

CHECKLIST

Field Monitoring Procedure

First of the month

- Check daytime low tide dates for your town.
- Select your day & reserve equipment.

Before you head out

- Print out Stormwater Monitoring Datasheets: <https://friendsofsalishsea.org>
- Fill out top of Field, Test Strip & Bacteria Datasheets.
- Determine rainfall for the past 24 hours: www.weather.gov. Enter your town in the box, select the closest weather station, hit enter. From options on the right, select 3-day history. Find your start time in the table.
- Assemble equipment and instruments.
- Turn on your YSI meter.

In the field, at each outfall

- Record your arrival time.
- Record the flow & air temps.
- Bacteria: Collect bacteria samples. Rinse container 3x & keep 4th fill.
- Turbidity: Rinse vial 3x & keep 4th fill.
- Wipe vial with microfiber towel to remove water, debris, & finger prints.

- Invert vial 3x gently & insert into meter. Record data on datasheet. If meter reading is 00.0, invert vial 3x gently again & re-read.
- Water Quality Test Strips: Follow procedure on datasheet.
- YSI Meter: Dip probe in water sample & stir gently for 15 seconds.
- Record readings on datasheet.
- DO will take longest. Swirl/stir probe quickly, but slow enough not to spill sample. When DO increases or decreases slightly in a random pattern record the value.
- Observations of outfall or creek. Record color, odor & visual indicators.
- Leave YSI meter on between sites.

Back at the lab

- Complete datasheet. Include end time.
- Photograph datasheets with smartphone & send to surveydatasheets@googlegroups.com; pdf preferred.
- Rinse out sample cup & vial of any sediment or debris.
- Turn off YSI meter & wipe instrument with clorox wipes. Remove grey vinyl probe cover and place probe in pink storage solution.

Equipment Checklist

- Map of sites
- Clipboard
- Datasheets for Field, Test Strips & Bacteria
- Field notebook
- Pen/pencil/Sharpie
- Hand sanitizer
- Plastic gloves (if preferred)
- YSI instrument – turn on before packing in backpack
- Field thermometer
- Sampling cup or bucket
- Sampling pole
- Phone
- Turbidity meter, vial, and cloth
- Water Quality Test Strips, test tube, distilled water
- Bacteria sampling containers (one for each outfall, plus one additional for a duplicate sample)
- Cooler and icepack for bacteria samples (if used by your town)
- Backpack