

Instructions: Bold fields must be completed.

**Station Summary**

Waterbody Name <u>Fenwood Creek</u>		Waterbody ID Code <u>1428700</u>	Sample ID (YYYYMMDD-CY-FD) <u>20161003-37-01</u>
Sampling Location <u>8m US bridge</u>			Database Key 133660460
SWIMS Station ID 10047179		SWIMS Station Name FENWOOD CREEK AT ELDERBERRY STREET	
Latitude 44.9308656	Longitude -90.053224	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU)		Watershed Name	County <u>Marathon</u>

**Sample and Site Descriptors**

Sample Collector (Last Name, First) <u>Raleigh, Mycal</u>	Project Name FENWOOD CREEK MACROINVERTEBRATES
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**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) <u>2 min</u>	Estimated Area Sampled (m <sup>2</sup> ) <u>3</u>	Number of Samples in Composite <u>1</u>	Replicate No. <u>1</u> of <u>1</u>
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**Reason For Sampling**

Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
  Other: \_\_\_\_\_

Water Temp. (°C) <u>57°F</u>	D.O. (mg/l)	D.O. (% sat.)	pH (su)	Conductivity (umhos/cm)	Transparency (cm)
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Water Color <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	Estimated Stream Velocity (m/s) <input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) <u>.3</u>	Average Stream Width of reach (m) <u>3m</u>
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): 10% Gravel (ladybug to tennisball): 40%  
 Sand: 50% Clay: \_\_\_\_\_ Silt/Muck: \_\_\_\_\_ Overhanging Vegetation: \_\_\_\_\_  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: \_\_\_\_\_ Coarse Woody Debris: \_\_\_\_\_ Other ( ): \_\_\_\_\_  
 Embeddedness of Substrate at Sample Site (%) 40% Canopy Cover at Sample Site (%) 0%

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

Comments *Stream has minimal to nearly no flow. DS of bridge pool channel disperses into wetland w/ no discernable channel. Above bridge pool is a visible channel but we were not able to find fast water or flow beyond the absolute minimum.*

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Andrew Kohlmann</i>	Taxonomist <i>Dimick Jeffrey</i>	Estimated Percent of Sample Sorted <i>20%</i>
Date Processed <i>1/18/16</i>	Specimens Saved <i>Subsample archived in ABL until Apr 2020</i>	

*D3-54  
 B1-103  
 E2-136*