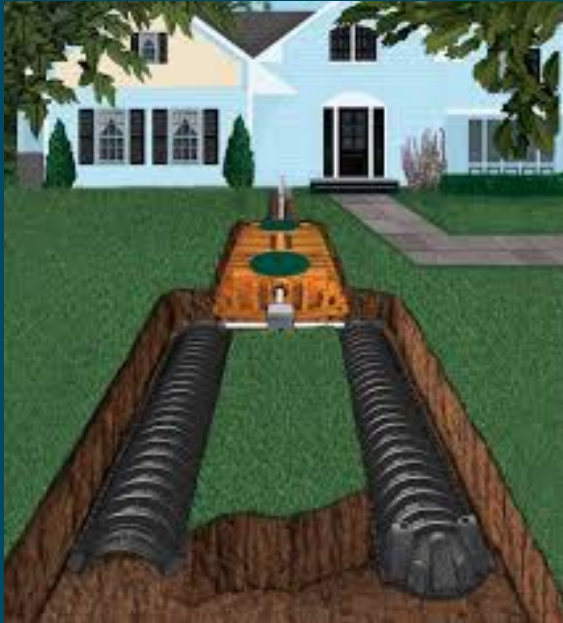


Keeping Our Waterways Clean

How KPHD's septic & water quality programs work together to protect public health



Onsite Sewage Systems



Presented by:
Kim Jones
Program Manager



KITSAP PUBLIC HEALTH DISTRICT

Our Staff



What is an onsite sewage system?

Onsite sewage systems, also known as septic systems, treat wastewater from private residences, restaurants, or other situations where flows are less than 3,500 gallons per day.



Fun Facts



- Currently, there are more than 57,000 onsite sewage systems in Kitsap
- Of those, 12,500 are alternative (not gravity or pump to gravity)
- The average age of a septic system in Kitsap is 33 years old.



New Construction

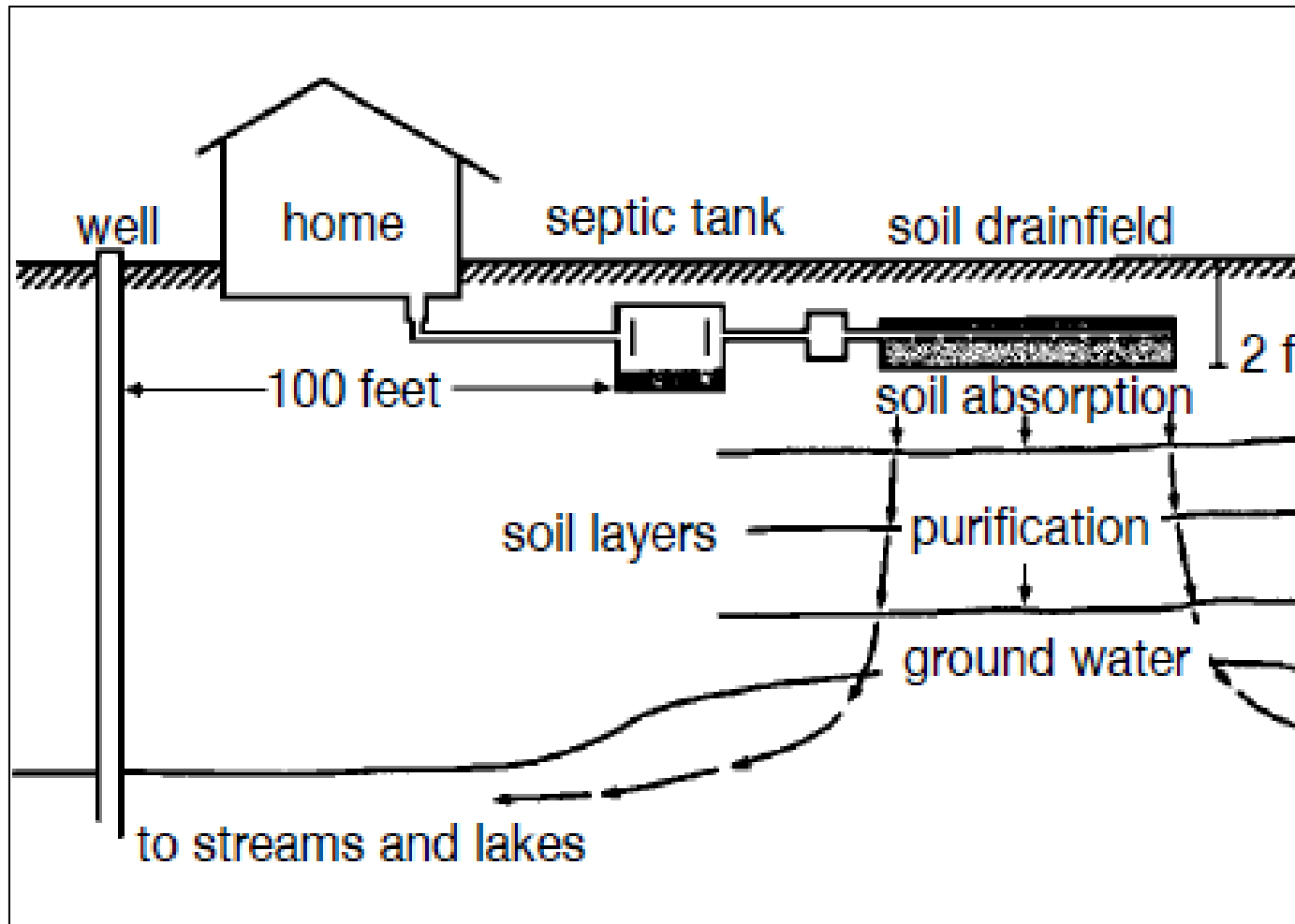
Evaluating and approving locations of septic systems in accordance with State and Local Ordinances.

Review for:

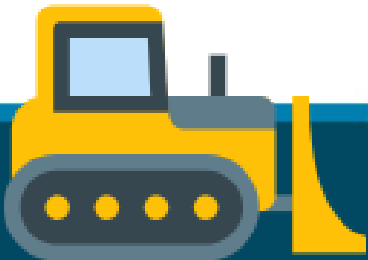
- Site conditions
- Setbacks
- Soils
- Water supply



What are we looking for?



Construction of Septic Systems



Ongoing Monitoring & Maintenance



What happens when a system fails?



- Septic designer completes failure diagnosis and submits a repair plan
- Inspectors review and approve or work with the designer to make changes so we can approve.
- Installer takes out a permit to install the repair.



Drainfield Repairs



Staff inspected 201 repair drainfield installations In 2022.

Correcting a failing septic system that has been identified through maintenance reports or pollution identification and correction (PIC).



KITSAP PUBLIC HEALTH DISTRICT Water Pollution Identification and Correction Program



Common Sources of Fecal Pollution

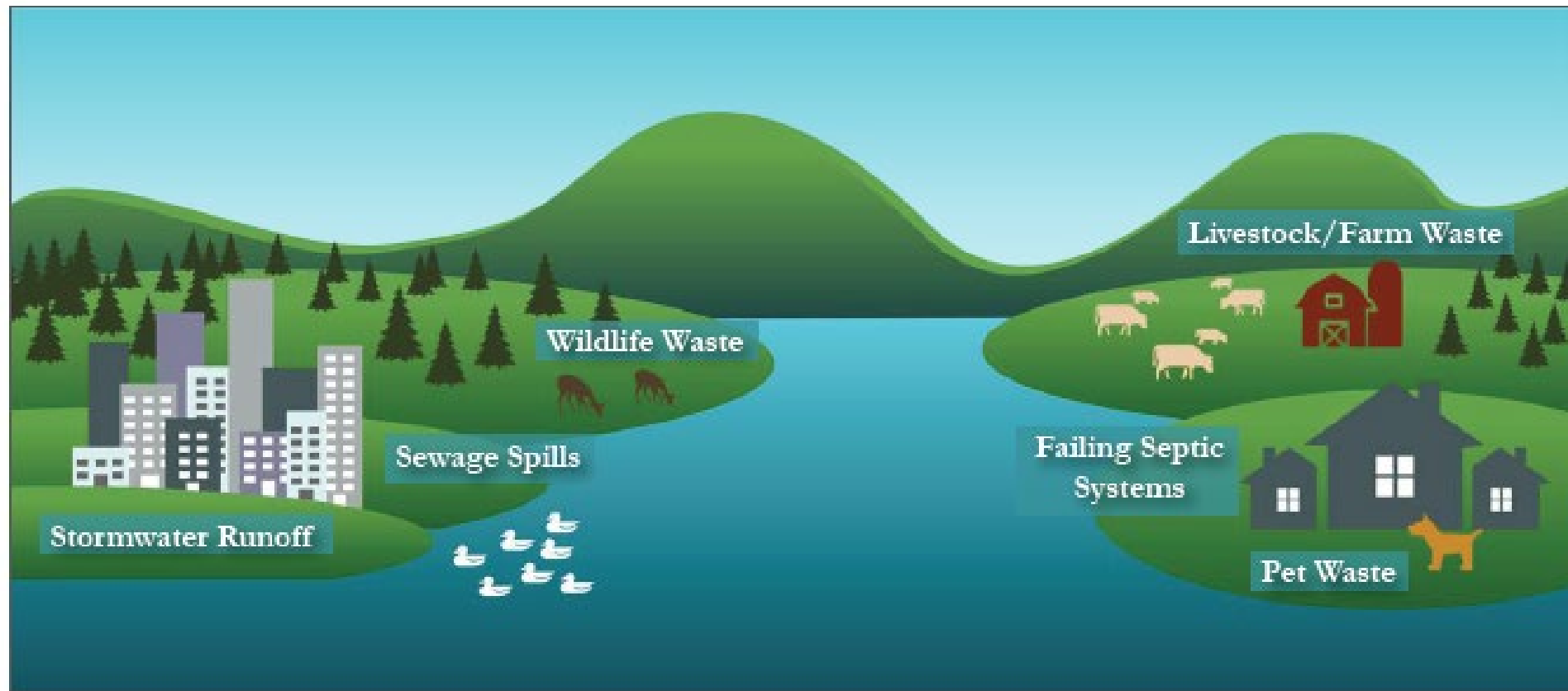


Illustration by Angie Berger



SHERIFF

F. BROWN

PUBLIC HEALTH

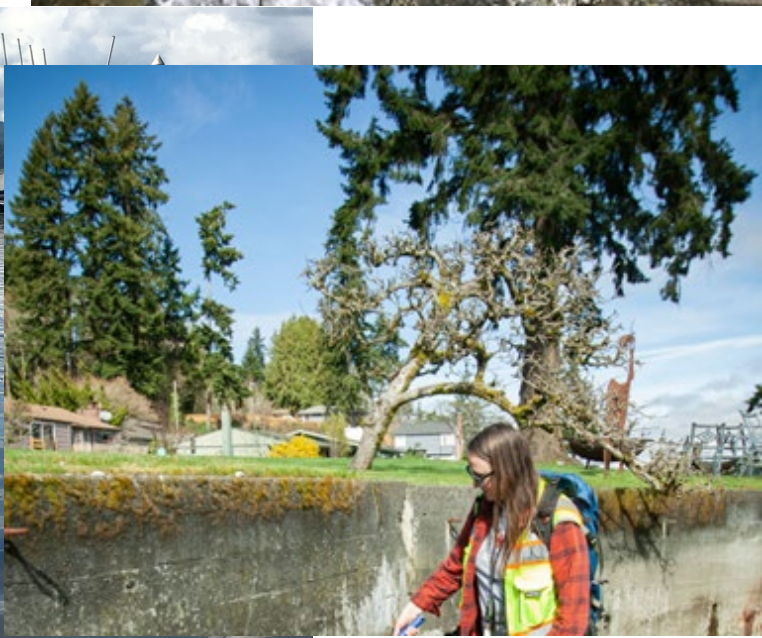




PIC Program Duties & Responsibilities

- Public Health Complaints & Pumper Reports
- Streams, Lakes, Beaches, Shellfish and Shoreline Monitoring
- Water pollution & septic education
- Pollution Investigations on streams, shorelines, and shellfish growing areas
- Informing the public of fecal pollution concerns





PIC Program Staff





Tracking pollution for a healthier Chico Creek watershed





WARNING

SEWAGE SPILL

A sewage spill has occurred in this area.

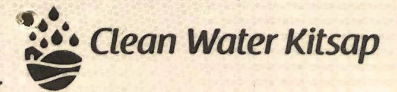
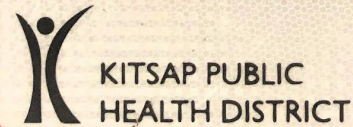


Avoid contact with nearby surface water.



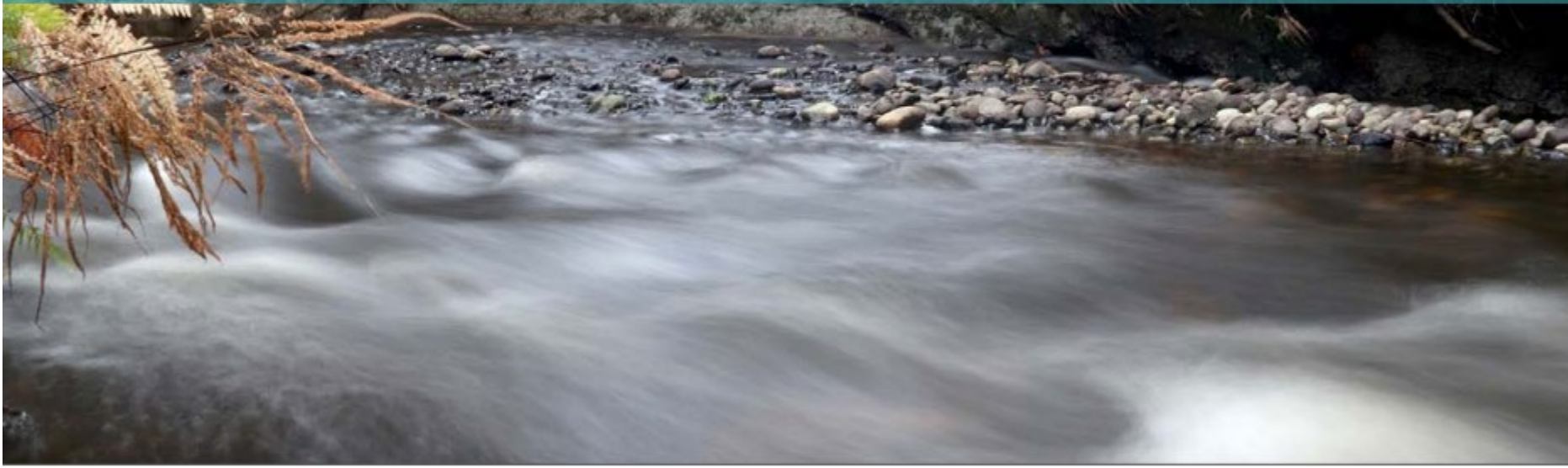
Do not harvest shellfish from any adjacent beaches.

For more information, contact the Kitsap Public Health District at (360) 728-2235





2022 Water Quality Report

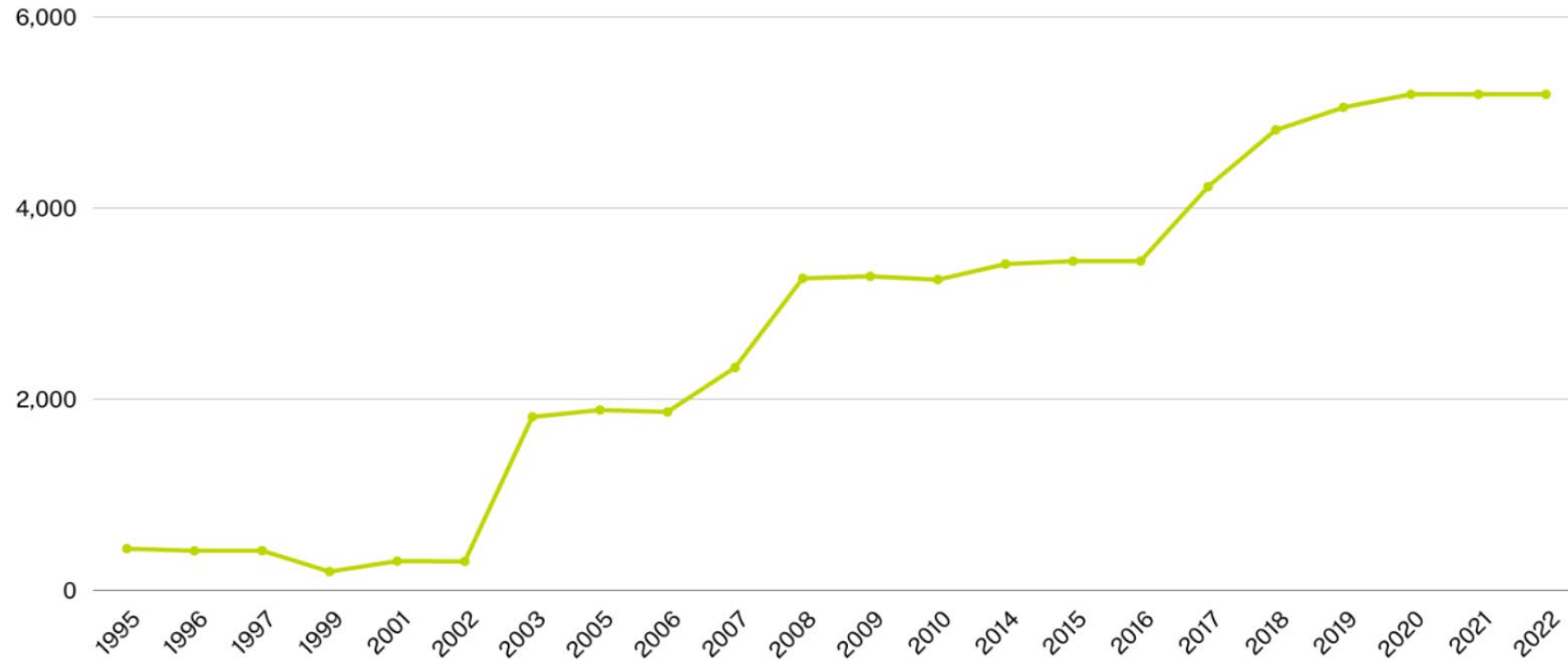


Protecting public health,
preventing pollution



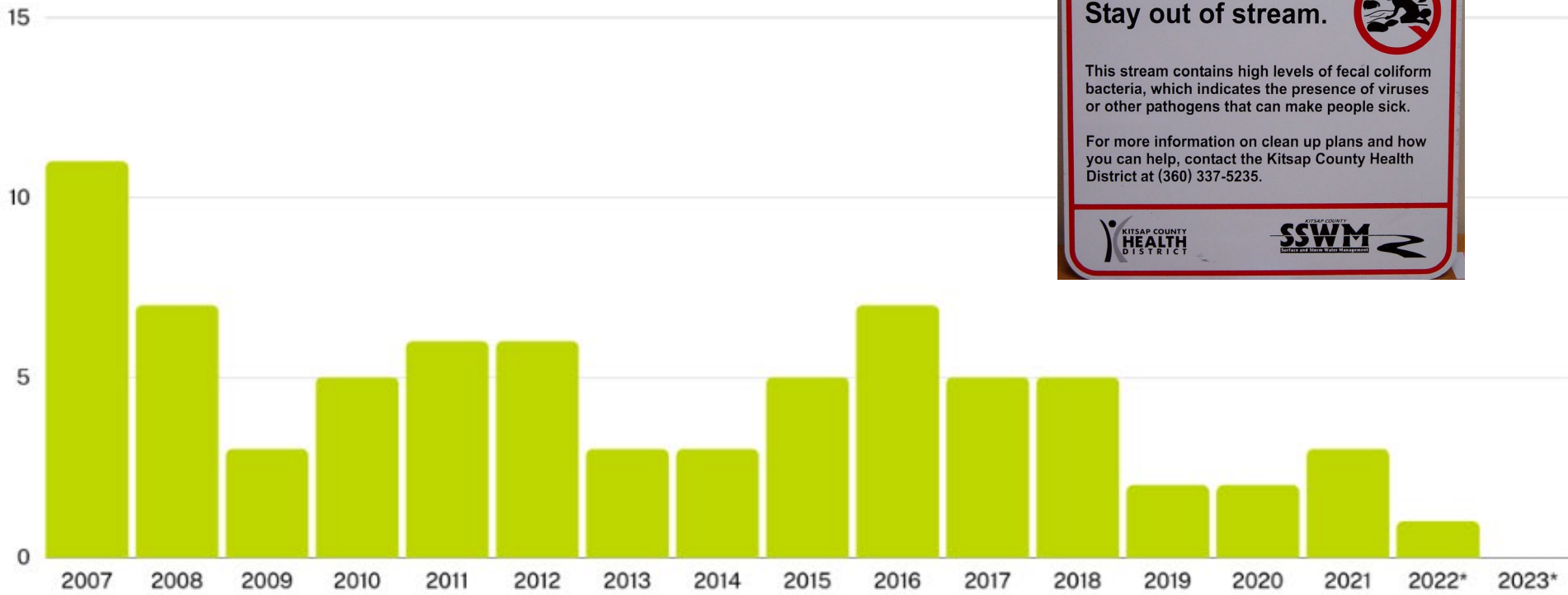
Shellfish Harvesting Areas Approved

CUMULATIVE ACRES OF SHELLFISH BEDS APPROVED SINCE 1995



Cumulative acres of shellfish beds approved since 1995.

Public Health Stream Advisories



WARNING

STREAM POLLUTED

Stay out of stream. 

This stream contains high levels of fecal coliform bacteria, which indicates the presence of viruses or other pathogens that can make people sick.

For more information on clean up plans and how you can help, contact the Kitsap County Health District at (360) 337-5235.

The Freshwater Standard

Part 1: Annual GMV <100 EC per 100 ml

Part 2: Not more than 10% of all samples collected for calculating geomean > 320 EC/100 ml

This report notes how each stream performed under the state standard based on bacteria levels:



Met standard: The stream had **low bacteria** levels and met both parts of the standard.



Met part 1 of standard: The stream had **periodic high bacteria** levels and failed part 2 of the standard.

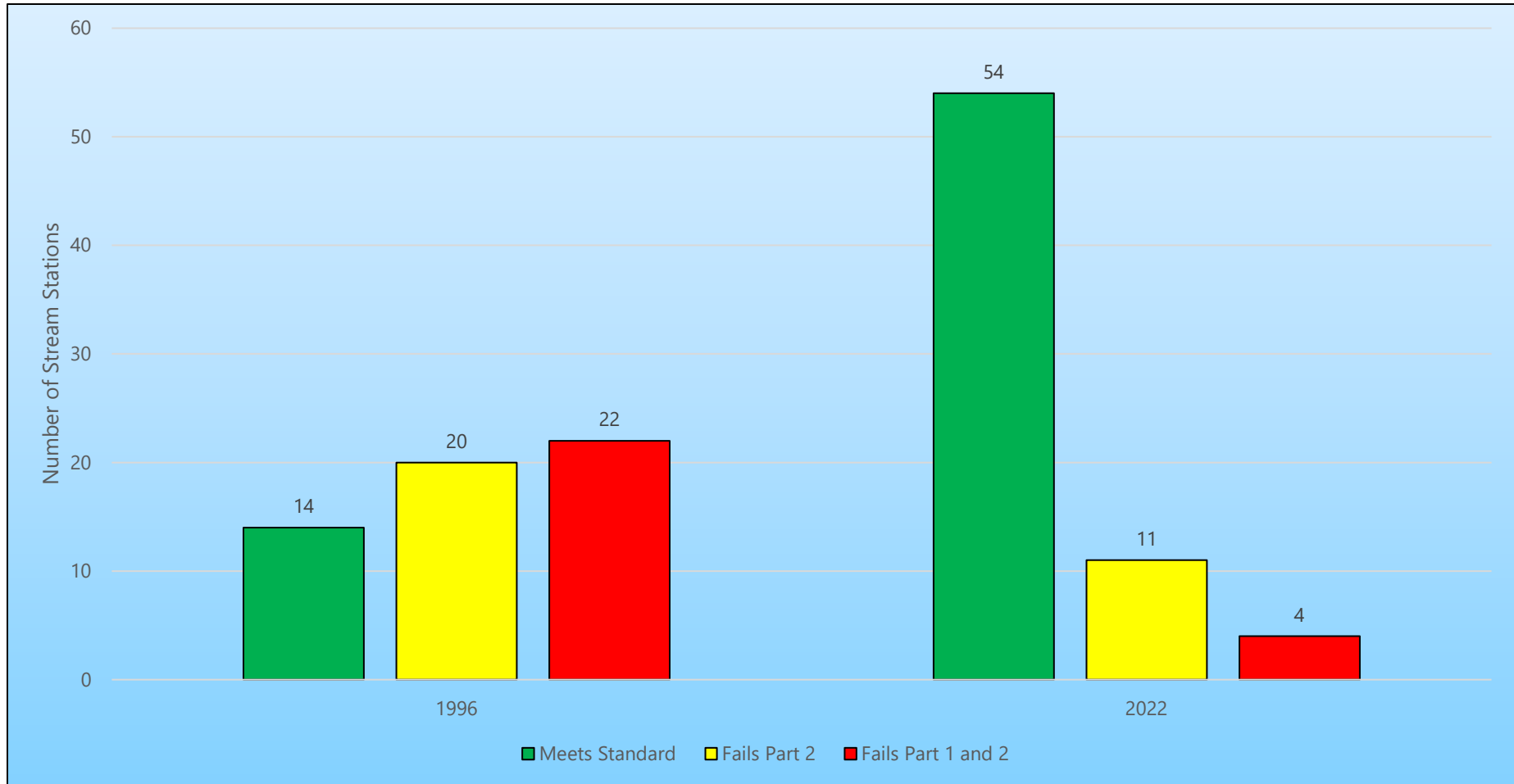


Failed standard: The stream had **high bacteria** levels and failed both parts of the standard.

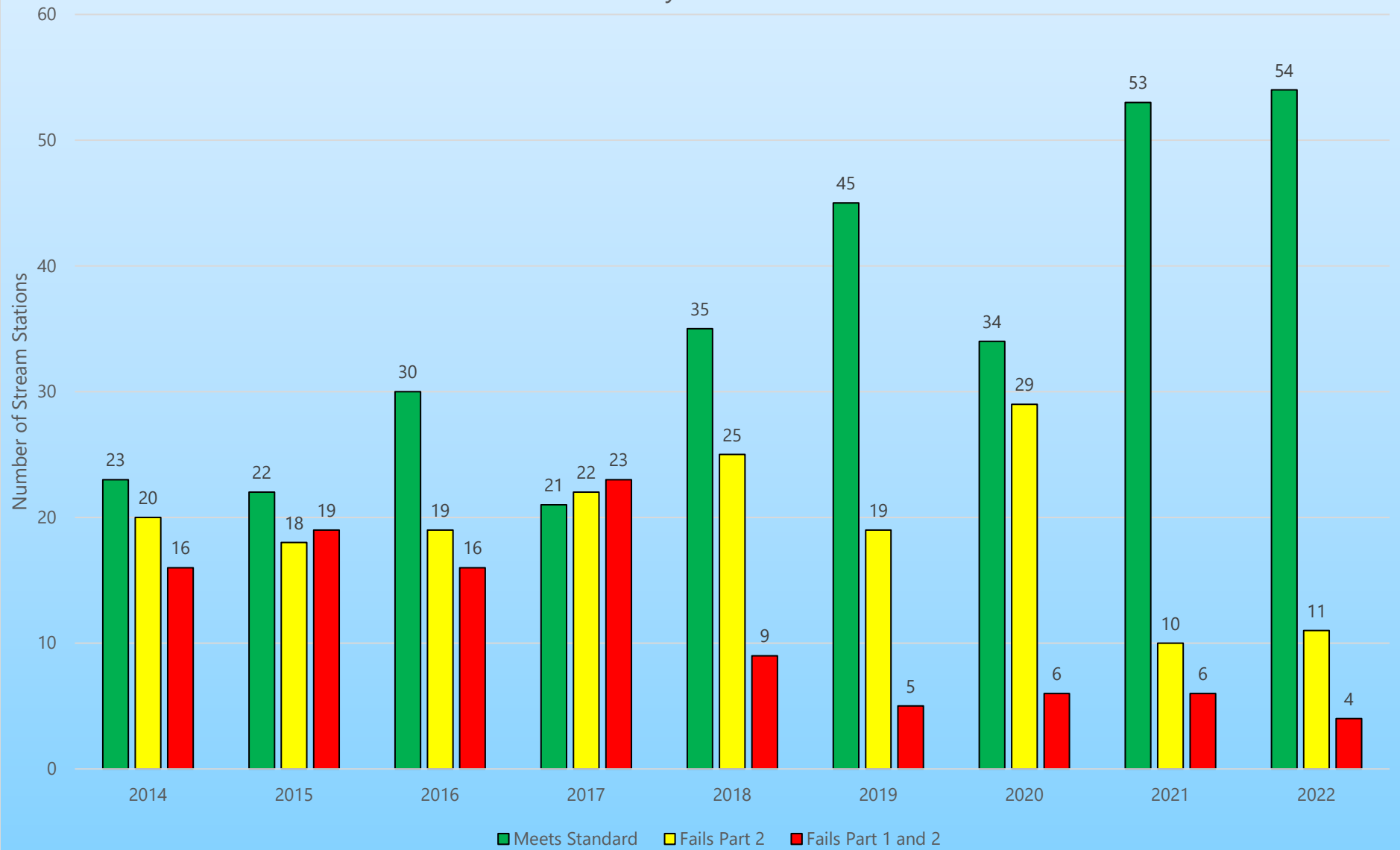


Stream Water Quality Comparison

1996 vs. 2022



Stream Water Quality



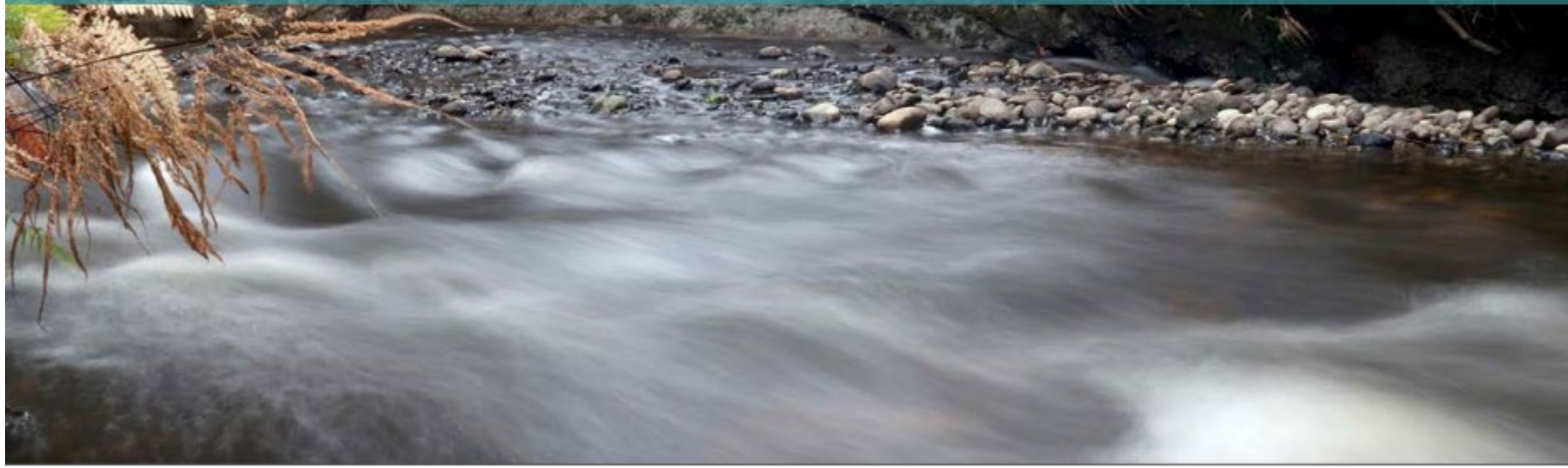
Water Quality in Kitsap Lakes



Public Health Advisories for Lakes

AREA	ADVISORY	DATES
Island Lake County Park	 E. coli bacteria	June 10-16, 2022
Island Lake County Park	 E. coli bacteria	July 8-13, 2022
Island Lake County Park	 E. coli bacteria	June 24-29, 2022
Long Lake	 Cyanobacteria	Aug. 16-Oct. 11, 2022
Kitsap Lake Park	 E. coli bacteria	Aug. 19-25, 2022
Kitsap Lake	 Cyanobacteria	Sept. 19-Dec. 12, 2022

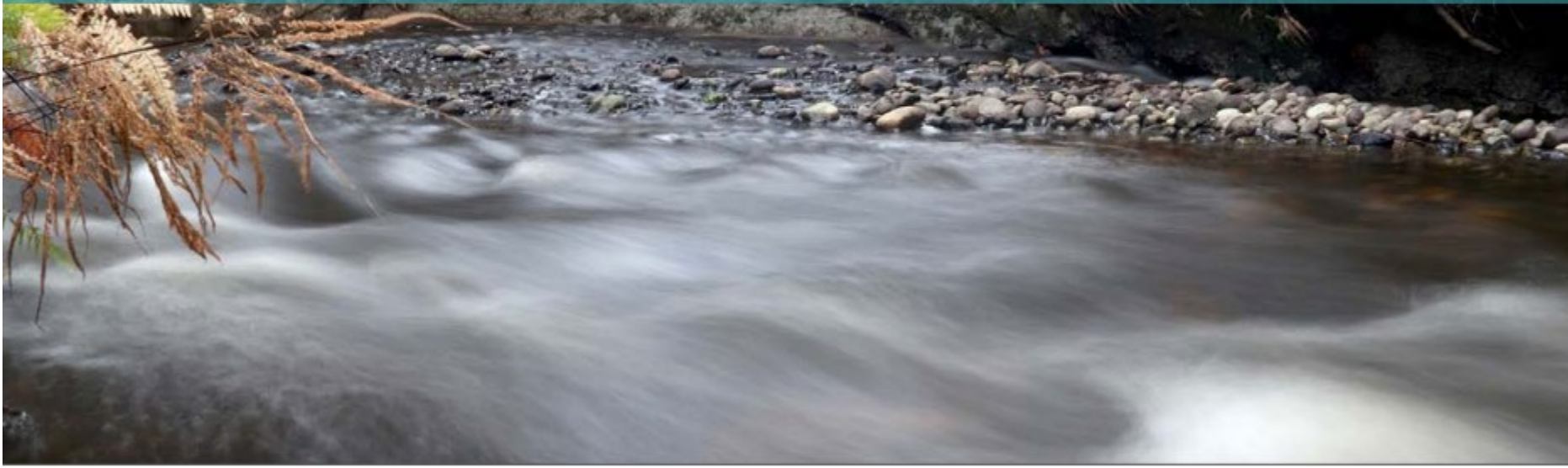
2022 Water Quality Report



[Water Quality Report Story Map](#)



2022 Water Quality Report



Questions ?

