Massachusetts Department of Environmental Protection/Division of Watershed Management

Rivers Field Sheet (2020)

Rivers and Streams

Project Lead (initial) _____ **Station Sheet** ____ **of** ____

General Information (*fill out prior to departure*)	
Project:	**Survey Crew Lead:**
Site Name:	**Survey Crew Assist:**
River:	**Town:**

Station Information (*fill out at station for area within 10 meters up/down*)	
Date:	**Station Description** *(Does site match description?* □ YES □ NO *If NO, describe below)*
Time ***(24 hr)*****:**	
Est. Flow Velocity □ ~0 fps □ < 1 fps □ 1–3 fps □ 3–5 fps □ > 5 fps	**Flow Condition** □ Flowing □ No Water □ Stagnant □ No Access □ Ice Covered
Weather Conditions	□ Clear □ Mostly sun □ Mostly cloud □ Overcast □ Fog □ Drizzle □ Rain □ Sleet □ Snow AIR TEMP:_____°F
% Open Sky	Visual Method SOP (*total shade=0%)* = _____ *%*
Dominant Substrates *(>25%)*	□ Bedrock □ Boulder □ Cobble □ Coarse gravel □ Sand □ Silt/Mud/Clay □ Unobservable

Description of Observed Conditions ***(check all that apply)***	
Water Odor	□ None □ Unobservable □ Effluent (treated) □ Raw sewage □ Chlorine □ Petrol □ Musty □ Other
Turbidity	□ None □ Unobservable □ Slight □ Moderate □ High
Water Color	□ None □ Unobservable □ Yellow □ Brown □ Red □ Black □ Grey □ Green □ Other
Periphyton	***N****one: 0%* ***U****nobservable* ***S****parse: 1-25%* ***M****oderate: 25-50%* ***D****ense: 50-75%* ***V****ery* ***D****ense: 75-100%*
Filamentous	N U S M D VD □ On plants □ On rocks □ On bottom □ Riffle □ Run □ Pool Color:_____
Film	N U S M D VD □ On plants □ On rocks □ On bottom □ Riffle □ Run □ Pool Color:_____
Loose Floc	N U S M D VD □ On plants □ On rocks □ On bottom □ Riffle □ Run □ Pool Color:_____
Moss	N U S M D VD □ On plants □ On rocks □ On bottom □ Riffle □ Run □ Pool Color:_____
Aquatic Plants	N U S M D VD □ Emergent □ Submerged □ Floating Species: _____
Exotic Species:	
Water Level	(*visual from AHWL*) Low: - _____ft. □ Normal High: + _____ft. □ Staff Gage: _____ft.
Floating Scum	□ None □ Unobservable □ Oily sheens □ Pollen blankets □ Algal mat □ Foam □ Other Description:
Objectionable Deposits	□ None □ Unobservable □ Trash □ Orange floc □ Other Description:
Shoreline Erosion	□ None □ Unobservable □ Slight □ Moderate □ Severe Description:
Wildlife	□ None □ Fish □ Mammals □ Birds □ Amphibians □ Other: Description:
Beneficial Uses	□ None □ Swimming □ Boating □ Water intake □ Fishing □ Other: Description:
Pollution Sources	□ None □ Outfall pipes □ Garbage dumping □ Land clearing □ Lawns □ Septic □ Road runoff □ Other Description:
Aesthetics Impaired?	□ **YES** □ **NO** *i.e., based on water odor, clarity, unnatural color, growths, scum and/or deposits, is the site impaired?*

For office use only Field Sheet Login # Unique ID # Revision Date 6/18/20

Project Lead (initial) _____ **Station Sheet ____ of ____**

SAMPLE DATA	**General Notes:**
Bottle Sample(s) collected? □ yes □ no Why not?: _____	
Samples taken from (*check all that apply*)	
□ from shore □ wade in □ boat □ other (*explain*) _____	**Sample-Specific Notes:**
□ left bank □ right bank □ center stream	Samples were physically collected by: _____
(*looking DOWNSTREAM to determine left/right bank)*	Field-filtered samples? □ yes □ no If yes, specify analyte(s): _____
□ Off Bridge?: If so… □ upstream side □ downstream side	
(If Van Dorn used, Serial # =)	
□ Upstream of a discharge □ Downstream of a discharge Discharge Description:	
□ Tidal Information: □ Not Applicable, or… Samples taken during… □ Ebb (outgoing tide) □ Flow (incoming tide) □ Slack tide □ Indeterminable	

OWMID # **> "X" all applicable boxes** **> Provide sample times for all samples** **> Provide separate OWMID#s for each matrix and sample type, and for QA/QC samples.** **> Affix ID labels in boxes below**	**Sample Time** *(24 hr)*	**Matrix**		**Bottle Group**														**Sample Type**							**QA/QC**			**Total # of Bottles**
																		Grab			**Composite**							
		SEDIMENT	**WATER**	Chemistry (C)	Solids (S)	Color/turbidity/hardnes (R)	Nutrients (N) H_2SO_4: **Yes** **No**	Bacteria (B) $Na_2S_2O_3$: **Yes** **No**	Chl a (I)	Algae (A)	Metals (M) HNO_3: **Yes** **No**	Hardness (H)	Microcystins (MC)	Human markers (HM)	Other : _____	Other : _____	Other : _____	Manual Grab	Basket	Sampling Pole	Width/Depth Integrated	Flow Composite	Time Composite	Ambient Field Blank [2]	Field Blank	Duplicate [3]	Other [2]	

Multi-Probe DATA

Record last STABLE readings per Multi-probe SOP. For TDS/Salinity in table, circle one as applicable.
*Make sure to use a different **ID# for Multi-probe (or single probe) data.***

OWMID#: *Affix OWMID # Label here*	**Sonde #:**	**Logger #:**
Depth calibrated at ***(24 hr):***	**Multi-probe (sample-specific) Notes:**	
Manual (watch) Time ***(24 hr):***		
Single Probe used? □ Yes □ No	**Single Probe Model and Serial #:**	

Time	**Temp. (ºC)**	**DO (mg/l)**	**Depth (meters)**	**Scond (µS/cm)**	**pH**	**% Sat**	**TDS/Salinity (g/l)/(ppt)**	**Chlorophyll (ug/l or RFU)**	**Phycocyanin (cells/ml)**

Cooler Temperature (post sampling at Lab): _____