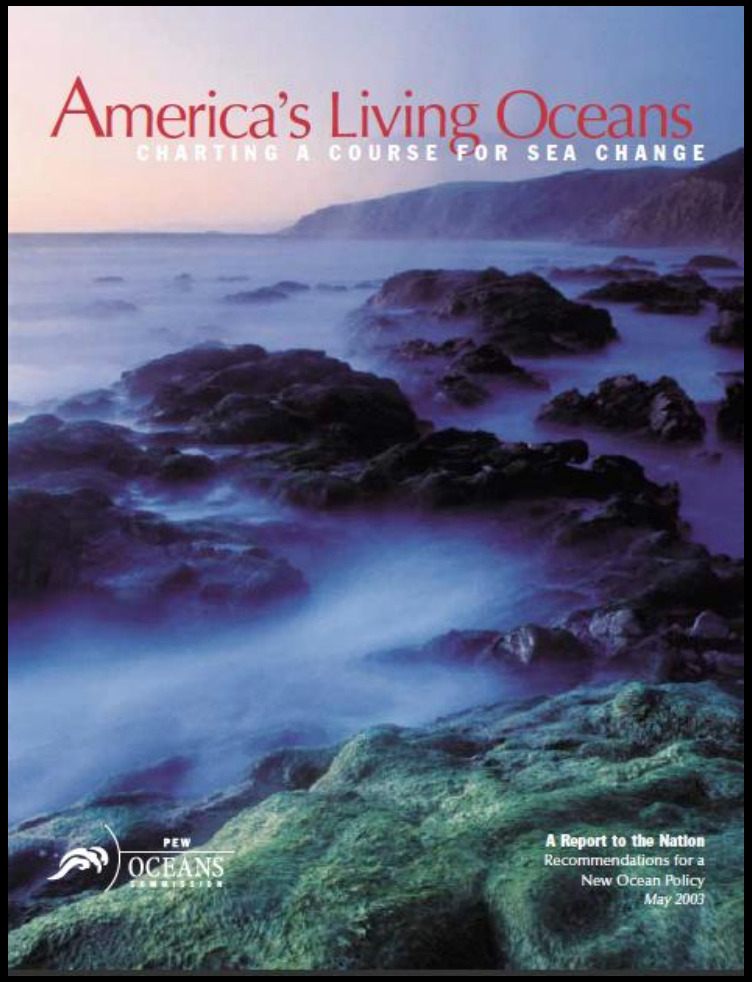
CALIFORNIA OCEAN PROTECTION COUNCIL

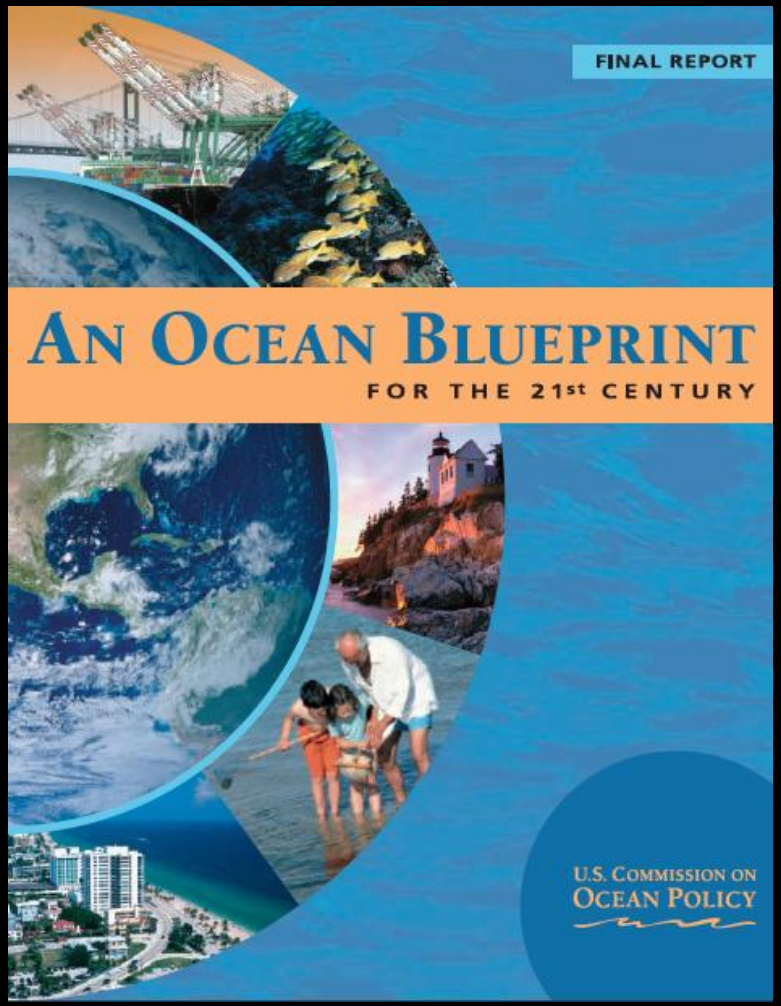
John Laird, Secretary for Natural Resources, Council Chair
Gavin Newsom, Lieutenant Governor, State Lands Commission Chair
Linda Adams, Secretary for Environmental Protection
Susan Golding, Public Member
Geraldine Knatz, Public Member
Fran Pavley, State Senator
Toni Atkins, State Assemblymember

California Ocean Protection Council: Taking Action

Amber Mace PhD, Executive Director
California Ocean Protection Council
6 December 2011

A Call to Action





California Ocean Protection Council

OPC Members:

- **John Laird** Secretary for Natural Resources, Council Chair
- **Matt Rodriquez** Secretary for Environmental Protection
- **Gavin Newsom** Lt. Governor & Chair, State Lands Commission
- **Susan Golding** Public Member
- **Geraldine Knatz** Public Member
- **Fran Pavley** State Senator
- **Toni Atkins** State Assemblymember

State Coastal Conservancy's Executive Officer is the Council Secretary
California Ocean Science Trust's Executive Director is the Science Advisor

California Ocean Protection Council

- Provide Leadership
- Recommend Policy
- Coordinate and convene
- Invest in innovative projects
- Science integration

SCIENCE ADVISORY TEAM

CALIFORNIA OCEAN PROTECTION COUNCIL

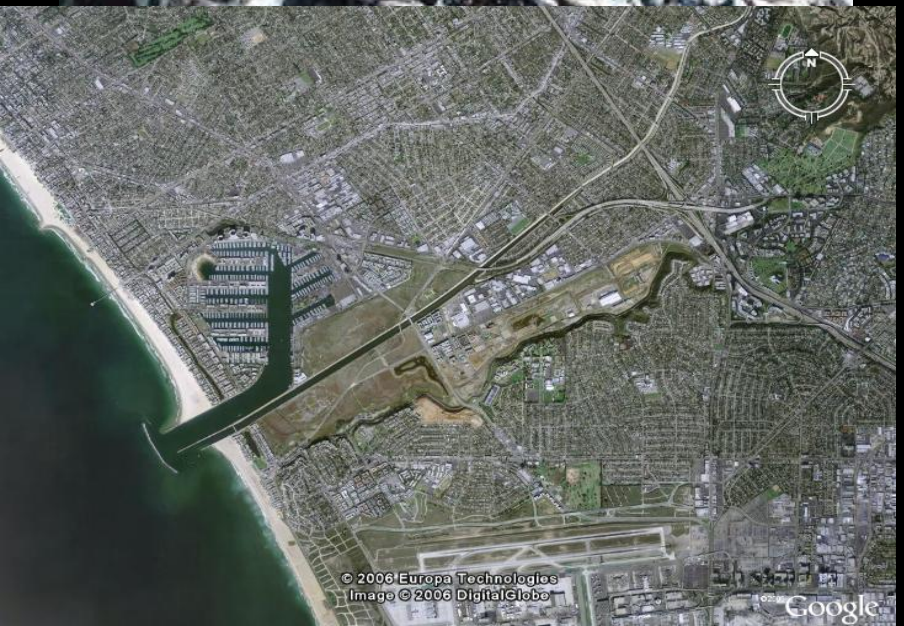
CALIFORNIA Ocean Science Trust OST

Connecting Science to Ocean Management

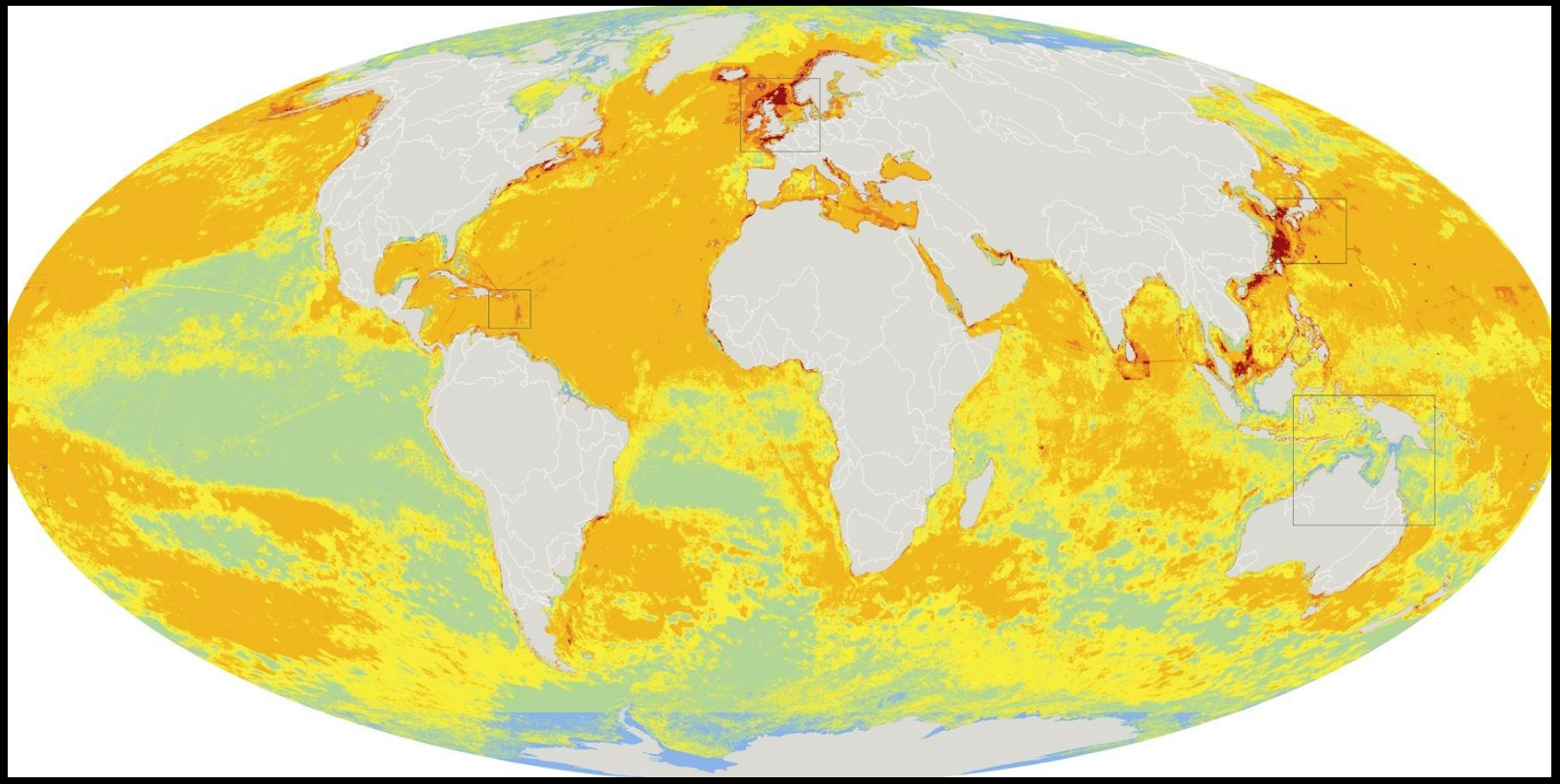
- Expert Advice
- Independent
- Credible

4 Most Serious Threats to the Pacific Ocean

- Overfishing
- Habitat Destruction
- Pollution
- Climate Change



Cumulative Impacts



Halpern, et al. 2008 *Science*

Challenges

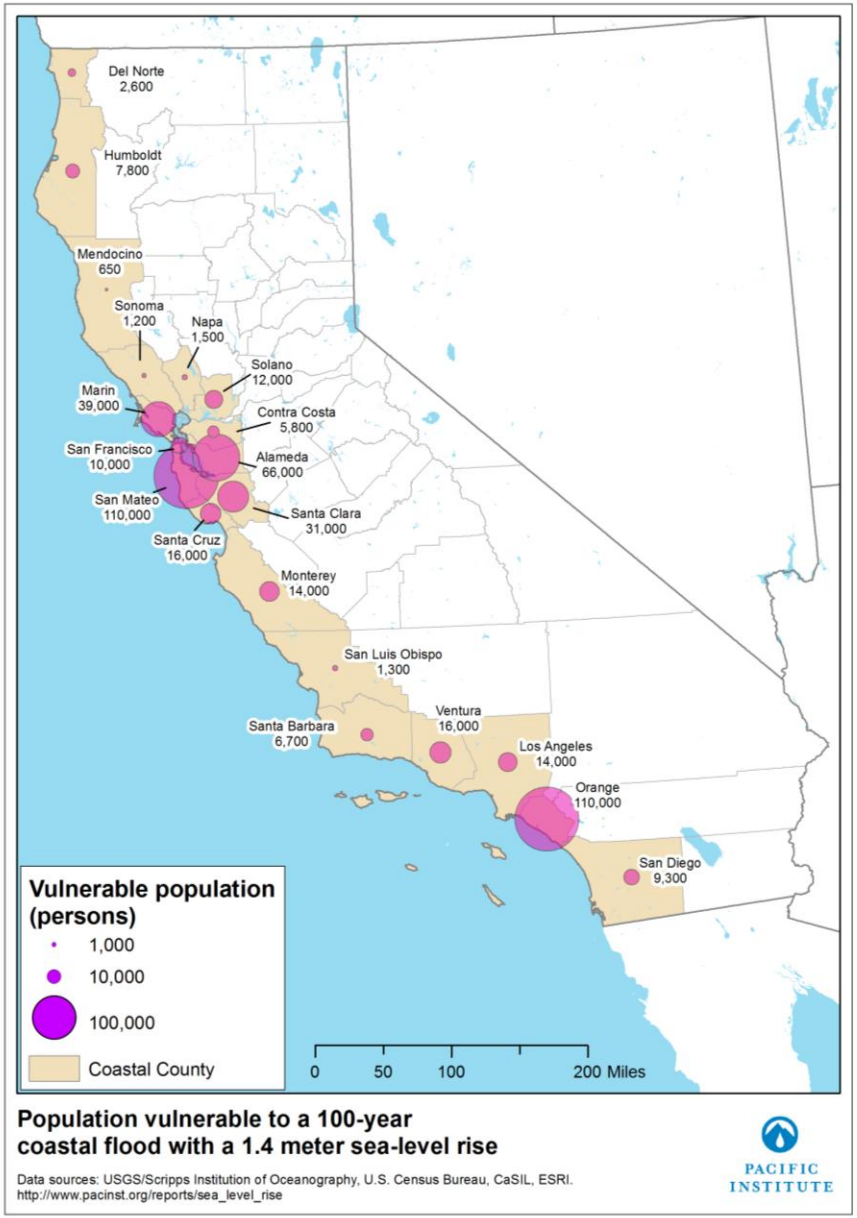
- Troubled financial times
- Multiple agencies with overlapping authority
- Scientific uncertainty
- Information transfer to local and regional decision makers

California

- $1.9US trillion GDP
- 2800 km coastline
- 85% live in coastal counties
- 32 million along coast by 2025

OPC Strategic Plan

- **A. Science-based decision-making**
- **B. Climate change**
- **C. Sustainable fisheries and marine ecosystems**
- **D. Coastal and ocean impacts from land-based sources**
- **E. Existing and emerging ocean uses and cumulative impacts**

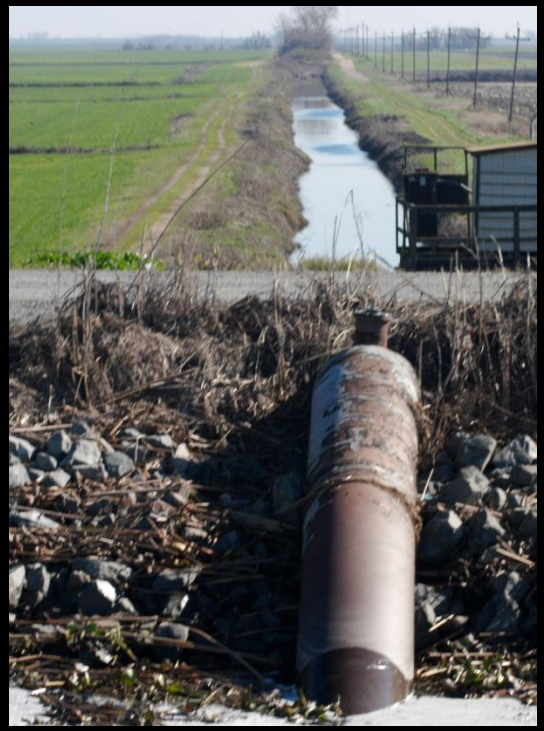


At Risk:

- 480,000 people
- $100 billion in property
- 8900m roads/highways
- 700m railways
- 28 wastewater treatment plants
- 30 coastal power plants
- 330 hazardous waste sites

Suisun Marsh
Petaluma River
Napa River
Grizzly Bay
San Pablo Bay /Carquinez Strait
Honker Bay
Central Bay North
Central Bay East Shore
Central Bay
Central Bay South
Central Bay West Shore
South Bay

SFO Airport



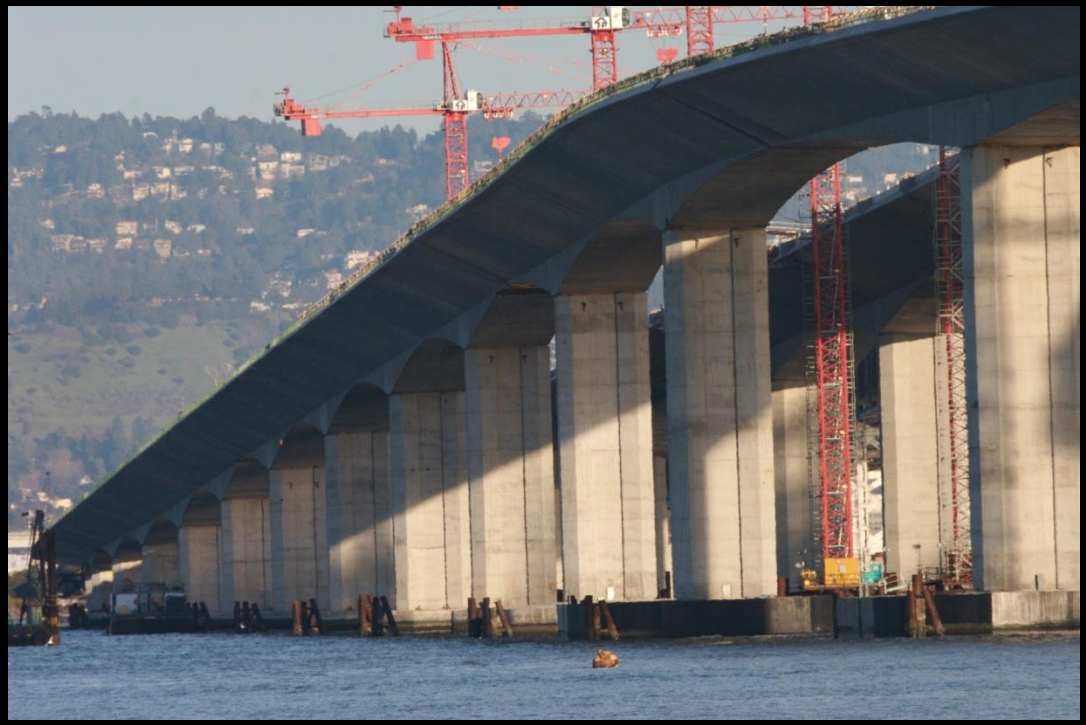
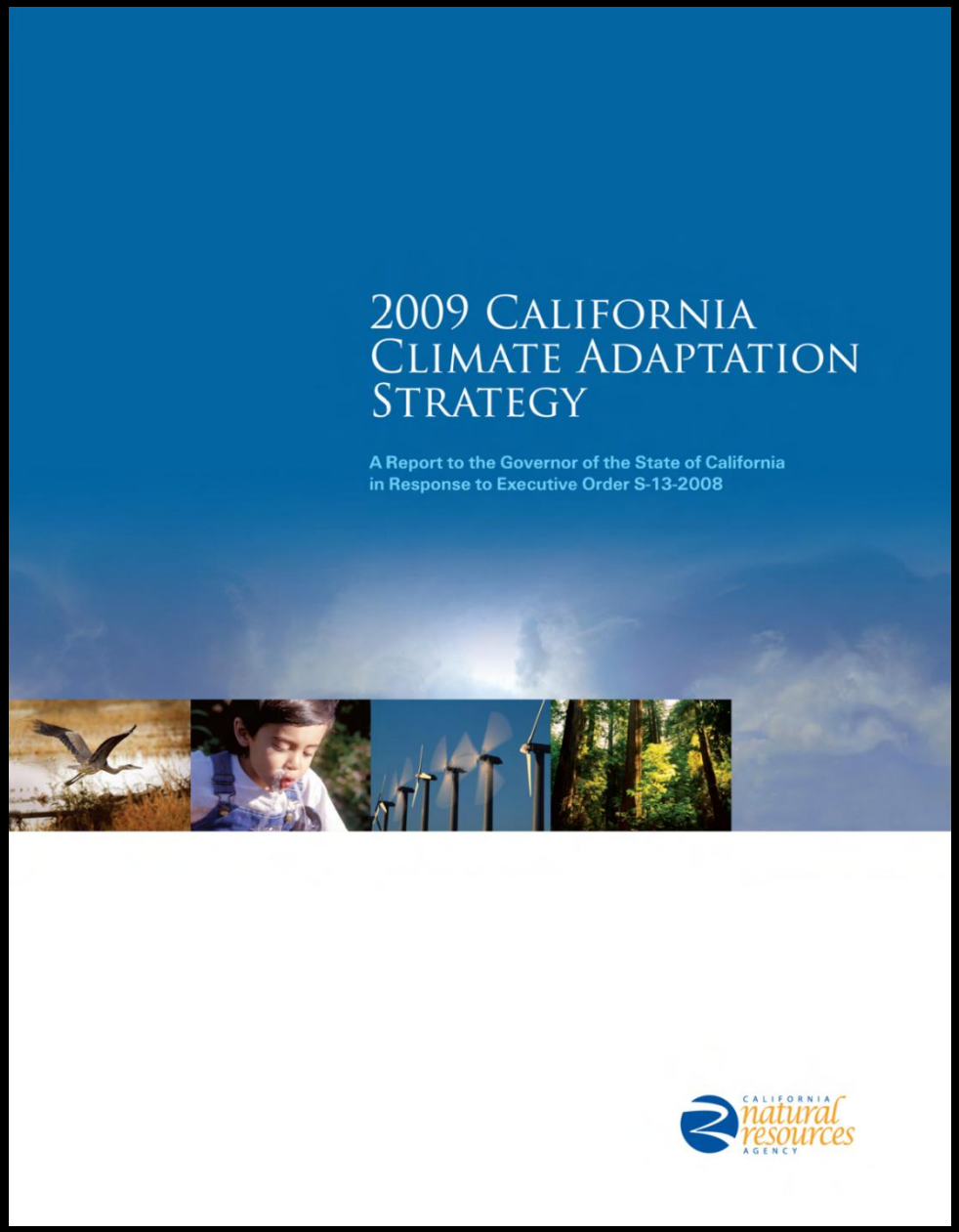


Photo by D. Revell – 2/23/08

Process


2009 California Climate Adaptation Strategy
A Report to the Governor of the State of California in Response to Executive Order S-13-2008
California natural resources Agency

California State
LANDS COMMISSION

California Department of
Toxic Substances Control

STATE OF CALIFORNIA
BUSINESS, TRANSPORTATION &
HOUSING AGENCY

DEPARTMENT OF
WATER RESOURCES

CALIFORNIA
COASTAL
COMMISSION

Caltrans

Coastal
Conservancy

CALIFORNIA
STATE PARKS
SINCE 1864

bcdc
San Francisco Bay
Conservation and Development Commission

California
Environmental
Protection Agency

CALIFORNIA
natural
resources
AGENCY

CALIFORNIA OCEAN PROTECTION COUNCIL

DEPARTMENT OF
FISH AND GAME

The Governor's Office
of Planning and Research

California Department of
Public Health
CDPH

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY
STATE WATER RESOURCES CONTROL BOARD

Sea-Level Rise Projections
Using 2000 As the Baseline Year

Year		Average of Models	Range of Models
2030		7 in (18 cm)	5-8 in (13-21 cm)
2050		14 in (36 cm)	10-17 in (26-43 cm)
2070	Low	23 in (59 cm)	17-27 in (43-70 cm)
	Medium	24 in (62 cm)	18-29 in (46-74 cm)
	High	27 in (69 cm)	20-32 in (51-81 cm)
2100	Low	40 in (101 cm)	31-50 in (78-128 cm)
	Medium	47 in (121 cm)	37-60 in (95-152 cm)
	High	55 in (140 cm)	43-69 in (110-176 cm)

Thank you

Amber Mace, PhD
Executive Director,
California Ocean
Protection Council

CALIFORNIA OCEAN PROTECTION COUNCIL

Documents available at www.opc.ca.gov