Nutrient Watershed Permit and Governance Update

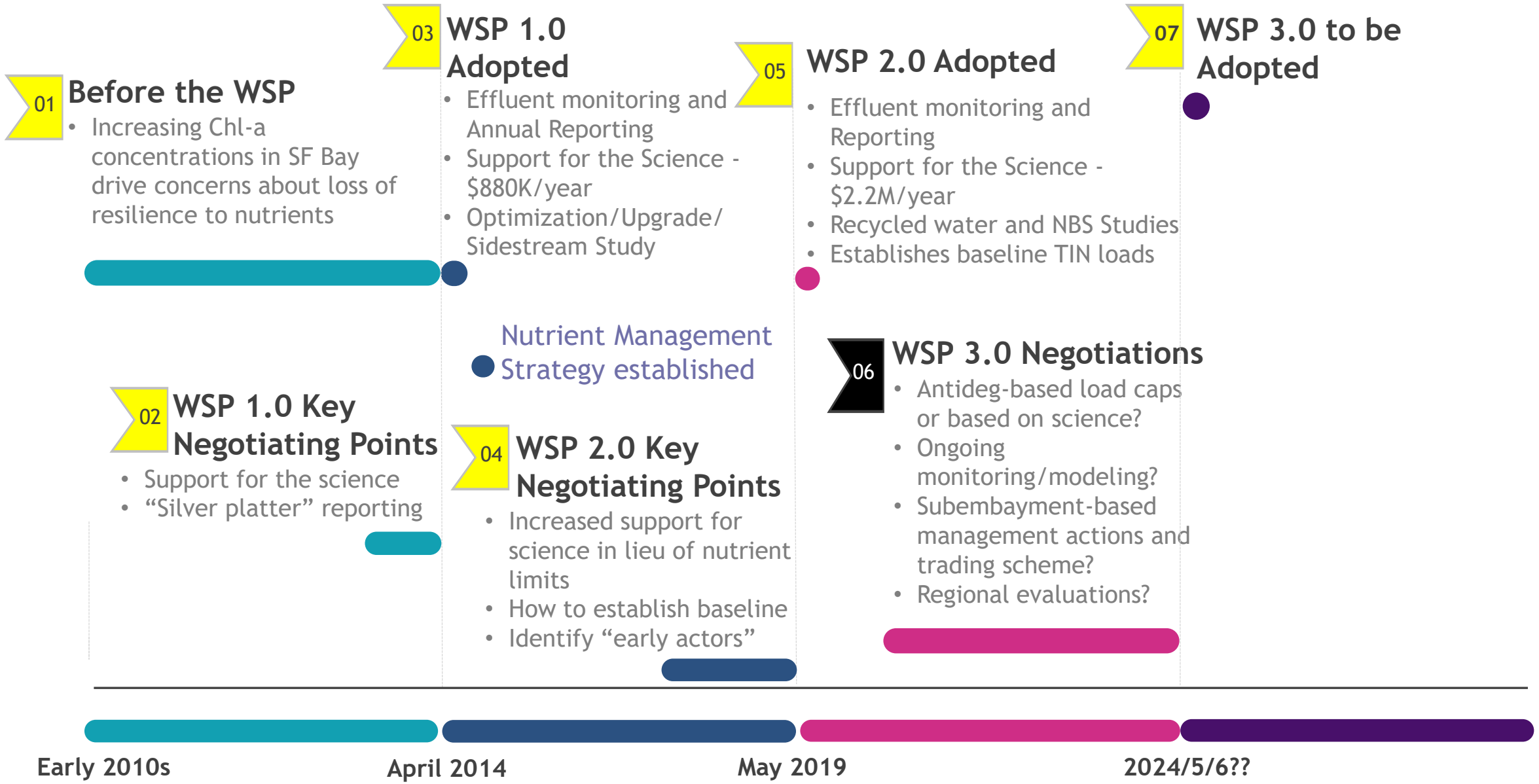
BACWA Annual Meeting

February 19, 2021

Agenda

- History and direction
- Key Provisions of the 2nd Nutrient Watershed Permit
- Current Status
- Governance of the NMS
- Next Steps
- 3rd Watershed Permit

Nutrient Watershed Permit History and Direction – July 2020



2nd Nutrient Watershed Permit 2019

MONITORING AND REPORTING

- Reporting by water year

INCREASED SUPPORT FOR SCIENCE

- $2.2M/yr

REGIONAL STUDIES

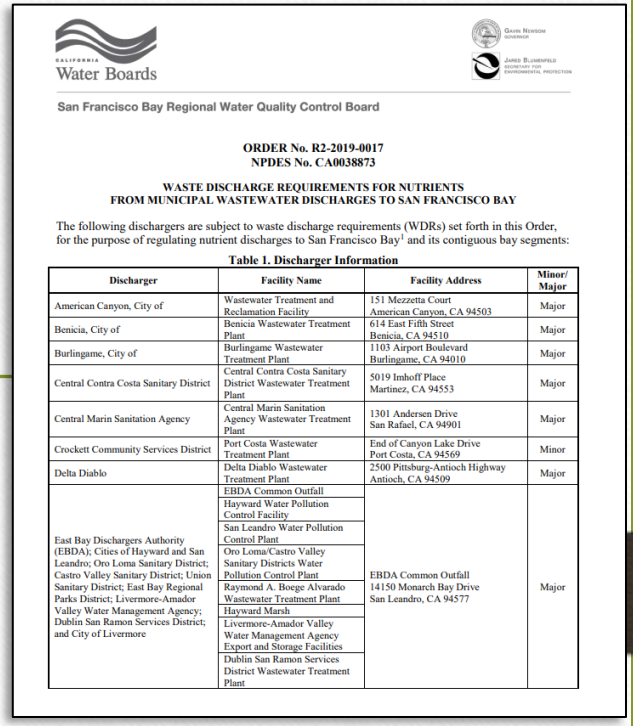
- Nature Based Systems
- Recycled Water

DIRECTION FOR FUTURE PERMITS

- Early Actors
- Baselines and planning targets

BACWA Responsibilities and Status

- BACWA responsibilities and status:
  - Group annual report – 2nd year completed
  - Recycled Water Study – underway, completion in 2023
  - Study of Nature Based Solution – underway, completion in 2023
  - Funding the science – $2.6M in funds for FY 21 have been provided to SFEI in early 2020 with expenditures overseen by the Nutrient Management Strategy (NMS) Steering Committee



Water Boards

San Francisco Bay Regional Water Quality Control Board

ORDER No. R2-2019-0017
NPDES No. CA0038873

WASTE DISCHARGE REQUIREMENTS FOR NUTRIENTS FROM MUNICIPAL WASTEWATER DISCHARGES TO SAN FRANCISCO BAY

The following dischargers are subject to waste discharge requirements (WDRs) set forth in this Order, for the purpose of regulating nutrient discharges to San Francisco Bay[1] and its contiguous bay segments:

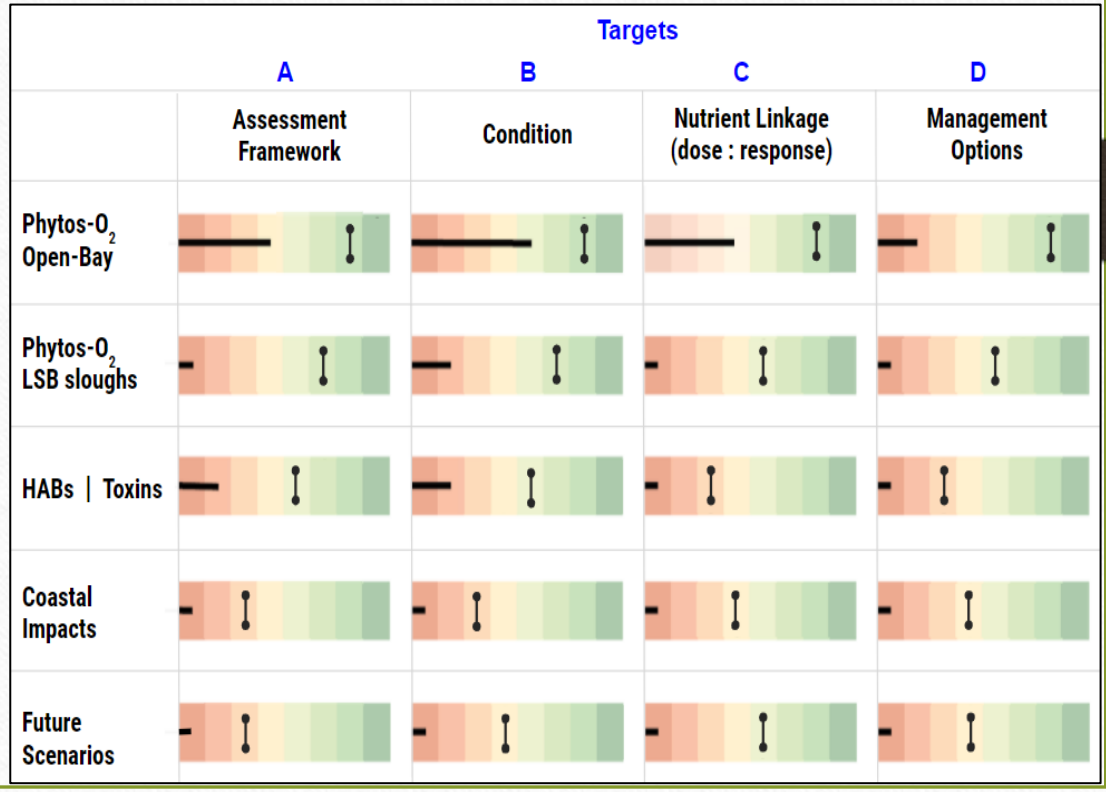
Table 1. Discharger Information

Discharger	Facility Name	Facility Address	Minor/ Major
American Canyon, City of	Wastewater Treatment and Reclamation Facility	151 Mezzetta Court American Canyon, CA 94503	Major
Benicia, City of	Benicia Wastewater Treatment Plant	614 East Fifth Street Benicia, CA 94510	Major
Burlingame, City of	Burlingame Wastewater Treatment Plant	1103 Airport Boulevard Burlingame, CA 94010	Major
Central Contra Costa Sanitary District	Central Contra Costa Sanitary District Wastewater Treatment Plant	5019 Imhoff Place Martinez, CA 94553	Major
Central Marin Sanitation Agency	Central Marin Sanitation Agency Wastewater Treatment Plant	1301 Andersen Drive San Rafael, CA 94901	Major
Crockett Community Services District	Port Costa Wastewater Treatment Plant	End of Canyon Lake Drive Port Costa, CA 94569	Minor
Delta Diablo	Delta Diablo Wastewater Treatment Plant	2500 Pittsburg-Antioch Highway Antioch, CA 94509	Major
East Bay Dischargers Authority (EBDA); Cities of Hayward and San Leandro; Oro Loma Sanitary District; Castro Valley Sanitary District; Union Sanitary District; East Bay Regional Parks District; Livermore-Amador Valley Water Management Agency; Dublin San Ramon Services District; and City of Livermore	EBDA Common Outfall	EBDA Common Outfall 14150 Monarch Bay Drive San Leandro, CA 94577	Major
	Hayward Water Pollution Control Facility		
	San Leandro Water Pollution Control Plant		
	Oro Loma/Castro Valley Sanitary Districts Water Pollution Control Plant		
	Raymond A. Boege Alvarado Wastewater Treatment Plant		
	Hayward Marsh		
	Livermore-Amador Valley Water Management Agency Export and Storage Facilities		
	Dublin San Ramon Services District Wastewater Treatment Plant		

Nutrient Management Strategy (NMS) – Science to inform management decisions

Developed using the scientific method to address the nutrient issues for the Bay:

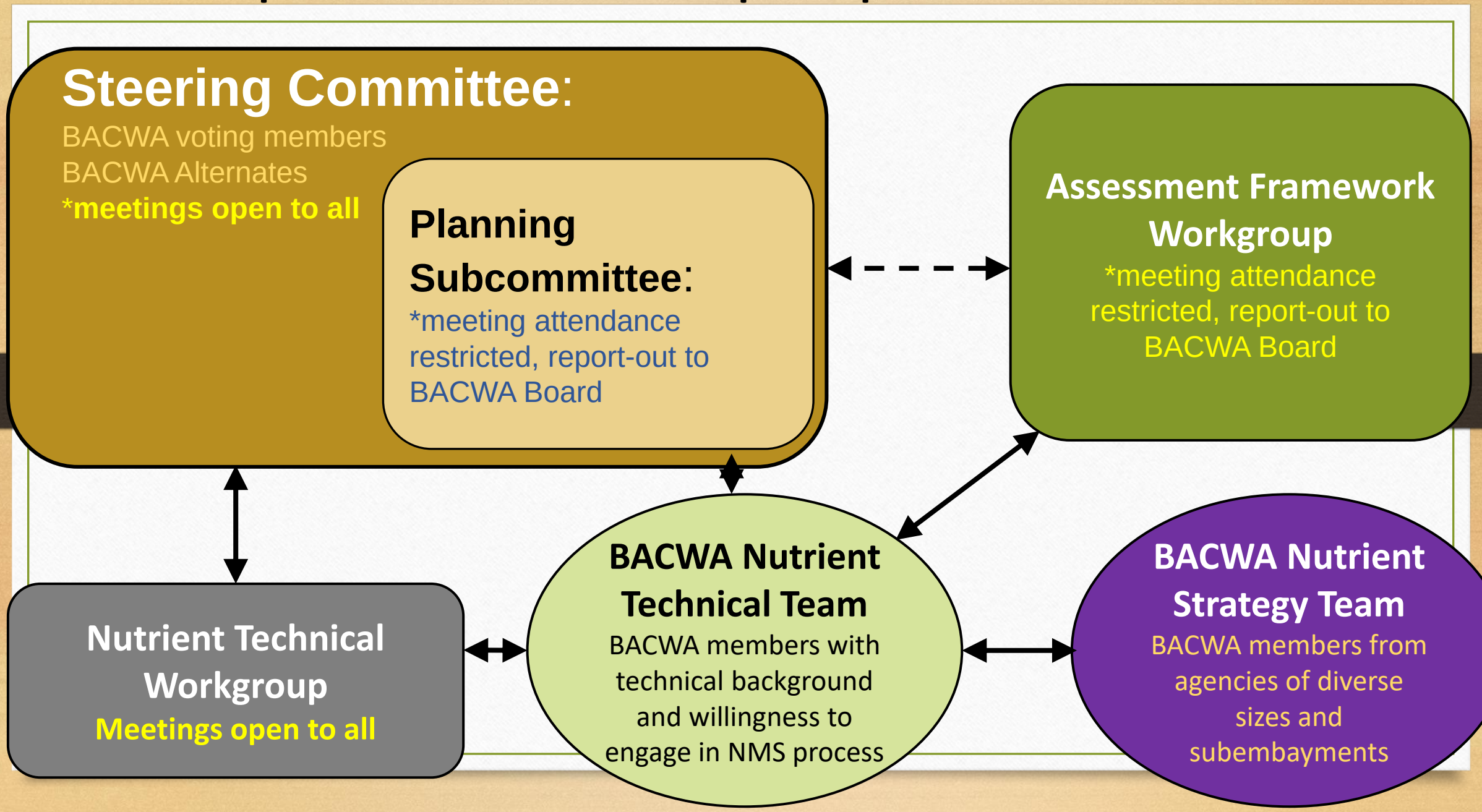
- Is the Bay impaired or heading towards impairment?
- Are nutrients playing a significant role?
- What are the sources and loadings of nutrients?
- What are management actions to reduce nutrient loading?



NMS Governance, or "who decides the Scope of Work?"

- NMS is governed by a 17 member Steering Committee consisting of multiple stakeholders (regulators, resource agencies, dischargers, NGOs, scientific organizations, agriculture, industry, etc.)
  - Meets quarterly
  - BACWA has 2 voting seats.
  - Planning Subcommittee sets agenda and makes recommendations to the Steering Committee, includes BACWA, BayKeeper and Water Board

Nutrient Groups with BACWA member participation

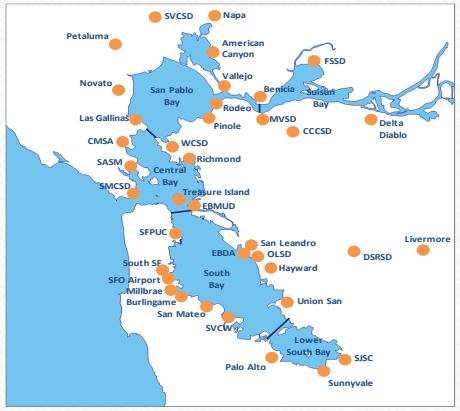


Next Steps for BACWA

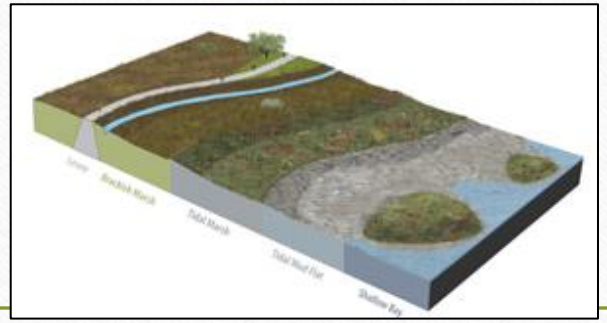
- Meet all permit deadlines for reporting and funding
- Continue to engage in the governance of the NMS in seeking answers to key scientific questions which will inform the 3rd Watershed Permit
- Continue discussion on provisions envisioned for the 3rd Watershed Permit and activities that need to be undertaken in preparation for permit negotiations.
- Communicate progress to the BACWA membership and solicit feedback from our members

Key challenges for the third Watershed Permit

1. Timing of science vs. management



2. Whether to establish subembayment-based caps and/or a trading system



3. Incentivizing multi-benefit projects

Questions?