

Instructions: Bold fields must be completed.

Station Summary					
Waterbody Name VANCE CREEK @ 290th			Waterbody ID Code 2077100		Sample ID (YYYYMMDD-CY-FD) 20160929-17-03
Sampling Location 1m DS bridge				Database Key 133642060	
SWIMS Station ID 10009320		SWIMS Station Name VANCE CREEK - STATION 1 - 290th			
Latitude 45.205425	Longitude -92.01352		Lat/Long Determination Method (circle) SWIMS SWDV GPS		Datum Used if using GPS WGS84 or NAD83
Basin (WMU) LOWER CHIPPEWA		Watershed Name HAY RIVER		County DUNN	
Sample and Site Descriptors					
Sample Collector (Last Name, First) Raleigh, Mycal			Project Name BIG BEAVER CREEK TWA [SECTION 319] 2016		
Sampling Device					
☒ Kick Net ☐ Surber Sampler ☐ Eckman ☐ Ponar ☐ Artificial Substrate ☐ Hess Sampler ☐ Other: _____					
Habitat Sampled					
☐ Riffle ☒ Run ☐ Pool ☐ Other ☐ Shoreline Composite ☐ Proportionally-Sampled Habitat ☐ Littoral Zone ☐ Profundal Zone ☐ Wetland					
Total Sampling Time (min) 3 min		Estimated Area Sampled (m ²) 2 m ²		Number of Samples in Composite 1	
				Replicate No. 1 of 1	
Reason For Sampling					
☐ Least Impacted Reference ☐ Baseline ☐ Impact / Treatment Site ☐ Control Site ☐ Trend ☐ Other: _____					
Water Temp. (C)	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
Water Color ☒ Clear ☐ Turbid ☐ Stained				Estimated Stream Velocity (m/s) ☐ Slow (< 0.15 m/s) ☒ Moderate (0.15 m/s - 0.5 m/s) ☐ Fast (> 0.5 m/s)	
Measured Velocity circle units m/s or f/s		Average Stream Depth of reach (m) .3		Average Stream Width of reach (m) 3.5 m	
Composition of Substrate Sampled (Percent):					
Bedrock: _____		Boulders (basketball or larger): 40%		Rubble (tennisball to basketball): _____	
Sand: 60%		Clay: _____		Silt/Muck: _____	
Aquatic Macrophytes: _____		Leaf Snags: _____		Coarse Woody Debris: _____	
Other (): _____				Overhanging Vegetation: _____	
Embeddedness of Substrate at Sample Site (%) 0 Canopy Cover at Sample Site (%) 100 %					

Stream and Watershed Descriptors

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

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

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Mckayla Gironholm	Dimick, Jeffrey	67%
Date Processed	Specimens Saved	
1/7/16	Subsample archived in ABC until Apr 2020	

A2: 11 C3: 12 C2: 11 A3: 11 132
B2: 18 E2: 16 B1: 15 37
A1: 12 C1: 19 D1: 11