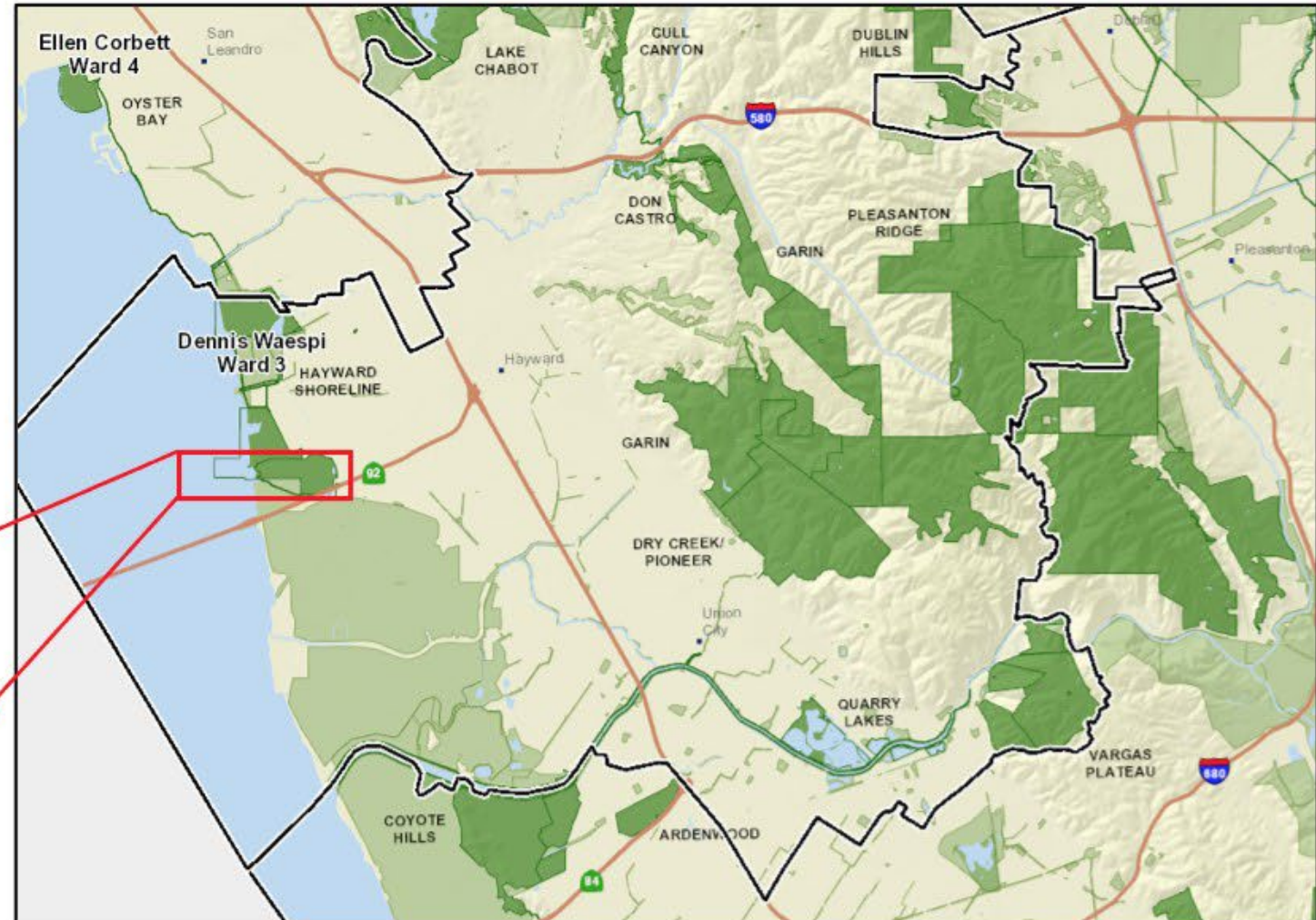
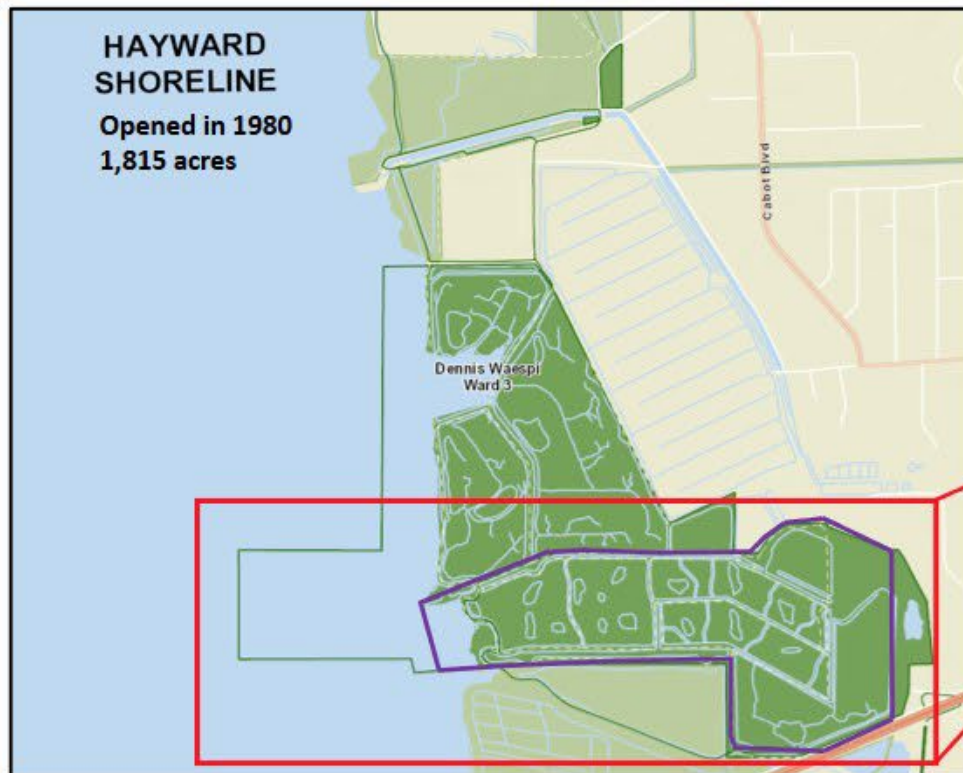




HAYWARD REGIONAL SHORELINE RESTORE HAYWARD MARSH PROJECT

Chris Barton, Restoration Projects Manager
East Bay Regional Park District

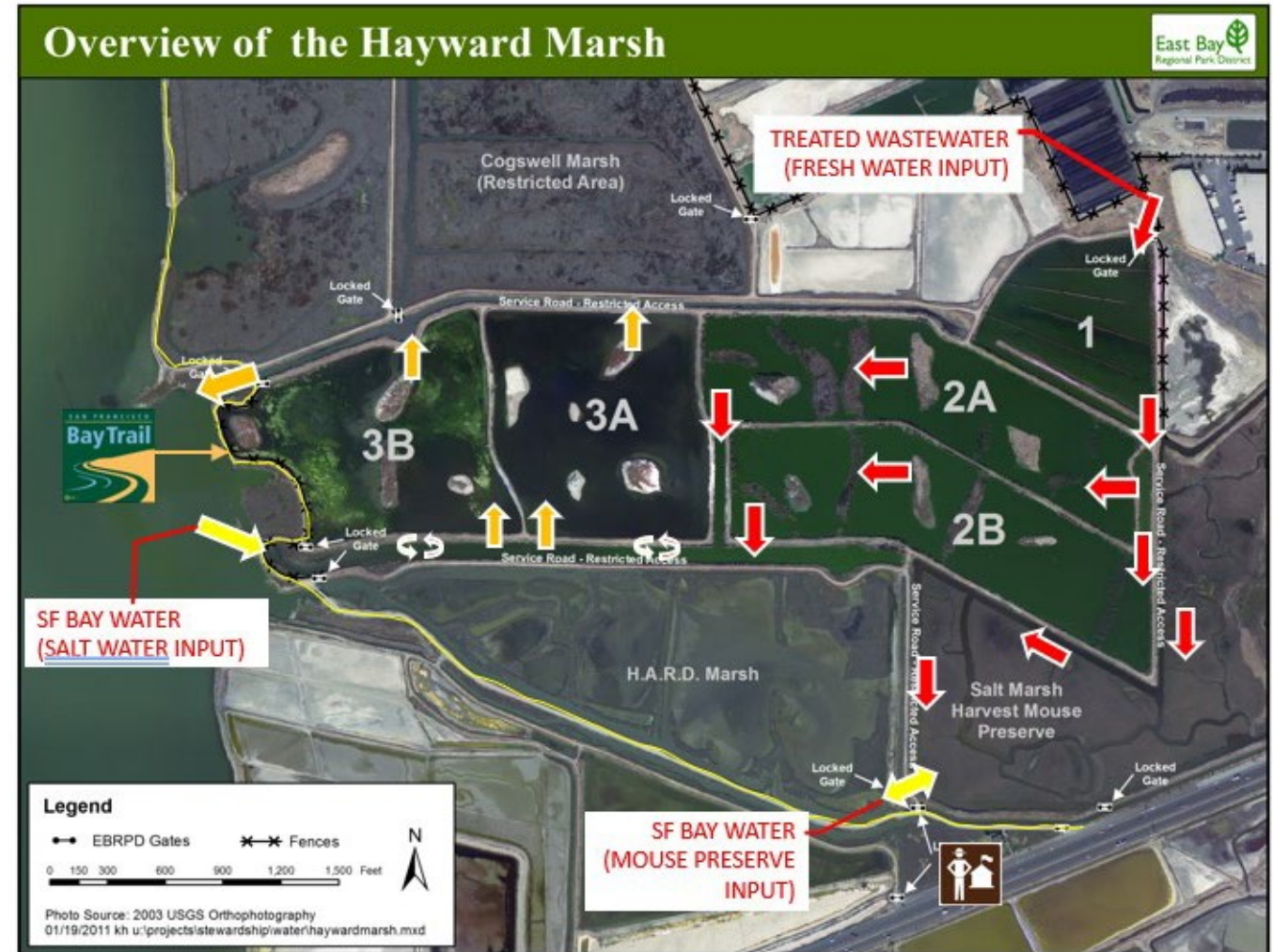
LOCATION



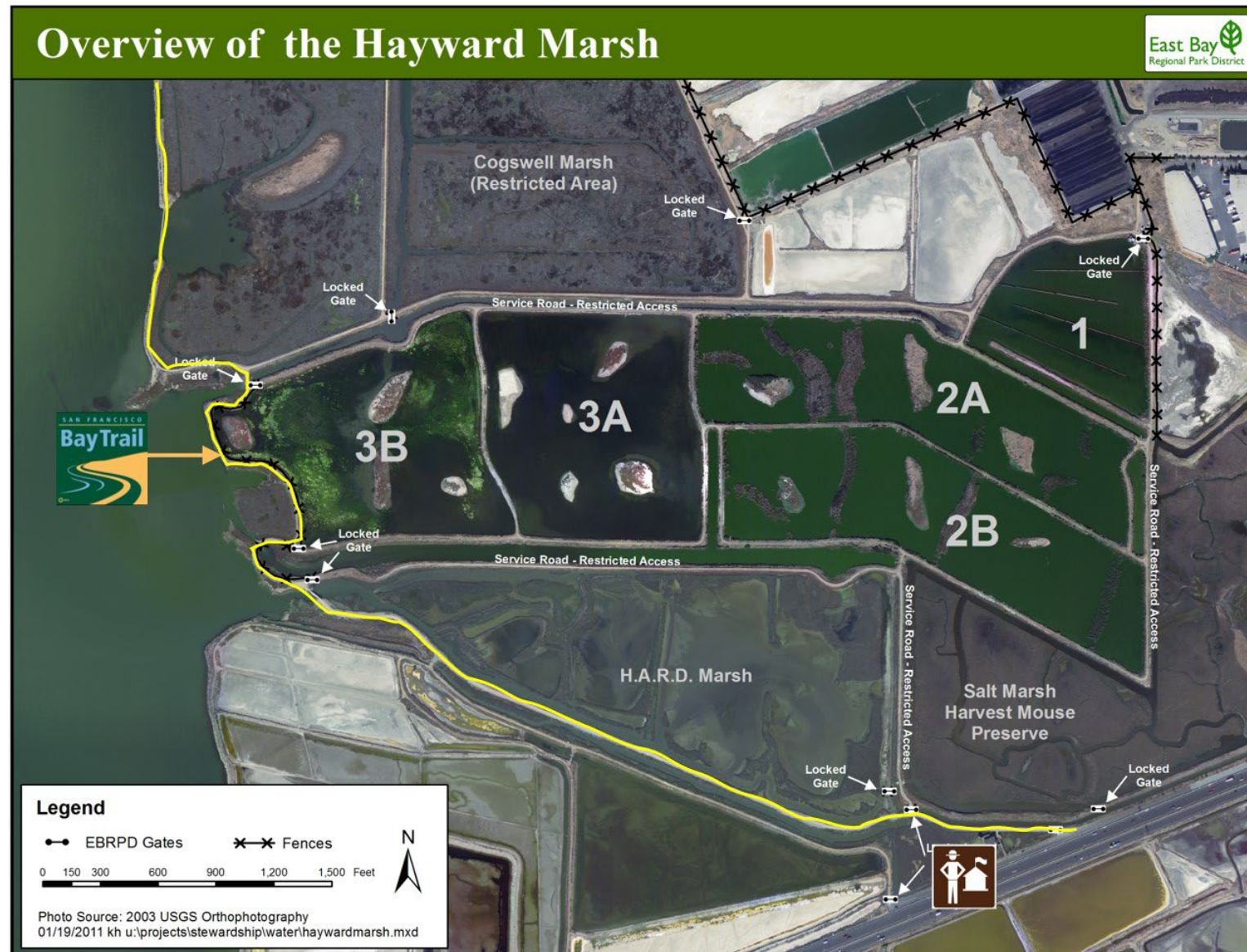
BACKGROUND

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, no longer used by USD for wastewater treatment



FORMER MARSH FUNCTION (1)



FORMER MARSH FUNCTION (2)



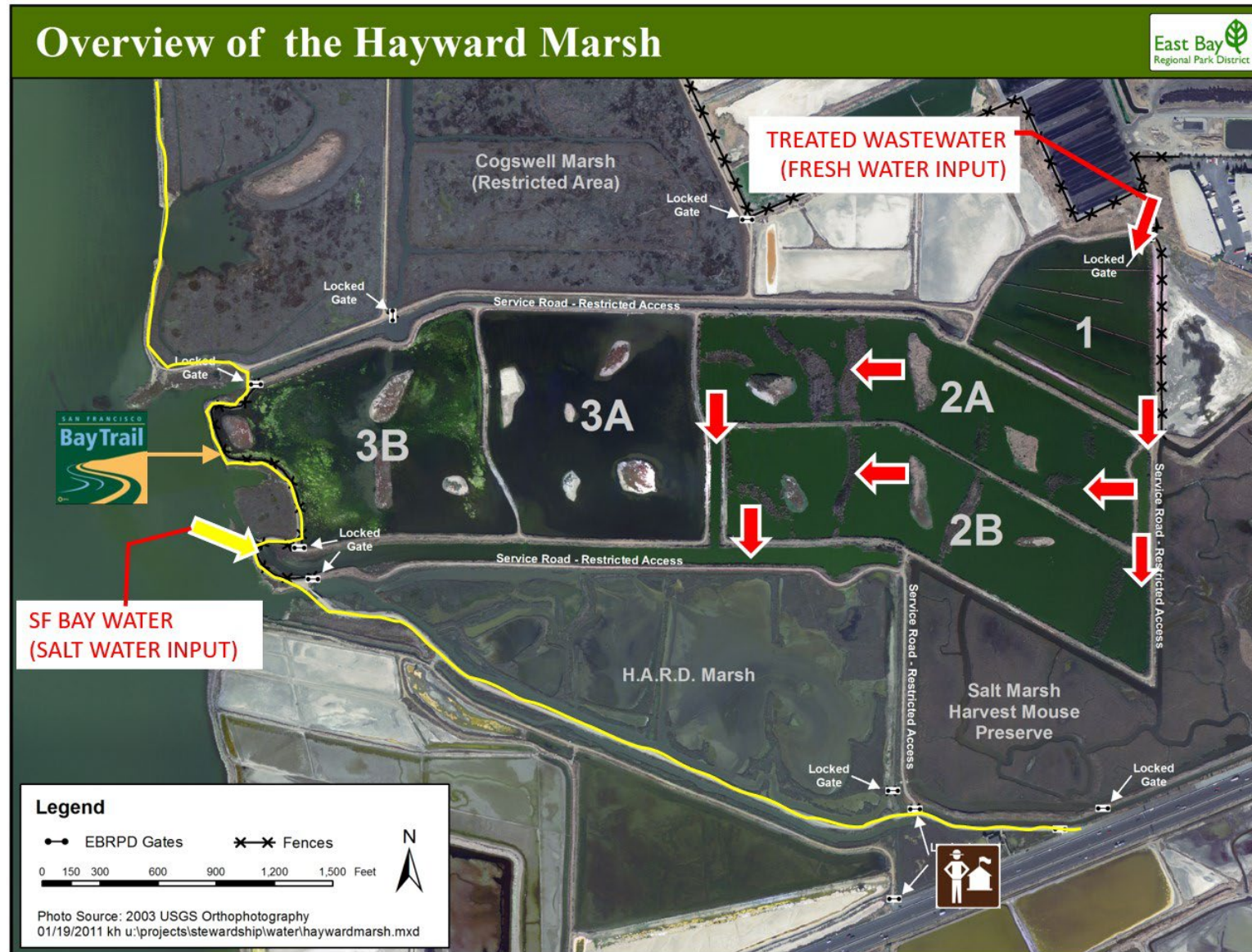
FORMER MARSH FUNCTION (3)



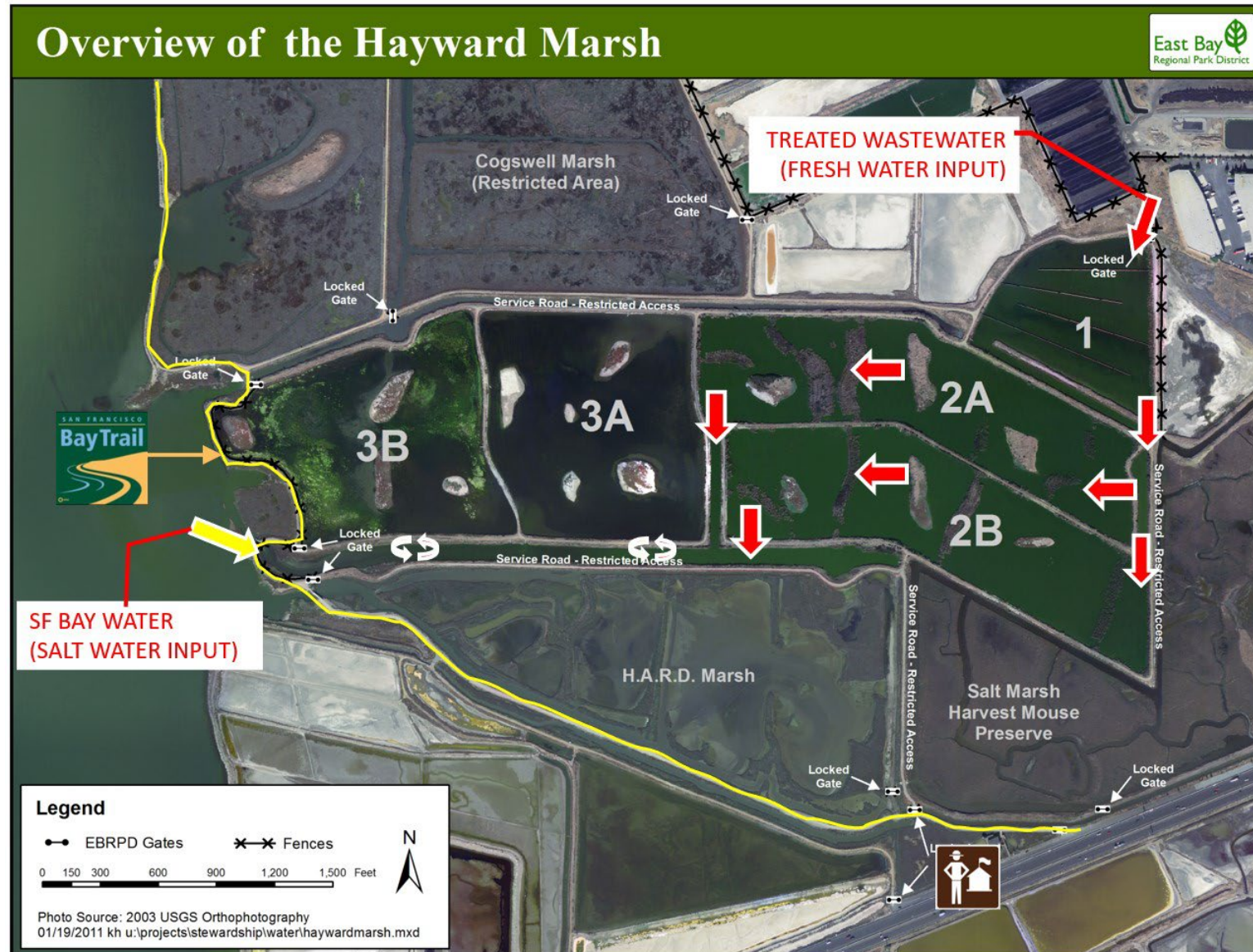
FORMER MARSH FUNCTION (4)



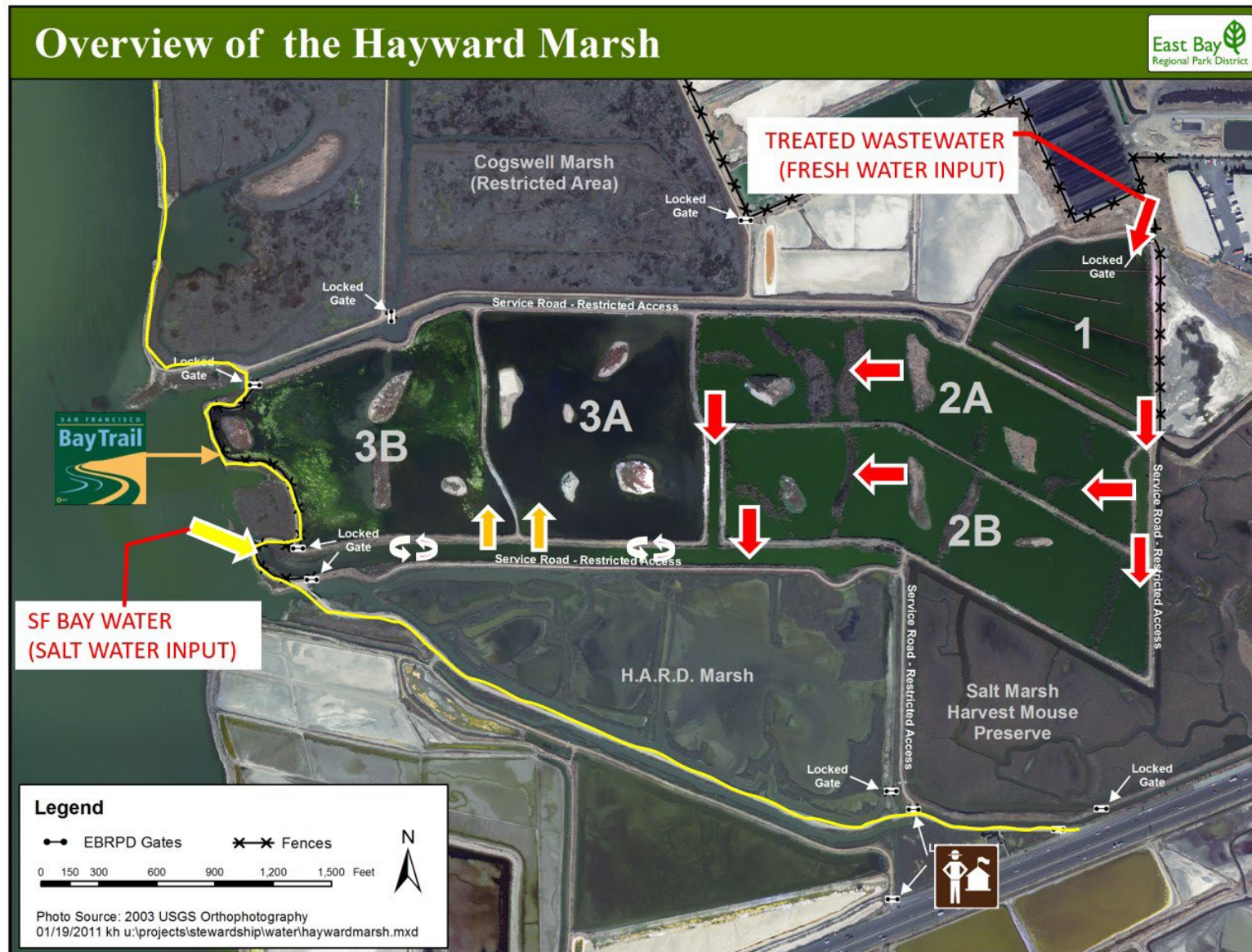
FORMER MARSH FUNCTION (5)



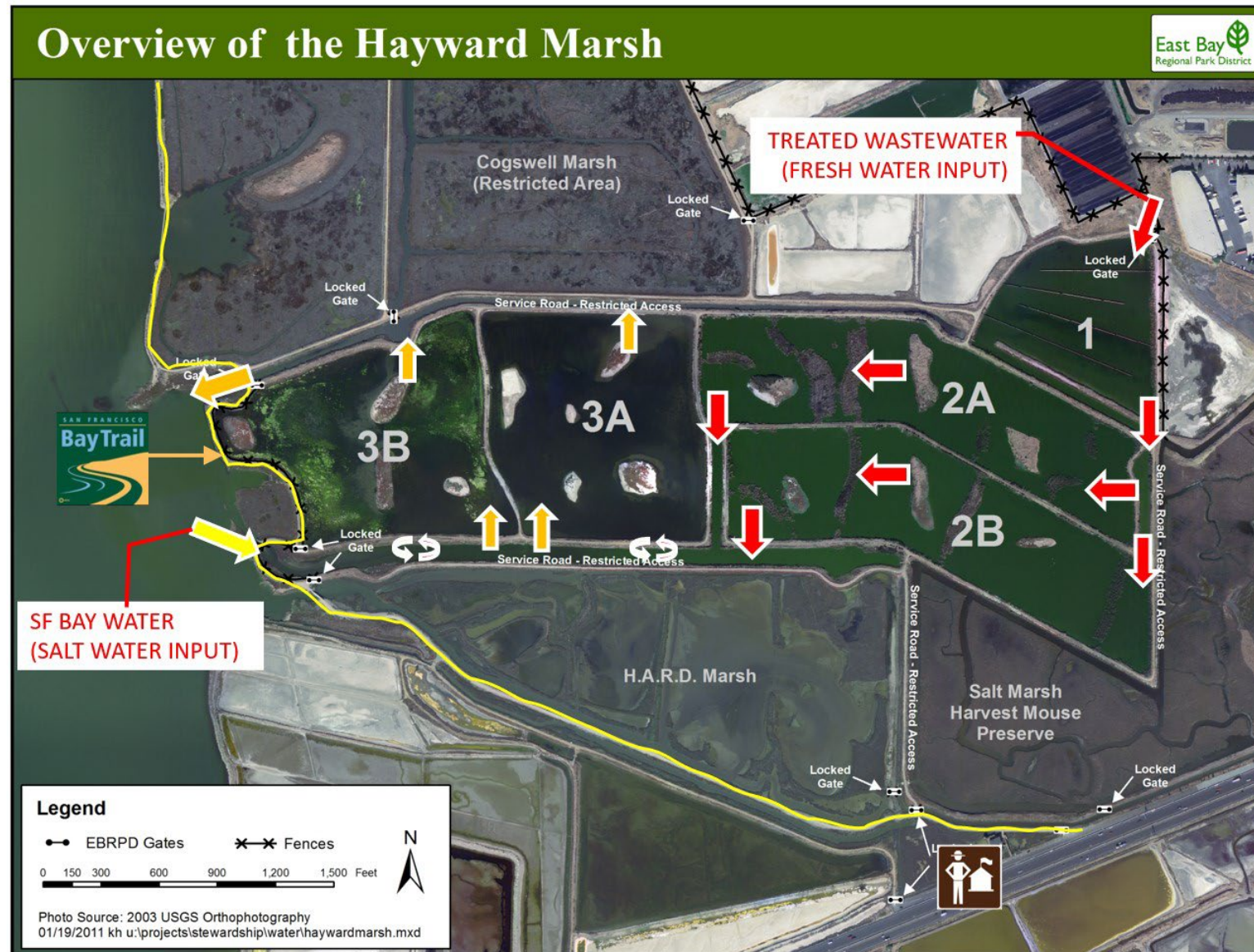
FORMER MARSH FUNCTION (6)



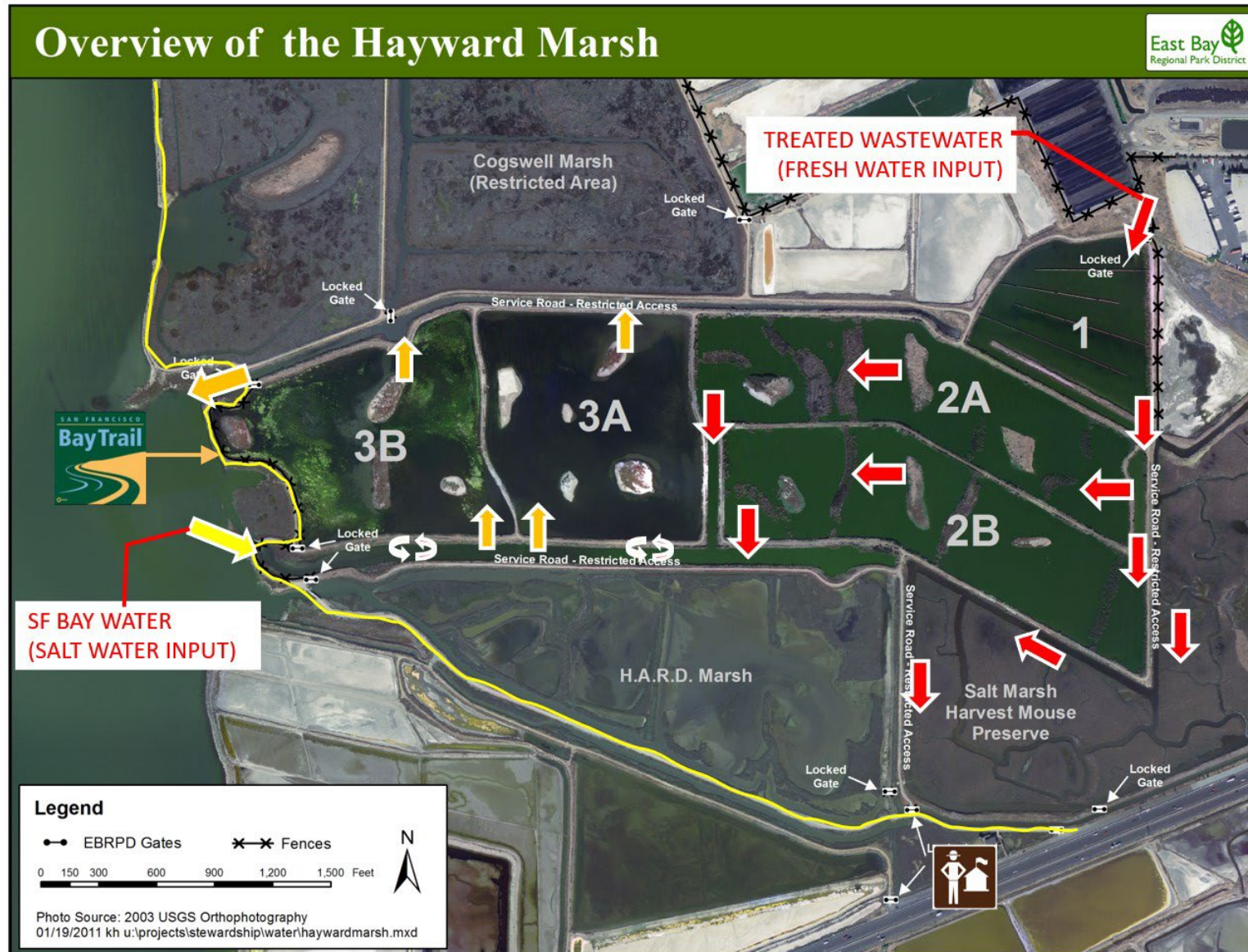
FORMER MARSH FUNCTION (7)



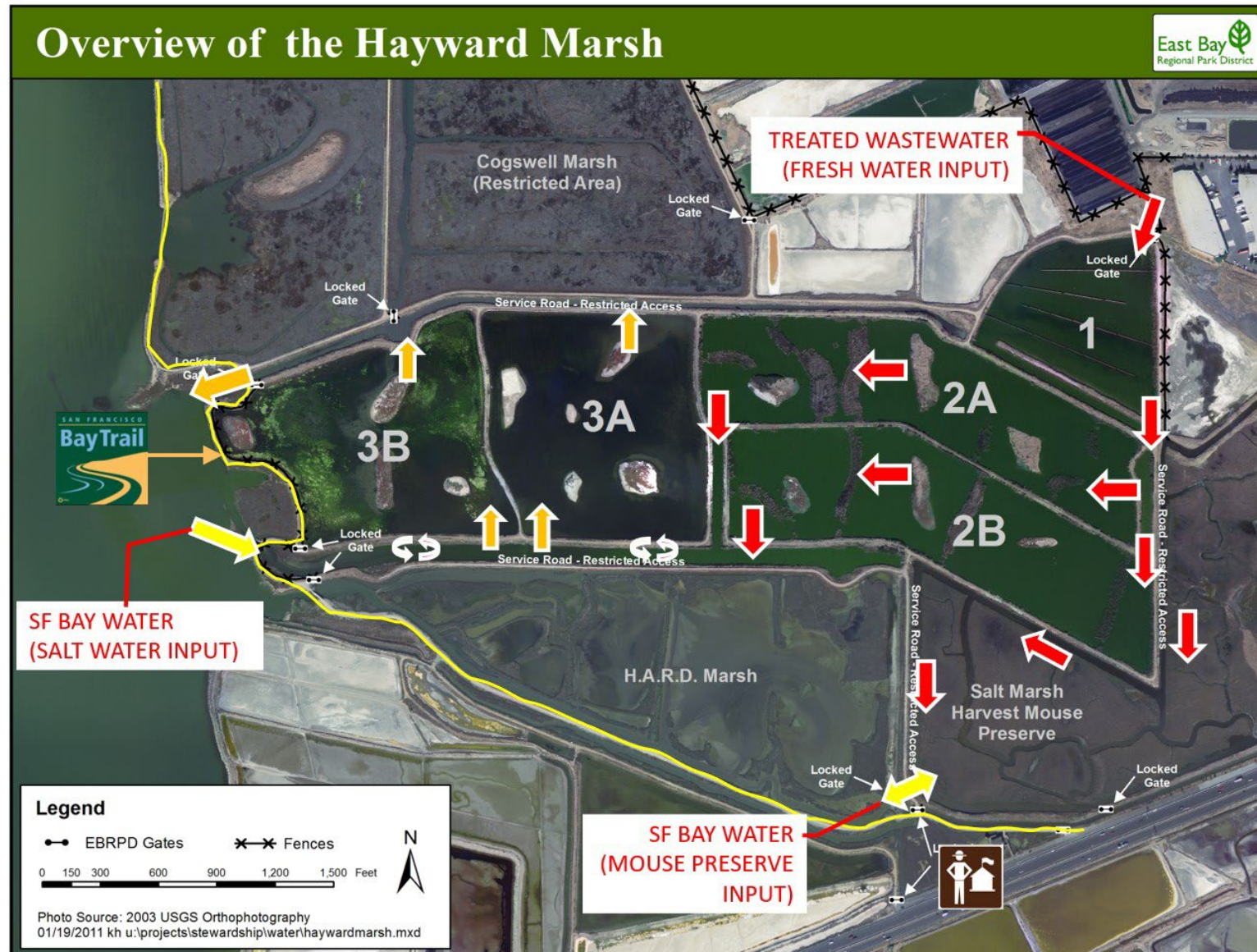
FORMER MARSH FUNCTION (8)



FORMER MARSH FUNCTION (9)



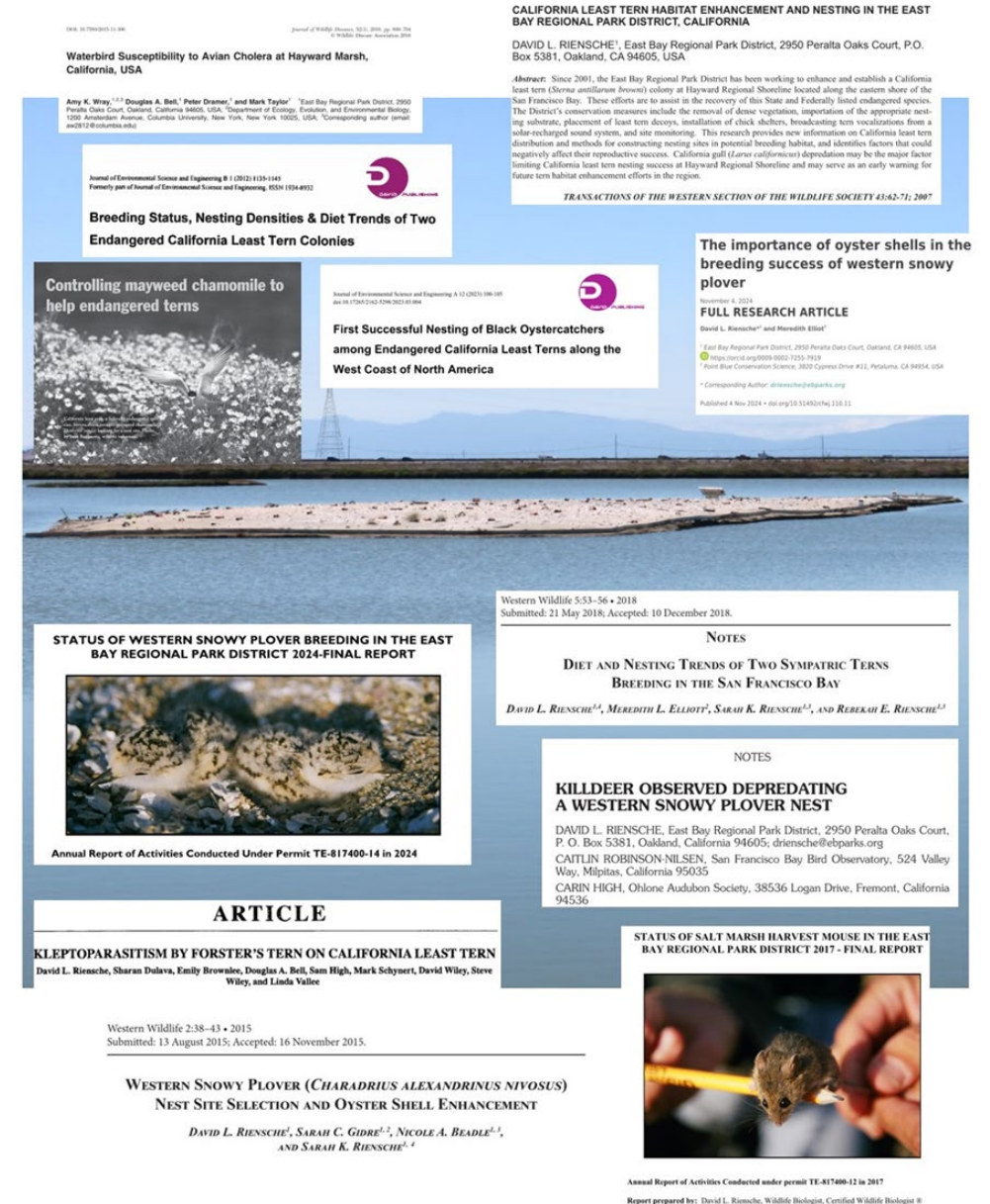
FORMER MARSH FUNCTION (10)



PROJECT CHRONOLOGY

- ☑ 2020 Summer: Feasibility, Technical Studies
- ☑ 2021 Summer/Fall: Outreach and Input
 - Public Workshops; Tribal Engagement (ongoing)
 - EBRPD Board Executive Committee, agency stakeholder outreach
- ☑ 2022 Winter/Spring: EBRPD Adoption of Preferred Concept
- ☐ 2023 – 2025: Design Development and Permit Authorizations*

*BRRIT Meetings in 2020, 2022, 2023, 2024, 2025



PROJECT OUTREACH AND INPUT

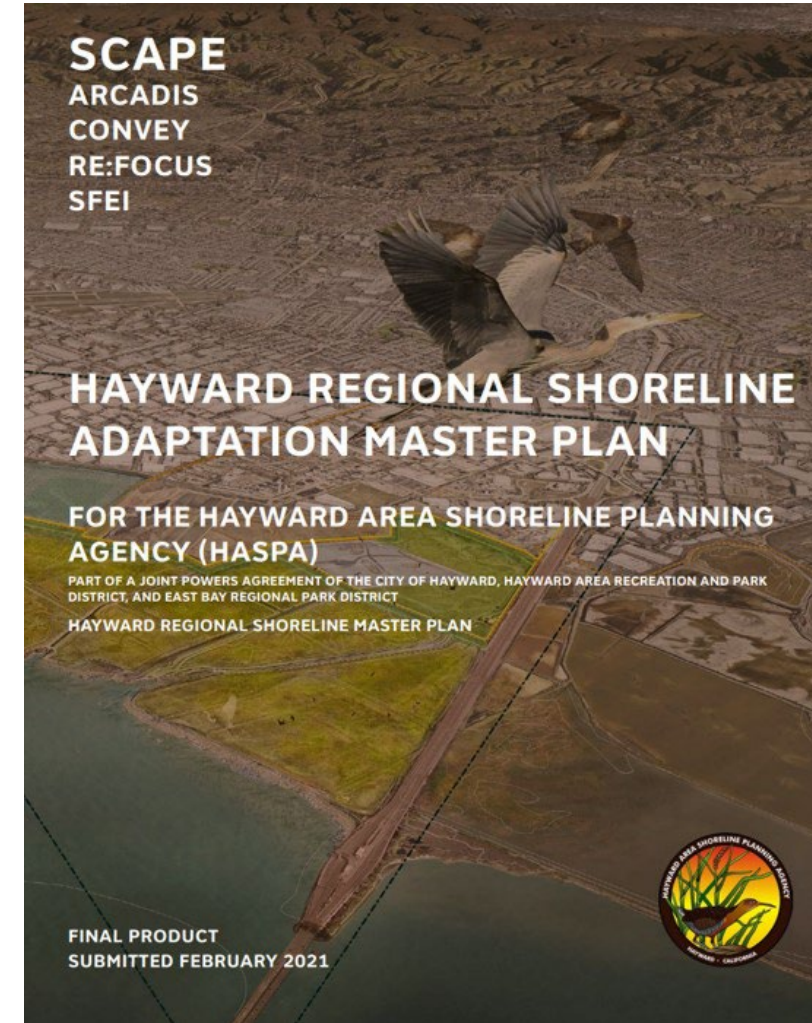
- Public Outreach and Participation Plan
- Project webpage and brochures
- Community engagement early on
 - Online public survey
 - Public workshop with a Spanish interpreter present
 - Various EBRPD Board and Board Executive Committee meetings (public meetings)
 - Two public EBRPD Board site visits (public meetings)
 - Two site visits hosted by EBRPD Legislative Affairs Department with participants from the Governor's Office and other State and local elected officials attending (public meeting)



HASPA SHORELINE ADAPTATION MASTER PLAN

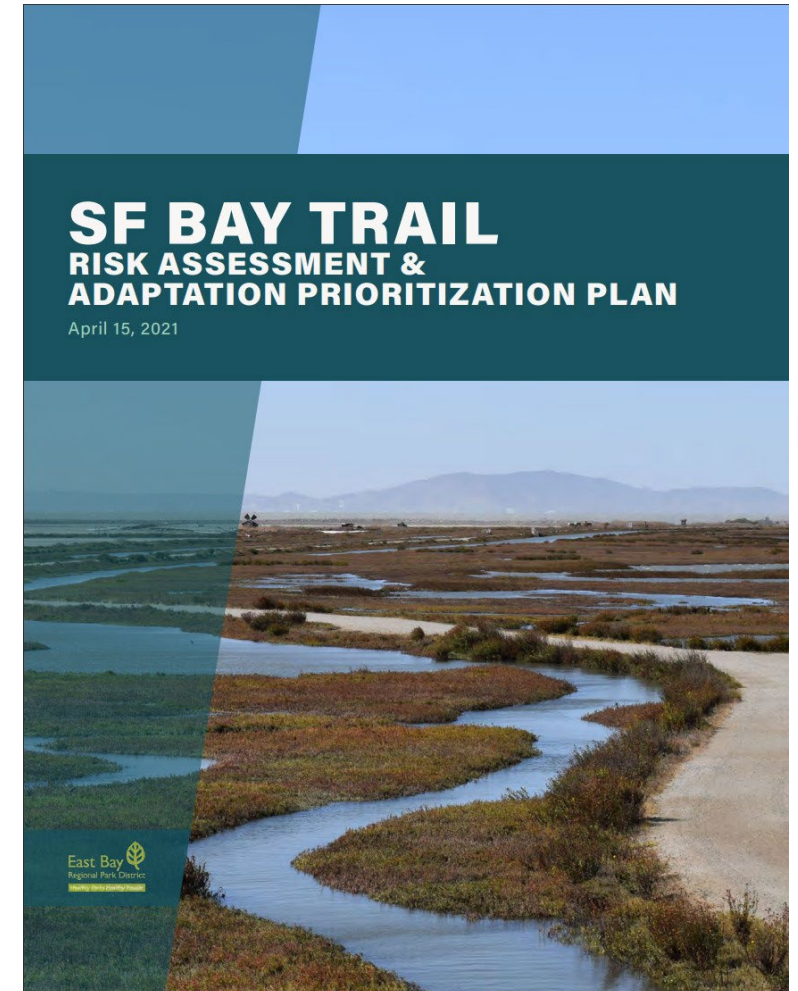
Project Implements the HASPA Master Plan

- ✓ Keep Bay Trail Along the SF Bay
- ✓ Adaptive Retreat Approach for the SF Bay Trail and Least Tern Islands
- ✓ Tidal Marsh Connectivity To Cogswell and HARD Marsh



SF BAY TRAIL RISK ASSESSMENT & ADAPTATION PRIORITIZATION PLAN (RAAPP)

RAAPP includes assessment of Bay Trail at Hayward Shoreline

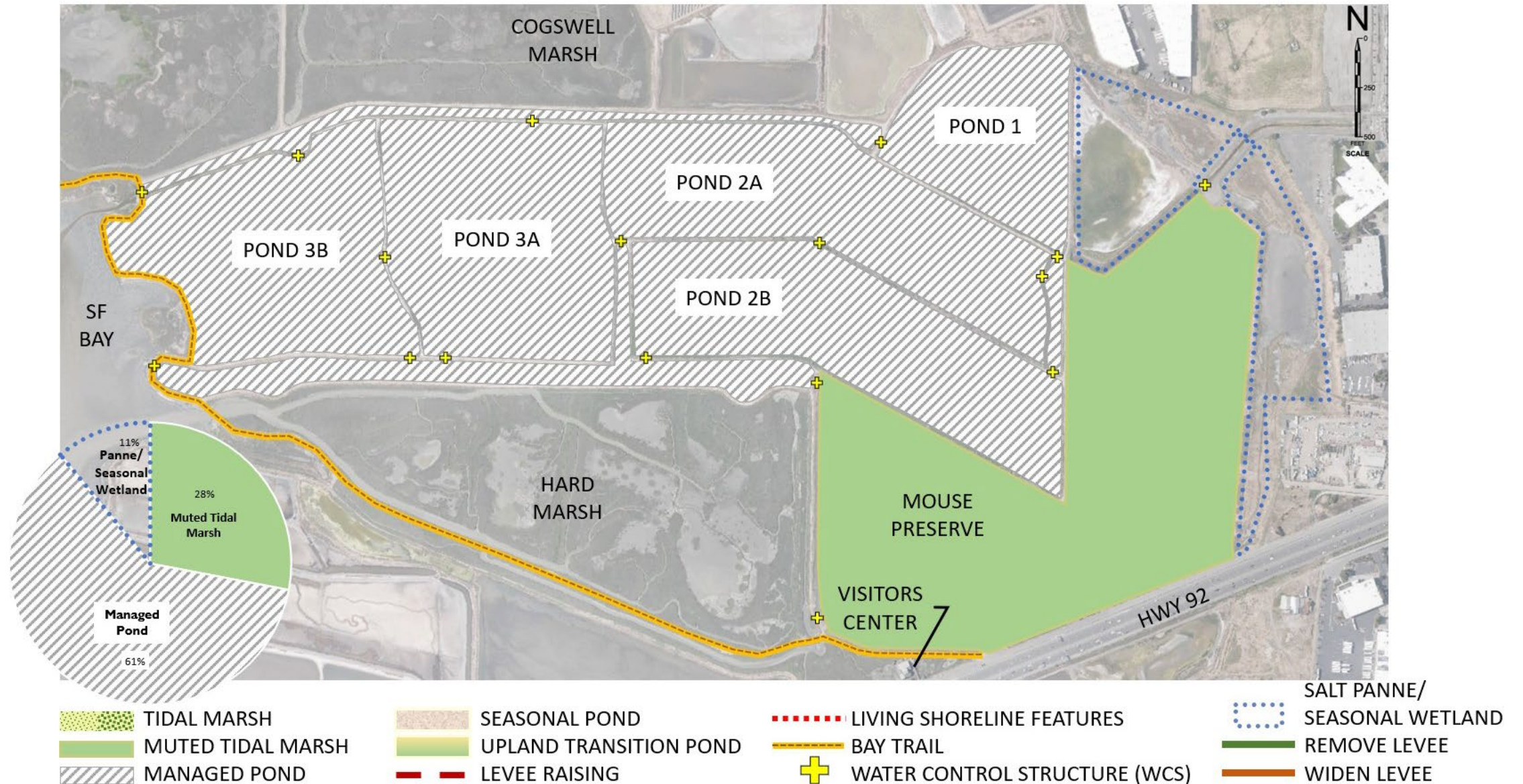


PROJECT GOALS

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

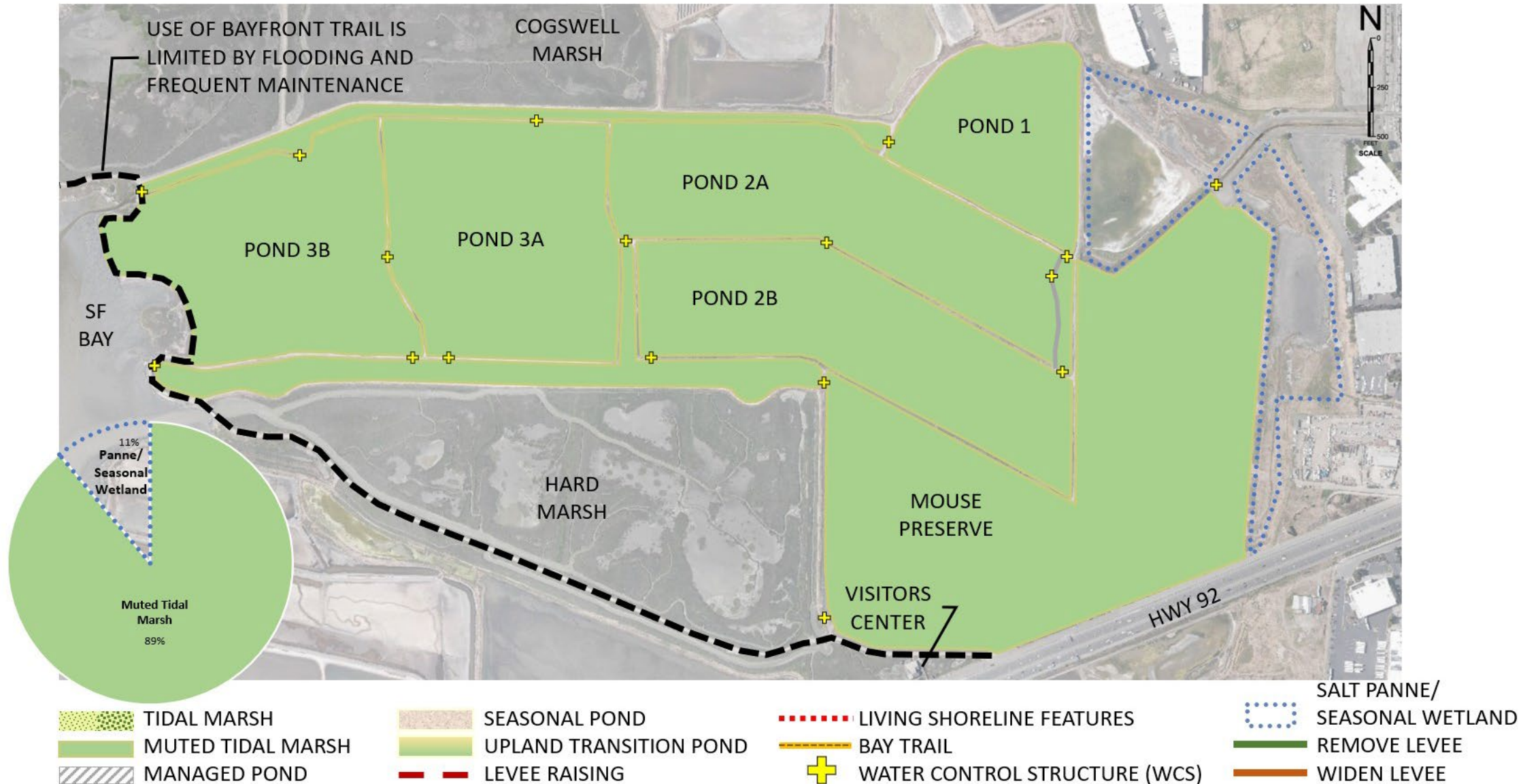


NO ACTION (EXISTING CONDITION)



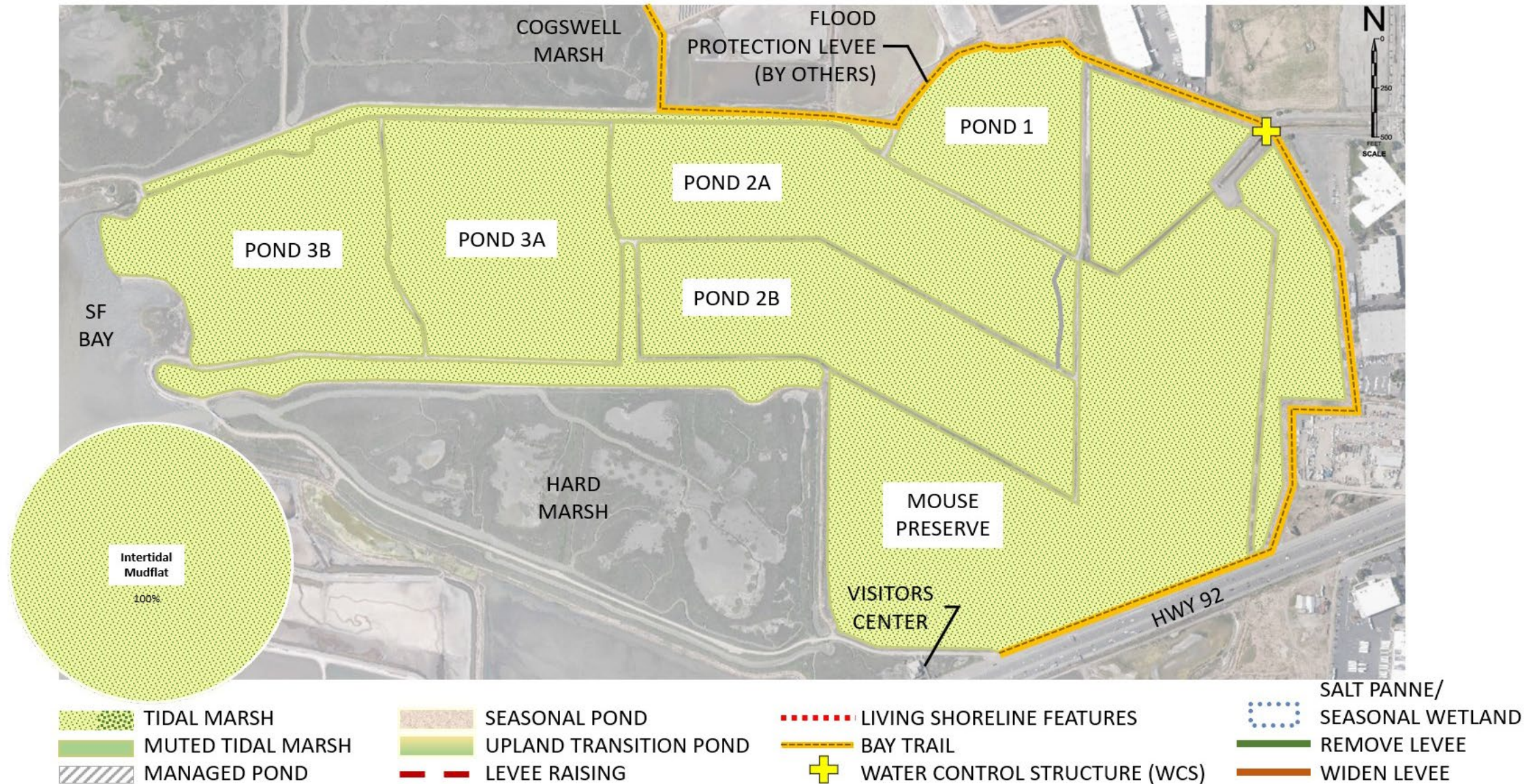
NO ACTION

MEDIUM TERM ~20+ YEARS (2 FEET SEA LEVEL RISE)



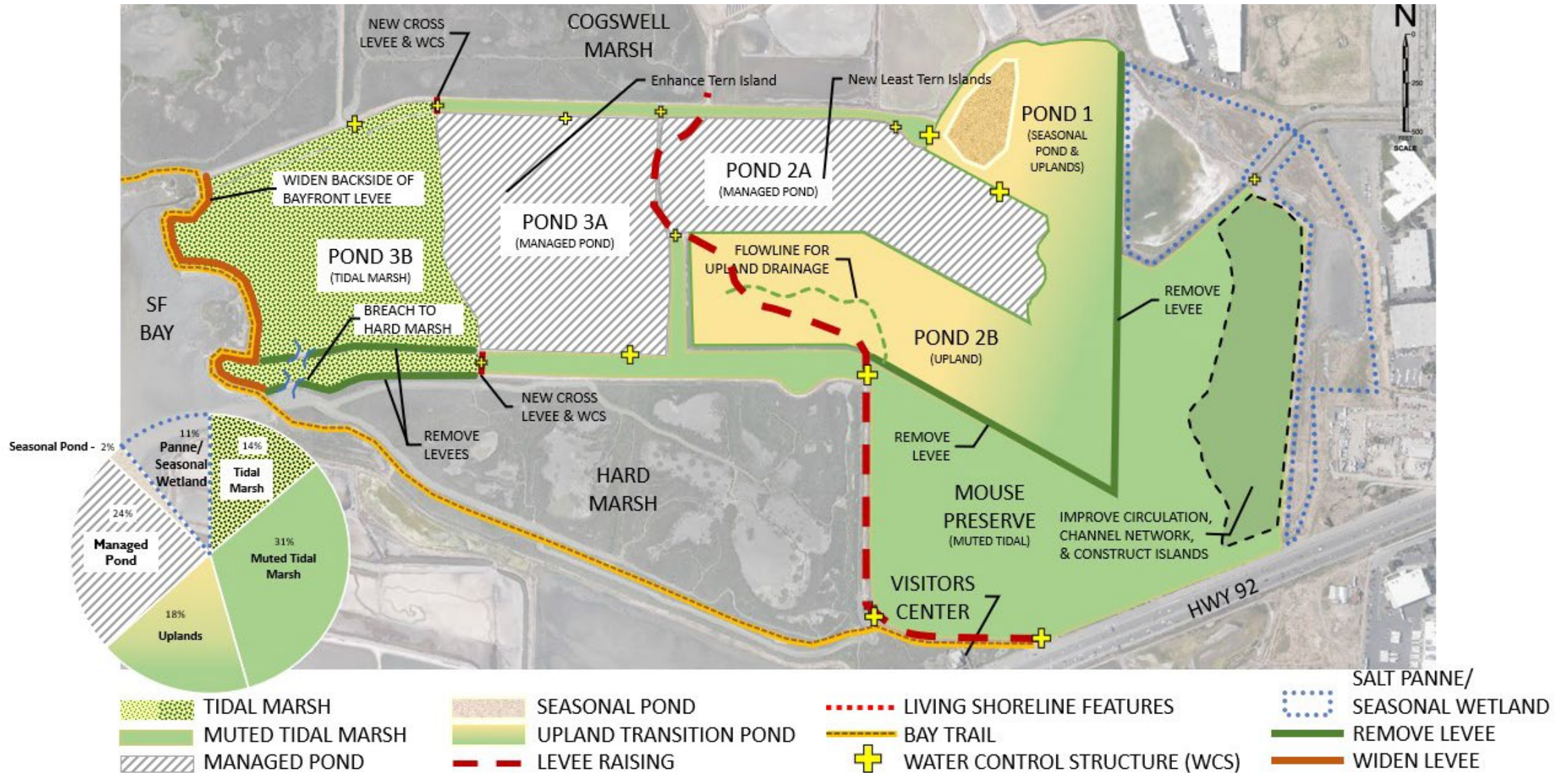
NO ACTION

LONG TERM ~50 YEARS (5 FT SEA LEVEL RISE)



PREFERRED CONCEPT (1)

NEAR TERM ~ 0 - 20 YEARS



PREFERRED CONCEPT (2)

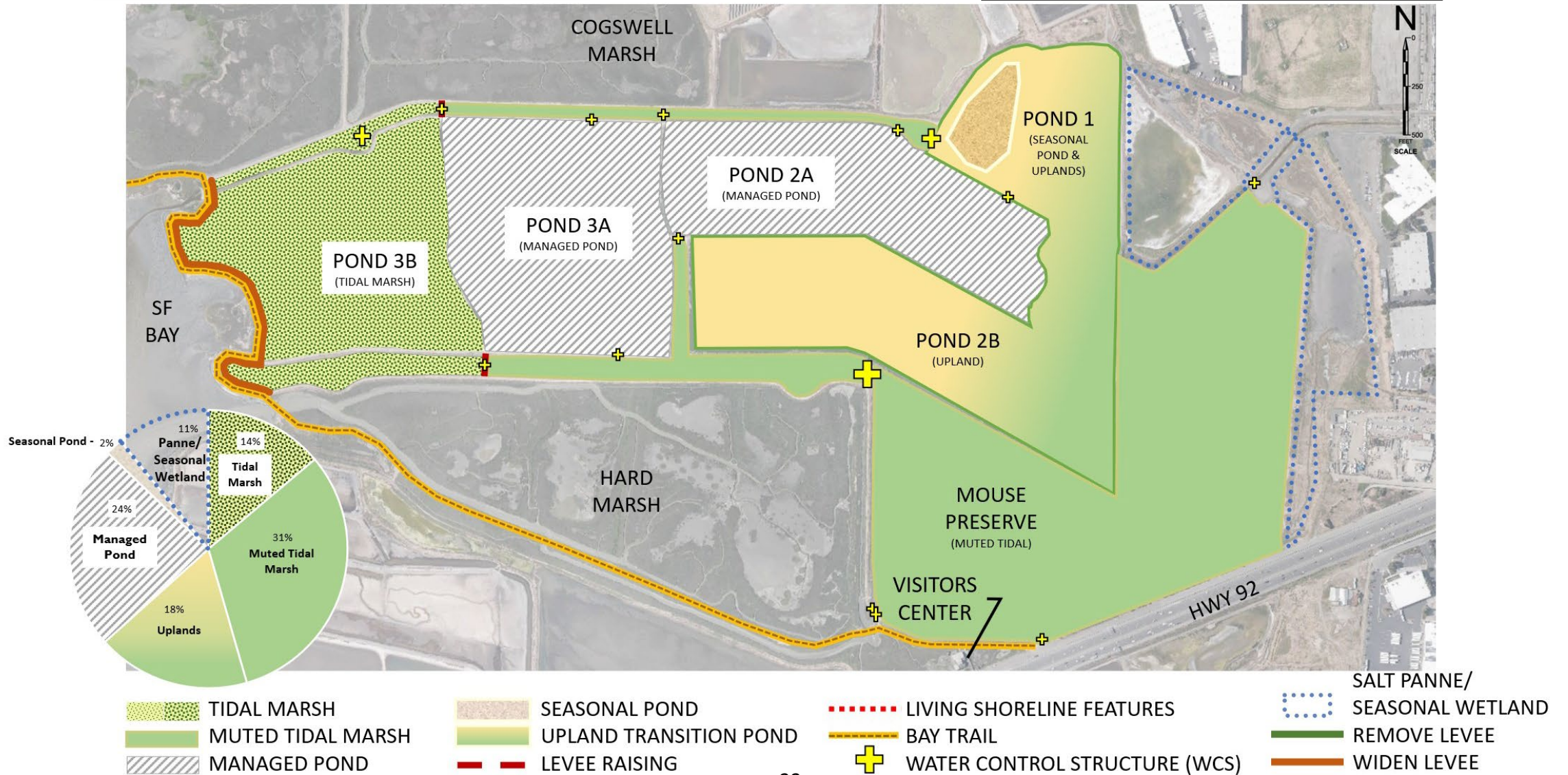
NEAR TERM ~ 0 – 20 YEARS



ENHANCE WILDLIFE HABITAT



PLAN FOR SEA LEVEL RISE



PREFERRED CONCEPT (3)

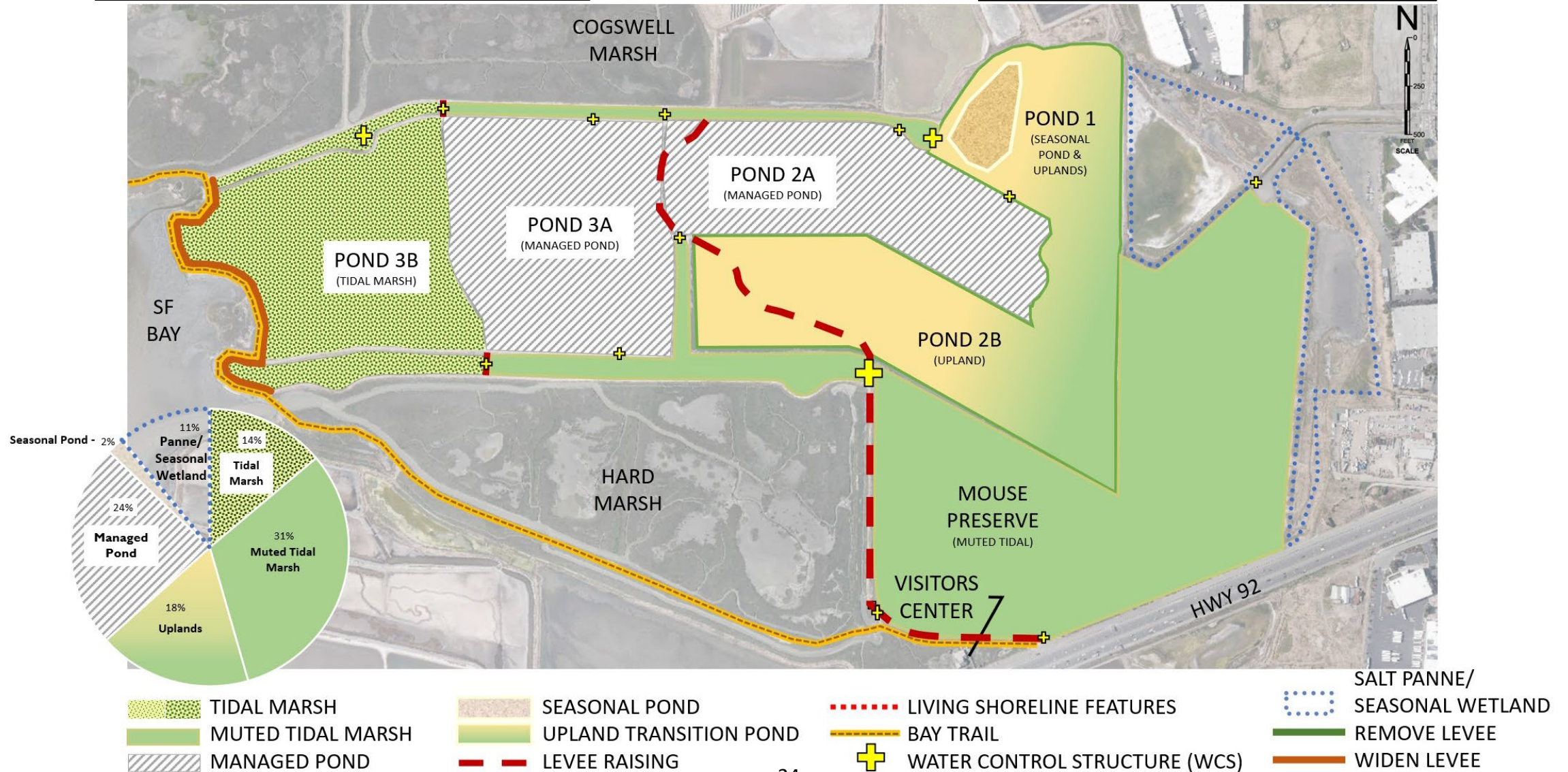
NEAR TERM ~ 0 – 20 YEARS



ENHANCE WILDLIFE HABITAT



PLAN FOR SEA LEVEL RISE



PREFERRED CONCEPT (4)

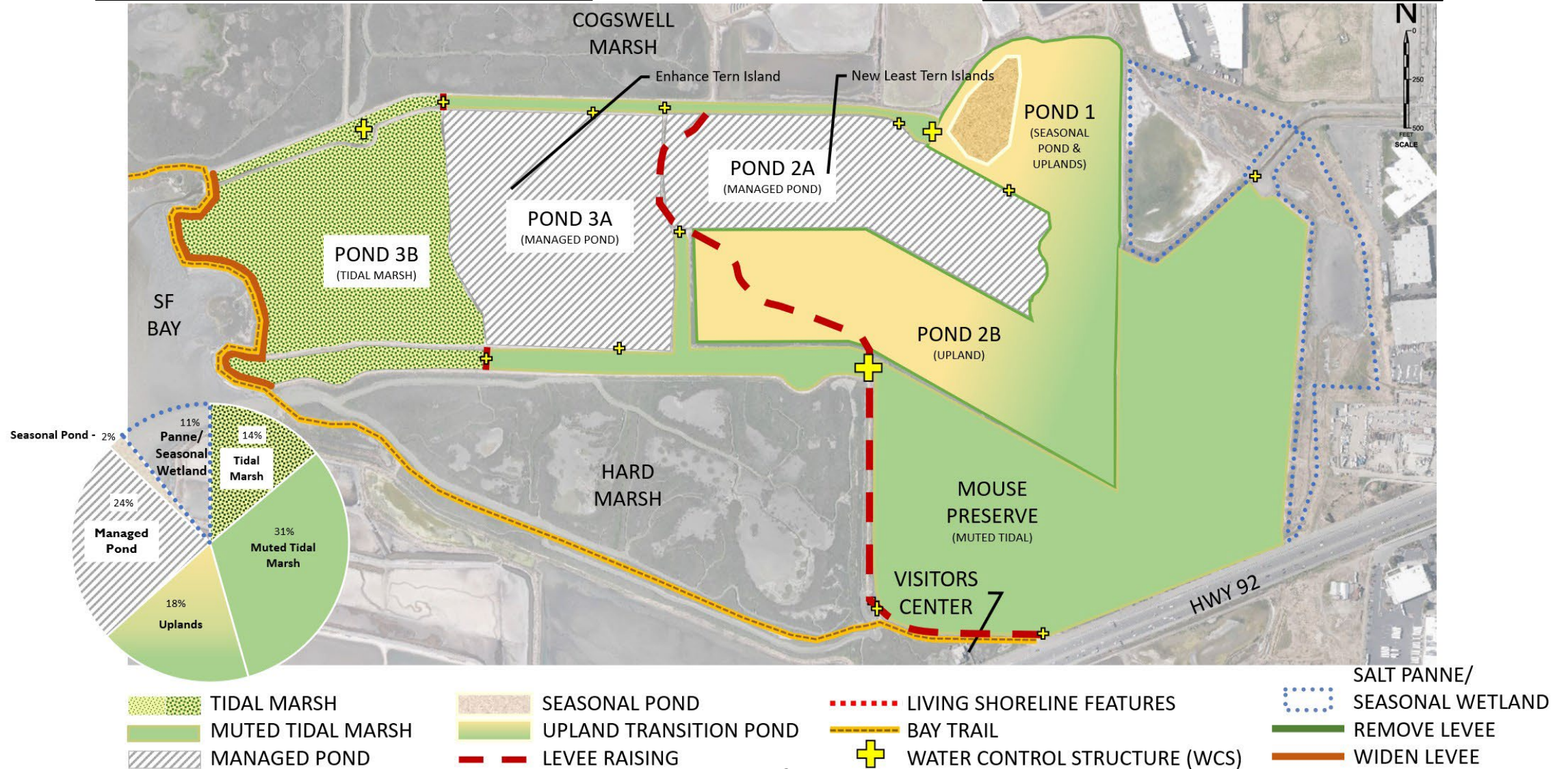
NEAR TERM ~ 0 – 20 YEARS



ENHANCE WILDLIFE HABITAT



PLAN FOR SEA LEVEL RISE



PREFERRED CONCEPT (5)

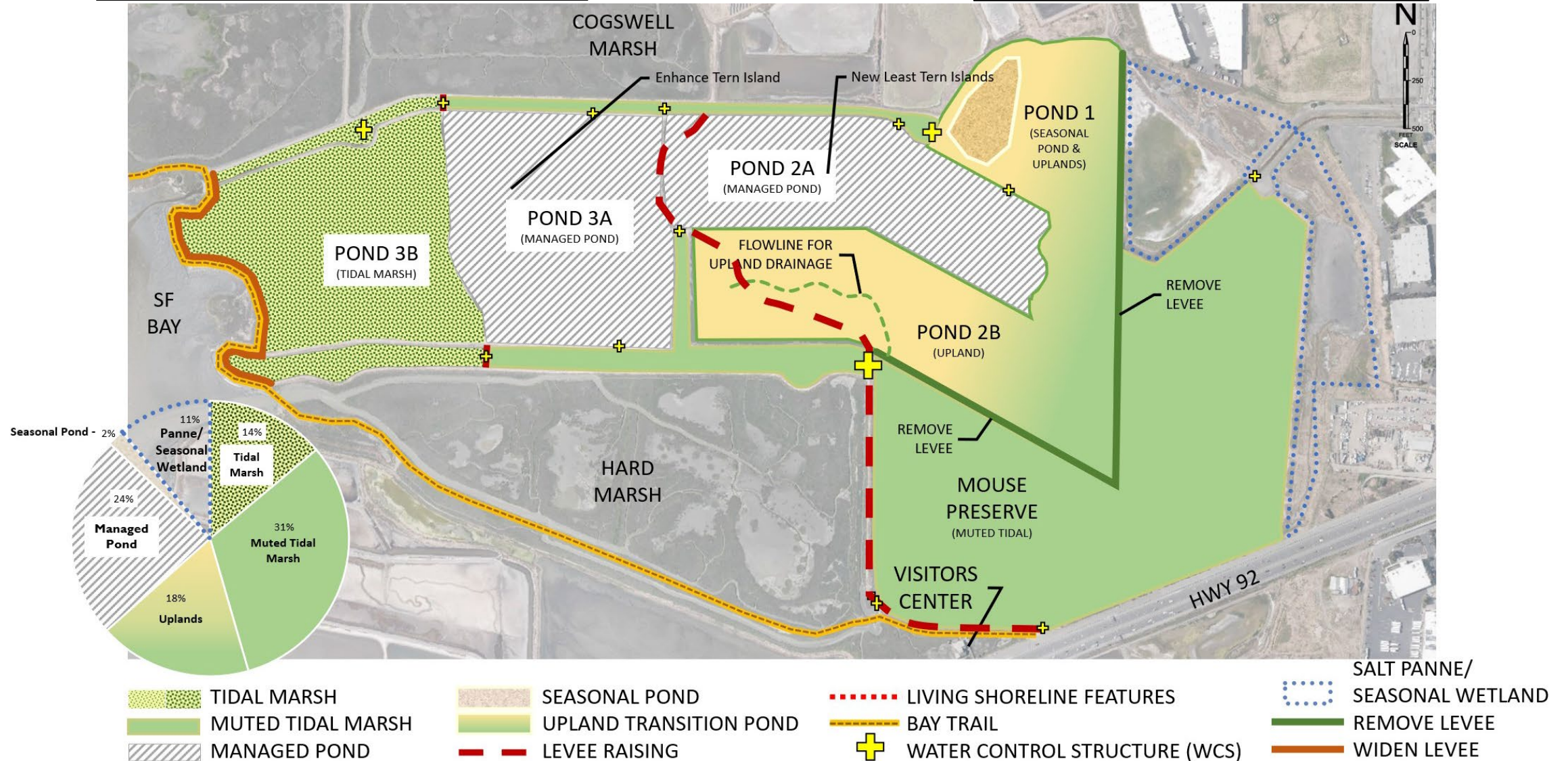
NEAR TERM ~ 0 – 20 YEARS



ENHANCE WILDLIFE HABITAT



PLAN FOR SEA LEVEL RISE



PREFERRED CONCEPT (6)

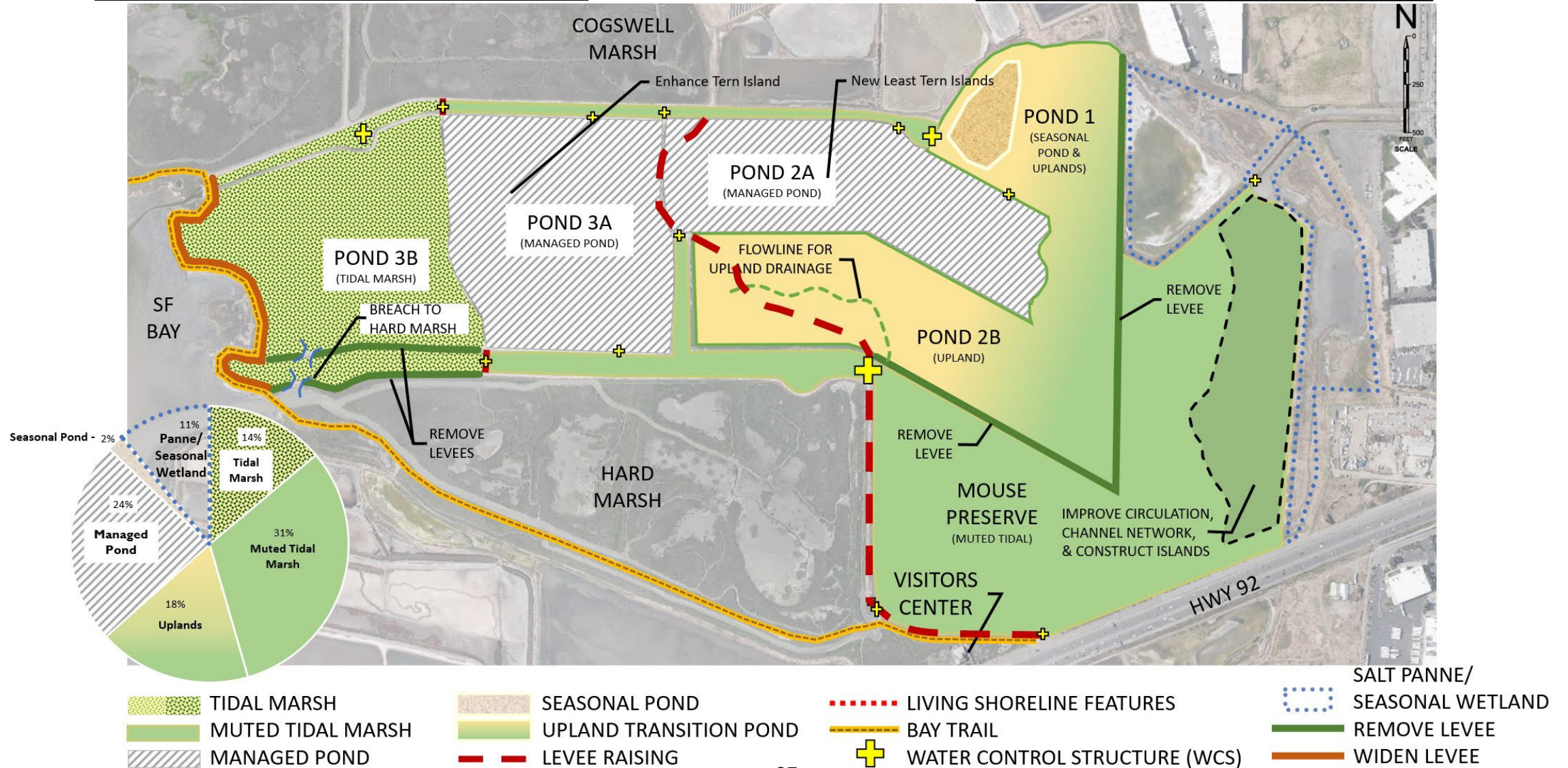
NEAR TERM ~ 0 – 20 YEARS



ENHANCE WILDLIFE HABITAT



PLAN FOR SEA LEVEL RISE



PREFERRED CONCEPT (7)

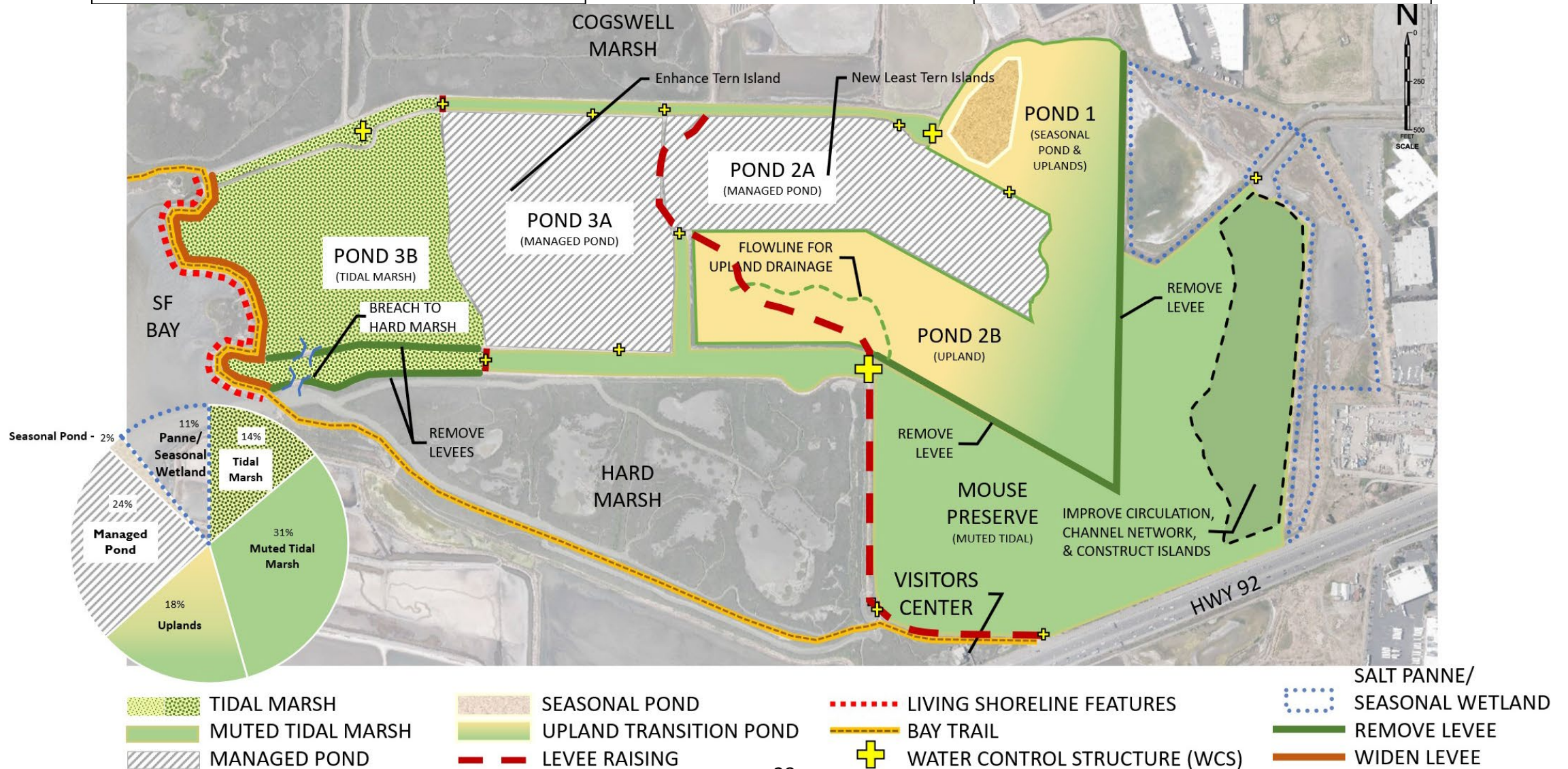
NEAR TERM ~ 0 – 20 YEARS



ENHANCE WILDLIFE HABITAT



PLAN FOR SEA LEVEL RISE



PREFERRED CONCEPT (8)

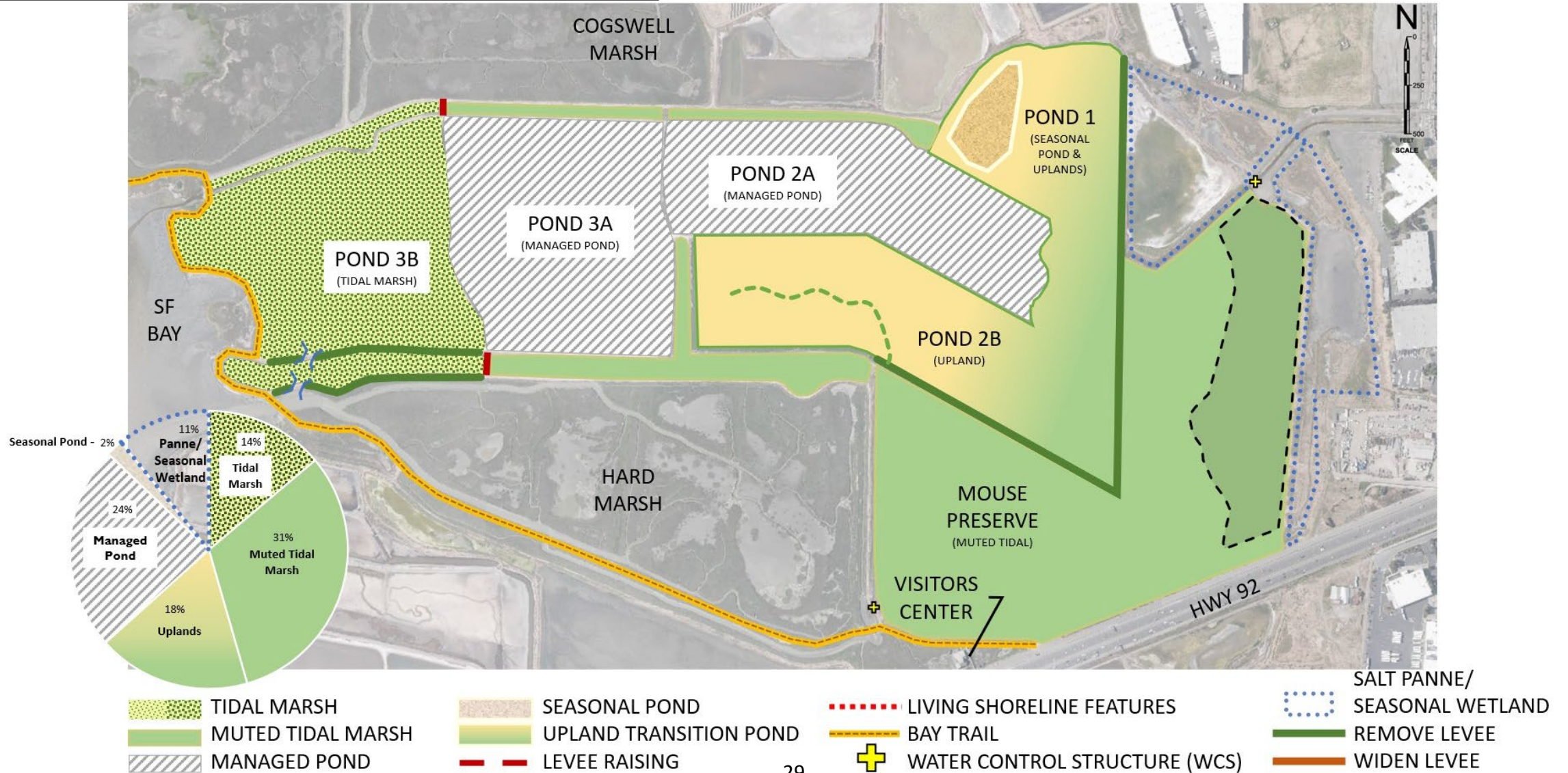
NEAR TERM ~ 0 – 20 YEARS



IMPROVE PUBLIC ACCESS OPPORTUNITIES



IMPROVE MANAGEMENT CAPABILITIES



PREFERRED CONCEPT (9)

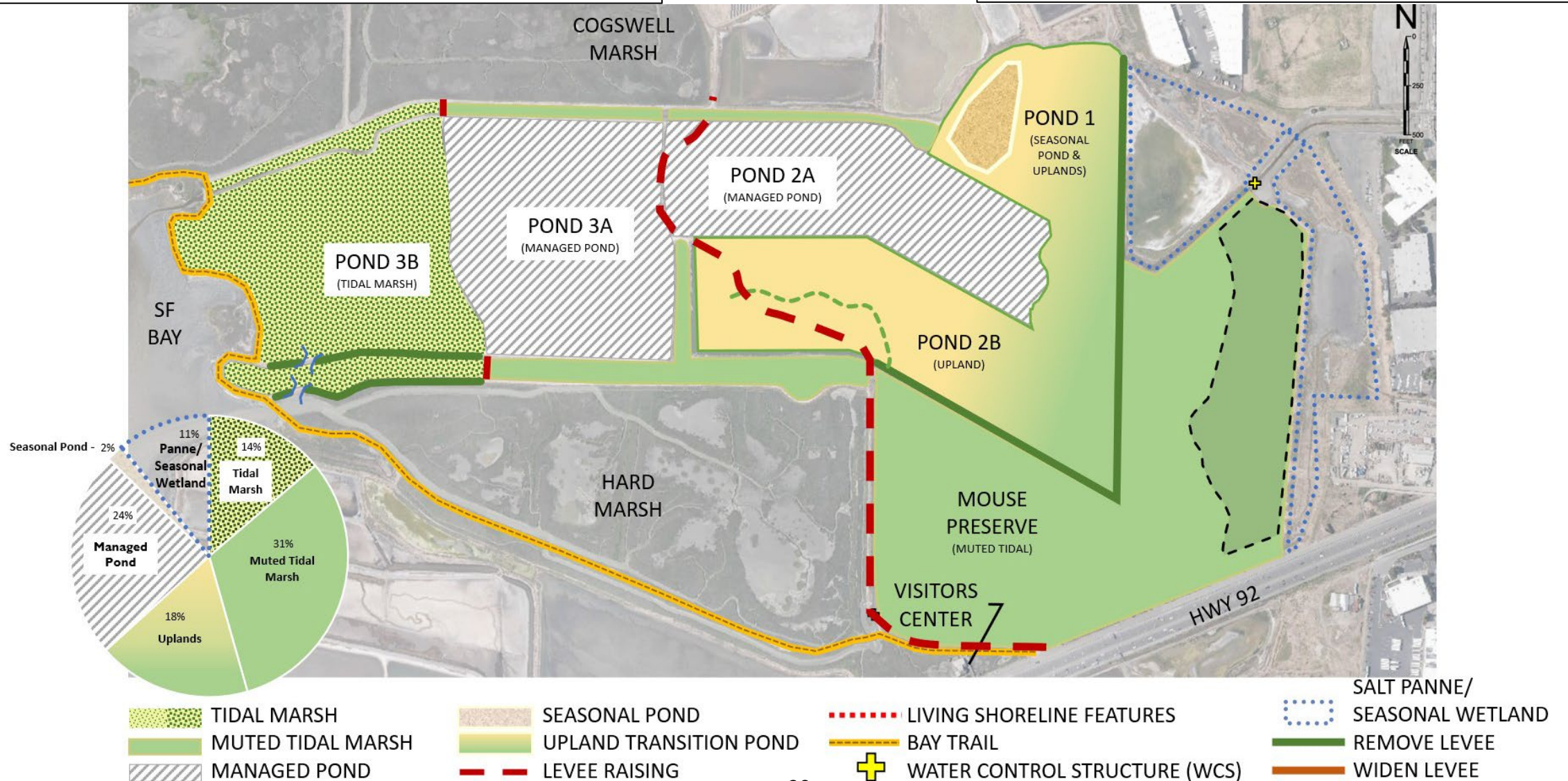
NEAR TERM ~ 0 – 20 YEARS



IMPROVE PUBLIC ACCESS OPPORTUNITIES



IMPROVE MANAGEMENT CAPABILITIES

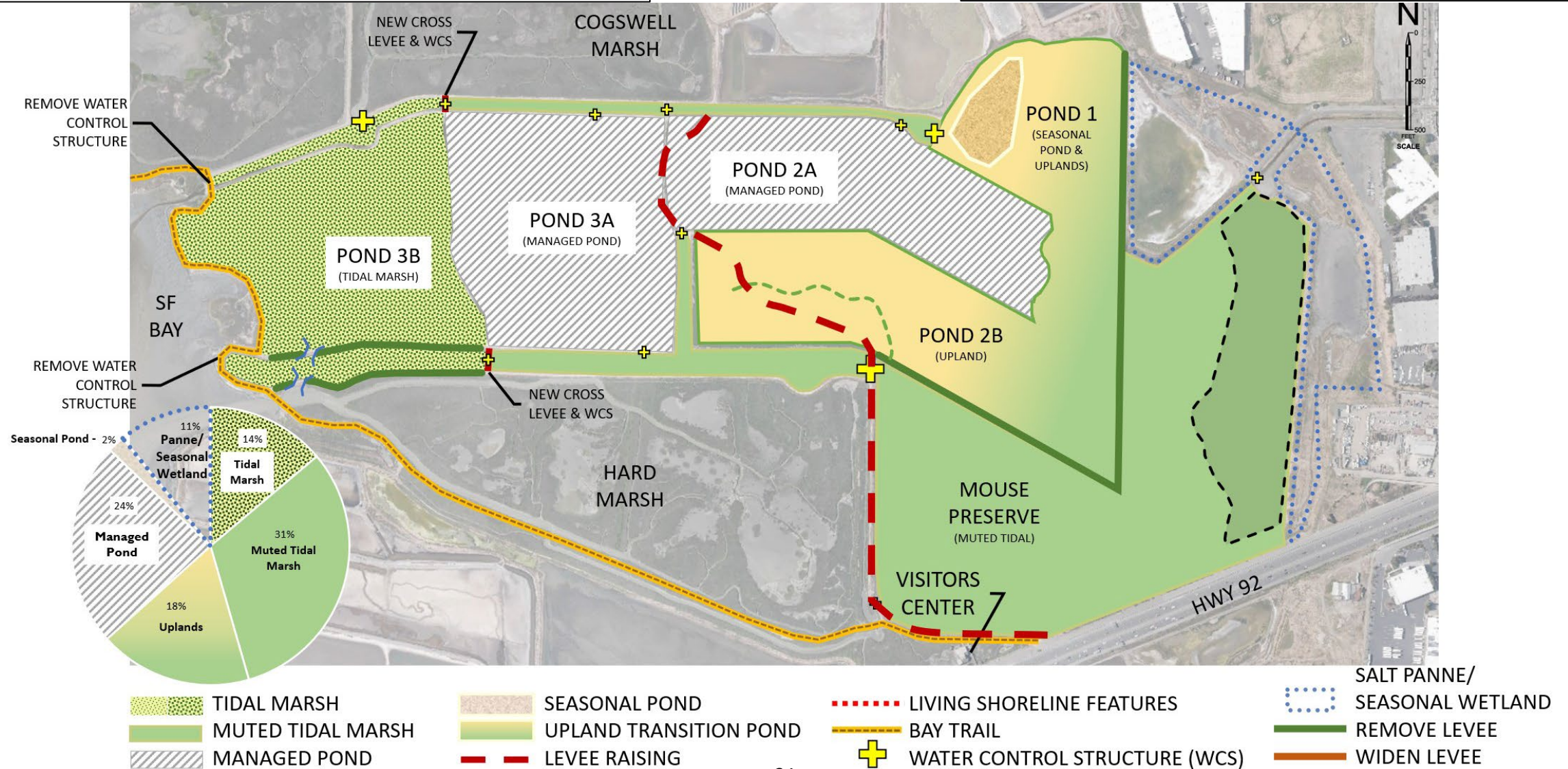


PREFERRED CONCEPT (10)

NEAR TERM ~ 0 – 20 YEARS

☑ IMPROVE PUBLIC ACCESS OPPORTUNITIES

☑ IMPROVE MANAGEMENT CAPABILITIES

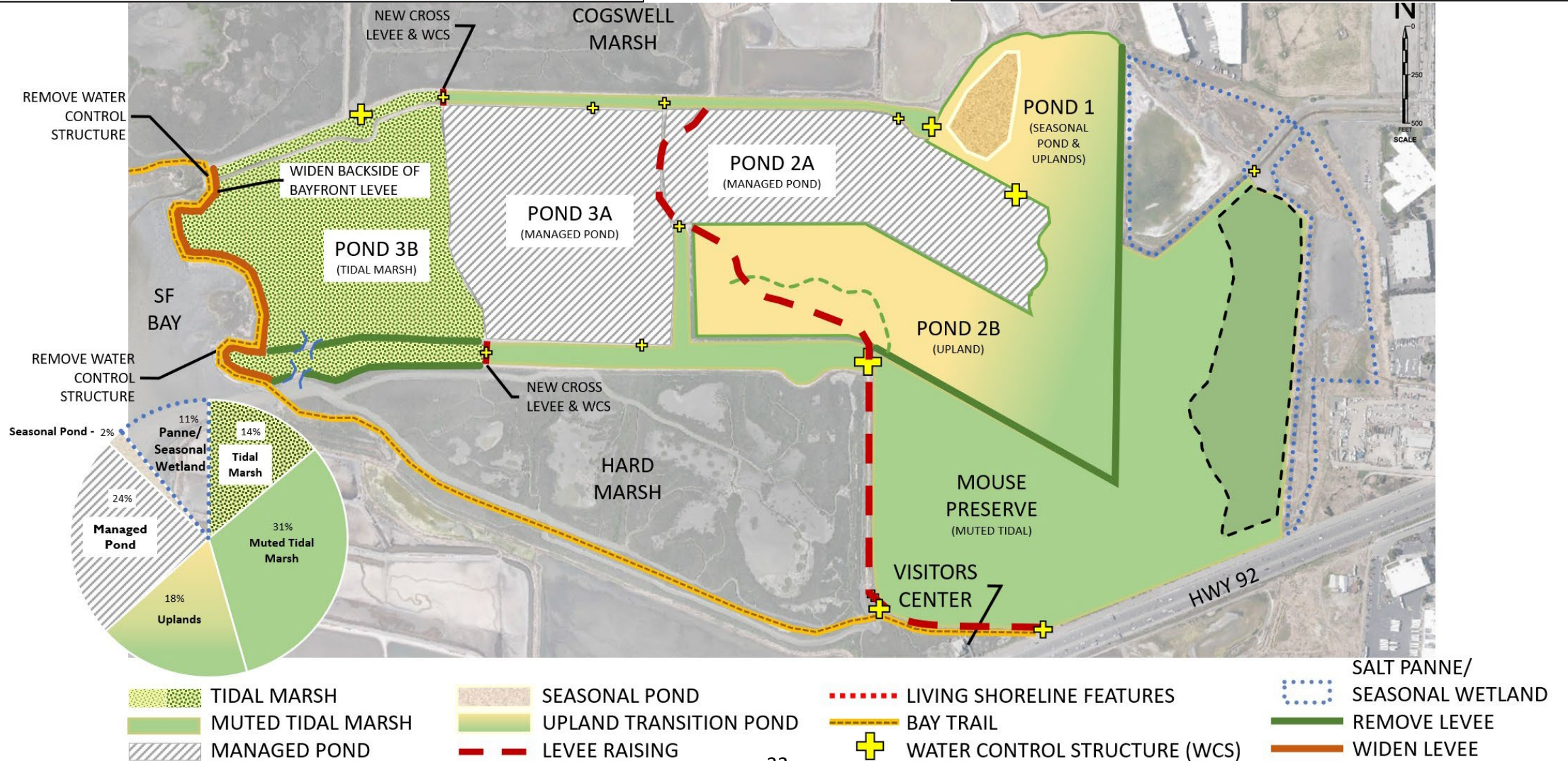


PREFERRED CONCEPT (11)

NEAR TERM ~ 0 – 20 YEARS

☒ IMPROVE PUBLIC ACCESS OPPORTUNITIES

☒ IMPROVE MANAGEMENT CAPABILITIES



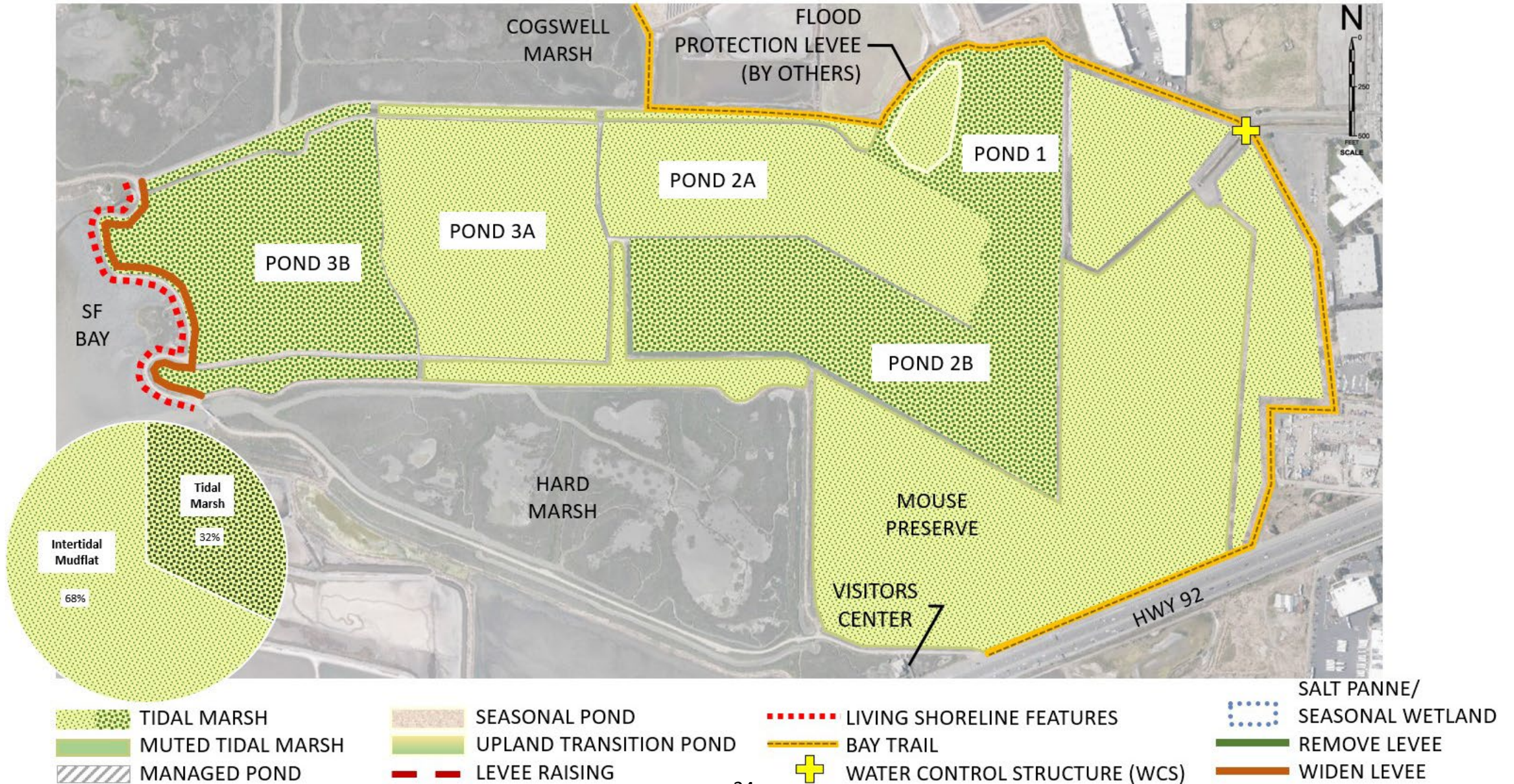
PREFERRED CONCEPT (12)

MEDIUM TERM ~ 20+ YEARS (2 FT SEA LEVEL RISE)



PREFERRED CONCEPT (13)

LONG TERM ~ 50+ YEARS (5 FEET SEA LEVEL RISE)



NEXT STEPS

- ✓ 2020 Summer: Feasibility, Technical Studies
 - ✓ 2021 Summer/Fall: Outreach and Input
 - Public Workshops; Tribal Engagement
 - EBRPD Board Executive Committee, agency stakeholder outreach
 - ✓ 2022 Winter/Spring: EBRPD Adoption of Preferred Concept
- 2023 – 2025: Design Development and Permit Authorizations*
 - 2025: EBRPD Board Authorization; Fund Raising
 - 2025/2026: Implementation Outreach
 - 2025/2026: Site Preparation / Construction

*BRRIT Meetings in 2020, 2022, 2023, 2024, 2025



THANK YOU



<https://www.ebparks.org/projects/restore-hayward-marsh-project>