Nutrient Watershed Permit and Governance Update

BACWA
BAY AREA
CLEAN WATER
AGENCIES

Annual Meeting

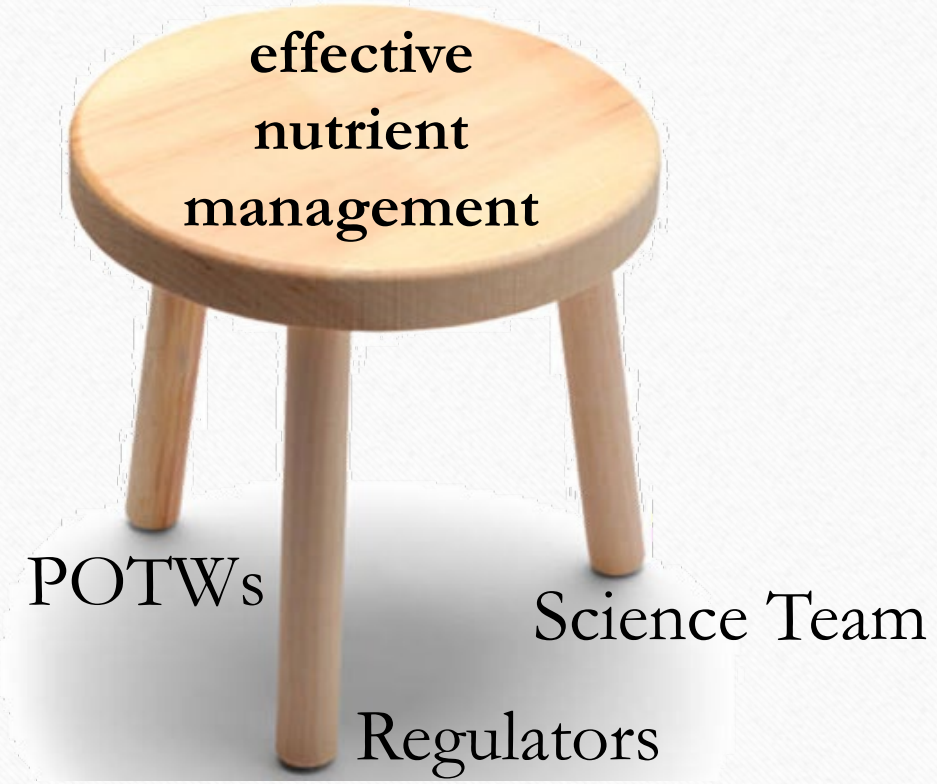
May 6, 2022

Agenda

- Importance of Collaboration
- Nutrient Management Strategy
- 2nd Nutrient Watershed Permit
- Current Status
- Next Steps
- 3rd Watershed Permit and beyond

Collaboration for nutrient regulations based on science and long-term strategy

- Bay Area is a national model for nutrient decision-making
- **Nutrient Management Strategy** ensures that science is guided by stakeholders
- **Nutrient Watershed Permit** ensures management strategies are codified in one place



BACWA
BAY AREA
CLEAN WATER
AGENCIES

BACWA
(wastewater utilities)

CALIFORNIA
Water Boards

Regional Water Board
(regulatory)

SFEI | AQUATIC SCIENCE CENTER
SAN FRANCISCO ESTUARY INSTITUTE & THE AQUATIC SCIENCE CENTER

San Francisco Estuarine Institute
(science)

SAN FRANCISCO
BAYKEEPER®

Non-Govt Organizations
(NGOs)

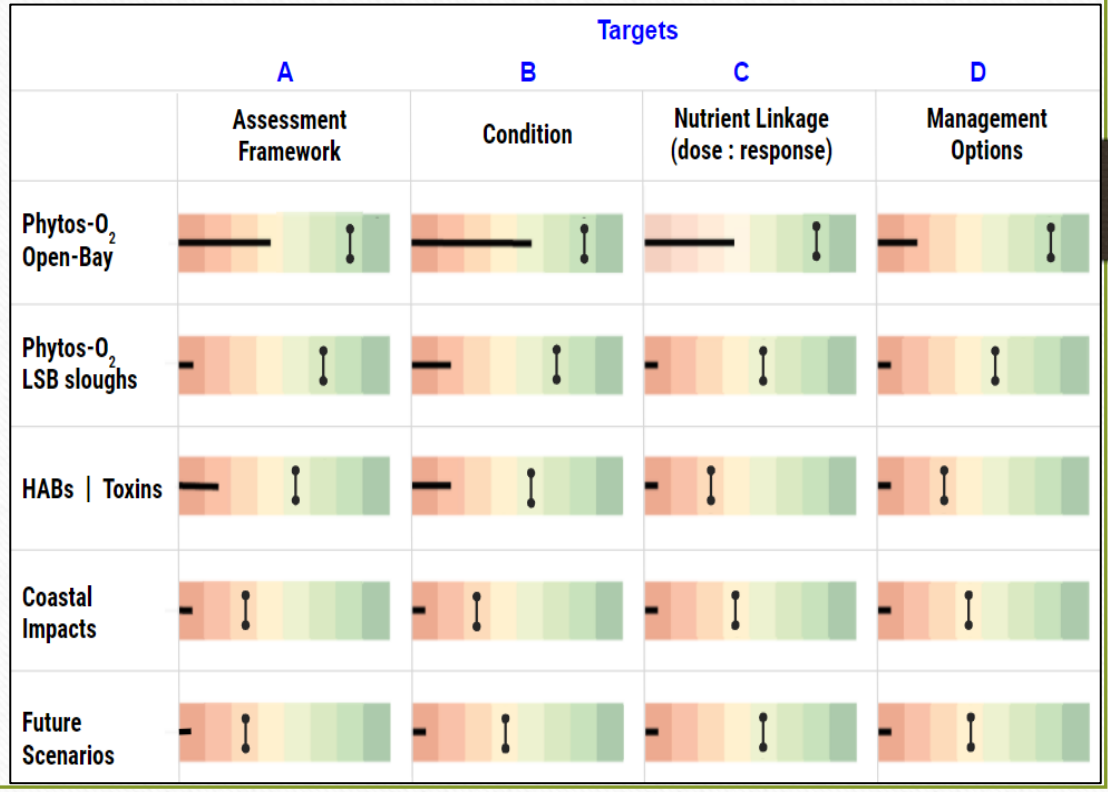
The approach in the Bay Area for managing nutrients has received national attention and lauded for its collaboration, as evidenced by receipt of a National Environmental Achievement Award in 2019 from the National Association of Clean Water Agencies (NACWA). NACWA is the nationally recognized leader in legislative, regulatory, and legal clean water advocacy.

NATIONAL
Environmental
Achievement AWARDS

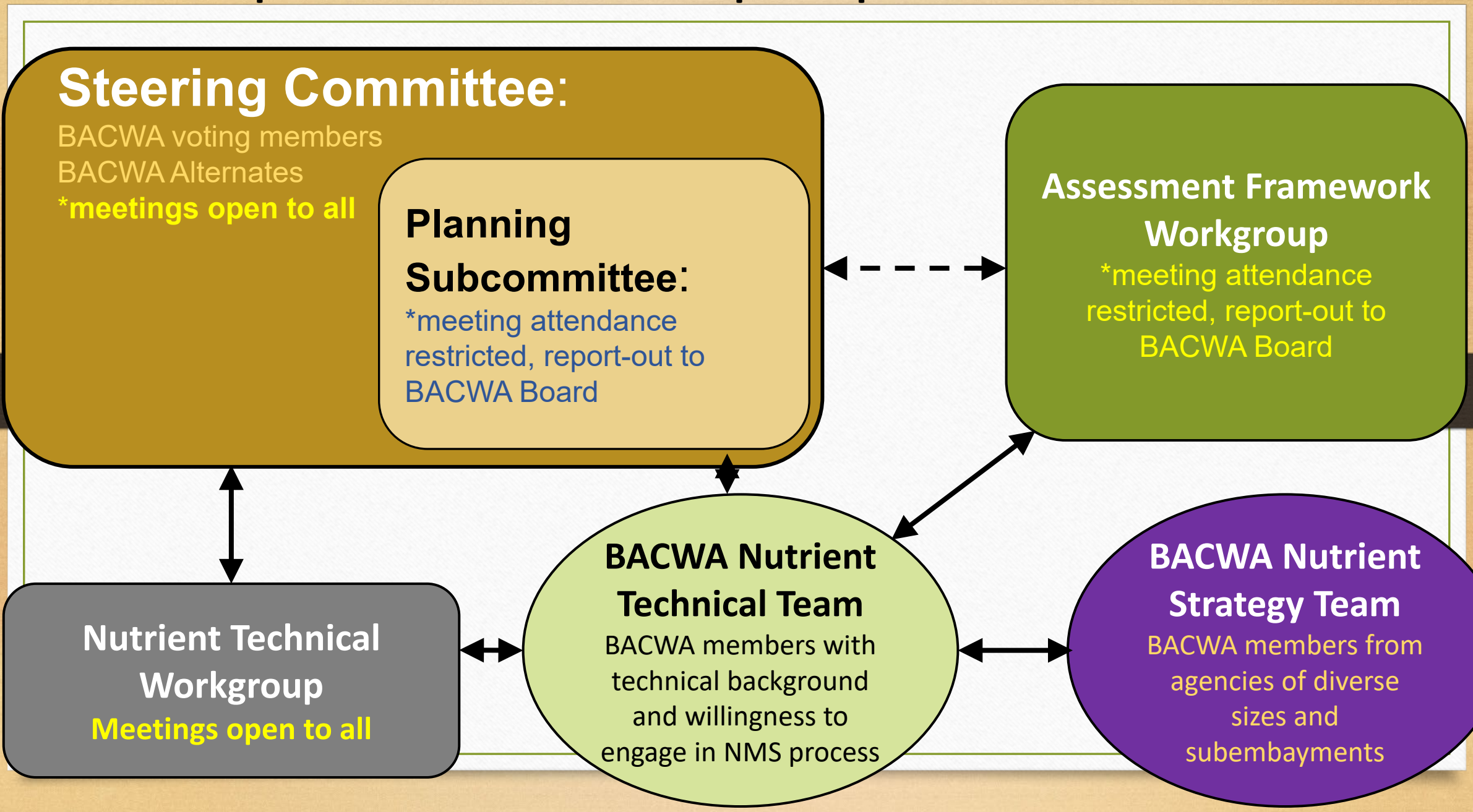
Nutrient Management Strategy (NMS) – Science to inform management decisions

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?



Nutrient Groups with BACWA member participation



2nd Nutrient Watershed Permit 2019

MONITORING AND REPORTING

- Reporting by water year

SUPPORT FOR SCIENCE

- $2.2M/yr

REGIONAL STUDIES

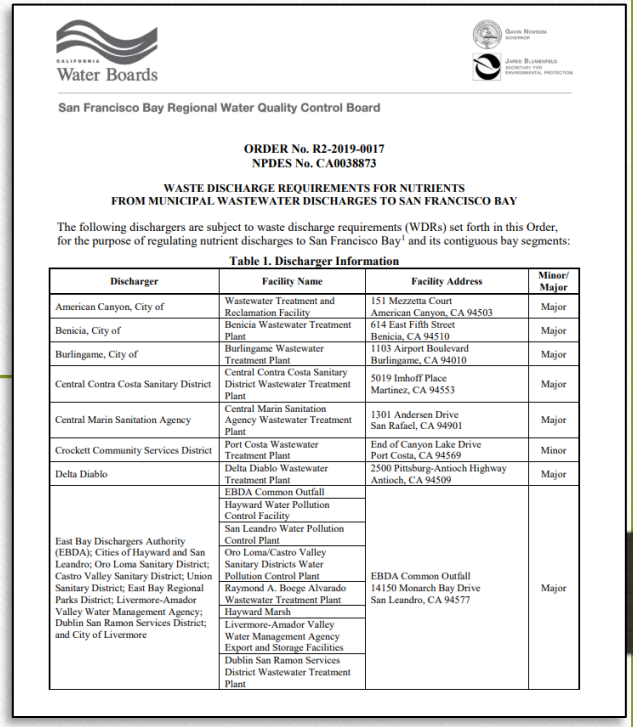
- Nature Based Systems
- Recycled Water

DIRECTION FOR FUTURE PERMITS

- Early Actors
- Baselines and planning targets

BACWA Responsibilities and Status

- BACWA responsibilities and status:
  - Group annual report – 3rd year completed
  - Recycled Water Study – underway, completion in 2023
  - Study of Nature Based Solution – underway, completion in 2023
  - Funding the science – $2.2M in funds for FY 22 have been provided to SFEI 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

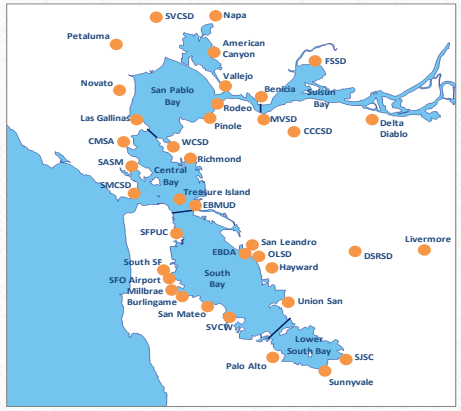
Discharger	Facility Name	Facility Address	Minor/ Major
American Canyon, City of	Wastewater Treatment and Reclamation Facility	151 Mezzetta Court American Canyon, CA 94503	Major
Benicia, City of	Benicia Wastewater Treatment Plant	614 East Fifth Street Benicia, CA 94510	Major
Burlingame, City of	Burlingame 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		

Next Steps for BACWA

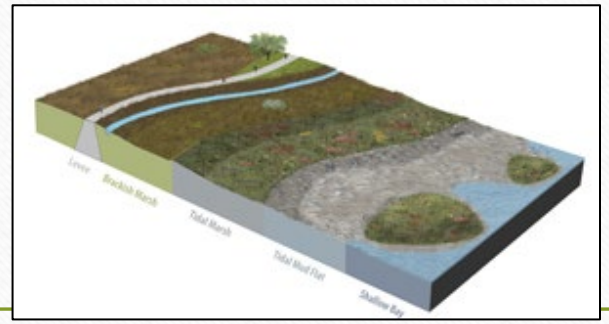
- Meet all permit deadlines for reporting and funding
- Continue to engage in the governance of the NMS in seeking answers to key scientific questions which will inform the 3rd Watershed Permit
- Continue discussion on provisions envisioned for the 3rd Watershed Permit and activities that need to be 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. How to balance individual vs aggregate load limits



3. Incentivizing multi-benefit projects

How Do We Continue Practical Nutrient Management into the Future?

- Continue to foster a close collaboration between regional stakeholders
- Continue to support the science as the basis for decision-making
- Engage in long-term planning for projects that achieve nutrient reductions in the context of co-benefits and competing priorities

Questions?