



MAIDENCREEK WATERSHED ASSOCIATION

MONITORING DATA SHEET

Station ID: _____

Date / Time: _____

Observer Names / Phone: _____

Stream Name / Description: _____

Present Weather Condition: Sunny Overcast Rain Snow

Precipitation in the last 48 hours (from rain guage): _____ inches

Temperature: Air _____ C Water _____ C

STREAM BOTTOM SURVEY OF RIFFLE HABITAT

Identify and monitor riffle habitat for the stream bottom survey to help track changes in macroinvertebrate habitat due to sedimentation.

	Bedrock	Boulder	Cobble	Gravel	Sand	Silt/Clay/Mud
Dominant						
Subdominate						

Bedrock: larger then a car; Boulder: greater then a basketball & smaller then a car; Cobble: tennis ball to basketball; Gravel: pea to tennis ball; Sand: Tiny gritty particles, smaller then gravel but courser then silt; Silt/Clay/Mud: sticky/cohesive, behaves like ooze.

Average Stream Depth in Run Habitat: (1 foot = .31 meters) : _____

Consolidation of Riffle: Loose Moderate Difficult to dislodge

Water Appearance : Clear Milky Foamy Turbid Oily Sheen Other _____

Flow Observation : Normal Faster then Normal Slower the Normal

Streambank Condition (from side of sample site) : undercut/eroding Steep Slope Gradual Slope

Dissolved Oxygen (average of two lowest readings)	
First	_____ mg O2/L
Second	_____ mg O2/L
Third	_____ mg O2/L
Average	_____ mg O2/L

PH:

Nitrate-Nitrogen

Deionized Water BLANK

BLANK Result _____ ppm (should be 0 ppm)

Sample

_____ ppm Nitrate-Nitrogen

1:1 Dilution (if reading is greater then 15 ppm)

[for dilution: use 2.5 ml DI water & 2.5 ml sample water and repeat test]

2x (_____) = _____ ppm Nitrate-Nitrogen

Ortho-Phosphate (Low range, 0-1 ppm)

Deionized Water BLANK

BLANK Result _____ ppm (should be 0 ppm)

Sample

_____ / 50 = _____ ppm Ortho-Phosphate

Ortho-Phosphate (Mid range, 0-5 ppm)

_____ / 10 = _____ ppm Ortho-phosphate

Turbidity (Jackson Turbidity Units - JTU's)

Sample Size: 50 ml sample or 25 ml sample

of Measured Additions of Turbidity Reagent(each 0.5 ml=1 addition) _____

50 ml sample: # of measured Additions of Turbidity Reagent : _____ x 5 = _____ JTU

25 ml sample: # of measured Additions of Turbidity Reagent : _____ x 10 = _____ JTU

Wildlife Observation / Comments : _____

If you see a pollution concern call the PA DEP hotline at : 1-800-541-2050

Erosion / Sedimentation Problem call Berks County Conservation District at : 610-372-4657

E-mail to :

Maiden_Creek@Yahoo.com

Send to : MAIDENCREEK WATERSHED ASSOCIATION

PO Box 68, Kutztown, PA 19530