WELCOME, INTRODUCTIONS, ANNOUNCEMENTS, ETC.:
- California Water Quality Monitoring Council (CWQMC) YouTube Page has past meeting recordings
- HABs Portal has been challenging to keep announcements updated due to lack of staff capacity. Subscribe online to receive updates by email regarding activities of the California Cyanobacteria and Harmful Algal Bloom Network under the General Interests tab.

WATER BOARD FHAB PROGRAM INFRASTRUCTURE AND MONITORING UPDATE (MARISA VAN DYKE):
  *Presentation begins at 7:12 on the Meeting Recording*
- Infrastructure updates
  - Updates on funding, 2021 legislative report, FHAB monitoring Strategy
- Monitoring
  - Pre-holiday assessments
  - Water Board special studies
- Program implementation plan
- Changes/Themes of CA FHABs Portal
  - Where are HABs?
  - How to stay safe?
  - How are advisories issued and communicated?
  - How to collect samples?
- FHAB Monitoring Strategy has been posted.
  - Contains full report, executive synthesis, and fact sheet.
- Memorial Holiday Assessment
  - 24 different waterbodies sampled
  - 110 sites updated on Web map
- 4th of July Holiday Assessment
  - 16 different water bodies sampled
  - 165 sites updated on Web map
BENTHIC SOURCE TRACKING OF CYANOBACTERIAL BLOOMS IN THE DELTA (ELLEN PREECE):

- Microcystis first detected in 199X
- Generally dominated in the delta
- Not clear where blooms originate
- Certain locations are more prone to blooms, cells deposit into sediments in late fall.
- At least 10 Microcystis strains within the delta
- Hypothesis
  - Overwintering Microcystis from few specific locations are source of CHABs in distant but hydrologically connected locations
  - By spring, little Microcystis biomass will remain in sediments of flooded island sites/channels to serve as bloom inoculum
  - Peripheral sites will carry high seed stocks into the spring and are primary sources of Microcystis in the southern/central Delta
- Project overview
  - Sediment cell abundance
  - Water column cell entry
  - Molecular fingerprinting
- Water Summary
  - Temperature similar across sites
Highest spring water column concentrations at Discovery Bay/Stockton
Lower concentrations at Mildred even through high seed stocks

REGIONAL COORDINATORS REPORTS:
Reports begin at 1:41:05 on the Meeting Recording
- Please reference the HAB Incident Reports Map for updates on HAB incidences.
- RB1: north coast benthic cyanobacteria report (2016-2019 data)
  - EB Parks: Lake Anza Hypolimnetic system; Lake Temescal nanobubbler, PAK27, and alum; Del Valle Caution; Quarry Lake improving over the summer; Big Break at Danger
- RB2:
  - Clear Lake: Lyngbya dominant (last time 2009), outreach and social media on HABs
  - Delta
- RB3: visual assessments; Pinto Lake
- RB4: no report
- RB5:
  - Clear Lake: Lyngbya dominant (last time 2009), outreach and social media on HABs
  - Delta
- RB6: mostly special study sites
- RB7: Salton Sea (mostly mats) and Wister Wildlife area
- RB8: Lake Evans (fish kill), Big Bear Lake, Lake Elsinore, San Bernardino County Parks
- RB9: Lakes Henshaw and Morena
- Stronger connection with safe to swim group recommended

SUBCOMMITTEE REPORTS:
Reports begin at 2:04:30 on the Meeting Recording
- Statewide Guidance Subcommittee
  - Kicking off this fall
- Web Portal Architecture Subcommittee
  - Agency contacts remain updated
- Education and Fact Sheets Subcommittee
  - No Update
- Monitoring and Assessment
  - No Update
- Data Subcommittee
  - No Update
- Mitigation Subcommittee
  - Talks on mitigation as state parks and Elsinore sediment removal
- Wildlife Impacts Subcommittee
  - Updated Webpage