



LOS ANGELES COUNTY

COASTAL RESILIENCE

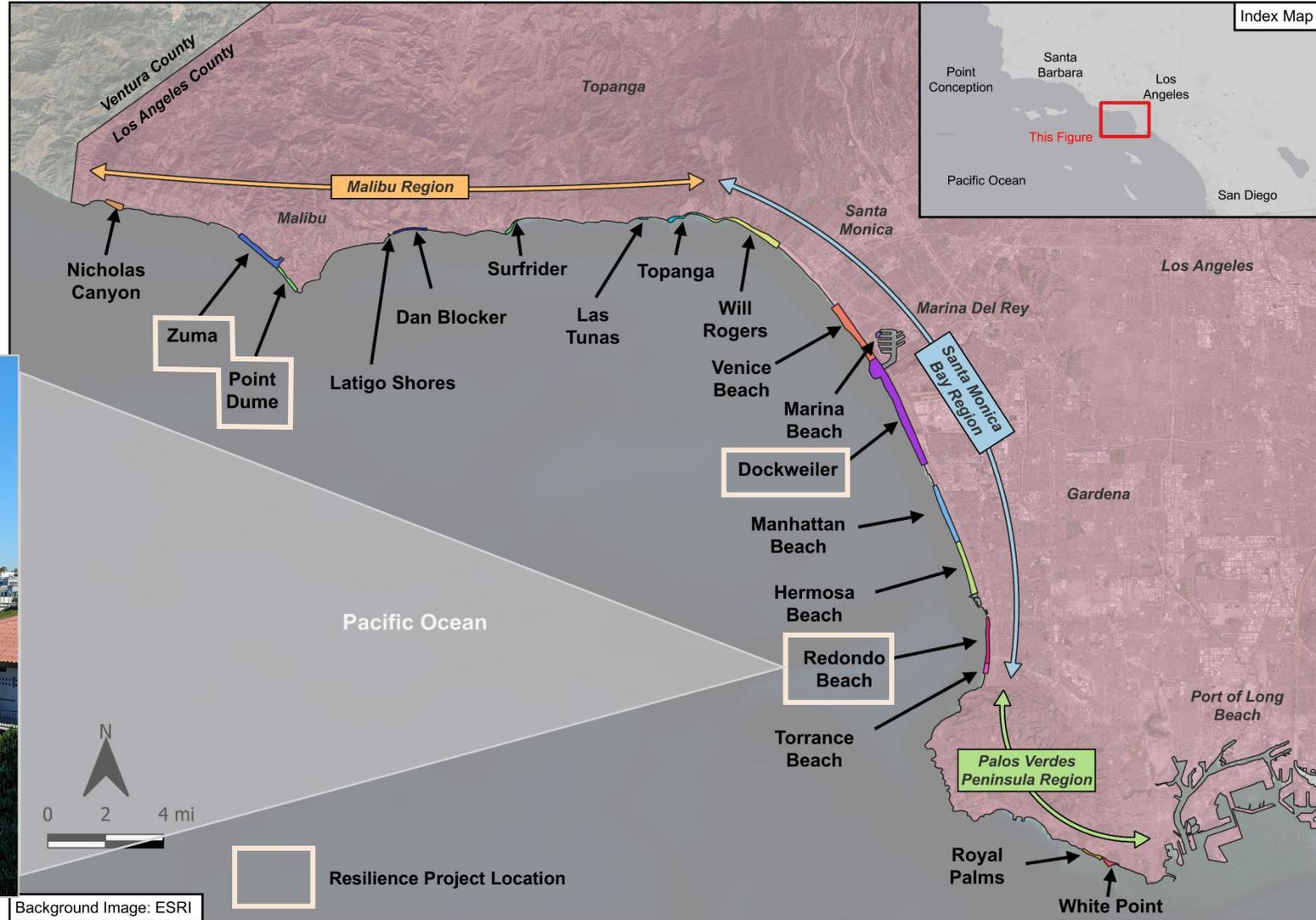
Project Update for City of Redondo Beach Harbor Commission

June 9, 2025

Living Shoreline Demonstration Projects

Purpose

- Increase resilience to present and future coastal hazards
- Preserve and enhance equitable public access to County-owned or maintained beaches



Redondo Beach

Objectives

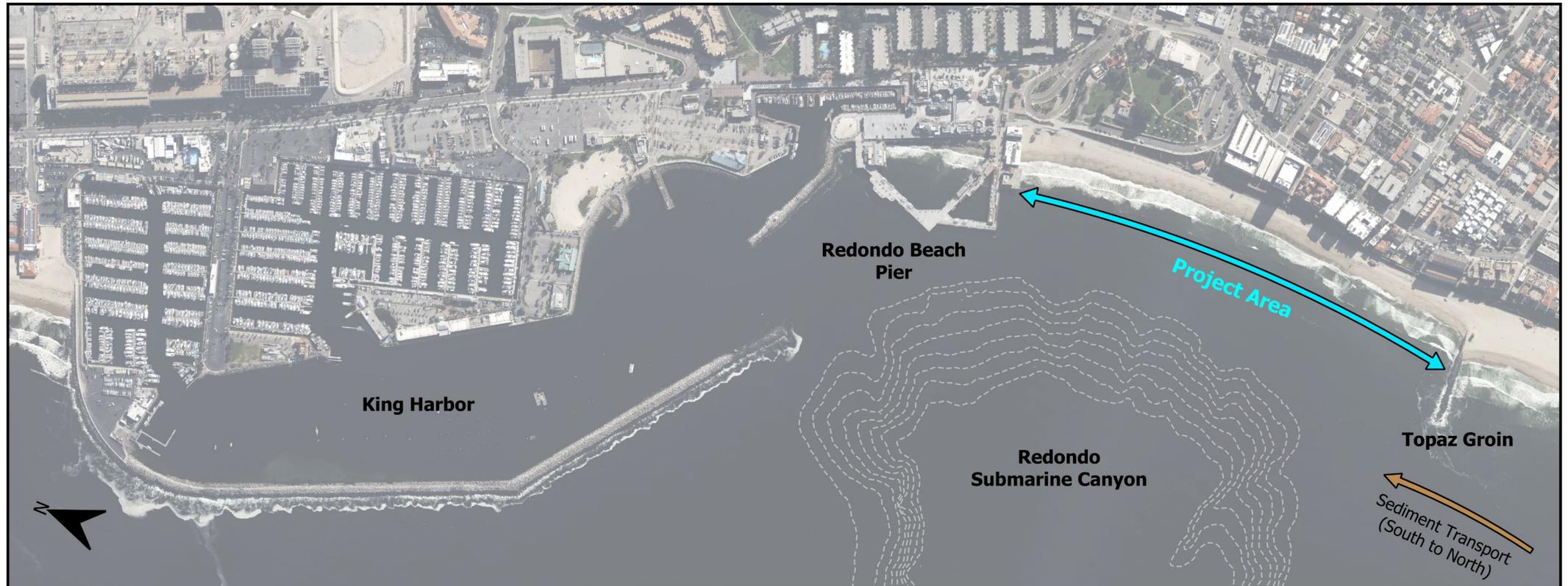
- Expand public access and recreational opportunities
- Increase protection of coastal infrastructure
- Increase and enhance sensitive sandy beach and dune habitat
- Expand local and regional economic benefits

Opportunities

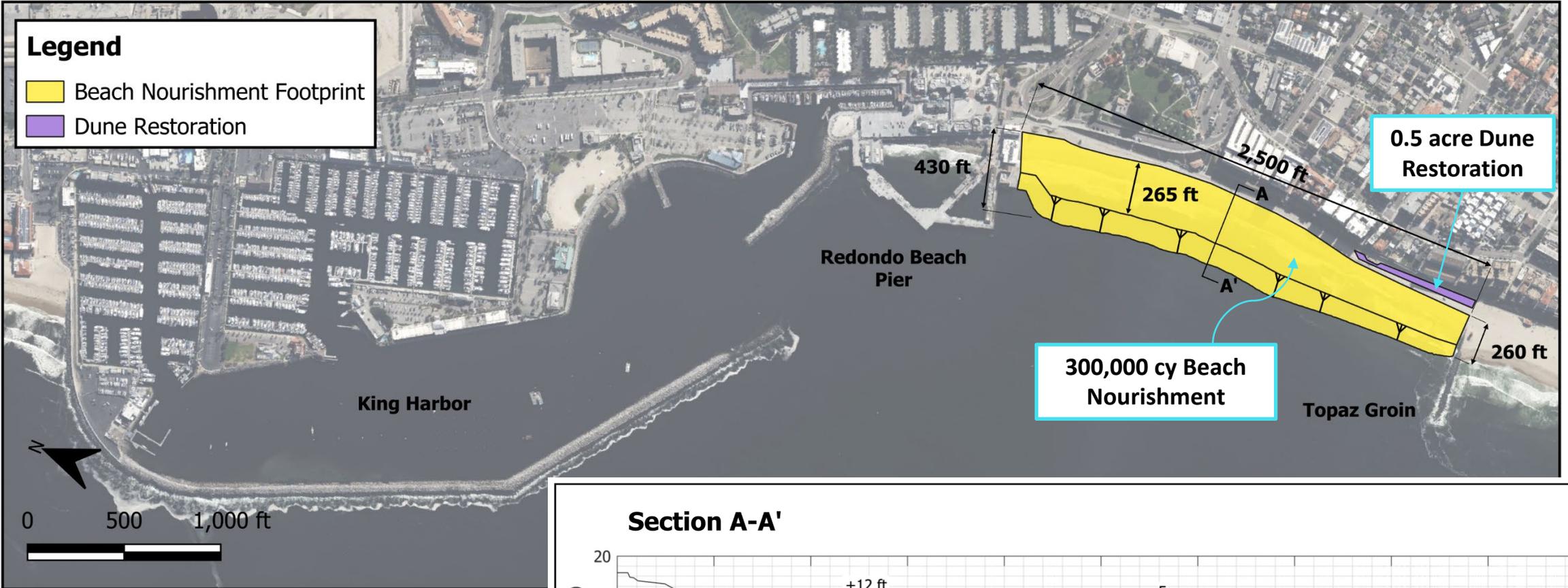
- Prior use as beach nourishment site (USACE)
 - Relatively stable beach following nourishment
- Pier provides possible location for sediment retention

Constraints

- Proximity to Redondo Submarine Canyon

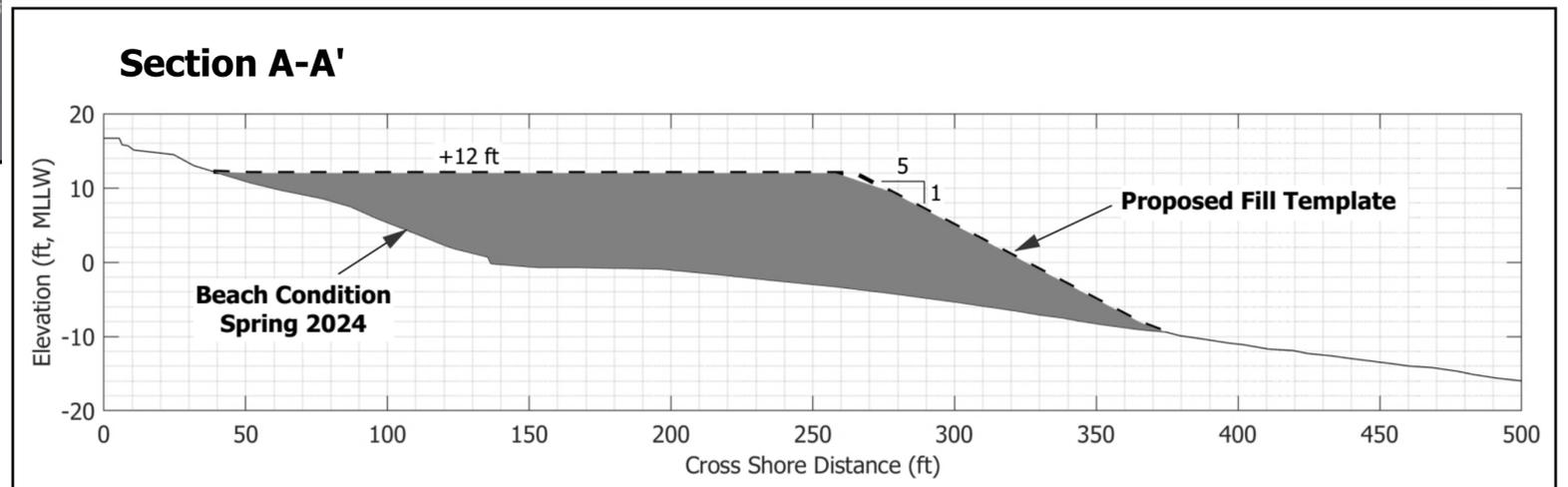


Redondo Beach – Selected Project



Cost-Benefit

- Cost = \$27.2M
- Recreation Benefits = \$202.5M
 - 20-year project life
- **BC Ratio = 7.5**



Next Steps

Phase 1

- Complete Feasibility Study in July 2025

Phase 2

- Preliminary Engineering and Design
 - Detailed Design Drawings
 - Sampling and Analysis Plan for Dockweiler Offshore Borrow Site (potential sand source)
- Environmental Review and Permitting
- Graphic Design, Educational Signage
- Coordinate with Army Corps' Marina del Rey maintenance dredging project to leverage on the beneficial reuse program



County's Coastal Resilience Initiative

FEASIBILITY STUDY

Implement nature-based solutions to coastal erosion at 3 project sites.

Living Shoreline Demonstration Projects

Sand Compatibility and Opportunistic Use Program (SCOUP)

CEQA/PERMITS

Establish 5 pre-approved sites for relatively small beach nourishment projects (up to 150k cubic yards per year) using opportunistically available sand sources, such as those generated from upland land development projects, and flood control maintenance operations. Estimate completion in mid-2026.

LA County Regional Coastal Strategic Adaptation Plan

GRANT EXECUTION IN APRIL 2025; FIRST WORKSHOP IN MAY 2025

Develop a regional coalition of stakeholders and prepare a strategic plan to facilitate implementation of regional shoreline management activities for the Los Angeles County coast.



Thank You!

Emiko Innes

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- DBH Coastal Resilience Webpage
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