



Volunteer River Monitoring Program

WATER SAMPLE COLLECTION AND FIELD DATA SHEET (Tier 1-Profile)



ORGANIZATION: _____ DATE: _____ START TIME: _____ AM/PM

MONITOR(S): _____ END TIME: _____ AM/PM

PAST 24 HOURS WEATHER: (CIRCLE ALL THAT APPLY)

- CLEAR FOGGY
- CLOUDY LIGHT RAIN
- PARTLY CLOUDY HEAVY RAIN
- MOSTLY CLOUDY SLEET
- SHOWERS SNOW

CURRENT WEATHER: (CIRCLE ALL THAT APPLY)

- CLEAR FOGGY
- CLOUDY LIGHT RAIN
- PARTLY CLOUDY HEAVY RAIN
- MOSTLY CLOUDY SLEET
- SHOWERS SNOW

ADDITIONAL COMMENTS:

TIDAL INFORMATION: (optional)
 _____ (AM/PM) TIME OF HIGH TIDE
 _____ (AM/PM) TIME OF LOW TIDE

AIR TEMPERATURE: (optional)
 _____ (°F) _____ (°C)

AIR CONDITIONS:
 CALM
 BREEZE
 STRONG WIND

QA/QC CHECK

		STANDARD VALUES	READING/VALUE AFTER CALIBRATION (Cal.)
DISSOLVED OXYGEN (D.O.) (METER)	TIME METER TURNED ON _____ TIME OF CALIBRATION _____		% sat.
	<input type="checkbox"/> MEMBRANE INSPECTED*	D.O. "Reading After Cal." is measured in cal. chamber. Recalibrate if "After" value is < 97.0 or > 103 %.	
DISSOLVED OXYGEN (KIT)	<input type="checkbox"/> SODIUM THIOSULFATE TEST DATE: _____ TIME: _____ <input type="checkbox"/> CHEMICAL EXP. DATES CHECKED		
SPECIFIC CONDUCTANCE	(PROBE CHECKED AND CALIBRATED BEGINNING OF SAMPLING SEASON) <input type="checkbox"/> PROBE INSPECTED FOR DAMAGE OR FOULING		
TURBIDITY	<input type="checkbox"/> METER INSPECTED <input type="checkbox"/> CALIBRATED AGAINST STANDARDS (Make "after cal." measurement of standard within the turbidity meter.)		
pH	CALIBRATED WITH: (2 BUFFERS) EFFICIENCY/ <input type="checkbox"/> pH 4 <input type="checkbox"/> pH 7 <input type="checkbox"/> pH 10 SLOPE: _____	pH: _____	
		pH: _____	

MEMBRANE INSPECTION GUIDELINES

Check to ensure the membrane is not loose, wrinkled, damaged, or fouled and there are no bubbles in the electrolyte reservoir, if applicable, to your make and model.

ZERO SATURATION DISSOLVED OXYGEN TEST CHECK (Shall be done 2X over field season)

DATE CONDUCTED: _____ INITIALS: _____
 DO READINGS: (RINSE PROBE WELL AFTER CONDUCTING CHECK) _____ (mg/L)*
 DO METER TYPE: _____ DO METER NUMBER (see tag): _____
 * If mg/L readings are > 0.5 mg/L of the zero-D.O. solution, contact your group leader and a VRMP representative.

CHAIN OF CUSTODY

CHECK ALL THAT APPLY:

DATASHEET SAMPLE

SUBMITTED BY (VOLUNTEER): _____ DATE: _____ TIME: _____ AM / PM

NOTES (ISSUES/ACTIONS): _____

[IF APPLICABLE]

SAMPLE RECEIVED BY (ANALYST): _____ DATE: _____ TIME SAMPLE ANALYZED: _____ AM/ PM

NOTES (ISSUES/ACTIONS): _____

DATASHEET PROOFED AND SUBMITTED BY: _____ DATE: _____

(VOLUNTEER GROUP DATA MANAGER)

NOTES (ISSUES/ ACTIONS): _____

QA/QC'd BY VRMP STAFF: _____ DATE: _____

NOTES (ISSUES/ACTIONS): _____

*** MEASUREMENTS AND SAMPLES WERE OBTAINED FROM A WELL-MIXED AREA (check here to confirm)

SAMPLE FIELD MEASUREMENTS PLUS LOCATION/DATE/TIME INFORMATION
(FOR METER MEASUREMENTS AND GRAB SAMPLES {E. COLI BACTERIA, TURBIDITY, ETC.})

SITE ID #	WATERBODY/ SITE NAME	TIME SAMPLED	SAMPLING LOCATION (SELECT ONE)	WATER TEMP. (°C)	DISSOLVED OXYGEN (D.O.)*		D.O. SAMPLE COLLECTION METHOD	SPECIFIC CONDUCT- ANCE (µs/cm)	pH	TURBIDITY (Circle One) 1) TUBE (cm) 2) METER (NTU)	TDS (mg/L)	SALINITY (PPTH)
					TIER 2 ONLY							
					NON- WADEABLE 1) MID-DEPTH 2) 3 FT BELOW SURFACE	WADEABLE 3) MID-DEPTH 4) 1.5 FT BELOW SURFACE						
			1) WADING 2) BRIDGE 3) BOAT 4) BANK 5) CULVERT		mg\ L	% sat	1) EXTENSION POLE & PROBE 2) VAN DORN 3) ARI SAMPLER 4) KEMMERER 5) PROBE ONLY (DIRECT PROBE)	(Circle One) 1) PEN 2) METER				

QA/ QC FIELD DUPLICATE (1 duplicate per 10 measurements) Remember to wait 5 minutes before taking duplicate measurement.

*FOR TIER 1 DISSOLVED OXYGEN & TEMPERATURE MEASUREMENTS, USE DEPTH PROFILE DATA SHEET.

OBSERVATIONAL DATA

(PLEASE SELECT ONE NUMBER FOR EACH CATEGORY)

SITE ID #	WATERBODY/ SITE NAME	WATER LEVEL	HABITAT	WATER APPEARANCE				WATER ODOR		FLOW	TIDAL STAGE (OPTIONAL)
		1) HIGH 2) MEDIUM 3) LOW	1) RIFFLE 2) RUN 3) CASCADE	1) CLEAR 2) DARKLY STAINED 3) MEDIUM STAINED 4) FOAMY	5) GREEN 6) MILKY 7) OPAQUE 8) TURBID/ MUDDY	1) NORMAL 2) CHEMICAL 3) FISHY 4) MANURE	5) ANAEROBIC (ROTTEN EGG) 6) PETROLEUM 7) SEWAGE	1) BASEFLOW 2) STORMFLOW	1) HIGH 2) HIGH EBB 3) EBB 4) LOW EBB 5) LOW 6) LOW FLOOD 7) FLOOD 8) HIGH FLOOD		

ADDITIONAL COMMENTS:

SAMPLES FOR LABORATORY ANALYSIS

SITE ID #	WATERBODY/ SITE NAME	TIME SAMPLE COLLECTED	SAMPLE CONTAINER	BACTERIA (CHECK PARAMETERS TO BE ANALYZED)				OTHER ANALYSES			
				E. coli	Fecal Coliform	Enterococcus	Total Coliform	1) TOTAL DISSOLVED SOLIDS 2) TOTAL SUSPENDED SOLIDS 3) SUSPENDED SEDIMENT CONCENTRATION 4) CHLORIDE 5) TOTAL PHOSPHORUS	6) ORTHO-PHOSPHORUS 7) TOTAL NITROGEN 8) TOTAL KJEDAHL NITROGEN 9) NITRATE (NO ₃) + NITRITE (NO ₃) 10) ALKALINITY		
			1) PLASTIC 2) GLASS 3) WHIRLPAK								

QA/ QC COLLECTION DUPLICATE (1 duplicate per 10 samples)