

# Heron's Head Park Shoreline Project

## Accept California Department of Fish & Wildlife Grant

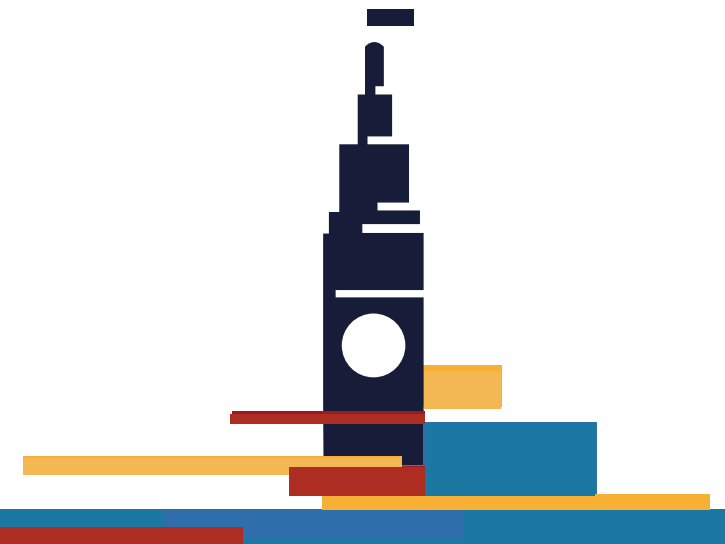
Requesting Authorization to Accept and Expend grant funds.

December 1, 2021

Presented By: Carol Bach

Environmental Affairs Manager

Port of San Francisco



# Erosion is removing valuable habitat from Herons' Head Park

**Legend**

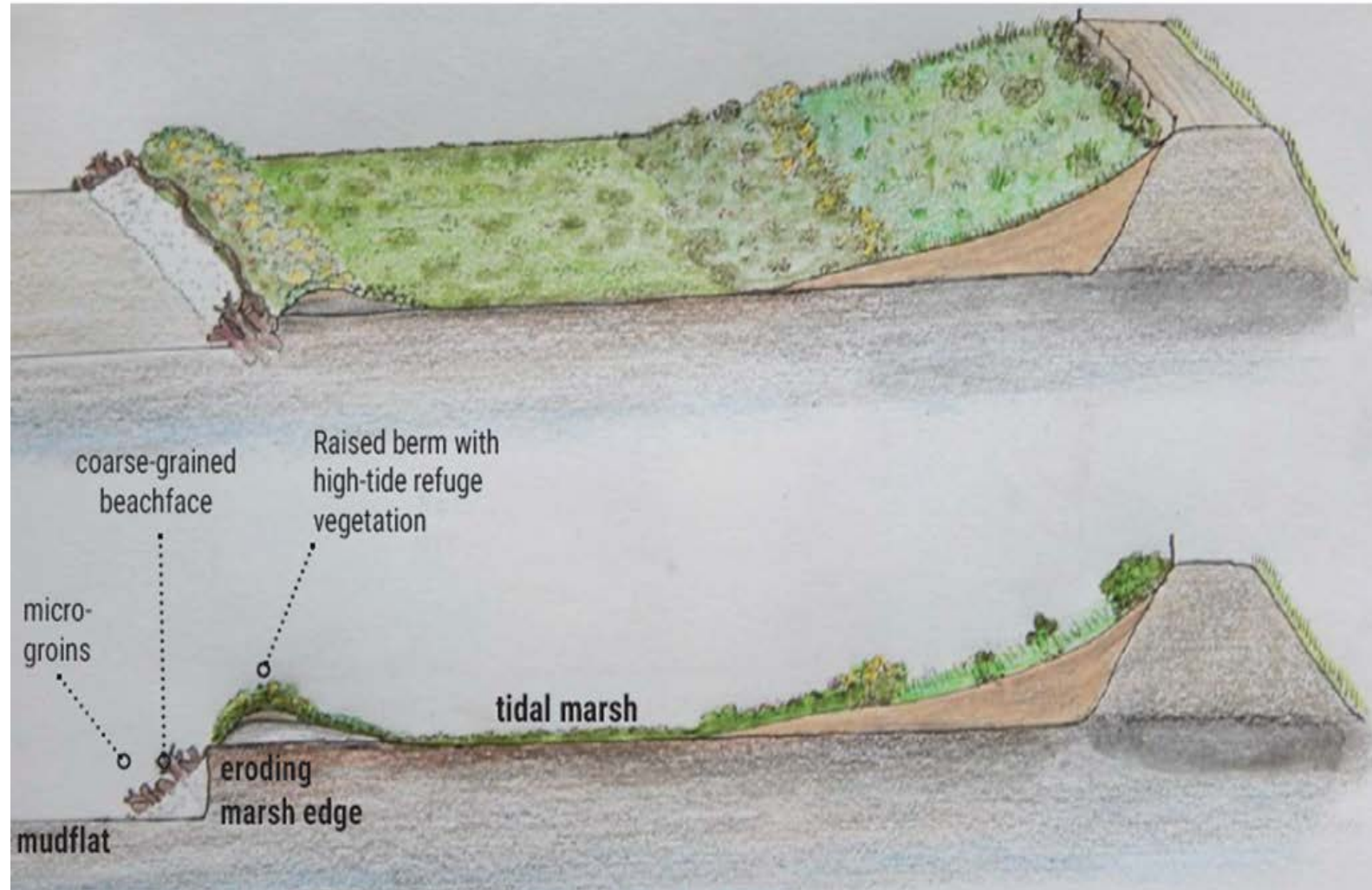
- 1999 shoreline (approx.)
- 2018 shoreline
- ..... Estimated 2050 shoreline



Wetland habitat quality is impacted by invasive species.

# Heron's Head Park Living Shoreline Project Objectives

1. Protect the southern shoreline from erosion.
2. Restore native wetland plant habitat.
3. Create capacity for adaption to sea level rise.
4. Create youth employment and community engagement opportunities.



# Heron's Head Park Living Shoreline Project Actions

1. Hire local youth to grow native plants, remove invasive plants from the marsh, replace with native species.
2. Continue for five years.
3. Construct a dynamically stable coarse beach stabilized by rock and cobble groynes.
4. Monitor outcomes and adapt as needed.



# Phasing and Funding

Scope	Schedule	Cost Estimate	Funding Status
Wetland revegetation, Phase 1	Fall 2020 through Fall 2022.	\$297,000	Funded by San Francisco Bay Restoration Authority, approved by Board of Supervisors September 30, 2020.
<b>Shoreline stabilization</b>	<b>August 2022 through January 2023.</b>	\$3,591,000	\$1,667,000 grant from OPC approved by Board of Supervisors July 13, 2021. <b>\$1,493,000 grant from CDFW: requesting approval</b> \$431,000 Port capital or non-Port source.
Wetland revegetation, Phase 2	After shoreline construction.	\$494,000	Recommended for SFBRA funding, subject to Port Commission and Board of Supervisors approval.
Post-Construction Monitoring: 5 yrs.	From completion of shoreline construction through five years.	\$310,000	Recommended for SFBRA funding, subject to Port Commission and Board of Supervisors approval.
<b>Total Estimated Project Cost</b>		<b>\$4,285,000</b>	

# California Department of Fish & Game Prop.1 Ecosystem Restoration Grant Program

CDFW approved award of \$1,493,000

- For shoreline construction
- Port Commission Approved September 14, 2021
- Subject to Board of Supervisors Approval

Grant Terms and Conditions

- Grant Term: from execution through 2023.
- Obligation to operate & maintain the shoreline and public open space for 25 years after the end of the grant term
- Indemnification and Insurance
- Acknowledgement

