Water Quality Sampling

Water Chemistry Analysis

- pH
- ANC
- Sulfate
- Nitrate
- Nitrite
- Ammonia

- Total nitrogen
- Total phosphorous
- Orthophosphate
- Chloride
- Conductivity
- DOC

Prior to Sampling

- Bottles/syringes are labeled with site identification, date/time collected, and the names of samplers
  - Make sure numbers on bottles and field sheets match
- Labels covered with transparent packaging tape

MBSS Site: WIRH-102-B-2016   Date: 3/1/2016

Sampler: Smith   Time: 9:15

Field Sheets

- Make sure numbers on bottles and field sheets match

- Duplicates and blanks are also labeled

OTHER (SPECIFY)_____

SAMPLE LABELS

Verified by: ___JDS___

QC LABEL

Watershed Code				Segment			Type	Year			
W	I	R	H	A	J	B	B	2	0	1	6

(Letters only)

Dup. (D) or Blank (B): [D]   Verified by: ___JDS___

Sampling Collection

- Be sure to…
  - Triple rinse with stream water
  - Collect upstream from disturbed waters
  - Collect from middle of water column
  - Minimize air in sample
    - Syringes are filled to final volume of 55 mL after all air has been evacuated
    - Completely submerge bottles if possible
  - Keep samples on ice

Sample Storage and Shipment

- Samples are stored at 4° until shipped

- Samples are packed to avoid damage/leakage during transport (e.g. syringes are placed in plastic containers, bubble wrap, etc.)

- Chain of custody forms are completed and verified

- Samples are processed (filtered and fixed) within 48 hours of collection

Packing Syringes

- Verify sample
  - Volume $\geq$ 55mL
  - No air bubbles
  - Lock closed
- Place in separate container
- Protect plunger and lock with bubble wrap
- Tape container shut

For Carrier Shipping

NO carrier (UPS, FedEx, DHL, USPS) accepts leaky containers.

1. Place samples and ice or ice substitute in large trash bag inside cooler.
2. Seal bag.
3. Place paperwork in zip-top bag on top of sample bag.
4. Tape (clear packaging, not duct) cooler shut.
5. Affix shipping label.
6. Notify your lab of shipment.