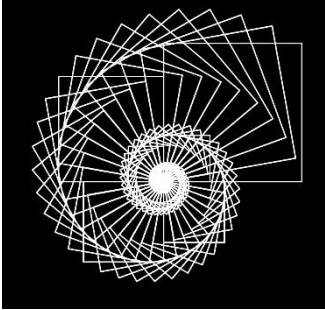


# Comprehensive Cyanobacteria Toxin Response Plan for Salem's Drinking Water

- Monitoring the North Santiam Watershed
- Water Quality Sampling
- Geren Island Water Treatment Operations
- Procedures for Entering a Health Advisory
- Emergency Drinking Water Distribution
- Strategic Communications Plan



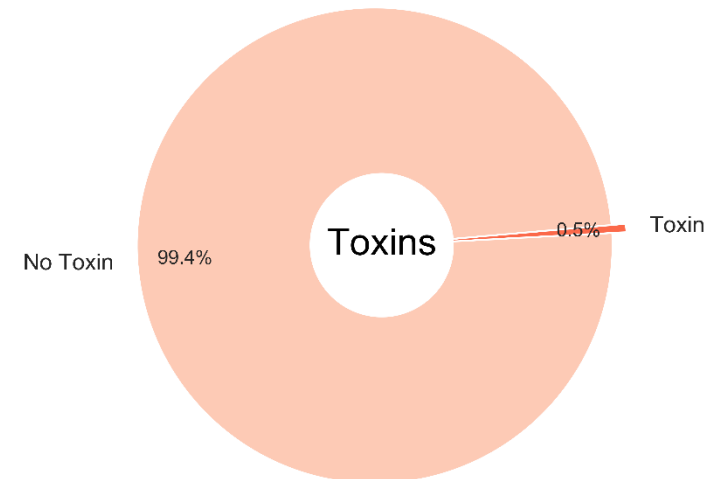
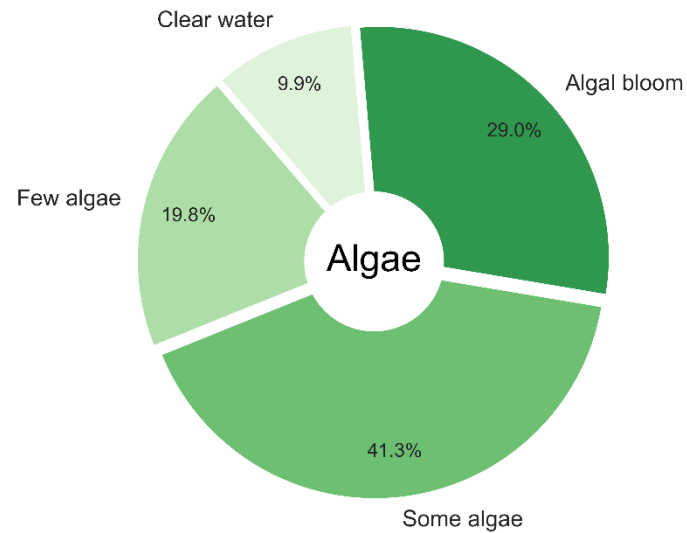
# Monitoring Detroit Reservoir and the North Santiam Watershed



## The Prediction Lab & The City of Salem

### Bloom Forecast Apr 15 - Apr 22

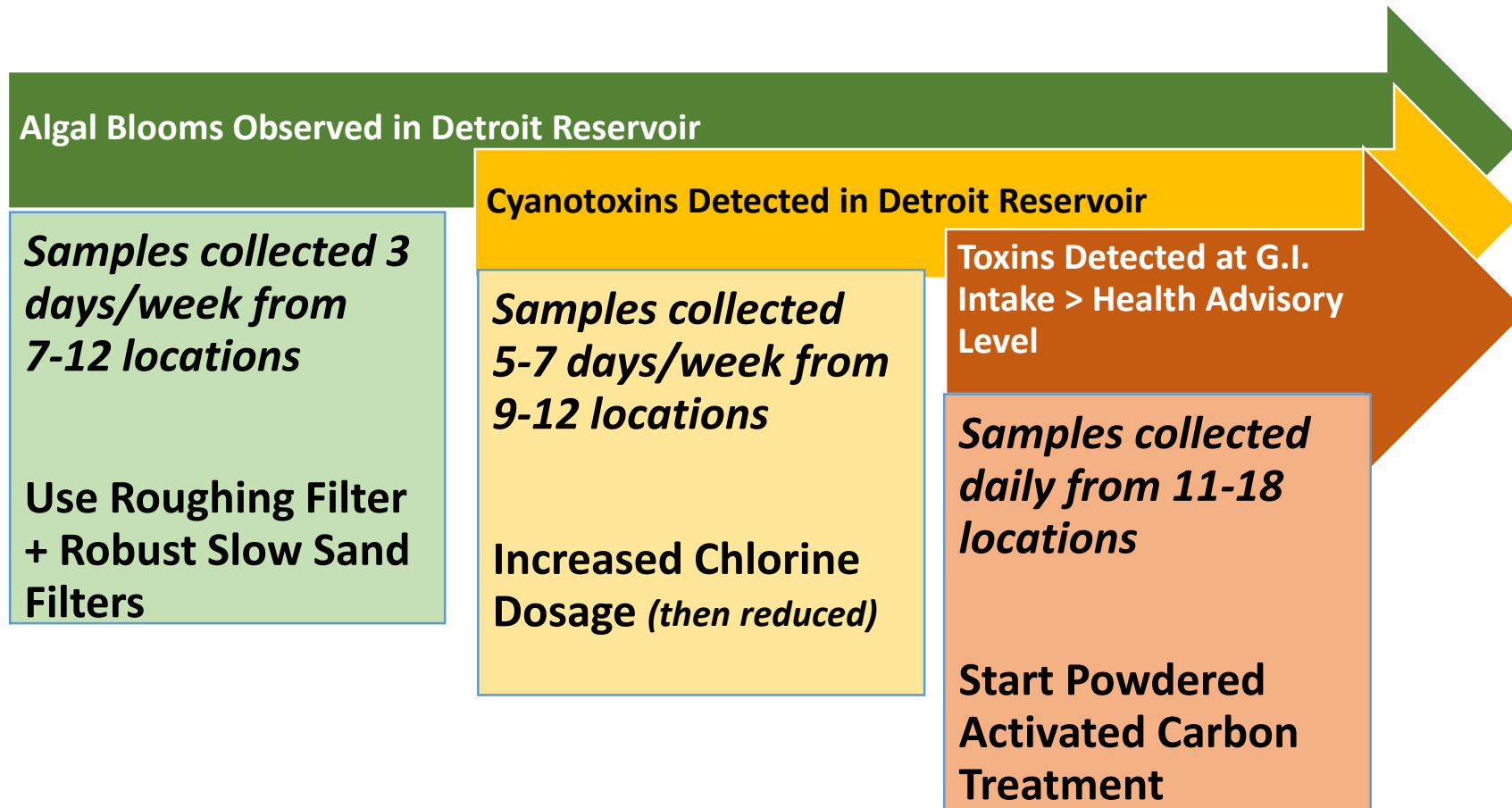
Our models suggest that in the next week there may be increased levels of algae in the lake, but that toxins are unlikely to occur.



# New Oregon Health Authority Regulations

- **Oregon Health Authority Adopted Administrative Rules (OAR 333-061)**
  - Two Cyanobacteria Toxins: Total Microcystins and Cylindrospermopsin
  - Required Water Quality Sampling Method, Schedule and Locations
  - Health Advisory Limits (HAL)
  - Notification Requirements
  - How to Come out of an Advisory
- **Two-Part Test**
  - Initial Sample (Indicates Presence)...if greater than HAL, then...
  - Next Day Confirmation Sample (Indicates Presence and Persistence), then...
    - Issue an Advisory

# Water Quality Sampling Results and Geren Island Water Treatment Operations



# Emergency Drinking Water Distribution

## Vulnerable People Advisory

- **8 Bulk Water Distribution Stations**
  - 3 Stations 24 hours/day
  - 5 Stations 14 hours/day
- **Water Sources**
  - Cities of Keizer and Monmouth
- **Total Capacity: 18,000 gal./day**
- **Home Bottled Water Delivery Program**

## All Persons Do Not Drink Advisory

- **18 Bulk Water Distribution Stations**
  - All 24 hours/day
  - City/County/National Guard/ORWARN
- **Water Sources**
  - Cities of Keizer, Monmouth, Independence, Aumsville
- **Total Capacity: ~150,000 gal./day**
  - Private Sector Retail ~150,000 gal./day
- **Expanded Home Bottled Water Delivery Program**

# Strategic Communication Plan

- **Public Information Team Training**
  - Incident Command System Public Information Officer Course (Anniston, AL)
- **Messaging Pre-Algal Season Preparedness**
  - City Webpage
  - Presentations to Groups and Organizations
  - Press Releases
  - Social Media Posts
  - “Two Weeks Prepared” Effort
- **Health Advisory Joint Information Center**
  - Multi-Agency
  - Multi-Media