



Use of NOAA remote sensing tools for evaluating cyanobacterial harmful algal blooms (CyanoHABs) in California lakes



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- Sponsor:
State Water Resources Control Board
Surface Water Ambient Monitoring Program
(SWAMP)
- Host: USEPA Region 9
- Lead Agency: NOAA National Centers for Coastal Ocean Science



Workshop Organizing Committee

- Karen Taberski
- Karen Worcester
- Lori Webber
- Sue Keydel
- Terry Fleming
- Thomas Jabusch



Background

- SWAMP activities
 - Developing statewide freshwater HAB monitoring program
 - Monitoring strategy
 - Fund priority initiatives
 - ⇒ Database/website/reporting
 - ⇒ Training
 - ⇒ Lab analyses
 - ⇒ SOPs
 - ⇒ **Satellite Monitoring**



Initial use of NOAA remote sensing tools by SWAMP

- Thousands of lakes in CA: monitoring would be monumental task
 - ⇒ Provide routine synoptic view to characterize HABs in large lakes
 - ⇒ Statewide bloom-casting map (bi-weekly)
 - ⇒ Near-time notifications of blooms



Goals of Workshop

- General introductory session (Webinar)
 - CyanoHAB issues
 - NOAA remote sensing products
 - SWAMP Freshwater HAB program
- GIS specialist training
 - Learn skills to work with satellite images and NOAA products to assist with lake monitoring and in decision support activities.
- Planning additional trainings in the future

