

Hayward Regional Shoreline Restore Hayward Marsh PUBLIC WORKSHOP

10/26/21

AGENDA

- Introduction and Welcome
- History and Background
- Project Concepts
- Question/Answer
- Survey Questions, Comment Cards, Next Steps



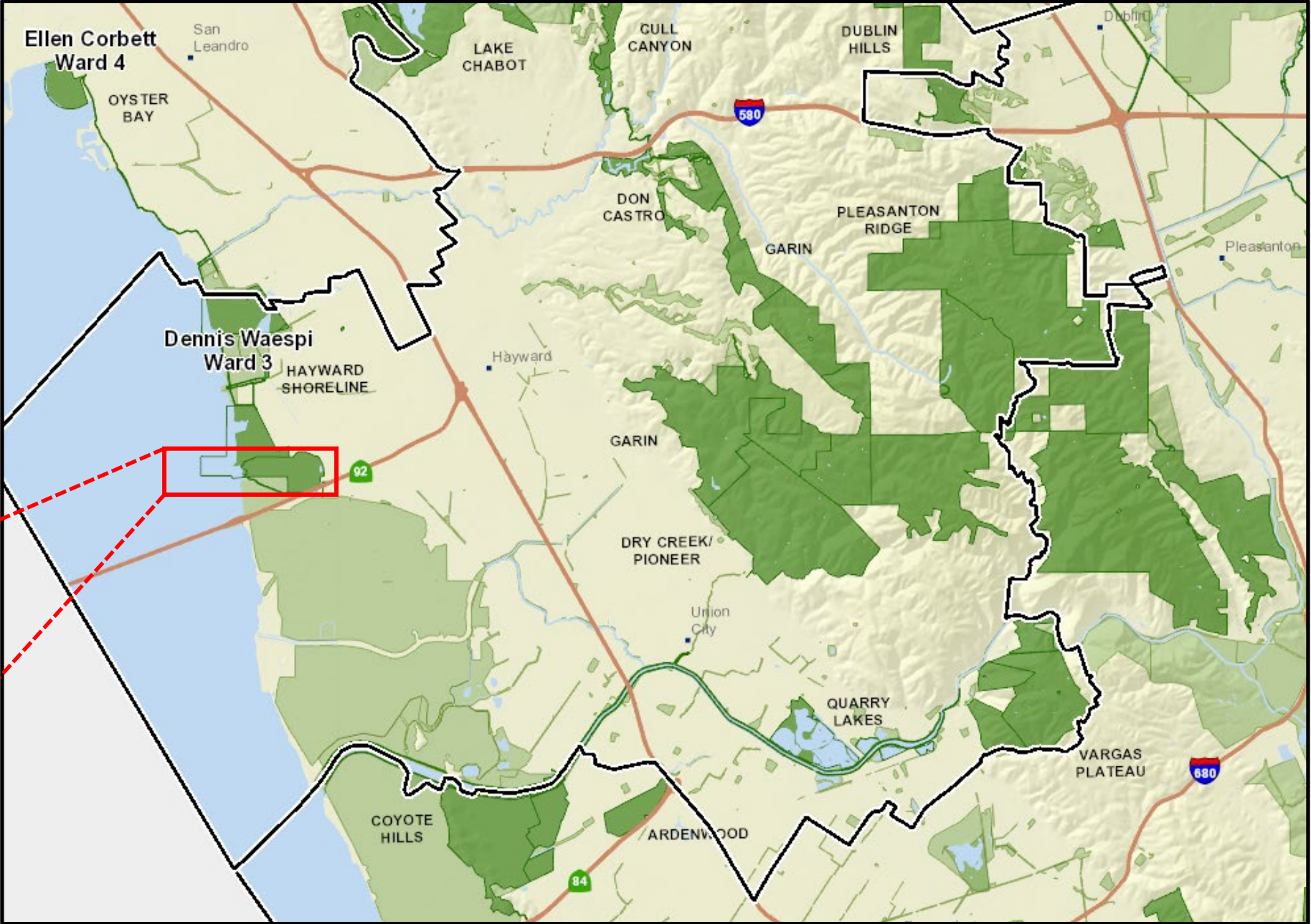
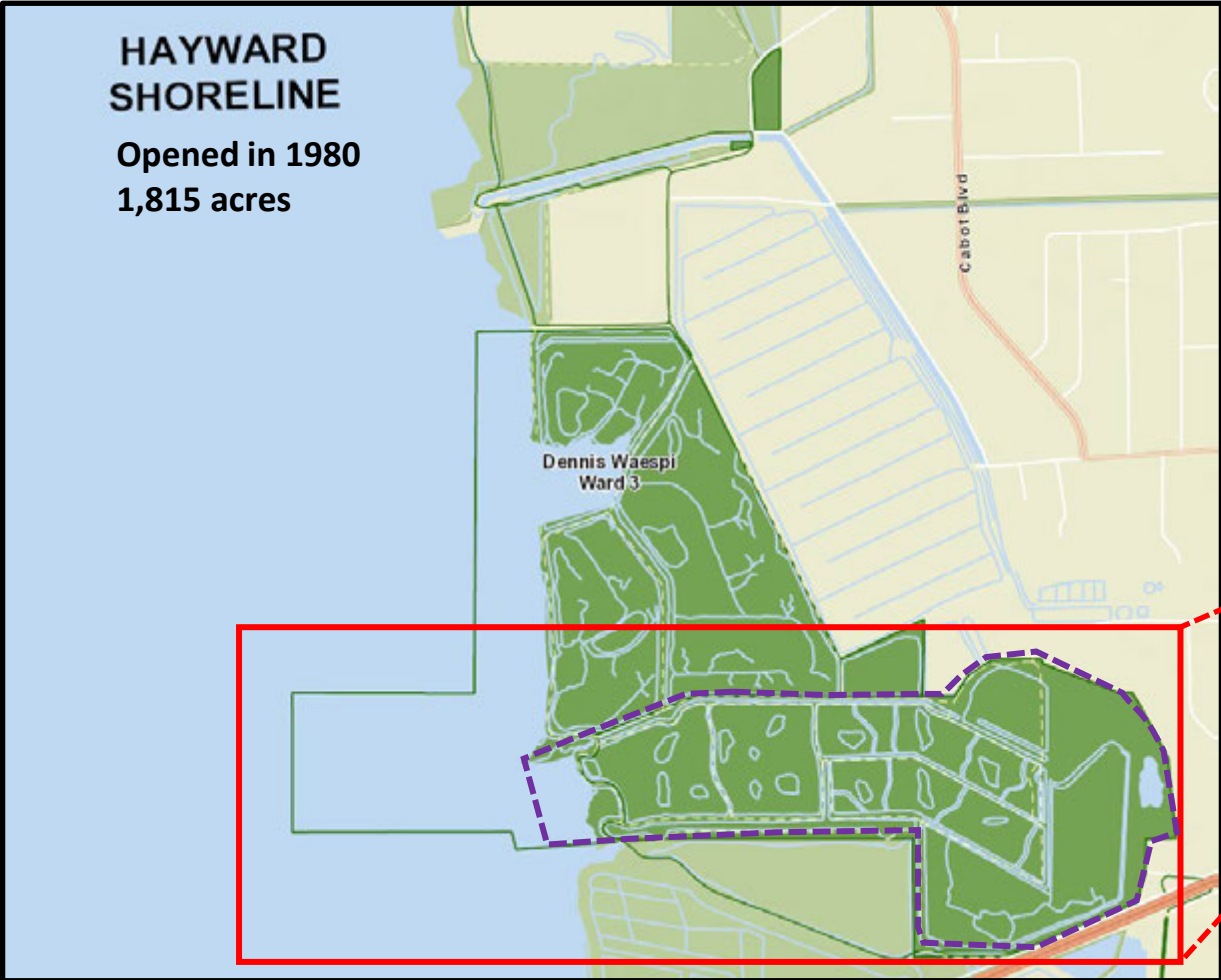
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Si Usted tiene alguna pregunta en español, por favor contacte John Holder / jholder@ebparks.org

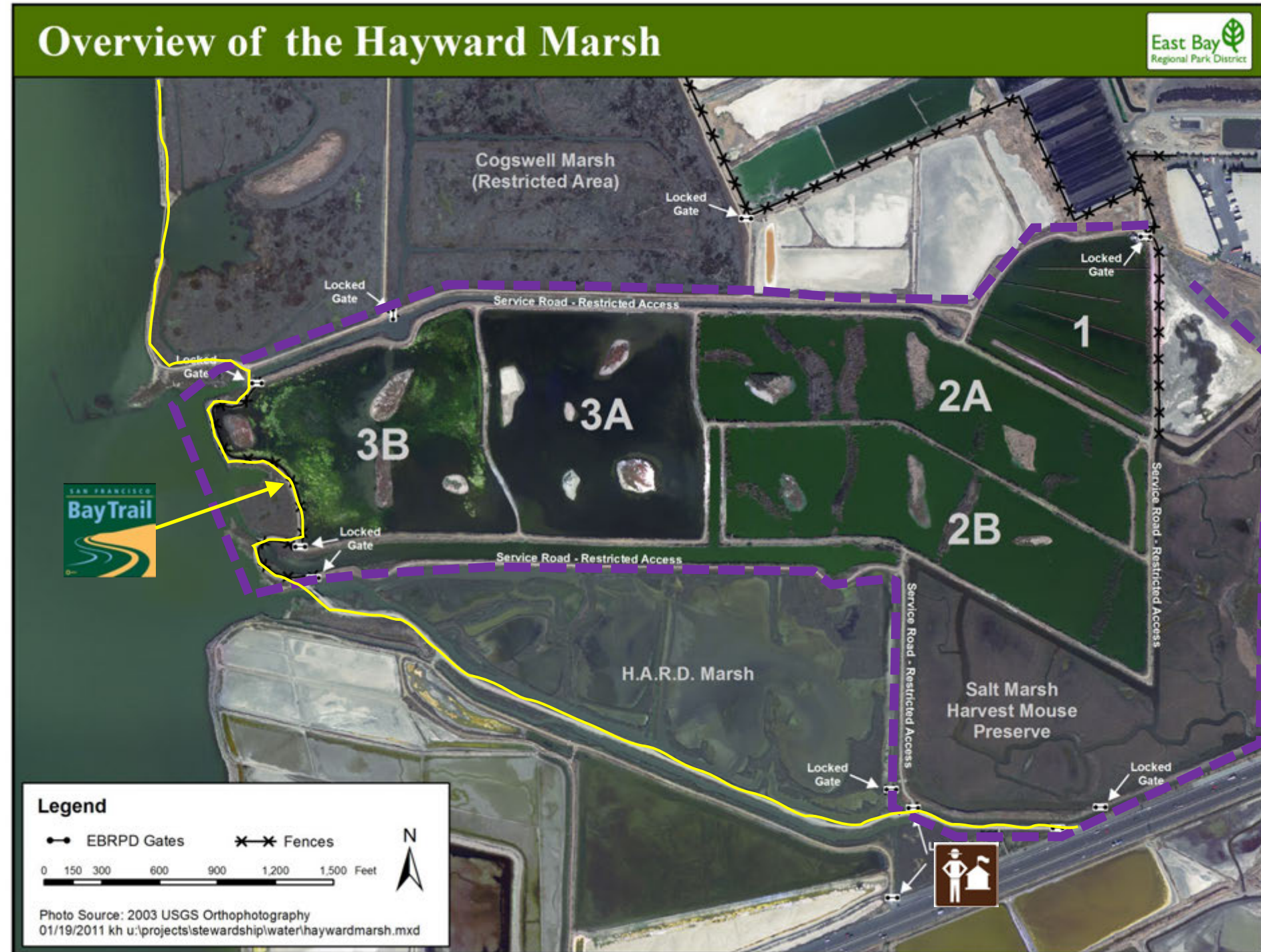
Location



Background

Hayward Marsh (Project Area):

- Owned by Park District used by Union Sanitary District (USD) for wastewater treatment marsh
- 145 Acres, Constructed in 1985
- Designed to provide freshwater and brackish habitat
- Ponds and channels are silted, wastewater treatment no longer viable. USD to cease discharges.



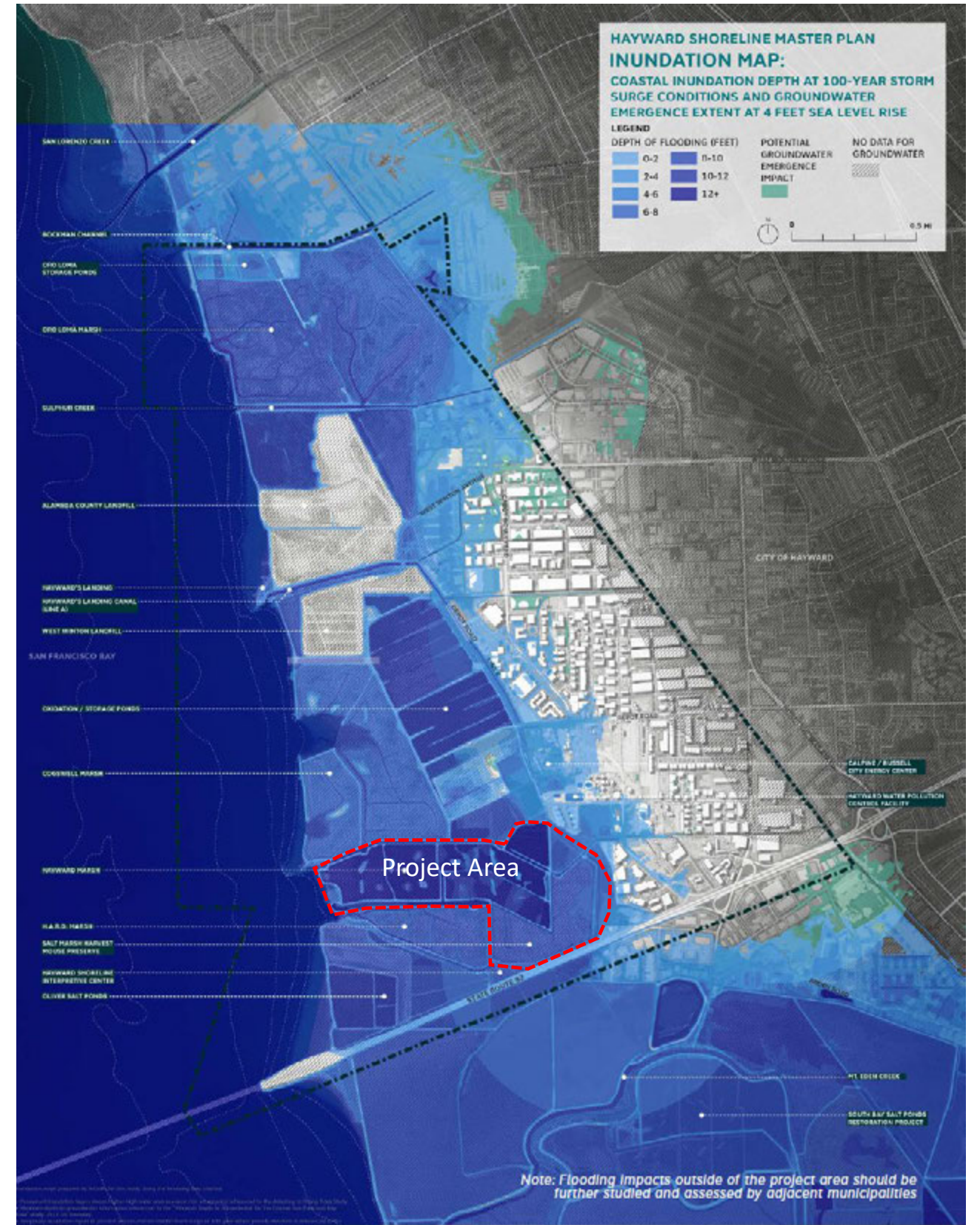
Project Goals

- Enhance Wildlife Habitat
- Plan for Sea Level Rise
- Improve Public Access Opportunities
- Improve Management Capabilities



Project Goals

- Enhance Wildlife Habitat
- **Plan for Sea Level Rise**
- Improve Public Access Opportunities
- Improve Management Capabilities



Project Goals

- Enhance Wildlife Habitat
- Plan for Sea Level Rise
- **Improve Public Access Opportunities**
- Improve Management Capabilities



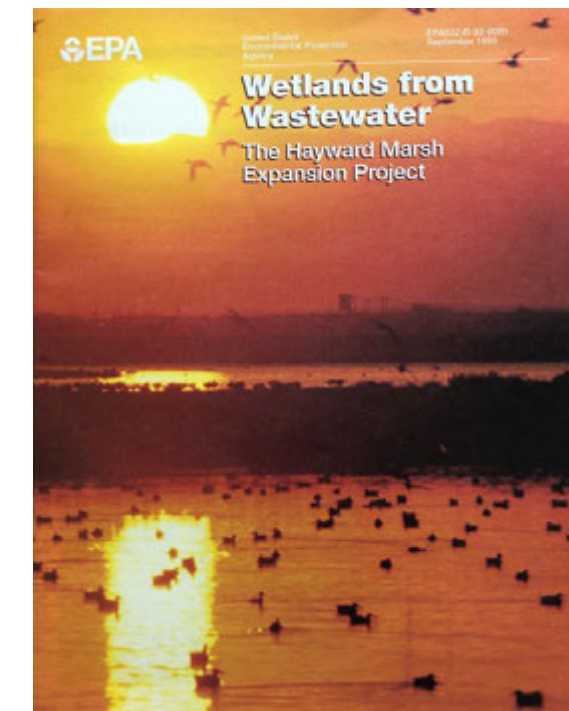
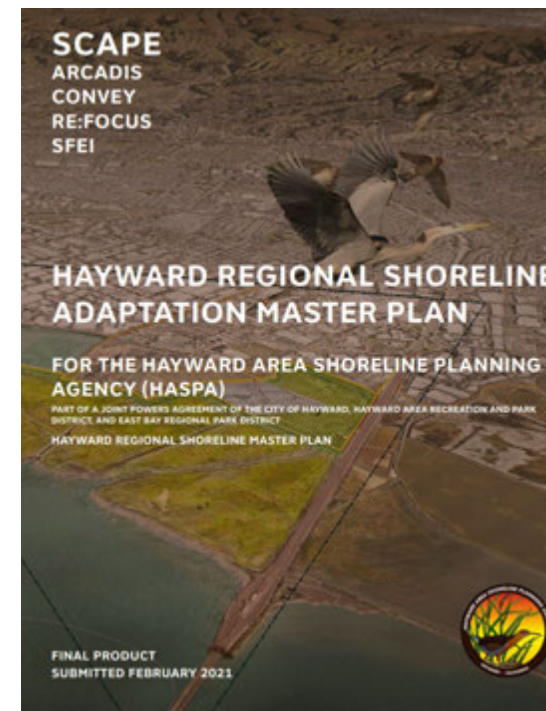
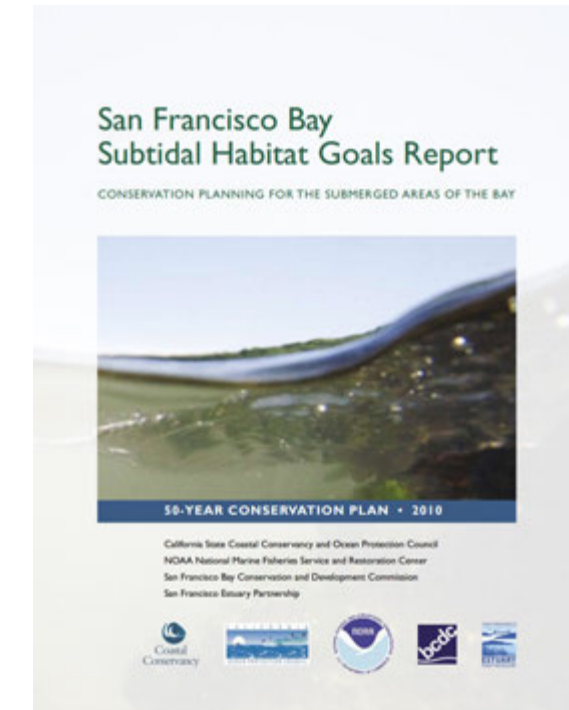
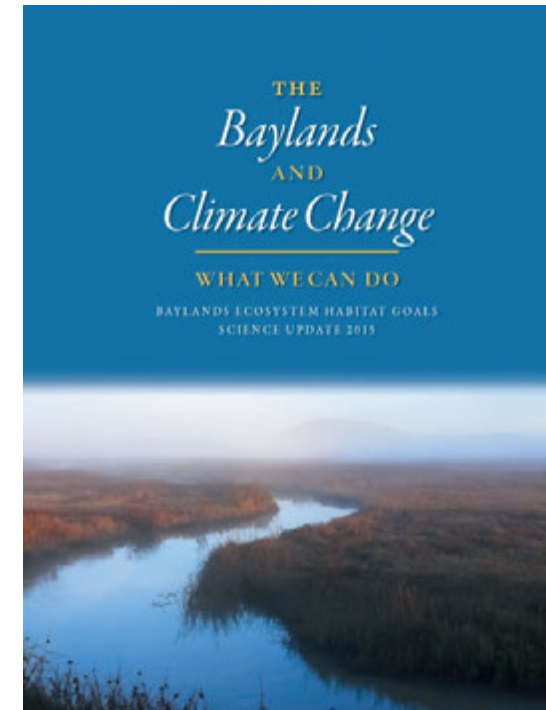
Project Goals

- Enhance Wildlife Habitat
- Plan for Sea Level Rise
- Improve Public Access Opportunities
- **Improve Management Capabilities**



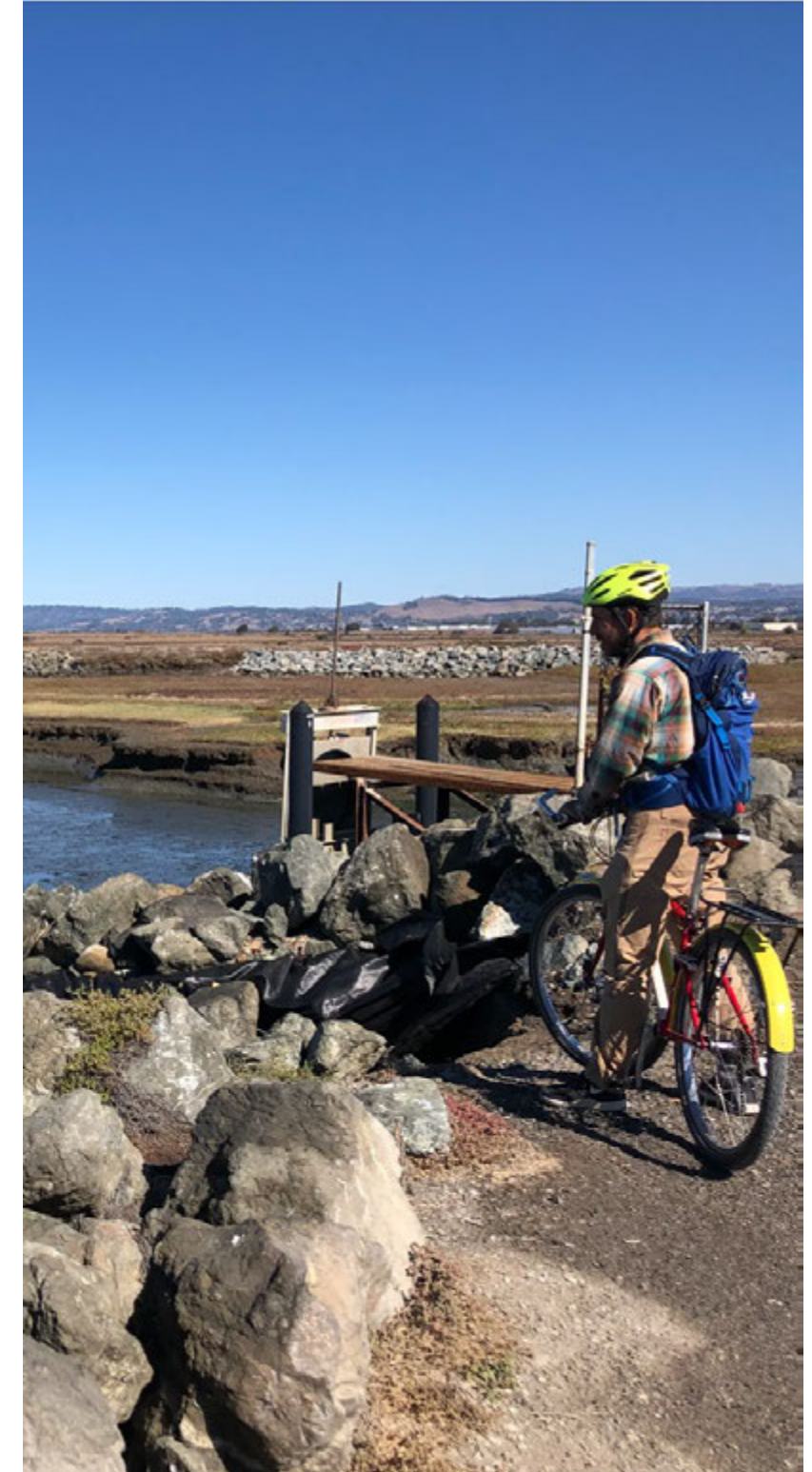
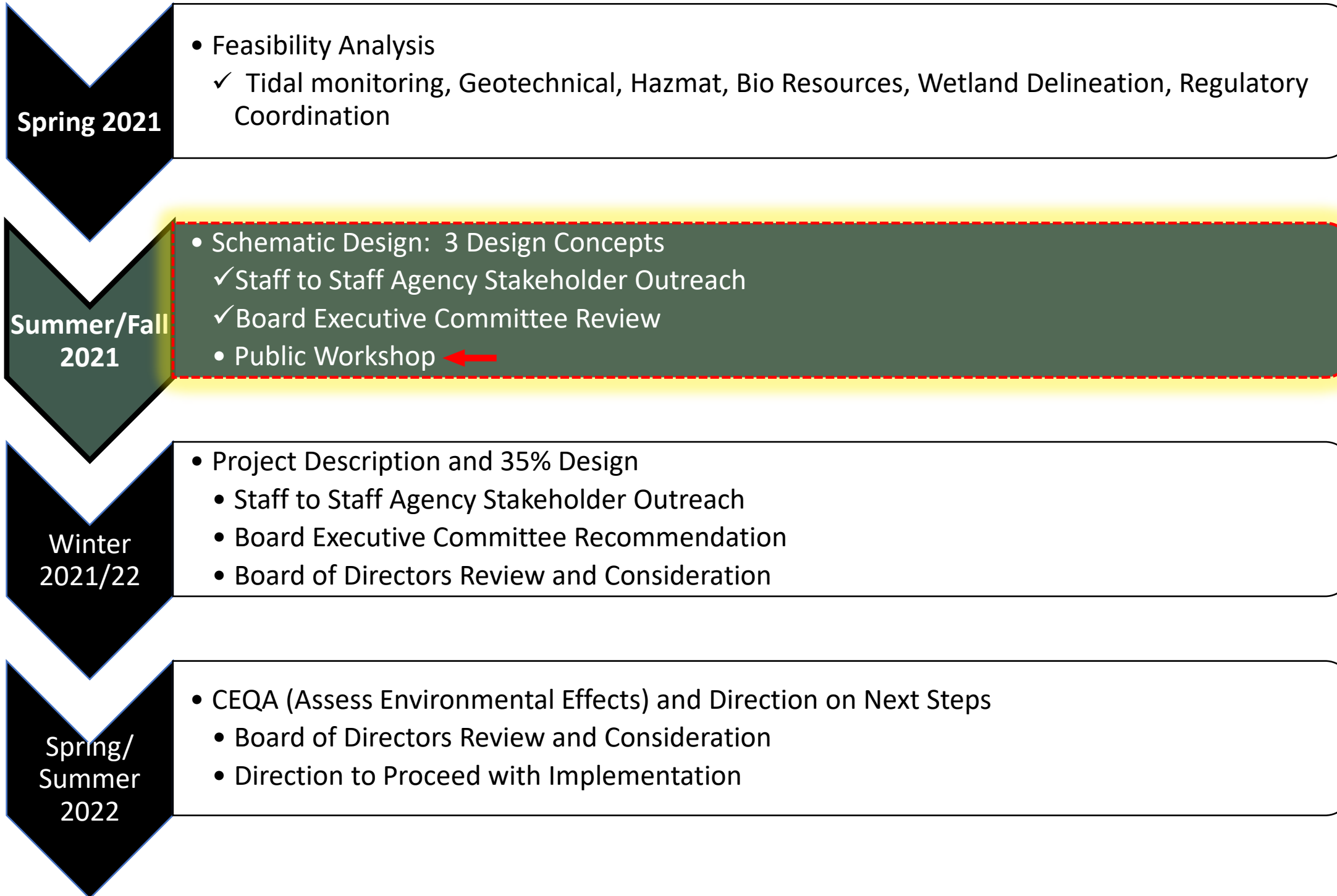
Reference and Resources

- Baylands Ecosystem Habitat Goals Project
- Subtidal Habitat Goals Report
- HASPA Hayward Regional Shoreline Adaptation Master Plan
- Other SF Bay Restoration Projects
 - South Bay Salt Ponds Restoration Project
 - EBRPD Restoration Projects
- History of site-specific species management (Least Tern, Snowy Plover, Salt Marsh Harvest Mouse)

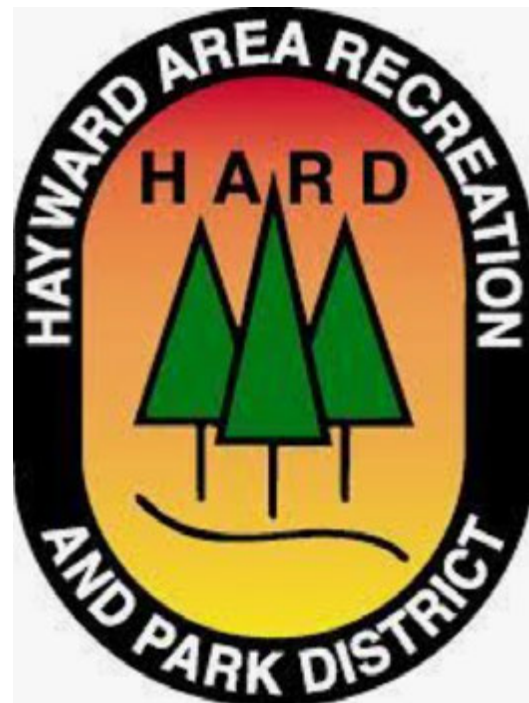
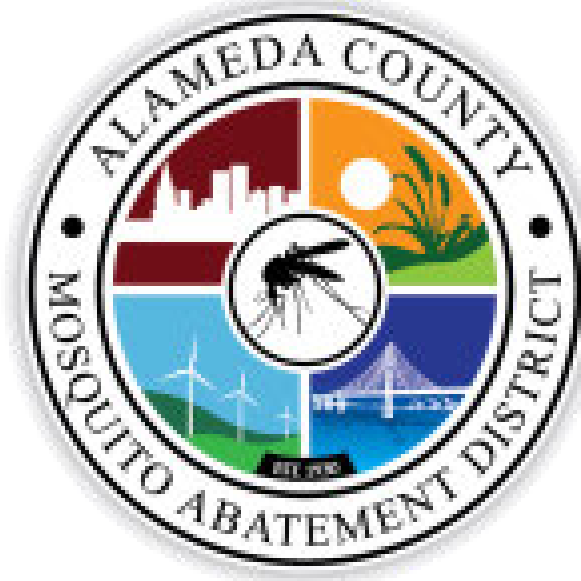
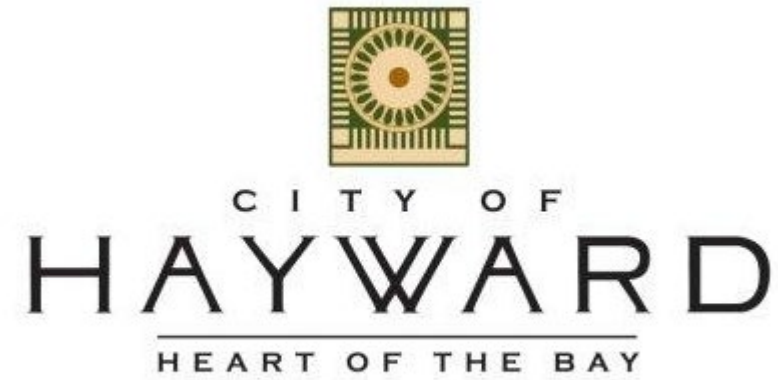


Scope and Schedule

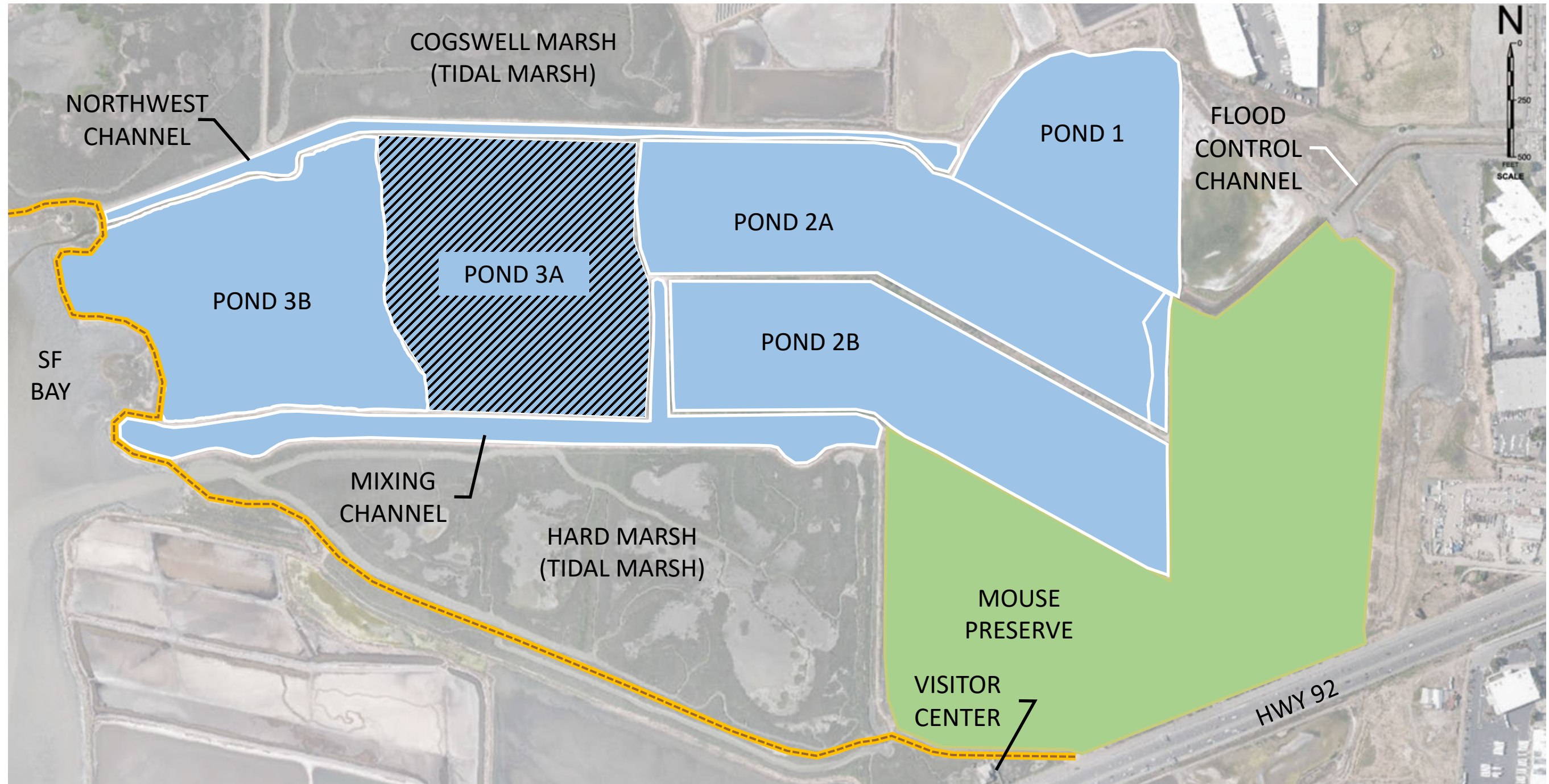
Scope of Project: Feasibility Analysis, 35% Design, CEQA



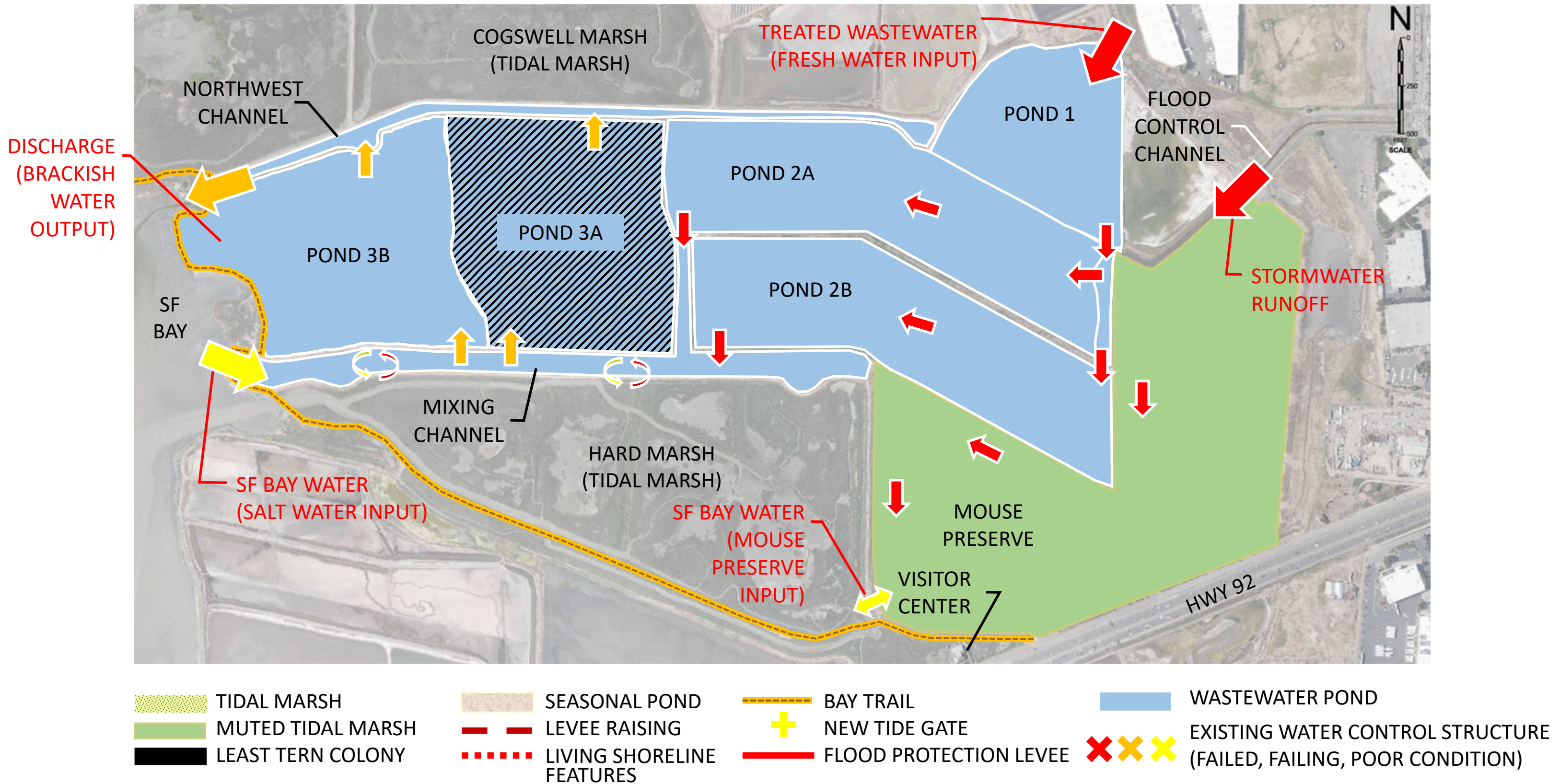
Agency Stakeholders



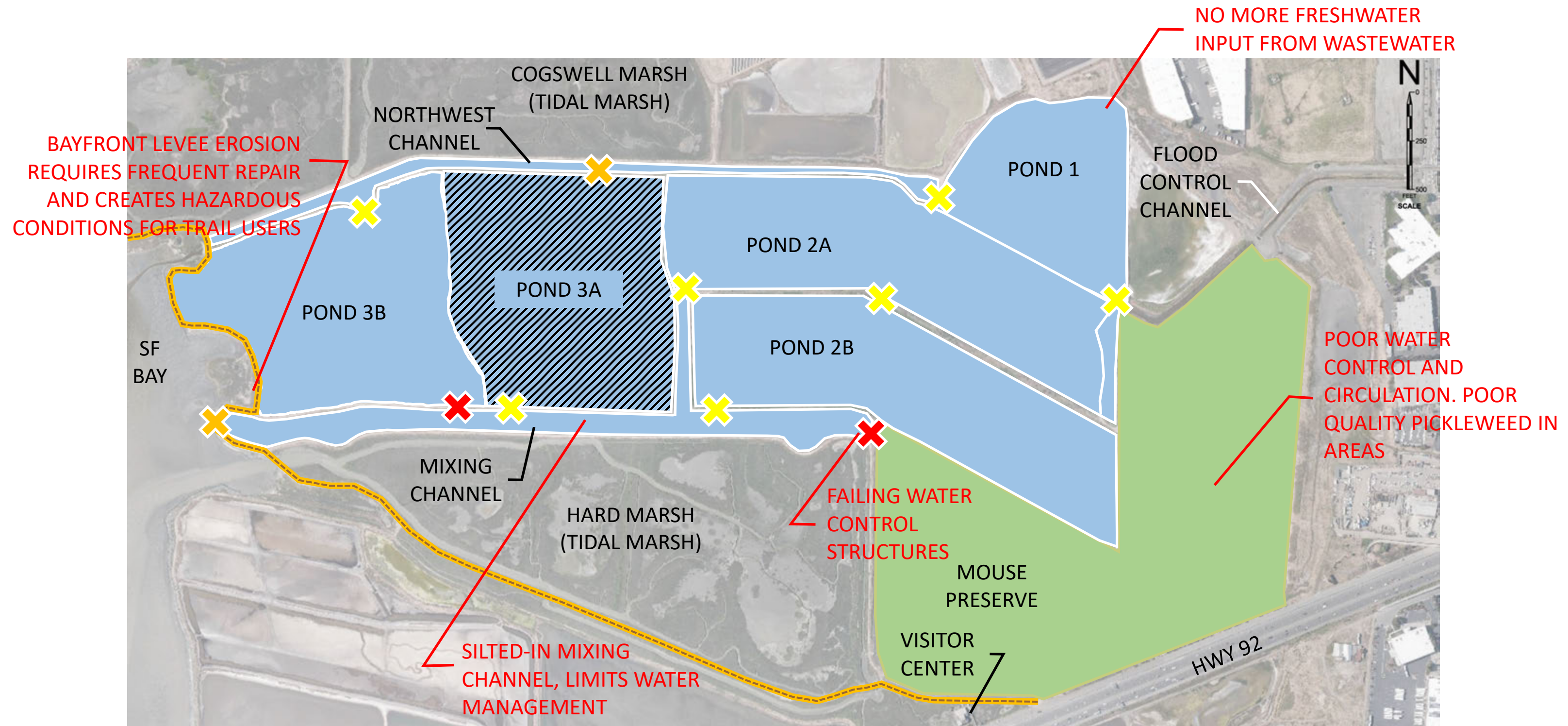
Existing Conditions



Existing Conditions: Treatment Marsh Summary



Existing Conditions: Challenges



- | | | | |
|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
|  TIDAL MARSH |  SEASONAL POND |  BAY TRAIL |  WASTEWATER POND |
|  MUTED TIDAL MARSH |  LEVEE RAISING |  NEW TIDE GATE |  EXISTING WATER CONTROL STRUCTURE (FAILED, FAILING, POOR CONDITION) |
|  LEAST TERN COLONY |  LIVING SHORELINE FEATURES |  FLOOD PROTECTION LEVEE | |

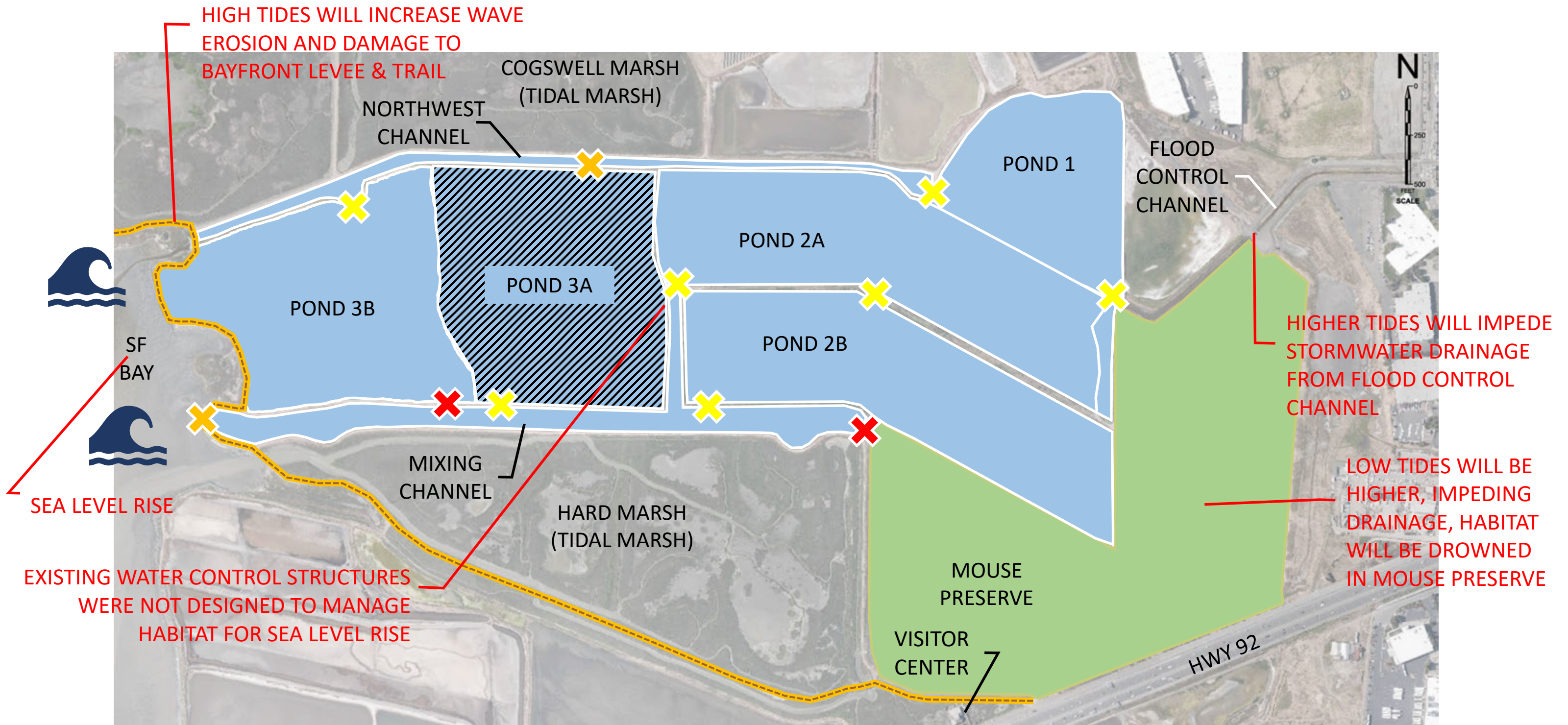
Existing Conditions: Challenges



Existing Conditions: Challenges



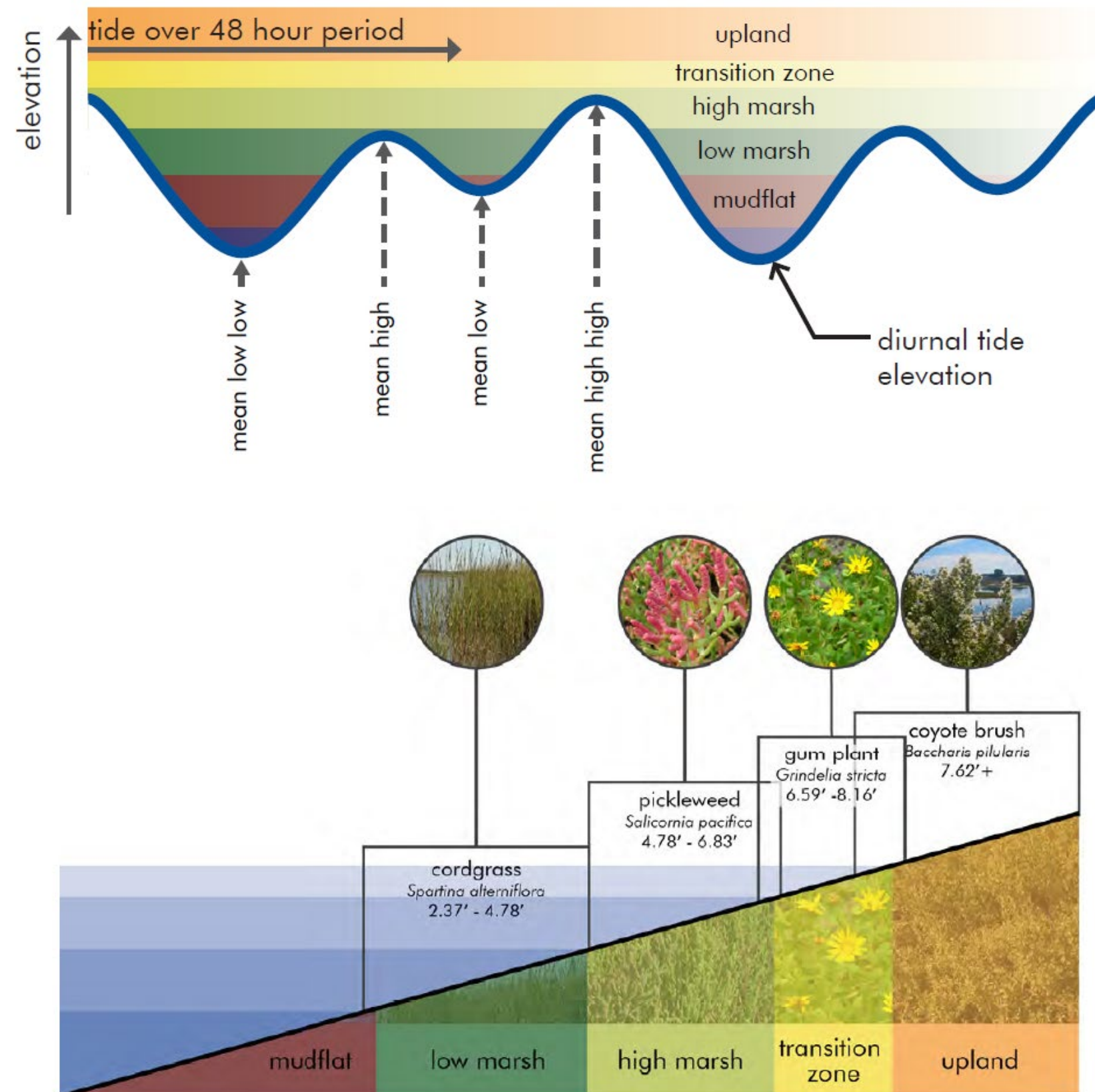
Sea Level Rise Challenges



- | | | | |
|-------------------|---------------------------|------------------------|--------------------------------------------------------------------|
| TIDAL MARSH | SEASONAL POND | BAY TRAIL | WASTEWATER POND |
| MUTED TIDAL MARSH | LEVEE RAISING | NEW TIDE GATE | EXISTING WATER CONTROL STRUCTURE (FAILED, FAILING, POOR CONDITION) |
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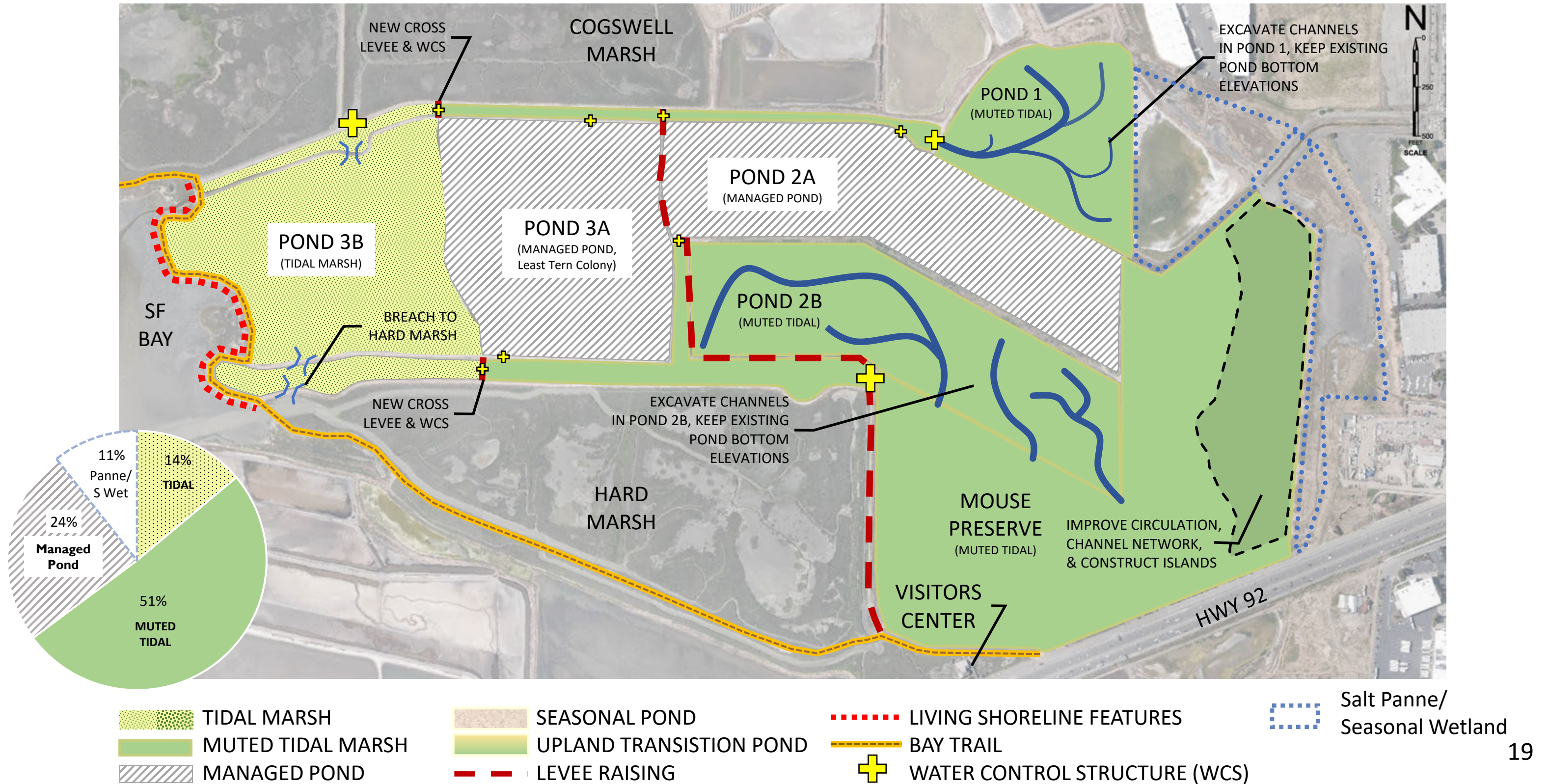
Review of Tides and Habitat

tidal inundation & habitat zones



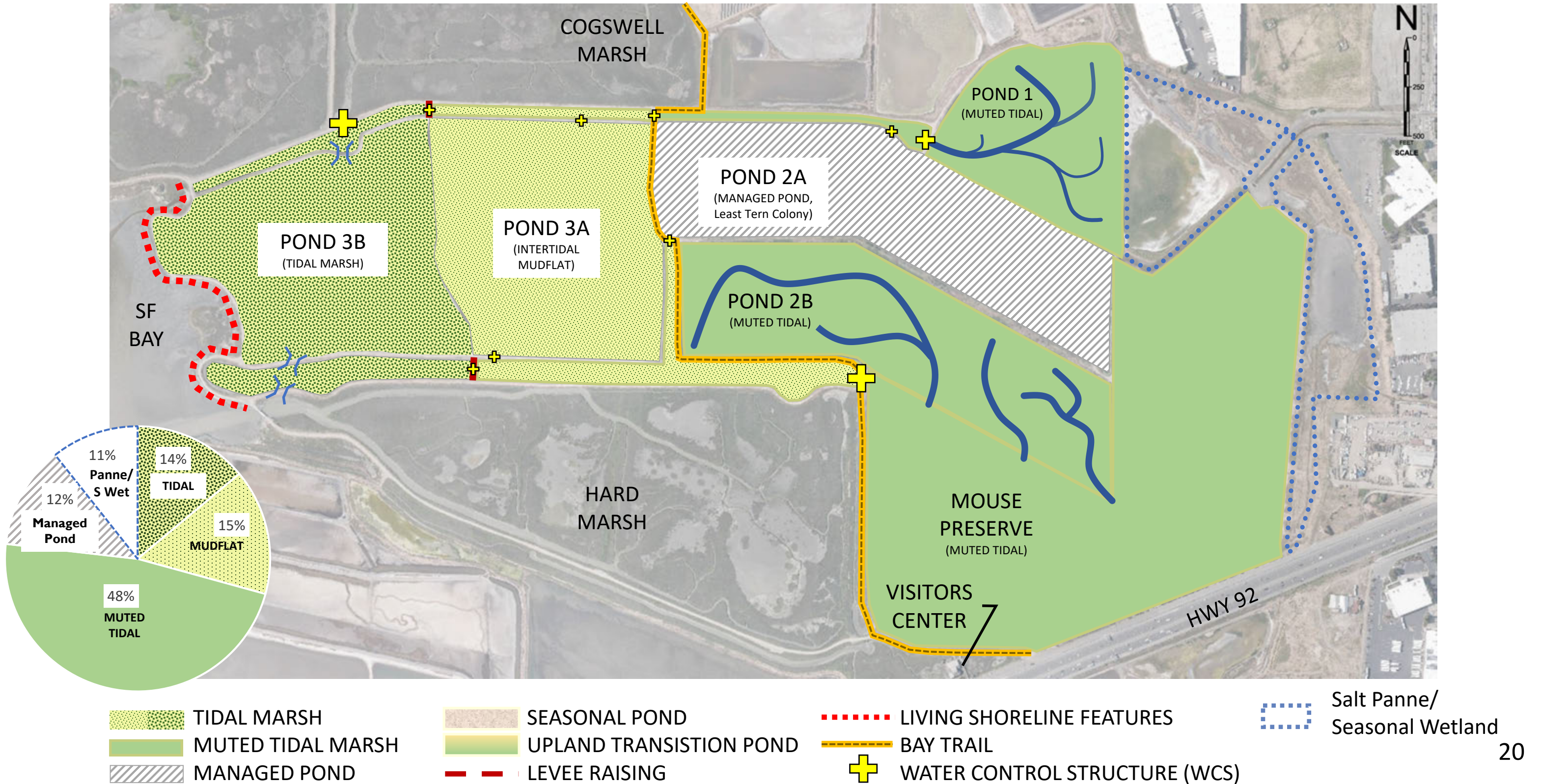
Option I: Maximize Near - Term Tidal

NEAR TERM • ~0-20 YEARS



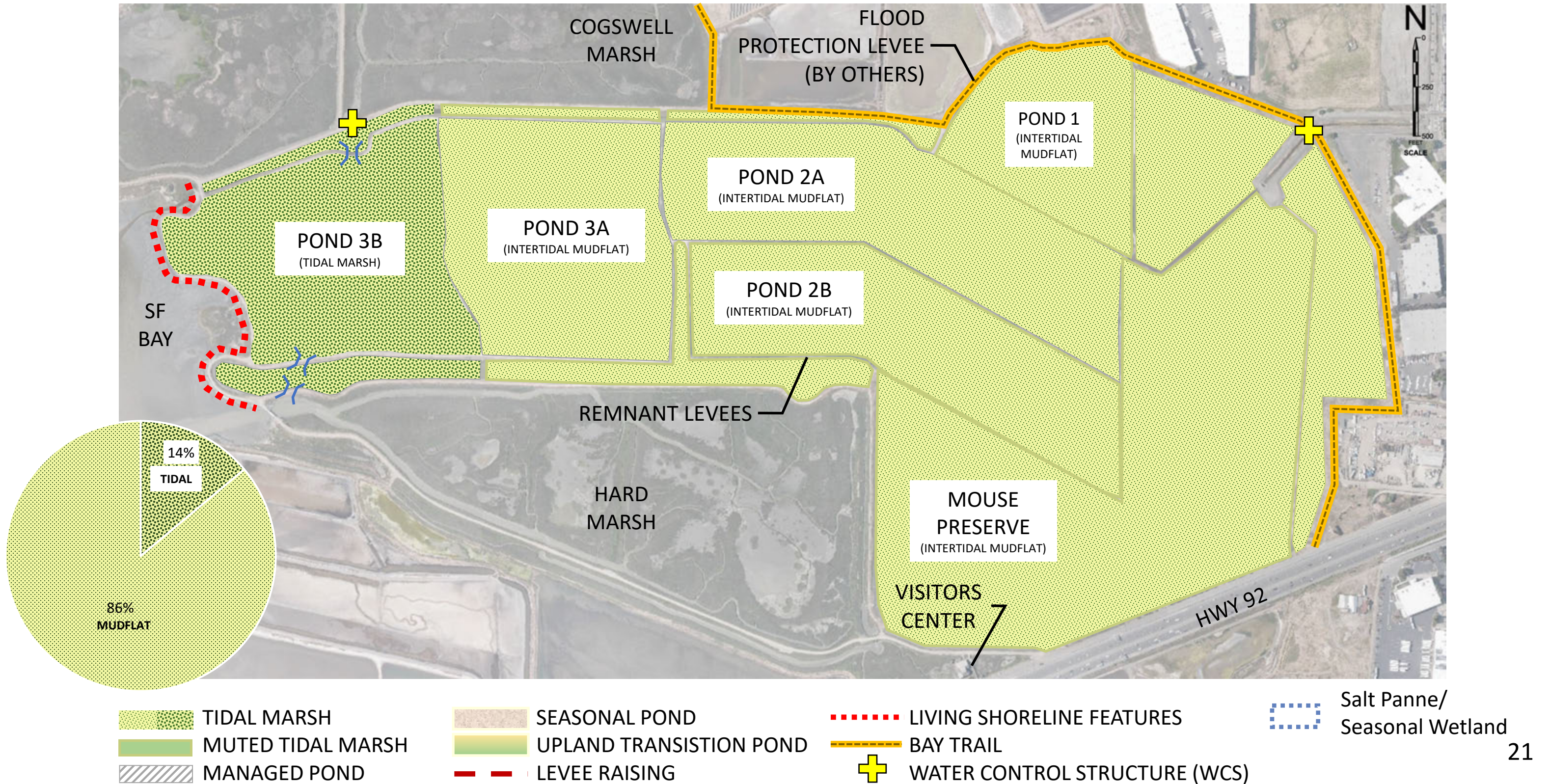
Option I: Maximize Near-Term Tidal

MEDIUM TERM • ~20+ YEARS (2FT SLR)



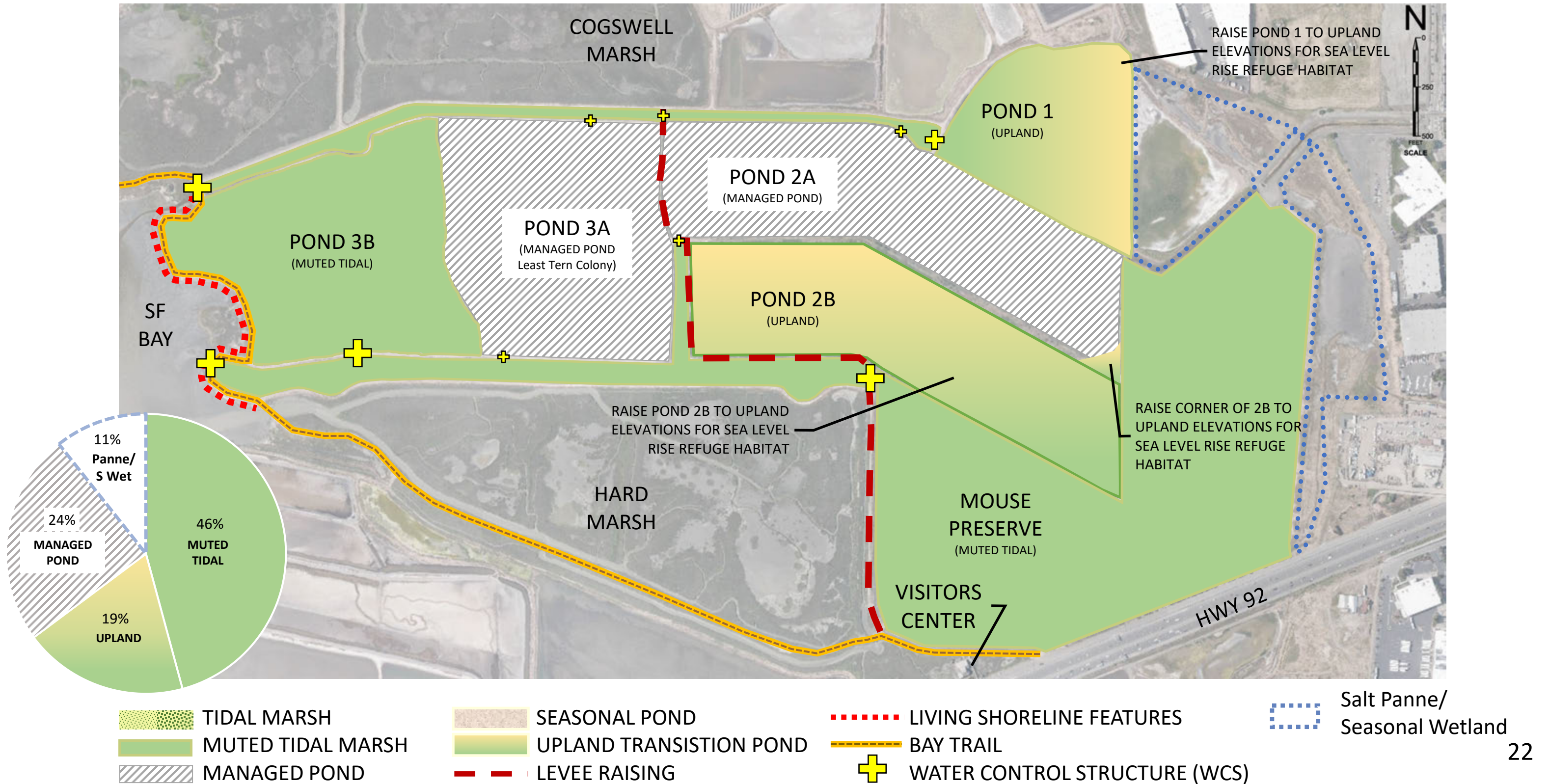
Option I: Maximize Near-Term Tidal

LONG TERM • 50+ YEARS (5FT SLR)



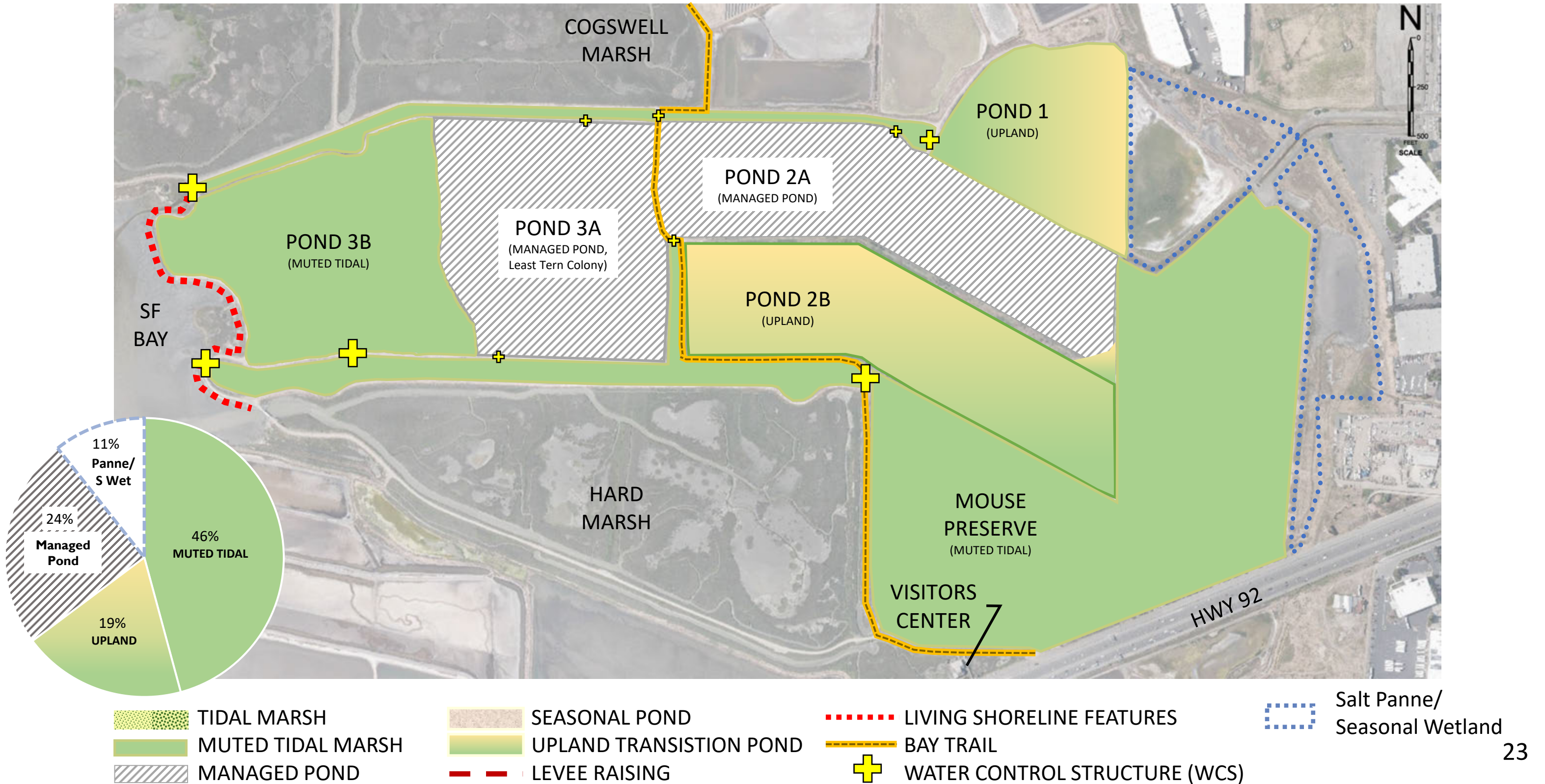
Option 2: Maximize Resilience to Sea Level Rise

NEAR TERM • ~0-20 YEARS



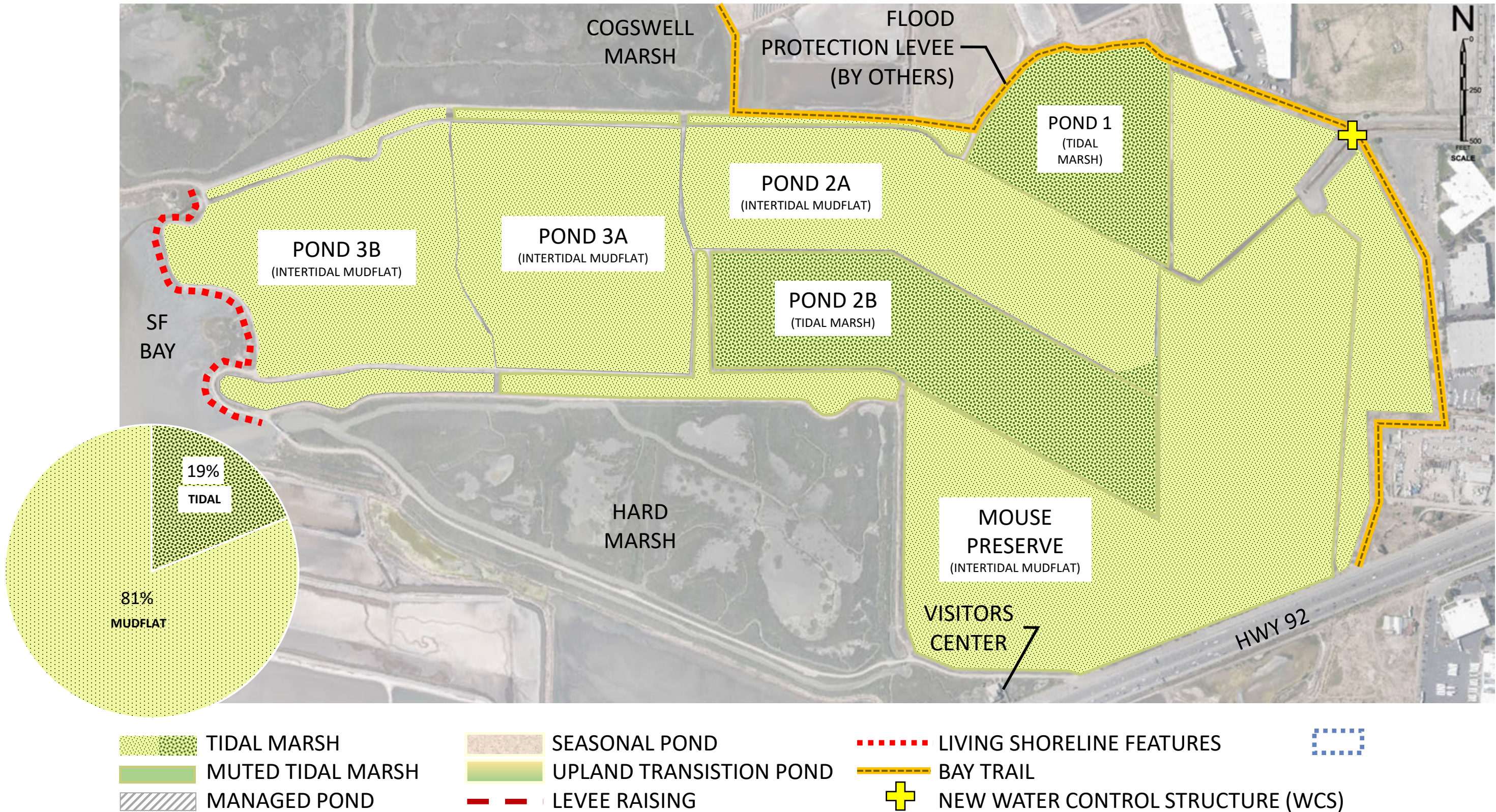
Option 2: Maximize Resilience to Sea Level Rise

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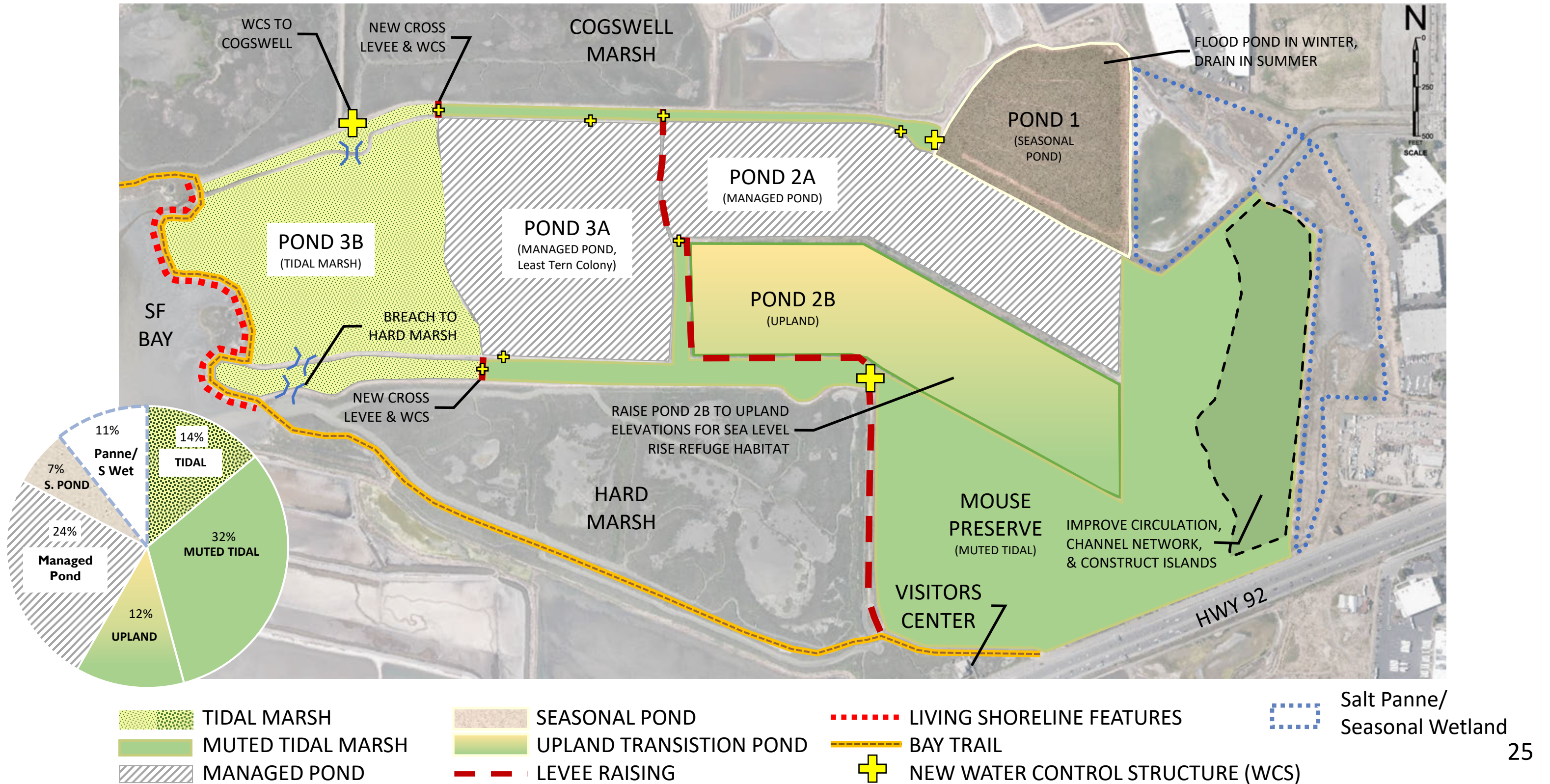
Option 2: Maximize Resilience to Sea Level Rise

LONG TERM • 50+ YEARS (5FT SLR)



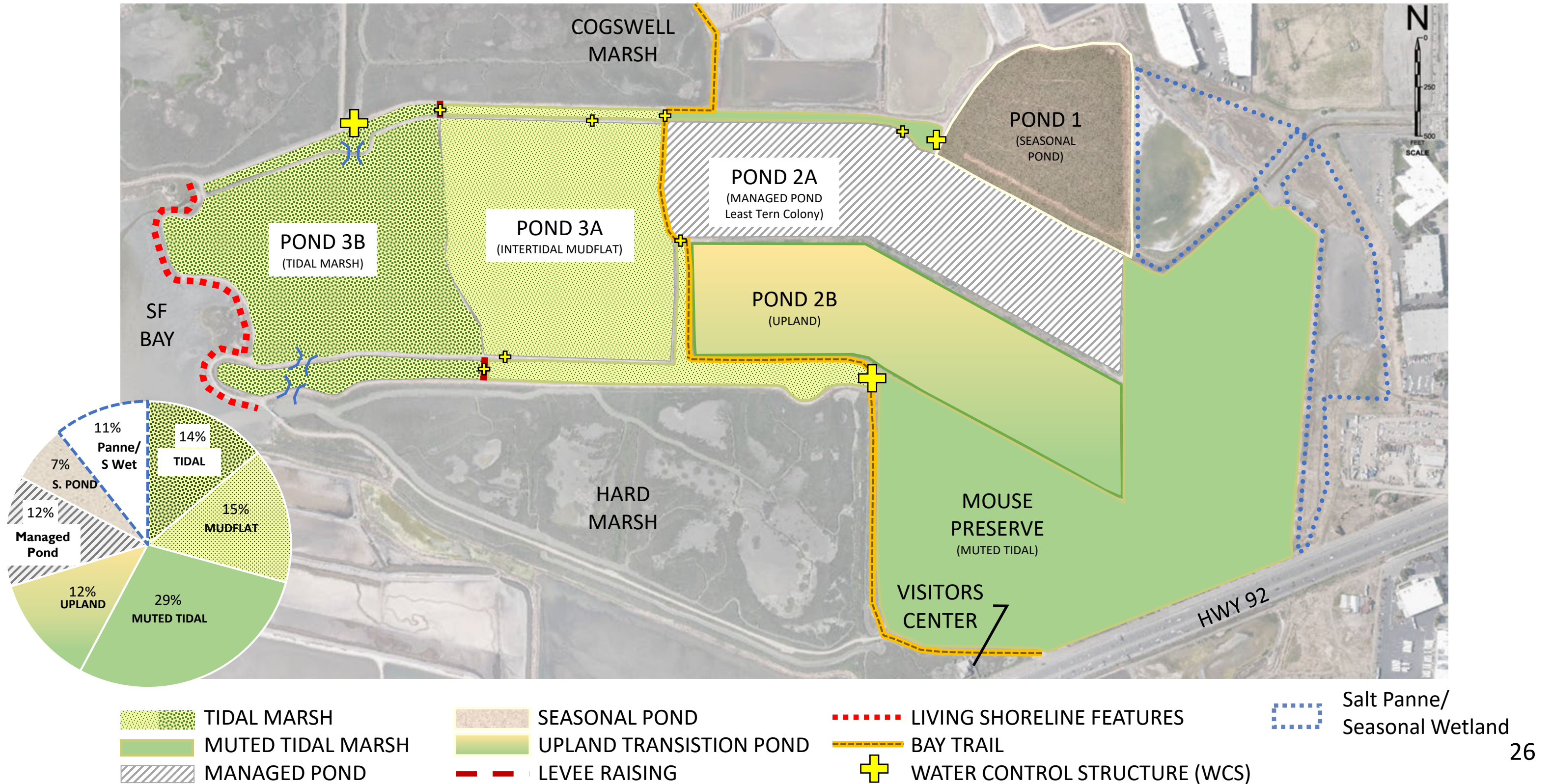
Option 3: Balance of Near-Term Habitat and Resilience

NEAR TERM • ~0-20 YEARS



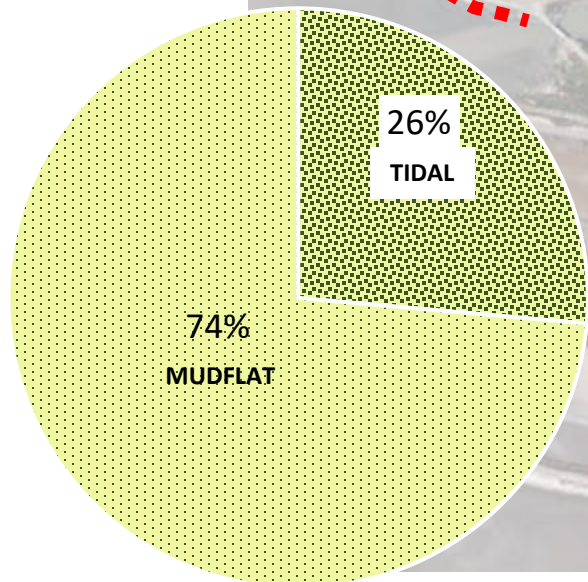
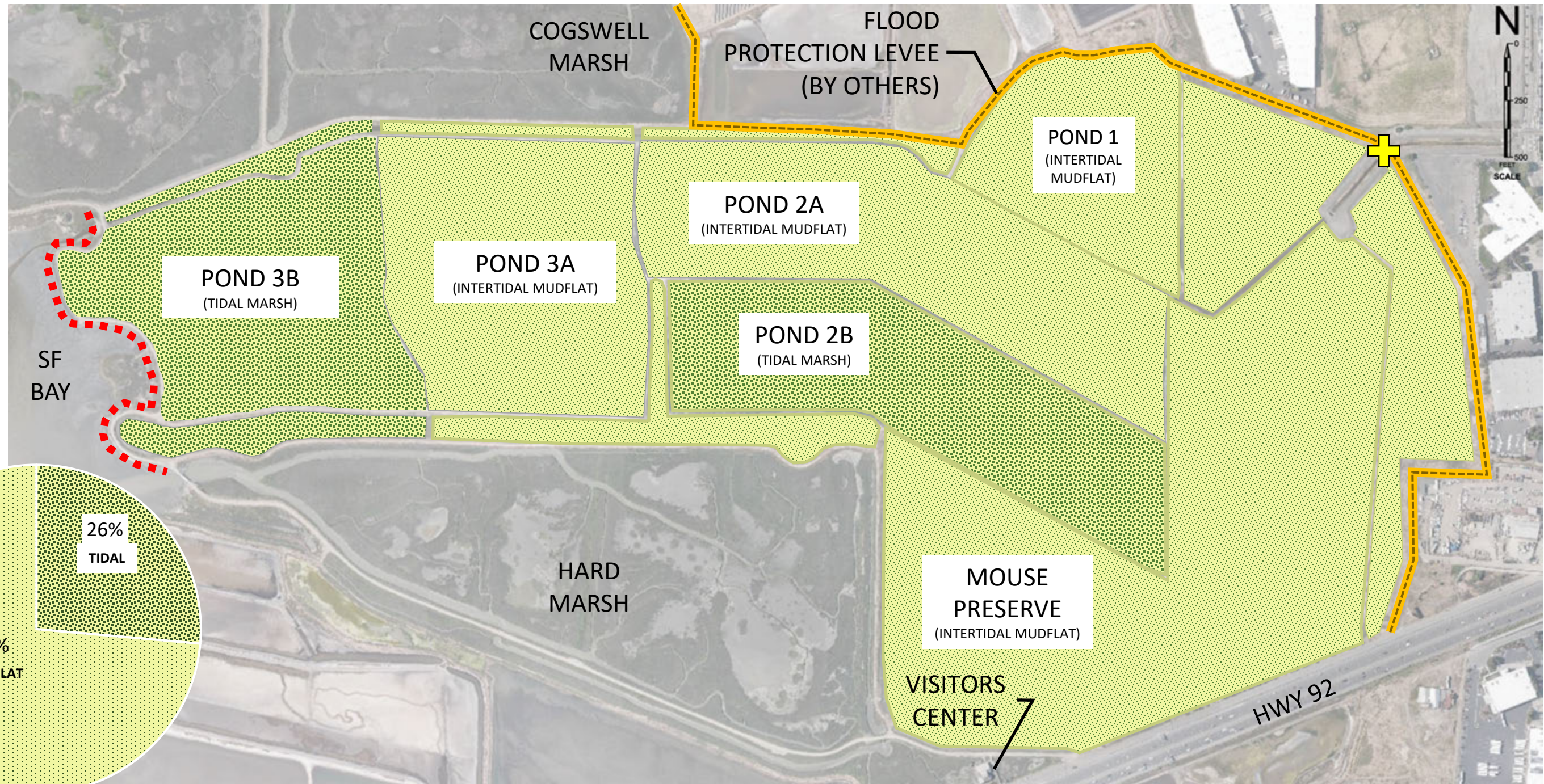
Option 3: Balance of Near-Term Habitat and Resilience

MEDIUM TERM • ~20+ YEARS (2FT SLR)



Option 3: Balance of Near-Term Habitat and Resilience

LONG TERM • 50+ YEARS (5FT SLR)



- TIDAL MARSH
- MUTED TIDAL MARSH
- MANAGED POND
- SEASONAL POND
- UPLAND TRANSITION POND
- LEVEE RAISING
- LIVING SHORELINE FEATURES
- BAY TRAIL
- NEW WATER CONTROL STRUCTURE (WCS)
- Salt Panne/ Seasonal Wetland

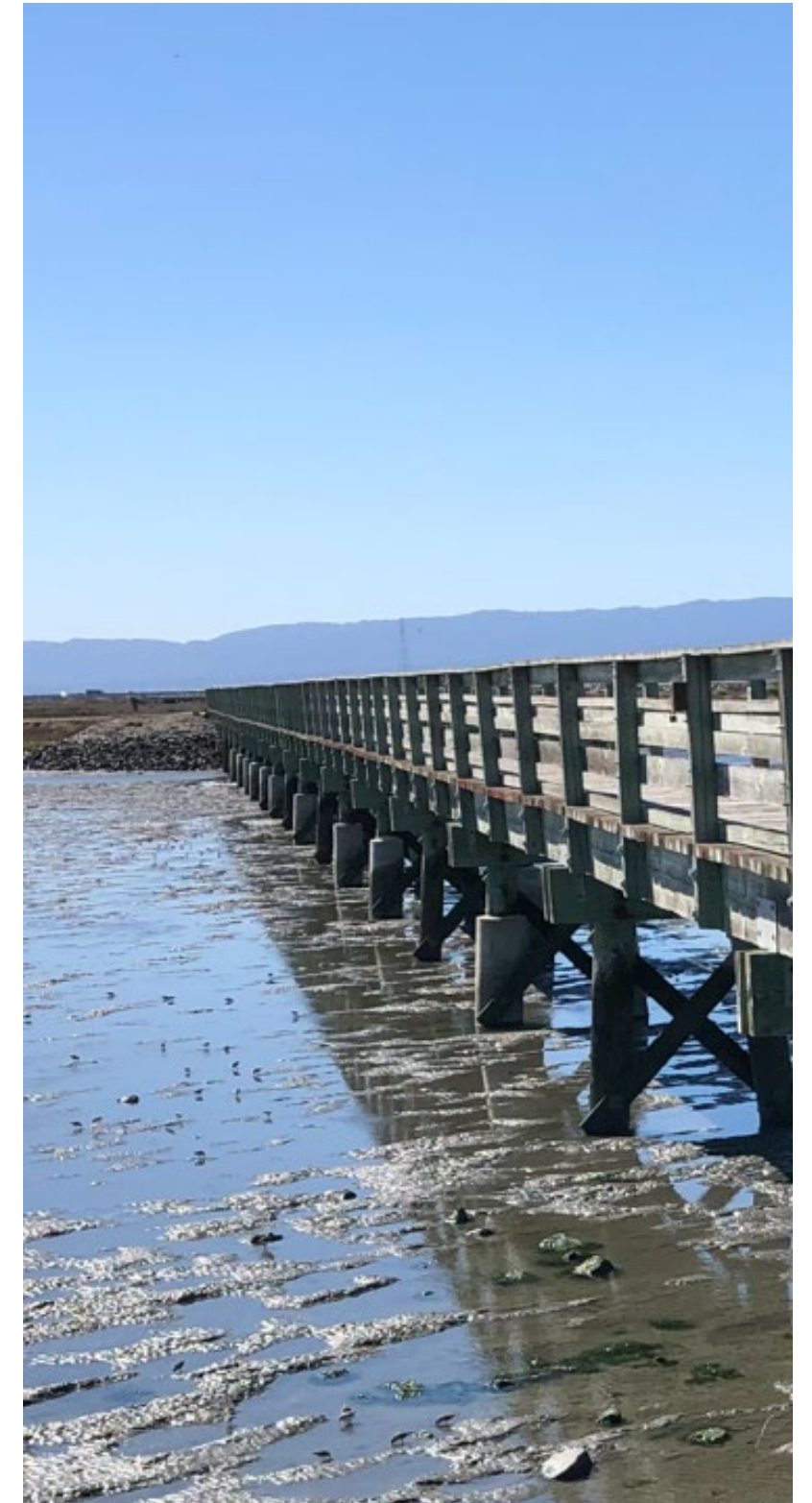
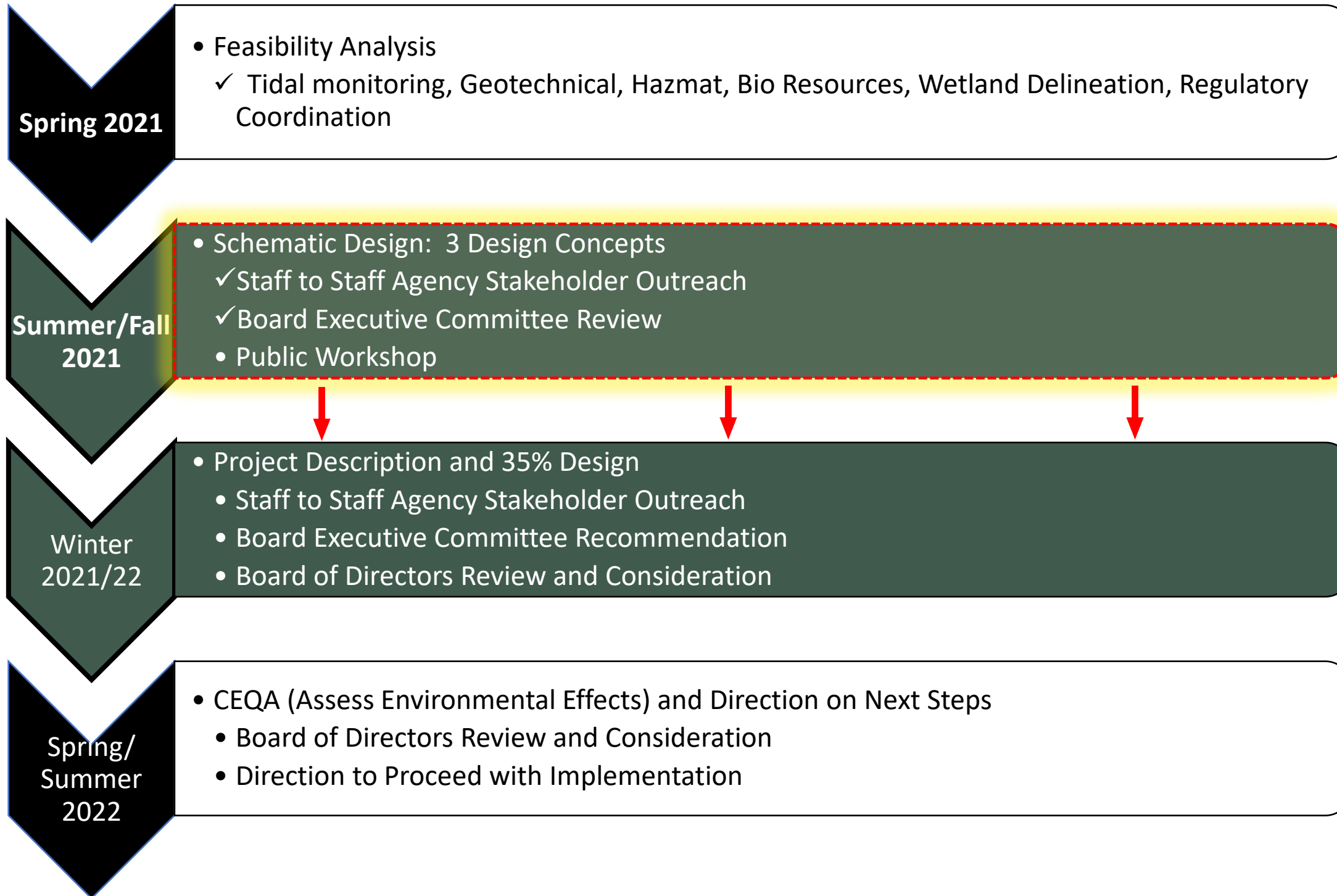
Evaluation of Project Goals

- Enhance Wildlife Habitat
- Plan for Sea Level Rise
- Improve Public Access Opportunities
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	Term		
	Near Years 0-20	Medium 20 Years 2ft SLR	Long 50 Years 5ft SLR
Option 1: Maximize Near Term Tidal Marsh (\$20-\$26M)	+++	+	-
Option 2: Maximize Resilience to Sea Level Rise (\$26-\$32M)	++	+++	++
Option 3: Balance of Near-Term Habitat and Resilience (\$21-\$27M)	+++	+++	++

Next Steps

Scope of Project: Feasibility Analysis, 35% Design, CEQA



Survey and For More Information

Survey Questions:

<https://www.surveymonkey.com/r/VKQ8QR3>



Project Website:

<https://www.ebparks.org/about/planning/default.htm#hayward-marsh>



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