

Instructions: Bold fields must be completed.

Station Summary						
Waterbody Name DEER CREEK			Waterbody ID Code 2893600		Sample ID (YYYYMMDD-CY-FD) 20171012-02-05	
Sampling Location Upstream STH 13					Database Key 149272310	
SWIMS Station ID 10048787		SWIMS Station Name DEER CREEK 430M UPSTREAM OF CONFLUENCE WITH WHITE RIVER				
Latitude 46.51260	Longitude -90.84268		Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83	
Basin (WMU) LAKE SUPERIOR			Watershed Name WHITE RIVER		County ASHLAND	
Sample and Site Descriptors						
Sample Collector (Last Name, First) JOSEPH CUNNINGHAM				Project Name NORTH DISTRICT NC STREAM STRATIFIED SITES 2017		
Sampling Device						
<input checked="" type="checkbox"/> D-Frame Kick Net <input type="checkbox"/> Surber Sampler <input type="checkbox"/> Eckman <input type="checkbox"/> Ponar <input type="checkbox"/> Artificial Substrate <input type="checkbox"/> Hess Sampler <input type="checkbox"/> Other: _____						
Habitat Sampled						
<input checked="" type="checkbox"/> Riffle <input type="checkbox"/> Run <input type="checkbox"/> Pool <input type="checkbox"/> Other <input type="checkbox"/> Shoreline Composite <input type="checkbox"/> Proportionally-Sampled Habitat <input type="checkbox"/> Littoral Zone <input type="checkbox"/> Profundal Zone <input type="checkbox"/> Wetland						
Total Sampling Time (min) 1 m	Estimated Area Sampled (m ²) 2 m ²		Number of Samples in Composite 4-15 second KICKS		Replicate No. _____ of _____	
Reason For Sampling						
<input type="checkbox"/> Least Impacted Reference <input type="checkbox"/> Baseline <input type="checkbox"/> Impact / Treatment Site <input type="checkbox"/> Control Site <input type="checkbox"/> Trend <input type="checkbox"/> Other: <u>Natural Community Stratified</u>						
Water Temp. (C) 9.6	D.O. (mg/l) 10.9	D.O. (% sat.) 95.6	pH (su) 7.6	Conductivity (umhos/cm) 284		Transparency (cm) 7120
Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained			Estimated Stream Velocity (m/s) <input type="checkbox"/> Slow (< 0.15 m/s) <input checked="" type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)			
Measured Velocity 0.3		circle units m/s or f/s	Average Stream Depth of reach (m) 0.3 m		Average Stream Width of reach (m) 3.5 m	
Composition of Substrate Sampled (Percent):						
Bedrock: _____		Boulders (basketball or larger): _____	Rubble (tennisball to basketball): _____		Gravel (ladybug to tennisball): 80	
Sand: 20		Clay: _____	Silt/Muck: _____		Overhanging Vegetation: _____	
Aquatic Macrophytes: _____		Leaf Snags: _____	Coarse Woody Debris: _____		Other (____): _____	
Embeddedness of Substrate at Sample Site (%) 0%			Canopy Cover at Sample Site (%) 50%			

Stream and Watershed Descriptors

N = Not a problem
 U = Uncertain
 PL = Present, Low Impact
 PH = Present, High Impact

Factors that may be influencing Water Resource Integrity			Factors that may be influencing Water Resource Integrity		
	Local	Water-shed		Local	Water-shed
Biological			Chemical		
Algae: - Diatoms / Periphyton			Chlorine		
- Filamentous Algae			Dissolved Oxygen		
- Planktonic Algae			Nutrients (P, N...)		
Iron Bacteria	U	U	Toxics: - Inorganic (Metals)		
Macrophytes			- Organic (PCBs, pesticides...)		
Slimes			Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion	PH	PH
			Point Source - Specify:		
			Pasturing of Livestock		
Physical			Runoff: - Barnyard		
Bank Erosion	PH	PH	- Construction		
Channelization: - Upstream			- Cropland		
- Downstream			- Urban		
Hydraulic Scour / Channel Incision			Septic Systems		
Impoundment: - Upstream			Tile Drainage - Organic Soils		
- Downstream			- Mineral Soils		
Low Flow			Springs	U	PL
Sedimentation			Tributary(s)	U	PL
Sludge			Wetland	U	U
Thermal			Other - Specify:		
Turbidity					
Other - Specify:					

Comments

Major flood impacts from 2016, sand dominated, a few gravel areas

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Sam Lamarche</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>9/19/18</i>	Specimens Saved <i>Subsample archived in ABL until Dec 2021</i>	

*A1 C1
 56 98 = 154 total*