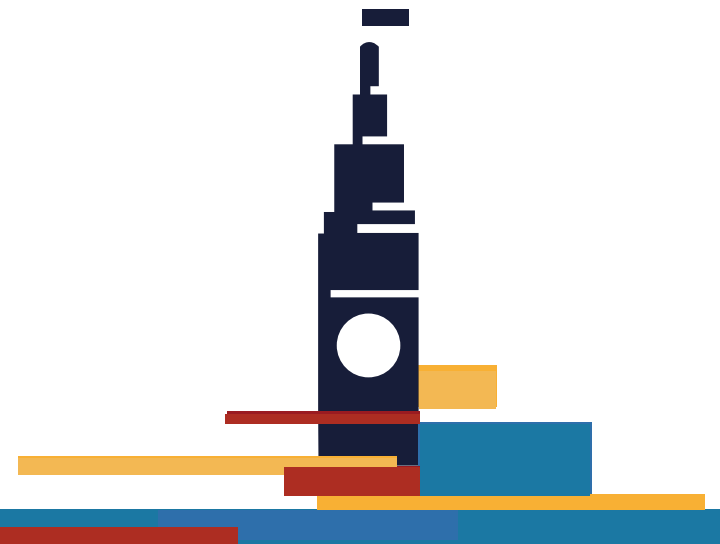


Heron's Head Park Shoreline Resilience Project

Port of San Francisco Southern Advisory Committee
January 26, 2022

Presented By: Carol Bach
Environmental Affairs Manager



Erosion is removing valuable habitat from Herons' Head Park

Legend

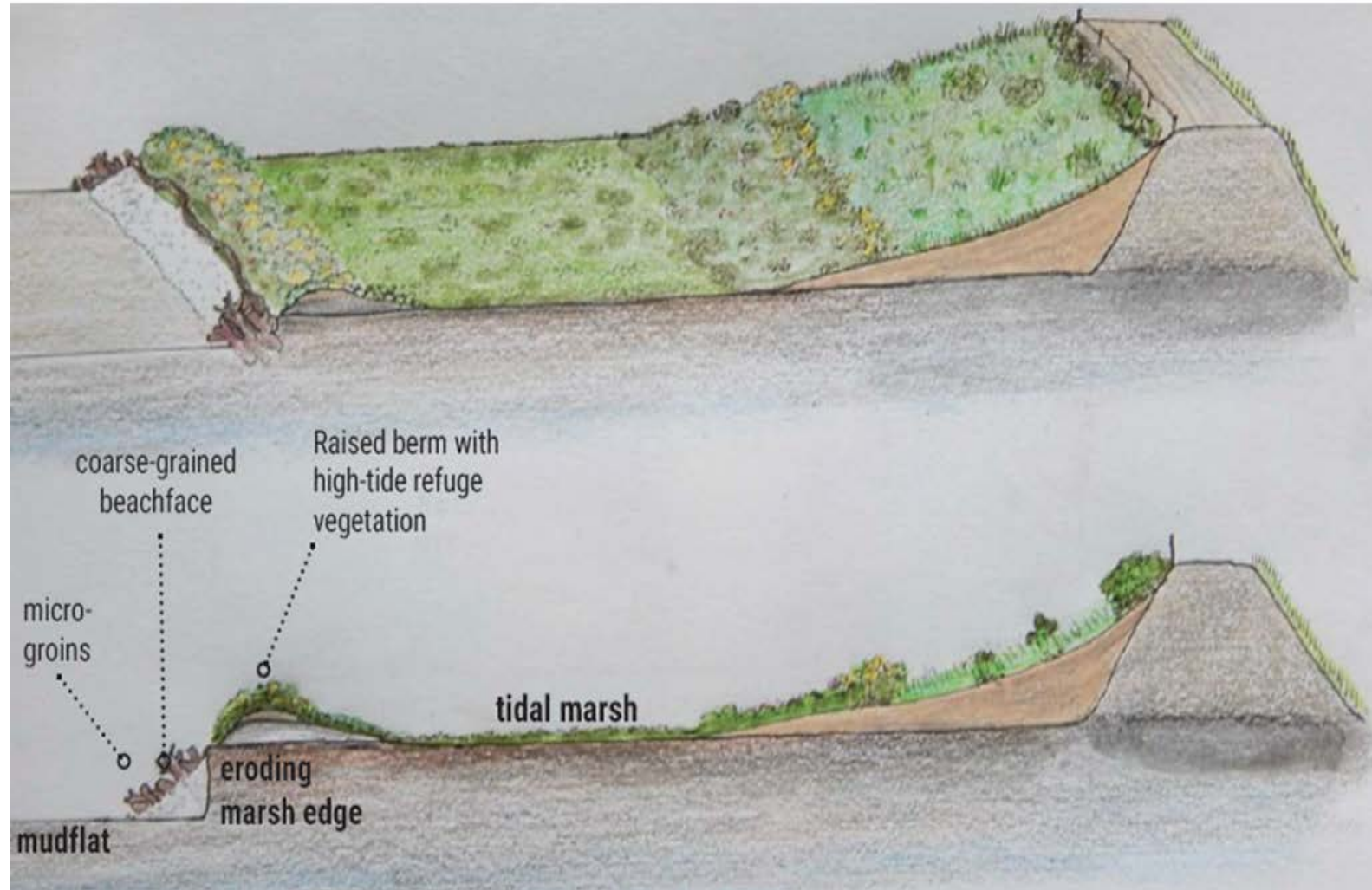
- 1999 shoreline (approx.)
- 2018 shoreline
- Estimated 2050 shoreline



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.

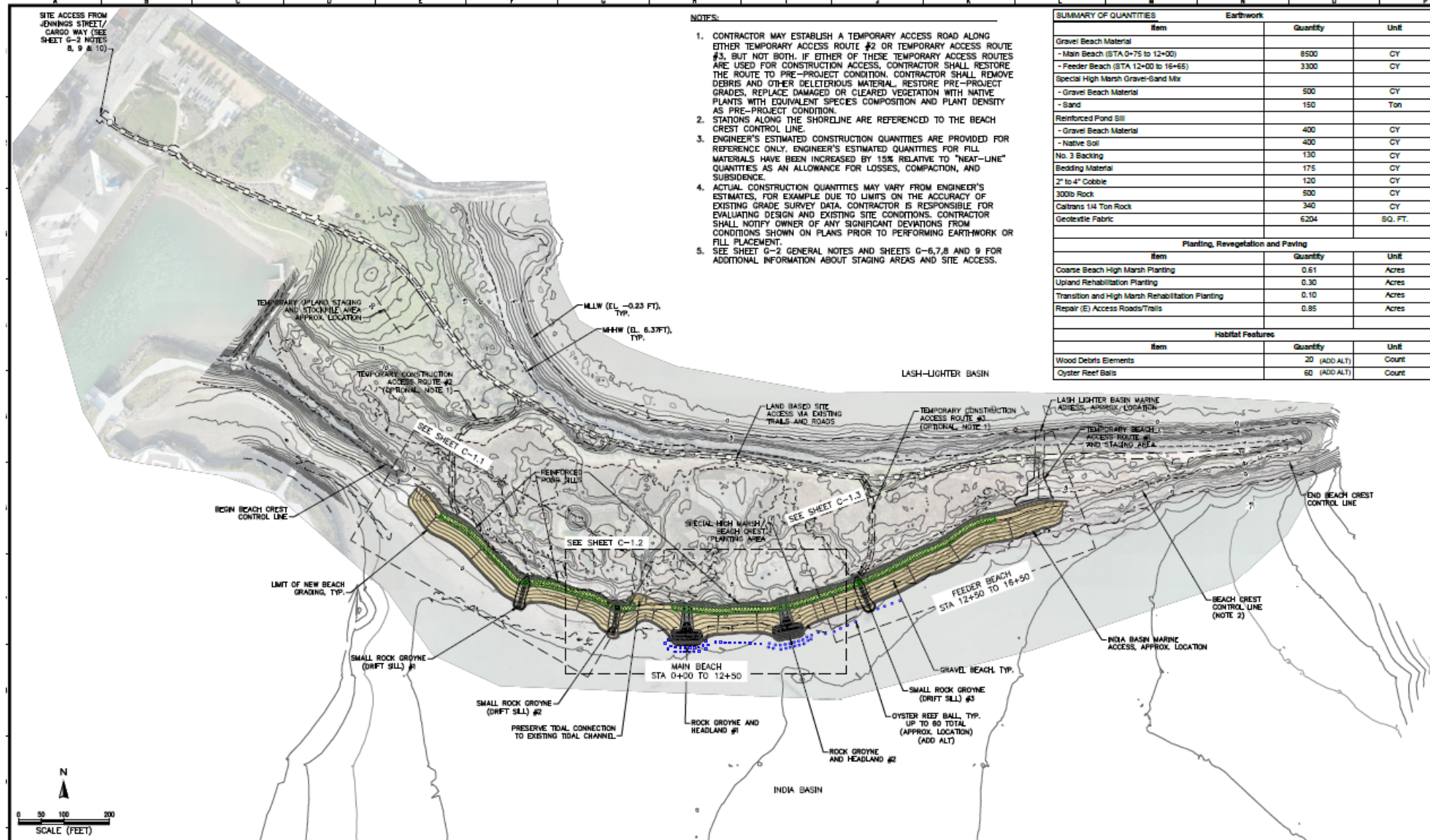


Phasing and Funding

| Scope | Schedule | Cost Est. | Funding Status |
|--------------------------------------|-------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wetland revegetation, Phase 1 | Fall 2020 through Fall 2022. | \$297,000 | Funded by San Francisco Bay Restoration Authority. |
| Shoreline Construction | August 2022 through January 2023. | \$3,591,000 | Funded by Prop. 68 through the Ocean Protection Council, Prop.1 through the California Department of Fish & Wildlife, and the National Wetlands Coastal Conservation Program through the California State Coastal Conservancy. |
| Wetland revegetation, Phase 2 | After shoreline construction. | \$494,000 | Recommended for SFBRA funding for 3 additional years after construction. |
| Post-Construction Monitoring: 5 yrs. | From completion of shoreline construction through 10 years. | \$310,000 | Recommended for SFBRA funding, subject to Port Commission and Board of Supervisors approval. |
| Total Estimated Project Cost | | \$4,285,000 | |

Shoreline Stabilization Construction Scope

- Deliver imported sand, gravel, cobble, rock by truck or barge.
- Install gravel beach, rock structures, and habitat features along the south shoreline of Heron's Head Park.
- Restore path and plantings.



Anticipated Contracting Process

February: Advertise the construction contract and host pre-bid meeting. Outreach to SF LBEs and State DBE's. Federal funding rules prohibit use of LBE or DBE preferences or subcontracting goals.

March: Open bids

April: Award contract

August: Contractor may begin staging equipment to break ground in September



Construction Impacts



- Access to EcoCenter to remain open
- - - Trail Closure expected, construction access route
- █ Contractor staging and work area, area closed to public
- - - Certain trails can be accessed from the south

Closures expected **August 2022 through January 2023**.
Parking lot, dog park, picnic area, and EcoCenter to remain open.