



CAPISTRANO BEACH PARK MASTER PLAN

PUBLIC WORKSHOP 1 – OCTOBER 22ND, 2019





Our Vision

Champions of the Land for a Thriving
Community

Our Mission:

We Preserve and Enhance OC Parks'
Natural and Cultural Resources for Recreation,
Education and Exploration.

Core Values:

Community
Commitment to Excellence
Service
Stewardship

Why Are We Here Tonight?

- **Understand** the Master Plan process
- **Learn** about coastal processes
- **Consider** opportunities and challenges
- **Share** your concerns and suggestions



Tonight's Agenda

- Welcome and Introductions
- Master Plan Process
- Capistrano Beach Park Overview
- Capistrano Beach Park Opportunities and Challenges
- Adaptation Toolbox
- Community Input
- Next Steps and Adjournment

Project Team



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



- Welcome and Introductions
- **Master Plan Process**
- Capistrano Beach Park Overview
- Capistrano Beach Park Opportunities and Challenges
- Adaptation Toolbox
- Community Input
- Next Steps and Adjournment

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019





Capistrano Beach Park

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Capistrano Beach Park Master Plan

- Original Master Plan completed in 1980
- New long-term plan to address the Park's future is needed



CAPISTRANO BEACH PARK MASTER PLAN



Capistrano Beach Park Master Plan Objectives

Ensure sustainable public coastal access at Capistrano Beach

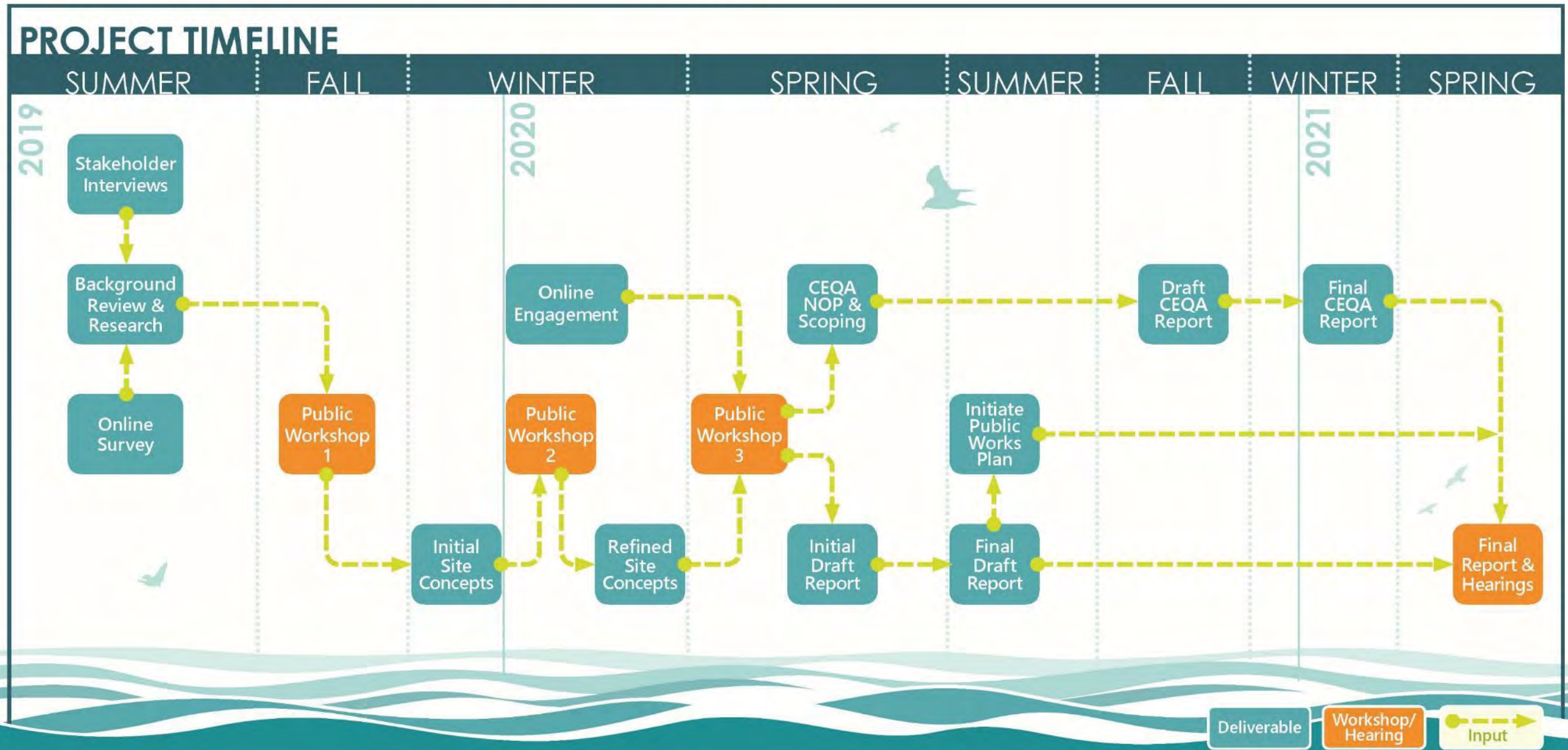
- Engage the public
- Incorporate technical information
- Achieve consensus with involved agencies, including the City of Dana Point, OC Board of Supervisors and the California Coastal Commission

Capistrano Beach Park Master Plan Outcomes

Master Plan will include a design concept and enough technical information to support OC Parks in:

- Meeting regulatory requirements
- Phasing future implementation efforts
- Securing future funding
- Developing partnerships
- Building relationships

CAPISTRANO BEACH PARK MASTER PLAN



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



- Welcome and Introductions
- Master Plan Process
- **Capistrano Beach Park Overview**
- Capistrano Beach Park Opportunities and Challenges
- Adaptation Toolbox
- Community Input
- Next Steps and Adjournment

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Location



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Current Conditions



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Current Conditions



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Current Conditions



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Current Conditions



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Current Conditions



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Current Conditions



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Beach Users



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



History - 1929



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



History – ca. 1930s



Photo: Orange County Archives (Flickr)

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



History - 1956



Photo: OC Planning Department via Orange County Archives (Flickr)

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



History - 1964



Photo: County of Orange

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



History - 1965



Photo: Carlos N. Olvera via *Dana Point Times*

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



History – ca. late 1960s



Photo: Karlene Hickman via OC Public Libraries

CAPISTRANO BEACH PARK MASTER PLAN



History – ca. late 1970s

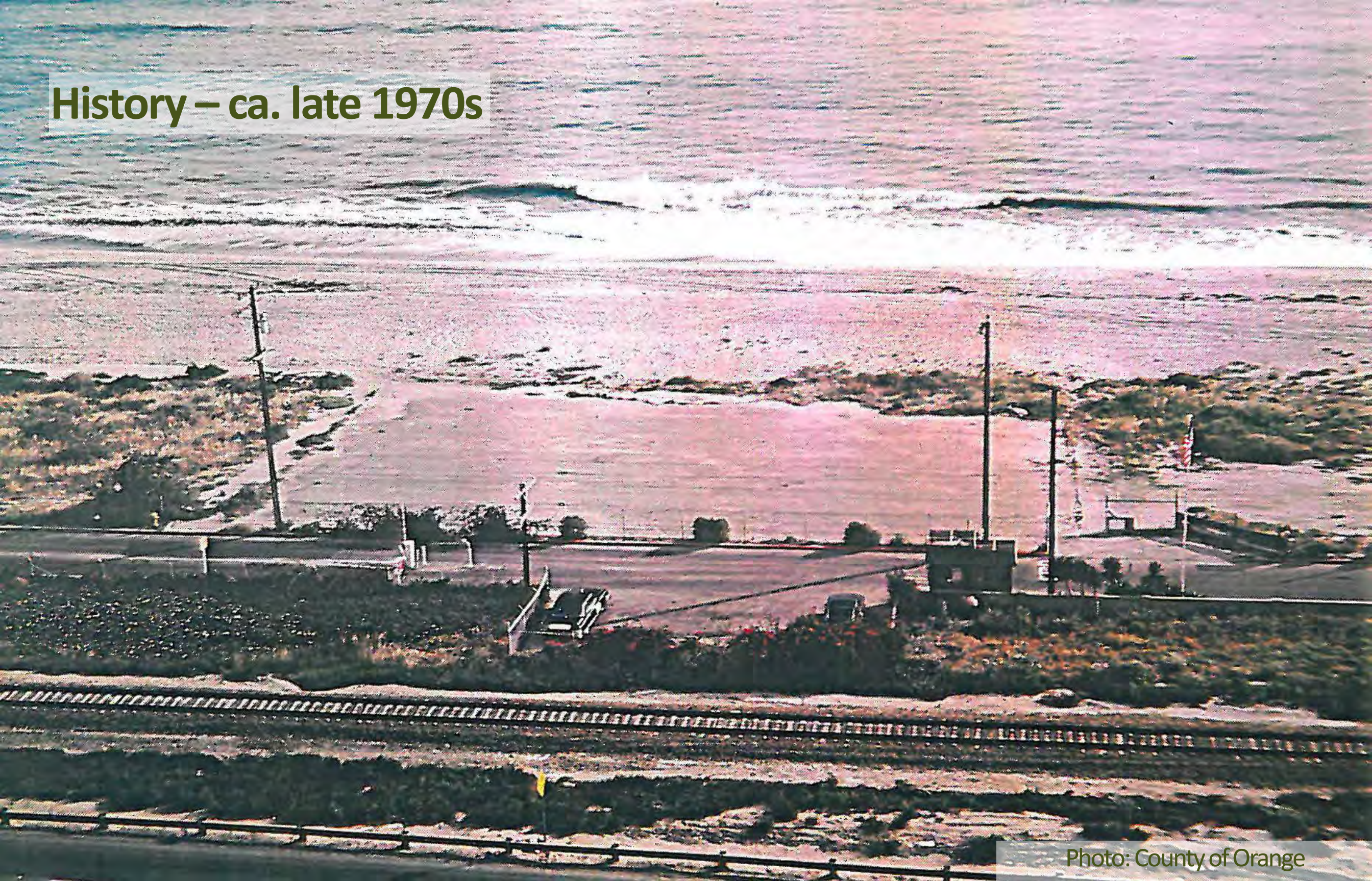


Photo: County of Orange

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



History – 1980



Photo: County of Orange

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



History – 1980



Photo: County of Orange

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



History – 1980



Photo: County of Orange

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



History – 1980s through early 2000s



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



History – 2005 to present



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Shoreline History

1929 (earliest aerial photo) to mid-1960

- Historically narrow sandy beach

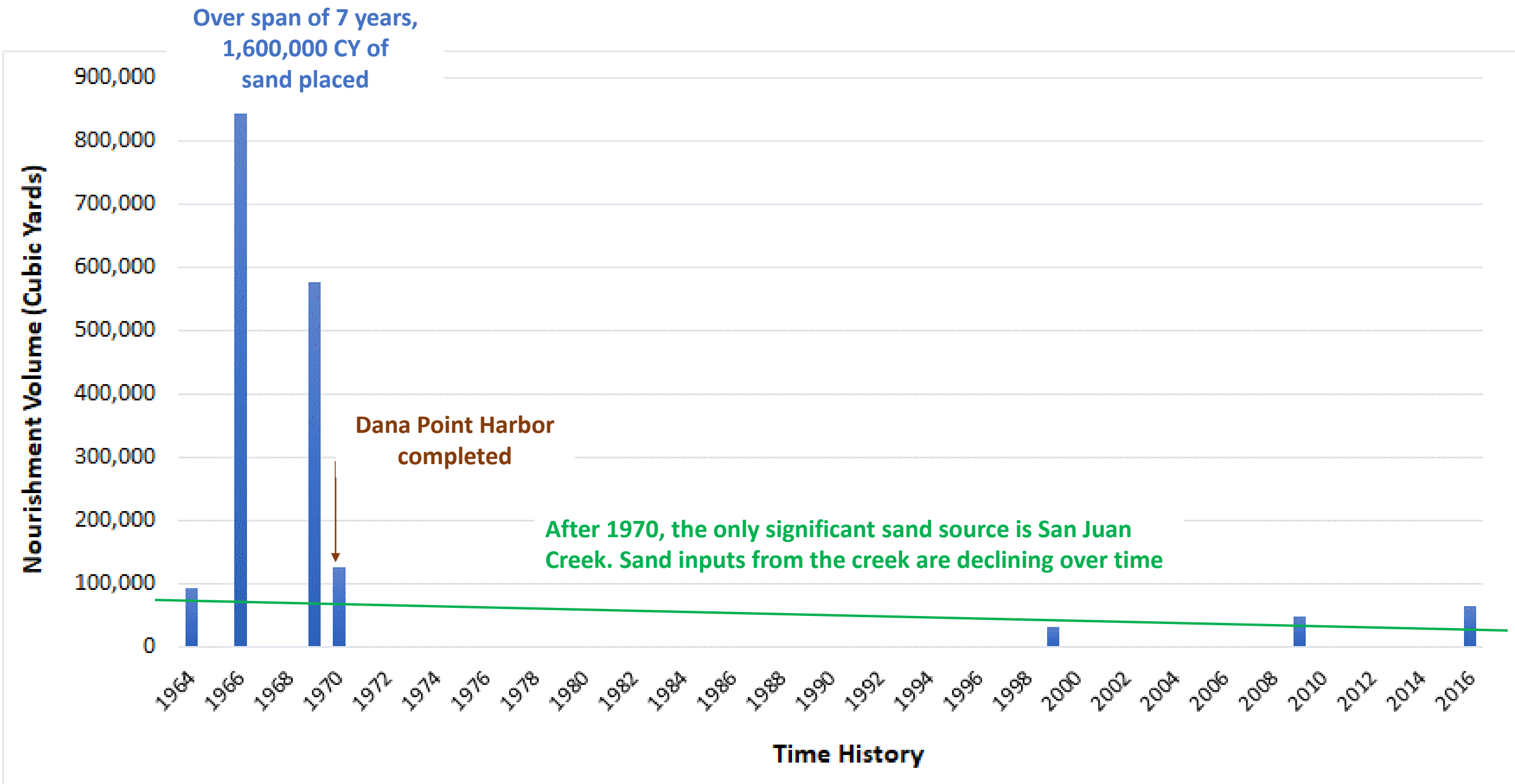
Mid-1960 to 1970

- Significant beach nourishment provided wider beaches along Doheny State Beach and Capistrano Beach for approximately 20 years

1970 to current

- Only three small beach nourishment events
- Multiple significant El Nino storm events (1982-83, 1988, 1997-98, 2015-2016)
- Significant reduction in San Juan Creek sand input to beaches, especially during drought conditions (2011-2017)
- Sea level rise of approximately 5 inches since 1960

Capistrano Beach/Doheny State Beach Nourishment Events

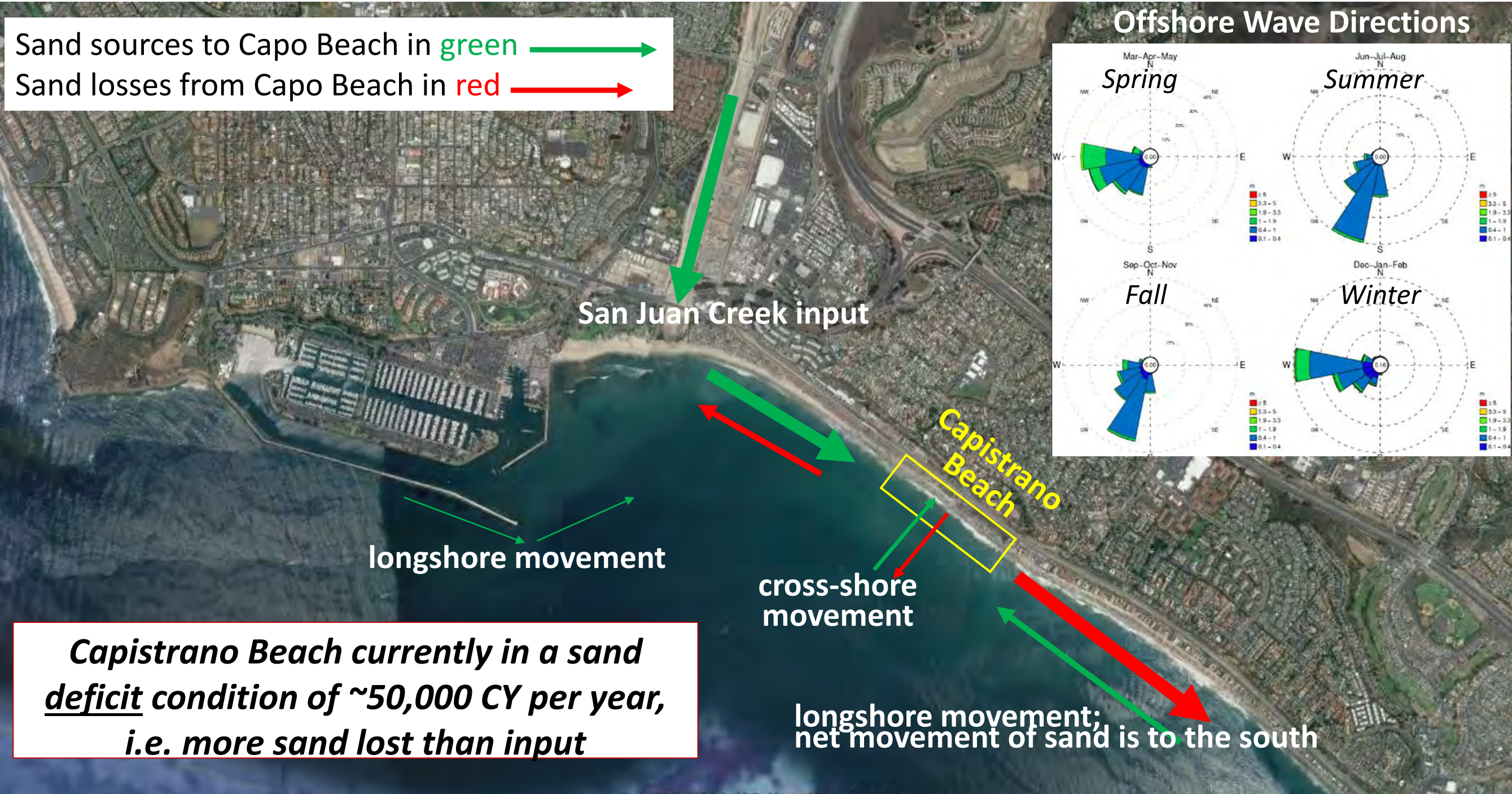


CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Sand Movement Along the Shoreline

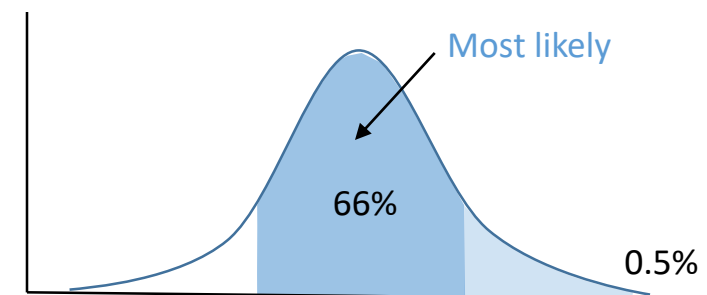


Capistrano Beach currently in a sand deficit condition of ~50,000 CY per year, i.e. more sand lost than input

Future Sea Level Rise

- Sea levels are rising, accelerating from historic SLR
- Various models, projections and uncertainty
- Latest projections, “State of California Sea Level Rise Guidance” (2018), prepared by Ocean Protection Council:

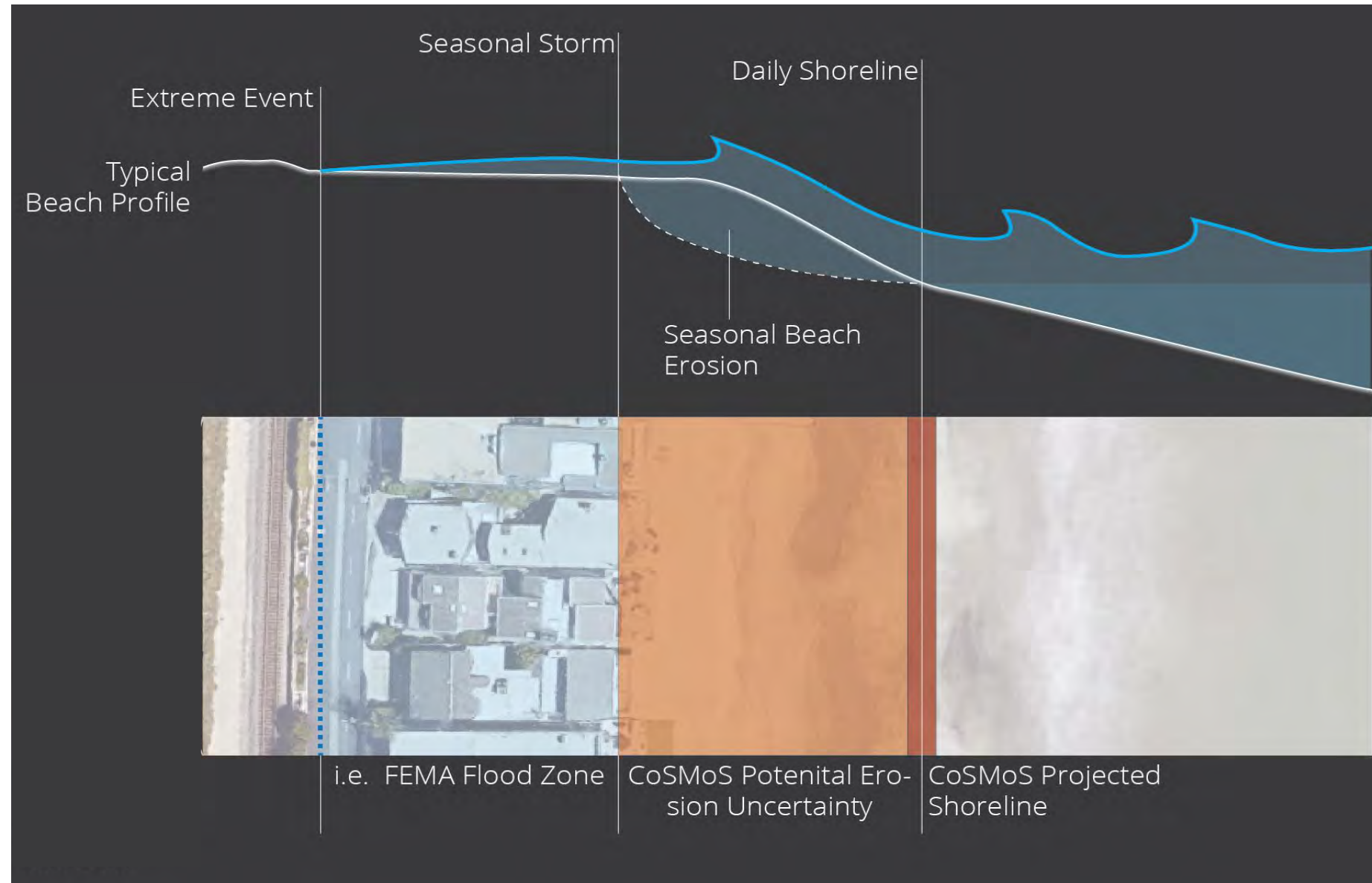
	<u>Most likely SLR</u>	
2050	0.7 – 1.2 ft	0.5% chance of 2 ft
2070	1.1 – 2 ft	0.5% chance of 3.6 ft
2100	1.8 – 3.6 ft	0.5% chance of 7.1 ft



- Increased hazards:
 - Flooding from higher water level
 - Beach erosion caused by larger breaking waves onshore
 - Direct wave action damage
 - Larger breaking waves runup and overtopping

Coastal Erosion Hazard Projections (CoSMoS)

- SLR will increase all coastal hazards
 - Daily “non-storm” shoreline
 - Seasonal erosion
 - Storm related erosion
 - Coastal flooding



Regional CoSMoS projections

Capo Beach Park

1.6 ft (0.5 m) SLR

- ~100-150 ft retreat of daily shoreline
- ~70 ft seasonal erosion

3.3 ft (1 m) SLR

- ~200-250 ft retreat of daily shoreline
- ~100 ft seasonal erosion

Image © 2019 TerraMetrics
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

Google Earth

CAPISTRANO BEACH PARK MASTER PLAN



- Welcome and Introductions
- Master Plan Process
- Capistrano Beach Park Overview
- **Capistrano Beach Park Opportunities and Challenges**
- Adaptation Toolbox
- Community Input
- Next Steps and Adjournment

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Opportunities and Challenges at Capistrano Beach

- Coastal Hazards and Climate Adaptation
- Coastal Access and Regional Connectivity
- Coastal Culture
- Ecology
- Infrastructure
- Regulatory Requirements

Opportunities and Challenges: Coastal Hazards and Climate Adaptation



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Opportunities and Challenges: Access and Connectivity



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Opportunities and Challenges: Coastal Culture



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Opportunities and Challenges: Ecology



Photo: [Melissa McMasters via Flickr](#)



Photo: [spline9 via Flickr](#)

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Opportunities and Challenges: Infrastructure



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019

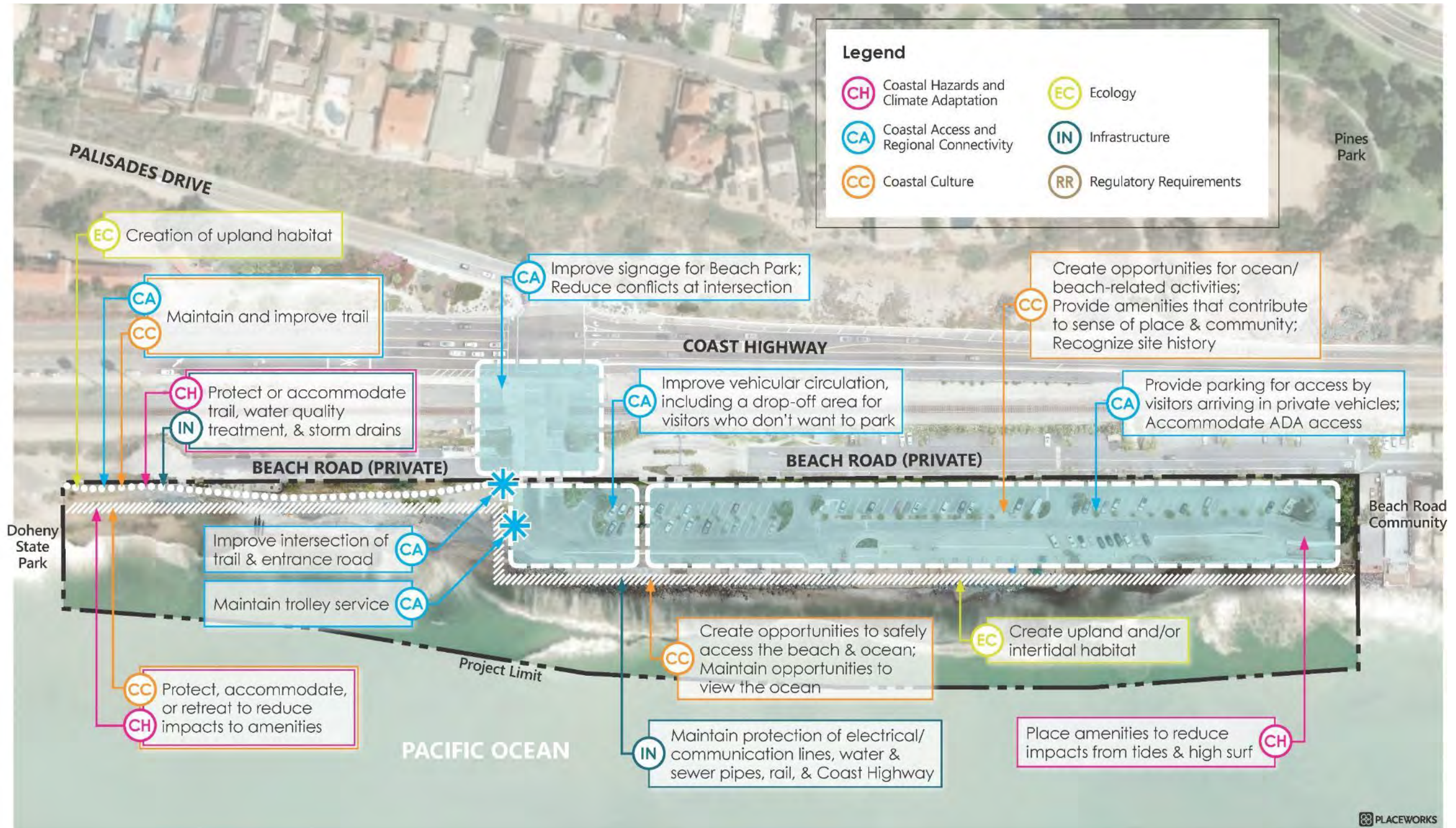


Opportunities and Challenges at Capistrano Beach

Regulatory Requirements

- Permits/approvals from:
 - California Coastal Commission (incl. CA Dept. of Fish and Wildlife)
 - U.S. Army Corps of Engineers (incl. NOAA National Marine Fisheries Service, U.S. Fish & Wildlife Service, U.S. EPA for sand placement)
 - Regional Water Quality Control Board
 - California State Lands Commission
- CEQA review
- Consistency with City of Dana Point Local Coastal Program

Opportunities at Capistrano Beach

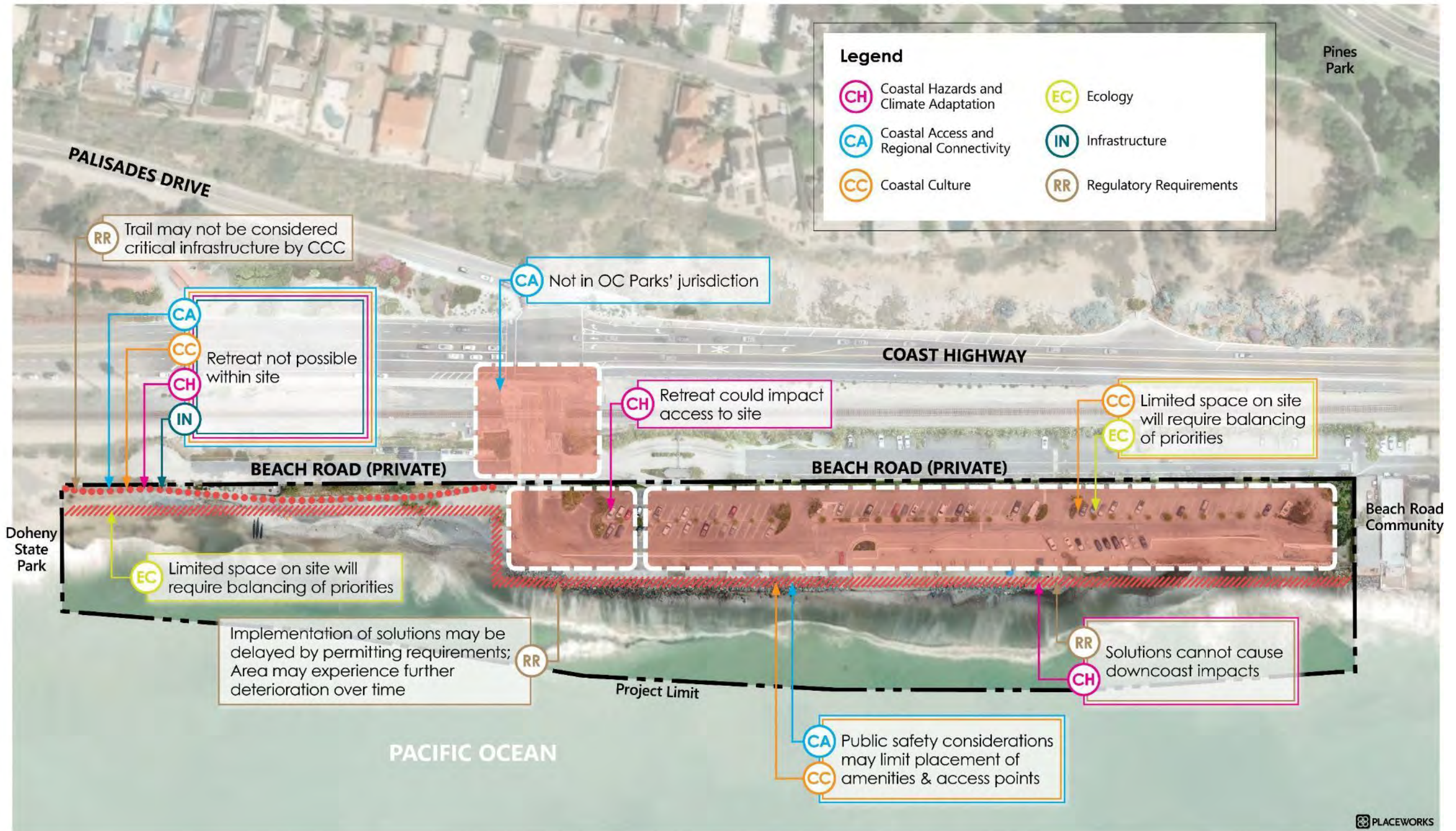


CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Challenges at Capistrano Beach



CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



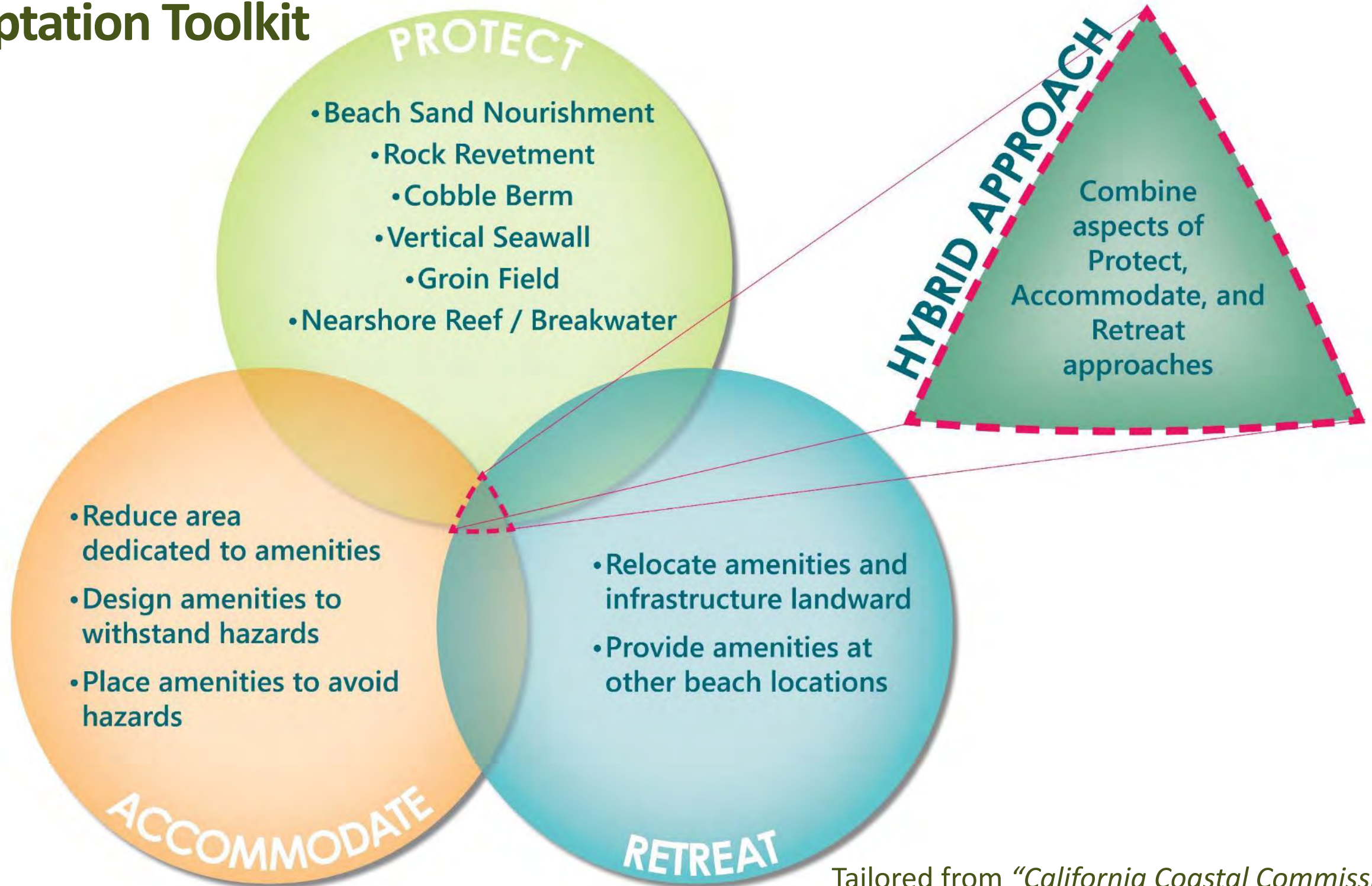
- Welcome and Introductions
- Master Plan Process
- Capistrano Beach Park Overview
- Capistrano Beach Park Opportunities and Constraints
- **Adaptation Toolbox**
- Community Input
- Next Steps and Adjournment

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Adaptation Toolkit



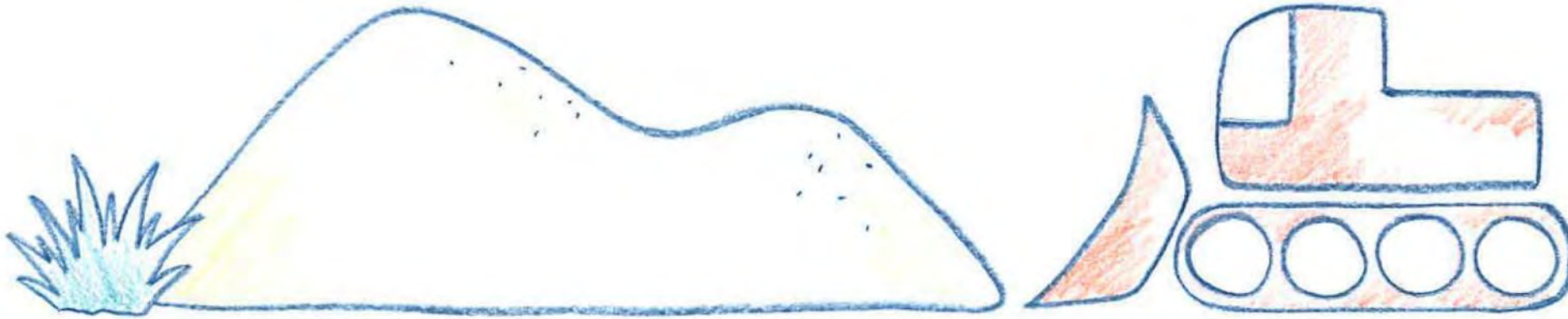
Tailored from “California Coastal Commission Sea Level Rise Policy Guidance” (2018)

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019

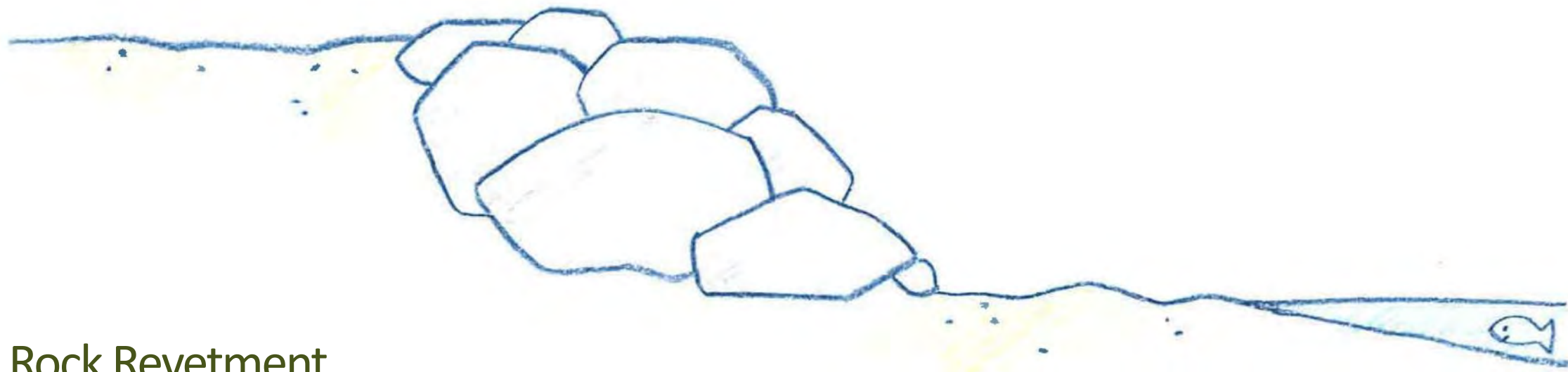


Adaptation Toolkit: Protect



Beach Sand Nourishment

- PROTECT**
- Beach Sand Nourishment
 - Rock Revetment
 - Cobble Berm
 - Vertical Seawall
 - Groin Field
 - Nearshore Reef / Breakwater



Rock Revetment

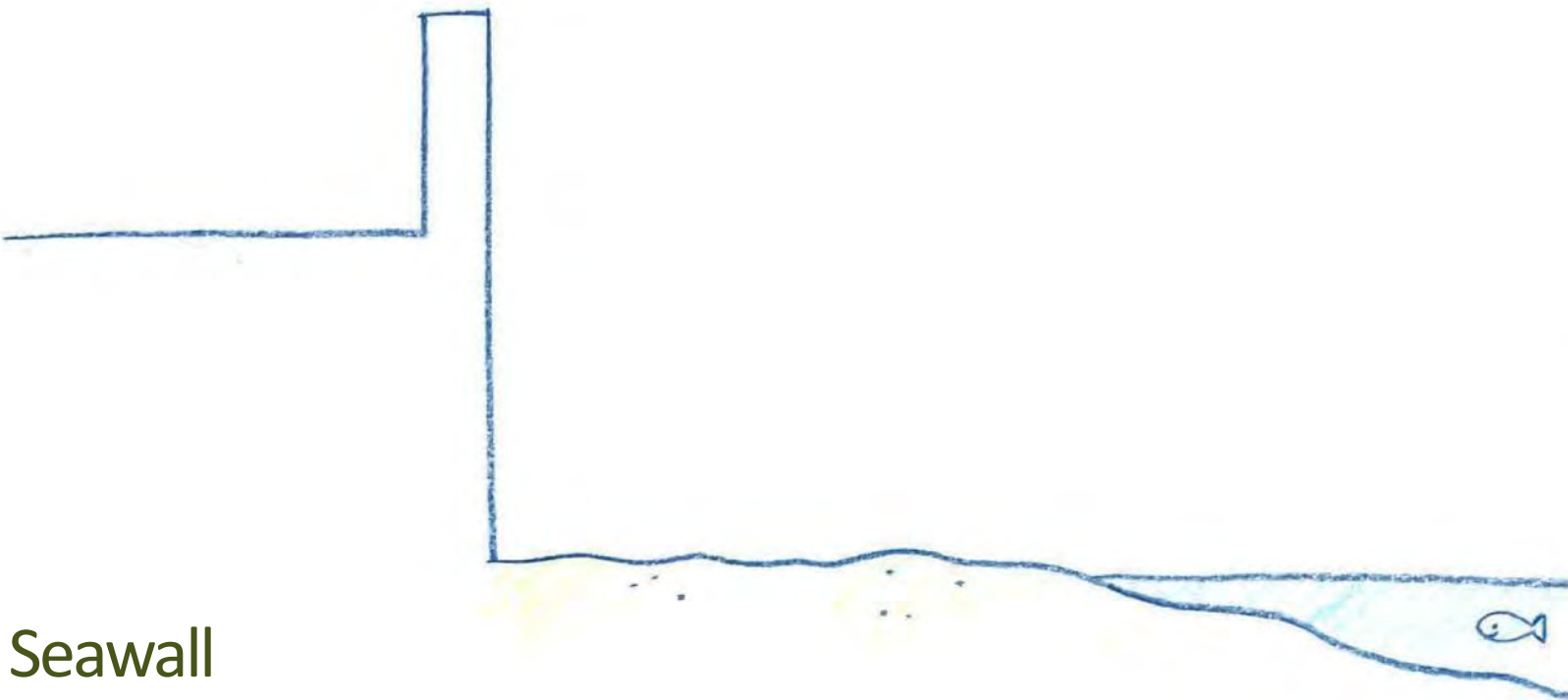
Adaptation Toolkit: Protect

PROTECT

- Beach Sand Nourishment
- Rock Revetment
- Cobble Berm
- Vertical Seawall
- Groin Field
- Nearshore Reef / Breakwater



Cobble Berm

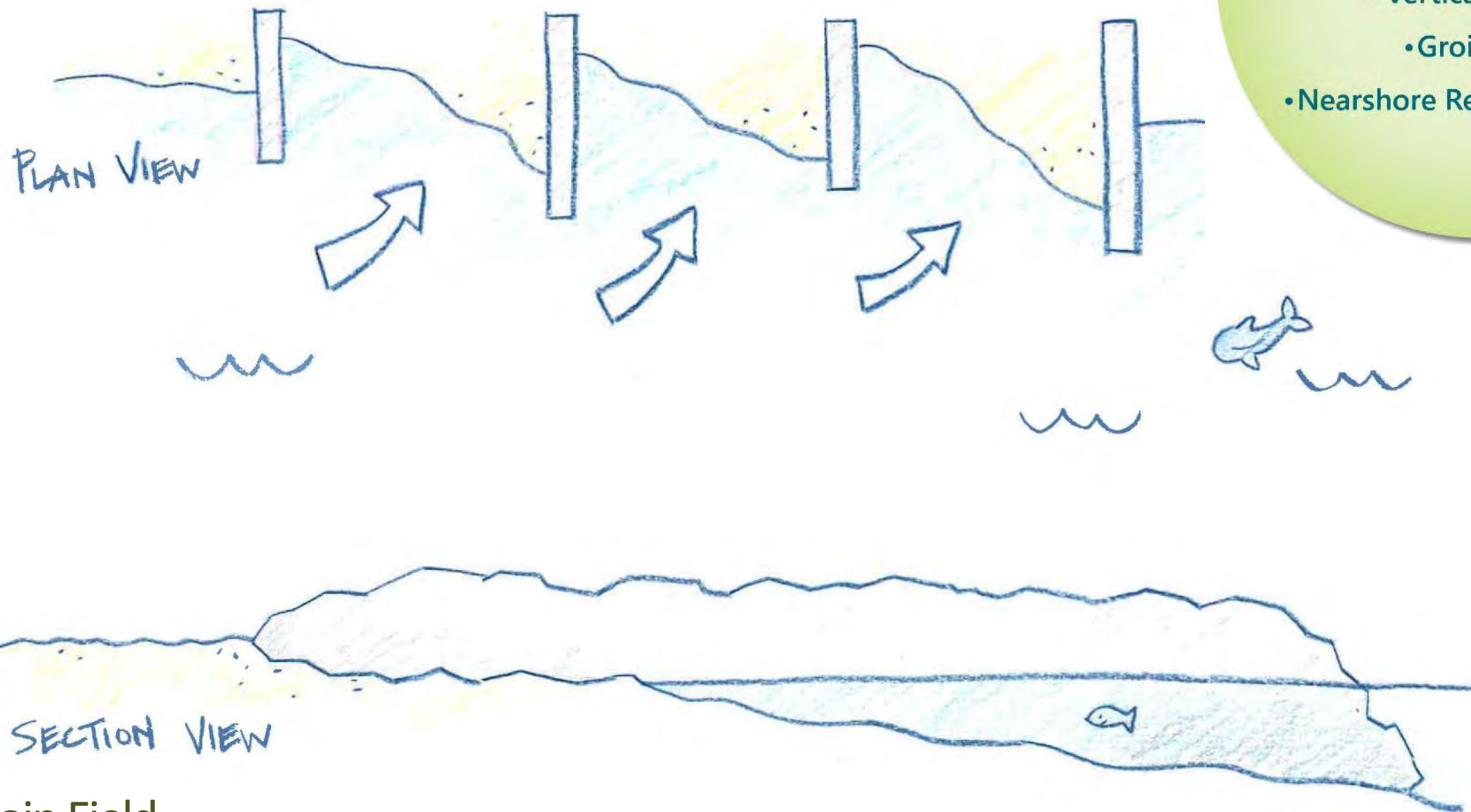


Seawall

Adaptation Toolkit: Protect

PROTECT

- Beach Sand Nourishment
- Rock Revetment
- Cobble Berm
- Vertical Seawall
- Groin Field
- Nearshore Reef / Breakwater



Groin Field

Adaptation Toolkit: Protect

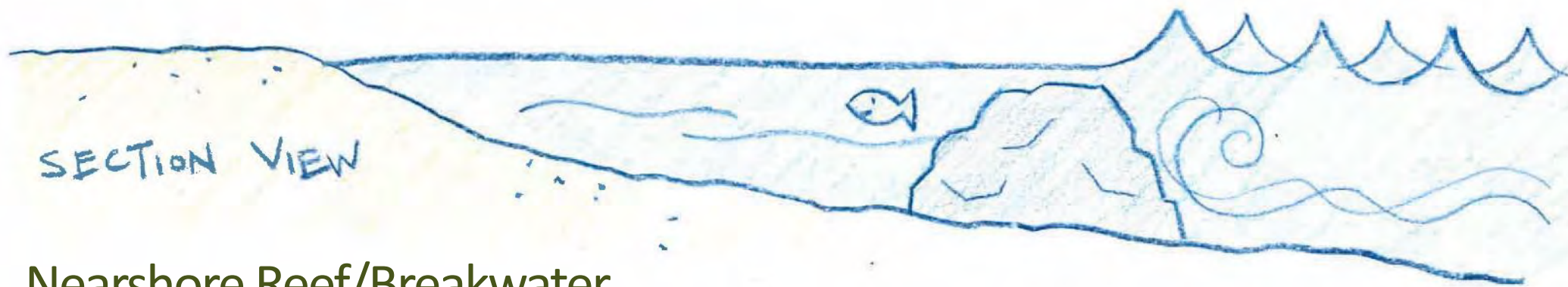
PROTECT

- Beach Sand Nourishment
- Rock Revetment
- Cobble Berm
- Vertical Seawall
- Groin Field
- Nearshore Reef / Breakwater

PLAN VIEW



SECTION VIEW



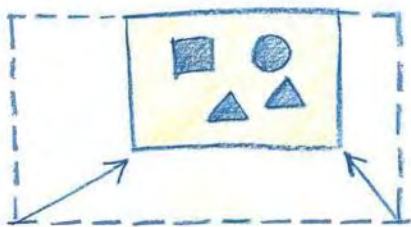
Nearshore Reef/Breakwater

Adaptation Toolkit: Accommodate

ACCOMMODATE

- Reduce area dedicated to amenities
- Design amenities to withstand hazards
- Place amenities to avoid hazards

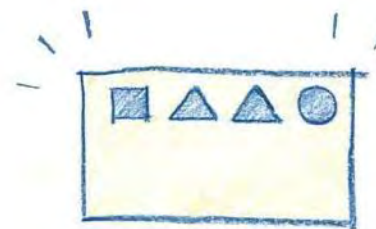
Reduce



Withstand



Avoid

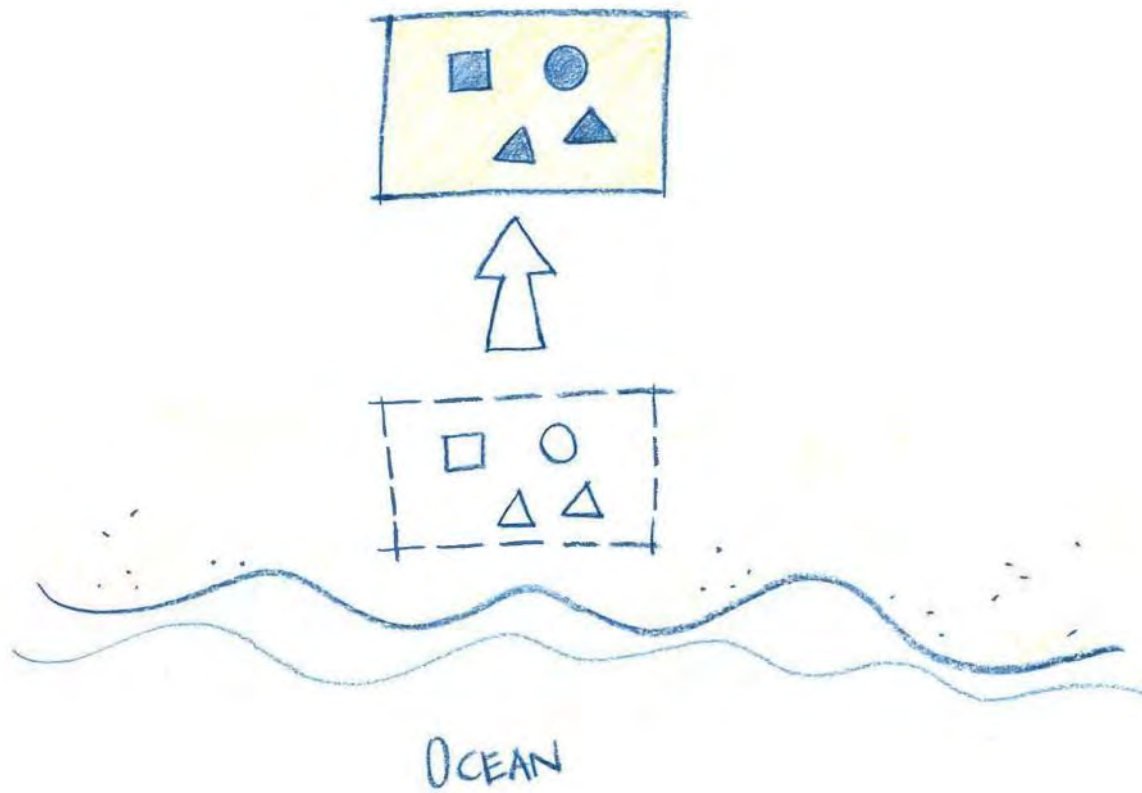


OCEAN

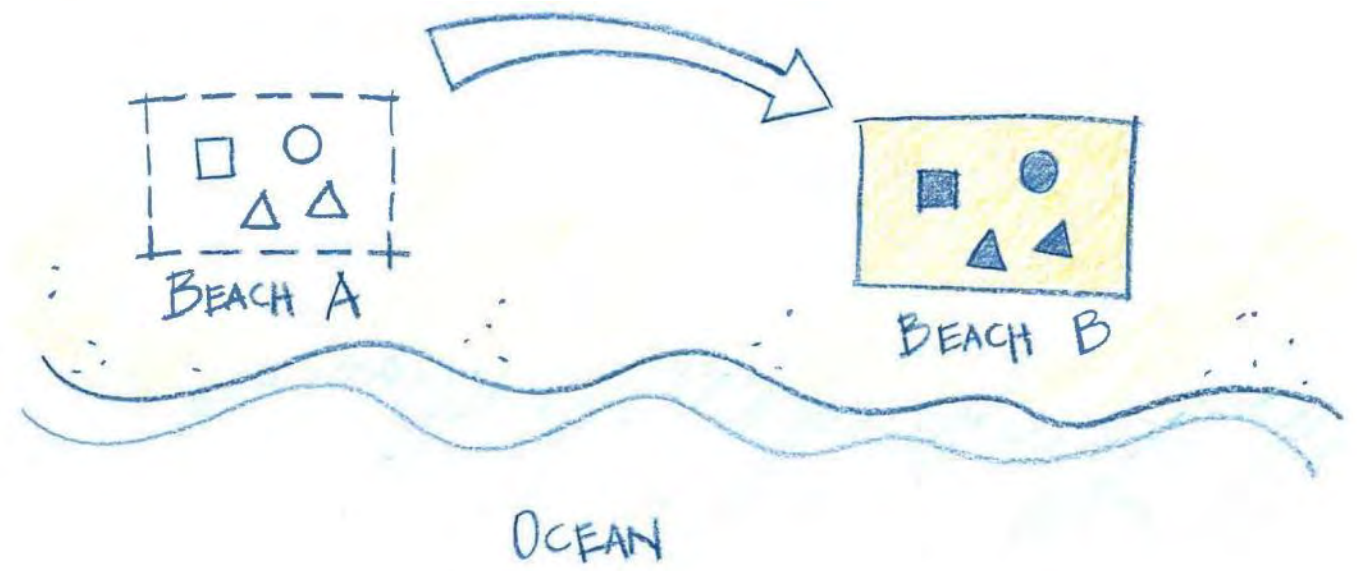
Adaptation Toolkit: Retreat

RETREAT

- Relocate amenities and infrastructure landward
- Provide amenities at other beach locations

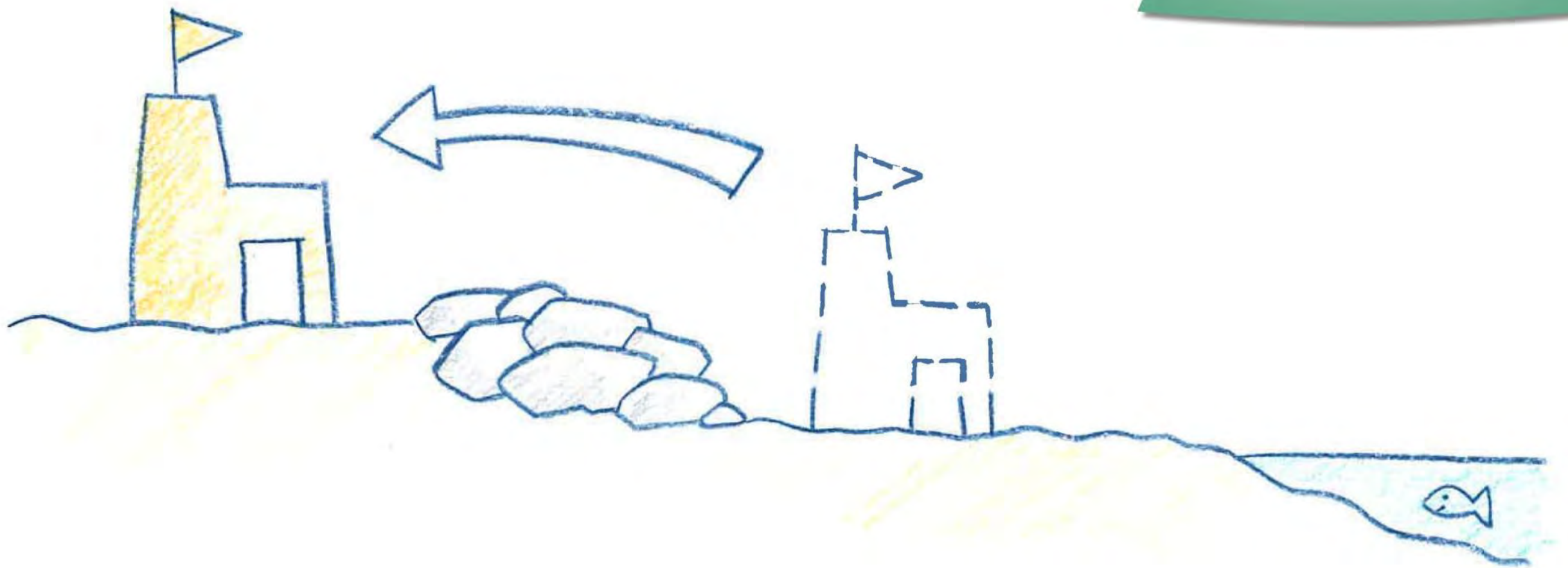


Relocate Landward



Provide Elsewhere

Adaptation Toolkit: Hybrid Approach (Example: Protect + Retreat)



- Welcome and Introductions
- Master Plan Process
- Capistrano Beach Park Overview
- Capistrano Beach Park Opportunities and Constraints
- Adaptation Toolbox
- **Community Input**
- Next Steps and Adjournment

CAPISTRANO BEACH PARK MASTER PLAN

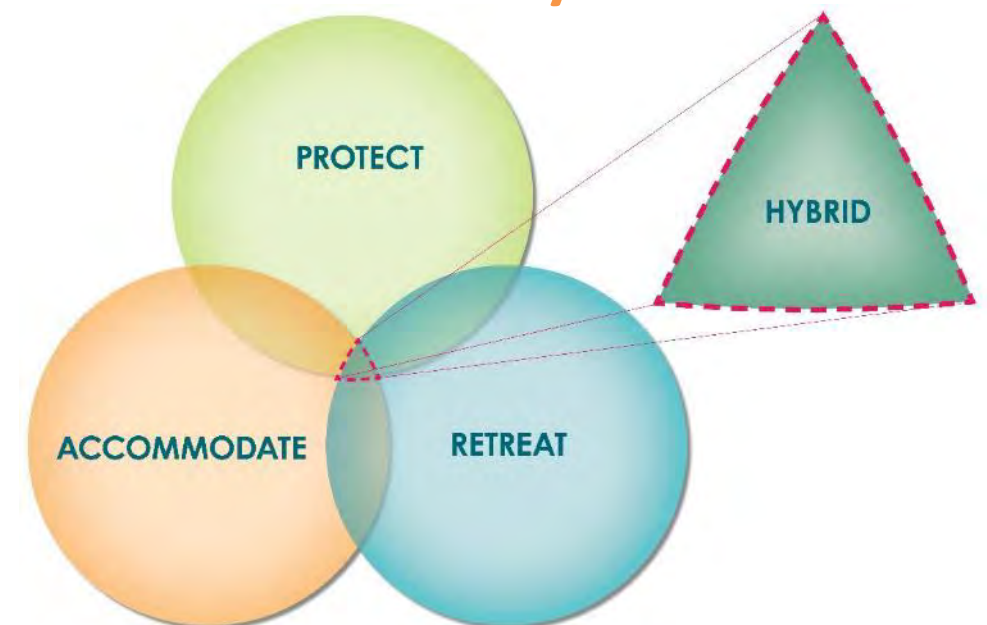
Public Workshop 1 – October 22, 2019



Community Input

Discuss, Document, and Share

1. What do you enjoy most about Capistrano Beach?
2. What are your concerns about Capistrano Beach now and in the future?
3. What changes and improvements would you like to see at Capistrano Beach?
 - Coastal Hazards
 - Amenities



Community Input

Materials:

- Aerial Photo
- Diagrams
- Markers

Instructions:

- Combining your personal experience with what you've learned tonight, discuss the topics with the people at your table.
- Document your discussion on the aerial photo using the colored markers.

Community Input

Instructions, continued:

- Work toward a consensus on your top Adaptation Approach and top 3-4 amenities .
- Select a volunteer to report responses to the larger group.

We will record these responses for prioritization at the end of the meeting.

- All input will be used to inform development of alternative concepts

Ground Rules for Group Discussions

- Everyone's perspective is valued
- Listen to understand – not to debate
- Agree to disagree
- Share the space
- Refer to your experience



- Welcome and Introductions
- Master Plan Process
- Capistrano Beach Park Overview
- Capistrano Beach Park Opportunities and Constraints
- Adaptation Toolbox
- Community Input
- **Next Steps and Adjournment**

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



Next Steps

- **Development of Alternatives**
 - Input from this meeting
 - Input from online survey
 - Information from stakeholder interviews
 - Technical information
- **Meeting to Evaluate and Discuss Alternatives**
 - After the new year

Capistrano Beach Park Master Plan Web Page

CAPISTRANO BEACH

- » Capistrano Beach Home
- » Park Rules
- » Events & Programs
- » News
- » Masterplan

POPULAR

- Alerts
- Annual Passes
- OC Parks Commission Agendas
- Historical Commission Agendas
- Make a Reservation
- OC Fire Watch
- Archery Range
- Volunteer
- Email Signup
- ADA Mobility Devices
- OC Parks Fees
- Projects
- Work for OC Parks

RESOURCES

E-NEWS SIGNUP

Capistrano Beach Park Master Plan

Interim Enhancement Plan (Short-Term) and Master Plan (Long-Term)

PROJECT SUMMARY

OC Parks completed a short-term Interim Enhancement Plan in Summer 2019. The plan included emergency repairs on a stretch of infrastructure damaged by erosion and helped restore public access to the beach.

OC Parks is currently initiating a Master Plan for the long-term vision of Capistrano Beach with resiliency, safety and accessibility in mind. Once that is underway, there will be a public process in which all public and stakeholder input is welcomed and encouraged. OC Parks will continue to post project status updates on this website. Please check back for further updates.

CAPISTRANO BEACH PARK MASTER PLAN

Public Workshop 1 – October 22, 2019



THANK YOU

Project Information

<http://www.ocparks.com/beaches/capistrano/masterplan>

OC Parks Headquarters
(714) 973-6865

CABEMasterPlan@ocparks.com