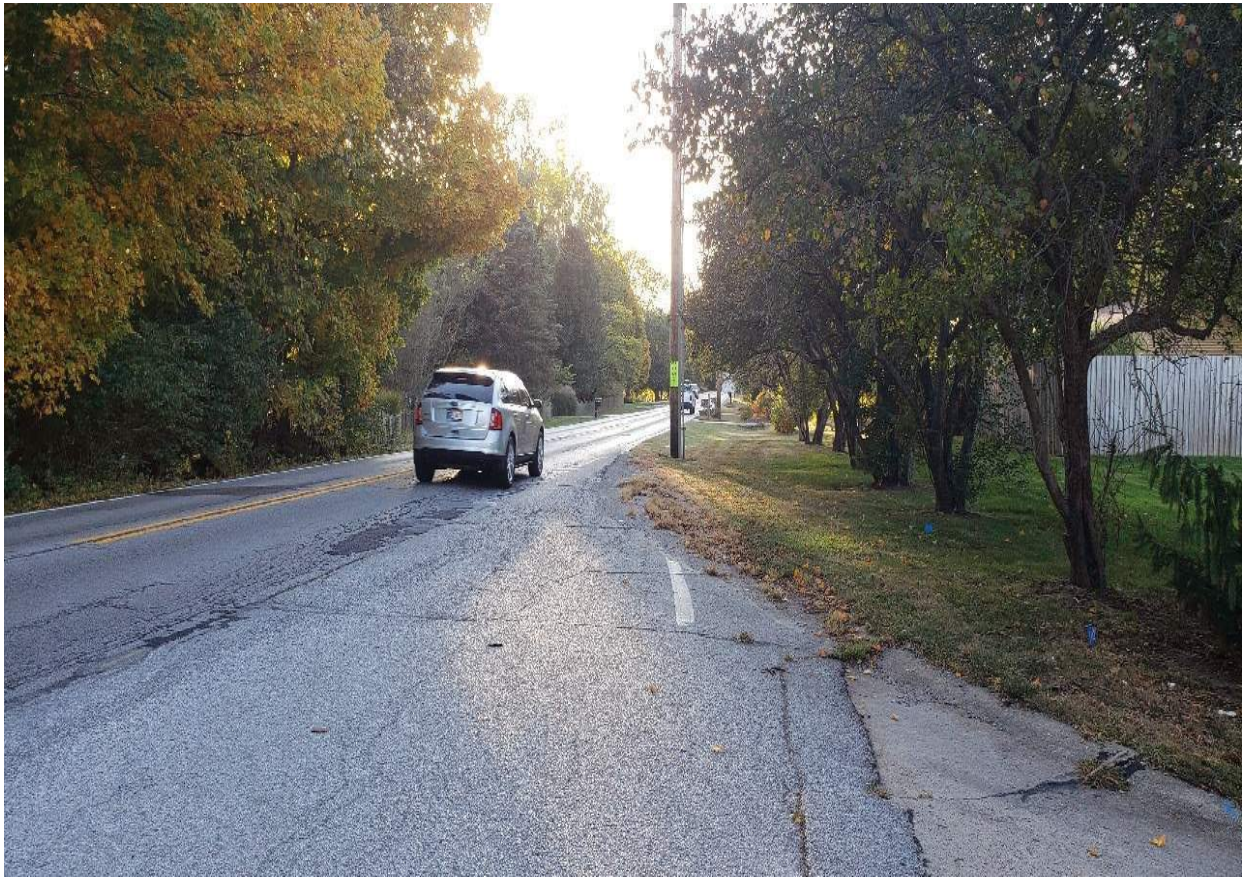


61. Looking west at drive culvert



62. Looking west at nest under County Line Road bridge over Pleasant Run Creek





63. Looking west from Rocky Ridge Road



64. Looking east from Rocky Ridge Road





65. Looking west from Winter Brook



66. Looking east from Winter Brook





67. Looking west from Clubhouse Drive along County Line Road



68. Looking east along concrete lined roadside drainage from intersection of Clubhouse Ct. with County Line Road





69. Looking east along County Line Road over Buffalo Creek

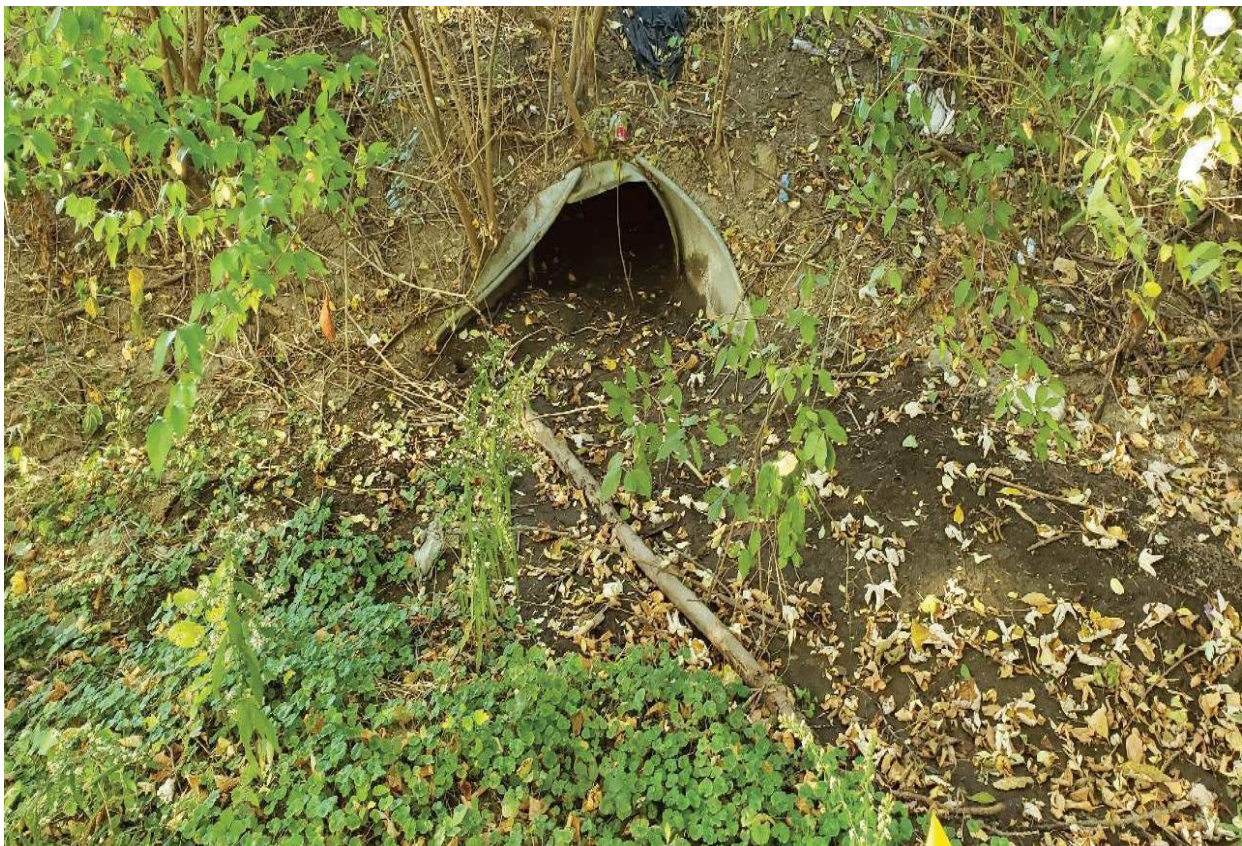


70. Looking west at concrete ditch and culvert entrance





71. Looking east at concrete ditch to culvert



72. Looking north at culvert under County Line Road at head of RSD 1 to Buffalo Creek





73. Looking east down RSD 1 to Buffalo Creek



74. Looking west along RSD 1 to Buffalo Creek





75. Looking north upstream along Buffalo Creek from bridge



76. Looking west at inlet drainage to Buffalo Creek





77. Looking west towards Buffalo Creek



78. Looking east at inlet drainage to Buffalo Creek





79. Looking east along ditch to Buffalo Creek



80. Looking southwest downstream along Buffalo Creek towards end of riprap bed stabilization





81. Looking northeast upstream Buffalo Creek from riprap bed stabilization



82. Looking west along roadside draining to Buffalo Creek





83. Looking east downslope at Buffalo Creek



84. Looking west to pipe outfall to Buffalo Creek





85. Looking northeast along Buffalo Creek upstream from County Line Road bridge



86. Looking northwest at Buffalo Creek from UNT 1 to Buffalo Creek





87. Looking west down Buffalo Creek from the outfall of UNT 1 to Buffalo Creek



88. Looking northwest to pipeline on north side of County Line Road





89. Looking north into Wetland A



90. Looking west at Wetland A





91. Looking east at concrete roadside drainage



92. Looking west along concrete roadside drainage





93. Looking east along concrete lined roadside ditch



94. Looking north at UNT 2 to Buffalo Creek where it leaves the investigated area





95. Looking northwest towards two culverts draining to UNT 2 to Buffalo Creek



96. Looking north at Pond 2





97. Looking west along County Line Road



98. Looking northwest to emergency overflow from Pond 2





99. Looking south to outfall from Pond 2



100. Looking west at drive culvert





101. Looking east from roadside at drainage structure

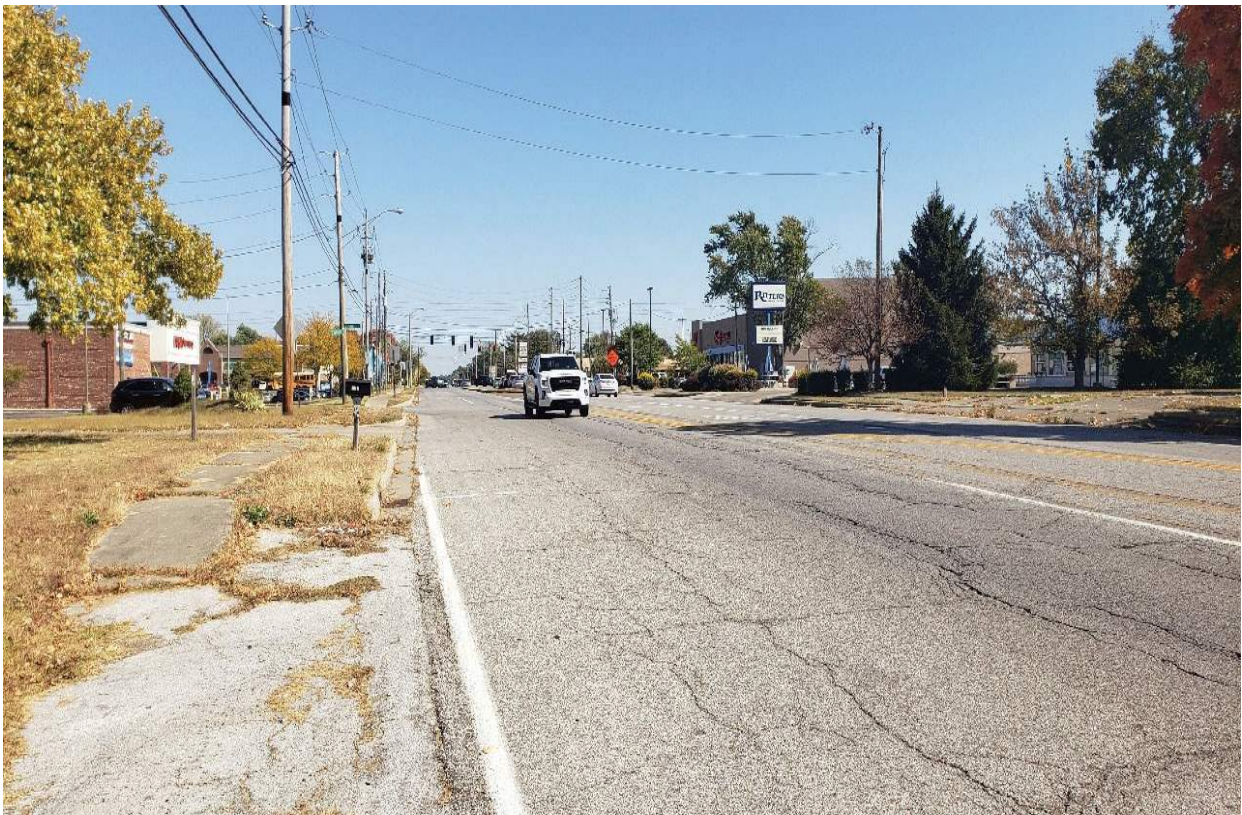


102. Looking west along County Line Road ditch on southside from Greenwood Meadows





103. Looking west along County Line Road from Greenwood Meadows



104. Looking east along County Line Road toward State Road 135



# WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: County Line Road City/County: Marion Sampling Date: 10/7/2020  
 Applicant/Owner: INDOT State: IN Sampling Point: AW1  
 Investigator(s): C. Meador, S. Anton, S. Jeffries Section, Township, Range: Sect. 23, T14N, R3E  
 Landform (hillside, terrace, etc.): roadside ditch Local relief (concave, convex, none): concave  
 Slope (%): 0-2 Lat: 39.635087 Long: -86.167011 Datum: D\_NAD\_1983\_2011  
 Soil Map Unit Name: Genesee silt loam NWI classification: none

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No      (If no, explain in Remarks.)  
 Are Vegetation     , Soil     , or Hydrology      significantly disturbed? Are "Normal Circumstances" present? Yes X 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 <u>X</u> No <u>    </u> Hydric Soil Present? Yes <u>X</u> No <u>    </u> Wetland Hydrology Present? Yes <u>X</u> No <u>    </u>	<b>Is the Sampled Area within a Wetland?</b> Yes <u>X</u> No <u>    </u>
Remarks: Wetland A- datapoint was collected within a roadside ditch within a floodplain. Wetland A drains to UNT 1 to Buffalo Creek	

## VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30'</u> )	Absolute % Cover	Dominant Species?	Indicator Status	<b>Dominance Test worksheet:</b> Number of Dominant Species That Are OBL, FACW, or FAC: <u>6</u> (A) Total Number of Dominant Species Across All Strata: <u>6</u> (B) Percent of Dominant Species That Are OBL, FACW, or FAC: <u>100.0%</u> (A/B)																
1. <u>Acer saccharinum</u>	<u>20</u>	<u>Yes</u>	<u>FACW</u>																	
2. <u>Fraxinus pennsylvanica</u>	<u>15</u>	<u>Yes</u>	<u>FACW</u>																	
3. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>																	
4. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>																	
5. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>																	
		<u>35</u>	=Total Cover																	
Sapling/Shrub Stratum (Plot size: <u>15'</u> )				<b>Prevalence Index worksheet:</b> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Total % Cover of:</td> <td style="width: 50%;">Multiply by:</td> </tr> <tr> <td>OBL species <u>3</u></td> <td>x 1 = <u>3</u></td> </tr> <tr> <td>FACW species <u>127</u></td> <td>x 2 = <u>254</u></td> </tr> <tr> <td>FAC species <u>52</u></td> <td>x 3 = <u>156</u></td> </tr> <tr> <td>FACU species <u>10</u></td> <td>x 4 = <u>40</u></td> </tr> <tr> <td>UPL species <u>0</u></td> <td>x 5 = <u>0</u></td> </tr> <tr> <td>Column Totals: <u>192</u> (A)</td> <td><u>453</u> (B)</td> </tr> <tr> <td colspan="2">Prevalence Index = B/A = <u>2.36</u></td> </tr> </table>	Total % Cover of:	Multiply by:	OBL species <u>3</u>	x 1 = <u>3</u>	FACW species <u>127</u>	x 2 = <u>254</u>	FAC species <u>52</u>	x 3 = <u>156</u>	FACU species <u>10</u>	x 4 = <u>40</u>	UPL species <u>0</u>	x 5 = <u>0</u>	Column Totals: <u>192</u> (A)	<u>453</u> (B)	Prevalence Index = B/A = <u>2.36</u>	
Total % Cover of:	Multiply by:																			
OBL species <u>3</u>	x 1 = <u>3</u>																			
FACW species <u>127</u>	x 2 = <u>254</u>																			
FAC species <u>52</u>	x 3 = <u>156</u>																			
FACU species <u>10</u>	x 4 = <u>40</u>																			
UPL species <u>0</u>	x 5 = <u>0</u>																			
Column Totals: <u>192</u> (A)	<u>453</u> (B)																			
Prevalence Index = B/A = <u>2.36</u>																				
1. <u>Cornus racemosa</u>	<u>15</u>	<u>Yes</u>	<u>FAC</u>																	
2. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>																	
3. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>																	
4. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>																	
5. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>																	
		<u>15</u>	=Total Cover																	
Herb Stratum (Plot size: <u>5'</u> )				<b>Hydrophytic Vegetation Indicators:</b> <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>X</u> <u>2</u> - Dominance Test is >50% <u>X</u> <u>3</u> - Prevalence Index is ≤3.0 <sup>1</sup> <u>    </u> <u>4</u> - Morphological Adaptations <sup>1</sup> (Provide supporting data in Remarks or on a separate sheet) <u>    </u> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.																
1. <u>Phragmites australis</u>	<u>60</u>	<u>Yes</u>	<u>FACW</u>																	
2. <u>Impatiens capensis</u>	<u>30</u>	<u>Yes</u>	<u>FACW</u>																	
3. <u>Symphyotrichum lanceolatum</u>	<u>30</u>	<u>Yes</u>	<u>FAC</u>																	
4. <u>Symphyotrichum pilosum</u>	<u>10</u>	<u>No</u>	<u>FACU</u>																	
5. <u>Eupatorium perfoliatum</u>	<u>3</u>	<u>No</u>	<u>OBL</u>																	
6. <u>Toxicodendron radicans</u>	<u>3</u>	<u>No</u>	<u>FAC</u>																	
7. <u>Elymus riparius</u>	<u>2</u>	<u>No</u>	<u>FACW</u>																	
8. <u>Equisetum arvense</u>	<u>2</u>	<u>No</u>	<u>FAC</u>																	
9. <u>Geum canadense</u>	<u>2</u>	<u>No</u>	<u>FAC</u>																	
10. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>																	
		<u>142</u>	=Total Cover																	
Woody Vine Stratum (Plot size: <u>    </u> )				<b>Hydrophytic Vegetation Present?</b> Yes <u>X</u> No <u>    </u>																
1. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>																	
2. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>																	
		<u>    </u>	=Total Cover																	
Remarks: (Include photo numbers here or on a separate sheet.) Hydrophytic vegetation was noted at this data point.																				



## SOIL

Sampling Point: AW1

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 <sup>1</sup>	Loc <sup>2</sup>		
0-8	10YR 2/2	100					Mucky Loam/Clay	
8-20	10YR 4/1	100					Loamy/Clayey	

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

Hydric Soil Indicators:	Indicators for Problematic Hydric Soils <sup>3</sup> :
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Coast Prairie Redox (A16)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Iron-Manganese Masses (F12)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Red Parent Material (F21)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Very Shallow Dark Surface (F22)
<input type="checkbox"/> Stratified Layers (A5)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> 2 cm Muck (A10)	
<input type="checkbox"/> Depleted Below Dark Surface (A11)	
<input type="checkbox"/> Thick Dark Surface (A12)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	
<input type="checkbox"/> 5 cm Mucky Peat or Peat (S3)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	
<input type="checkbox"/> Sandy Redox (S5)	
<input type="checkbox"/> Stripped Matrix (S6)	
<input type="checkbox"/> Dark Surface (S7)	
<input checked="" type="checkbox"/> Loamy Mucky Mineral (F1)	
<input type="checkbox"/> Loamy Gleyed Matrix (F2)	
<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Redox Depressions (F8)	

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

<b>Restrictive Layer (if observed):</b> Type: _____ Depth (inches): _____	<b>Hydric Soil Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
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Remarks:  
Hydric soils were noted at this data point.

## HYDROLOGY

Wetland Hydrology Indicators:			
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		<u>Secondary Indicators (minimum of two required)</u>	
<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 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 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)		

<b>Field Observations:</b> Surface Water Present?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Water Table Present?    Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): _____ Saturation Present?    Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Depth (inches): <u>1</u> (includes capillary fringe)	<b>Wetland Hydrology Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
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Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:  
Saturated soils were present in this data point.





Data Point AW1



Soil Profile: Data Point AW1



# WETLAND DETERMINATION DATA FORM – Midwest Region

Project/Site: County Line Road City/County: Marion Sampling Date: 10/7/2020  
 Applicant/Owner: INDOT State: IN Sampling Point: AD1  
 Investigator(s): C. Meador, S. Anton, S. Jeffries Section, Township, Range: Sect. 23, T14N, R3E  
 Landform (hillside, terrace, etc.): roadside slope Local relief (concave, convex, none): convex  
 Slope (%): 0-2 Lat: 39.635115 Long: -86.167073 Datum: D\_NAD\_1983\_2011  
 Soil Map Unit Name: Genesee silt loam NWI classification: none

Are climatic / hydrologic conditions on the site typical for this time of year? Yes X No      (If no, explain in Remarks.)  
 Are Vegetation     , Soil     , or Hydrology      significantly disturbed? Are "Normal Circumstances" present? Yes X 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 <u>X</u> No <u>    </u>	Is the Sampled Area within a Wetland? Yes <u>    </u> No <u>X</u>
Hydric Soil Present? Yes <u>    </u> No <u>X</u>	
Wetland Hydrology Present? Yes <u>    </u> No <u>X</u>	
Remarks: Wetland A - upland point	

## VEGETATION – Use scientific names of plants.

Tree Stratum (Plot size: <u>30'</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Acer saccharinum</u>	<u>20</u>	<u>Yes</u>	<u>FACW</u>
2. <u>Fraxinus pennsylvanica</u>	<u>15</u>	<u>Yes</u>	<u>FACW</u>
3. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
4. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
5. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
	<u>35</u> =Total Cover		
Sapling/Shrub Stratum (Plot size: <u>15'</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Cornus racemosa</u>	<u>10</u>	<u>Yes</u>	<u>FAC</u>
2. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
3. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
4. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
5. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
	<u>10</u> =Total Cover		
Herb Stratum (Plot size: <u>5'</u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>Lonicera japonica</u>	<u>40</u>	<u>Yes</u>	<u>FACU</u>
2. <u>Solidago altissima</u>	<u>40</u>	<u>Yes</u>	<u>FACU</u>
3. <u>Festuca rubra</u>	<u>30</u>	<u>No</u>	<u>FACU</u>
4. <u>Poa pratensis</u>	<u>30</u>	<u>No</u>	<u>FAC</u>
5. <u>Symphyotrichum novae-angliae</u>	<u>10</u>	<u>No</u>	<u>FACW</u>
6. <u>Rudbeckia laciniata</u>	<u>2</u>	<u>No</u>	<u>FACW</u>
7. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
8. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
9. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
10. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
	<u>152</u> =Total Cover		
Woody Vine Stratum (Plot size: <u>    </u> )	Absolute % Cover	Dominant Species?	Indicator Status
1. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
2. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>
	<u>    </u> =Total Cover		

**Dominance Test worksheet:**

Number of Dominant Species That Are OBL, FACW, or FAC: 3 (A)

Total Number of Dominant Species Across All Strata: 5 (B)

Percent of Dominant Species That Are OBL, FACW, or FAC: 60.0% (A/B)

**Prevalence Index worksheet:**

Total % Cover of:	Multiply by:
OBL species <u>0</u>	x 1 = <u>0</u>
FACW species <u>47</u>	x 2 = <u>94</u>
FAC species <u>40</u>	x 3 = <u>120</u>
FACU species <u>110</u>	x 4 = <u>440</u>
UPL species <u>0</u>	x 5 = <u>0</u>
Column Totals: <u>197</u> (A)	<u>654</u> (B)
Prevalence Index = B/A = <u>3.32</u>	

**Hydrophytic Vegetation Indicators:**

     1 - Rapid Test for Hydrophytic Vegetation

X 2 - Dominance Test is >50%

     3 - Prevalence Index is ≤3.0<sup>1</sup>

     4 - Morphological Adaptations<sup>1</sup> (Provide supporting data in Remarks or on a separate sheet)

     Problematic Hydrophytic Vegetation<sup>1</sup> (Explain)

<sup>1</sup>Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.

**Hydrophytic Vegetation Present?** Yes X No

Remarks: (Include photo numbers here or on a separate sheet.)  
 Hydrophytic vegetation typical of a floodway was noted.



## SOIL

Sampling Point: AD1

[illegible]

## 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 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)		
<b>Field Observations:</b>			
Surface Water Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <input type="text"/>	<b>Wetland Hydrology Present?</b> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <input type="text"/>		
Saturation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Depth (inches): <input type="text"/>		
(includes capillary fringe)			
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			
The excavated UNT provides sufficient drainage that no primary indicators of wetland hydrology were noted.			





Data Point AD1



Soil Profile: Data Point AD1



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

**BACKGROUND INFORMATION**

**A. REPORT COMPLETION DATE FOR PJD:**

**B. NAME AND ADDRESS OF PERSON REQUESTING PJD:**

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

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

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

State: County/parish/borough: City:

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

Lat.: Long.:

Universal Transverse Mercator:

Name of nearest waterbody:

**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>



- 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: \_\_\_\_\_.

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: \_\_\_\_\_.

☐ Natural Resources Conservation Service Soil Survey. Citation: \_\_\_\_\_.

☐ National wetlands inventory map(s). Cite name: \_\_\_\_\_.

☐ State/local wetland inventory map(s): \_\_\_\_\_.

☐ FEMA/FIRM maps: \_\_\_\_\_.

☐ 100-year Floodplain Elevation is: \_\_\_\_\_.(National Geodetic Vertical Datum of 1929)

☐ Photographs: Aerial (Name & Date): \_\_\_\_\_.

or Other (Name & Date): \_\_\_\_\_.

☐ 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



10/23/2020

\_\_\_\_\_  
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.