



South Orange County Beach Coalition
December 15, 2025
OC Sailing & Events Center



Katrina
FOLEY
SUPERVISOR - FIFTH DISTRICT

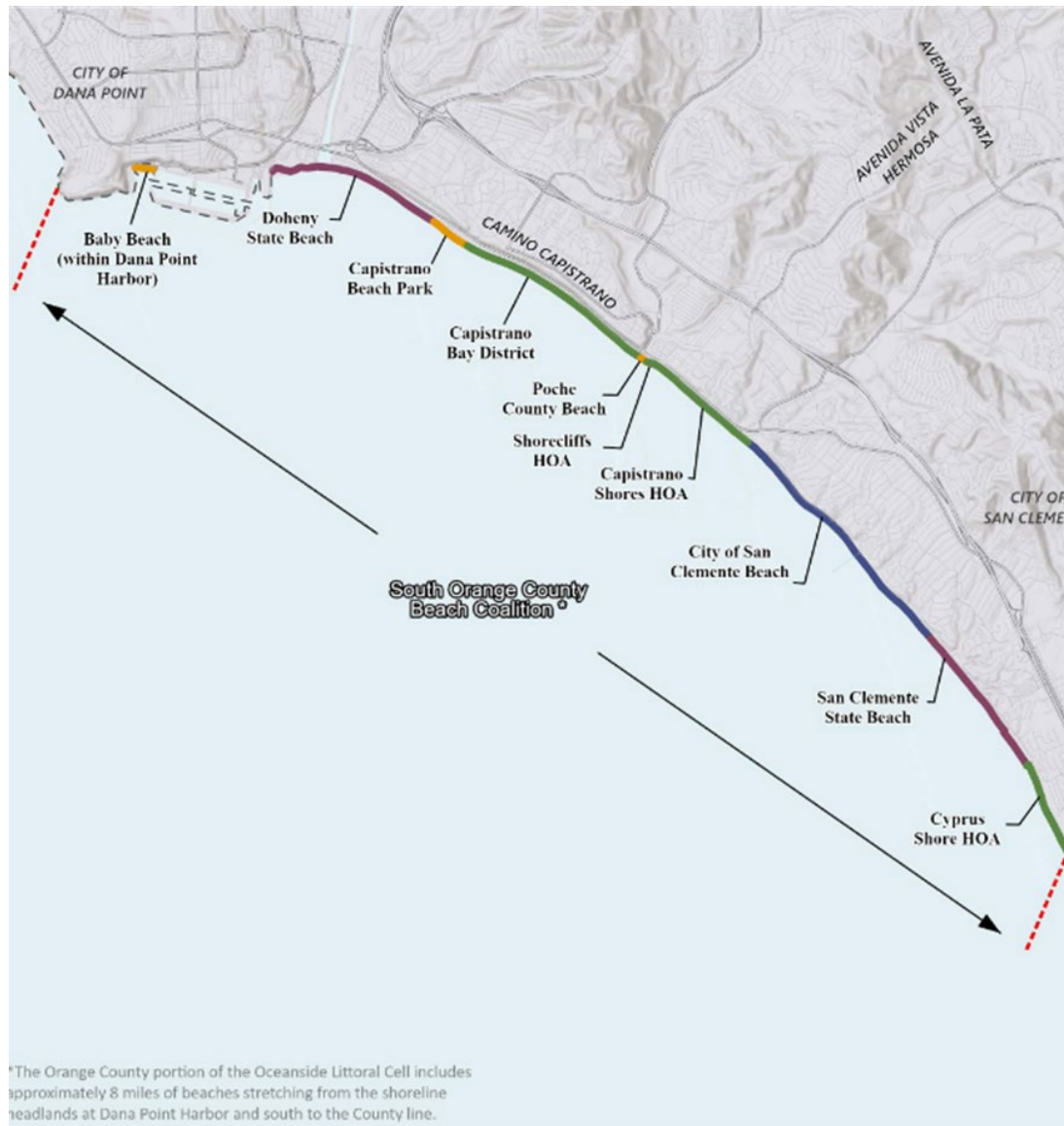
Land Acknowledgement

Orange County is within the unceded traditional territory of the Acjachemen and Tongva Peoples. The Acjachemen share territory with their relatives and neighbors: Tongva to the north and south to Newport Beach as well as the Luiseño to the east and south.

These native peoples are still here and remain as Nations with international relationships. With this acknowledgment, we pay respect to and honor the original traditional stewards of what is now known as Orange County, the Acjachemen and Tongva past, present, and future.

South Orange County Beach
Coalition





*The Orange County portion of the Oceanside Littoral Cell includes approximately 8 miles of beaches stretching from the shoreline readlands at Dana Point Harbor and south to the County line.

Vision

Restore, protect, and preserve sandy public beaches and the critical infrastructure located along the coastline of south Orange County.

Mission

Foster greater cooperation toward the maintenance and enhancement of beaches. Decrease jurisdictional silos and increase collaboration for coastal resilience.

South Orange County Beach Coalition



Goals

- A. Increase collaboration across jurisdictions, agencies, and stakeholders for
- B. Identify green, grey, and hybrid solutions to replenish and retain sand and minimize coastal erosion. while preserving, reestablishing, and enhancing the natural coastal habitat where possible.
- C. Support regional projects and collaborations to increase sand supply, mitigate the impacts of sea level rise, protect critical infrastructure, and decrease coastal erosion.
- D. Identify funding opportunities to increase efficiency of financial resources and decrease the individual financial burden for jurisdictions, agencies, and beachfront communities.
- E. Develop a coastal resiliency maintenance and enhancement plan and implementation strategy.
- F. Maintain, preserve, and enhance coastal recreation, heritage & culture, as well as public access to the coastline.

Objectives

- A. Develop a robust understanding of sediment dynamics to enable recommendations and activities to enhance coastal resiliency. Collect, share and analyze relevant data and recommend activities to enhance coastal resiliency.

Table 4.1 - Summary of Plan Activities

Number	Activity	2013 Priority	Type	State	Duration	2025 Status	Notes	2025 Priority
4.1	Initiate Outreach & Education	High	Plan Performance	Potential	Project	Completed	DBW completed and made documents available online.	TBD
4.2	Develop a Governance Structure	High	Governance and Regulations	Potential	Ongoing	Initiated/Ongoing	County of Orange	TBD
4.3	Establish County Staff Position to Implement the Plan	High	Governance and Regulations	Potential	Ongoing	Completed	Position start date December of 2024	TBD
4.4	San Clemente Shoreline Project	High	Construction	Potential	Ongoing	Initiated/Ongoing	115k CY placed in 2024, 50-yr project	TBD
4.5	Dana Point Harbor Dredging and Nearby Nourishment	High	Construction	Existing	Project	Scheduled 2025	Anticipated Fall of 2025	TBD
4.6	Surfside-Sunset Beach Nourishment Project	High	Construction	Existing	Recurring	Ongoing	seeking State/Federal funding support	TBD
4.7	Newport Harbor & Bay Dredging & Beach Nourishment	High	Construction	Existing	Recurring	Scheduled 2025	anticipated for Fall of 2025	TBD
4.8	Bolsa Chica Maintenance Dredging and Huntington Cliffs Nourishment	High	Construction	Existing	Recurring	Ongoing		TBD
4.9	Santa Ana River and Huntington Beach Wetlands Dredging	High	Construction	Existing	Recurring	Ongoing/TBD	OCPW	TBD
4.10	East Beach, Seal Beach Maintenance	High	Construction	Existing	Recurring	Ongoing	City of Seal Beach	TBD
4.11	Prado Dam Bypassing to Santa Ana River	High	Construction	Existing	Recurring	TBD	OCWD, mid-term goal 2030-2045	TBD
4.12	Improved Monitoring and Performance Evaluation	High	Plan Performance	Existing	Ongoing	Ongoing	All	TBD
4.13	Data Gaps and Database	High	Plan Performance	Potential	Ongoing	Ongoing	OCWD and SediMatch, repository? Coalition webpage?	TBD
4.14	Develop a SCoup within Orange County	High	Governance and Regulations	Potential	Ongoing	Initiated/Ongoing	In progress at OCPW	TBD
4.15	Establish a Dedicated Fund and Process for Implementing Coastal RSM	Medium	Governance and Regulations	Potential	Ongoing	TBD	TBD, high priority	TBD
4.16	High Fines Sediment Nourishment Pilot Study	Medium	Plan Performance	Potential	Ongoing	TBD	All	TBD
4.17	Establish Funding Stream to Accommodate Incremental RSM Costs	Medium	Construction	Potential	Ongoing	TBD	Efforts underway, yet to succeed	TBD
4.18	Sea Level Rise Beach Sustainability Study	Low	Plan Performance	Potential	Project	TBD	Supporting data underway, comprehensive study still needed.	TBD
4.19	Orange County Dredge Ownership	Low	Construction	Potential	Ongoing	Ongoing	expanding effort with SANDAG for SoCal region	TBD
4.20	Sand Retention Feasibility Study	Low	Plan Performance	Potential	Project	Initiated/Ongoing	City of San Clemente effort together with Capo/Doheny Nature-Based Shoreline Adaptation Project	TBD
4.21	Huntington Harbour Dredging with Beach or Nearshore Placement	Low	Construction	Potential	Recurring	Initiated/Ongoing	Last maintenance in 2016	TBD
4.22	Update the Plan	Low	Plan Performance	Potential	Recurring	Initiated/Ongoing	State of the Coast status report prepared herein	TBD
4.23	Update Sediment Budget for Laguna Beach Littoral Cell	Low	Plan Performance	Potential	Project	TBD	City of Laguna Beach	TBD

4.24	Investigate Methods to Assess and Mitigate for Upstream Sand Mining	Low	Governance and Regulations	Potential	Ongoing	Anticipated, Date Not Certain	UCI research study proposed	TBD
4.25	Study Large Grain Size Impacts at East Beach, Seal Beach	Low	Plan Performance	Potential	Project	TBD	Seal Beach	TBD
4.26	Update Sediment Transport Studies for Southern California	Low	Plan Performance	Potential	Project	Ongoing	UCI, Kahl study, City of San Clemente transect study (ongoing)	TBD

2025 Implementation Updates - New Activity Recommendations

Number	Activity	2013 Priority	Type	State	Duration	2025 Status	Notes	2025 Priority
4.27	Niguel Shores Revetment Restoration Project	N/A	Construction	Existing	Project	Completed	OC Parks, County of Orange	TBD
4.28	South Orange County Regional Coastal Resilience Strategic Plan	N/A	Plan Performance	Existing	Ongoing	Completed	OC Parks, County of Orange	TBD
4.29	Off-Shore Sand Source Invesetigation	N/A	Construction	Existing	Project	Ongoing	City of San Clemente	TBD
4.30	Prioritize Sand Sources for the Region	N/A	Plan Performance	Potential	Project	Anticipated	Beach Coalition?	TBD
4.31	OCTA Coastal Emergency	N/A	Construction	Existing	Project	Ongoing	OCTA	TBD
4.32	OCTA Coastal Rail Resiliency Study	N/A	Construction	Existing	Project	Ongoing	OCTA	TBD
4.33	Coastal Rail Long-Term Solutions Study	N/A	Plan Performance	Existing	Project	Anticipated	State of CA, LOSSAN	TBD
4.34	Capstone Project: City of San Clemente & UCI	N/A	Plan Performance	Existing	Project	Completed	City of San Clemente/UCI	TBD
4.35	City of San Clemente Sand Compatability Opportunistic Use Program	N/A	Construction	Existing	Project	Ongoing	City of San Clemente	TBD
4.36	SANDAG Regional Beach Sand Project III	N/A	Construction	Existing	Project	Initiated/Ongoing	SANDAG	TBD
4.37	Capistrano Doheny Nature-Based Shoreline Project	N/A	Construction	Existing	Project	Initiated/Ongoing	OC Parks, County of Orange	TBD
4.38	Capistrano Beach Master Plan	N/A	Plan Performance	Existing	Project	Initiated/Ongoing	OC Parks, County of Orange	TBD
4.39	Doheny State Beach Campground	N/A	Construction	Potential	Project	Initiated/Ongoing	CA State Parks	TBD
4.40	Orange County Public Works Regional Stockpile	N/A	Construction	Potential	Project	Anticipated	Orange County Public Works	TBD
4.41	Sand Tracer Study	N/A	Plan Performance	Potential	Project	TBD	OC Parks, County of Orange	TBD
4.42	Develop a Comprehensive Shoreline Monitoring System	N/A	Plan Performance	Potential	Ongoing	TBD	Beach Coalition?	TBD
4.43	Seek Recognition of Beaches as Infrastructure Listed in the Society of Civil Engineers	N/A	Governance and Regulations	Potential	Project	TBD	ASBPA/Beach Coalition?	TBD
4.44	Research Root Causes of Coastal Erosion	N/A	Plan Performance	Potential	Ongoing	TBD	UCI/Capistrano Bay District	TBD

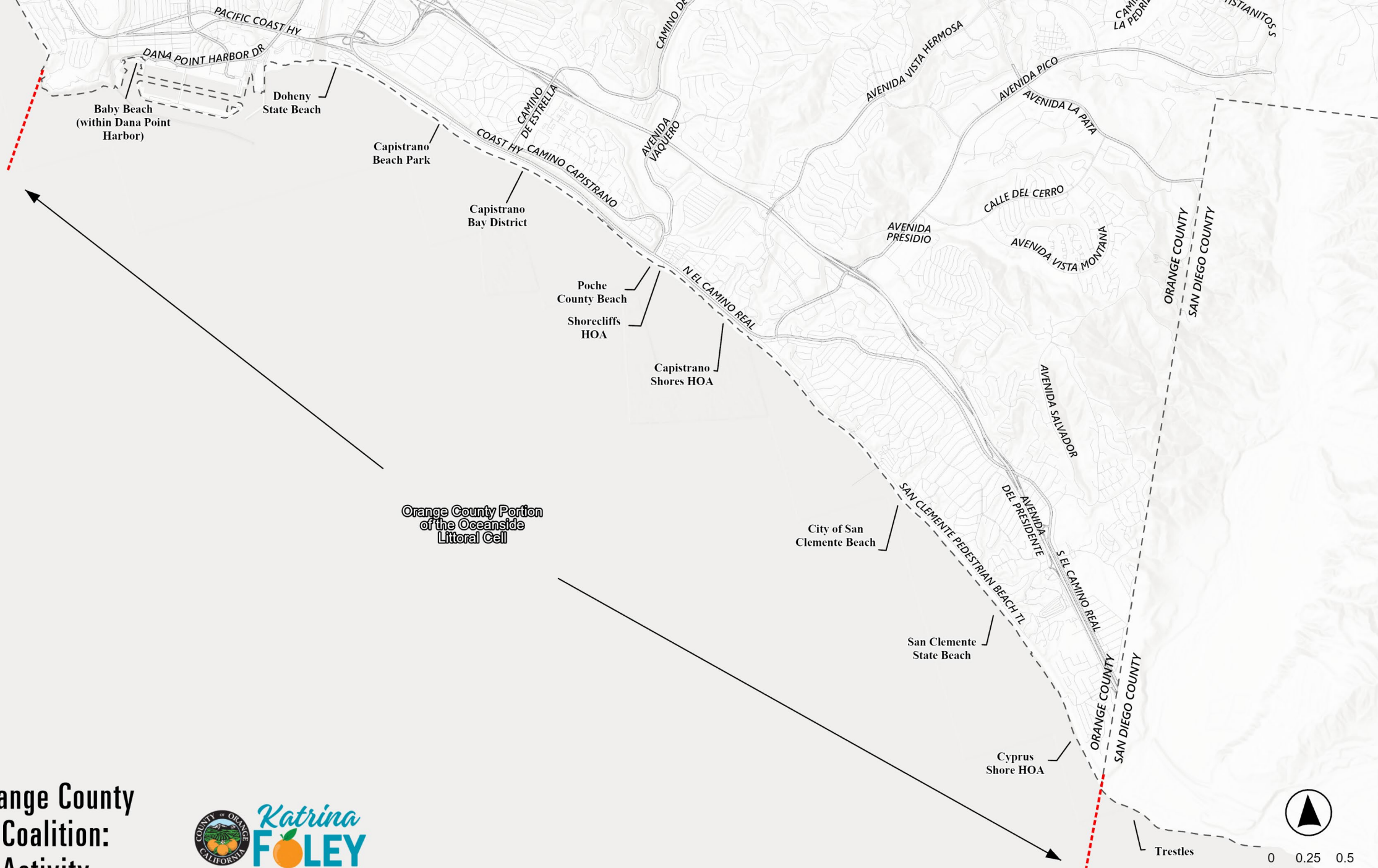
Key Takeaways:

Continue ongoing high-priority projects

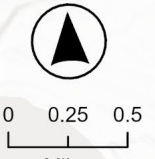
Focus and prioritize establishing revenue stream for RSM, obtaining regulatory permits for SCOUP, and Prado Dam bypassing

Continue mid-priority research and study efforts for monitoring, dredge ownership, and sediment transport

Plan to initiate other low priority projects as identified in the RSMP



South Orange County Beach Coalition: Map Activity





Discussion/Feedback



Thank you!

SouthCoastalResilience@ocparks.com

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Key Takeaways:

Continue ongoing high-priority projects

Focus and prioritize establishing revenue stream for RSM, obtaining regulatory permits for SCOUP, and Prado Dam bypassing

Continue mid-priority research and study efforts for monitoring, dredge ownership, and sediment transport

Plan to initiate other low priority projects as identified in the RSMP

State of the Coast: Plan Performance

High	Medium	Low
Initiate Outreach & Education	High Fines Sediment Nourishment Pilot Study	Sea Level Rise Beach Sustainability Study
Improved Monitoring and Performance Evaluation		Sand Retention Feasibility Study
Data Gaps and Database		Update the Plan
		Update Sediment Budget for Laguna Beach Littoral Cell
		Study large grain size impacts at East Beach, Seal Beach
		Update Sediment Transport Studies for Southern California

State of the Coast: Construction

High	Medium	Low
San Clemente Shoreline Project	Establish a Funding Stream to Accommodate Incremental Regional Sediment Management Costs	Orange County Dredge Ownership
Dana Point Harbor Dredging and Nearby Nourishment		Huntington Harbour Dredging with Beach or Nearshore Placement
Surfside-Sunset Beach Nourishment		
Newport Harbor & Bay Dredging & Beach Nourishment		
Bolsa Chica Maintenance Dredging and Huntington Cliffs Nourishment		
Santa Ana River and Huntington Beach Wetlands Dredging		
East Beach, Seal Beach Maintenance		
Prado Dam Bypassing to Santa Ana River		

State of the Coast: Governance and Regulations

High	Medium	Low
Develop a Governance Structure	Establish a Dedicated Fund and Process for Implementing Coastal Regional Sediment Management	Investigate Methods to Assess and Mitigate for Upstream sand Mining
Establish County Position to Implement the Plan		
Develop a Pilot SCOUP within Orange County		











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