*Tier 2 - Equipment Checklist*

Use this checklist to make sure that you have all the equipment you need based on what data you are collecting. Your Sample Analysis Plan and project coordinator will help ensure you have access to the proper equipment.

**General:**

* Safety Equipment
* Waders/boots
* Pen/pencil
* Notebook / Data sheets
* Decontamination solution spray for multiple sites

**Multiprobe calibration and reading:**

* Multiprobe (Hydrolab, Smartroll, Hannah, Oakton, etc)
* Tablet for Smartroll
* Deionized water
* Calibration Sheet
* Calibration Standards
  + pH 7
  + pH 4 (if low value expected)
  + pH 10
  + Conductivity 718µS or 1413µS
* Waste bottle
* Calibration Cup
* Barometric Pressure
* Data Sheet
* Pen/pencil

**Turbidity:**

* Secchi Disk
* Turbidity Tube

**Shipping:**

* Shipping labels
* Ice
* Cooler
* Shipping Address/FedEx Form

**Sample collection:**

* Sample Kit (provided, check project specific SAP to ensure completion)
  + Lab Sheet
  + Sample Bottles
* Sharpie
* DI Water
* Cooler
* Ice

As needed:

* + Dip sampler
  + Collection device
  + Filtering equipment
  + 0.45µm Membrane Filters
  + Glass filter (0.7 µm)
  + Filter apparatus
  + Pump (Hand pump/Geo Pump)
  + Forceps

**IDEXX Collection:**

* Sterile Sample bottles
  + Lake/Reservoir 3 per site
  + Streams/Rivers usu 1 per site
* Deionized water
* Thermometer
* Cooler
* Ice
* Data sheet

**IDEXX Analysis:**

* Collected Sample
* Gloves
* Quanti-Tray
* Colilert Reagent
* Incubator
* Sealer
* UV light
* Comparators
* MPN Table
* Marker

**Macroinvertebrate Collection:**

* D-net
* Sketch Paper
* Sample collection form
* Collection bottle
* Tape measure
* Waders

**Stream Flow:**

* Flow Meter
* Tape Measure (in 10ths of feet)
* Data sheet