

State Lands and Granted Lands: Partners in Protecting the Public Trust

JANUARY 19, 2017 CMANC WINTER MEETING

MAREN FARNUM

SEA GRANT FELLOW, EXECUTIVE OFFICE

CALIFORNIA STATE LANDS COMMISSION



California's Sovereign Lands



- 4 million acres
- 120 rivers and sloughs
- 40 lakes
- Thousands of miles of non-coastal shorelines
- 1100 miles of coastline
- Mean high tide line to 3 nautical miles offshore



Public Trust



Mean High Tide Line: An Ambulatory Boundary



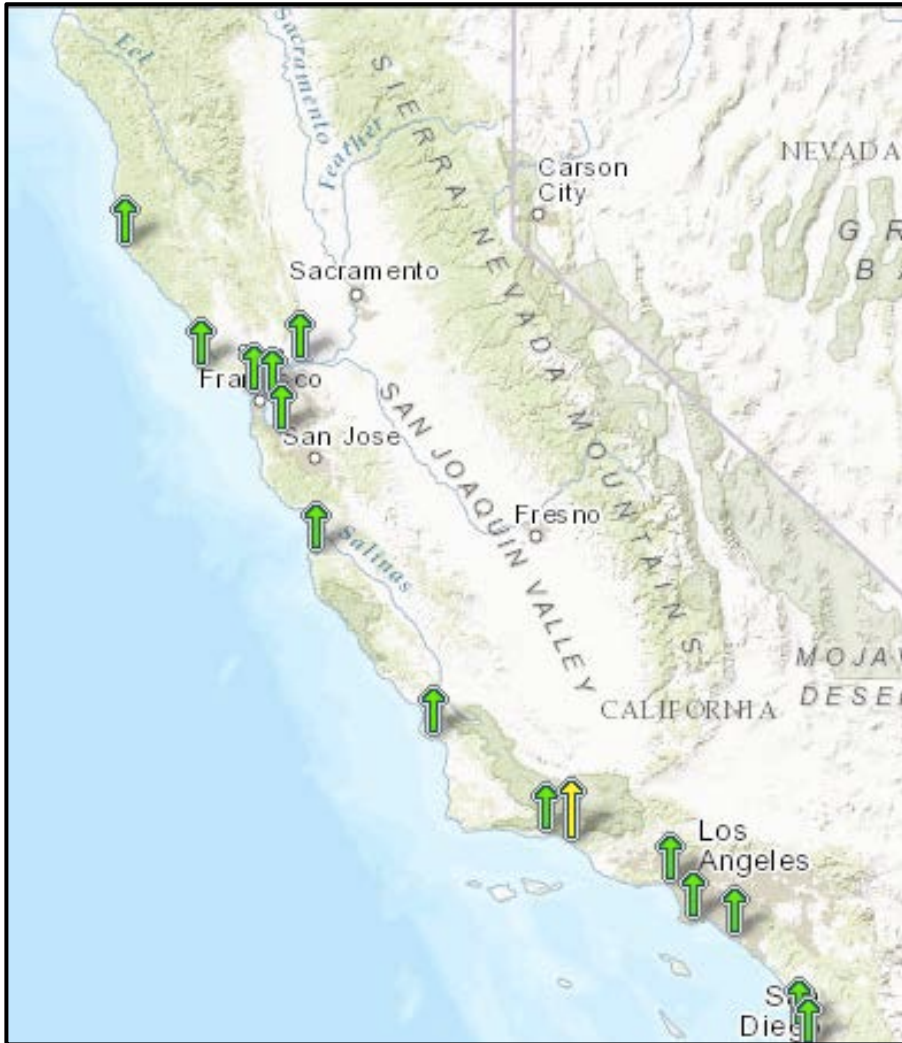
Granted Lands



Granted Lands: Partners in Protecting the Public Trust



The Changing Coast



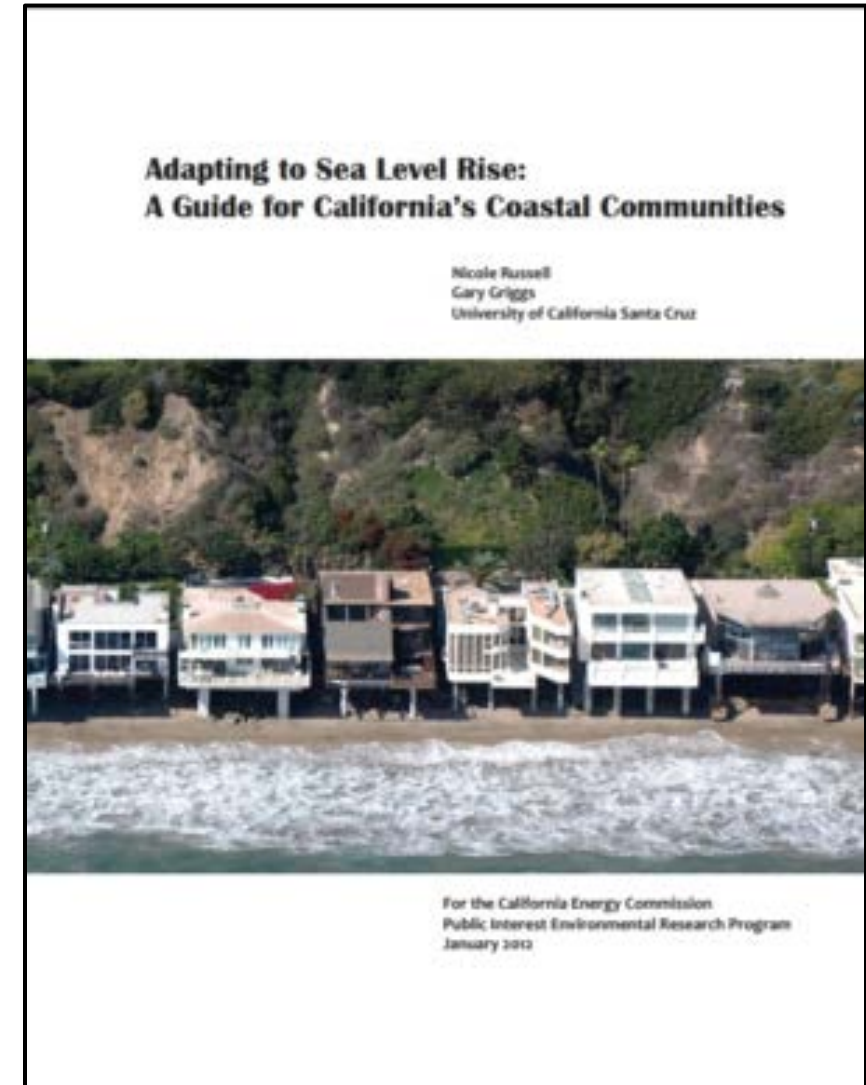
AB 691 (Muratsuchi)



AB 691 (Muratsuchi)

Requirements:

- Assess sea-level rise impacts
- Develop local maps of future sea-level rise conditions
- Estimate financial costs of sea-level rise
- Outline strategies to protect Public Trust resources impacted by sea-level rise



AB 691: Step 1 - Assess sea-level rise impacts

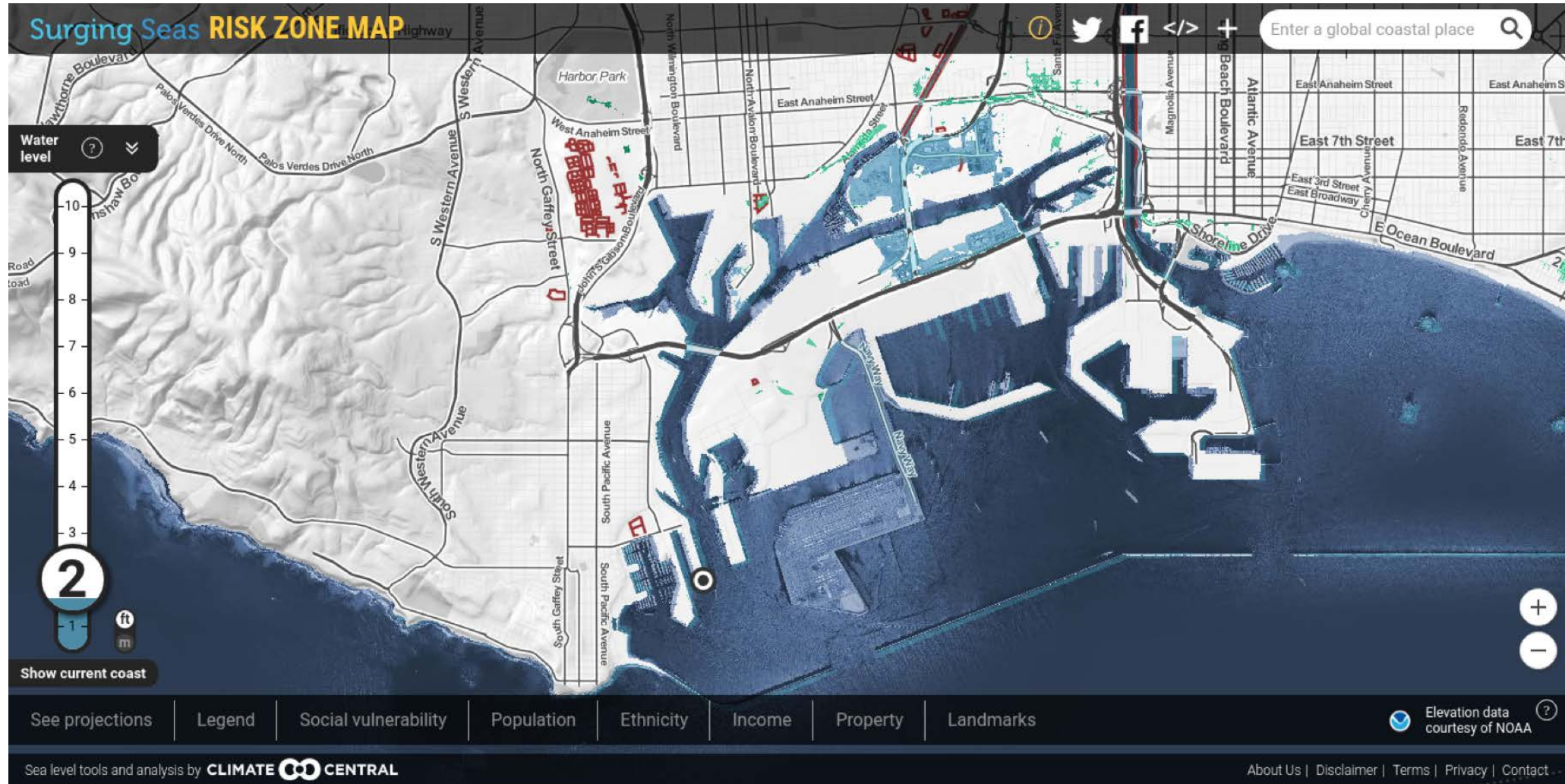
- Inventory built and natural resources and assets
- Gather local/regional information about sea-level rise projections, other coastal processes and changes (storms, erosion, flooding)
- Consider the impacts these changes may have on resources and assets, assess vulnerability
- Vulnerability = exposure, frequency



Timesofsandiego.com

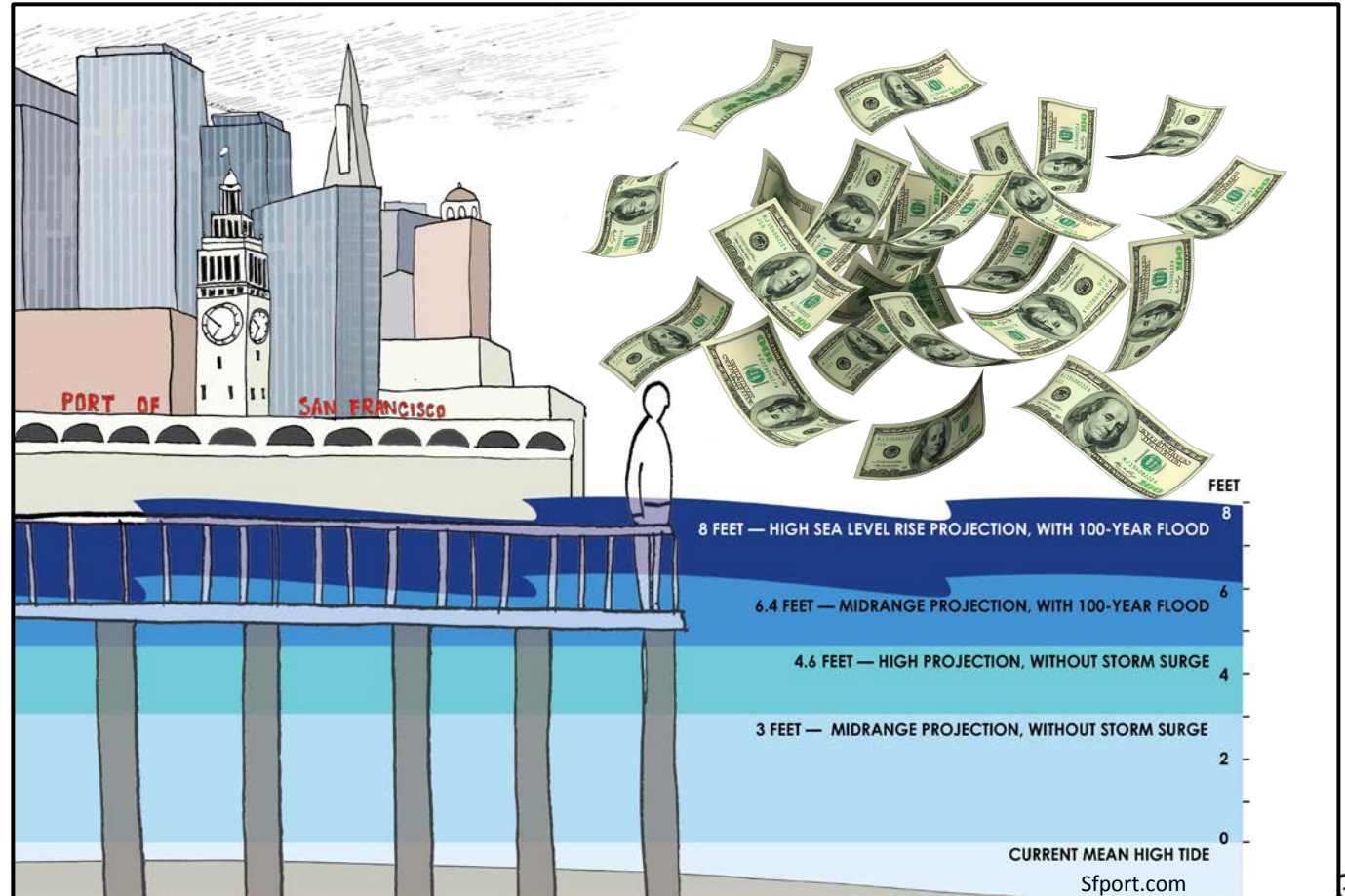


AB 691: Step 2 – Maps of future sea-level rise conditions

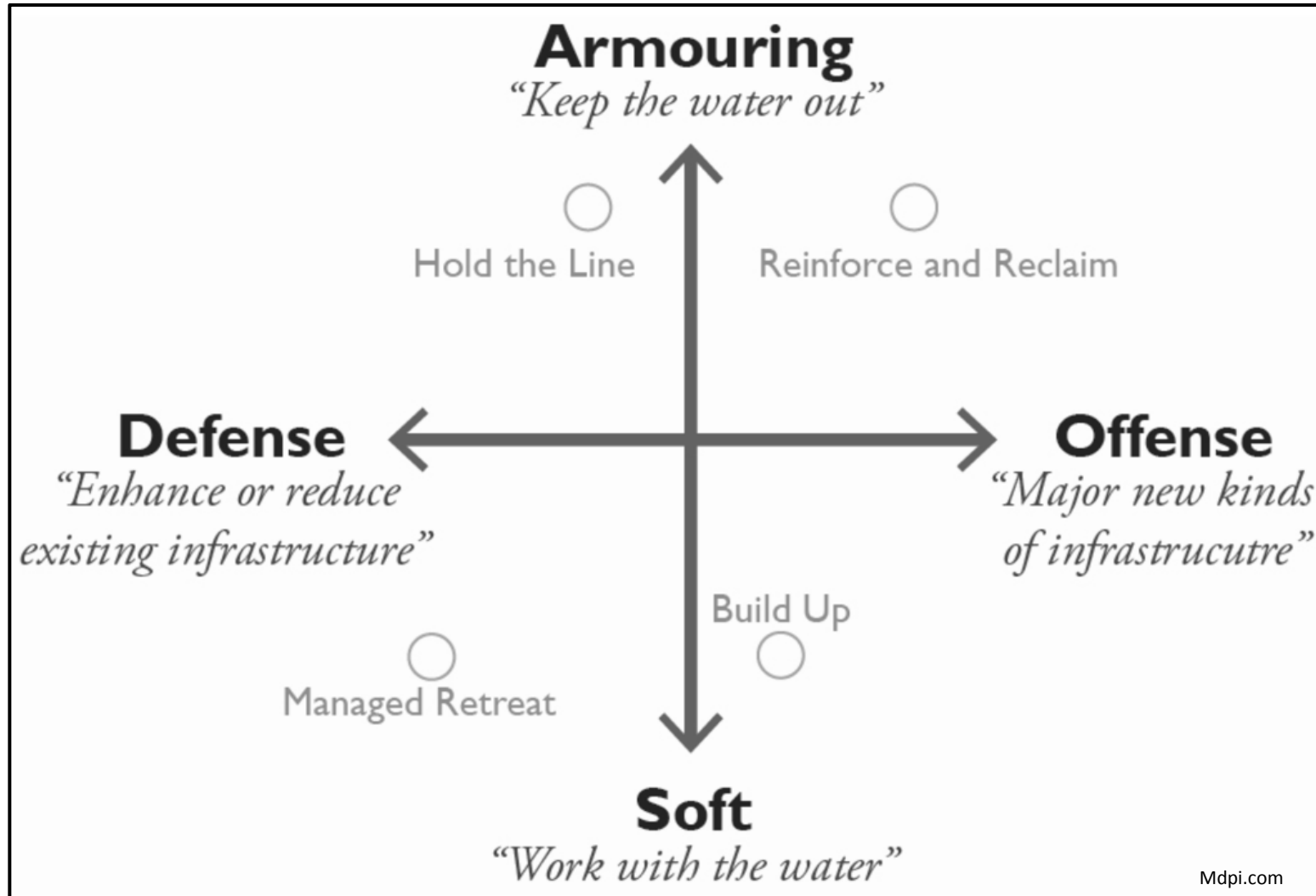


AB 691: Step 3 – Estimate financial costs of sea-level rise

- Estimate replacement or repair costs of vulnerable infrastructure
- Consider 2030, 2050, and 2100 projection timelines
- Value both built and natural assets (natural assets often have non-market values, but are still important resources)
- Estimate costs and benefits of adaptation strategies



AB 691: Step 4 – Outline strategies to protect PT resources



AB 691: Resources and Tools

[State Lands Commission](#) – AB 691 page coming soon!

[California Coastal Commission](#) – sea-level rise guidance

Mapping tools – [NOAA](#), [Surging Seas Risk Finder](#), [Our Coast Our Future](#), + many more



AB 691: Funding Resources

State

- Ocean Protection Council
- Coastal Conservancy

Federal

- FEMA
- NOAA

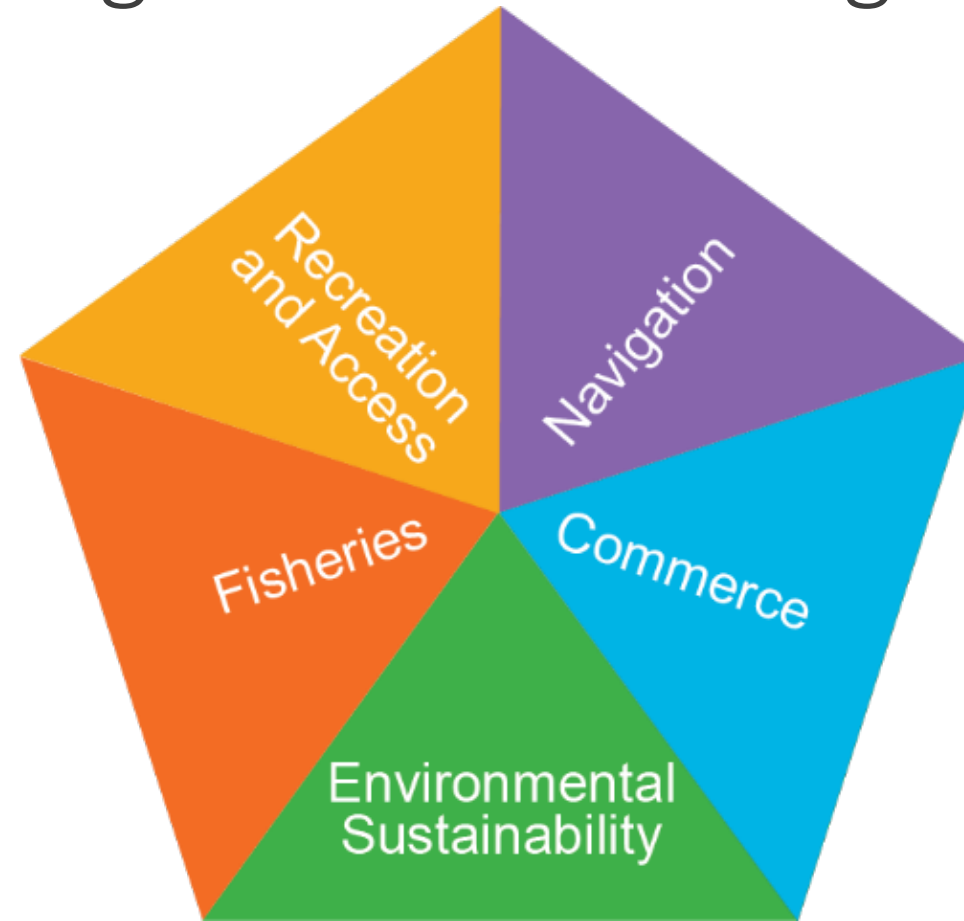
Non-profit

- The Nature Conservancy
- Packard Foundation
- Moore Foundation



Granted Lands: Partners in Protecting the Public Trust

San Diego Ocean Planning Project



San Diego Ocean Planning

Pilot project offshore San Diego Bay

Goal: Develop a decision-support tool that will result in multiple benefits to resource users and improve resource management



Thank You & Questions

For more information:

www.slc.ca.gov

- Maren Farnum, CA Sea Grant Fellow
 - maren.farnum@slc.ca.gov; 916-574-0966
- Jennifer Mattox, Science Policy Advisor
 - jennifer.mattox@slc.ca.gov; 916-574-0748
- Jennifer Lucchesi, Executive Officer
 - jennifer.lucchesi@slc.ca.gov; 916-574-1900

