



Ballona Creek Trash Interceptor Pilot Project

Engineering Information Session
September 23, 2021

Agenda

1. Introductions
2. Pilot project summary
3. Project development since last public meeting
4. Placement considerations
5. Discussion
6. Next meeting

Why Are We Here?

- Follow up to June 9, 2021 community meeting
- You voiced concerns regarding the placement of the Interceptor, among other items
- Public Works further analyzed placement considerations
- Engineering Information Session



Objective Statement

Capture trash within Ballona Creek before it reaches Santa Monica Bay and limit any adverse impacts

The Ocean Cleanup

- Ballona Creek's plastic problem
- The Interceptor as a solution
- The Ocean Cleanup's global strategy
 - Ocean Plastic, River Plastic
- Minimum Performance Criteria



What are your concerns?

- Visual Disturbance
- Interceptor Placement
- Noise
- Light Pollution
- Odors/ Rodents
- Offloading Activities
- Construction Fatigue



Image of Dominican Republic Deployment

Our focus today

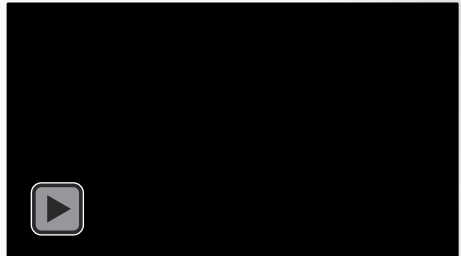
- Visual Disturbance
- Interceptor Placement
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Image of Dominican Republic Deployment



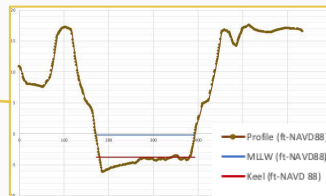
Generations



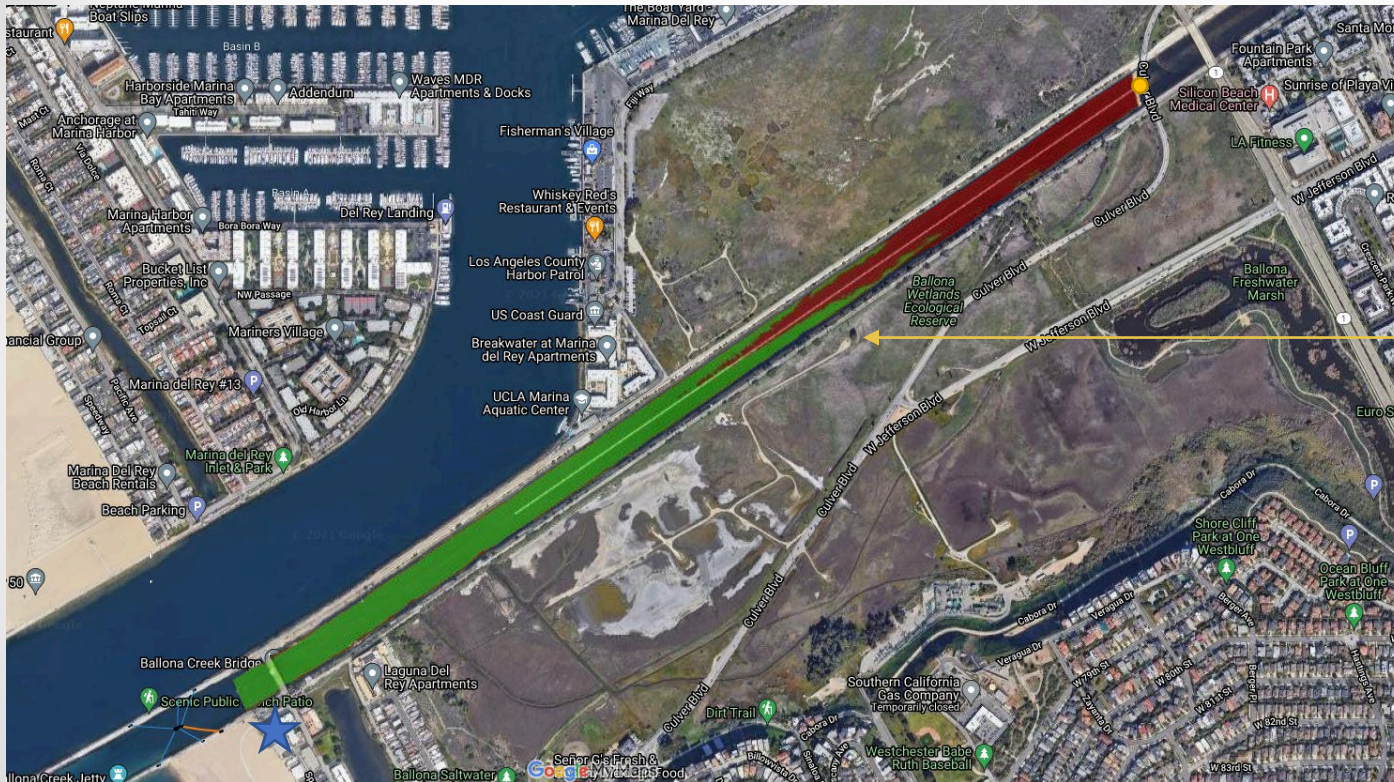
- Wave Action
 - The waves disrupt the trash barrier's ability to capture trash
- Regulatory Concerns
 - USACE maintenance zone



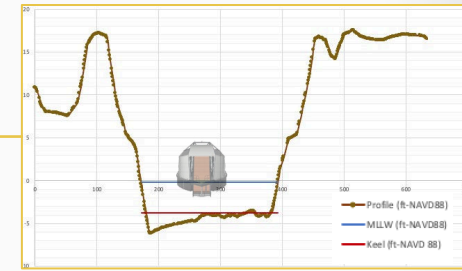
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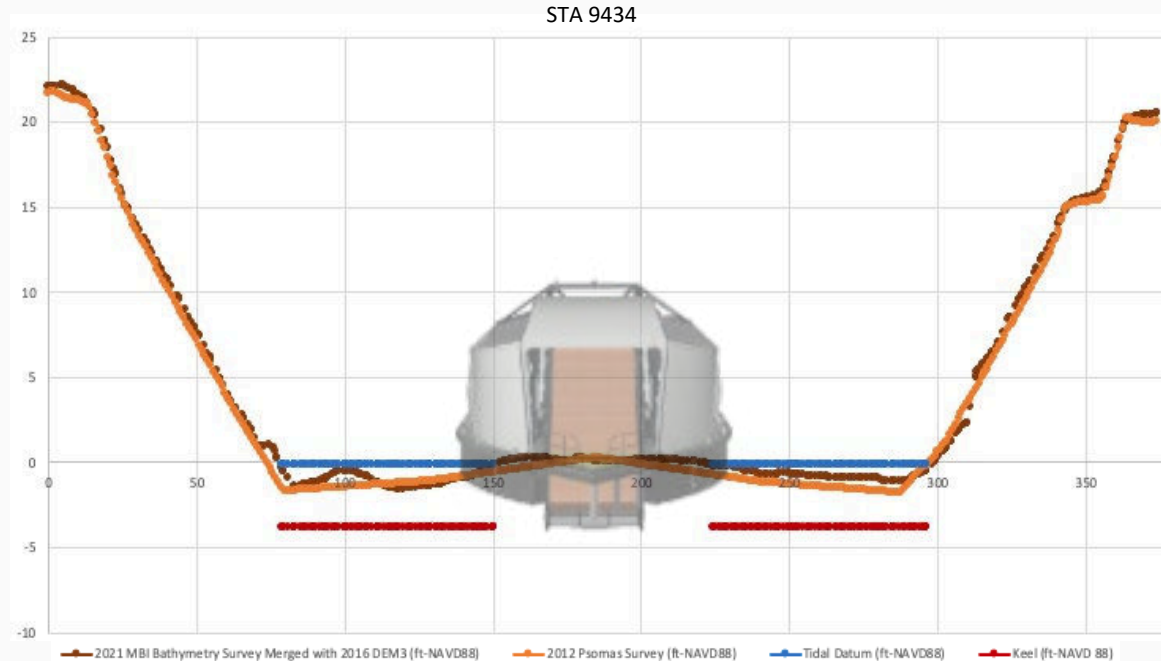
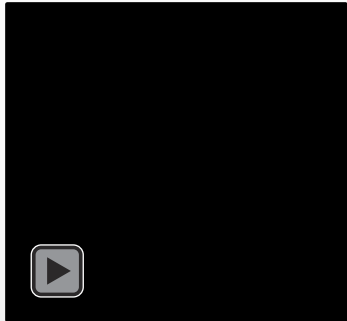
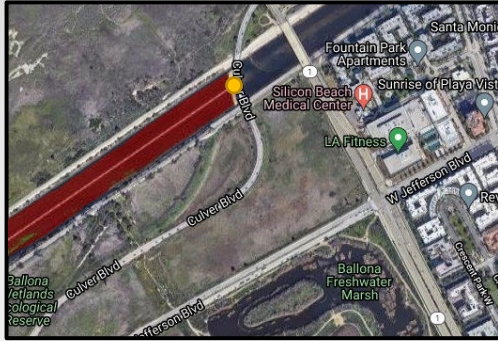
Bathymetric Information



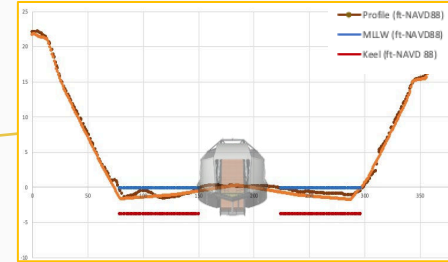
- What is bathymetric data?
 - 2012 vs. 2021
- What does the data tell us?



Bathymetric Information



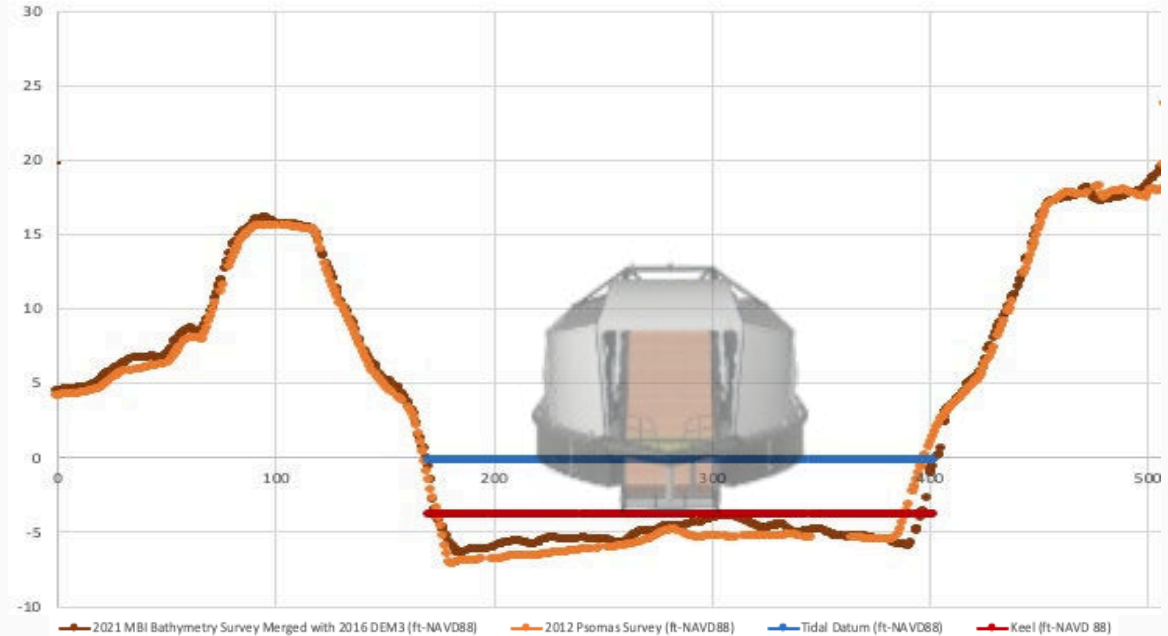
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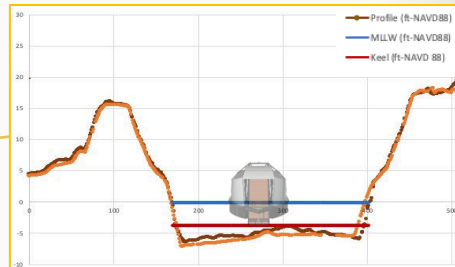
Bathymetric Information



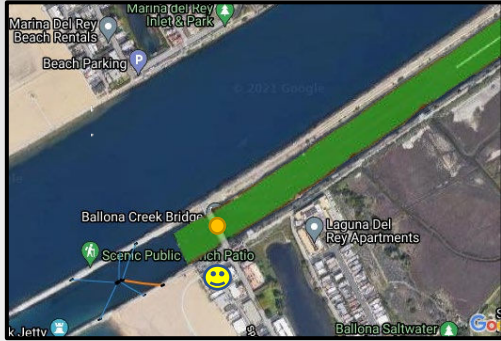
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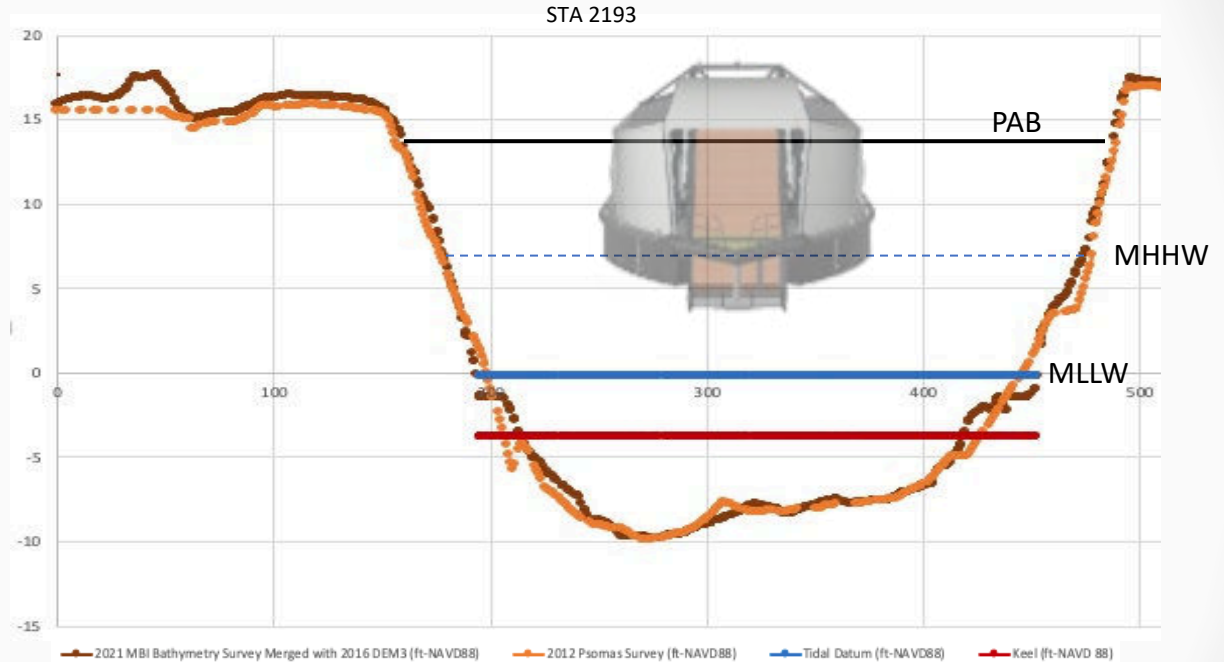
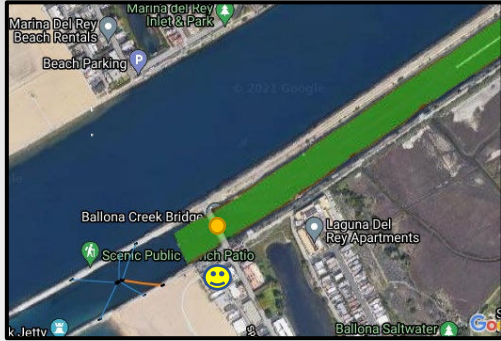
Information



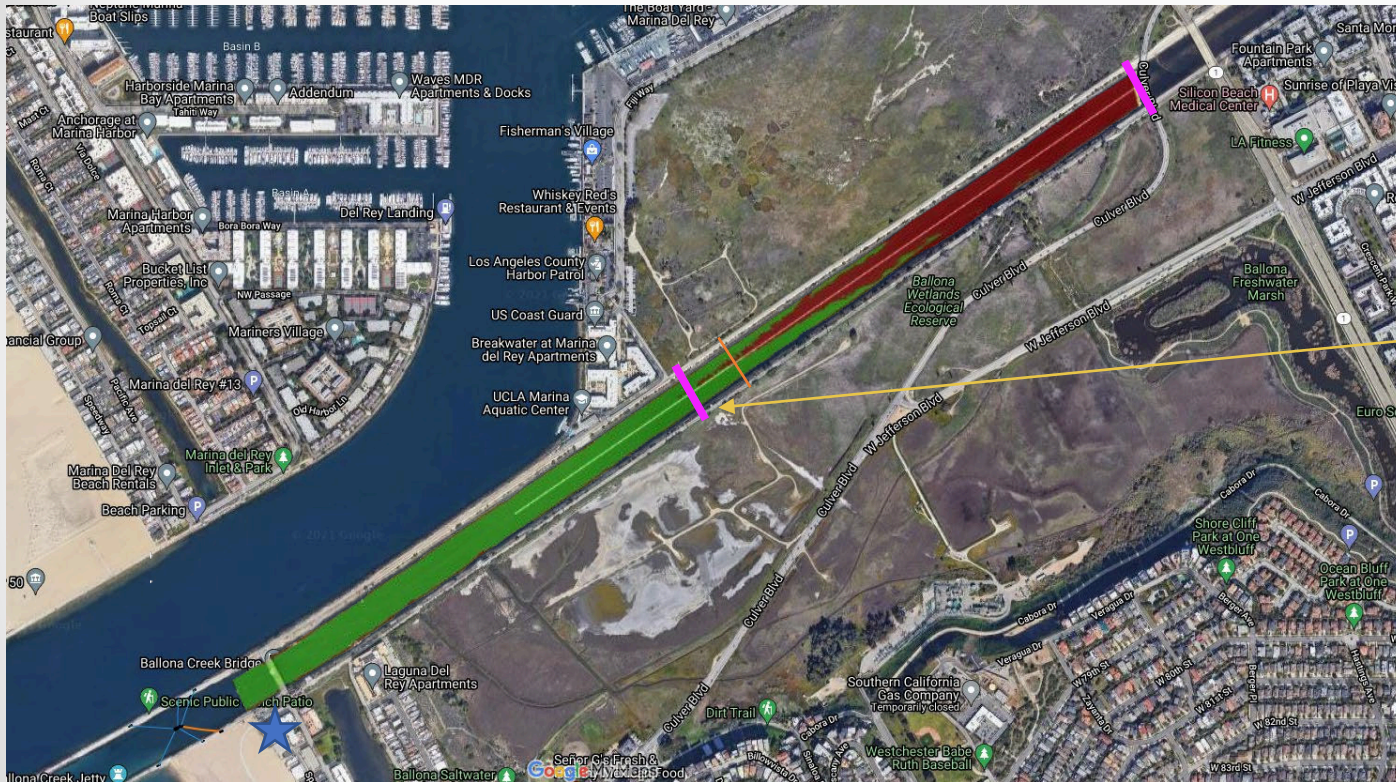
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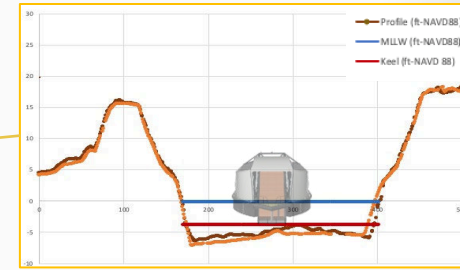
Bathymetric Information



Bathymetric Information



- The **magenta** line indicates the most upstream the Interceptor could feasibly be placed downstream based on creek elevations



- The **orange** line indicates the most feasible upstream placement point upstream based on the 2012 survey

Biological Reserve



- 600 acres
- Ecologically sensitive area
- Restoration effort led by the California Department of Fish and Wildlife (CDFW)



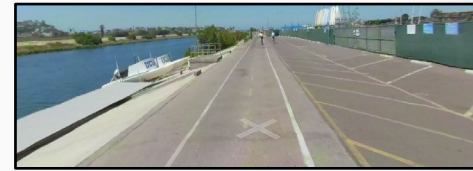
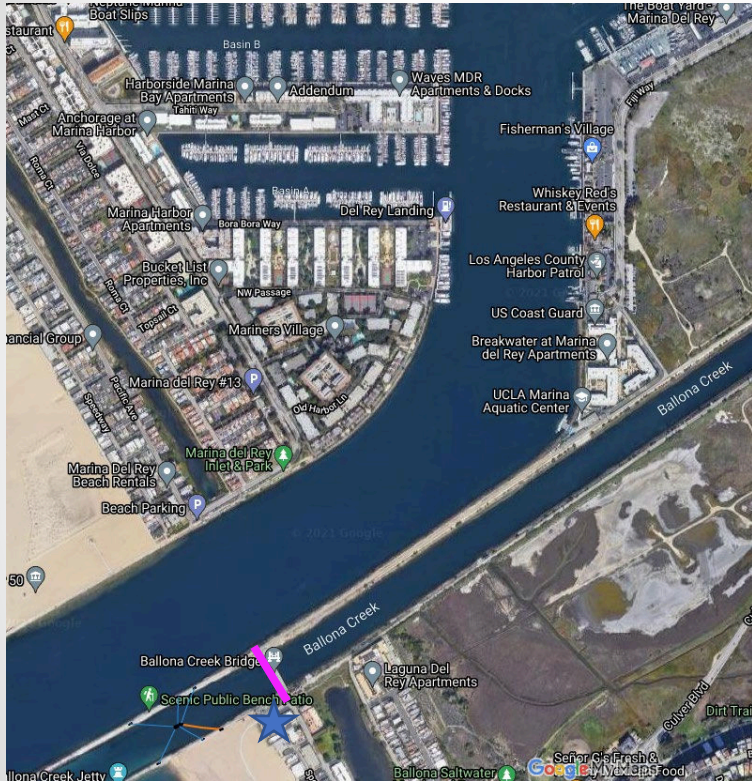
Ballona Wetlands Restoration Project



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COUNTY OF LOS ANGELES

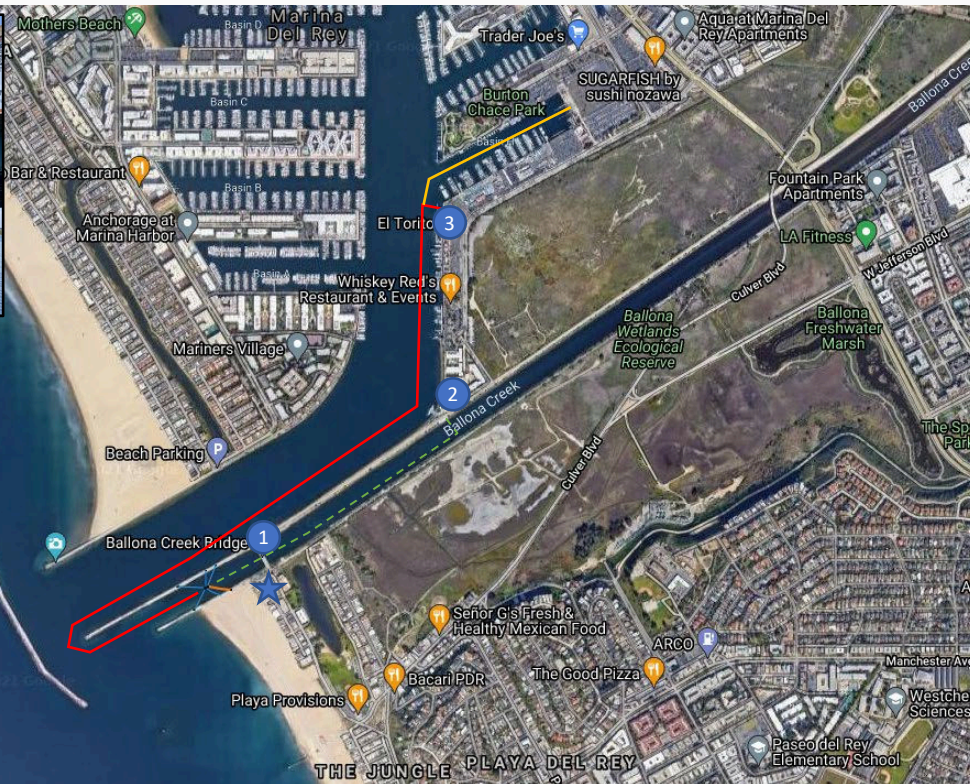
- Ballona Creek is used by UCLA, LMU, and the Marine Aquatic Center (★) rowing teams
- PW met with UCLA/LMU in August 2020

Operations & Maintenance Concerns

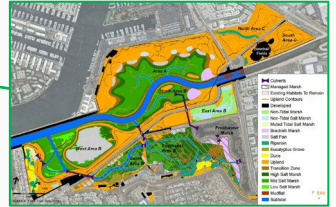
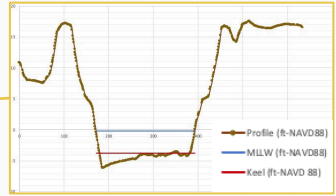


- Bridge clearance during 2020 storm season:
 - Interceptor clears PAB ~11% of the time
 - Tugboat clears under PAB ~33% of the time
- Operations/Offloading activities
- Existing recreational uses

Clearance - Maintenance Considerations



Placement Considerations (Summary)



Considerations Summary



Downstream

- ✓ Easier maintenance
- ✓ Simpler regulatory path
- ✓ Fewer operational constraints
- ✓ Preserves recreational uses

⊖ Closer to residences

Upstream

- ✓ Further away from residences

- ⊖ Operational challenges
- ⊖ Regulatory hurdles
- ⊖ Stakeholder conflicts
- ⊖ Higher flow velocity
- ⊖ Environmental Impacts

Discussion and Introductions

Questions and Contact Information

Ballona Creek Trash Interceptor Team

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<https://pw.lacounty.gov/swp/BallonaCreek/>

Next Public meeting: Week of October 25, 2021