

Final Report

For:

2017-2018

**Upper Buffalo Creek
Culvert Assessments**

By:

**Erie County Soil & Water
Conservation District**



Assessment Dates:

May 15, 2017 - August 3, 2018

Erie Co. Soil & Water Conservation District
2017-2018 Upper Buffalo Creek Culvert Assessments
5/15/17-8/3/2018

Assessments completed as of 8/3/2018: 153 of 150

Trainings:

Online Protocol Training completed by: District Field Manager Mark Gaston,
Water Quality Technician Kevin Preischel,
Water Quality Technician James Sroka,
District Intern Rebecca Mann,
District Intern Alyssa Hessler,
District Intern Scott Kamysz

In Field/Shadow Training completed by: District Field Manager Mark Gaston,
Water Quality Technician Kevin Preischel,
Water Quality Technician James Sroka,
District Intern Rebecca Mann

Narrative:

The Erie County Soil and Water Conservation District has completed the assessment of 153 culvert crossings within the Upper Buffalo Creek Watersheds located within Erie County. The majority of the assessments were completed by Water Quality Technician Kevin Preischel, with assistance from District Interns, Alyssa Hessler and Rebecca Mann. Four sub-watersheds were evaluated to the fullest extent possible taking into account access issues (private property) and safety concerns (steep embankments and high traffic areas). Each crossing was assessed using the Aquatic Connectivity Stream Crossing Survey Data Form, as well as the Culvert Condition Assessment Data Forms. Throughout the project a common issue that occurred was inaccuracy with the NAACC Database Map. The location of culvert crossings in the field would not match the location of crossings on the database map; however this issue was typically resolved quickly in the field with further investigation. The biggest lesson learned throughout this process was that proper planning and reconnaissance in-office was key to accurate and efficient assessments in the field. A number of pictures have been included in this report showing in field evaluations that may be good for education and outreach.

NAACC Database Report: Attached

Expenditures:

Budget Category	State Requested	Match	Total Cost	Narrative
Personal Services				
M Gaston	1144		1,144	22 hours x \$52
J Sroka	350		350	10 hours x \$35
K Preischel	4,065.21	2,409.79	6,475	185 hours x \$35
overhead		1,085	1,085	217 hours X \$5
A Hessler (paid intern)	828		828	69 hours x \$12
Scott (volunteer intern)		210	210	21 hrs @\$10
Becca (volunteer intern)		155	155	15.5 hrs @\$10
Equipment	3,129.17		3,129.17	Computers(2258.00), waders(130.43), boots(154.40), measuring tape & wheel(153.95), pocket level rod an& hand level(75.59), survey tape(103.98), GPS(98.82), camera(154.00)
Travel	483.62		483.62	895.6 miles @ \$0.54/mile
Totals	10,000	3,859.79	13,859.79	

Pictures:



