

# South Orange County Regional Coastal Resilience Strategic Plan

Draft Plan - March 13, 2024

# Welcome! Thank you for joining us.

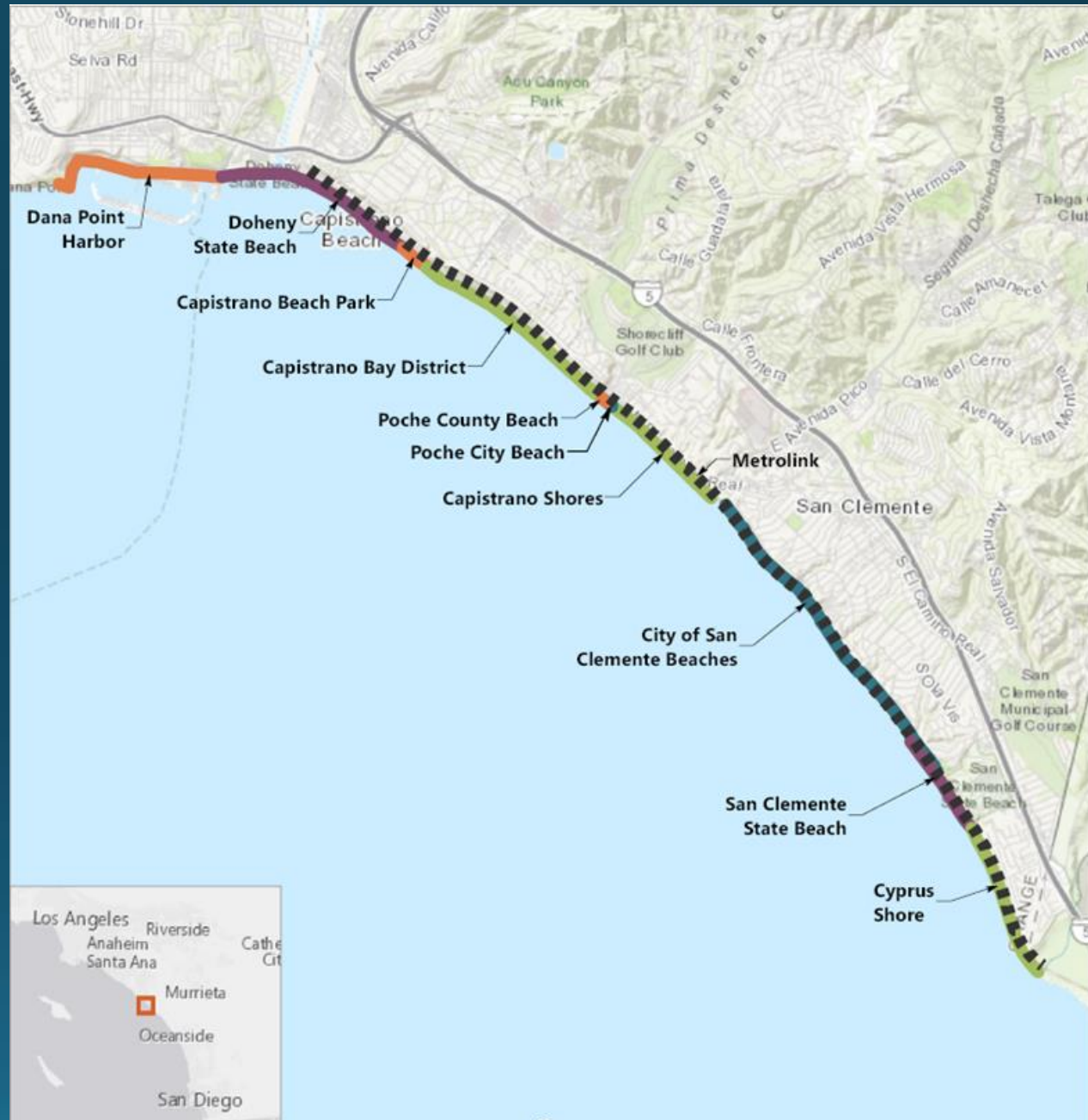






# South Orange County Regional Coastal Resilience Strategic Plan (SOCRCSP)

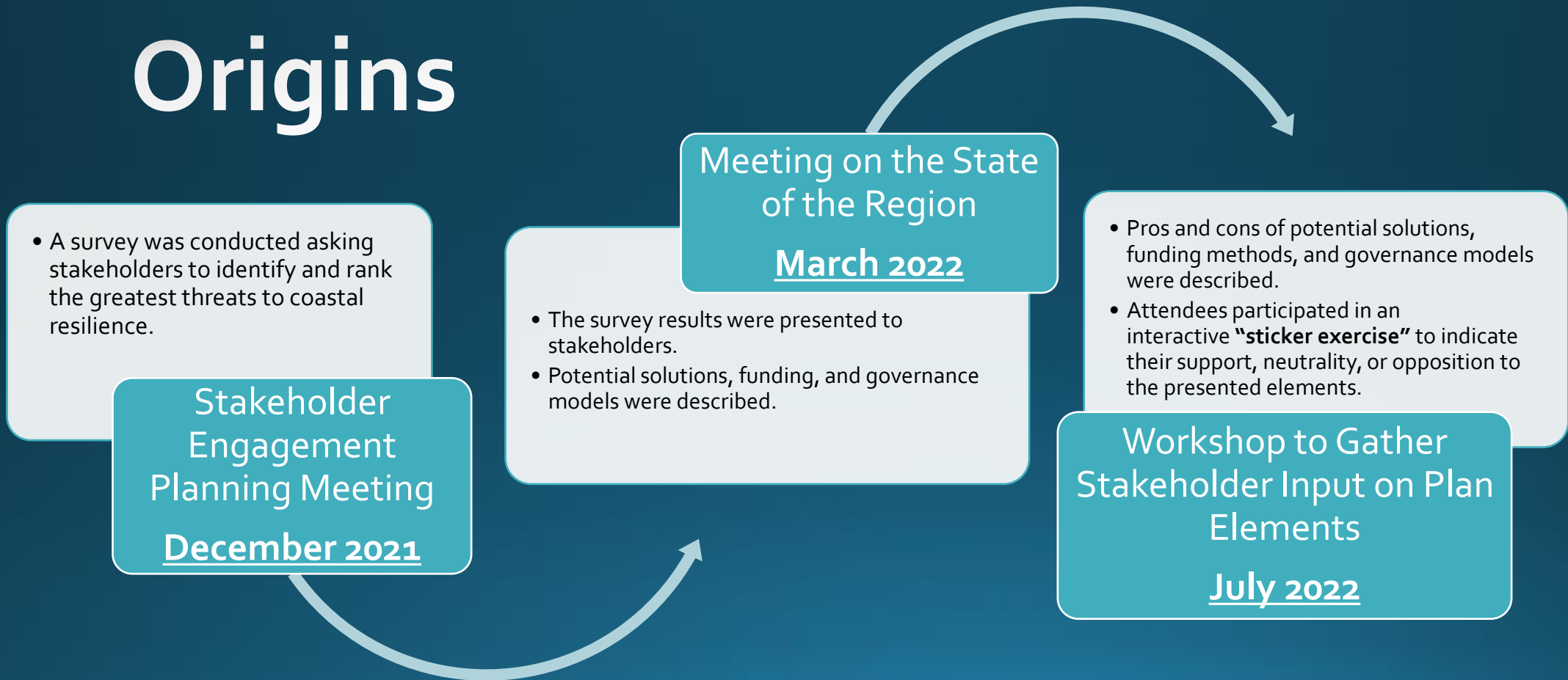
# Vicinity Map



# Strategic Plan Origins

## Ocean Protection Council grant to OC Parks:

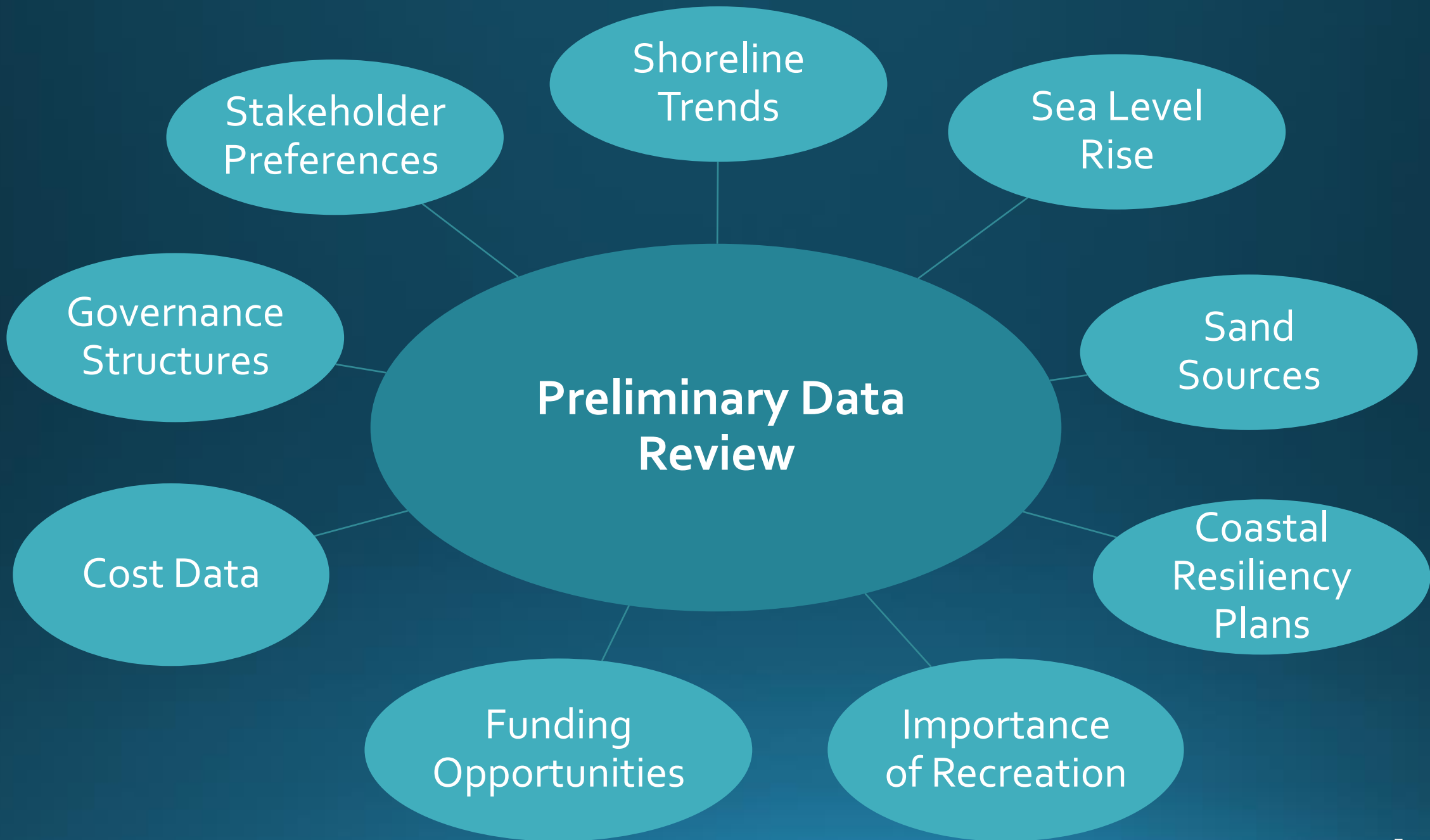
To develop a regional, collaborative strategic plan to facilitate implementation of projects to address coastal erosion in South Orange County.





# Summary of Stakeholder Feedback





# Strategic Plan Chapters





# Plan Appendices



Meeting 1:

December 13, 2021,  
Stakeholder  
Engagement  
Planning Meeting



Meeting 2:

March 24, 2022,  
Meeting on the State  
of the Region



Workshop 3:

July 6, 2022,  
Meeting to Gather  
Stakeholder Input on  
Plan Elements



Coastal Resources,  
Processes, and  
Vulnerabilities



Sea Level Rise



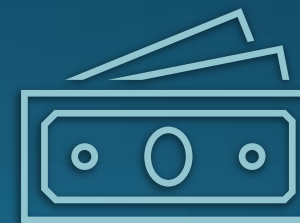
Existing Projects and  
Programs



Governance  
Structure  
Approaches



Example Joint  
Powers Agreement  
and MOU/MOA



Economic  
Information



Summary of Grant  
Opportunities

# Executive Summary



The fundamental goal of the **Strategic Plan** is the formation of a **Regional Collaborative** to build coastal resiliency in the South OC region by reducing **current** and **future** risks from coastal erosion hazards from **Dana Point Harbor** to southern **San Clemente**.

# Collaborative Structure Analysis



## Recommended Action:

Regional Collaborative formed through  
Memorandum of Agreement or Understanding  
(MOA/MOU)



## Alternative 1:

Joint Powers Authority (JPA)



## Alternative 2:

Local Collaborative (Ad-Hoc)



## Alternative 3:

USACE-Centered



## Alternative 4:

Consultant- or Nonprofit-Led



## Alternative 5:

Individual Agency

# Funding Opportunities



Regional Cost-Sharing Framework



Establishing a Cost-Sharing Account



Grant Funding



Local Hazard Mitigation Planning and Pre-Disaster Assistance

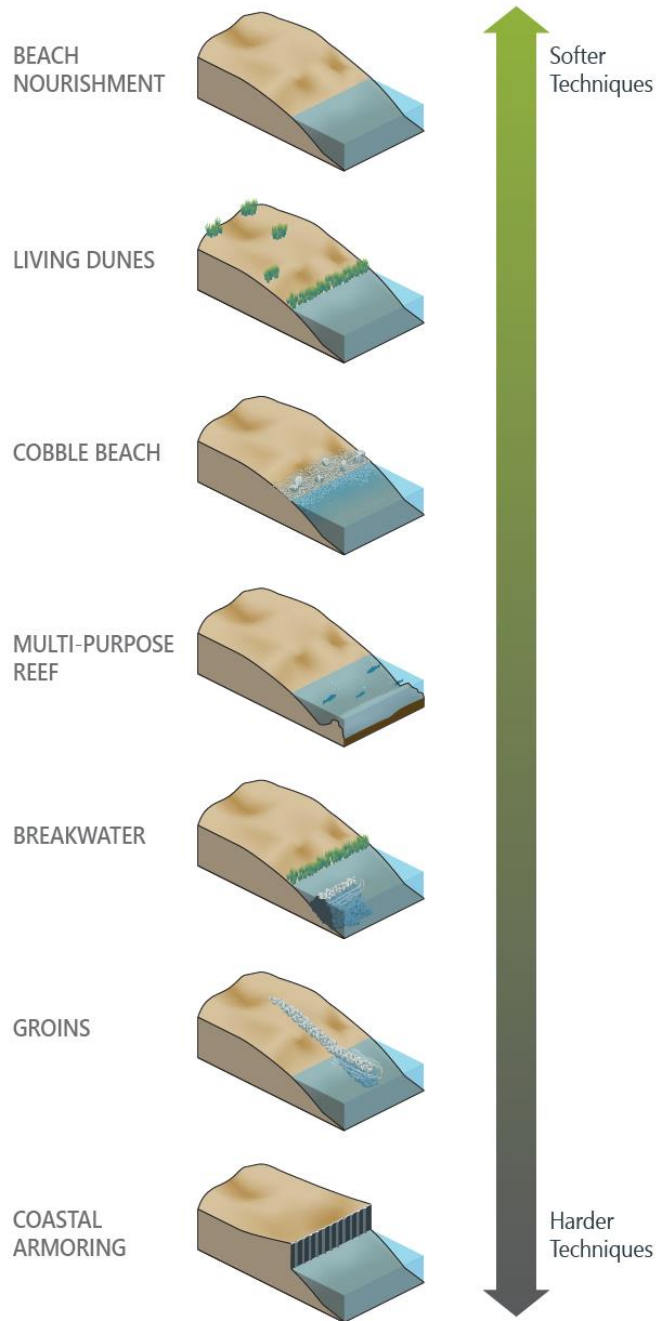


Impact Mitigation Fees



Transient Occupancy Tax or Sales Tax, Other?





# Green-to-Gray Solutions

- The green-gray scale ranks shoreline management strategies from green, nature-based solutions to gray or hard solutions.
- Based on stakeholder feedback, green solutions would generally be prioritized over more gray, hard solutions.

# Consistent Support for Beach Nourishment



Coordinate beach nourishment efforts



Optimize beneficial use of sand



Restore natural sediment supply



Strategically place sediment



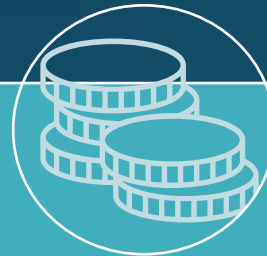
Increase public beach-based recreation



Provide wave protection and minimizes storm damage



Support and enhances coastal resiliency projects



Provide an economic approach to coordinating projects



Advance the State's target for resiliency of 3.5 feet of SLR by 2050

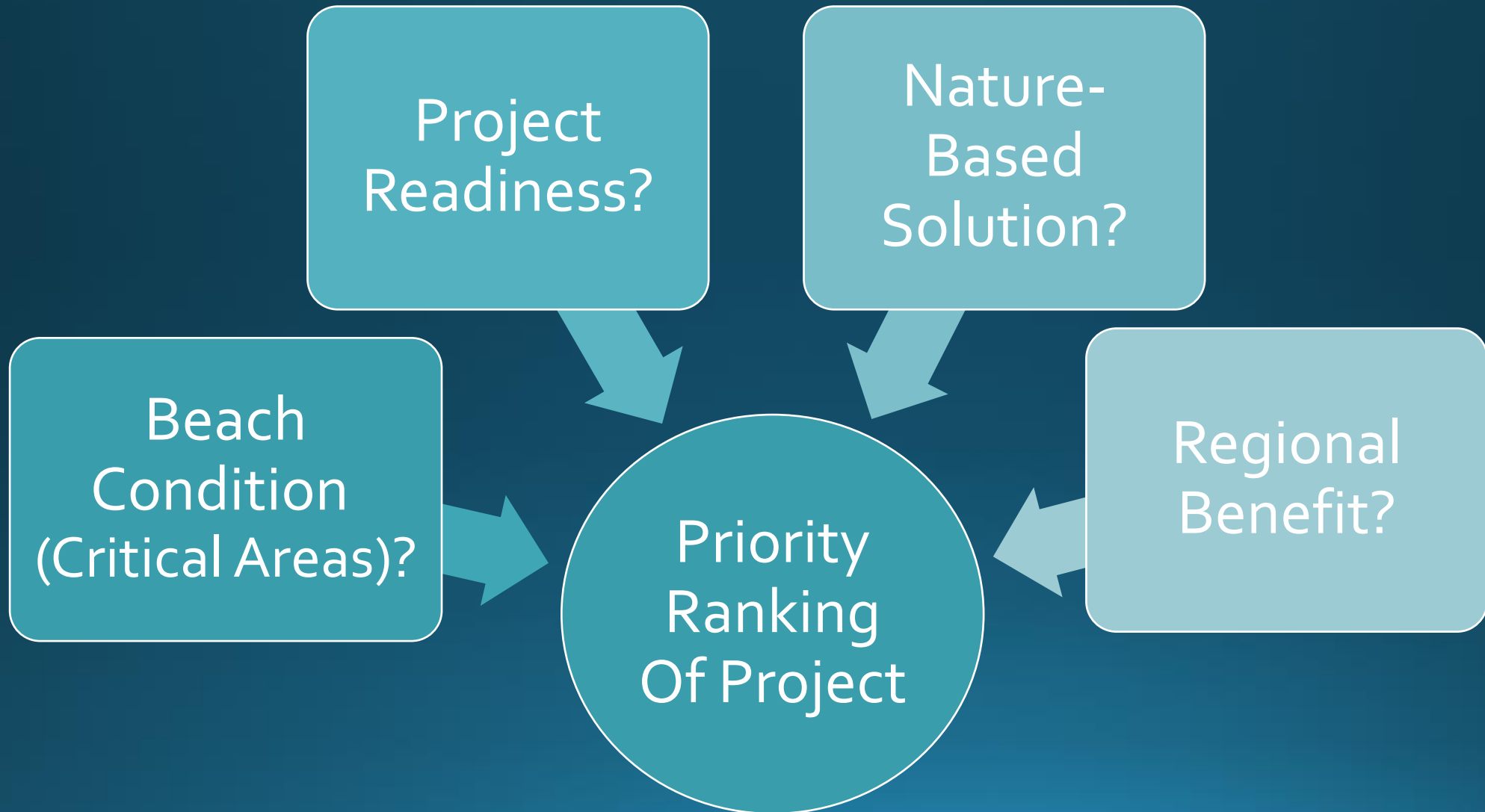


Preferred by Cities of Dana Point, San Clemente and CCC

# Develop Projects Within a Regional Collaborative



# Priorities for Developing Projects

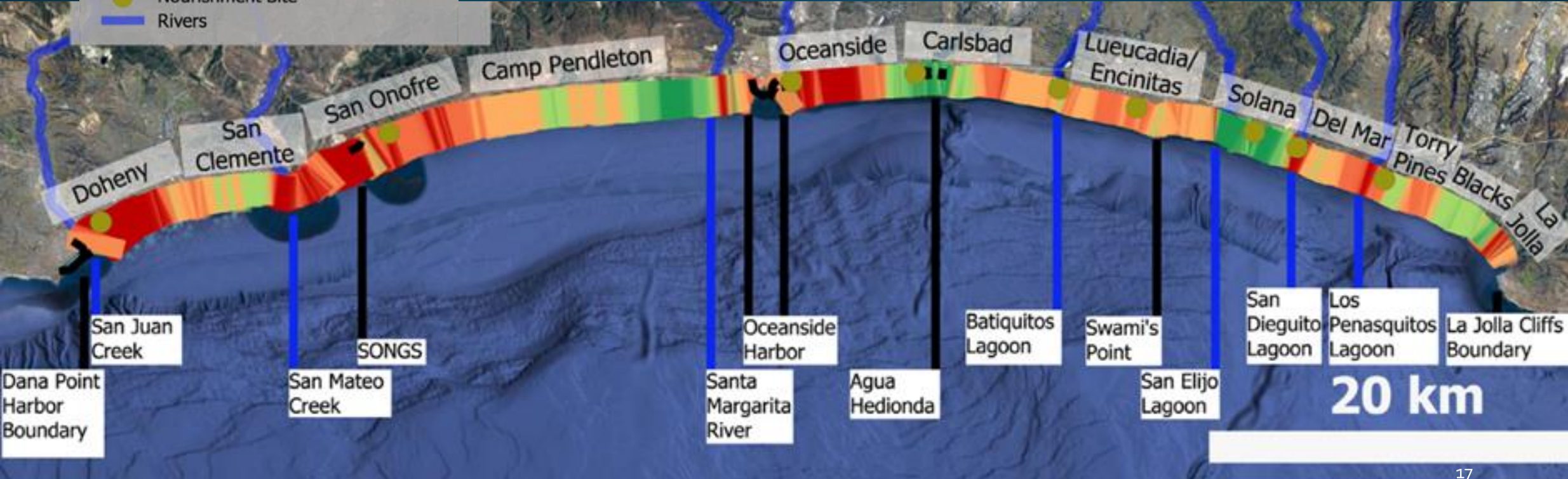
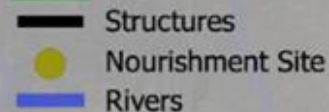
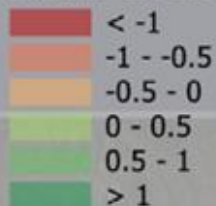




# Critical Shoreline Areas Identified

## Beach Width Change [m/yr]

2000-2021



# Potential Regulatory Requirements



CEQA / NEPA Analyses

US Army Corps of Engineers: Clean Water Act Section 404 and Section 10 Rivers and Harbors Permits

US Fish and Wildlife, National Marine Fisheries Service, National Oceanic and Atmospheric Administration: Consultation on Endangered Species and Habitat

California Coastal Commission: Coastal Development Permit and/or Federal Consistency Determination

California State Lands Commission: Land Lease

Regional Water Quality Control Board: Section 401 Water Quality Certification

State Parks/HOAs: Right of Entry or Encroachment Permit or Authorization

Local Permits (Grading, Haul Route, or Coastal Development Permits)

## **Cost- Benefit Analysis:**

- Proposed Project Description and Costs
- Demographics
- Beach Attendance Data
- Shoreline Profile Data
- Critical Public Infrastructure
- Beach Amenities
- Project Benefits



# Economic Benefits of Beaches



- Space for recreation
- Business growth opportunities
- Property value benefits
- Support for critical public infrastructure
- Connection to other people in the region



# Regional Partners Recent Activity



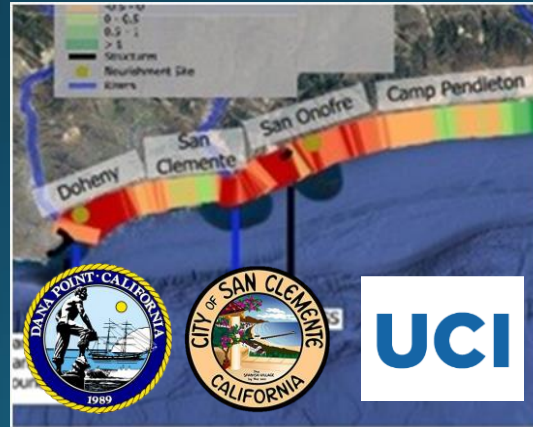
Opportunistic Sand Placement



Doheny North Campground Upgrades



Regional Beach Sand Project III



Beach Width Measurements & Monitoring



Orange County Coastal Rail Resiliency Study



Nature Based Sand Retention Study

# Recommended Next Steps: Strategic Plan Implementation



Form a  
Regional  
Collaborative



Develop a Near-  
Term  
Comprehensive  
Regional Beach  
Nourishment  
Program



Obtain  
Funding



Implement  
Priority  
Projects



Develop Mid-  
and Long-Term  
Regional Goals  
and Projects

# Opportunities for Feedback

County to receive input through  
April 15, 2024.

Provide feedback via:

1. Comment cards / written feedback to leave behind with us today.
2. Email at:  
[SouthCoastalResilience@ocparks.com](mailto:SouthCoastalResilience@ocparks.com)
3. Survey Monkey (post-meeting email from County).

# For More Information:



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# Thank you for your time!

