

Beach Water Quality Sampling

Department of Health
Clean Water Branch
Troy Maeda – Monitoring Section



WHAT WE DO

- Monitor the water quality of beaches statewide
 - Approximately 440 beaches
 - Oahu average: 48 per week
- Oahu, Maui, Kauai, Kona, Hilo



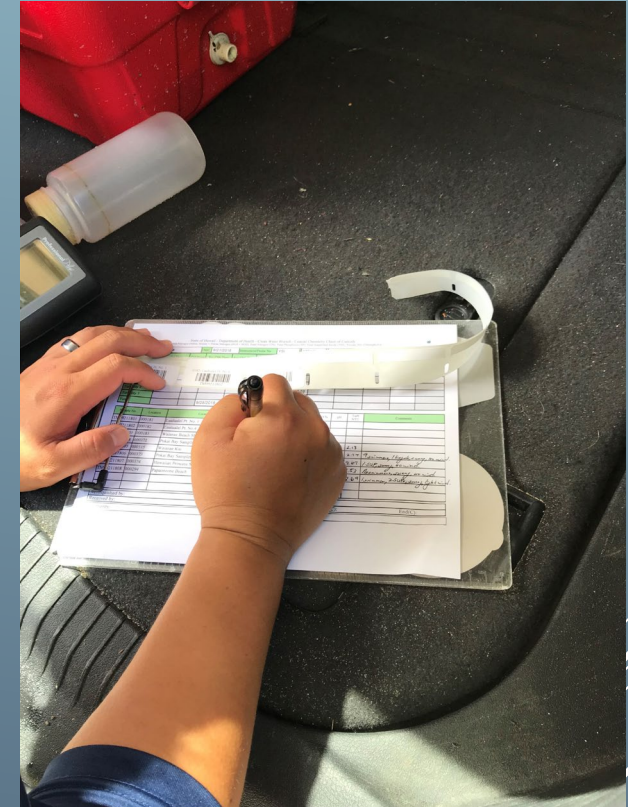


WHAT DO WE TEST FOR?

- Enterococcus
 - Coliforms/100mL

SAMPLING PROCESS

- Equipment:
 - YSI Pro Plus
 - Hach Turbidimeter
- Measurements:
 - Salinity
 - pH
 - Temperature
 - DO concentration
 - DO percentage
 - Turbidity
- Samples taken to the lab for processing





POST-PROCESS

- Results are received from the lab and analyzed
- EPA-recommended bacterial threshold value
 - 130 enterococcus/100mL

ADVISORIES

- Brown Water
- Bacterial Exceedance
- Sewage Spill
- Permanent



QUESTIONS?



Troy Maeda
DOH – Clean Water Branch

e-mail: troy.maeda@doh.Hawaii.gov