

BEACON Presentation at SANDAG  
San Diego, CA  
March 7, 2024

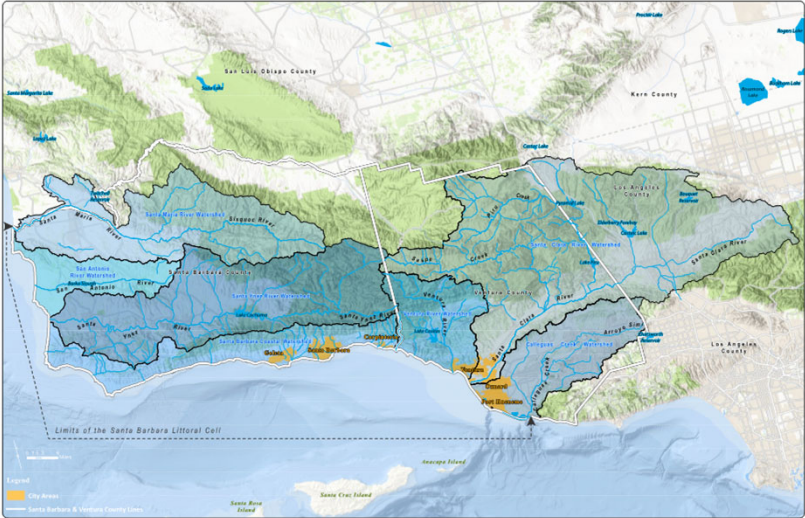


WHO WE ARE

8 Member Agencies:

- County of Santa Barbara
- County of Ventura
- City of Carpinteria
- City of Goleta
- City of Oxnard
- City of Port Hueneme
- City of Santa Barbara
- City of Ventura

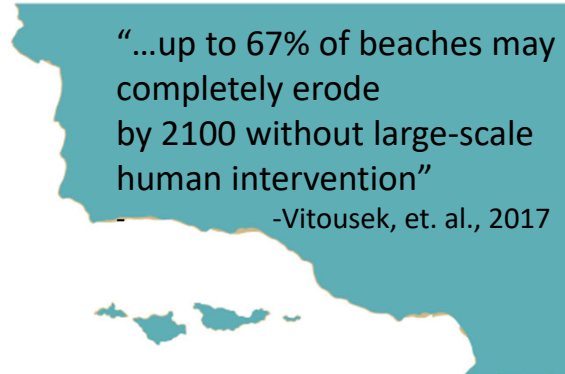
The BEACON Coast



**TODAY**



**2100**



*\*"Vitousek, et. al., (2017), J. Geophys. Res. Earth Surf., 122, 782–806*

3

## WHAT WE DO

**BEACON's supports long-term, comprehensive restoration programs and projects, including:**

**Regional Sediment Management Planning**  
**Coastal Access and Restoration Projects-Goleta, Carpinteria, Rincon/Faria, Ventura, and Port Hueneme**  
**Regional Coastal Sea Level Rise Adaptation**



**Surfer's Point Project Rendering, Ventura**

4

1

## PROJECTS: GOLETA BEACH RESTORATION

- Goleta Beach has lost its sandy beach over the last 30 years
- One of the most visited beaches on the south coast, especially by underserved communities
- Identified as one of the most important beach access points in the region
- BEACON is supporting solutions to build long-term resilience

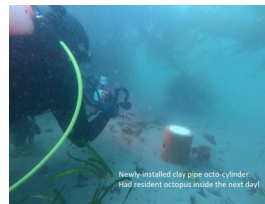
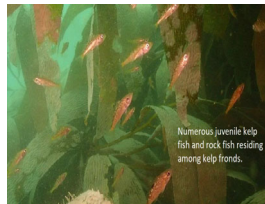


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2

## PROJECTS: GOLETA BAY KELP ANCHOR DEMONSTRATION

- California is losing its historic kelp forests
- Kelp is essential to aquatic species & is needed for a healthy ocean ecology



- Redevelop our kelp resources through alternative technology. Demonstration and proof of concept project.

6

3

### PROJECTS: CARPINTERIA BEACH NOURISHMENT

- Carpinteria Beach is severely eroded
- Demonstrates regional beach erosion
- BEACON is embracing nature-based solutions and reestablishing the water sheds.



Beach Nourishment



After Beach Nourishment

7

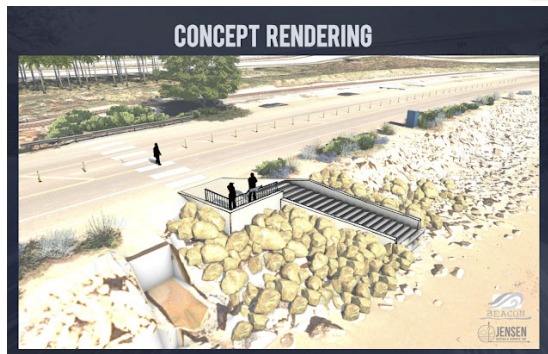
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### PROJECTS: MONDO'S COVE BEACH ACCESS STAIRWAY

- Limited public beach access
- Dangerous
- One of Ventura's most heavily-used beaches
- Timeline for completion is two-years



Current view of Mondo's Cove



Initial concept rendering of Mondo's Cove

8

## PROJECTS: SURFER'S POINT LIVING SHORELINE



- Chronic coastal erosion, threatening public facilities
- Implementing nature-based restoration project that eliminates negative coastal resource impacts, provides for long-term resilience



5

9

## PROJECTS: TSUMAS CREEK & ORMOND LAGOON

- Tsumas Creek & Ormond Lagoon filled to capacity with trash & debris
- BEACON working to help fund trash booms in the Tsumas Creek above the Ormond Lagoon Waterway to address continuing trash problem



- Trash booms will help reduce polluted runoff and trash from entering into the Ormond Lagoon Waterway, and subsequently into the Pacific Ocean

6

10

## PROJECTS: COASTAL REGIONAL SEDIMENT MANAGEMENT PLAN



7

- Sediment plan is outdated
- Need updated science, especially on sea-level rise and climate change
- Working on updating the plan with more current data

11

## BEACON: Integrating Science and Policy

- BEACON has always employed the best available science and scientists
- In the past 5 years BEACON has advanced its science planning:
  - 2019-2020 Science Strategy
  - 2021 BEACON Science Survey-solicit input on BEACON science activities
  - 2021 BEACON established Science Advisory Committee (SAC)
  - 2021 SAC developed Science Research Goals for the BEACON Strategic Plan
  - 2022 SAC developed a Science Research Agenda with Implementation Strategy
  - Research Agenda identified Regional Monitoring as a critical element of successful agency programs, including physical, ecological, socio-cultural data collection

12



## Governance Analysis of Alignment of Regional Sediment Management and Sea Level Rise Adaption

Legislature approved \$50,000 in funding to BEACON in the California Budget as a line item in the Coastal Conservancy budget:

*“To the Beach Erosion Authority for Clean Oceans and Nourishment (BEACON) for analysis of options for aligning regional sediment management and sea level rise adaptation.”*

15

## Study Objectives

- Examine governance options for increasing the integration of regional sediment management and sea level rise adaptation
- Report outlining a range of available and feasible options for governance and financing options to better integrate RSM and coastal resilience planning
- List of recommendations for regional sediment management, including how the state of California can further assist RSM organizations to implement their plans.

16



## Study Methods

- Examine current coastal regional sediment management and regional sea level rise adaptation governance in California
- Examine potential role of the state of California in promoting and supporting integration efforts at the regional level
- Involve federal, state, and regional stakeholders to provide insight of potential governance options and recommended actions through expert interviews, surveys, and focus groups

17

## THANK YOU!

- **BEACON Chair Vianey Lopez**
  - Supervisor, County of Ventura
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- **BEACON Executive Director Marc Beyeler**
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18

# Data Inventory

- BEACON SAC summary of ongoing monitoring
- CA Sea Grant/UCSB Coastal Monitoring Web Application & Map
- BEACON regional resilience planning & RCAMP team
- **Input from BEACON stakeholders/managers**

