

South Orange County Beach Coalition
April 15, 2026
OC Sailing & Events Center





South Orange County Beach Coalition



II. Roll Call

South Orange County Beach Coalition



III. 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.

IV. Consent Calendar

1. Minutes March 18, 2026



V. Discussion Items

5.A. CA State Parks: Doheny Campground Climate Resilience & Modernization Project

South Orange County Beach Coalition



Doheny State Beach Campground

Climate Resilience and Modernization Project

California State Parks
Orange Coast District



South Coast
Water District



South OC Beach Coalition Meeting
April 15, 2026

Eliza.Atwood@Parks.ca.gov | Riley.Pratt@Parks.ca.gov



Project Overview

Ahead of Community Engagement (April 28)



DOHENY CAMPGROUND COMMUNITY MEETING

**TUESDAY, APRIL 28, 2026
6:00-7:30 PM**
OC SAILING & EVENTS CENTER
DANA COVE ROOM

34451 Ensenada Pl
Dana Point, CA 92629

Join us to learn about the **Doheny State Beach Campground Climate Resilience & Modernization Project** and share your input as the project moves into its next stage.

Presentation and Q&A:
Learn about project scope and benefits. Have questions answered from the project team.

Provide feedback on planned improvements:
Public safety and access, campground amenities, and sea level rise adaptation.

Doheny Ocean Desalination Project presentation by South Coast Water District:
Overview of planned improvements, scope, and community benefits

No RSVP required.

In partnership with:

For more information
Eliza.Atwood@parks.ca.gov



- 01 Project background & Existing Challenges
- 02 Planning Framework
- 03 Current Campground Design
- 04 Estimated Project Timeline
- 05 Adjacent Project Coordination
- 06 Next Steps

01



Project Background & Existing Challenges

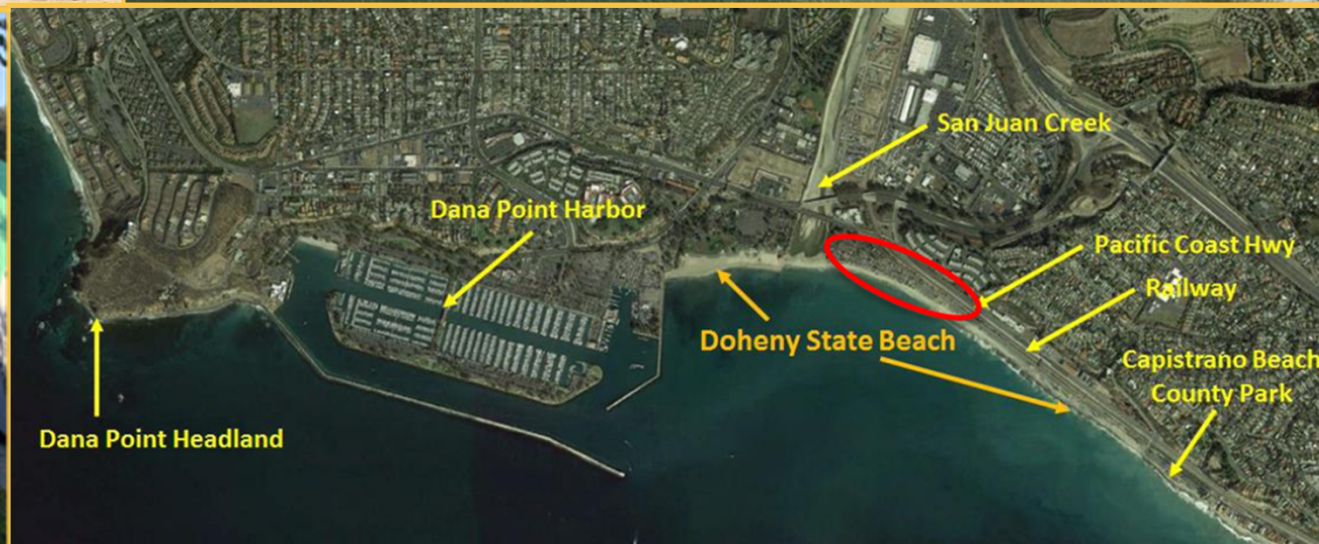
High-use camping and day-use destination
(~1 million annual visitors to Doheny State Beach)



Doheny Campground Context



Located in a low-lying, highly dynamic coastal zone
(~6,000 ft of shoreline adjacent to the San Juan Creek mouth)



Existing Challenges & Need for Adaptation



Flooding, drainage, and groundwater issues



Wave overtopping and shoreline erosion



Aging infrastructure



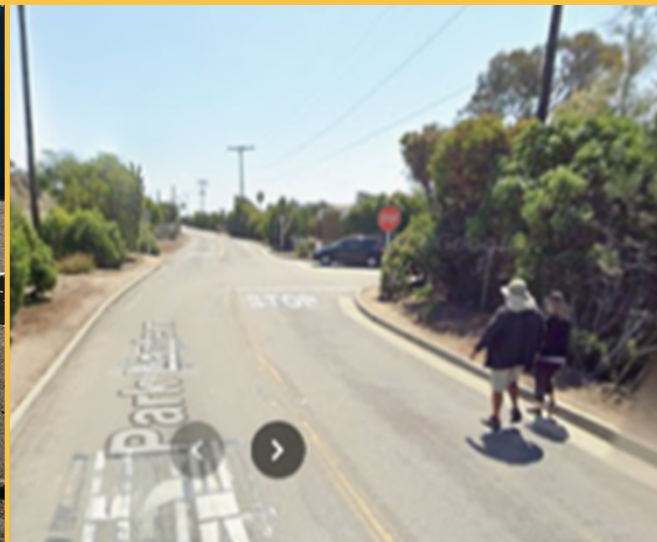
Circulation and public safety challenges



Increasing maintenance demands and disruptions

Existing Sites & Layout

- Small spaces (2-4 people max.)
- No electrical hookups
- Noisy generators
- Frequent winter flooding
- Unsafe pedestrian access



Scenes from the Winter 2023 Atmospheric River

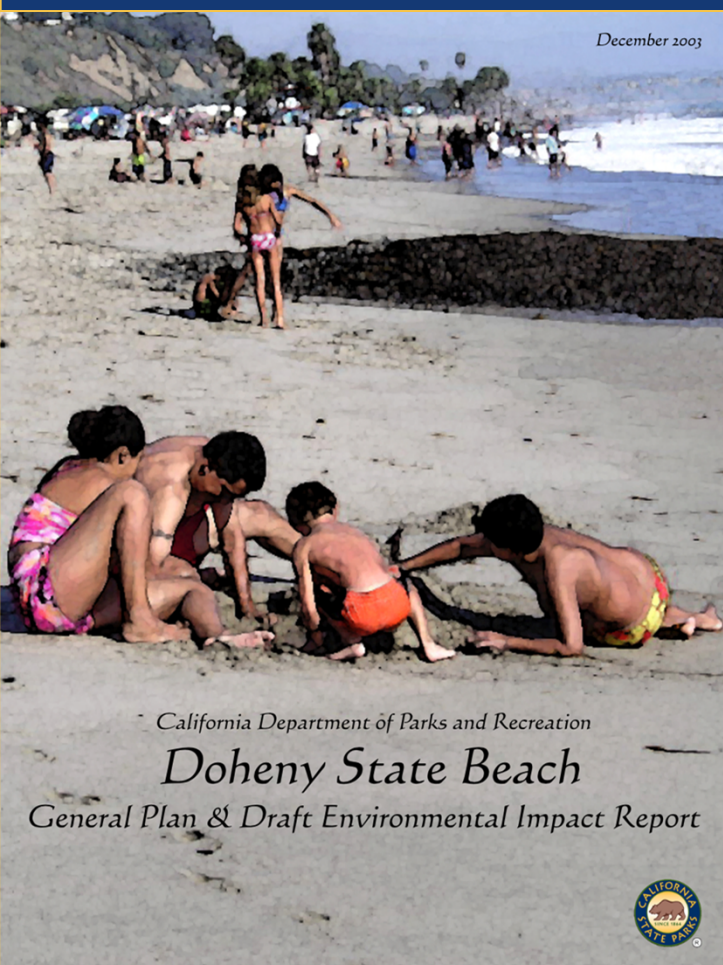


02



Planning
Framework

Doheny General Plan & EIR (2004): A Long-Term Programmatic Framework



ISSUES IDENTIFIED IN THE GP/EIR

1. CIRCULATION & ACCESS CONFLICTS

“...pedestrian and bicycle routes are disjointed, additional directional signage would be helpful, and improved separation from roads and parking areas is needed...” (*GP Section 2.1.4*)

2. CAMPGROUND AMENITY DEFICIENCIES

Public workshops identified need for “electrical hookups, more and larger campsites, and a group camp facility.” (*GP Section 2.1.4*)

3. OVERUSE & CAPACITY PRESSURES

“Located in a heavily populated and well-traveled urban setting, the park is subject to outside stresses that challenge the ability of park staff to maintain a high-quality park visitor experience.” (*GP Section 1.1.2*)

4. DRAINAGE & WATER QUALITY CHALLENGES

“Water quality...a significant local problem due to the high concentration of urban pollutants in the storm drain system.” (*GP Section 2.1.4*)

This project directly implements needs identified in the 2004 General Plan.

1. SAFER PEDESTRIAN CIRCULATION

Dedicated multi-use path, enhanced connectivity

2. MODERNIZED CAMPING AMENITIES

Electrical hookups, larger sites, greater variety (group campsite, 25 new tent-only sites)

3. IMPROVED SITE LAYOUT & EFFICIENCY

Similar site count (~100 vs. 122) with better longevity & access to restrooms, utilities, and internal roadways

4. REGRADING & ENHANCED DRAINAGE

Reduces ponding + storm impacts



CRITICAL GAP IN THE 2004 PLAN: Climate Resilience

The General Plan focuses on:

- Visitor use
- Facilities
- Circulation
- Resource protection

However, it does not evaluate:

- Sea level rise
- Long-term coastal flooding
- Wave overtopping
- Groundwater rise

At the time (22 years ago), sea level rise was not incorporated into our planning framework.

To address this gap,
a Vulnerability Assessment
(2025) was conducted.



State of
California
Sea Level
Rise Guidance

2024 SCIENCE & POLICY UPDATE

FINAL REPORT
California Department of Parks and Recreation
April 2025

moftatt & nichol

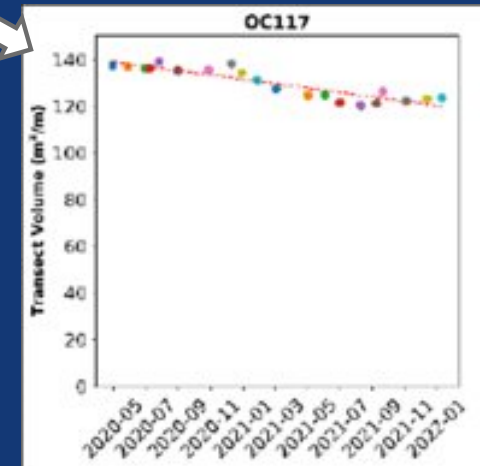
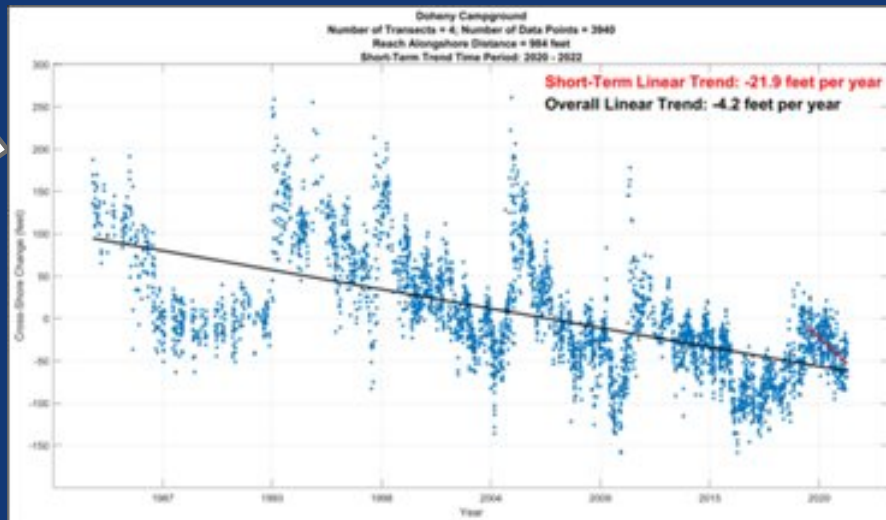
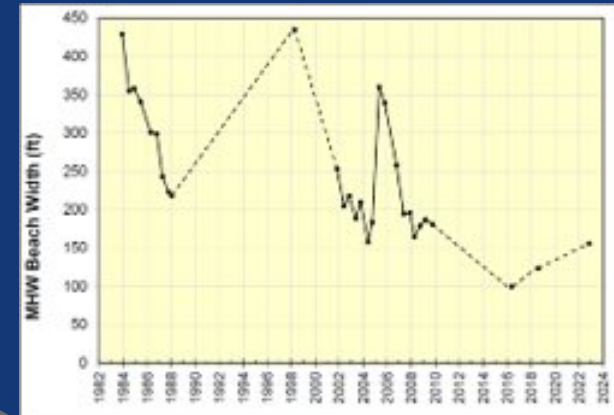
CAMPGROUND VULNERABILITY
ASSESSMENT & ADAPTATION PLAN

Doheny State Beach



VULNERABILITY ASSESSMENT: EROSION HAZARD

Source	Observation Coverage	Approximate Time Period	Average Shoreline Change (ft/year)
CoastSat	1984-2022	50 years	-4.2
	2020-2022	2 years	-21.9
Coastal Frontiers Corp.	1982-2022	40 years	-6.9
Coastal Environments	1939-2012*	73 years	+0.7
UC Irvine	2020-2022	2 years	*negative trend"



COASTAL FLOODING HAZARD

-WAVE RUNUP WITH 1.8 FT OF FUTURE SLR BUT NO FUTURE EROSION



COASTAL FLOODING HAZARD

-WAVE RUNUP WITH 3.3 FT OF FUTURE SLR BUT NO FUTURE EROSION



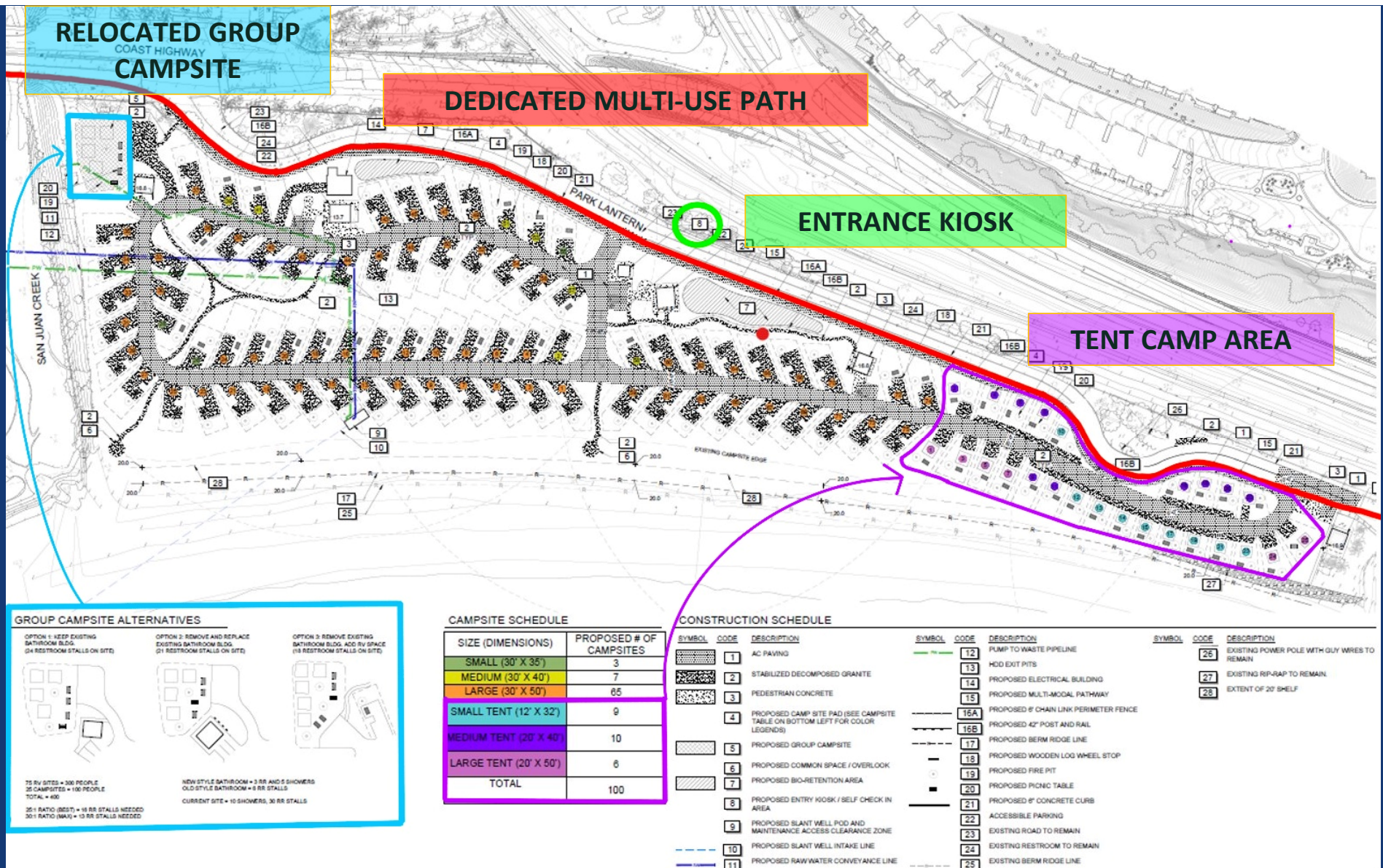
VA Plan Recommendations for SLR Adaptation

- ✓ Raise campground elevation by a minimum of 4 feet (~20 ft NAVD88)
- ✓ Shift campground inland where feasible
 - *Elongate layout and relocate seaward campsites ~60 ft inland from the coastal hazards*
- ✓ Improve drainage and site grading
 - *Regrade site to direct runoff away from campsites and reduce ponding-prone areas*
- ✓ Address existing and future overtopping risks
 - *Respond to modeled horizontal wave overtopping extending inland across campground under SLR scenarios & 100-year extreme water levels and wave events*

03



Current
Campground Design



Slide 24

PR1

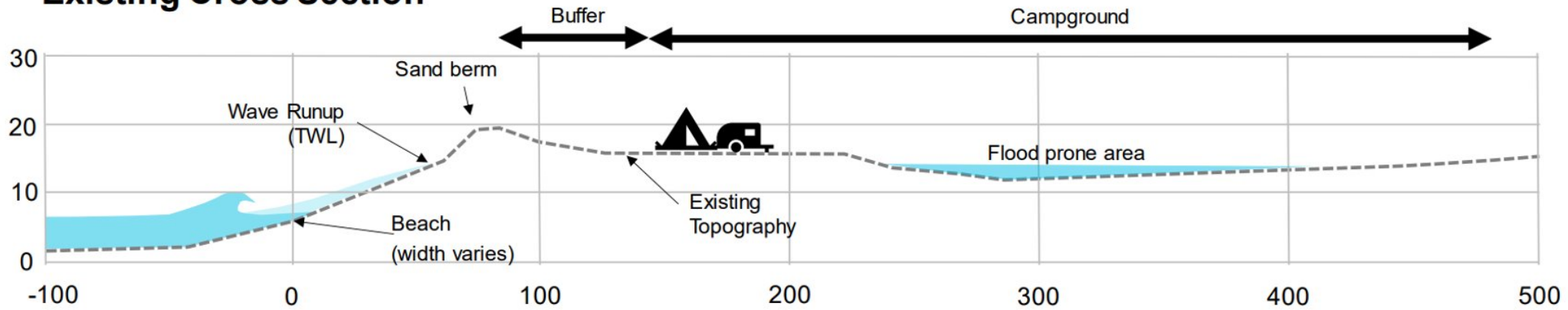
Eliza, can you use some arrows/circles/highlighter to highlight specific changes. TO include: dedicated multi-use path, relocated group campsite, entrance kiosk tent camp area.

Pratt, Riley@Parks, 2026-04-15T15:17:20.447

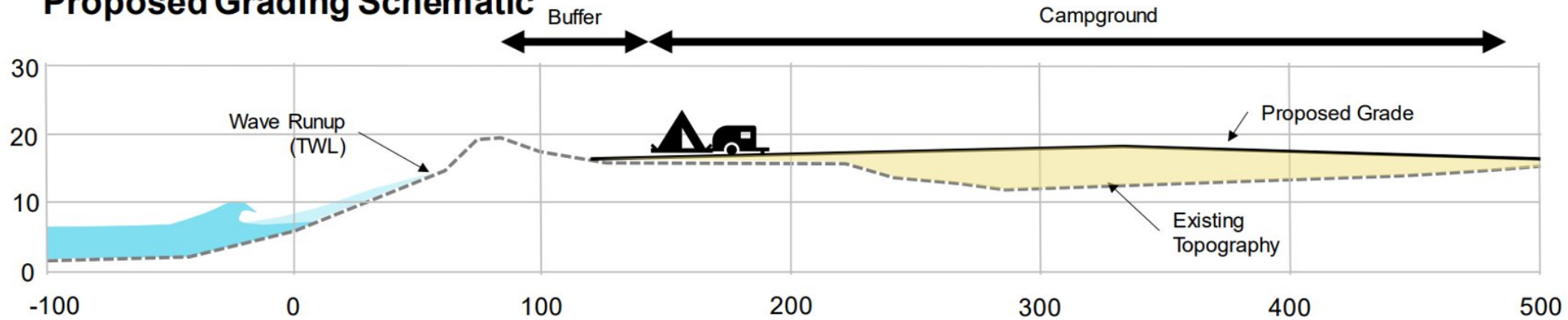
Shoreline Positioning

Proposed grading figure will be updated to show 20 feet of elevation with retreat of 60 feet.

Existing Cross Section



Proposed Grading Schematic



04



Estimated
Project Timeline

Approximate Timeline



05



Adjacent Project
Coordination

DOHENY STATE BEACH PROJECT(S) OVERVIEW



Campground & Desal Project

- SLR Vulnerability Assessment & campground redesign in progress
- Seeking implementation funds w/ SCWD (\$25M Project)
- \$5-7M matching funds to date from SCWD

Capo-DSB Nature-Based Coastal Resilience Project

- Partnership project w/ OC Parks
- Living shoreline/cobble berm design
- Wave 1 funded (\$125,000)

South Day Use Redesign & Engineering Plans

- Builds off 2018 shoreline hazard plan
- Managed retreat + beach nourishment, coastal trail
- Wave 2 funding (\$250,000)

06



Next Steps

Next Steps

- ❑ Public engagement event **6-7:30 on April 28th**
(Dana Cove Room - OC Sailing and Events Center)
- ❑ Refine concepts based on public and partner input
- ❑ Advance preliminary design (60% → 90%)
- ❑ Continue environmental review and permitting
- ❑ Coordinate funding and implementation phasing

QUESTIONS?



DOHENY CAMPGROUND COMMUNITY MEETING

TUESDAY, APRIL 28, 2026

6:00-7:30 PM

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DANA COVE ROOM**

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as the project moves into its
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💧 **Presentation and Q&A:**
Learn about project scope
and benefits. Have
questions answered from
the project team.

💧 **Provide feedback on
planned improvements:**
Public safety and access,
campground amenities, and
sea level rise adaptation.

💧 **Doheny Ocean Desalination
Project presentation by South
Coast Water District:**
Overview of planned
improvements, scope, and
community benefits

No RSVP required.

For more information
Eliza.Atwood@parks.ca.gov



**DOHENY OCEAN
DESALINATION
PROJECT**
Local Water, Local Control.
Sponsored by South Coast Water District



In partnership with:

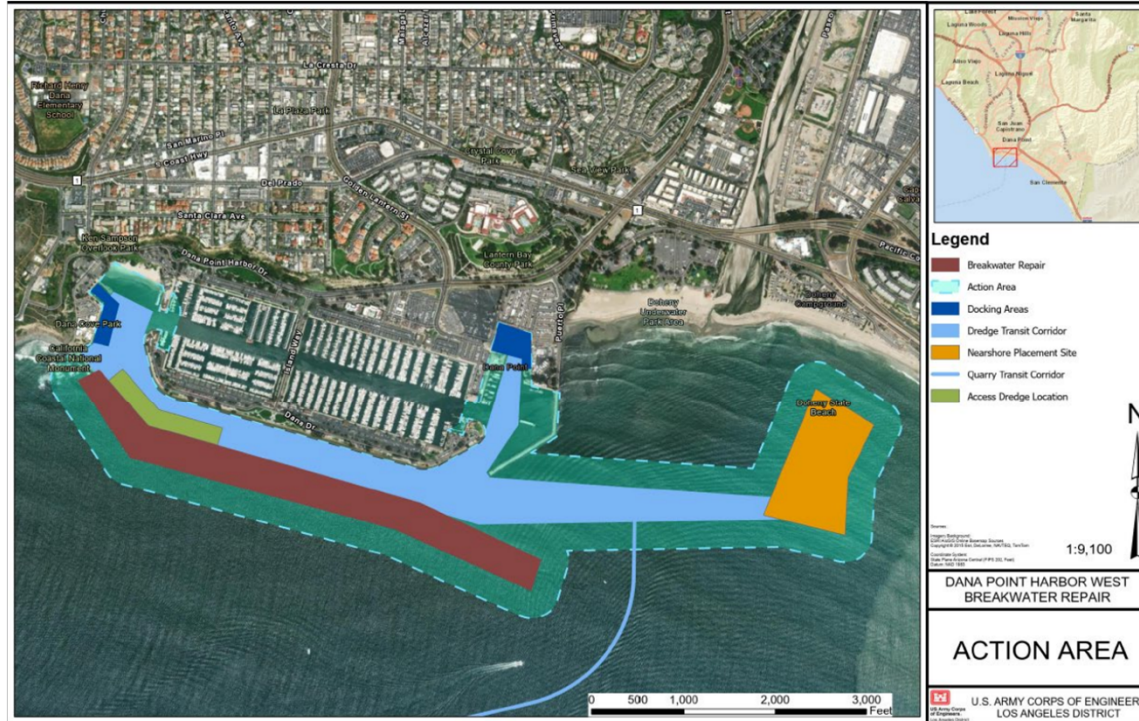
**SOUTH COAST
WATER DISTRICT**
Partnering With The Community

5.B. South Orange County Beach Maintenance Index

South Orange County Beach Coalition



USACE Breakwater Repair



South Orange County Beach Coalition



Regional Beach Sand Project III (RBSP III)

- Doheny State Beach
- Capistrano County Beach
- 500k CY



South Orange County Beach Coalition



Capistrano-Doheny Nature-Based Shoreline Adaptation Project

- Doheny State Beach
- Capistrano County Beach
- Up to 37k CY cobble
- Up to 107k CY sand

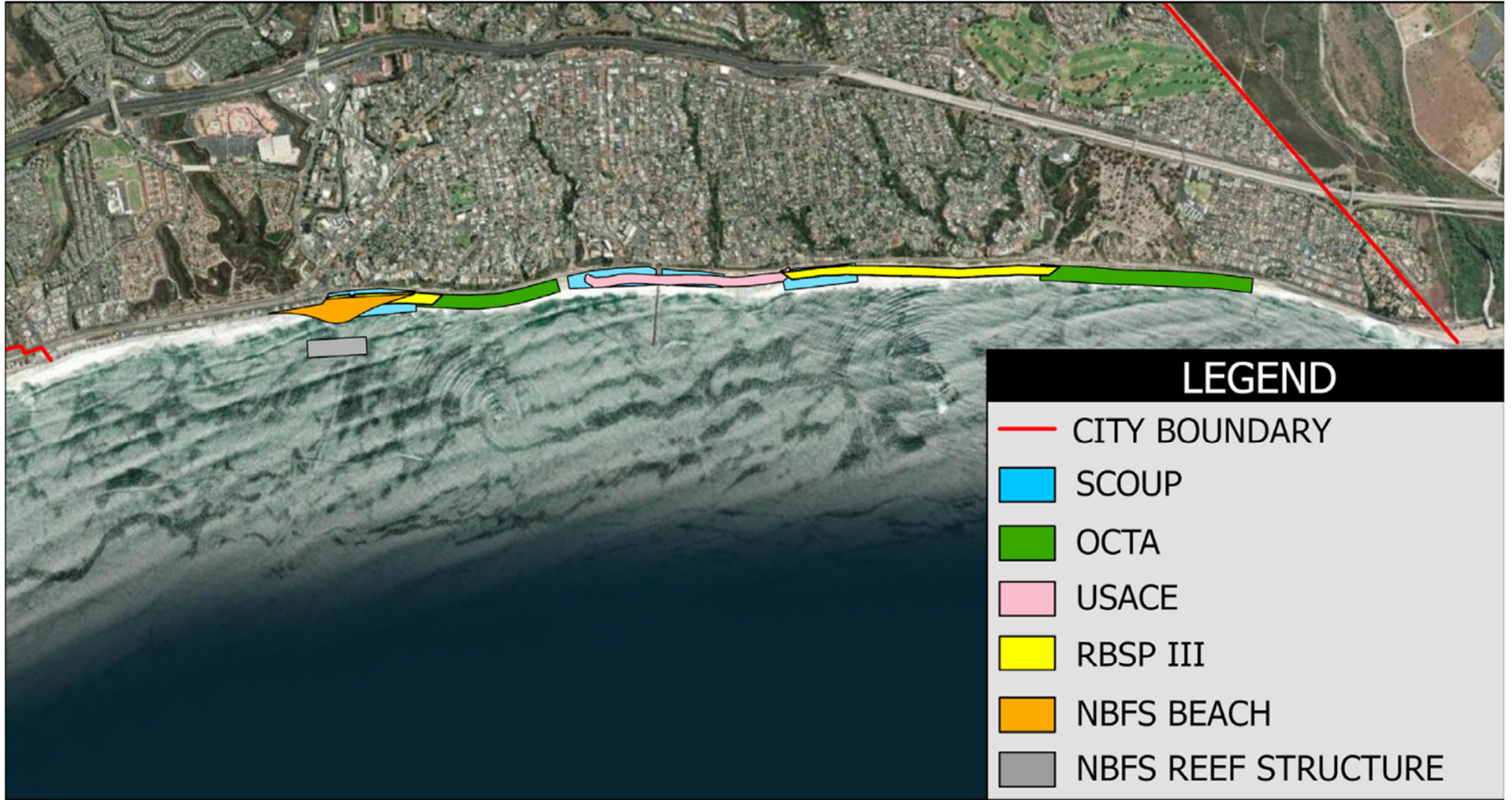


South Orange County Beach Coalition



SAN CLEMENTE BEACH NOURISHMENT PROJECTS

8-Apr-26	SAN CLEMENTE BEACH NOURISHMENT AND RESILIENCE PROJECTS									
Number	Project	Sand Placement Sites	Proposed Volume(s) (cubic yards)		Current Status	Potential Construction Timeline	Potential Maximum Volume (cubic yards)		Number	
1	Nature-Based Feasibility Study	North Beach	600,000		In Conceptual Design	2030-2035	600,000			
2	Sand Compatibility and Opportunistic Use Program	North Beach	125,000	Annually	Awaiting Funding	2025-203 (ten-year permit life)	1,250,000			
		Linda Lane	75,000	Annually	Awaiting Funding		750,000			
		T-Street North	45,000	Annually	Awaiting Funding		450,000			
		T-Street South	55,000	Annually	Awaiting Funding		550,000			
3	Orange County Transportation Authority	Mariposa Point	240,000	Once	Awaiting Funding	2027-2028	240,000			
		State Beach	300,000	Once	In Permitting Stage	2027-2028	300,000			
4	U.S. Army Corps of Engineers	Pier Bowl/T Street	200,000-251,000		First Placement complete;	2023/2024	200,000		1	
					Renourishment every 5-6 years	2029-2073	2,059,000		9	
					Awaiting Funding					
5	San Diego Regional Beach Sand Project	North Beach	250,000		In Conceptual Design	2030-2035	250,000			
		San Clemente State Beach	800,000		In Conceptual Design	2030-2035	800,000			
TOTAL QUANTITY										
							7,449,000			



SAN CLEMENTE BEACH NOURISHMENT

0 1,250 2,500 5,000 Feet





Project Name: Sand Compatibility and Opportunistic Use Program
Current Status: Approved and Permitted
Potential Construction Timeline: 2025-2035 (Ten-Year Permit Life)
Proposed Volume: 125,000 c.y. (Annually)
Maximum Volume: 1,250,000 c.y.

Legend

- SCOUP FOOTPRINT
- ROADS

SCOUP NORTH BEACH RECEIVER SITE

04.07.2026 | SAN CLEMENTE BEACH NOURISHMENT





SCOUP LINDA LANE RECEIVER SITE

04.07.2026

SAN CLEMENTE BEACH NOURISHMENT





SCOUP T-STREET NORTH RECEIVER SITE

04.07.2026

SAN CLEMENTE BEACH NOURISHMENT

1 INCH = 250 FEET





SCOUP T-STREET SOUTH RECEIVER SITE

04.07.2026

SAN CLEMENTE BEACH NOURISHMENT

1 INCH = 250 FEET





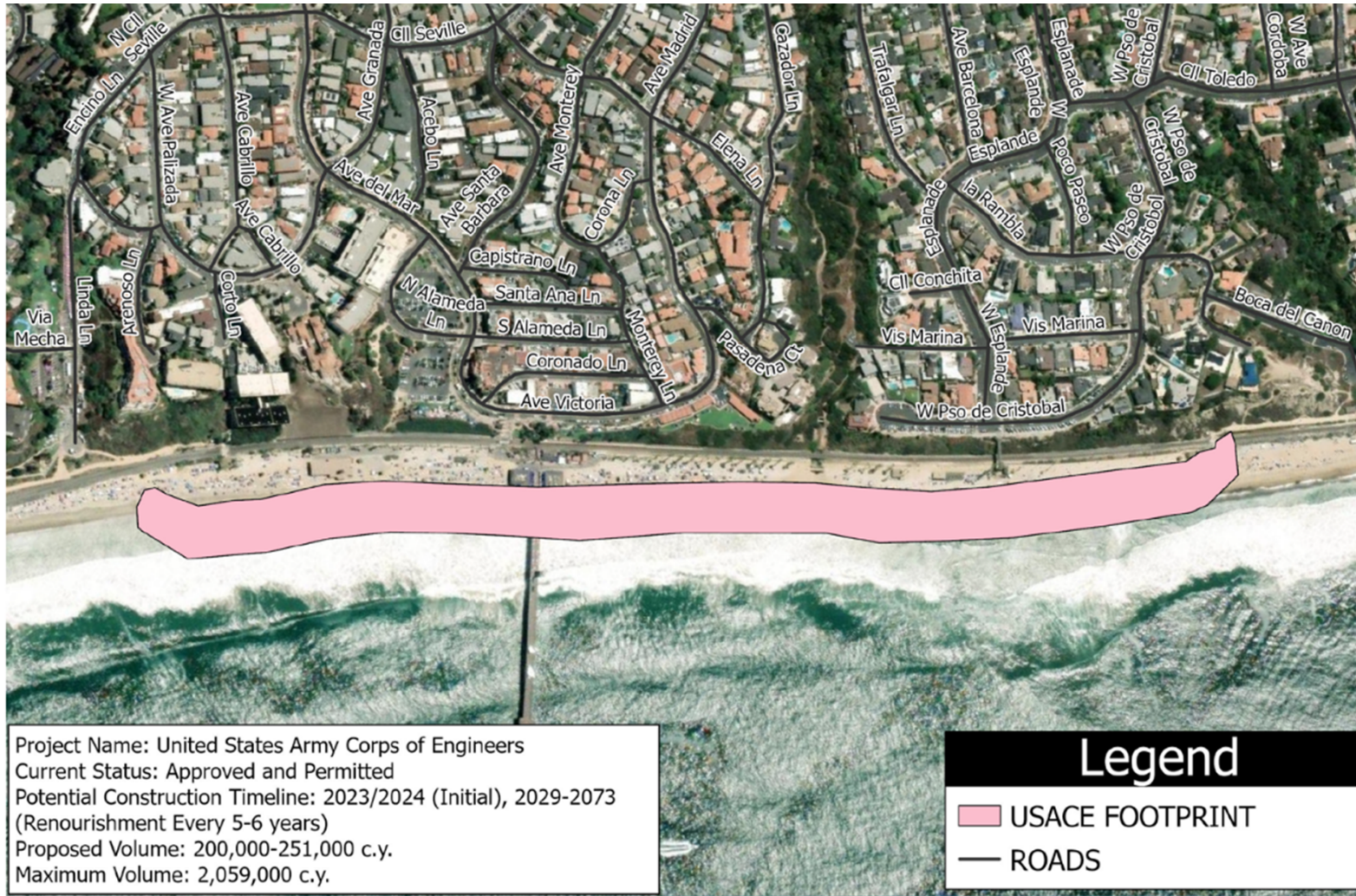
OCTA STATE BEACH RECEIVER SITE

04.07.2026

SAN CLEMENTE BEACH NOURISHMENT

1 INCH = 400 FEET
0 250 500 1,000 FT





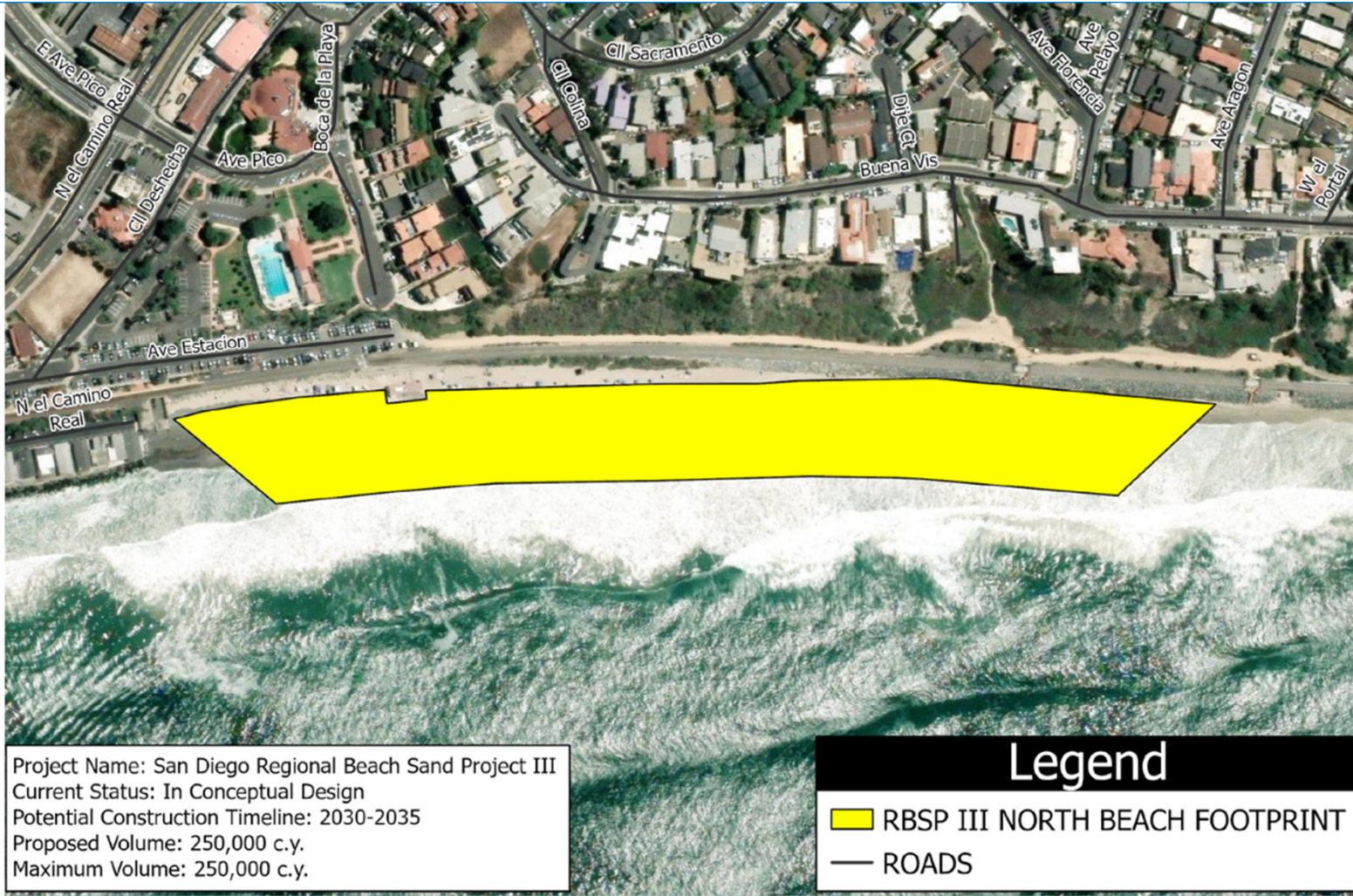
USACE RECEIVER SITE

04.07.2026

SAN CLEMENTE BEACH NOURISHMENT

1 INCH = 400 FEET
 0 250 500 1,000 FT





RBSP III NORTH BEACH RECEIVER SITE

04.07.2026

SAN CLEMENTE BEACH NOURISHMENT

1 INCH = 250 FEET
0 250 500 1,000 FT



Draft Beach Maintenance Index: Sand Nourishment

Beach (North to South)	Fall 2025 Beach Width Relative to Historical Range*	Need (per draft OC SCOUP) **	Historical Sand Nourishment Projects (since 2016)	% of Goal Per Decade Already Placed	Planned/ Ongoing Sand Nourishment Projects	TOTAL Planned Volume	% of Goal Volume per Decade (Planned)	Draft OC SCOUP Maximum Fill Extent (Over Multiple Events) **	Goal Beach Width/Volum e (CY Per Decade)	Future Retention Projects	Future Shoreline Protection Projects	Future Managed Retreat Projects	San Clemente SCOUP
Baby Beach	Average***	LOW	2016 (8,000 CY)	80%	None	N/A	0%	10,000 CY	10,000	N/A	N/A	N/A	N/A
Doheny State Beach	Near Historical Minimum	HIGH	2023 (25,000 CY)		45k-62k CY (nearshore) USACE Breakwater Repair Project, 35k CY Nature-Based Shoreline & SANDAG RBSP III (450k CY)	530,000		300,000 CY		OC Parks/CA State Parks Capistrano- Doheny Nature- Based Shoreline	N/A	Doheny Campground and Doheny Parking Area Projects	N/A
Capistrano Beach Park	Near Historical Minimum	HIGH	2024 (20,000 CY) 2023 (20,000 CY) 2016 (65,000 CY- nearshore)		13.5k CY planned for spring 2026, 35k CY Nature-Based Shoreline & SANDAG RBSP III (50k CY)	98,500		150,000 CY		OC Parks/CA State Parks Capistrano- Doheny Nature- Based Shoreline	N/A	N/A	N/A
Capistrano Bay District	Near Historical Minimum	Not Included	None	0%	None	N/A	0%	N/A		N/A	N/A	N/A	N/A
Poche Beach	Near Historical Minimum	HIGH	None	0%	None	N/A	0%	1,000 CY		N/A	N/A	N/A	N/A
Shorecliffs Beach Club	Near Historical Minimum	Not Included	None	0%	None	N/A	0%	N/A		N/A	N/A	N/A	N/A
Capistrano Shores	Near Historical Minimum	HIGH	None	0%	None	N/A	0%	300,000 CY		N/A	N/A	N/A	N/A
North Beach	Average	HIGH	2025 (2.5k CY) 2024 (37k CY) 2016 (12k CY) 2005 (5k CY)		OCTA nourishment (240k CY) & RBSP III (250k CY)	490,000		150,000 CY		City of SC Nature- Based Coastal Resiliency Project - Off-Shore Pilot Project	N/A	N/A	125k CY

Draft Beach Maintenance Index: Sand Nourishment

Beach (North to South)	Fall 2025 Beach Width Relative to Historical Range*	Need (per draft OC SCoup) **	Historical Sand Nourishment Projects (since 2016)	% of Goal Per Decade Already Placed	Planned/ Ongoing Sand Nourishment Projects	TOTAL Planned Volume	% of Goal Volume per Decade (Planned)	Draft OC SCoup Maximum Fill Extent (Over Multiple Events) **	Goal Beach Width/Volum e (CY Per Decade)	Future Retention Projects	Future Shoreline Protection Projects	Future Managed Retreat Projects	San Clemente SCoup
Djie (Marisposa Point)	Near Historical Minimum	HIGH	None	0%						N/A		N/A	N/A
Linda Lane **	Average	HIGH	2023/2024 (196k CY)		USACE 50-Yr Project (2 million over 50 years, in 6 year increments)	496,664		300,000 CY		N/A	N/A	N/A	75k CY
San Clemente Pier **	Above Average	HIGH								N/A	N/A	N/A	N/A
TStreet/Boca Del Canon **	Above Average	HIGH								N/A	N/A	N/A	105k CY
San Clemente State Beach	Above Average	MEDIUM	None	0%	OCTA nourishment (300k CY) & RBSP III (500k CY- 800k CY)	650,000- 950,000		300,000 CY		N/A	OCTA, Area 4 Shoreline Protection (Revetment, Seawall, Etc.)	N/A	N/A
Cyprus Shore/ Cottons	Near Historical Minimum	HIGH	None	0%	OCTA nourishment (150k CY)	150,000		300,000 CY		N/A		N/A	N/A
San Onofre - Trestles	N/A	N/A	None	0%	None	N/A	0%	N/A		Surfrider Nature- Based Shoreline Project		San Onofre Managed Retreat	N/A

Footnotes

Footnotes:

*Based on Coastal Frontiers Shoreline Monitoring Program of Historical Beach Width for the City of San Clemente.

Legend:

Beach Width Relative to Historical Range
Near Historical Minimum
Average
Above Average

** OC SCoup Need is based on analysis provided within the document with a variety of sources listed in Section 10.0 (References) and generally analyzes storm surge, existing beach width, and usage factors. SCoup Volumes are based on draft OC SCoup dated June of 2025. San Clemente beaches at Linda Lane, San Clemente Pier, and TStreet/BocaDel Canon have benefited from 251,000 CY of sand nourishment as part of USACE 50-Yr Project since the HIGH need condition was identified in the draft SCoup.

***Anecdotal beach width noted for Baby Beach, not based on Coastal Frontiers transect monitoring.

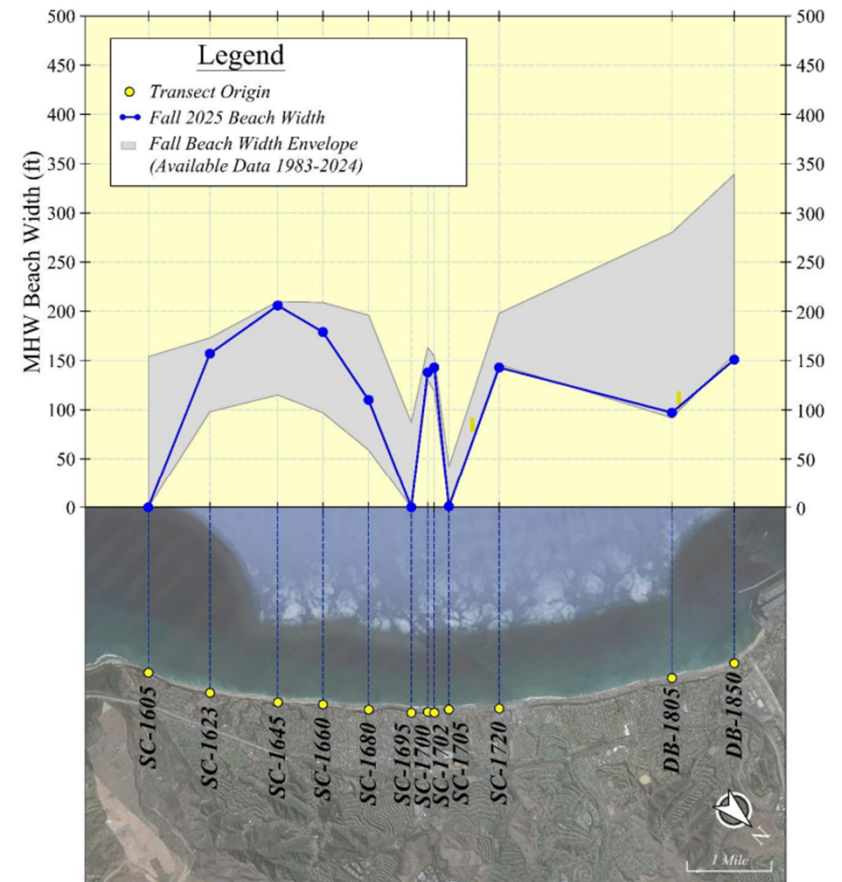


Figure 3. Fall 2025 MHW Beach Widths Relative to 1983-2024 Historical Fall Beach Width Envelope

South Orange County Beach Coalition



VI. Public Participation

South Orange County Beach Coalition



VII. Executive Officer Comments

South Orange County Beach Coalition





Beach Coalition Logos – Version 2

Color variations



B&W



South Orange County Beach Coalition



Beach Coalition Logos – Version 3

Color variations



B&W



South Orange County Beach Coalition



Beach Coalition Logos – Version 4

Color variations



B&W



South Orange County Beach Coalition



VIII. Coalition Member Comments and Report

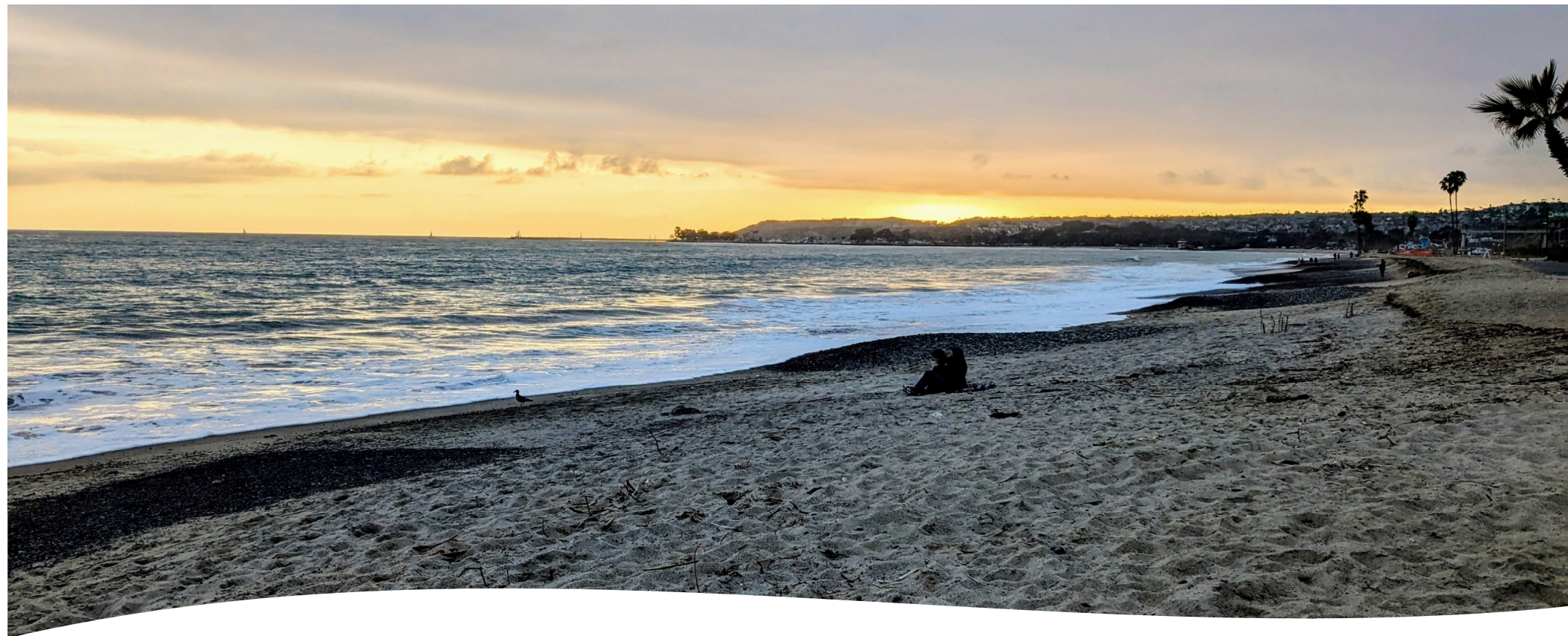
South Orange County Beach Coalition



IX. Adjournment

South Orange County Beach Coalition



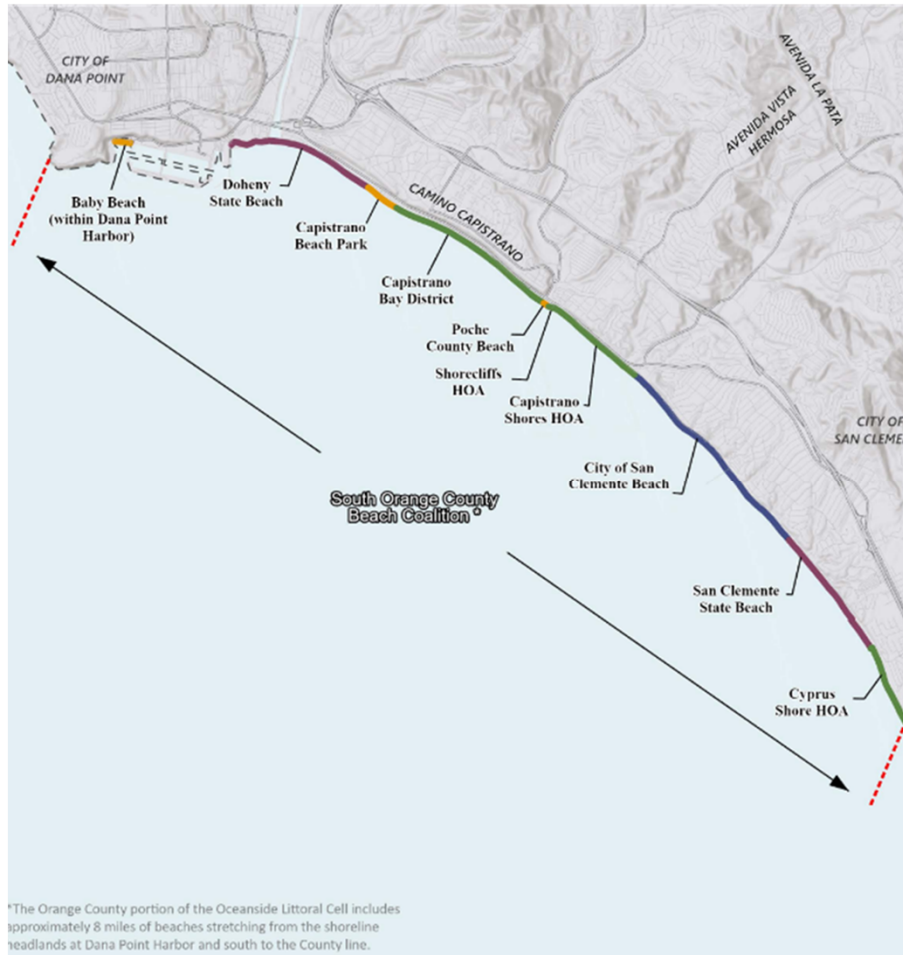


Thank you!

SouthCoastalResilience@ocparks.com

South Orange County Beach Coalition





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

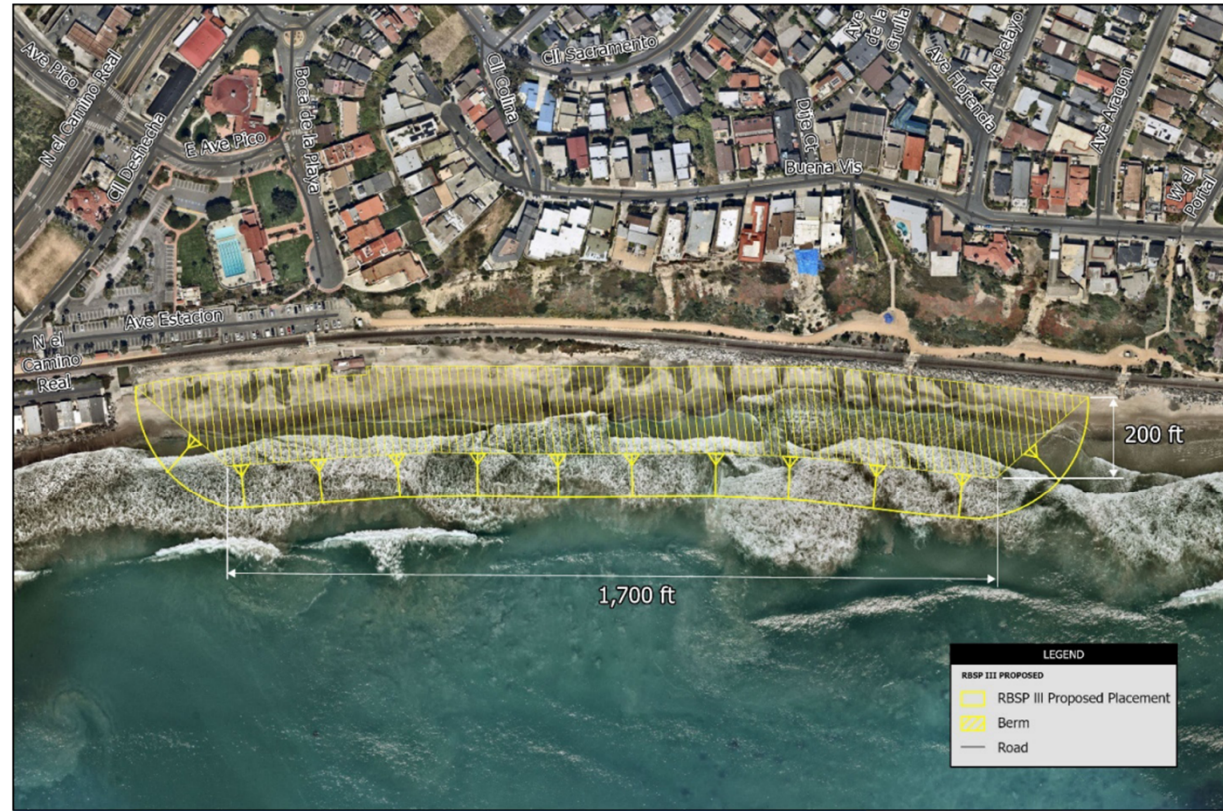
- A. Increase collaboration across jurisdictions, agencies, and stakeholders for
- B. Identify green, grey, and hybrid solutions to replenish and retain sand and minimize coastal erosion. while preserving, reestablishing, and enhancing the natural coastal habitat where possible.
- C. Support regional 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.

Regional Beach Sand Project III (RBSP III)

- North Beach
- 250k CY



NORTH BEACH RECEIVER SITE BEACH FILL VOLUME = 250,000 C.Y.

SANDAG

07.19.2024

REGIONAL BEACH SAND PROJECT III

Notes: Base aerial is from January 2024 and does not directly represent the current beach-width condition.

Figure 6-8. San Clemente North Beach Receiver Site

South Orange County Beach Coalition



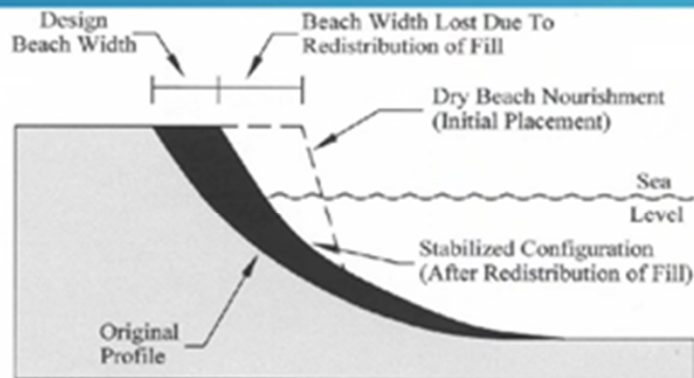
- San Clemente State Beach (Scenario 1 & 2)
- 500-800k CY



Estimate Volume Requirements

Simple Volume Estimate

- Grain size is compatible
- Pre- and Post-Nourishment profiles have same shape
- Profile reaches equilibrium immediately



$$V = \Delta y (h_* + B) L$$

where V = Volume
 Δy = Beach Width Change
 h_* = Depth of Closure
 B = Berm Height
 L = Length of Fill

(Dean, 2002)

Reach	Shoreline Length	Nourishment Volume Required to Yield 50 ft Beach Width Increase	
		Volume per Foot of Shoreline	Total Volume
Oceanside	16,500 ft	69 cy/ft	1,139,000 cy
North Carlsbad	9,000 ft	54 cy/ft	432,000 cy
South Carlsbad	20,500 ft	41 cy/ft	841,000 cy
Leucadia/Encinitas	20,000 ft	80 cy/ft	1,600,000 cy
Cardiff	6,000 ft	74 cy/ft	444,000 cy
Solana Beach	6,500 ft	48 cy/ft	312,000 cy
Del Mar	12,000 ft	74 cy/ft	888,000 cy
La Jolla	7,500 ft	52 cy/ft	390,000 cy
Mission Beach	18,500 ft	72 cy/ft	1,332,000 cy
Imperial Beach	6,000 ft	74 cy/ft	444,000 cy

South Orange County Beach Coalition



Example of Sand Nourishment Intervals

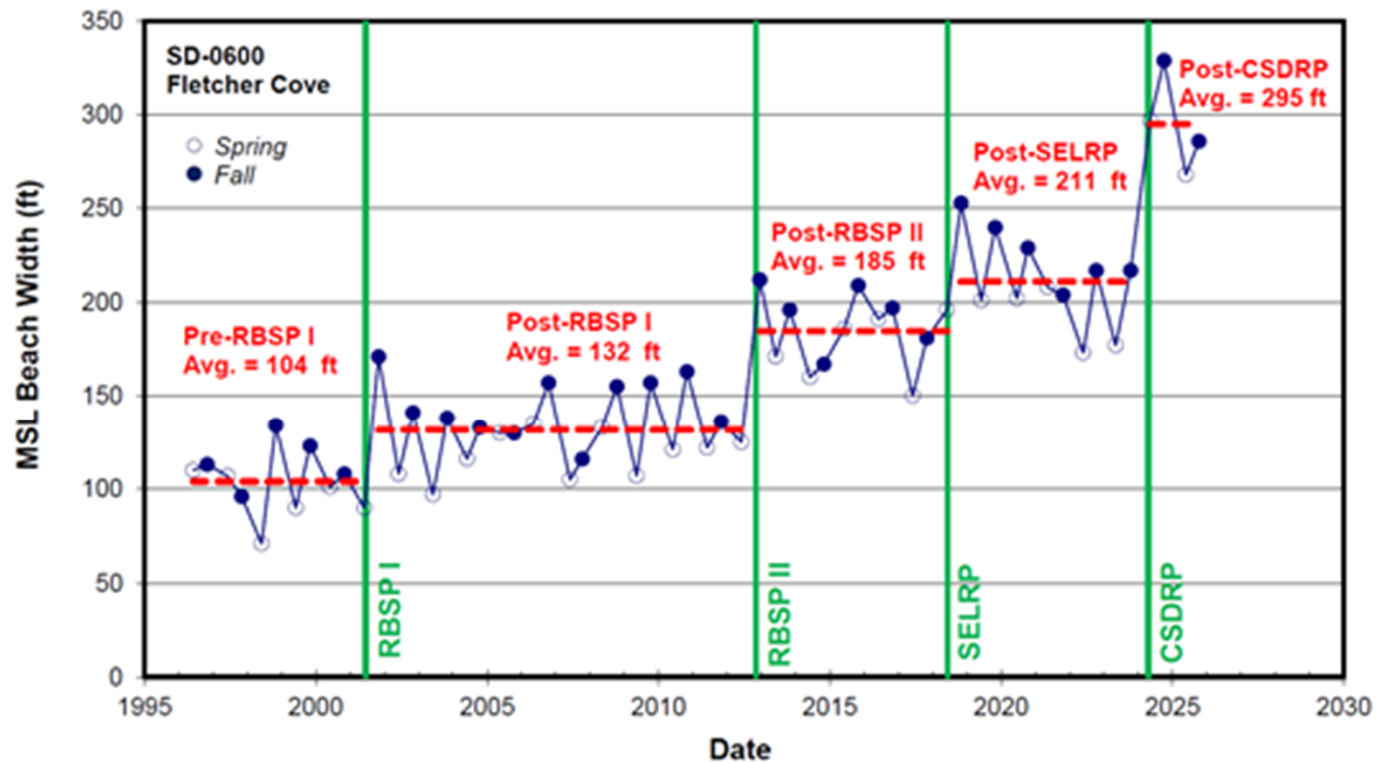
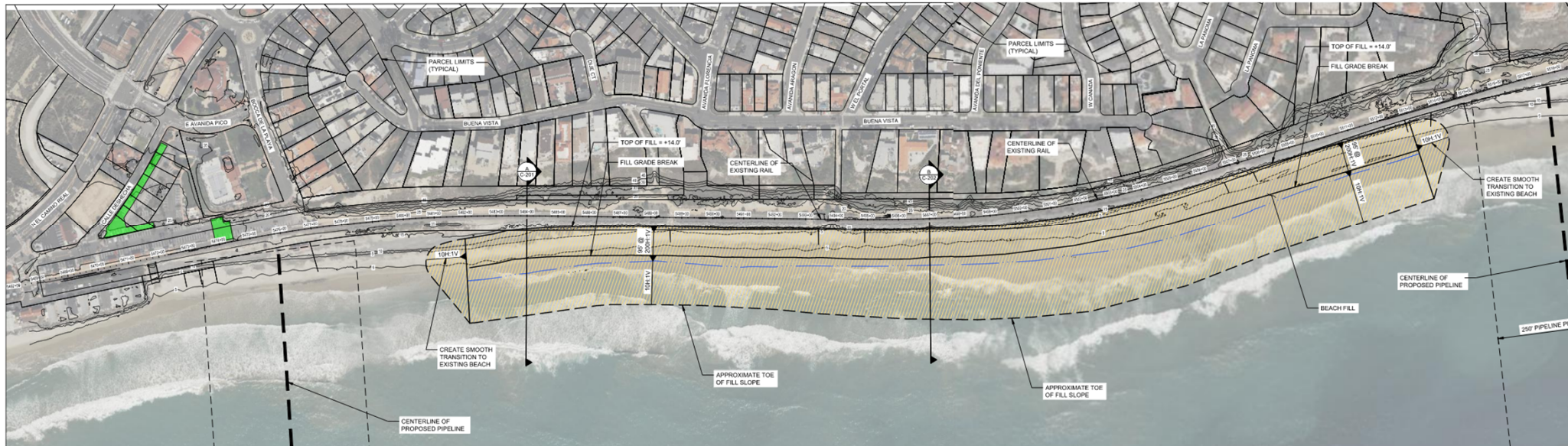


Figure 6. Fletcher Cove Beach Widths (1996 through 2025)

OCTA Nourishment - Areas 1 & 2

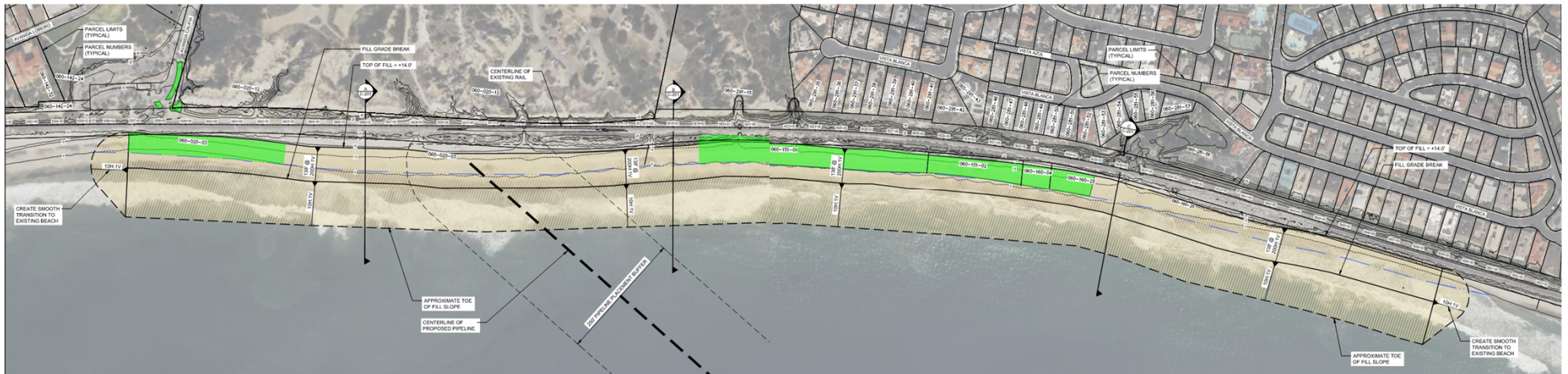


- North Beach, Mariposa Point
- 250k CY

South Orange County Beach Coalition



OCTA Nourishment – Area 4



- San Clemente State Beach
- 300k CY

South Orange County Beach Coalition



USACE 50-Year Project



- City of San Clemente: Linda Lane through TStreet/Boca Del Canon
- 2M CY of sediment through 2073 (placed every 6 years)

South Orange County Beach Coalition



City of San Clemente: Nature-Based Coastal Resiliency Project

- North Beach
- Off-shore pilot project



Figure 3-1: Conceptual Schematic for North Beach Multi-Benefit Emergent Breakwater

South Orange County Beach Coalition



RBSPIII Support Letter



SOUTH ORANGE COUNTY BEACH COALITION

Katrina Foley
Chair
District 5, Board of
Supervisors

Andy Hall
Member
City of San Clemente

Donal Russell
Member
Capistrano Bay District

March 13, 2026

The Honorable Mike Levin
United States House of Representatives
2352 Rayburn House Office Building
Washington, D.C. 20515

Re: FY2027 Community Project Funding Request — San Diego Regional
Beach Sand and Nearshore Habitat Studies



SOUTH ORANGE COUNTY BEACH COALITION

Respectfully,

Katrina Foley
Chairwoman, South Orange County Beach Coalition
5th District Supervisor, County of Orange

South Orange County Beach Coalition



Agenda (Example)



AGENDA

SOUTH ORANGE COUNTY BEACH COALITION

WEDNESDAY, APRIL 15, 2026, 4:00 p.m.

OC SAILING AND EVENTS CENTER

33451 Ensenada Place, 2nd Floor - Pilot House
Dana Point, CA 92629

SUPERVISOR KATRINA FOLEY
Chair



AGENDA

SOUTH ORANGE COUNTY BEACH COALITION

In compliance with the Americans with Disabilities Act, those requiring accommodations for this meeting should notify OC Parks 72 hours prior to the meeting at southcoastalresilience@ocparks.com or (949) 923-2218.

All supporting documentation is available for public review at <https://bos5.oc.gov/beach-coalition-updates> under the "Agendas and Minutes" link or by calling 949-923-2218 during regular business hours, 8:00 a.m. – 4:30 p.m., Monday through Friday.

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South Orange County Beach Coalition

