

Chesapeake Monitoring Cooperative

Tidal Field Data Sheet

Site Name & # _____ Lat _____ Long _____

Date ____/____/____ Start Time (military time) _____ Rainfall (mm last 48 hrs) _____

Monitors & Group Name: _____

Parameter	Method Used (Circle Applicable)	Calibration Pre / Post Sampling	Measurement 1 st / 2 nd / 3 rd Replicate or Circle observation		
Weather Conditions (cloud cover)			Clear / Partly Cloudy		
Tide Condition			Cloudy / Fog or Haze		
Water Color			High / Outgoing (Ebb) Low / Incoming (Flood)		
Air Temperature (°C)	Armored Classic / Digital / Probe	Verified? Y / N			
pH	Kit / Probe / ColorpHast Strips				
Conductivity (µS/cm)	Probe				
TDS (mg/L)	Probe				
Turbidity (JTU)	LaMotte 7519				
Water Clarity (cm)	Secchi Disk / Turbidity Tube				
Phosphate (mg/L)	Hanna Digital Checker	Pre only:			
Orthophosphate (mg/L)	Hach PO-19 224800 Hanna HI 38061				
Nitrate (mg/L)	Hach NI-14 1416100 / LaMotte 3110 LaMotte 3354				

Use this chart to determine if your two replicates are within range of each other. If not, perform a third test.

Parameter	Acceptable Range
Temperature	Armored (+/- 1° C) Digital (+/- 0.5° C)
Dissolved Oxygen Sodium Thiosulfate Check	Only perform 1 test. If <9.4 or >10 mg/L, do a second test. If both tests are not within 0.4 mg/L of each other, do not measure DO.
Dissolved Oxygen	+/- 0.6 mg/L
pH	+/- 0.5 SU for kits +/- 0.2 SU for probes +/- 1 SU for strips
Salinity / TDS / Conductivity	± 2% FS
Nitrate	Low range (0–1 mg/L) = +/- 0.1 mg/L Mid range (1–10 mg/L) = +/- 1 mg/L
Phosphate	+/- 0.04 mg/L
Turbidity	+/- 5 JTU

Water Column Profile Data	Water Temperature (°C)			Salinity (ppt)			Dissolved Oxygen (mg/L)		
Type of device (circle one)	Armored / Digital / Probe			Refractometer / Probe			Winkler Titration / Probe		
Calibration Check Pre/Post	Verified? Y / N								
Sample Depth (m)	Rep 1	Rep 2	Rep 3	Rep 1	Rep 2	Rep 3	Rep 1	Rep 2	Rep 3
Surface sample depth _____									
Total depth _____									
Sample was collected using a bucket (check one): <input type="checkbox"/> Yes <input type="checkbox"/> No									
Sample was collected from: <input type="checkbox"/> bridge <input type="checkbox"/> boat <input type="checkbox"/> dock <input type="checkbox"/> shoreline <input type="checkbox"/> wade in									

Notes: _____

Total Time Spent Monitoring:(Includes travel to and from monitoring site; equipment preparation; sample collection; water's edge time; and time spent filling out data sheets. Round to the nearest 15 min):

Name: _____ Hours: _____ Name: _____ Hours: _____
 Name: _____ Hours: _____ Name: _____ Hours: _____

Lead Monitor Signature: _____ **Date:** _____

Once datasheets have been entered in the database, send original forms to your coordinator or:

Alliance for the Chesapeake Bay
 Attn: Chesapeake Monitoring Coop
 612 Hull St. Suite 101C
 Richmond, VA 23225