

# Steps for Modeling Phytoplankton Chl a in Boise River??

## **Modeling Algae with AQUATOX Richard Park, 4/23/13**

- If sestonic chlorophyll a is a target endpoint, additional calibration may be required because of sensitivity to site-specific conditions such as variable retention times

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Notes on model  
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# Phytoplankton Chl a Targets and Standards

## SR-HC TMDL Target for Nuisance Algae

- 14 ug/L mean growing season limit (nuisance threshold of 30 ug/L with exceedence threshold of no greater than 25%)

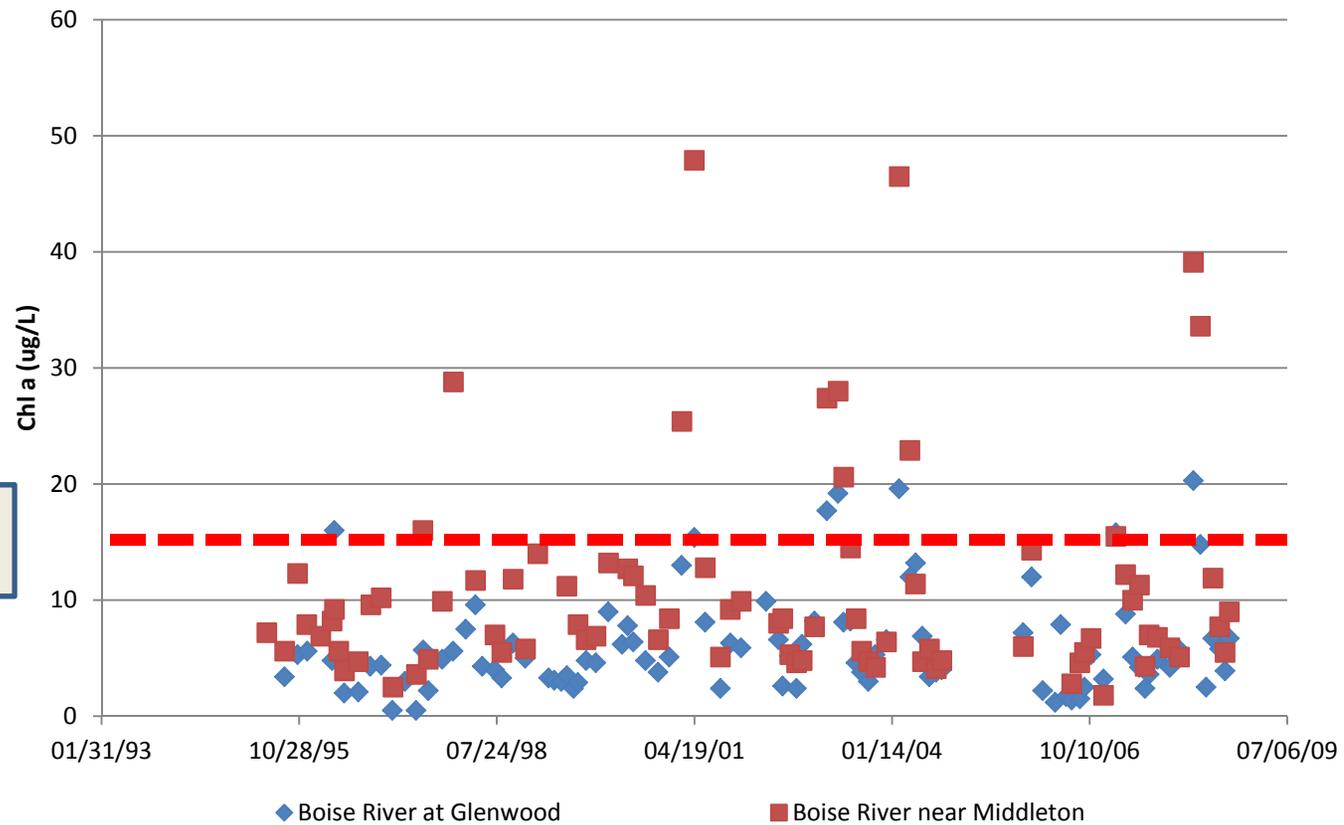
## Oregon Criteria

- 15 ug/L year-around(??)

# Boise River Phytoplankton Data

(compiled and provided by Kate)

Target?



# What are steps needed for modeling phytoplankton?

- Determine implications of SR-HC target and Or Standards
- Review Boise river data
- Set up appropriate boundary conditions
- Assess calibration
- Review results
- ???