

# Recreational/Ambient Waters Program

## 2020 Season Recap

- 495 sample numbers generated
- 420 samples analyzed by the KCEL (+~63 Moses Lake)
- 135 over recreational guidelines for microcystin (12 > 1,000)
- 15 over recreational guidelines for anatoxin-a (2 lakes > 100)
- No saxitoxin or cylindrospermopsin samples over guideline

## Update on guidance and response planning efforts

- DOH will provide update on guidance to 2 Tier System and new signage for risk communication

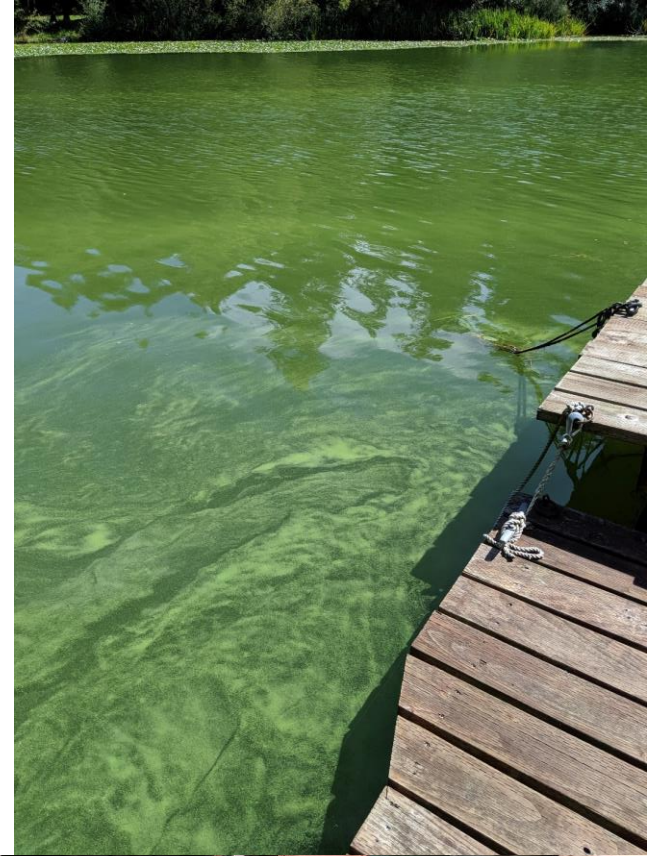




# Recreational/Ambient Waters Program

## Updates on monitoring/analysis tools development

- 2020 - History of cyanobacteria in Spanaway Lake using a dated sediment core. Establishes the historical prevalence of cyanobacteria in the lake using algal pigment remains and sediment-toxin concentrations. Analysis mostly complete, report in 2021.
- 2021 - Weekly monitoring of microcystin production in Spanaway Lake. Intensive monitoring of cyanobacteria communities, water column nutrient concentrations, microcystin genes, toxin concentrations and microcystin variants. Goal is to understand associations between nutrient dynamics, cyanobacteria communities and microcystin production. This is continued work towards developing possible “early-warning” indicators.



# Guidance and Response Planning

## *DOH 6-Month CyanoHAB Project Funding*

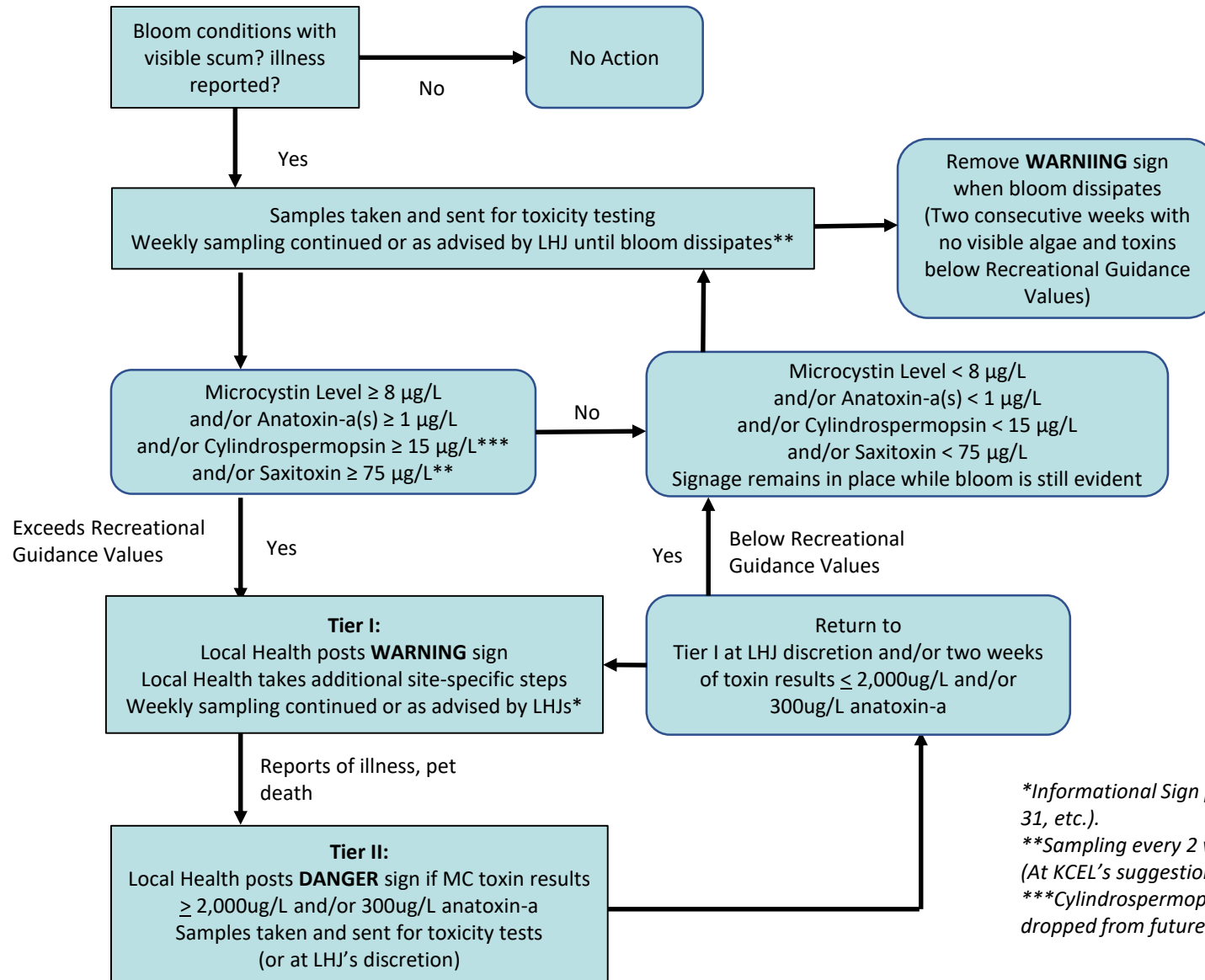
- 1. Update Protocols** – Incorporate EPA Guidance Values  
Lake Management – from 3 to 2-Tiered Approach
- 2. Update Signs** – Languages/Icons/Informational Sign
- 3. Standardized Incident Reporting-**  
DOH working with CDC (OHHABS) & LHJs working with DOH – 3 more webinars in prep

## *Looking Forward*

- CDC EHC Grant – Identify LHJ monitoring needs/incorporate weather data & risk dashboard
- Clinician Outreach
- CHAB Toolkit



# Guidance: 2-Tiered



\*Informational Sign posted at LHJ's discretion (all year, June 1 – October 31, etc.).

\*\*Sampling every 2 weeks is an option if there is an ongoing dense bloom (At KCEL's suggestion in order to lower number of samples/season).

\*\*\*Cylindrospermopsin and saxitoxin will be dropped from future analyses if not detected in the first sample.





# Drinking Water Program

- 2020 - No reports of impacted public drinking water supplies
- Guidance & Response:

## *Algal Bloom Management & Response plan for Surface Water Systems*

- Monitoring/Sampling/Analysis Protocols – Raw & Finished DW
- Treatment Guidance/Communication & Public Notices, etc.

[Dealing with Algal Blooms: Time to Make a Plan. Guidance for Developing an Algal Bloom Management and Response Plan \(331-654\), Sept 2020.](#)

## Dealing with Algal Blooms: Time to Make a Plan

### Guidance for Developing an Algal Bloom Management and Response Plan

331-654 • 8/31/2020

