

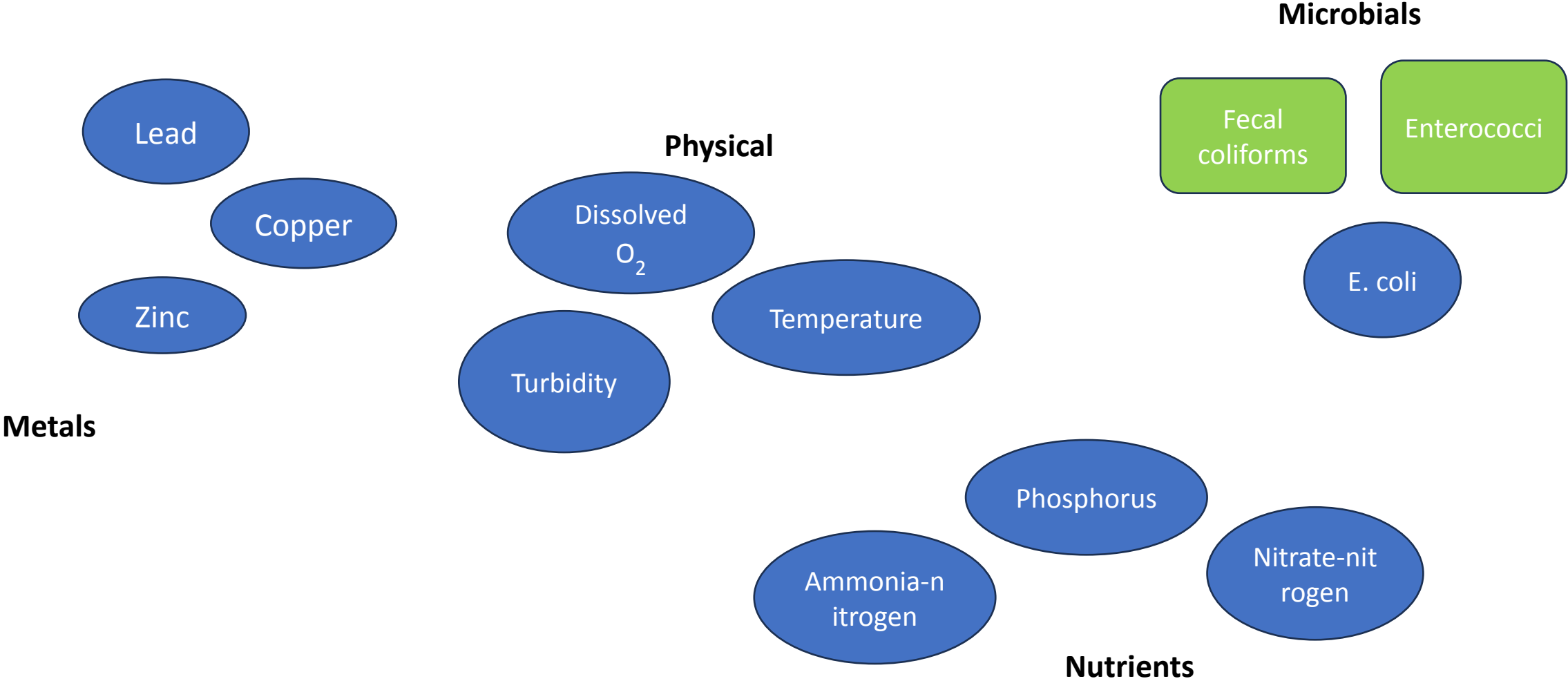
# Water Quality Sampling 2022

How does it support our targets?

# Water Quality Results 2022 – Big Messages

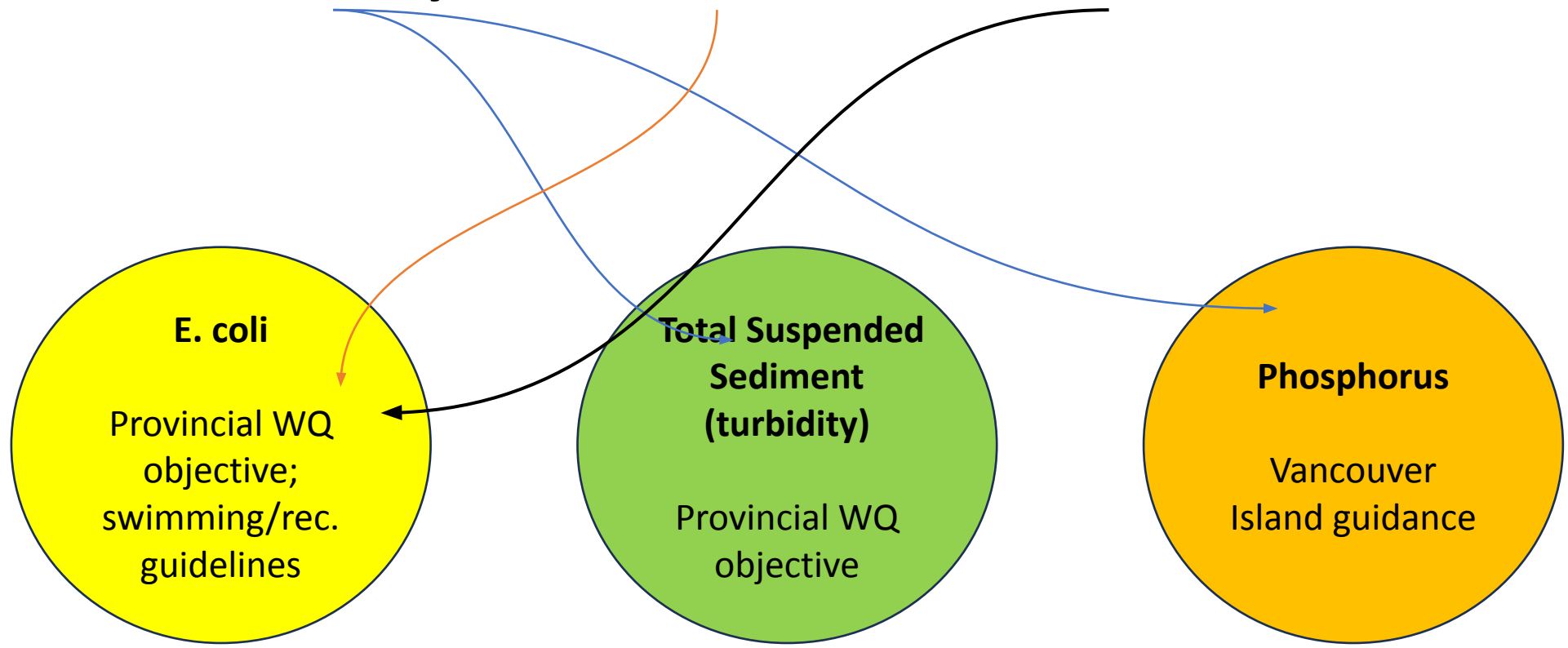
1. How do the results inform the target and indicators?
2. CWB discussion and direction to the Working Group
  - What questions do you have for the working group?
  - What direction do you have for the 2024 sampling?

# A lot of things were measured...



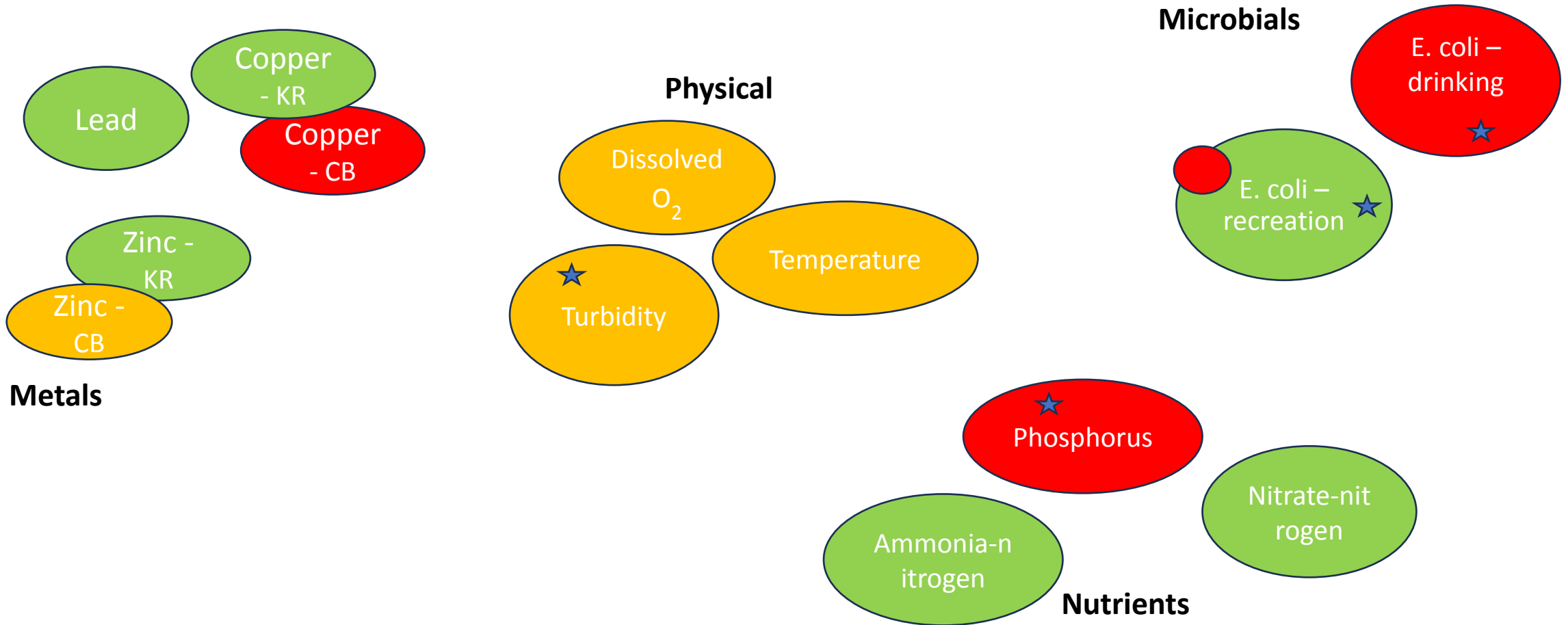
# Water Quality Target:

We want fish-friendly, swimmable, and drinkable water in our watersheds.



Indicators

# 2022 Results - Freshwater



Recreation:  
**200**  
CFU/100ml

← E. coli objectives: →

Drinking:  
**10**  
CFU/100ml

2012:  
**180 to 4200**  
CFU/100ml

2013:  
**10 to 230**  
CFU/100ml

2022:  
**10 to 150**  
CFU/100ml

# 2022 Results – Marine (recreation, cultural)

Enterococci

Site	Summer	Fall
CBM1	2	10
CBM2	3	19
CBM3	2	26
CBM4	2	36
CBM5	5	9
CBM6	33	37
CBM7	19	59
CBM8	54	108
CBM9	21	37

Float homes

# Water Quality Report Card

## **Fish-friendly**

- Concerns around phosphorus and potential impacts on dissolved oxygen
- Oxygen and temperature need to be watched closely

## **Swimmable**

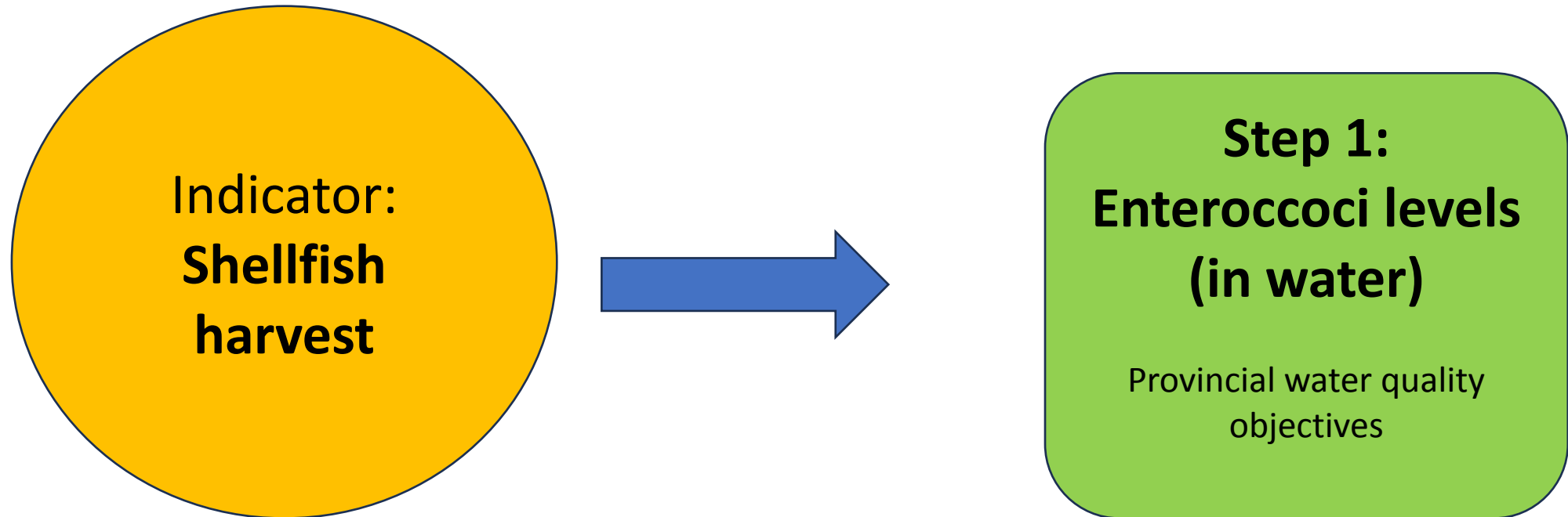
- Generally good for freshwater
- Not acceptable around float homes

## **Drinkable**

- Not drinkable



# Estuarine Health Target: Under revision



# 2022 Results – Shellfish Harvest

Fecal coliforms

Site	Summer	Fall
CBM1	3	7
CBM2	8	7
CBM3	15	4
CBM4	4	34
CBM5	16	8
CBM6	32	30
CBM7	24	36
CBM8	37	163
CBM9	14	47

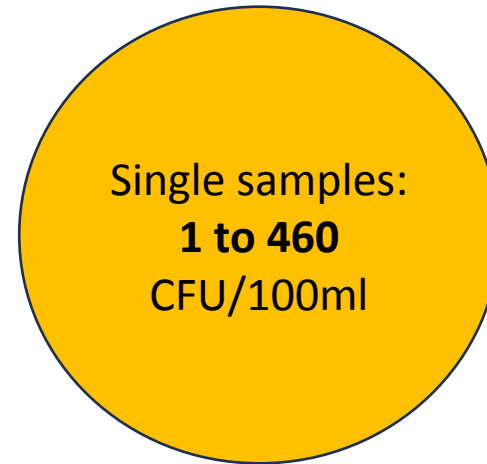
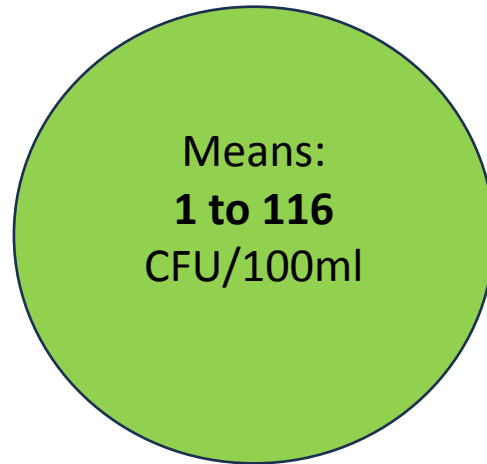
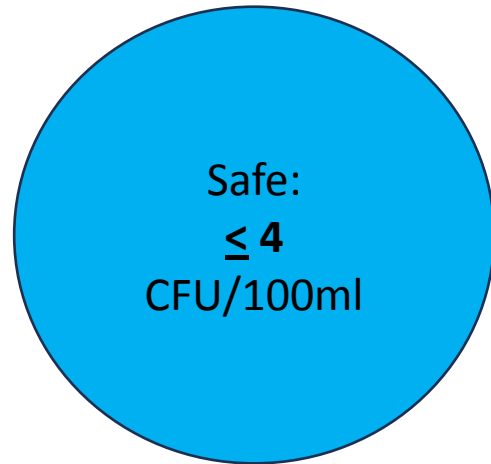
Float homes

Enterococci

Site	Summer	Fall
CBM1	1	13
CBM2	6	20
CBM3	1	20
CBM4	2	42
CBM5	4	9
CBM6	39	38
CBM7	50	53
CBM8	64	116
CBM9	25	31

# Estuarine Health Report Card

**Shellfish are not safe to harvest**



# Discussion

- Comments
- What questions or direction do you have for the working group?
- What might you want to know more about from the 2024 sampling in the upper Cowichan River?

Working Group – Terms of reference  
(for approval)

# Working Group - Terms of Reference

**The purpose** of the Working Groups is to:

- collaborate,
- share knowledge,
- make recommendations, and
- provide technical advice

to the CWB in support of setting, reporting on, and collectively working toward achieving targets for watershed health.

With this goal, Working Group meetings provide a forum for:

- information exchange of projects underway or completed;
- developing work plans for shared priorities that address watershed issues, contribute to the local knowledge base, and provide stewardship tools; and
- tracking and reporting out to the CWB on progress being made toward achieving the targets and indicators.