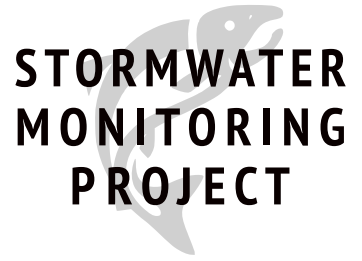


# Field Datasheet



City		Date	
Investigators		Start Time	End Time

Tide Height +/- ft		Tide Time				Past 24hr Rainfall	
Weather (circle)	Sun/Clear	Part Cloud	Overcast	Rain-Light, Mod, Heavy		Snow	↓ DRY OUTFALLS ↓
Site ID							
Arrival Time							
Flow: T, M or H						Thresholds Outfall Creek	
Flow compared to expected based on rainfall (circle)	Higher Normal Lower	Higher Normal Lower	Higher Normal Lower	Higher Normal Lower	Higher Normal Lower	unexpected high or low flow	
Air Temp °C							
Water Temp °C						> air T	>16°C or >17.5°C
DO mg/l						< 6 mg/l	< 10.0 mg/l
SPC µS/cm						> 500 µS/cm	
Salinity ppt							
pH						< 5 or > 9	< 6.5 or > 8.5
Turbidity ntu						> 50 ntu	site specific
Color	Rank 0-3					any non-natural  phenomena	
	Describe						
Odor	Rank 0-3						
	Describe						
Visual	Rank 0-3						
	Describe						
Bacteria Bottle #							

Notes:

## Protocol Reminders

- **YSI meter** – turn on before you leave to sample and leave on between sites.
- **Flow** - do not monitor/sample stagnant/pooled water. There **must be an observable flow**.
- **Rinse** all containers (buckets, cups, bottles, vials, etc.) **3 times EACH** with outfall/creek water and keep 4<sup>th</sup> fill to sample/monitor.
- **Collect samples directly from outfall or creek** for bacteria and turbidity, when possible.
- **DO** - swirl YSI probe quickly, but slow enough not to spill sample. When DO value increases or decreases slightly with a random pattern record the value.
- **Turbidity: wipe off vial** to remove water drops, debris, and finger prints. **Gently invert 3 times** before testing.

## Guide to Filling Out Worksheet

- **Investigators:** list all who are present. This is how we track volunteer hours for grants.
- **Tide:** record tide at start of sampling, example - 0.25' @ 13:14
- **Past 24hr Rainfall:** using the website <https://www.visualcrossing.com/weather.data> enter your town in the box below 'Weather Data Now' and select history. Summary page has rainfall.
- **Air Temp:** read on YSI meter while it is shaded and protected from the wind.
- **Flow:** record appropriate letter; Trickle = fills 16 oz. cup in 2 minutes, High = fills 16 oz. cup in 5 secs, Moderate = anything in-between and N = none. If the flow is greater than expected based on previous rainfall, circle Y.

Color Severity Scale		Odor Severity Scale		Visual Severity Scale	
0	None	0	None	0	None
1	Faint - faint color in sample	1	Faint - odor barely noticeable	1	Few/slight
2	Moderate - color clearly visible in sample	2	Moderate - odor easily detected	2	Moderate
3	Intense - color clearly visible in outfall flow or creek	3	Strong - noticeable several feet away	3	Excessive/severe

- **Color:** Observations may include brown, reddish brown, light green etc... Record the color seen followed by the 0-3 severity rating. Ex: Brown (3).
- **Odor:** Observations may include sulfur, fossil fuel, sewer, perfume... Record the odor smell followed by the 0-3 severity scale. Ex: Rotten Eggs (2).
- **Visual:** Observations may include sheen, floaters, foam etc... Record the visual followed by 0-3 severity scale document. Ex: Sheen (1).
- **Any condition rated >0:** photograph and describe in Notes.

## Back at the Lab

- Complete data sheet. Include completion time.
- Snap photo of worksheet with smartphone and send to [surveydatasheets@googlegroups.com](mailto:surveydatasheets@googlegroups.com)
- Rinse out sample cup and vial of any sediment or debris.
- Wipe down YSI instrument with Clorox wipes.
- Remove grey vinyl probe cover and place probe in pink storage solution.

For additional resources and instructional materials visit: <https://friendsofsalishsea.org/>