

# AGENDA

1. Welcome & Introduction to the Panel (6:30 pm - 6:40 pm)
2. Presentation & Breakout Groups (6:40 pm - 7:40 pm)
3. Q & A with the panelists (7:40 pm – 7:55 pm) \*
4. Adjourn (8:00 pm)

\* Questions can be submitted at any time through the chat option on Zoom but will not be answered until after the presentation.

# GROUND RULES

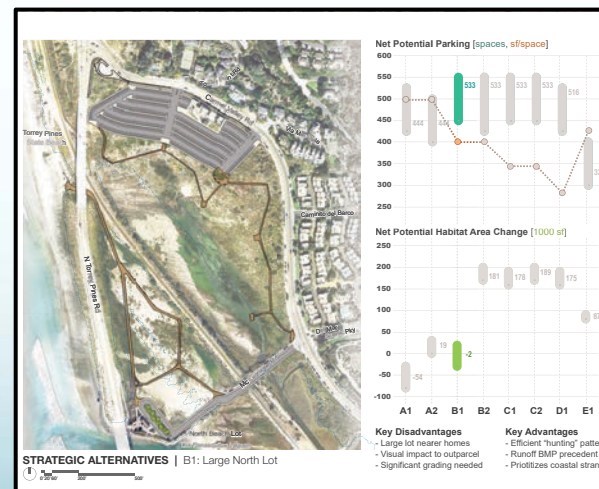
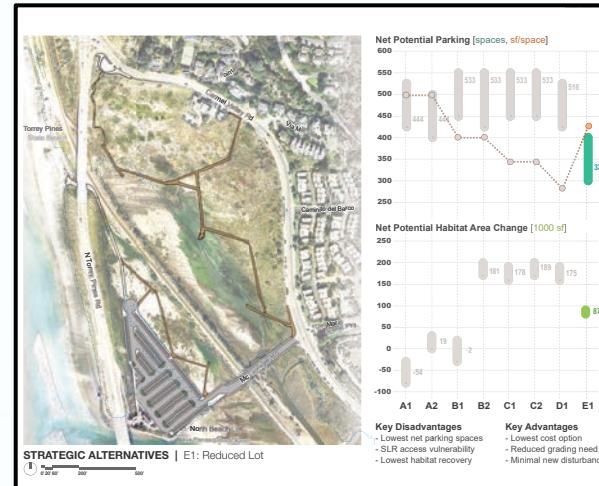
1. Please keep your microphone muted unless you are asked to unmute by a host.
2. Please be respectful of other participants' questions/comments.



# PRESERVING PUBLIC ACCESS TO TORREY PINES STATE NATURAL RESERVE

## Managed Retreat Options for the North Beach Parking Lot

Public Workshop #2. March 30, 2021



**CALIFORNIA DEPARTMENT OF  
PARKS AND RECREATION**  
(San Diego Coast District)

**LOS PEÑASQUITOS LAGOON  
FOUNDATION**  
Connecting Communities Since 1983





# PROJECT LOCATION





# PROJECT BACKGROUND

- Identified as a priority in the 2017 update of the Los Peñasquitos Lagoon Enhancement Plan.
- Climate Ready Grant 2019
- Three broad approaches were selected for consideration:
  - Work within existing footprint.
  - Relocate to an upland location.
  - Relocate to an offsite location.
- Project Components:
  - Site Assessment
  - **Stakeholder Outreach & Engagement**
  - Alternative Analysis
  - Engineering Design





# WHY ARE WE HERE TODAY?

- To review, consider and further develop concept alternatives for the managed retreat and realignment of the North Beach Parking Lot using the existing footprint, upland relocation or a hybrid that utilizes aspects of both approaches.
- Stakeholder engagement provides the opportunity to gain an understanding of how different user groups perceive, prioritize and interact with public resources and services.

## WHY NOW?

- Stakeholder engagement performed early during the planning process can help deliver a product that provides multiple benefits and encourages stewardship.



***“Facts do not cease to exist because they are ignored”***  
– Aldous Huxley

## **WHY PLAN FOR THE FUTURE?**





# WHAT IS MANAGED RETREAT?

## Overview

### **GENERAL DEFINITION:**

Managed retreat is “the purposeful, coordinated movement of people and human infrastructures away from risks.”

### **APPLICATION TO COASTAL COMMUNITIES:**

Sea level rise will affect low-lying coastal communities through coastal erosion and persistent flooding that can significantly damage human infrastructure and displace populations.

### **EXAMPLES:**

- Relocation – removal and inland relocation of infrastructure.
- Realignment – replacing hardened flood control structures (e.g., sea walls) with “soft” coastal landforms (e.g., living shoreline).

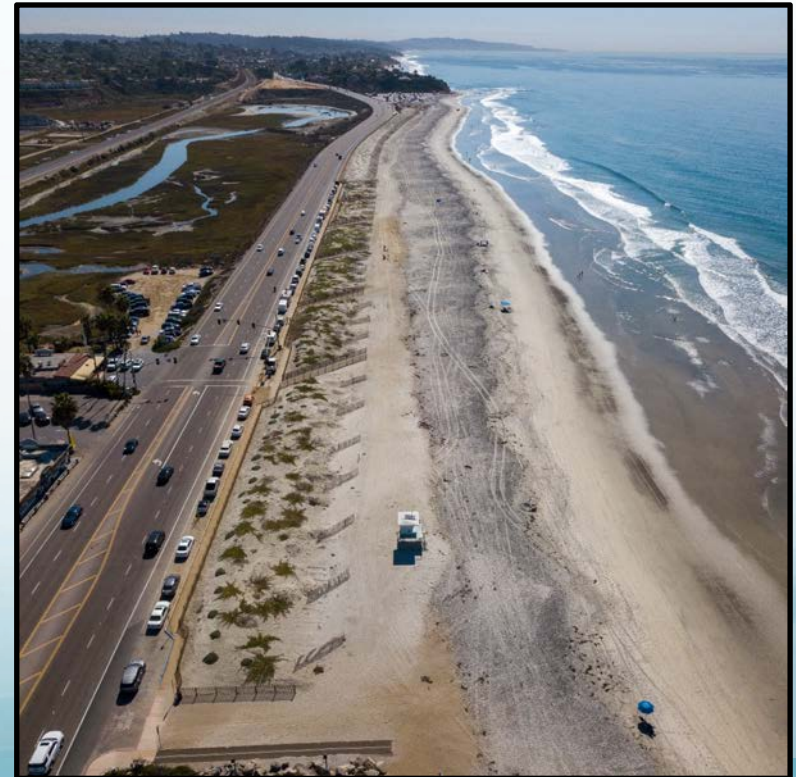
# LIVING SHORELINES CONCEPT

## A NATURE BASED APPROACH FOR COASTAL PROTECTION

Before



After





# NORTH BEACH PARKING LOT in 2021

525 parking spaces

New modular  
bathrooms

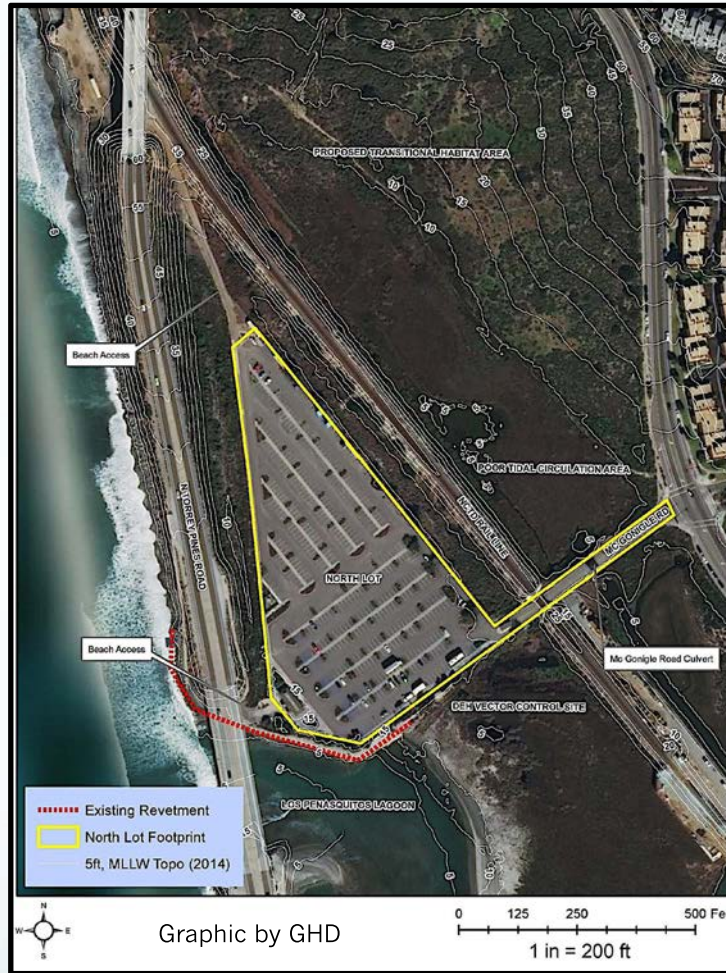
Maintenance &  
Lifeguard Facilities

Pay kiosk

2 beach access  
points

Showers

Junior Lifeguards  
drop off & staging





# PROJECT NEED

## Vulnerability to Flooding

- Climate change will increase vulnerability and risk due to sea level rise and flooding from storm runoff at the North Beach Parking Lot.



Beach access ramp (3/01/2016). Photo: M. Hastings



Beach access ramp (12/05/2017). Photo: M. Hastings



CUMULATIVE FLOOD IMPACT: 100 YEAR STORM RUNOFF + SEA LEVEL RISE



# PROJECT NEED

## Impaired Access to Torrey Pines State Beach

- Coastal processes (e.g., sediment transport) augmented by climate change could impair long-term access to Torrey Pines State Beach.



Beach access ramp (12/4/2013). Photo: M. Hastings



Beach access ramp (2/19/2016). Photo: M. Hastings



Beach access ramp (2/10/2017). Photo: M. Hastings



Beach access ramp (2/10/2017). Photo: M. Hastings



# PROJECT CONSTRAINTS

## Sensitive Habitats & Species



Coastal CA  
Gnatcatcher



Nuttall's Lotus



Belding's Savannah  
Sparrow



Wandering  
Skipper





# PROJECT CONSIDERATIONS

## Balancing Parking, Amenities & Uses

- **North Beach Parking Lot seldom reaches capacity**
  - Provides parking opportunities during summer months, but do we need all of the 525 parking spots?
- **Junior Lifeguard Program**
  - Should there be a dedicated drop off location/loop separate from parking areas in the reduced footprint approach?
  - How will this valuable youth program be served if the lot is relocated to an upland location or offsite?
- **ADA Accessibility**
  - How can access be preserved and/or enhanced for each approach (Reduced Footprint, Upland Relocation, Offsite Location).
- **Resiliency to Climate Change (Sea Level Rise)**
  - Approaches and design features will need to consider this for near-term (2030), mid-term (2050) and long-term (2100).

# BREAKOUT ROOMS – PURPOSE

- Everyone will be randomly placed into a breakout group of 5-10 participants to facilitate collaboration and discussion in small groups.
- Explore the advantages/disadvantages and opportunities/constraints for the following approaches:
  - Reduced Footprint (15 minutes)
  - Upland Relocation (15 minutes)
  - Offsite Relocation (15 minutes)
- Focus on the approach, lot layout, and general features of each option rather than lot components and amenities (this will be done later).





# BREAKOUT ROOMS – FEEDBACK

After 15 minutes of discussion with your group, breakout rooms will come back to the main group to present the following:

- Advantages and disadvantages for each approach.
- Opportunities and constraints for each approach.
- Which Option(s) were the best and why?
- Is this approach worth pursuing further? Why/why not?



# BREAKOUT ROOMS – FACILITATORS

- **CA STATE PARKS (SAN DIEGO COAST DISTRICT) - LANDOWNER**
  - Darren Smith, District Services Manager
- **LOS PEÑASQUITOS LAGOON FOUNDATION – GRANT RECIPIENT**
  - Mike Hastings, Executive Director
- **GHD – COASTAL ENGINEERING CONSULTANT**
  - Brian Leslie, Senior Coastal Scientist
- **CALIFORNIA STATE COASTAL CONSERVANCY – FUNDING ENTITY**
  - Joel Gerwein, South Coast Program Deputy Manager





# **BREAKOUT GROUPS**

## **Reduced Footprint**

# POTENTIAL OPTIONS FOR MANAGED RETREAT

## Reduced Footprint

### KEY ADVANTAGES

- Lowest cost option.
- Minimal new disturbance.
- Restoration of coastal strand habitat.
- Potential for trails in areas of restored coastal strand habitat.
- Beach access similar to existing conditions.

### KEY DISADVANTAGES

- Loss of parking spaces.
- Long-term SLR resilience.
- Lowest potential for habitat recovery.



**OPTION 1A. REDUCED PARKING LOT**



# POTENTIAL OPTIONS FOR MANAGED RETREAT

## Reduced Footprint

### KEY ADVANTAGES

- Lowest cost option.
- Minimal new disturbance.
- Restoration/expansion of coastal habitats adjacent to the inlet area and lagoon.
- Potential for trails in areas of restored coastal habitats.
- Better protected from SLR than Option 1A due to lot location.
- Beach access similar to existing.

### KEY DISADVANTAGES

- Loss of parking spaces.
- Long-term SLR resilience.
- Lower potential for habitat recovery.
- Vulnerability to erosion with removal of revetment at inlet.



**OPTION 1B. REDUCED PARKING LOT**



# POTENTIAL OPTIONS FOR MANAGED RETREAT

## Reduced Footprint

### KEY ADVANTAGES

- Balances parking spaces with habitat expansion.
- Minimal new disturbance.
- Beach access similar to existing.
- Green roof improves visual corridors.

### KEY DISADVANTAGES

- Loss of parking spaces.
- Long-term SLR resilience
- Higher cost than Option 1A and Option 1B.



**OPTION 2A. PARKING LOT WITH GREEN ROOF**



# POTENTIAL OPTIONS FOR MANAGED RETREAT

## Reduced Footprint

### KEY ADVANTAGES

- Balances parking spaces with habitat expansion.
- Minimal new disturbance.
- Beach access similar to existing.
- Green roof improves visual corridors.
- Reduces dependency on McGonigle Road for access.

### KEY DISADVANTAGES

- Loss of parking spaces.
- Long-term SLR resilience
- Higher cost than Option 1A, Option 1B, and Option 2A.



**OPTION 2B. PARKING LOT WITH GREEN ROOF**

# **RESULTS FROM BREAKOUT GROUPS**

## **Reduced Footprint**



# **BREAKOUT GROUPS**

## **Upland Relocation**

# POTENTIAL OPTIONS FOR MANAGED RETREAT

## Upland Relocation

### KEY ADVANTAGES

- Long-term SLR resilience.
- No net loss in parking.
- Expansion of coastal strand habitat for sensitive species near the inlet that also provides a buffer to nearby upland habitat.

### KEY DISADVANTAGES

- Higher cost than Reduced Footprint options.
- Impacts to upland habitats.
- Presence of storm water infrastructure and nearby buildings.
- Parking further away from beach access points.
- Fixed location for amenities near the lower bridge beach access point.



**OPTION 3A. CARMEL VALLEY ROAD LOT**



# POTENTIAL OPTIONS FOR MANAGED RETREAT

## Upland Relocation

### KEY ADVANTAGES

- Long-term SLR resilience.
- No net loss in parking.
- Expansion of coastal strand habitat for sensitive species near the inlet that also provides a buffer to nearby upland habitat.
- Green roof preserves visual corridors and deck with interpretive elements.

### KEY DISADVANTAGES

- Higher cost than Reduced Footprint options and Option 3A.
- Impacts to upland habitats.
- Presence of storm water infrastructure and nearby buildings.
- Parking further away from beach access points.
- Fixed location for amenities near the lower bridge beach access point.



## OPTION 3B. CARMEL VALLEY ROAD LOT WITH GREEN ROOF



# POTENTIAL OPTIONS FOR MANAGED RETREAT

## Upland Relocation

### KEY ADVANTAGES

- Long-term SLR resilience.
- No net loss in parking.
- Expansion of coastal strand habitat for sensitive species near the inlet that also provides a buffer to nearby upland habitat.
- Green roof preserves visual corridors and deck with interpretive elements.
- Shifted westward to reduce impacts to habitat and buildings.
- Provides additional access points.

### KEY DISADVANTAGES

- Higher cost than Reduced Footprint options, Option 3A and Option 3B.
- Impacts to upland habitats.
- Presence of storm water infrastructure.
- Parking further away from existing beach access points.
- Fixed location for amenities near the lower bridge beach access point.



## OPTION 3C. CARMEL VALLEY & N. TORREY PINES RD. LOT



# **RESULTS FROM BREAKOUT GROUPS**

## **Upland Relocation**

# **BREAKOUT GROUPS**

## **Offsite Relocation**



# POTENTIAL OPTIONS FOR MANAGED RETREAT

## Abandon and relocate the lot offsite

### KEY ADVANTAGES

- Long-term SLR resilience.
- Expansion of coastal strand habitat for sensitive species near the inlet that also provides a buffer to nearby upland habitat.
- Maximum ecological benefits.

### KEY DISADVANTAGES

- Loss of beach amenities and (potential) loss of ADA accessibility.
- Loss of revenue source for State Parks.
- Potential shift of parking to residential areas near the inlet.
- Finding a viable offsite location for parking and (potential) shuttle service.



## OPTION 4. ABANDON AND RENATURALIZE



# POTENTIAL OPTIONS FOR MANAGED RETREAT

Abandon and relocate the lot offsite



IDENTIFY OFFSITE LOCATIONS



# **RESULTS FROM BREAKOUT GROUPS**

## **Offsite Relocation**

# POLLING QUESTION

**Which approach do you think is best for developing a concept design for managed retreat of the North Beach Parking Lot?  
(Choose up to 2 selections)**


- A. Reduced Footprint
- B. Upland Relocation
- C. Offsite Relocation
- D. Hybrid – Reduced Footprint & Upland Relocation
- E. Hybrid – Reduced Footprint & Offsite Relocation
- F. Hybrid – Upland Relocation & Offsite Relocation





# PAST POLLING QUESTIONS

Polling questions from Public Workshop 1 are available under Managed Retreat of the North Beach Parking Lot at [lospenasquitos.org/planning/](https://lospenasquitos.org/planning/)



[Visit Us](#) [The Foundation](#) [Conservation](#) [Planning](#) [Gallery](#) [Support](#) [News](#) [Contact](#) [Donate](#)

- Recovery, protection and preservation of habitats native and historic to Los Peñasquitos Lagoon in areas that are currently hardscape and public facilities (e.g., bathrooms).
- Supports resiliency of listed birds and special status plants species by expanding essential sensitive habitat areas and buffer zones adjacent to transportation infrastructure and other urban developments.
- Improved irrigation runoff, storm water and sewage management by relocating outdated facilities and incorporating nature-based approaches such as bioswales and rain barrels.
- Supports vector management and native salt marsh habitats through improved conveyance of tidal waters under McGonigle Road.
- Potential creation of a wildlife corridor under McGonigle Road to improve accessibility and safety for wildlife moving east and west of this elevated roadway.
- Replacing hardscaped areas with native vegetation to promote carbon sequestration and heat reduction in urban areas.
- Enhanced public access through improved connectivity with beach access points and established trails, along with improved amenities (bathrooms, educational facilities).
- Enhanced public safety through establishment of supporting facilities for CSP staff that include first responders (lifeguards and rangers) and maintenance staff.

**PUBLIC WORKSHOPS**

A series of workshops will be held to solicit input from a variety of stakeholder groups as well as individual members of the public to provide insight into the perspectives and priorities of different user groups. This is being done early in the planning process to better inform the design and shape of the project and to identify opportunities to deliver a product that provides multiple benefits.

Workshop 1 was held on February 17, 2021 and provided an overview of the project and allow attendees to answer a series of polling questions to better understand how they use the North Beach Parking Lot and what additional amenities and services could be included in the future. If you were unable to attend the first workshop, you can still provide your input on the polling questions by clicking [here](#). Workshop 2 is scheduled for March 30, 2021 (6:30 pm – 8:00 pm) and will be a virtual format to allow remote attendance. The agenda for this workshop can be found by clicking on [Public Workshop 2 Agenda \(3.30.2021\)](#).



# NEXT STEPS

**Workshop 3.**  
Concept  
Review &  
Evaluation  
*April 2021*

Technical  
Analysis &  
Concept  
Refinement  
*May-July 2021*

Feasibility  
Study &  
Concept  
Design  
*August-October  
2021*

**Workshop 4.**  
Native  
American  
Consultation  
*TBD*

**Workshop 5.**  
Technical  
Analysis &  
Concept  
Refinement  
Results  
*August 2021*

**Workshop 6.**  
Feasibility  
Study &  
Concept  
Design Results  
*November 2021*



*“Unless someone like you cares a whole awful lot,  
nothing is going to be better. It’s not.”* – Dr. Suess, the Lorax

**THANK YOU!**



**Lospenasquitos.org**

Photo by M. Hastings