

Stream Quality Assessment Form

Lake County Soil and Water Conservation District

River Mile 4.9 Stream Chagrin River Sample # _____
 Location Daniels Park
 County Lake Township/City Willoughby Date 10/16/07 Time 9:30
 Monitoring Group _____
 Or Individual Lake Academy No. of Participants 4

Riffle Structure Width of Riffle _____ Water Depth _____ Water Temp <u>60</u> °C or ____°F	Chemical Analysis Dissolved O ₂ <u>9 mg/L</u> Acidity (pH) <u>8 mg/L</u> Salinity (Cl) _____ Ammonia <u>Amid</u>	Coliform sample taken? Yes <input type="checkbox"/> No <input type="checkbox"/> # _____ Results _____
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Bed Composition of Riffle (must add up to 100%)
 SILT SAND GRAVEL COBBLES BOULDERS
(1/4"-2") (2"-10") (>10")

Descriptions of Water Conditions:	Special Notes: <u>limpet</u>
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MACROINVERTEBRATE TALLY			Estimated Count		
			A= 1 to 9 B= 10 to 99 C= 100 or more		
GROUP 1 TAXA	LTR. Code	GROUP 2 TAXA	LTR Code	GROUP 3 TAXA	LTR. Code
Water Penny Larvae	<u>A</u>	Damselfly Nymphs	<u>—</u>	Blackfly Larvae	<u>A</u>
Mayfly Nymphs	<u>A</u>	Dragonfly Nymphs	<u>—</u>	Aquatic Worms	<u>—</u>
Stonefly Nymphs	<u>—</u>	Crane fly Larvae	<u>—</u>	Midge Larvae	<u>A</u>
Dobsonfly Larvae	<u>B</u>	Beetle Larvae	<u>A</u>	Pouch Snails	<u>—</u>
Caddisfly Larvae	<u>C</u>	Crayfish	<u>—</u>	Leeches	<u>—</u>
Riffle Beetle Adult	<u>A</u>	Scuds	<u>—</u>		
Gill Snails – (open right)	<u>—</u>	Clams	<u>—</u>		
		Sow Bugs	<u>—</u>		
NUMBER OF TAXA	<u>5</u>	NUMBER OF TAXA	<u>1</u>	NUMBER OF TAXA	<u>2</u>
(TIMES) INDEX VALUE	<u>3</u>	(TIMES) INDEX VALUE	<u>2</u>	(TIMES) INDEX VALUE	<u>2</u>
	<u>15</u>		<u>2</u>		<u>1</u>

Cumulative Index Value <u>19</u>	Stream Quality Assessment Excellent (> 22) Fair (11-16) Good (17-22) <u>Good (17-22)</u> Poor (<11)
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Please Send this form to: Lake County Soil and Water Conservation District
 125 East Erie St.
 Painesville OH 44077

Stream Quality Assessment Form

Lake County Soil and Water Conservation District

River Mile 4.9 Stream Chagrin River Sample # _____
 Location Daniel's Park → Willoughby
 County Lake Township/City _____ Date 10/16/07 Time 9:30 AM
 Monitoring Group _____
 Or Individual Lake Academy No. of Participants 4

Riffle Structure Width of Riffle _____ Water Depth _____ Water Temp _____°C or _____°F	Chemical Analysis Dissolved O ₂ <u>9 mg/L</u> Acidity (pH) _____ Salinity (Cl) _____ Ammonia _____	Coliform sample taken? Yes <input type="checkbox"/> No <input type="checkbox"/> # _____ Results _____
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Bed Composition of Riffle (must add up to 100%)
 SILT SAND GRAVEL COBBLES BOULDERS
(1/4"-2") (2"-10") (>10")

Descriptions of Water Conditions: <u>Clear, colorless, odorless</u>	Special Notes: <u>macroin</u>
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MACROINVERTEBRATE TALLY

Estimated Count A= 1 to 9
 B= 10 to 99
 C= 100 or more

GROUP 1 TAXA	LTR. Code	GROUP 2 TAXA	LTR. Code	GROUP 3 TAXA	LTR. Code
Water Penny Larvae	—	Damselfly Nymphs	—	Blackfly Larvae	A
Mayfly Nymphs	B	Dragonfly Nymphs	—	Aquatic Worms	—
Stonefly Nymphs	—	Cranefly Larvae	A	Midge Larvae	A
Dobsonfly Larvae	B	Beetle Larvae	A	Pouch Snails	—
Caddisfly Larvae	B	Crayfish	—	Leeches	A
Riffle Beetle Adult	B	Scuds	—		
Gill Snails — (open right)	—	Clams	—		
		Sow Bugs	—		
NUMBER OF TAXA	4	NUMBER OF TAXA	B	NUMBER OF TAXA	3
(TIMES) INDEX VALUE	12	(TIMES) INDEX VALUE	4	(TIMES) INDEX VALUE	3
3		2		1	

Cumulative Index Value	<u>19</u>	Stream Quality Assessment
	<u>19</u>	Excellent (> 22)
		Fair (11-16)
		Good (17-22)
		Poor (<11)

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 Painesville OH 44077

Stream Quality Assessment Form

Lake County Soil and Water Conservation District

River Mile 4.9 Stream Chocoma River Sample # _____
 Location Danels Park
 County Lake Township/City Willoughby Date 6/16/07 Time 9:30
 Monitoring Group _____
 Or Individual one stream, 7 people No. of Participants 7

Riffle Structure Width of Riffle <u>60 ft</u> Water Depth <u>6 ft</u> Water Temp _____°C or <u>60</u> °F	Chemical Analysis Dissolved O ₂ _____ Acidity (pH) <u>6.0</u> Salinity (Cl) _____ Ammonia _____	Coliform sample taken? Yes <input type="checkbox"/> No <input type="checkbox"/> # _____ Results _____
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Bed Composition of Riffle (must add up to 100%)
 SILT SAND GRAVEL (1/4"-2") COBBLES (2"-10") BOULDERS (>10")

Descriptions of Water Conditions: <u>2 pools, 1 stream, 100 ft</u>	Special Notes: <u>Caught 1 stonefly, no fish</u>
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MACROINVERTEBRATE TALLY			Estimated Count		
			A= 1 to 9 B= 10 to 99 C= 100 or more		
GROUP 1 TAXA	LTR. Code	GROUP 2 TAXA	LTR. Code	GROUP 3 TAXA	LTR. Code
Water Penny Larvae	<u>A</u>	Damselfly Nymphs		Blackfly Larvae	
Mayfly Nymphs	<u>B</u>	Dragonfly Nymphs		Aquatic Worms	
Stonefly Nymphs		Crane fly Larvae		Midge Larvae	<u>B</u>
Dobsonfly Larvae		Beetle Larvae		Pouch Snails	
Caddisfly Larvae	<u>C</u>	Crayfish		Leeches	
Riffle Beetle Adult	<u>A</u>	Scuds			
Gill Snails - (open right)		Clams			
		Sow Bugs			
NUMBER OF TAXA	<u>4</u>	NUMBER OF TAXA		NUMBER OF TAXA	<u>1</u>
(TIMES) INDEX VALUE	<u>12</u>	(TIMES) INDEX VALUE	<u>2</u>	(TIMES) INDEX VALUE	<u>1</u>
	<u>3</u>		<u>2</u>		<u>1</u>

Cumulative Index Value <u>13</u>	Stream Quality Assessment	
	Excellent (> 22)	Good (17-22)
	Fair (11-16)	Poor (<11)

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