SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT

BCDC COMMISSION MEETING
11.05.2026

1. Current Conditions
2. Remediation Overview
3. Public Engagement
4. Marina Improvements Overview
5. Public Access Overview
6. Project Permits & Authorizations

SF RPD TEAM
MARINA RENOVATION LEAD

San Francisco Recreation & Park Department
Kelli Rudnick, Deputy Director of Capital
Monica Scott, PLA, Project Manager
Scott Grindy, Harbor Master

Moffatt and Nichol - Marina Design
Richard Dornhelm, PE, Project Manager
Ashley Chilka, PE, Senior Engineer

Field Operations - Landscape Architect
Veronica Rivera, PLA, Associate Partner
Anson Wong, Associate

PG&E TEAM
REMEDIATION LEAD

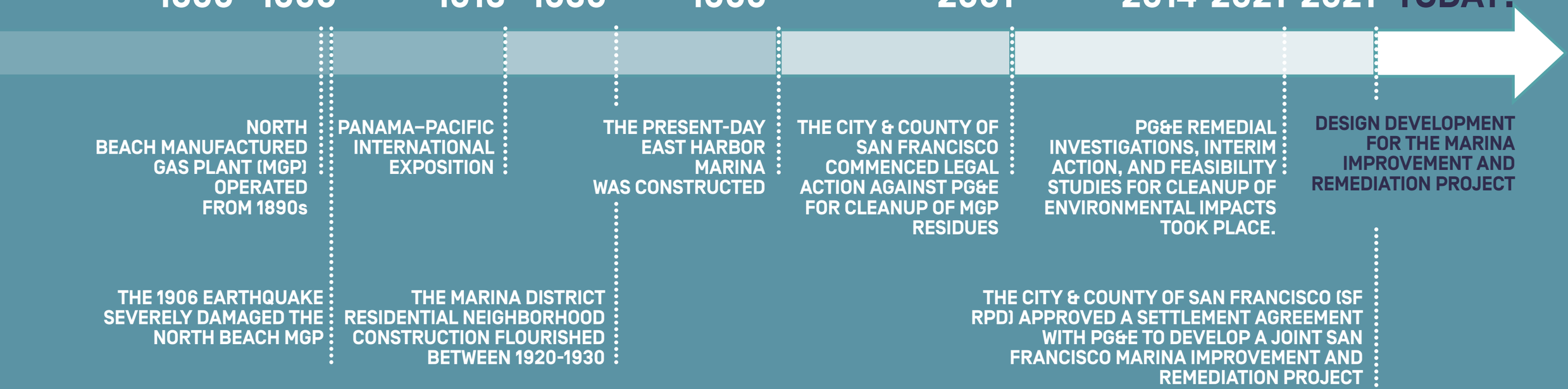
Pacific Gas & Electric (PG&E)
Brenda McConathy, Manager
Ryan Mattson, PE, Project Manager

Haley & Aldrich, Inc. - Remedy Design
Ryan Scott, PE, Remedy Lead Engineer

Integral Consulting Inc.
Paula Gill, Principal

Terra Pacific Group
Max Reyhani, PE, Principal

PROJECT TEAM
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT



SITE HISTORY
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT

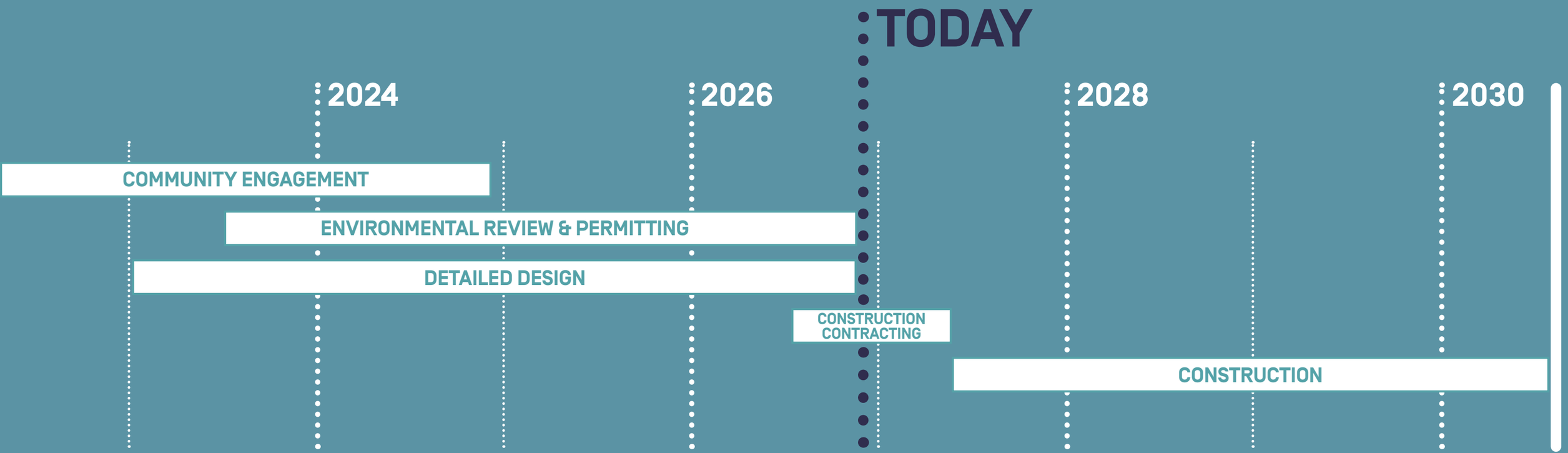
Environmental Remediation

Increased Public Access & Amenities

+

Fiscally Sustainable Marina

PROJECT GOALS
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT

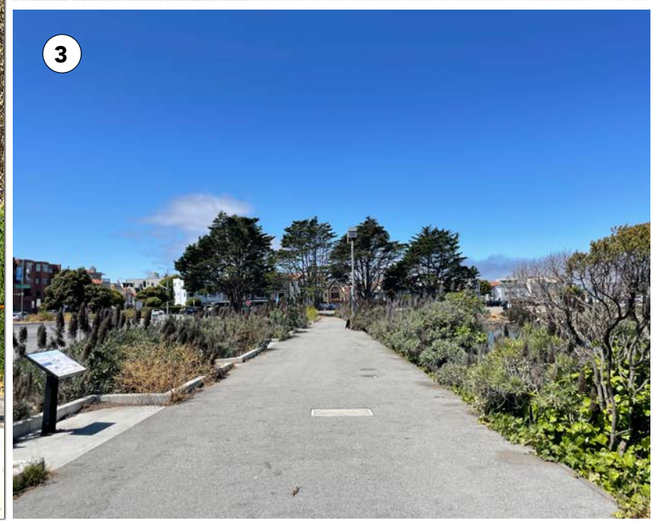


PROJECT SCHEDULE
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT







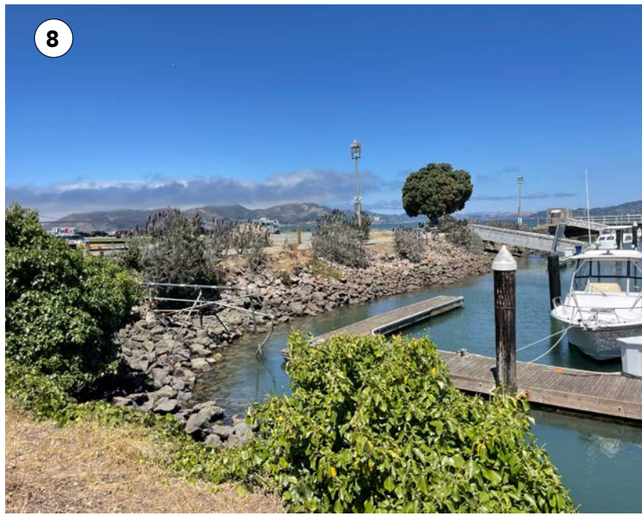












CURRENT CONDITIONS
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT

TODAY

2014 2017 2020 2023 2026 2029

EH INVESTIGATIONS & IRM

WATER BOARD OVERSIGHT BEGINS

OEH INVESTIGATIONS

WATER BOARD ORDERS OEH INVESTIGATIONS BEGINS

EH & OEH: FEASIBILITY STUDIES (FS) / ALTERNATIVE ANALYSIS

FS PUBLIC COMMENT & MEETING

EH & OEH: REMEDIAL ACTION PLAN

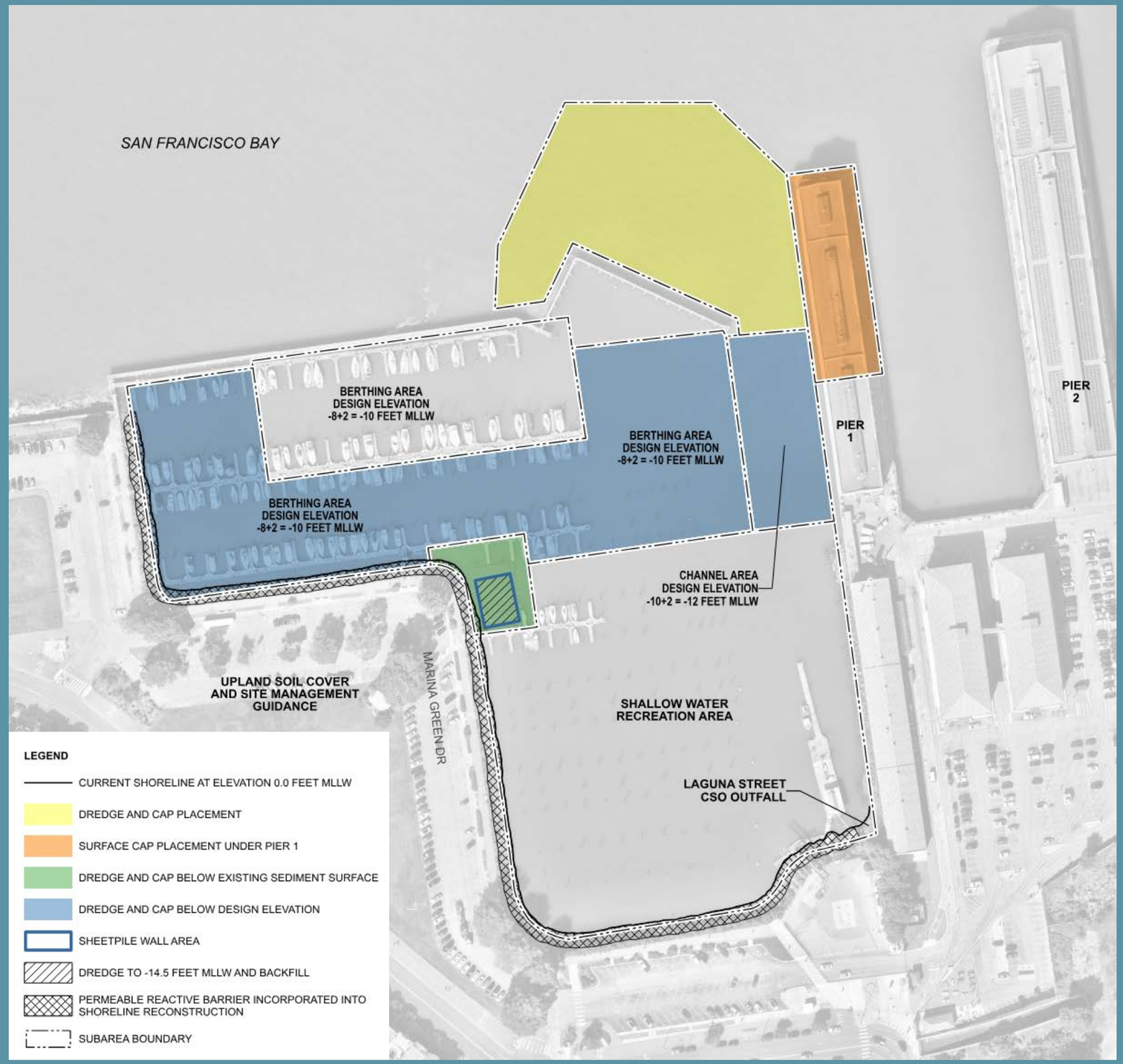
RAP PUBLIC COMMENTS

IN-WATER WORK SEASON (2027 & 2028)

2026 EOY ISSUE ORDER FOR EAST HARBOR

2027 Q1 ISSUE ORDER OUTSIDE OF EAST HARBOR

REMEDIATION TIMELINE
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT

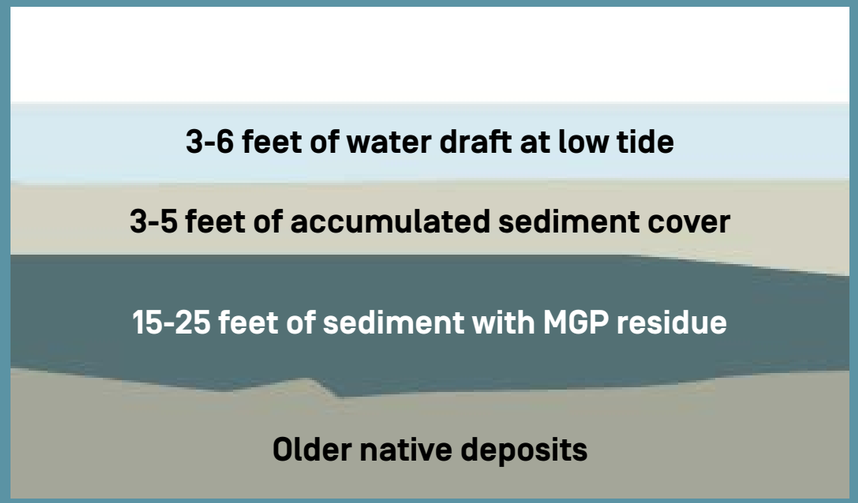




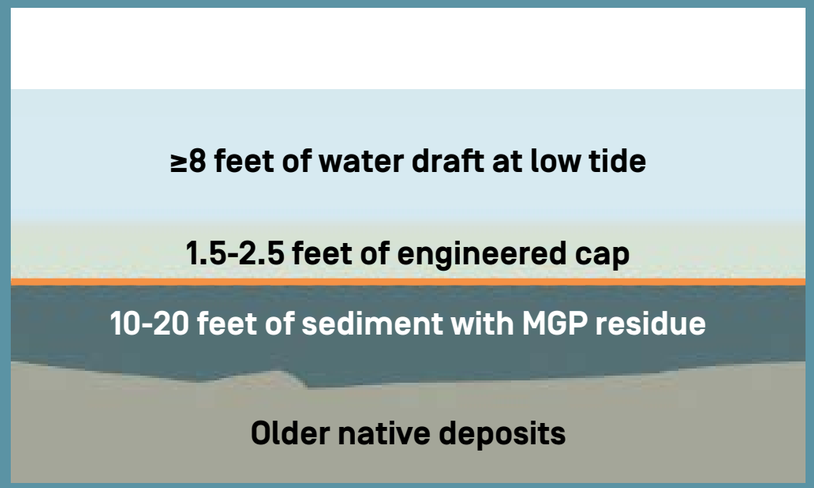
- Dredge and transport contaminated sediment via barge to material handling facility for preparation for landfill disposal

- Dredge and transport clean sediment via barge for beneficial reuse at DMMO approved location

EXISTING CONDITIONS
(EAST HARBOR MARINA)

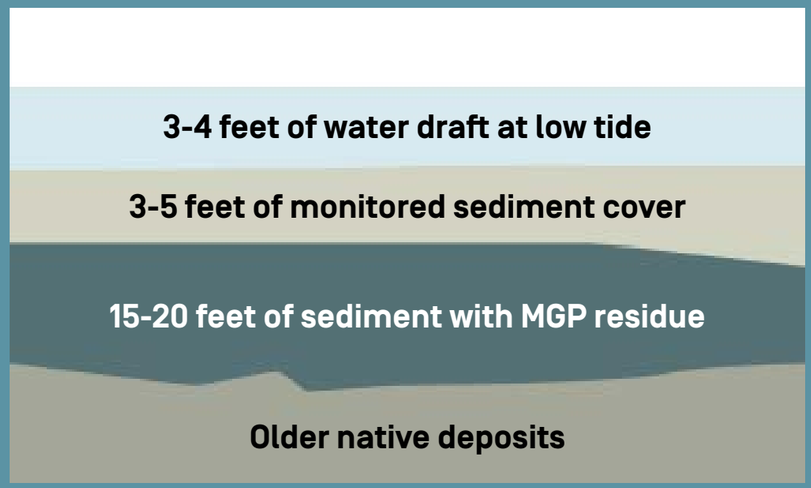


NORTHERN MARINA AREA:
ENGINEERED CAP



Dredging depth

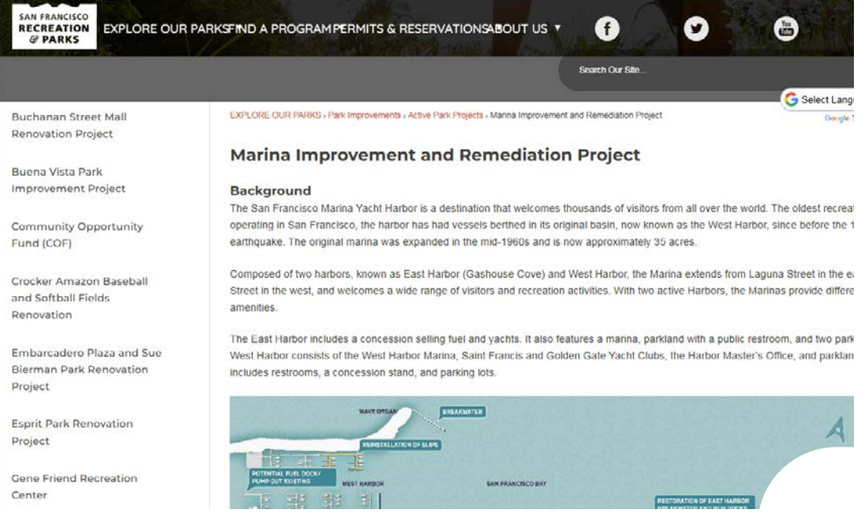
SOUTHERN RECREATION AREA:
MONITORED SEDIMENT COVER

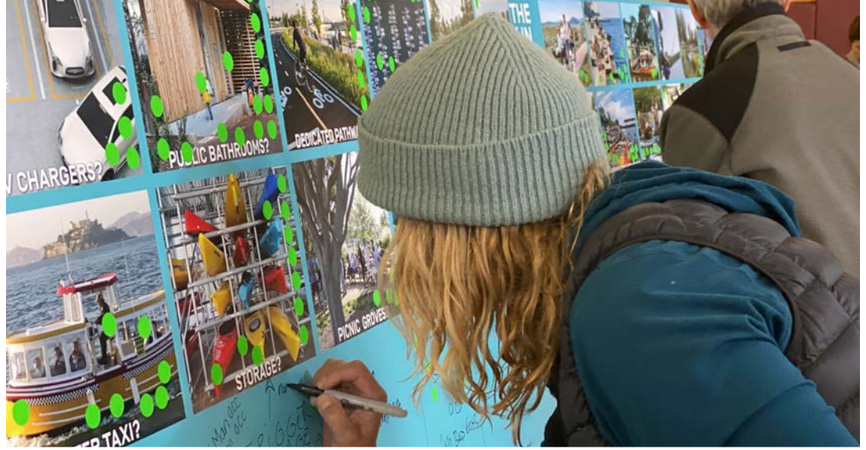


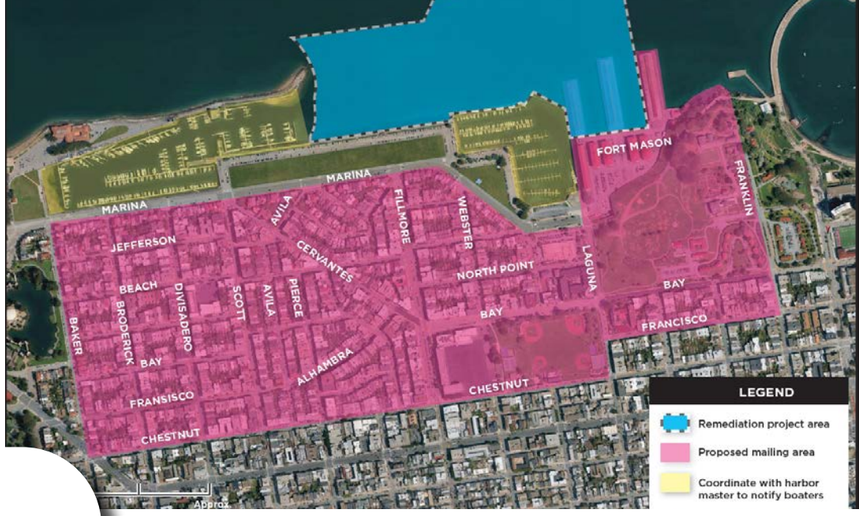
BEFORE & AFTER REMEDIATION CONDITIONS
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT



EXISTING CONDITIONS
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT









1 PROJECT WEBSITE
16 SOCIAL MEDIA POSTINGS
5 COMMUNITY MEETINGS
436 ATTENDEES
2 ONLINE SURVEYS
825 SURVEY RESPONSES
1,000' RADIUS PHYSICAL MAILING LIST
900+ DIGITAL MAILING LIST
1 WATER BOARD PUBLIC MEETING







PUBLIC ENGAGEMENT
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT

"WE DON'T WANT TO THINGS TO CHANGE TOO MUCH, KEEP OUR VIEWS TO THE BAY!"

“WE APPRECIATE FOR THE WIDE VARIETY OF SPACES. BUT ASK FOR MORE OPEN SPACES FOR WILDLIFE.”

“...CONCERNED ABOUT THE SINGLE WAY IN AND OUT OF THE AREA”

MAKE SURE WHATEVER YOU DO WILL BE MAINTAINED

“THERE IS A LOT OF FUN TO BE HAD IN THIS AREA.”

"PROVIDE WAYS TO GET DOWN TO THE WATER"

“GARDENS AND PARKS ON WATERFRONT.”

WE DON'T WANT TO SEE MORE PARKING FROM OUR HOUSE, KEEP THE TREES

“BOAT OWNERS NEED FACILITIES, PARTICULARLY FOR BOAT OWNERS WHO GET SOAKED WHILE BOATING IN THE BAY, ESPECIALLY SAILORS. SAILBOATS DO NOT HAVE A BUILT-IN SHOWER.”

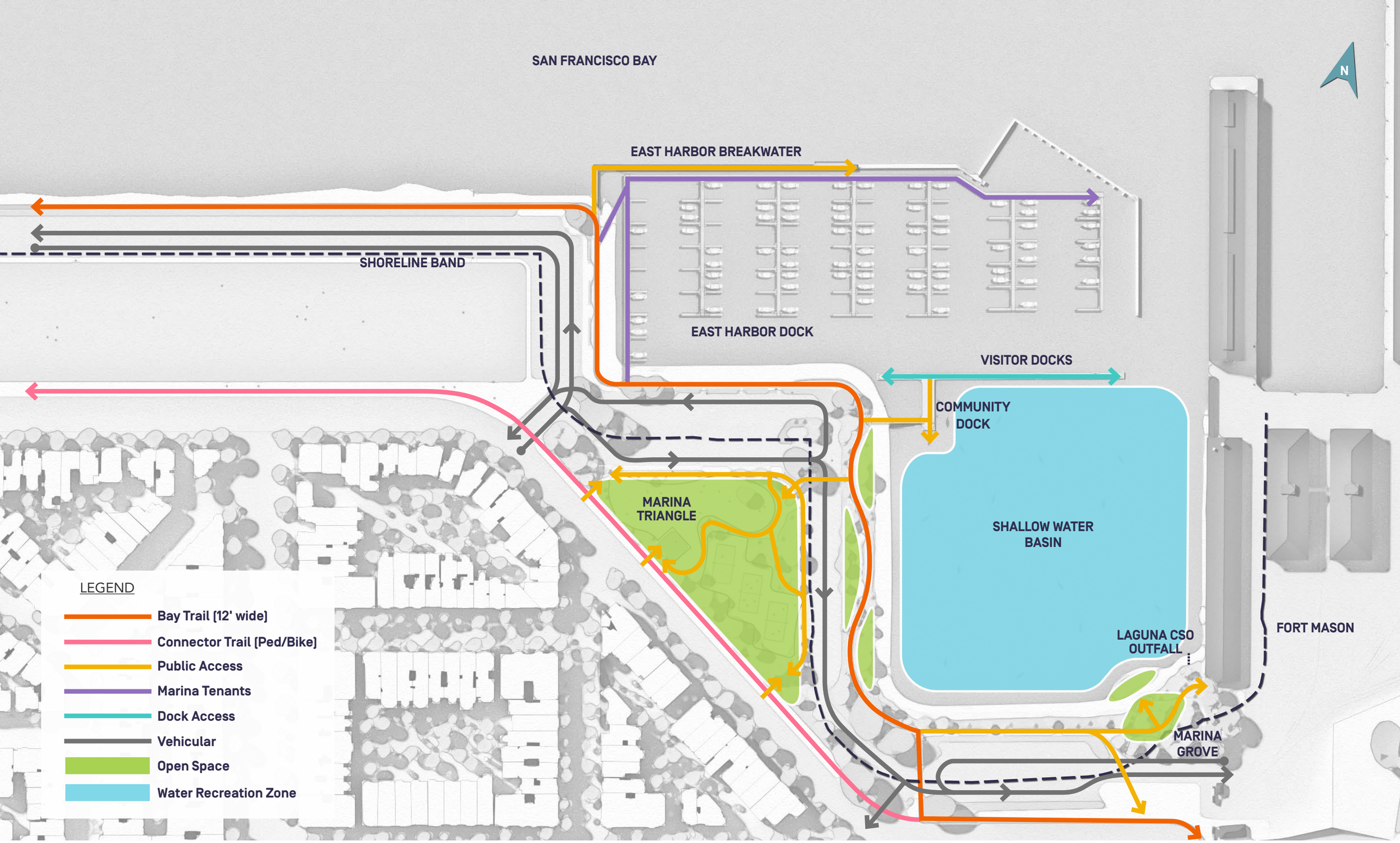
"WE NEED PLACES TO SIT, AND EAT ON SOCCER DAYS"

"WE WANT VOLLEYBALL COURTS HERE."

COMMUNITY FEEDBACK
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT



MARINA IMPROVEMENTS OVERVIEW
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT



PUBLIC ACCESS OVERVIEW
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT









SAN FRANCISCO BAY

N

SF BAY

EAST HARBOR BREAKWATER

SHORELINE BAND

EAST HARBOR

EAST HARBOR DOCK

VISITOR DOCKS

COMMUNITY
DOCK

WATER BASIN

MARINA
TRIANGLE

SHALLOW WATER
BASIN

FORT MASON

LAGUNA CSO
OUTFALL

FORT MASON

TIDAL GARDENS

MARINA
GROVE

OPEN SPACE & VIEW CORRIDORS
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT









SAN FRANCISCO BAY

N

EAST HARBOR BREAKWATER

SHORELINE BAND

EAST HARBOR DOCK

VISITOR DOCKS

COMMUNITY DOCK

MARINA TRIANGLE

SHALLOW WATER BASIN

LAGUNA CSO OUTFALL

FORT MASON

MARINA GROVE

SHALLOW WATER BASIN IN-WATER ACTIVITIES
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT

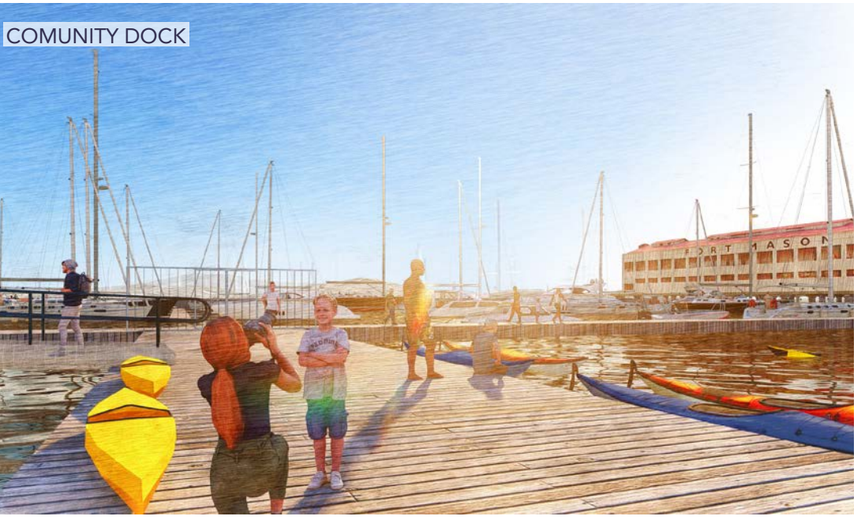


SITE PLAN
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT



















DESIGN VISION
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT



COASTAL GARDEN

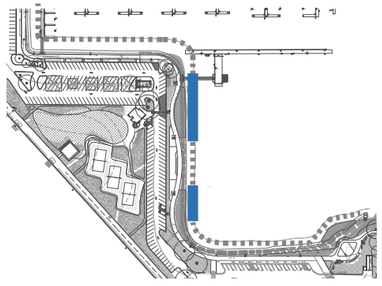


BIOLOGICALLY ENHANCED ROCK SLOPE (TIDAL POOL UNITS)



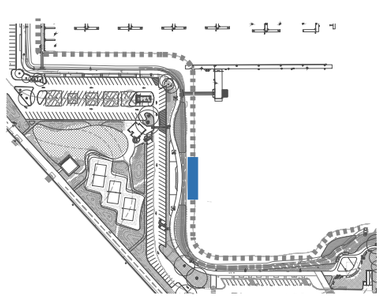
TIDAL GARDEN





SITE SECTION: COASTAL GARDENS
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT





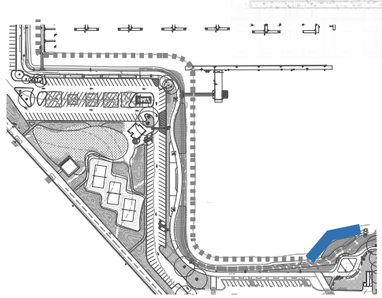
SITE SECTION: BIOLOGICALLY ENHANCED ROCK SLOPE (TIDAL POOL UNITS)
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT



EXISTING SECTION



PROPOSED SECTION



SITE SECTION: TIDAL GARDEN
SAN FRANCISCO MARINA IMPROVEMENT & REMEDIATION PROJECT

State & Federal Environmental Permits & Authorizations

Issued:

- U.S. Fish and Wildlife Service - Biological Opinion
- S.F. Bay Regional Water Quality Control Board - 401 Certification

Pending:

- National Marine Fisheries Service - Biological Opinion (for signature)
- Marine Mammal Incidental Harassment Authorization
- California Department of Fish and Wildlife - Incidental Take Permit
- U.S. Army Corps of Engineers - Individual Permit (requires BCDC to be completed)

Environmental Protections

- Water Quality Control
  - » Turbidity Curtain and Monitoring during remediation dredge
- Work Windows
  - » Dredging, Capping, and Impact pile driving limited to between June 1 and November 30
  - » Limited mobilization and vibratory pile installation and removal March 15 to November 30
  - » No in-water work December 1 through March 15
- Marine Mammal Monitoring
  - » NOAA approved Monitoring and Exclusion Zones
- Best Management Practices







- A long-term beneficial project through remediation
- Minimized area of Bay waters loss
- Incorporation of Nature-based Solutions (tide pool units, coastal garden, and tidal garden)
- Increased Bay volume more material removed than placed
- Marina Infrastructure and Public Access Improvement
- Approved by the Design Review Board
- Public engagement from design through construction

THANK YOU