

Wetland Regional Monitoring Program (WRMP)



SF Bay Restoration Authority Governing Board
September 6, 2019

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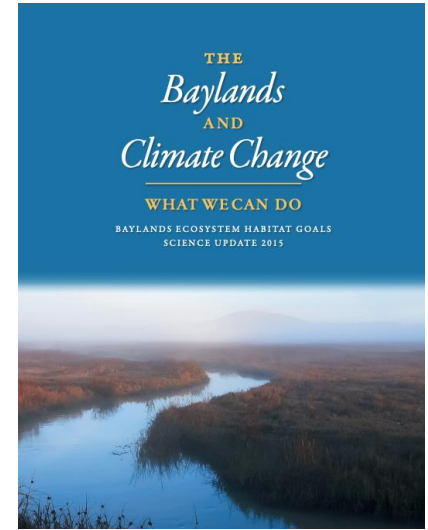
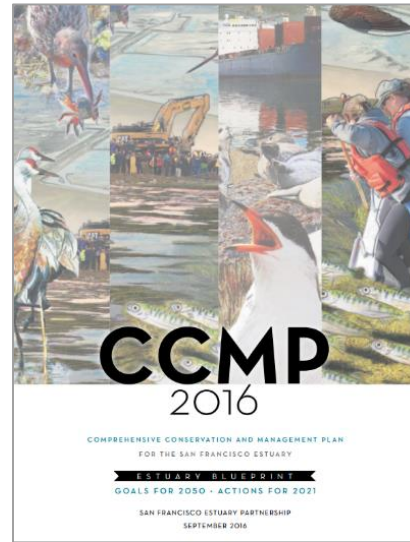
Presentation Outline

- Program Setting
- Program Plan components
- What would the WRMP look like?
- Capacity and funding needs



Program Setting

- More wetland restoration projects are coming online
 - Ambitious targets for restoration
 - Increased funding for the San Francisco Bay
 - Bay Restoration Regulatory Integration Team (BRRIT)
- Wetland restoration permitting includes monitoring requirements



Program Setting

- Monitoring can do more to support regional objectives for wetlands
 - Standardized, regional, indicators could benefit regulators and restoration practitioners
 - Centralized data management and analysis could support adaptive management, and add value to existing monitoring data
 - Answers regional management questions of critical importance

Bottom Line: Greater efficiencies in wetland protection and restoration are possible through regional coordination

Program Setting - Goals

Estuary Blueprint/CCMP Action 2:
Establish a regional wetland
monitoring program



Develop a program plan with the goals of:

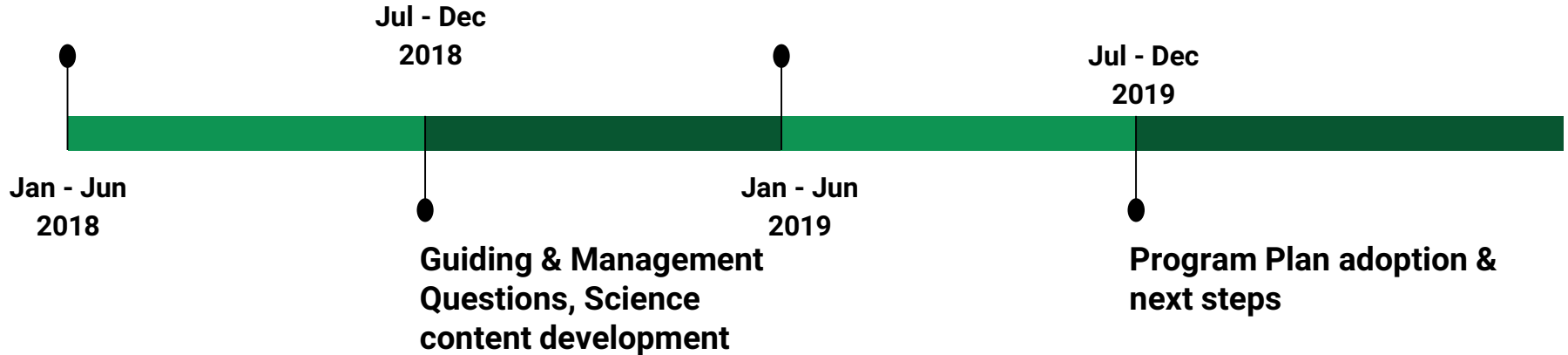
- Improving the efficiency and value of permit-driven monitoring of tidal wetland restoration projects
- Evaluating the condition of tidal marshes in a regional context

Funded by EPA Region 9 Wetland
Program Development Grant

WRMP Timeline

**Establish Steering
Committee, Science
Advisory Team and Core
Team**

**Program Plan outline &
Science content
development (con't)**





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ESTUARY PARTNERSHIP

SFEI

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South Bay Salt Pond Restoration Project



DELTA STEWARDSHIP COUNCIL
DELTA SCIENCE PROGRAM



California Department of Fish and Wildlife



Coastal Conservancy

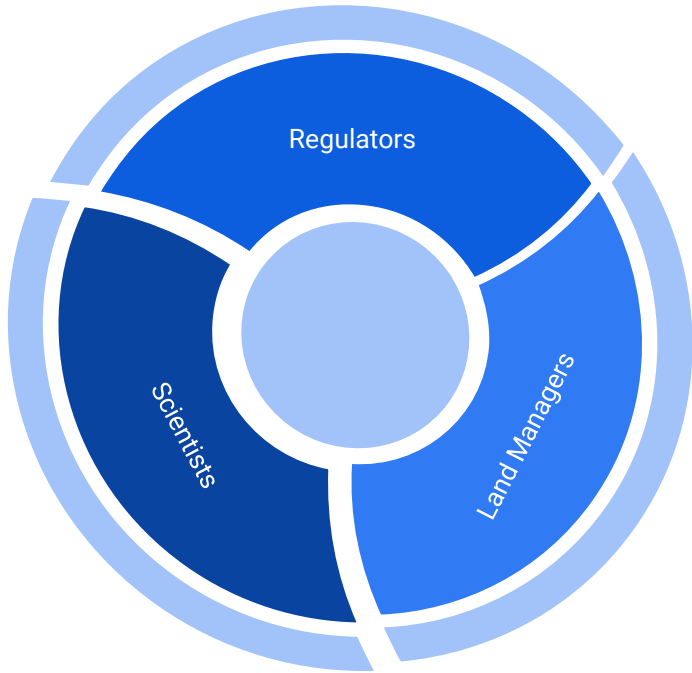


San Francisco Bay National Estuarine Research Reserve



SAVE THE BAY

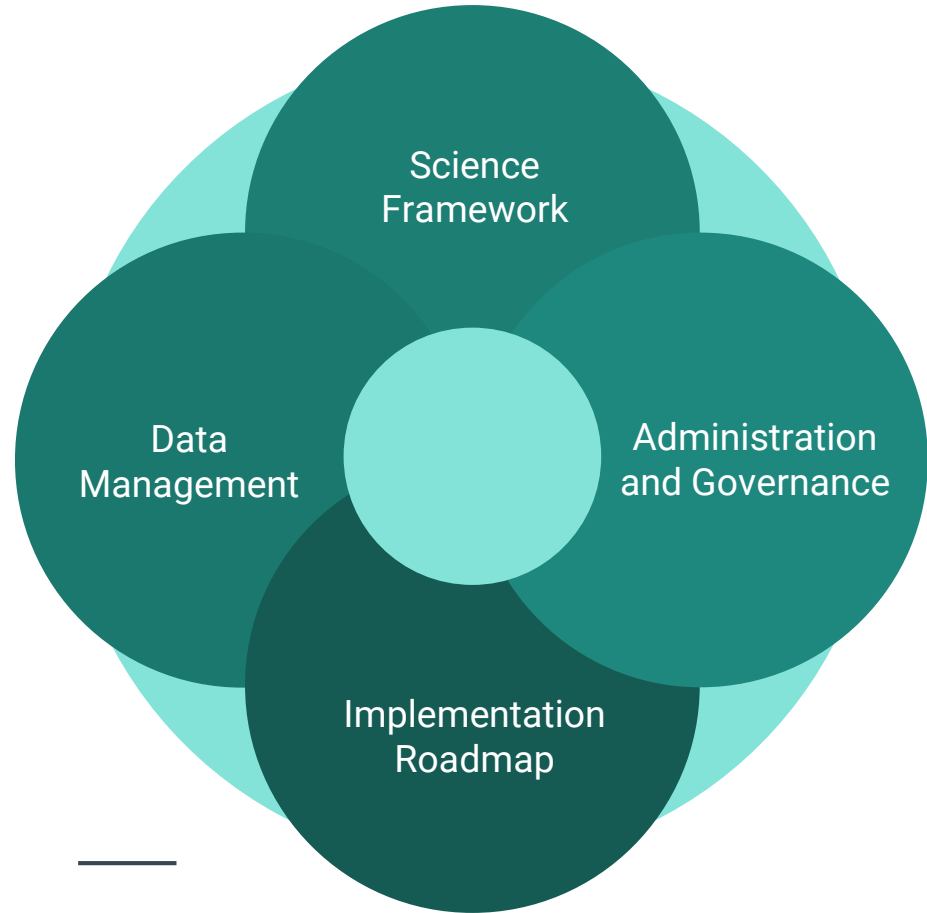
Partners Engaged



- Steering Committee
- Public workshops (2018 - 2019)
 - Physical processes (SLR + sediment)
 - Vegetation
 - Wildlife
 - Mosquito abatement
- Science consultation
 - Science Advisory Team
 - Science Synthesis Team

Ensuring representation through a deliberative process to make sure all voices are heard!

WRMP Program Components

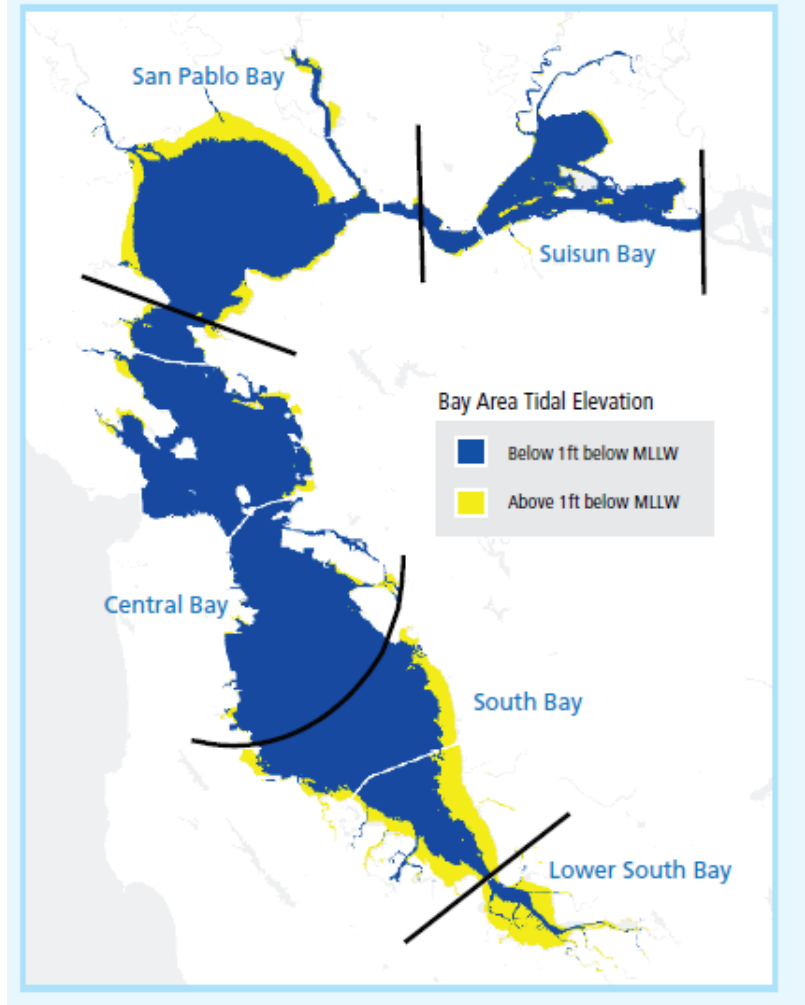


WRMP Program Components - Expected Benefits

- Answer regionally (and collaboratively) developed management questions
- Reduce burden on project-specific monitoring (equity implications)
- Support science and research through shared data platform
- Improve science-based monitoring requirements
- Inform and integrate SFBRA project performance measures

Current and Future Needs

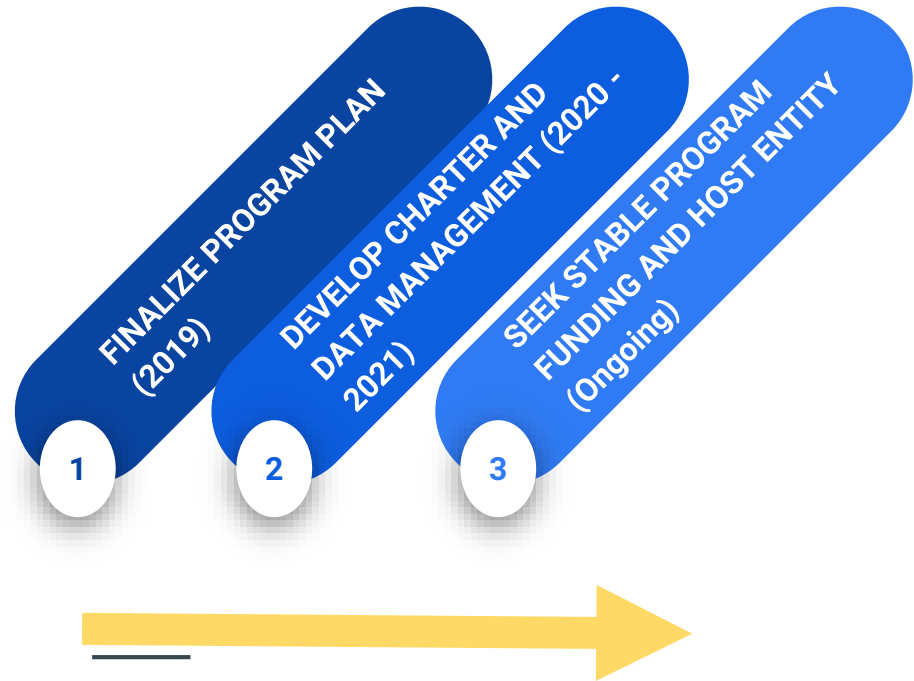
- Develop program charter with governance procedures
- Work with regulators on permit conditions
- Foster support for the program
- Network of monitoring stations
- Sustainable source(s) of funding



Credit: The Pulse of the Bay, SFEI

Nexus with SFBRA

- Funded projects will likely participate in WRMP when it's fully implemented
- Possible funding to support start-up costs for program development or baseline scientific studies
- Developing intersection with Bay Regional Restoration Integration Team (BRRIT)



THANKS!

Any questions?

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