

Heron's Head Park Shoreline Resilience Project

Accept & Expend Ocean Protection Council Grant

Accept Donation of Materials

Item 5. Accept and Expend Gift of Material for Beach Construction

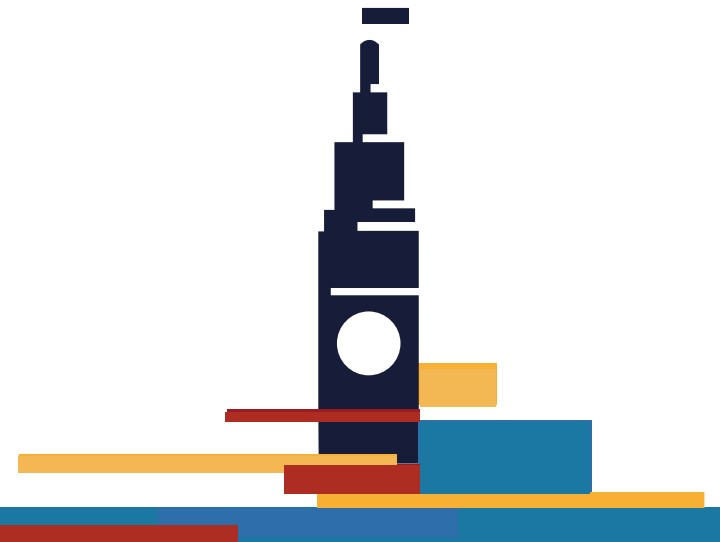
Item 6. Accept and Expend Grant from the California Ocean Protection Council.

July 1, 2021

Presented By: Carol Bach

Environmental Affairs Manager

Port of San Francisco



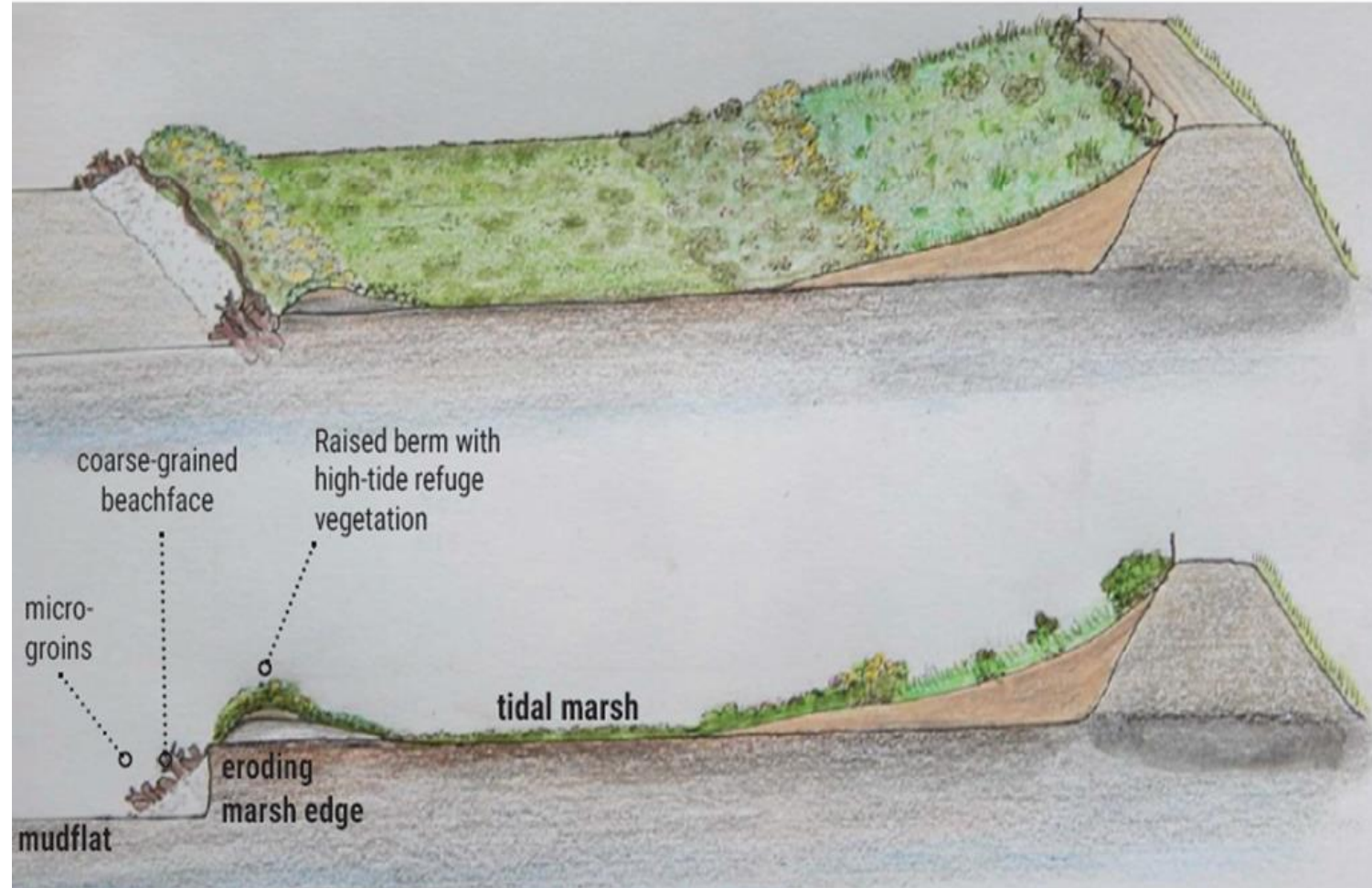
HERON'S HEAD PARK

- Constructed 1999, Includes tidal salt marsh and upland open space with trails, picnic and barbeque areas.
- The EcoCenter, created to house public programs, opened in 2015



Heron's Head Park Shoreline Resilience 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.



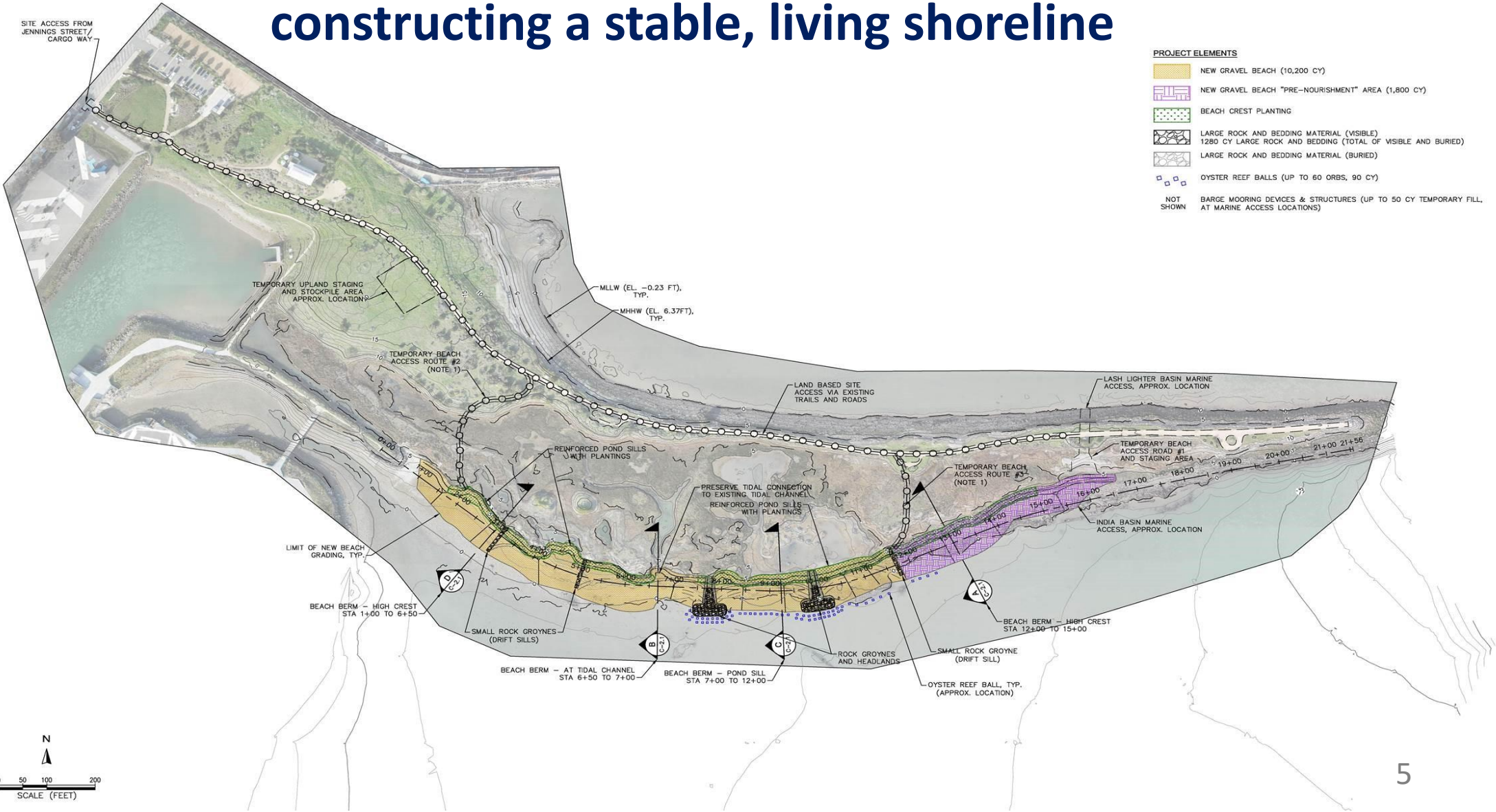
Heron's Head Park Shoreline Resilience Project

Project Elements:

- Dynamically stable sand and gravel beach.
- Oyster reef balls.
- Wetland revegetation.
- Youth employment in hands-on habitat restoration and community outreach.
- Post-construction monitoring and habitat stewardship.

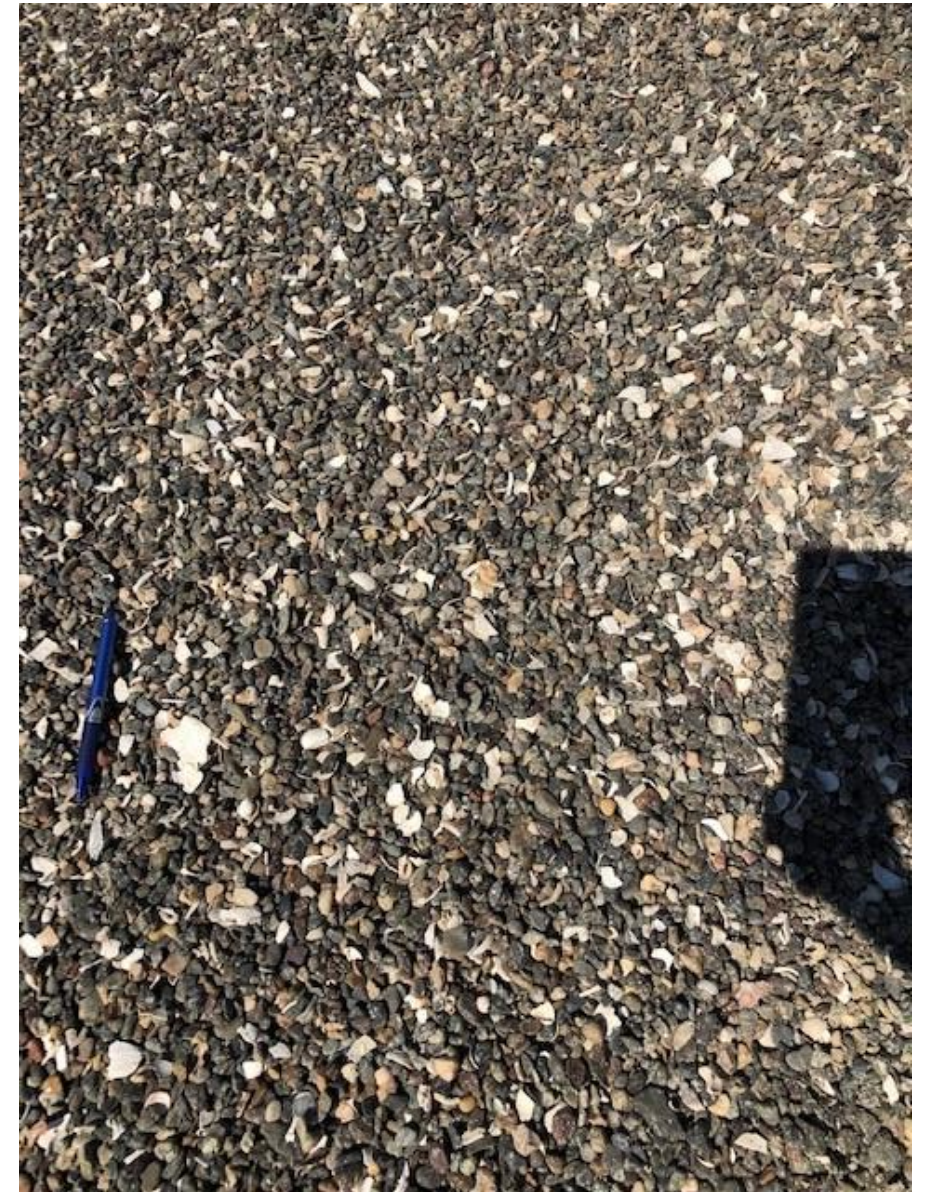


Protect southern shoreline from erosion by constructing a stable, living shoreline



Hanson Aggregates Operations

Dredged material is unloaded at the “Pier 92 San Yard”, washed, and sorted.





OCEAN PROTECTION COUNCIL - COASTAL RESILIENCE PROGRAM

OPC approved award of \$1,667,000

- For partial funding of shoreline construction
- Subject to Port Commission Approval
- Subject to Board of Supervisors Approval

Grant Terms and Conditions Include:

- Obligation to monitor maintain through Grant Term of 4 years
- Indemnification and Insurance
- Acknowledgement



Project Phases, Funding and Next Steps

Scope	Schedule	Budget	Funding Status
Wetland habitat restoration Phase 1	Fall 2020 through Fall 2022.	\$297,000	Funded by San Francisco Bay Restoration Authority
Shoreline Construction	August 2022 - January 2023	\$3,160,000	\$1,667,000 award approved by Ocean Protection Council, subject to Board of Supervisors approval.
			\$1,493,000 recommended for award by the California Dept. of Fish & Wildlife, subject to Port Commission and Board of Supervisors approval.
Wetland habitat restoration Phase 2	After shoreline construction	\$493,000	Recommended for funding, subject to SFBRA Board, Port Commission, Board of Supervisors approval.
Post-Construction Monitoring: five years	Start at completion of shoreline construction, continue for five years.	\$310,000	Recommended SFBRA funding, subject to SFBRA Board, Port Commission and Board of Supervisors approval.
Total Estimated Project Budget		\$4,260,000	