

Science to Policy Guidance: How Research Informs Best Practices and Action for Coastal Resiliency



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What is the Ocean Protection Council?

Our mission is to protect California's coast and ocean by advancing innovative, science-based policy and management, making strategic investments, and catalyzing action through partnerships and collaboration. These efforts yield significant benefits to the state while providing a global model for ecosystem-based protection and conservation.

Strategic Goal 1: Safeguard Coastal and Marine Ecosystems and Communities in the Face of Climate Change

Strategic Goal 3: Enhance Coastal and Marine Biodiversity

Strategic Goal 2: Advance Equity Across Ocean and Coastal Policies and Actions

Strategic Goal 4: Support Ocean Health Through a Sustainable Blue Economy



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Using Science to Answer Hard Questions

Characterizing Contaminated Sites in the San Francisco Bay Region and Their Exposure to Future Sea Level Rise and Groundwater Flooding

Informing Policy and Management around Climate Vulnerability of California's Natural Surfing Capital

California Coastal Adaptation Planning Inventory and Evaluation of Planning Trends and Status



Photos from the California King Tides Project



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Coordinating Collective State Action to Drive Coastal Resilience

State Agency Sea Level Rise Action Plan for California: A collaborative roadmap with over 80 actions being taken by state agencies in the next five years to address SLR adaptation and coastal resiliency

1. Develop and Utilize Best Available Science
2. Build Coastal Resilience Partnerships
3. Improve Coastal Resilience Communications
4. Support Local Leadership and Address Local Conditions
5. Strengthen Alignment Around Coastal Resilience
6. Implement and Learn from Coastal Resilience Projects
7. Integrate and Prioritize Equity and Social Justice



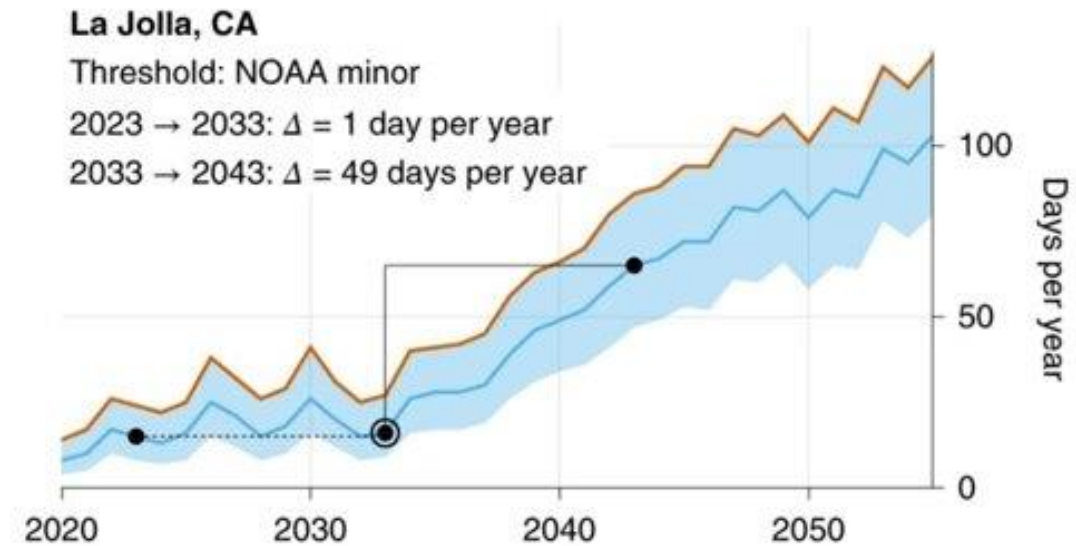
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Bringing Science to Communities

2023 Update to the SLR Technical Guidance

- SLR Guidance Task Force
- New science based on the federal 2022 Sea Level Rise Technical Report
- Reduced range of uncertainty in the near term
- Scenario based approach
- SLR projections: inundation, coastal storm flooding
- SLR impacts: groundwater flooding, cliff erosion, communities
- Application guidance to help communities apply this science to planning



Toward Consistent SLR Planning

- SB 1 Grant Program: Fall 2023
- SB 1: California Sea Level Rise Mitigation and Adaptation Act of 2021 (Atkins)
- \$37.5M appropriation to OPC to fund local, regional, and tribal government SLR adaptation planning efforts
- Fundable projects (still under development): pre-planning, planning, project level
- SLR planning criteria for consistent and equitable planning statewide
- SB 1 Technical Assistance Program: Summer 2023



Photo from the California King Tides Project



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Thank you!



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