

STREAM QUALITY ASSESSMENT FORM

STATION _____ STREAM _____ SAMPLE # _____
 LOCATION _____
 COUNTY _____ TOWNSHIP/CITY _____ DATE _____ TIME _____
 GROUP OR INDIVIDUALS _____ NO. OF PARTICIPANTS _____

DESCRIBE WATER CONDITIONS (COLOR, ODOR, BEDGROWTHS, SURFACE SCUM, ETC.)	HACH KIT RESULTS (if used) AND OTHER OBSERVATIONS
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USE BACK OF FORM IF NECESSARY

WIDTH OF RIFFLE _____ WATER DEPTH _____ WATER TEMP. (°F) _____	BED COMPOSITION OF RIFFLE (%) SILT <input type="checkbox"/> SAND <input type="checkbox"/> GRAVEL (¼" - 2") <input type="checkbox"/> COBBLES (2" - 10") <input type="checkbox"/> BOULDERS (> 10") <input type="checkbox"/>
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MACROINVERTEBRATE TALLY	ESTIMATED COUNT A = 1 to 9 LETTER CODE B = 10 to 99 C = 100 or more
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GROUP 1 TAXA	LETTER CODE	GROUP 2 TAXA	LETTER CODE	GROUP 3 TAXA	LETTER CODE
WATER PENNY LARVAE		DAMSELFLY NYMPHS		BLACKFLY LARVAE	
MAYFLY NYMPHS		DRAGONFLY NYMPHS		AQUATIC WORMS	
STONEFLY NYMPHS		CRANE FLY LARVAE		MIDGE LARVAE	
DOBSONFLY LARVAE		BEETLE LARVAE		POUCH SNAILS	
CADDISFLY LARVAE		CRAYFISH		LEECHES	
RIFFLE BEETLE ADULT		SCUDS			
OTHER SNAILS		CLAMS			
		SOWBUGS			
NUMBER OF TAXA <i>(times)</i> INDEX VALUE 3		NUMBER OF TAXA <i>(times)</i> INDEX VALUE 2		NUMBER OF TAXA <i>(times)</i> INDEX VALUE 1	

CUMULATIVE INDEX VALUE <div style="border: 1px solid black; width: 100px; height: 20px; margin-top: 10px;"></div>	STREAM QUALITY ASSESSMENT EXCELLENT (> 22) <input type="checkbox"/> GOOD (17-22) <input type="checkbox"/> FAIR (11-16) <input type="checkbox"/> POOR (< 11) <input type="checkbox"/>
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PLEASE SEND THIS FORM TO:

6-33

Stream Assessment Form (Example)

EXAMPLE

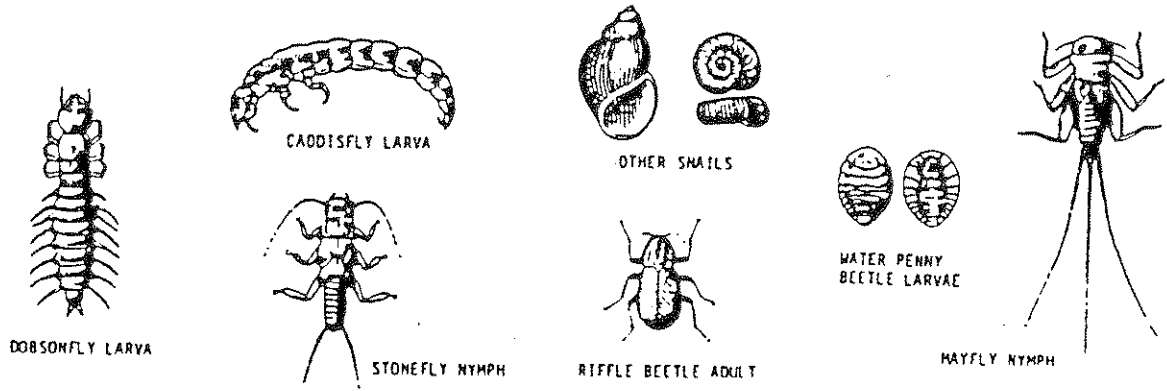
EXAMPLE

EXAMPLE

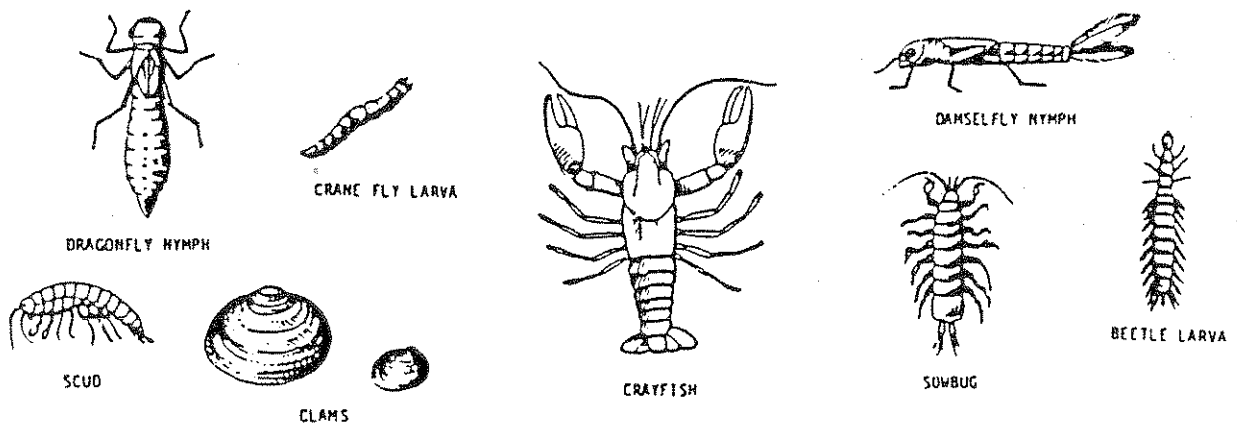
STATION <u>RC14.6</u>		STREAM <u>Riffle Creek</u>		SAMPLE # <u>1</u>	
LOCATION <u>100 yards upstream of Riffle Creek Bridge</u>					
COUNTY <u>Whitewater</u>		TOWNSHIP/CITY <u>Rapids</u>		DATE <u>5-24-85</u> TIME <u>2:00 p.m.</u>	
GROUP OR INDIVIDUALS <u>West Rivers High School Biology - 10th Grade</u>				NO. OF PARTICIPANTS <u>14</u>	
DESCRIBE WATER CONDITIONS (COLOR, ODOR, BEDGROWTHS, SURFACE SCUM, ETC.) <u>Water was clear with no detectable odor. Bed had filmy green growth on some of the rocks. Small patches of white foam were observed below the riffles.</u>				HACH KIT RESULTS (if used) AND OTHER OBSERVATIONS <u>D.O. 8.2 mg/L</u> <u>pH 7.1</u>	
USE BACK OF FORM IF NECESSARY					
WIDTH OF RIFFLE <u>12 ft.</u>		BED COMPOSITION OF RIFFLE (%)			
WATER DEPTH <u>8 inches</u>		SILT <input type="text" value="10"/>		SAND <input type="text" value="10"/>	
WATER TEMP. (°F) <u>70</u>		COBBLES (2" - 10") <input type="text" value="40"/>		GRAVEL (½" - 2") <input type="text" value="40"/>	
				BOULDERS (> 10") <input type="text" value="0"/>	
MACROINVERTEBRATE TALLY				ESTIMATED COUNT LETTER CODE	
				A = 1 to 9 B = 10 to 99 C = 100 or more	
GROUP 1 TAXA		LETTER CODE		GROUP 2 TAXA	
LETTER CODE		GROUP 3 TAXA		LETTER CODE	
WATER PENNY LARVAE		B		DAMSELFLY NYMPHS	
MAYFLY NYMPHS		C		A	
STONEFLY NYMPHS		B		BLACKFLY LARVAE	
DOBSONFLY LARVAE		A		AQUATIC WORMS	
CADDISFLY LARVAE		C		MIDGE LARVAE	
RIFFLE BEETLE ADULT		R		POUCH SNAILS	
OTHER SNAILS				LEECHES	
				A	
				B	
				R	
NUMBER OF TAXA (times)		6		NUMBER OF TAXA (times)	
INDEX VALUE 3		18		5	
				10	
				2	
				2	
CUMULATIVE INDEX VALUE		STREAM QUALITY ASSESSMENT			
<input type="text" value="30"/>		EXCELLENT (> 22)		GOOD (17-22)	
		<input checked="" type="checkbox"/>		<input type="checkbox"/>	
		FAIR (11-16)		POOR (< 11)	
		<input type="checkbox"/>		<input type="checkbox"/>	
PLEASE SEND THIS FORM TO:					
SCENIC RIVERS COORDINATOR OHIO DEPARTMENT OF NATURAL RESOURCES SCENIC RIVERS PROGRAM					

MACROINVERTEBRATE TAXA GROUPS

GROUP 1 (These organisms are generally pollution-intolerant. Their dominance generally signifies GOOD WATER QUALITY)



GROUP 2 (These organisms can exist in a wide range of water quality conditions.)



GROUP 3 (These organisms are generally tolerant of pollution. Their dominance usually signifies POOR WATER QUALITY.)

