

# OHA'S CYANOHAB PROGRAM



2020 PROGRAM  
REVIEW  
HIGHLIGHTS  
PILOT PROJECTS

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# CyanoHAB Highlights 2020

## **Advisories: 7 issued but only 4 Lakes**

- Upper Klamath Lake: 3
- Tenmile Lake: 2
- Odell Lake: 1
- Willow Creek Reservoir: 1

## **Reason for these advisories despite COVID-19**

- UKL & WC: Consistent monitoring every summer
- Odell: DEQ provided WQ & bloom analysis all summer
- TML: Concerned county health director



## Reduced Advisories – Why?

### **1<sup>st</sup> full season under COVID-19 restrictions**

- Stress on resources and reduced field work

### **Of 25 lakes with identified blooms**

- 17 sampled low/no toxins detected (incl. LBC)
- 8 were not sampled
- No blooms identified in WR or Ross Island Lagoon

### **Possible reasons for low toxins?**

- Dense smoke from several large fires?
  - Reduced sunlight (absorbing & scattering suns rays)
- Other suggestions?



# CyanoHAB Highlights 2020

- **HABs Leg workgroups convened**
  - Leg concepts drafted
  - 3 HABs HB introduced: 1 for OHA
- **Increased use of satellite data**
  - When to alert managers/Where to sample
  - Working on protocol for using sat data for advisories
- **Completed CHAB Toolkit for LPHAs**
- **ASTHO podcast on CHABs** (rec & DW sampling & Salem DW incident in 2018)
- **Working on promoting marine HAB illness reporting**



# Domestic DW Intakes, Systems & Toxins

**CDC awarded OHA a 5 yr grant to fund a pilot project on Siltcoos Lake in Lane Co**

**OHA working w/private intake & in-home treatment system owners on cyanotoxin impacts & exposures**

**Project elements include:**

- Engaging owners & the community in the project
- Providing outreach, education & guidance
- Facilitating projects and activities in community
- Providing support & technical assistance

**We hope to use lessons learned & guidance developed on other Lakes with these systems**



# Toxins & Domestic DW Intakes & Systems

## Issues

- Unregulated systems: No DW requirements
- Difficulty connecting w/affected owners during C-19
- Getting owners and the community to care
- Treatment, resources & infrastructure limited
- Grant does not provide for sampling or analysis

## Unknowns

- Contact information for many owners
- Types of filtration and treatment used (effective or not?)
- Vacation or long-term rentals? (Exposures beyond homeowners)



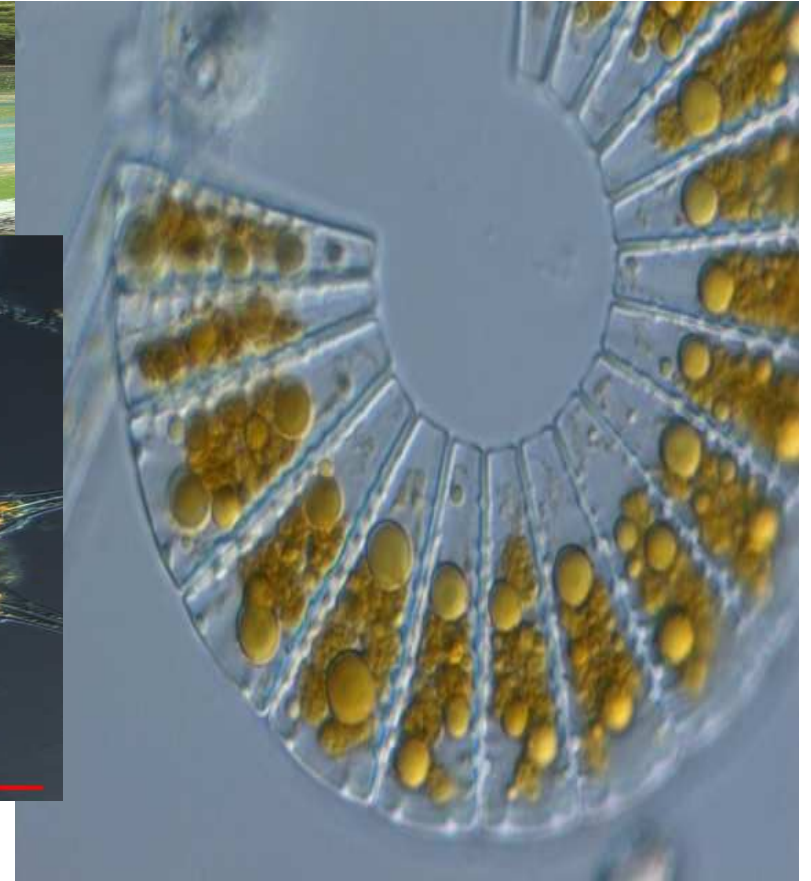
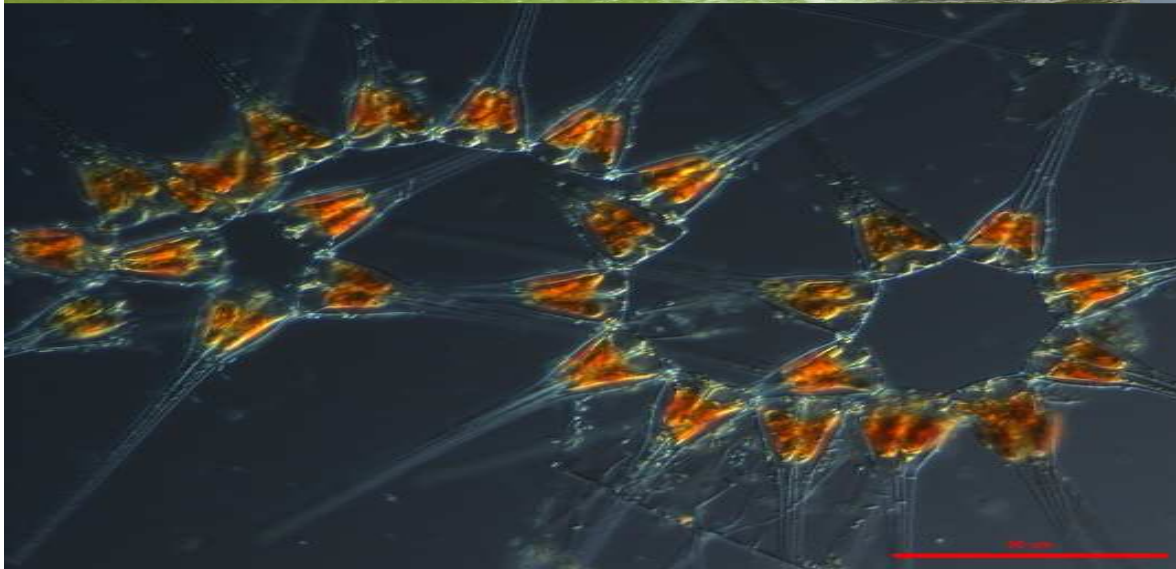
## Beyond 2020

### **If COVID restrictions continue into 2021 season**

CyAN and DEQ satellite apps – good tools for alerting public & potentially issuing advisories

- **Must have buy-in from WB managers**
  - In place through life of bloom (no sampling)
  - Sample/analysis required to lift once bloom gone
- **OHA HB provides funds for enhanced SH involv, sample coord, & education and outreach efforts**
- **Working on guidance for benthic CHABs**
  - Working with R8 (CA) & ITRC over the next year

## Additional information



[www.healthoregon.org/hab](http://www.healthoregon.org/hab)

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