

NWWWS: Theme 1 Economics Using Regional Economic Tools to Grow Waterfront Industries

Bay Area Maritime Strategy

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S. F. Bay: What was the presenting problem/challenge?

- Getting to yes in environmental permitting sooner than later
- Dredging and dredged material disposal tied up in mudlock
- Increase in air quality regulation
- Pile driving noise and construction materials regulations
- New climate change/sea level rise issues
- Turning an environmental & economic challenge into an opportunity?



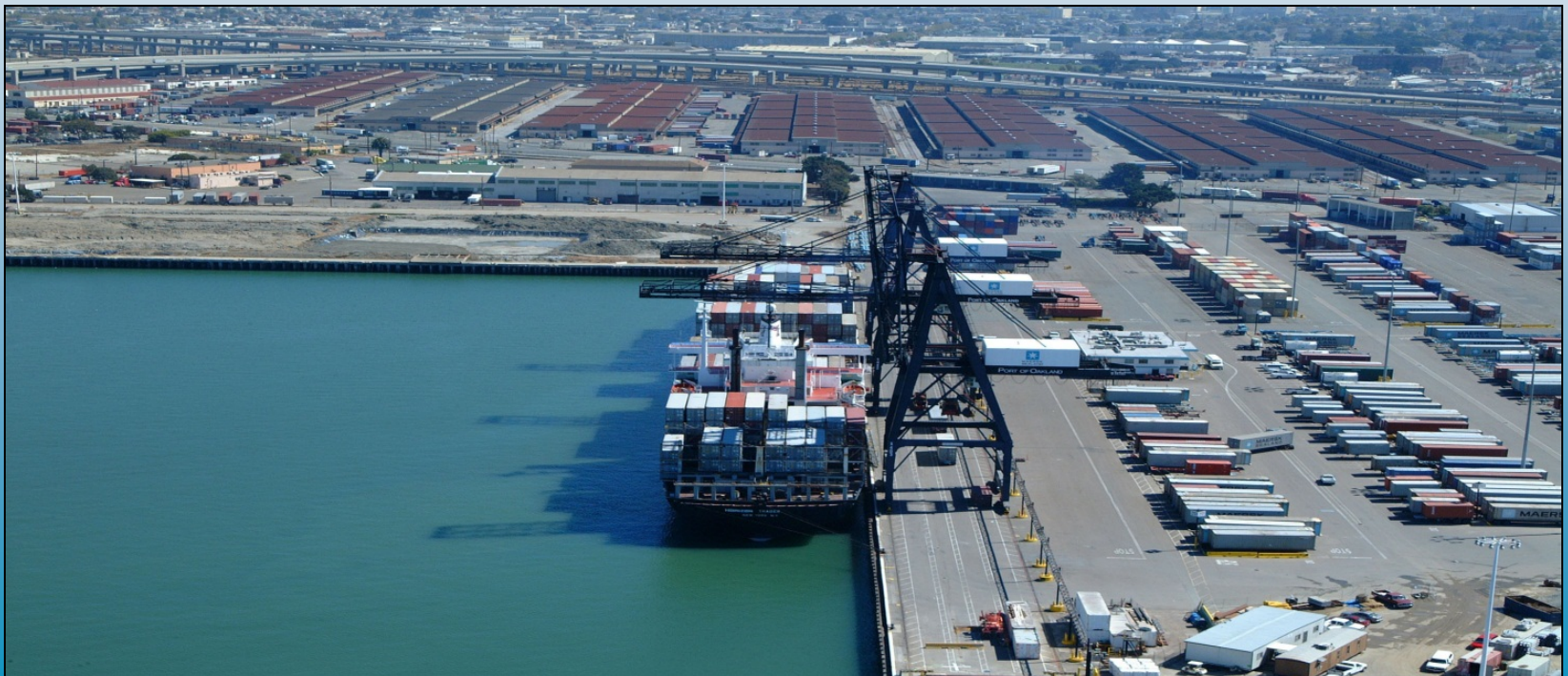
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Turning the challenge into the opportunity for a thriving Bay

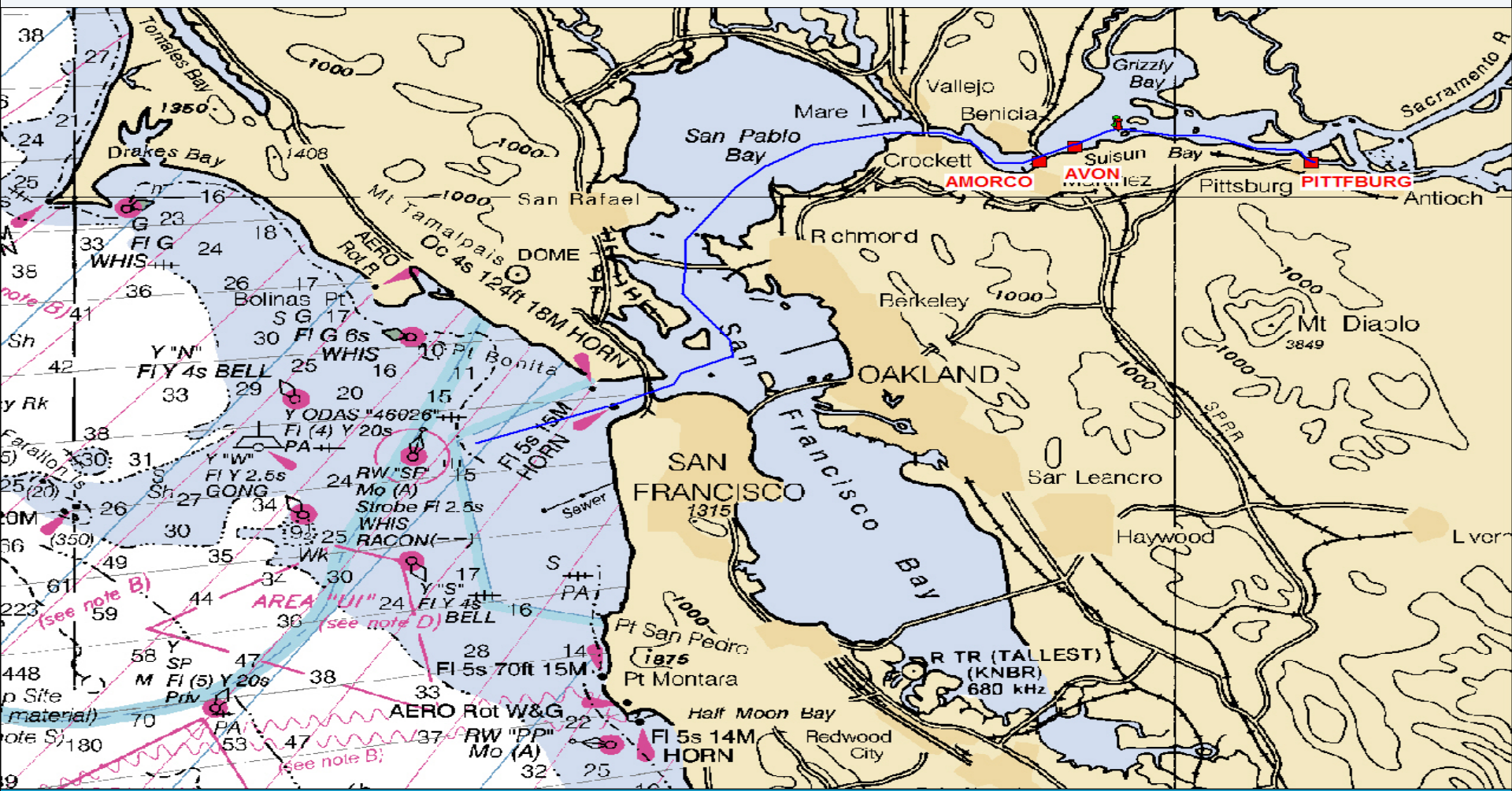
- Innovative **waterfront planning** that
 - sustains a working waterfront for industry and jobs;
 - supports a diversity of waterfront uses including water transit, marinas, wildlife habitat, and integrated with residential and commercial uses on contiguous land;
 - addresses climate change and potential sea level rise, and
- Expansion of **world-class maritime goods movement**, ferries, recreational marinas and water-dependent industries;
- Creation of a model of economic progress and environmental stewardship through **regional innovation and supportive local, state, and federal policies and programs.**

How did you use economic tools to address the problem?

- Follow the shipping channel(s); conducted an analysis of the local and global **shipping supply chain** to bring the players together; we studied how we were connected as a system economically and environmentally on the Bay.

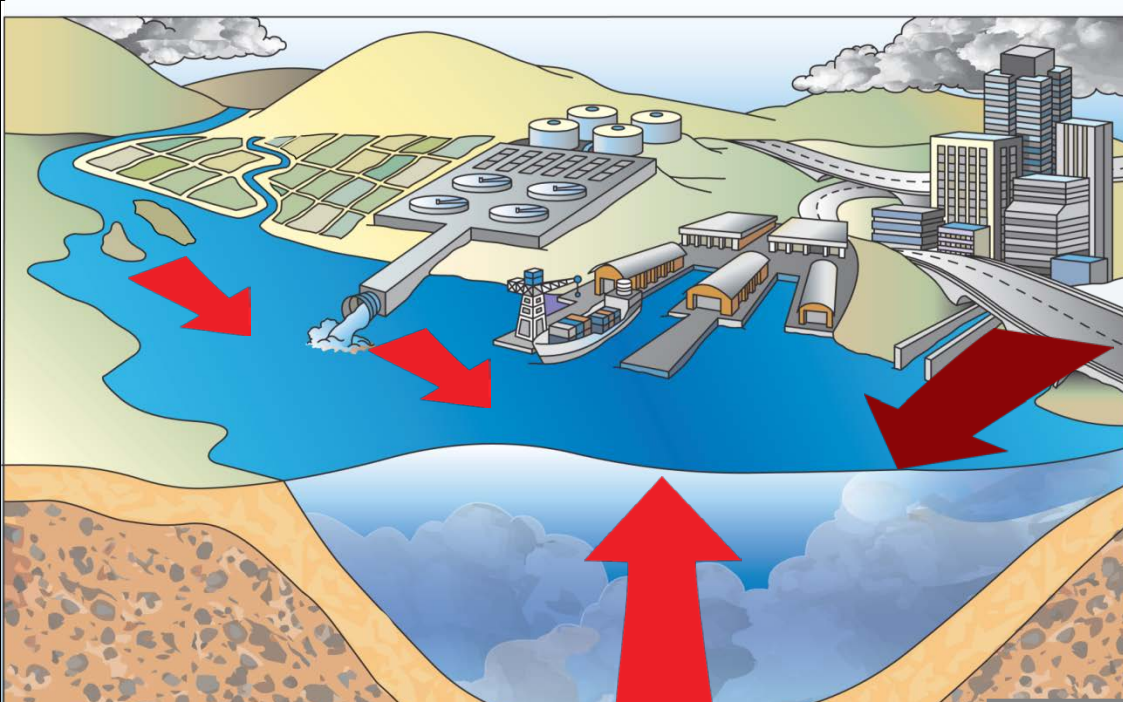


SF estuary water-dependent industries operate within an interdependent system



How did this understanding inform policy and strategy development?

- Understanding the goods movement supply chain led to formation of a coalition
- Within the context of the coalition, agreed on mutual goals to keep goods moving, construction of maritime and shoreline facilities and **environmental solutions to accomplish goals;**
- Developed a list of priority issues and strategies
- Agreed on collaborative planning as a framework with local, state and federal resource agencies



California Oil Refinery Locations



How did understanding the Bay economic and environmental system inform strategy?

- Selected issues and strategies for collaborative planning with the state and federal environmental agencies:
 - Dredging: Long Term Management Strategy and Environmental Windows
 - Air Quality: Maritime Air Quality Plan
 - Pile driving noise/materials: NMFS Guidelines
 - Climate change/sea level rise: BCDC Policies
- Annual S. F. Bay Decisionmakers Conference, similar to the NWWWS

What has been the outcome of the strategy of coalition and collaborative planning with agencies?

- Dredging and dredged material disposal: Long Term Management Strategy (a joint state-federal-stakeholder partnership) and the Beneficial Reuse of Dredged Material
- Federal appropriations: based on plans and projects that cut across USACE business lines (navigation, ecosystem restoration and flood protection)
- Air quality: Maritime Air Quality Plan (partially modeled on Port of Seattle) at Port of Oakland
- Pile driving noise/materials: NMFS Guidelines
- Role of Science: Fish Fast Track System
- Climate Change/Sea Level Rise: BCDC Policies
- Annual San Francisco Bay Decisionmakers Conference

Let's keep the Port in the waterfront!!!



