**Discovery Sampling**

*eDNA filtering:*

*79 dive targets, 3 niskins per dive, 1 filter per niskin (237 samples in total)*

*Negative Control = START, 50, 100, 150, 200, END*

*Plankton sampling:*

*44 DBO sites, 1 sample per every other site (22 samples in total)*

**Materials**

General:

2 Tb flash drive

Collapsible crate

Action packers (4)

Toolkit #2

* Hose clamps
* Electrical tape
* Work gloves (L)
* Wrenches/screwdrivers/pliers/snips
* Scissors
* Box cutter
* Eye bolts
* Headlamp
* Tape measure

Gloves (3 L boxes)

Table bench cloth

Safety goggles (1)

Zip ties (small/large)

String

Bungees

Writing utensils and labels/labeling supplies (in plastic bag)

Forceps/tweezers

Razor blade

Kim wipes (2 boxes)

Aluminum foil (1 box)

Notebook (3; S/M/L)

Paper towels (3 rolls)

Tupperware Storage Boxes (2) - Missing one tupperware container

Ziplock bags (2 boxes of 60)

Rite-N-Rain Paper

Clipboard

Trash bags

Lab coat

Sterilization:

Buckets (4)

~~Bleach (2 gallon)~~

4 RO carboy

Bottle for RO water (already sterilized)

Bottle for ethanol

Bottle for bleach

eDNA Filtering:

Peristaltic pump (2)

Pump accessory bag (charger, etc.) (2)

255 sterivex filters (18 boxes)

510 end caps (6 boxes)

Whirlpacks (Quantity: 255)

1 L brown Nalgene bottles (Quantity: 64)

1 L brown Nalgene bottles with RO for NC (Quantity: 6) - 6 bottles returned

Tubing (Quantity: Lots)

~~95% ethanol (2 gallons)~~

95% ethanol (40 mL aliquots) (Quantity: 18)

P1000 and tips(6 boxes) - All tips were returned, but not the P1000

Female luer to ¼” barb connector (handful added)

Syringes (1 box 50 mL, 1 box 5 mL)

Parafilm

Caulking gun (backup if pump fails)

Plankton sampling:

25 pre-filled 50 ml falcon tubes (30-35 mL) - pre-label with station and date, parafilm

2-3 Metal spatula

Sieve (300 μm)

Packing for way home:

Coolers/blue ice for sample storage