



2020 Volunteer Monitor Field Sampling Self-Assessment

NH Volunteer River Assessment Program



Voluntary

VRAP Group: _____ Date: _____ Time: _____

Volunteer Monitors (First and Last Name): _____

1. Sampling Procedures	Task Completed	Comments
Sample Collection		
Sample bucket rinsed three times with river water prior to sample collection – filled upstream and poured out downstream		
Sample collected with minimal disturbance		
Laboratory Sample Collection & Transportation		
Laboratory sample bottles labeled with NHDES Station ID, date, time, analytical parameter, and volunteers’ initials		
Lab sample poured from bucket prior to recording field measurements		
Sample(s) stored and transported to laboratory on ice		
Beginning & End of Day Meter Checks		
Initial Meter Check/Calibration performed and recorded on field data sheet		
End of Day Meter Checks performed and recorded on field data sheet		
Field Replicate		
Field replicate measured and recorded on field data sheet.		
QA/QC Meter Checks		
QA/QC Meter Checks for each meter performed and recorded on field data sheet		
Completing the Field Data Sheet & Laboratory Services Log-In Sheet		
NHDES Station ID and Station Names recorded on field data sheet		
Lab Log-In Custody Sheet completed with correct NHDES Station IDs		

2. Individual Meter Sampling Procedures	Task Completed	Comments
Turbidity <input type="checkbox"/> <i>LaMotte 2020</i> <input type="checkbox"/> <i>LaMotte 2020e</i> <input type="checkbox"/> <i>LaMotte 2020we</i>		
Inside of sample vial (“S”) rinsed with DI water three times with DI water before filling with sample		
Outside of vial wiped dry with a Kimwipe prior to insertion in meter		
Sample vial (“S”) appropriately inserted into meter (etched arrow or notch matches with arrow on meter)		
“Initial Turbidity Meter Check Value”/calibration performed and recorded on field data sheet using appropriate standard (<i>1 NTU</i>)		
QA/QC Meter Check (DI Turbidity Blank) performed and recorded on the field data sheet		
End of Day Meter Check” performed and recorded on field data sheet using appropriate standard (<i>1 NTU</i>)		

	Task Completed	Comments
pH <input type="checkbox"/> <i>Oakton pH 11</i> <input type="checkbox"/> <i>Oakton pH 150</i> <input type="checkbox"/> <i>Other</i> _____		
Meter calibrated to pH 7.0 and 4.0 buffers before each measurement		
Electrode probe rinsed with DI water and wiped dry with a Kimwipe after removal from each buffer and prior to sampling		
Slope calculation within limit (95-105%) and recorded on field data sheet		
Slow agitation of electrode probe in small sample container		
pH measurement properly recorded after READY indicator is displayed and reading has stabilized – usually around 3 minutes		
Electrode probe rinsed with DI water and wiped dry after removal from sample		
QA/QC Meter Check (pH 6.0) performed and recorded on field data sheet		
Dissolved Oxygen <input type="checkbox"/> <i>YSI 85</i> <input type="checkbox"/> <i>YSI 2030</i> <input type="checkbox"/> <i>Other</i> _____		
Probe inspected prior to use; sensor probe free of air bubbles or tears; calibration sponge sufficiently moistened		
Meter turned ON at least 15 minutes prior to first calibration. Time the meter is turned on and time of first calibration recorded on datasheet.		
Meter kept turned on until the end of the day		
Meter properly calibrated to % saturation relative to station elevation (<i>100^{ths} of feet</i>) before each measurement-ONLY ON YSI 85		
Dissolved oxygen calibration value and % saturation chamber reading recorded		
Probe rinsed with DI water prior to sampling		
Slow agitation of probe in sample		
Dissolved oxygen (% saturation and mg/L) and water temperature stabilization allowed during agitation, and recorded on field data sheet		
Specific Conductance <input type="checkbox"/> <i>YSI 85</i> <input type="checkbox"/> <i>YSI 2030</i> <input type="checkbox"/> <i>Other</i> _____		
Temperature is a flashing (°C) indicating specific conductance (for YSI 85).		
Probe rinsed with DI water prior to sampling		
Initial conductivity meter check recorded on data sheet		
Probe rinsed with DI water and wiped dry after removal from standard and after removal from sample		
End of Day Meter Check performed and recorded on field data sheet		
3. Data Submittal	Task Completed	Comments
Field data sheet(s) submitted to NHDES		
VRAP staff contacted regarding any issues		
Verify that the correct NHDES Station ID were used – this is critical for lab samples		

Please submit this self-assessment form with your field data sheets

NH Volunteer River Assessment Program

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