

Instructions: Bold fields must be completed.

Station Summary

Waterbody Name KOHLSVILLE RIVER	Waterbody ID Code 865400	Sample ID (YYYYMMDD-CY-FD) 20171026-67-04
Sampling Location		Database Key 150685656

SWIMS Station ID 10022037	SWIMS Station Name KOHLSVILLE RIVER - UPSTREAM OF MIDLAND DRIVE		
Latitude 43.483364	Longitude -88.36181	Lat/Long Determination Method (circle) SWIMS SWDV GPS	Datum Used if using GPS WGS84 or NAD83
Basin (WMU) UPPER ROCK	Watershed Name EAST BRANCH ROCK RIVER	County WASHINGTON	

Sample and Site Descriptors

Sample Collector (Last Name, First) RACHEL SABRE	Project Name SER LONG-TERM TREND WADEABLE REFERENCE STREAMS
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Sampling Device

☒ D-Frame 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) 1 min	Estimated Area Sampled (m ²) 1 m ²	Number of Samples in Composite 1	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) 9.0	D.O. (mg/l) 10.17	D.O. (% sat.) 91.3	pH (su) 7.88	Conductivity (umhos/cm) 823.5	Transparency (cm) 120
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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)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.3m	Average Stream Width of reach (m) 5.1m
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Composition of Substrate Sampled (Percent):

Bedrock: _____	Boulders (basketball or larger): _____	Rubble (tennisball to basketball): <u>20</u>	Gravel (ladybug to tennisball): <u>40</u>
Sand: <u>20</u>	Clay: _____	Silt/Muck: <u>10</u>	Overhanging Vegetation: <u>10</u>
Aquatic Macrophytes: _____	Leaf Snags: _____	Coarse Woody Debris: _____	Other (____): _____

Embeddedness of Substrate at Sample Site (%) <u>20%</u>	Canopy Cover at Sample Site (%) <u>60%</u>
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Kohlsville River @ Midland Dr
Sample # 20171026-67-04
Station # 10022037
Rachel Sabre
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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	Water- shed	Factors that may be influencing Water Resource Integrity	Local	Water- shed
Biological			Chemical		
Algae: - Diatoms / Periphyton			Chlorine		
- Filamentous Algae			Dissolved Oxygen		
- Planktonic Algae			Nutrients (P, N...)		
Iron Bacteria			Toxics: - Inorganic (Metals)		
Macrophytes			- Organic (PCBs, pesticides...)		
Slimes			Other - Specify:		
Other - Specify:			Sources of Stream Impacts		
			Bank Erosion		
			Point Source - Specify:		
			Pasturing of Livestock		
Physical					
Bank Erosion			Runoff: - Barnyard		
Channelization: - Upstream			- Construction		
- Downstream			- Cropland		
Hydraulic Scour / Channel Incision			- Urban		
Impoundment: - Upstream			Septic Systems		
- Downstream			Tile Drainage - Organic Soils		
Low Flow			- Mineral Soils		
Sedimentation			Springs		
Sludge			Tributary(s)		
Thermal			Wetland		
Turbidity			Other - Specify:		
Other - Specify:					

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter <i>Sam Camarache</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>13%</i>
Date Processed <i>10/18/18</i>	Specimens Saved <i>Subsample archived in AAC label Jan 2022</i>	

10 2B
85 82

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Allocaecia</i>	L	1	1	Hils 1995		
<i>Taeniopteryx</i>	L	11	2	"	imm	
<i>Baetis intercalaris</i>	L	1	1	Klub 2016		
<i>Stenonema</i>	L	1	1	"	imm	
<i>Tricorythodes</i>	L	1	1	"		
<i>Calopteryx maculata</i>	L	11	7	West May 1996		
<i>Oreocryptus</i>	L	1	1	"	imm	
<i>Leptophlebiidae</i>	L	1	1	Klub 2016	dam	
<i>Hydropsychidae</i>	L	1	1	Hils 1995	imm	N
<i>Cheumatopsyche</i>	L	x-III	35	"		
<i>Hydropsyche betteni</i>	L	x-III	38	Schm Hils 1986		
<i>Ceratopsyche bronte</i>	L	1	1	"		
<i>C. lassonae</i>	L	11	2	"		
<i>Limnephilidae</i>	L	1	1	Hils 1995	imm	N
<i>Platycentropus amicus</i>	L	1	1	Wigg 1996		
<i>Pycnopsycha</i>	L	1	1	Hils 1995		
<i>Ptilostomis</i>	L	1	1	"		
<i>Optioservus</i>	L	x-III	19	Hils Schm 1992	imm	N
<i>O. fastiditus</i> L, 13 A, 3	L, A	x-1	16	"		
<i>Stenelmis</i>	L	III	4	"		N
<i>S. crenata</i>	A	1	1	"		
<i>Idemorphomyia</i>	L	x-1	11	Cont Merr 2008		
<i>Ephydriidae</i>	P	1	1	Merr Webb 2008		
<i>Simulium vittatum</i> species complex OBUP217	L	1	1	Adl et al 2004		
<i>Antocha</i>	L	11	2	Hils 1995		
<i>Gammarus pseudolimnensis</i>	A	x	10	Hils 1972		
<i>Caecidotea</i>	A	11	2	Will 1972	fem	
<i>Belostomatidae</i>	A	11	2	Hils 1974		
<i>Entomobryidae</i>	A	11	2	Christ Said 2008		
<i>Tubificidae</i> (without hairs)	A	1	5	Klemm 1985		
<i>Ferrissia</i>	A	1	1	Thorp 1992		
Split A3 Chironomidae	L	III-III				
<i>Conchapelopia</i> OB270700	L	11	2	Cran Epi 2013		
<i>Metopelopia</i>	L	1	1	"		
<i>Parametopelopia</i>	L	1	1	Ander + 3 2013		
<i>Rhyacophila robusta</i>	L	1	1	Enger 2001		

23 taxa, TVAL ≤ 2.0

Taxonomist: Dimick, Jeffrey

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[illegible]