

EnviroDIY Field Visit Data

Enter all data online: wikiwatershed.org/drwi; password: drwi

Name(s): Bressler, Johnson, G. Sandi, Evans, MWS trainees

Site ID: MSPL25 LoggerID: SL249

Stream Name: UT to Plum Run Location: Berks County Cons. District office

GPS (Lat/Long): 40.378635 -76.012667 Date: 7/20/19 Arrival Time: 10:15 AM/PM? *EST/EDT?

Photos? Yes/No *EST=Eastern Standard Time; EDT=Eastern Daylight Time (Daylight Savings)

Precipitation last 24 Hours? Yes/No Amount: _____ Water Clarity (Clear, Cloudy, Muddy): clear

General Notes/ Photo Descriptions:

Master Watershed Steward sensor station training - people wading in stream caused periods of turbid water from approx 10a - noon.

SENSOR CLEANING (Recommended frequency: weekly or biweekly; monthly if only CTD sensor)

*Cleaned Sensors? Yes/No If Yes, exact time: 11:30 AM/PM? EST/EDT? *Clean >5 min. before grab sampling

GRAB SAMPLES (Rec frequency: Situational; for rating curves, collect when water is high/turbid or higher than normal conductivity)

Grab Sample Taken? <u>Yes/No</u>	Time collected (to minute): _____ <u>AM/PM?</u> <u>EST/EDT?</u>
Sample Number: _____	Volume: _____
Bottle Type: _____	Date Shipped: _____
Lab Sent To: _____	Notes: _____

*SENSOR STATION DATA TO MATCH WITH GRAB SAMPLE LAB RESULTS (Complete in field or office)

Sensor station Conductivity (uS/cm): _____	Time (military): _____	Not applicable	Always EST
Sensor station Turbidity (NTU): _____	Time (military): _____	Not applicable	Always EST

*For use in Turbidity/TSS and Conductivity/Chloride rating curve development. Record sensor station Cond and Turb data at time nearest to grab sample collection time. Can be completed in field (by accessing online data) or in office (online or download from microSD card). Acquire final grab sample lab results from Stroud Center (or lab that processed sample).

QUALITY CONTROL - WATER LEVEL DATA (Rec frequency: quarterly and/or more frequently as needed)

*Staff Gauge Height (m): <u>0.195</u>	Time: <u>10:30</u>	<u>AM/PM?</u>	<u>EST/EDT?</u>
*Sensor Station Water Depth (mm): <u>206.8</u>	Time (military): <u>9:35</u>	Not applicable	Always EST
^b QC Sensor Station Water Depth (mm): <u>207</u>	Time: <u>10:30</u>	<u>AM/PM?</u>	<u>EST/EDT?</u>
Offset (=Staff Gauge Height - Sensor Station Water Depth)(mm): <u>-11.8</u>			

a - Staff Gauge Height and Sensor Station Water Depth readings should be from about the same time (+/- 5 minutes).

b - Use metric ruler to measure from pressure transducer (white disc in CTD sensor) to water surface. Note - this depth measure may be slightly different from the sensor-measured depth but should be consistent over time.

QUALITY CONTROL - CHEMISTRY DATA (Rec frequency: quarterly and/or more frequently as needed)

Parameter	QC Hand-held Meter Result	QC Time	QC AM/PM?	QC EST/EDT?	Sensor Station Result	Sensor Station-Time (Military, EST)
Conductivity (uS/cm):	297	11:50	AM/PM	EST/EDT	277.3	10:55
Temperature (degC):	21.8	11:50	AM/PM	EST/EDT	21.92	10:55
Turbidity (NTU):			AM/PM	EST/EDT		
Dissolved Oxygen (mg/L):			AM/PM	EST/EDT		

QUALITY CONTROL CHEMISTRY FIELD METER INFORMATION

Parameter	Field Meter Brand/Model/Serial # or unique ID	Meter calibrated?	Standard	Calibration
Conductivity (uS/cm):	Hanna Dist 3 Stroud 4	Yes/No	1413	1413
Temperature (degC):	"	Yes/No	Factory	
Turbidity (NTU):		Yes/No		
Dissolved Oxygen (mg/L):		Yes/No		

SENSOR STATION MAINTENANCE

Sensors Submerged? Yes/No
If no or partially, describe in Notes.

Location of Sensors Changed? Yes/No
If yes, explain in notes. *Please consult Stroud Center before changing location of sensors.

Retrieved Memory Card? Yes/No
(Rec frequency for QC: quarterly if online; biweekly-monthly if not online)

Changed Batteries? Yes/No

Cleaned Solar Panel? Yes/No

Other sensor station maintenance? Yes/No
(If Yes, describe in Notes)

Notes (Describe specific sensor station management actions and any other issues):

Removed several small logs that were wedged in bank tree roots just upstream of sensors

OTHER IN-SITU PARAMETERS (e.g., Nitrate, Phosphate, Chloride, pH, Dissolved Oxygen)

Parameter	Result	Brand/Model

OTHER INFORMATION

Field Duplicate Taken of Grab Sample? Yes/No

Performed Cross Section Survey? Yes/No

Flow Measurement w/ Flow Meter? Yes/No

Flow Measurement w/ Neutrally Buoyant Object? Yes/No

Flow Measurement w/ another method? Yes/No

If Yes, explain in Notes