

Instructions: Bold fields must be completed.

Station Summary			
Waterbody Name NEPADOGGEN CREEK		Waterbody ID Code 2624500	Sample ID (YYYYMMDD-CY-FD) 20171009-49-01
Sampling Location 3m DS 40th ST. CULVERT		Database Key 149840867	
SWIMS Station ID 10048588		SWIMS Station Name NEPADOGGEN CREEK AT 40TH ST	
Latitude 45,35 334	Longitude -92,24007	Lat/Long Determination Method (circle) SWIMS SWDV <u>GPS</u>	Datum Used if using GPS <u>WGS84</u> or NAD83
Basin (WMU) ST. CROIX		Watershed Name BEAVER BROOK	County POLK

Sample and Site Descriptors	
Sample Collector (Last Name, First) CRAIG P ROESLER, CHANG VANG	Project Name NORTH DISTRICT NC STREAM STRATIFIED SITES 2017

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	Estimated Area Sampled (m ²) 1	Number of Samples in Composite 3	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) 10.7	D.O. (mg/l) 8.8	D.O. (%sat.) 82	pH (su) 8.0	Conductivity (umhos/cm) 145	Transparency (cm) >120
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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 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)
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Measured Velocity circle units m/s or f/s	Average Stream Depth of reach (m) 0.7	Average Stream Width of reach (m) 3
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Composition of Substrate Sampled (Percent):

Bedrock: _____ Boulders (basketball or larger): _____ Rubble (tennisball to basketball): _____ Gravel (ladybug to tennisball): _____
 Sand: _____ Clay: _____ Silt/Muck: _____ Overhanging Vegetation: _____
 Aquatic Macrophytes: 100 Leaf Snags: _____ Coarse Woody Debris: _____ Other (____): _____

Embeddedness of Substrate at Sample Site (%) NA 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	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				Runoff: - Barnyard			
Bank Erosion				- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter <i>Kayla Wilcox</i>	Taxonomist <i>Dimick, Jeffrey</i>	Estimated Percent of Sample Sorted <i>7%</i>
Date Processed <i>6/19/18</i>	Specimens Saved <i>Subsample archived in ABL until Oct 2021</i>	

AD = 185

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
<i>Coenis</i>	L	11	2	Klub 2016	imm	N
<i>C. punctata</i>	L	1	1	"		
<i>Leptophlebia</i>	L	1	5	"	imm	
<i>Calopteryx maculata</i>	L	1	1	West May 1966		
<i>Coenagrion / Erythrogrion</i>	L	111	3	Schm unpub	imm	
<i>Hydroptilid</i>	L	11	2	Hils 1945		
<i>Tricentropus</i>	L	1	1	"	imm	
<i>Polycentropus</i>	L	11	2	"		
<i>Dicranophora</i>	L	11	2	Hils Schm 1942		
<i>Peltodytes edentulus</i>	A	1	1	Hils Briggs 1976		
<i>Ephydriidae</i>	L	1	1	Court Merr 2008		
<i>Gammarus pseudolimnoides</i>	A	1	1	Hils 1972		
<i>Nyalia azteca</i>	A	xiiii	14	Soucek et al 2015		
<i>Cocconeidae</i>	A	-11	7	Will 1972	imm	
<i>Sigara compressoides</i>	A	1	1	Hils 1984a		
<i>S. douglasensis</i>	A	1	1	"		
<i>Naidinae</i>	A	1111	4	Brinfield 1991		
<i>Physa</i>	A	xiiii	14	Brown 1991		
<i>Hydrobiidae NOT R. antpedarum</i>	A	xiiii	19	"		
Split A3 Chironomidae	L	xix	19			
<i>Conchapelopia</i> 08270700	L	111	3	Cran Epl 2013		
<i>Zarembkomyia</i> 08273000	L	1	1	"		
<i>Ablabesmyia</i> (Karelia)	L	1	1	"		
<i>Procladius</i>	L	11	2	"	imm	
<i>Orthocladiinae</i> 08300000	L	111	3	Cranston 2013	imm	N
<i>Brillia</i>	L	1	1	Ander +3 2013	imm	
<i>Corynoneura</i>	L	11	2	"		
<i>Limnophyes</i>	L	11	2	"		
<i>Paramebriocnemus</i>	L	-1	6	"		
<i>Nanocladius</i> (<i>Nanocladius</i>) <i>parvulus</i> group	L	111	3	"		
<i>Cricotopus</i> / <i>Orthocladius</i>	L	1	1	Ferr et al 2008	imm	N
<i>Cricotopus</i> (<i>Cricotopus</i>) <i>bicoloratus</i> group	L	1	1	Ander +3 2013		
<i>C. (Isocladius)</i> <i>sylvestris</i> group	L	0-11	27	"		
<i>Chironominae</i> 08330000	L	xii	12	Cranston 2013	mt indet	N
<i>Dicrotendipes</i>	L	11	2	Epl et al 2013		
<i>Micropsectra</i>	L	x1	11	"		

