

APPENDIX A-2:

Periphyton Field and Laboratory Data Sheets

Form 1: Periphyton Field Data Sheet

Form 2: Periphyton Sample Log-In Sheet

Form 3: Periphyton Soft Algae Laboratory Bench Sheet (front and back)

Form 4: Periphyton Diatom Laboratory Bench Sheet (front and back)

Form 5: Rapid Periphyton Survey Field Sheet

PERIPHYTON FIELD DATA SHEET

STREAM NAME _____		LOCATION _____	
STATION # _____ RIVERMILE _____		STREAM CLASS _____	
LAT _____ LONG _____		RIVER BASIN _____	
STORET # _____		AGENCY _____	
INVESTIGATORS _____			LOT NUMBER _____
FORM COMPLETED BY _____		DATE _____ TIME _____ AM PM	REASON FOR SURVEY _____

HABITAT TYPES	<p>Indicate the percentage of each habitat type present</p> <input type="checkbox"/> Sand-Silt-Mud-Muck _____% <input type="checkbox"/> Gravel-Cobble _____% <input type="checkbox"/> Bedrock _____% <input type="checkbox"/> Small Woody Debris _____% <input type="checkbox"/> Large Woody Debris _____% <input type="checkbox"/> Plants, Roots _____% <input type="checkbox"/> Riffle _____% <input type="checkbox"/> Run _____% <input type="checkbox"/> Pool _____% <input type="checkbox"/> Canopy _____%
SAMPLE COLLECTION	<p>Gear used <input type="checkbox"/> suction device <input type="checkbox"/> bar clamp sample <input type="checkbox"/> scraping <input type="checkbox"/> Other _____</p> <p>How were the samples collected? <input type="checkbox"/> wading <input type="checkbox"/> from bank <input type="checkbox"/> from boat</p> <p>If natural habitat collections, indicate the number of samples taken in each habitat type.</p> <input type="checkbox"/> Sand-Silt-Mud-Muck _____% <input type="checkbox"/> Gravel-Cobble _____% <input type="checkbox"/> Bedrock _____% <input type="checkbox"/> Small Woody Debris _____% <input type="checkbox"/> Large Woody Debris _____% <input type="checkbox"/> Plants, Roots _____%
GENERAL COMMENTS	

QUALITATIVE LISTING OF AQUATIC BIOTA

Indicate estimated abundance: 0 = Absent/Not Observed, 1 = Rare (<5%), 2 = Common (5% - 30%), 3 = Abundant (30% - 70%), 4 = Dominant (>70%)

Periphyton	0	1	2	3	4	Slimes	0	1	2	3	4
Filamentous Algae	0	1	2	3	4	Macroinvertebrates	0	1	2	3	4
Macrophytes	0	1	2	3	4	Fish	0	1	2	3	4

page of

PERIPHYTON SAMPLE LOG-IN SHEET										
Date Collected	Collected By	Number of Containers	Preservation	Station #	Stream Name and Location	Date Received by Lab	Lot Number	Date of Completion		
								sorting	mounting	identification

Serial Code Example: P0754001(1)
 P = Periphyton (B = Benthos, F = Fish)# 0754 = project number # 001 = sample number # (1) = lot number (e.g., winter 1996 = 1; summer 1996 = 2)

PERIPHYTON SOFT ALGAE LABORATORY BENCH SHEET (FRONT)

page _____ of _____

STREAM NAME		LOCATION
STATION #	RIVERMILE	STREAM CLASS
LAT	LONG	RIVER BASIN
STORET #	LOT #	AGENCY
COLLECTORS INITIALS	DATE	TAXONOMISTS INITIALS DATE
SUBSAMPLE TARGET FOR SOFT ALGAE <input type="checkbox"/> 300 <input type="checkbox"/> 400 <input type="checkbox"/> 500 <input type="checkbox"/> Other ____		

TAXA NAME	TALLY	CODE	# OF CELLS	TCR

Taxonomic certainty ratings (TCR) can be determined for each taxa or for the laboratory as a whole. The TCR scale is 1-5, with: 1 = most certain and 5 = least certain. If rating is 3-5, give reason. The number of cells for filamentous algae is an estimate of relative biomass.

Total No. Algal cells _____ Total No. Taxa _____

PERIPHYTON SOFT ALGAE LABORATORY BENCH SHEET (BACK)

STREAM IDENTIFICATION CODE	DATE COUNTED
COUNTED TRANSECT LENGTH	COUNTED TRANSECT WIDTH
SIZE OF COVERGLASS	TOTAL SAMPLE VOLUME
VOLUME OF SAMPLE ON COVERGLASS	SAMPLE DILUTION FACTOR
PROPORTION OF SAMPLE COUNTED	AREA OF SUBSTRATE SAMPLED
TOTAL NUMBER OF CELLS COUNTED	TOTAL ASSEMBLAGE CELL DENSITY

<p>TAXONOMY</p> <p>ID _____</p> <p>Date _____</p>	<p>Explain TCR ratings of 3-5:</p> <p>Other Comments (e.g. condition of algae):</p> <hr/> <p>QC: <input type="checkbox"/> YES <input type="checkbox"/> NO QC Checker _____</p> <p>Algal recognition <input type="checkbox"/> pass <input type="checkbox"/> fail Verification complete <input type="checkbox"/> YES <input type="checkbox"/> NO</p>
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General Comments (use this space to add additional comments):

PERIPHYTON DIATOM LABORATORY BENCH SHEET (FRONT)

page ____ of ____

STREAM NAME		LOCATION	
STATION #	RIVERMILE	STREAM CLASS	
LAT	LONG	RIVER BASIN	
STORET #	LOT #	AGENCY	
COLLECTORS INITIALS	DATE	TAXONOMISTS INITIALS	DATE
SUBSAMPLE TARGET FOR DIATOM <input type="checkbox"/> 300 <input type="checkbox"/> 400 <input type="checkbox"/> 600 <input type="checkbox"/> Other ____			

TAXA NAME	TALLY (# of valves)	CODE	# OF CELLS	TCR

Taxonomic certainty ratings (TCR) can be determined for each taxa or for the laboratory as a whole. The TCR scale is 1-5, with: 1 = most certain and 5 = least certain. If rating is 3-5, give reason. The number of cells for filamentous algae is an estimate of relative biomass.

Total No. Algal cells _____ **Total No. Taxa** _____

PERIPHYTON DIATOM LABORATORY BENCH SHEET (BACK)

<p>TAXONOMY</p> <p>ID _____</p> <p>Date _____</p>	<p>Explain TCR ratings of 3-5:</p> <p>Other Comments (e.g. condition of algae):</p> <hr style="border: 1px solid black;"/> <p>QC: <input type="checkbox"/> YES <input type="checkbox"/> NO QC Checker</p> <p style="text-align: right; margin-right: 50px;">_____</p> <p>Algal recognition <input type="checkbox"/> pass <input type="checkbox"/> fail Verification complete <input type="checkbox"/> YES <input type="checkbox"/> NO</p>
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General Comments (use this space to add additional comments):
