Los Cerritos Wetlands Restoration Plan Program Environmental Impact Report

Work Plan Update

LCWA Board Meeting

March 5, 2020

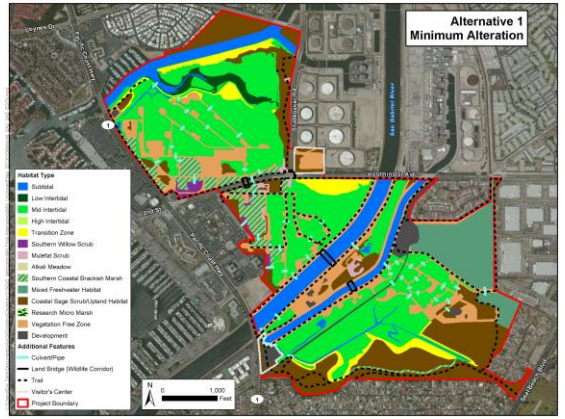
Los Cerritos Wetlands Authority

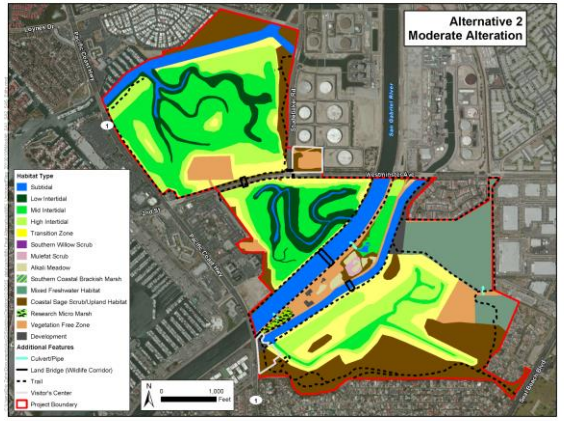
Presentation Overview

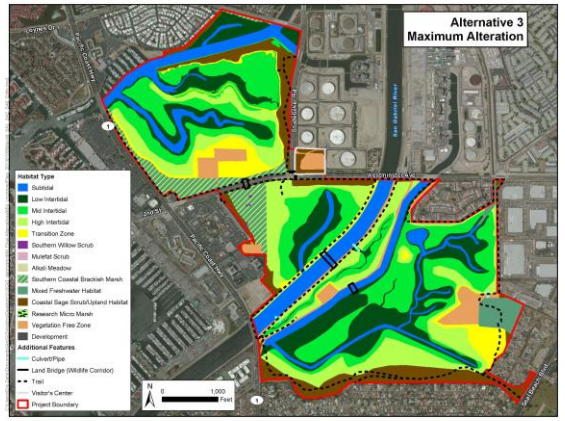
- Los Cerritos Wetlands Restoration Planning Process
- CEQA Overview
- Proposed Restoration Program
- Upcoming Dates

Restoration Planning History

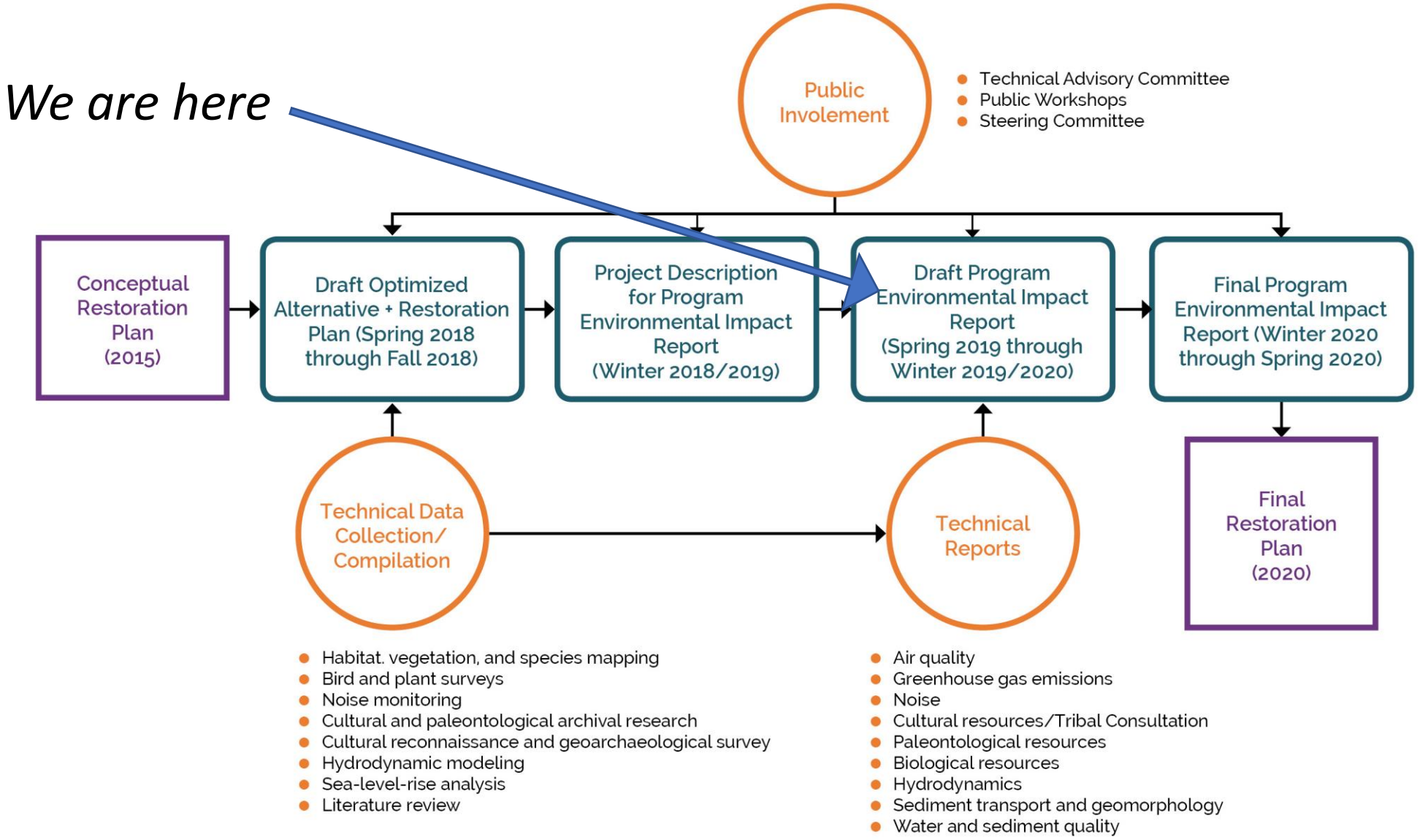
- LCWA Board approved the Los Cerritos Wetlands Conceptual Restoration Plan in August 2015
- Conceptual Plan Included 3 Restoration Alternatives: Minimum Alteration, Moderate Alteration, Maximum Alteration
- Funding received in 2017 to initiate next steps: prepare Program Environmental Impact Report (PEIR) and Final Restoration Plan



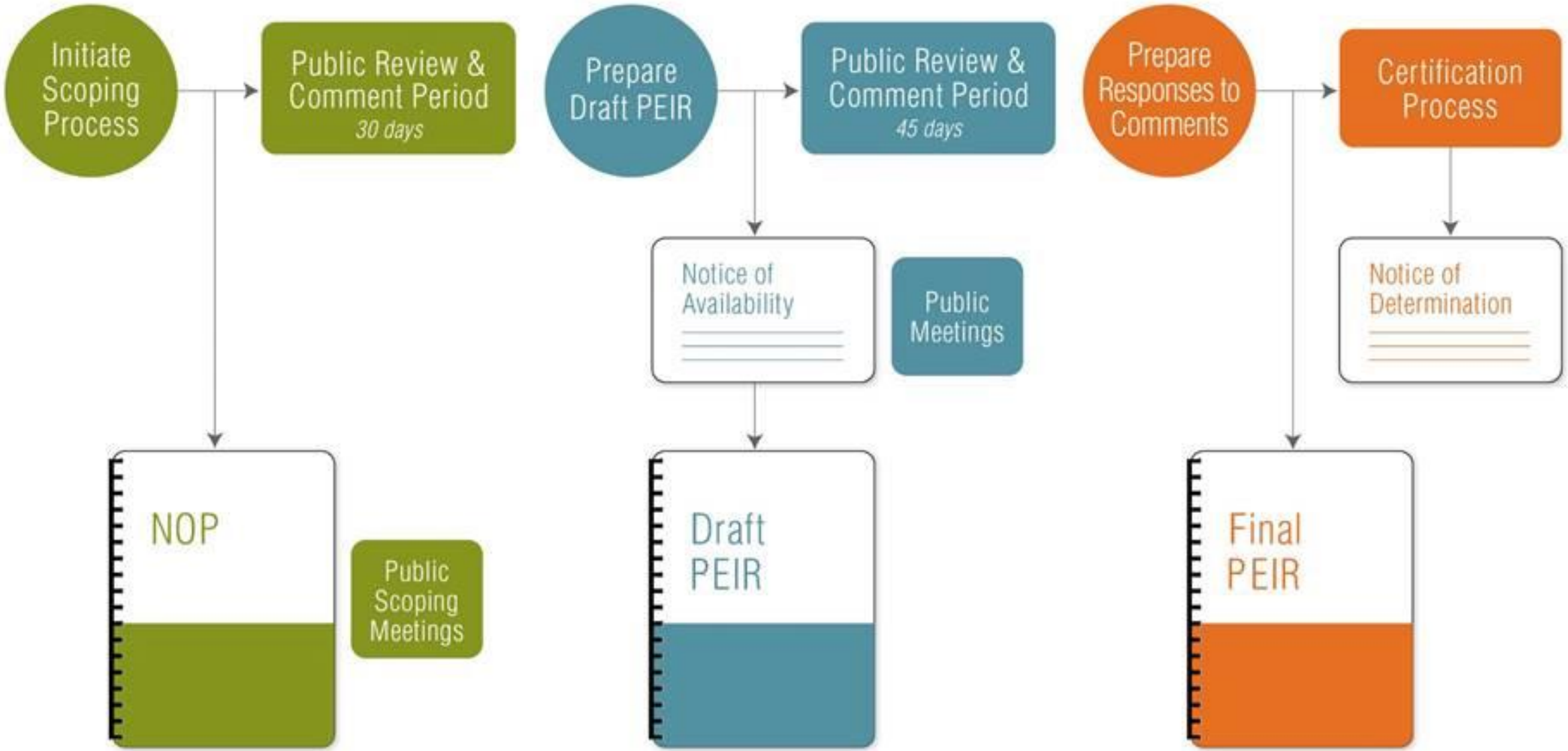




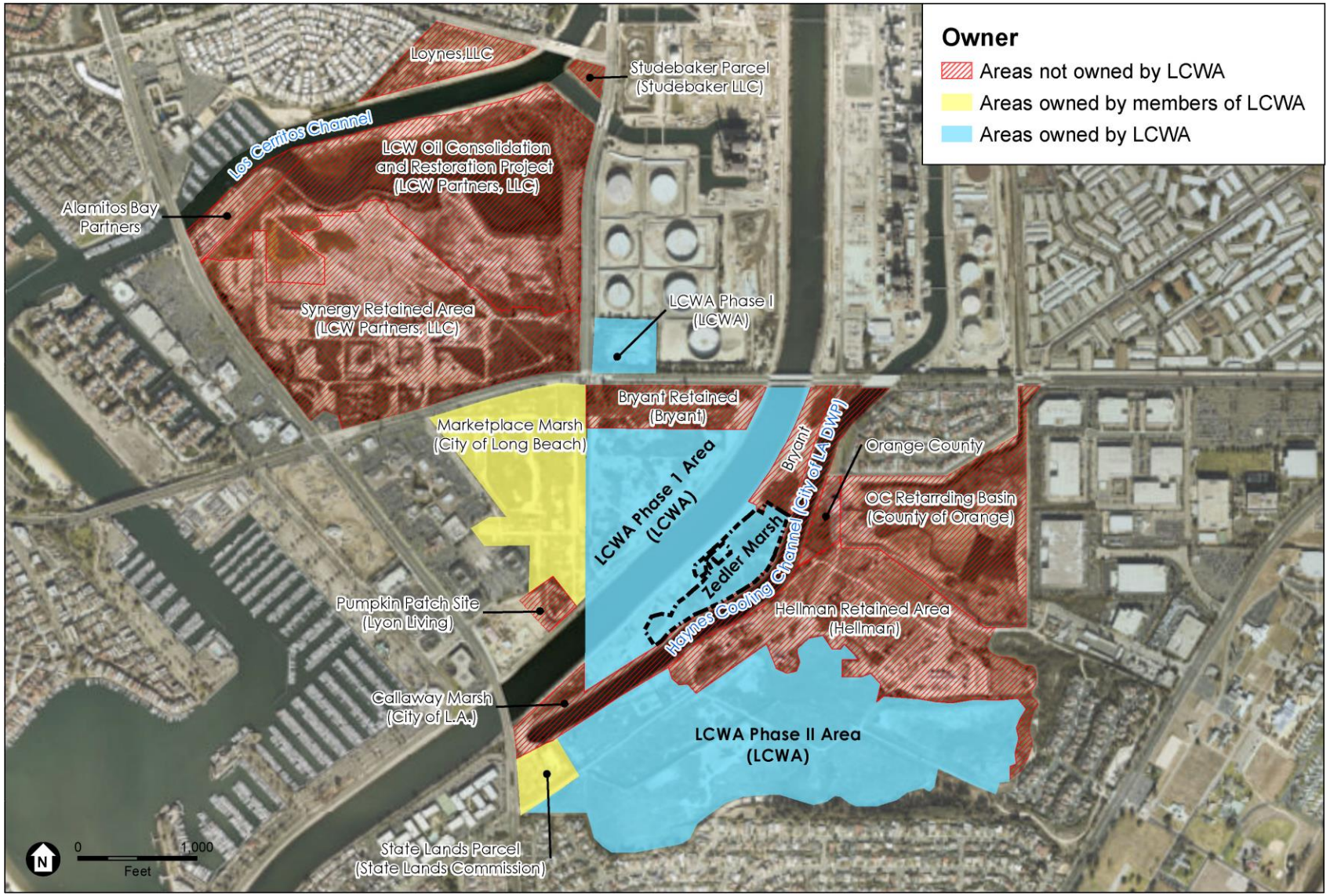
Current Planning Process



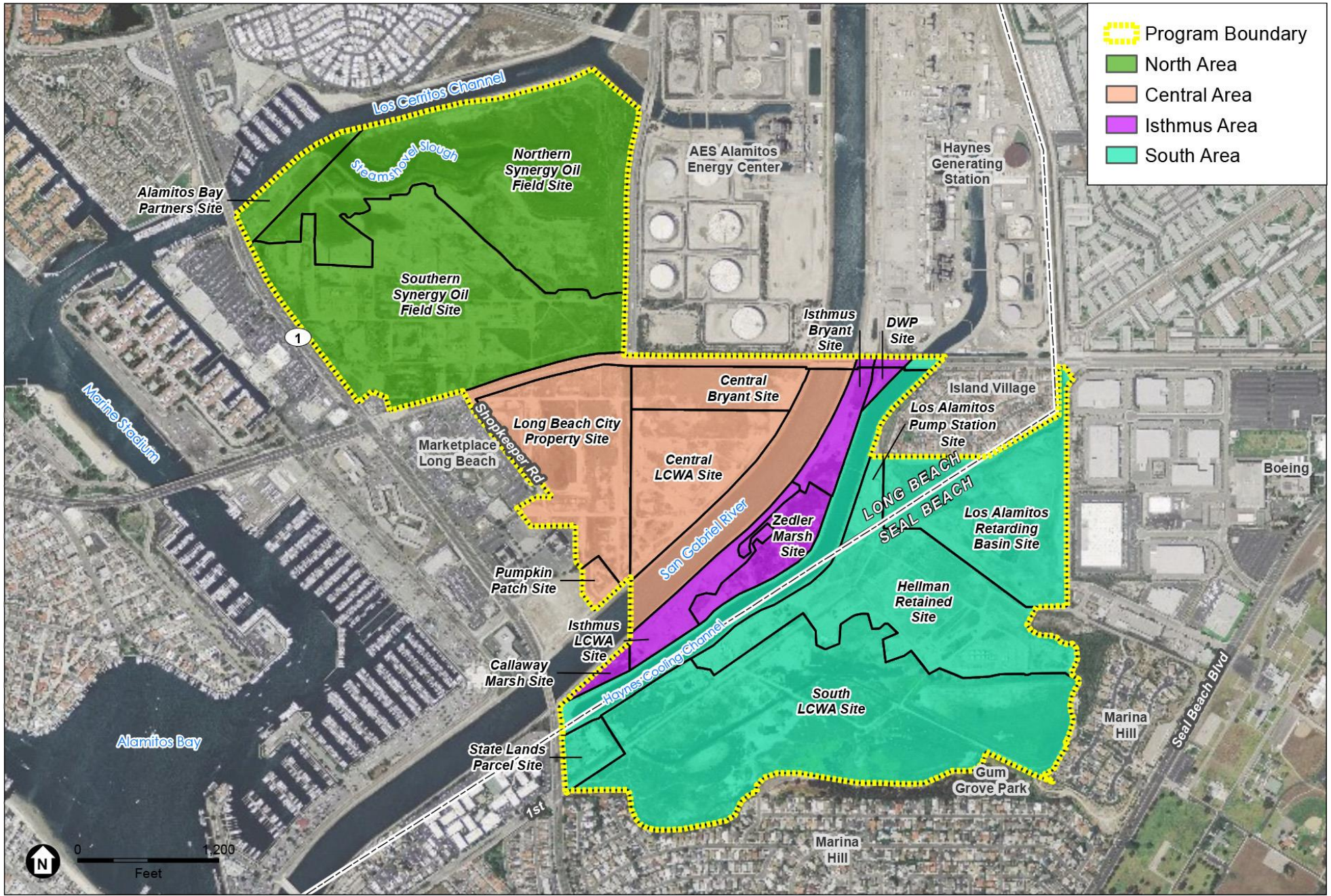
California Environmental Quality Act (CEQA)



Los Cerritos Wetlands Complex Land Ownership

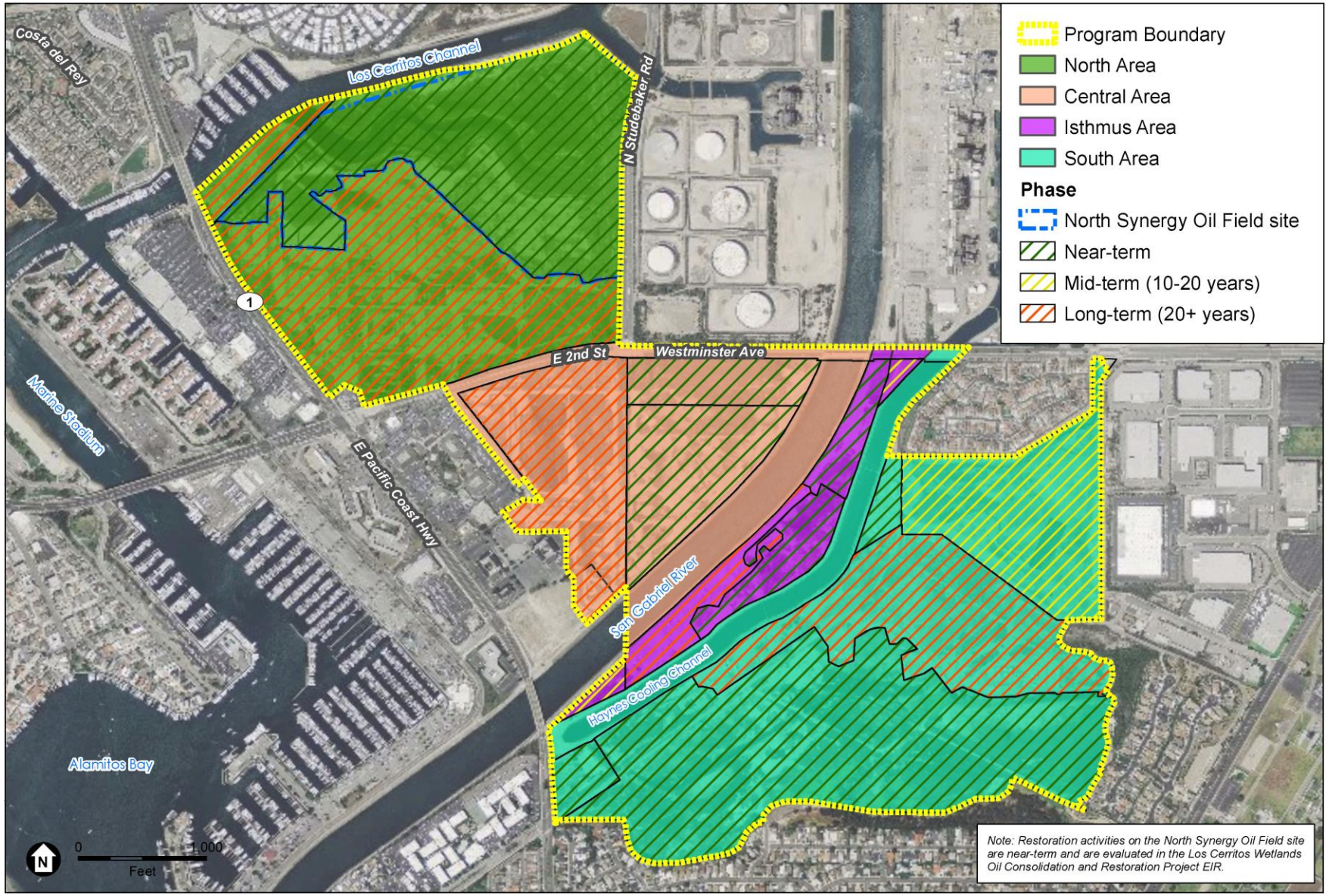


Program Area Boundary



Questions and Answer

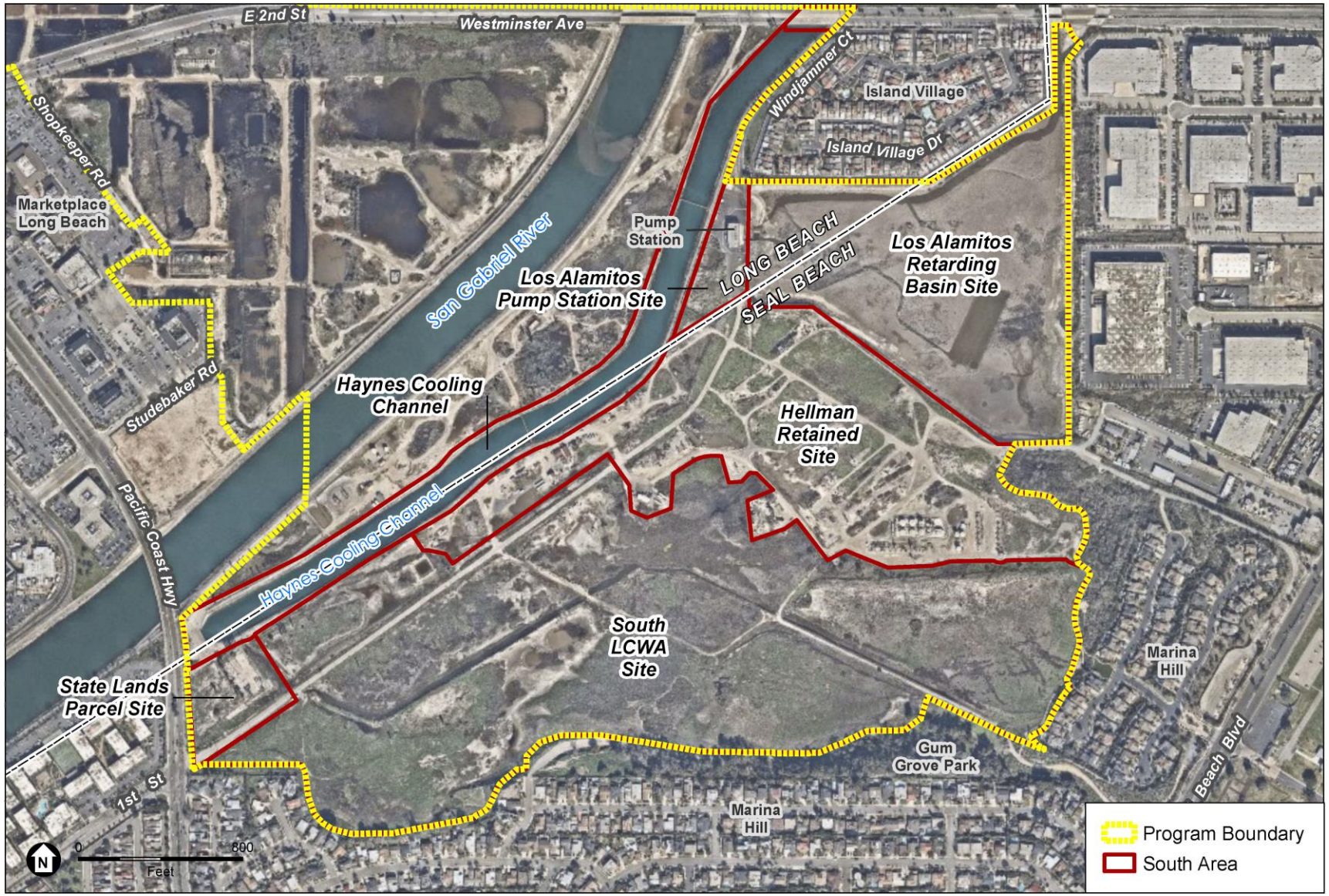
Proposed Program Phasing



Program Considerations

- Ecosystem Restoration
- Flood Risk and Stormwater Management
- Public Access and Visitor Facilities
- Infrastructure and Utility Modification
- Implementation and Restoration Process
- Monitoring and Adaptive Management
- Operations and Maintenance

South Area Restoration Program

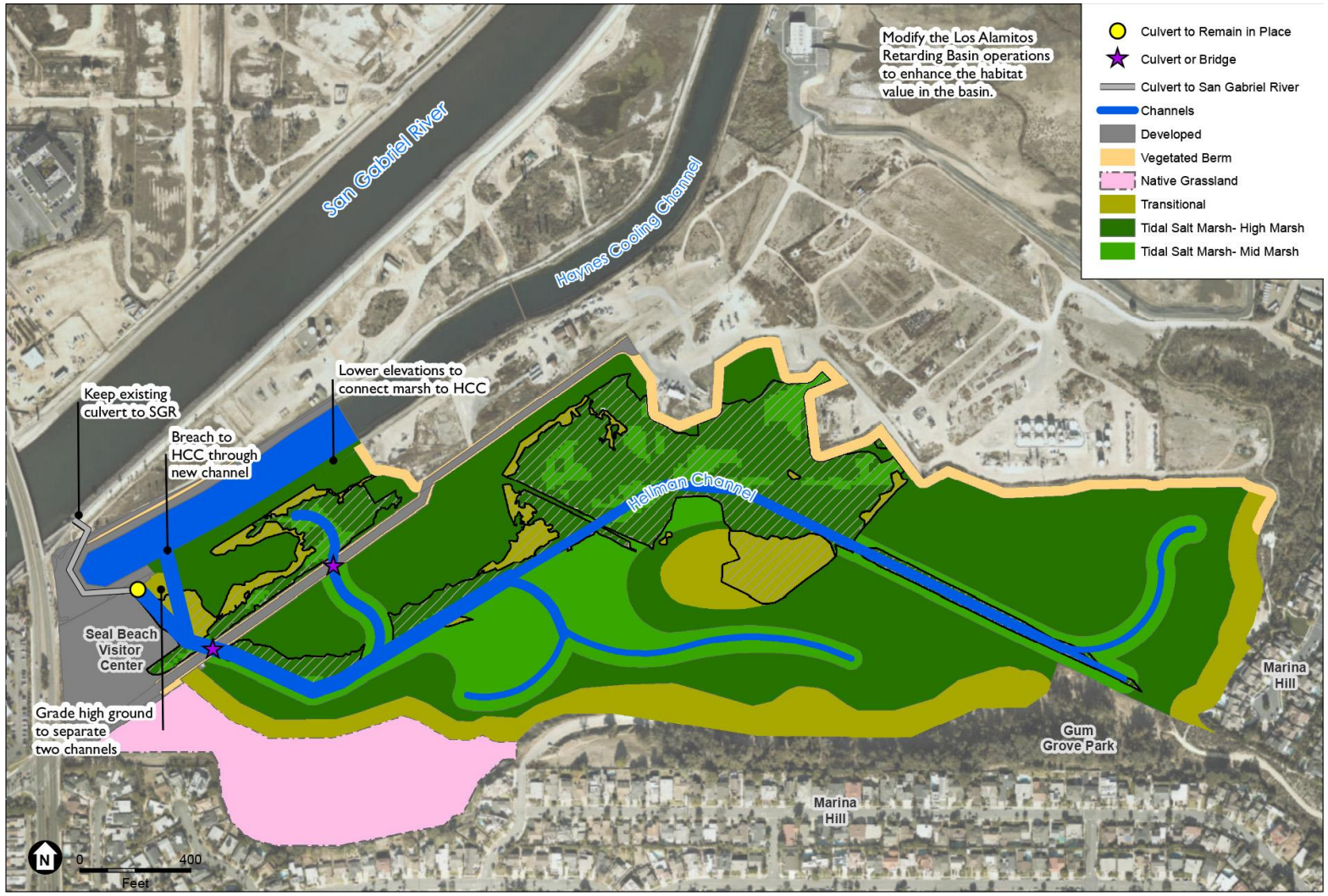


South Area: Near Term

- Remediating soils
- Grading to support a diversity of marsh, transitional, and upland habitats
- Construction of flood protection along the Hellman property boundary
- Raising 1st Street
- Building a Seal Beach Visitor Center and associated parking
- Removing the gate on the existing culvert connecting the South LCWA site to the San Gabriel River
- Removing the culverts under the former access roads
- Restoring native grassland for raptor foraging habitat

South Area: Mid Term

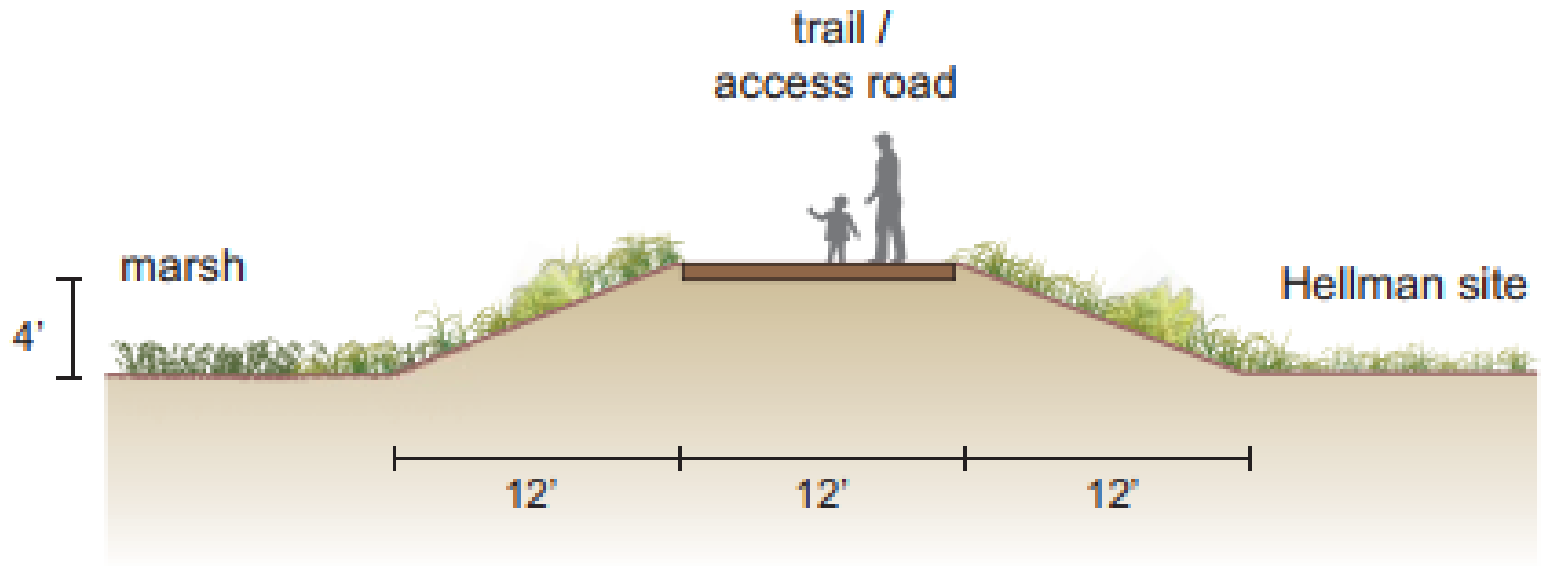
- Excavating a channel connecting the Hellman Channel directly to the Haynes Cooling Channel
- Lowering the berm along the Haynes Cooling Channel to increase the tidal range in the South LCWA site
- Modifying the Los Alamitos Retarding Basin operations to enhance the habitat value in the basin (e.g., change pumping operations to maintain ponding for shorter or longer time).

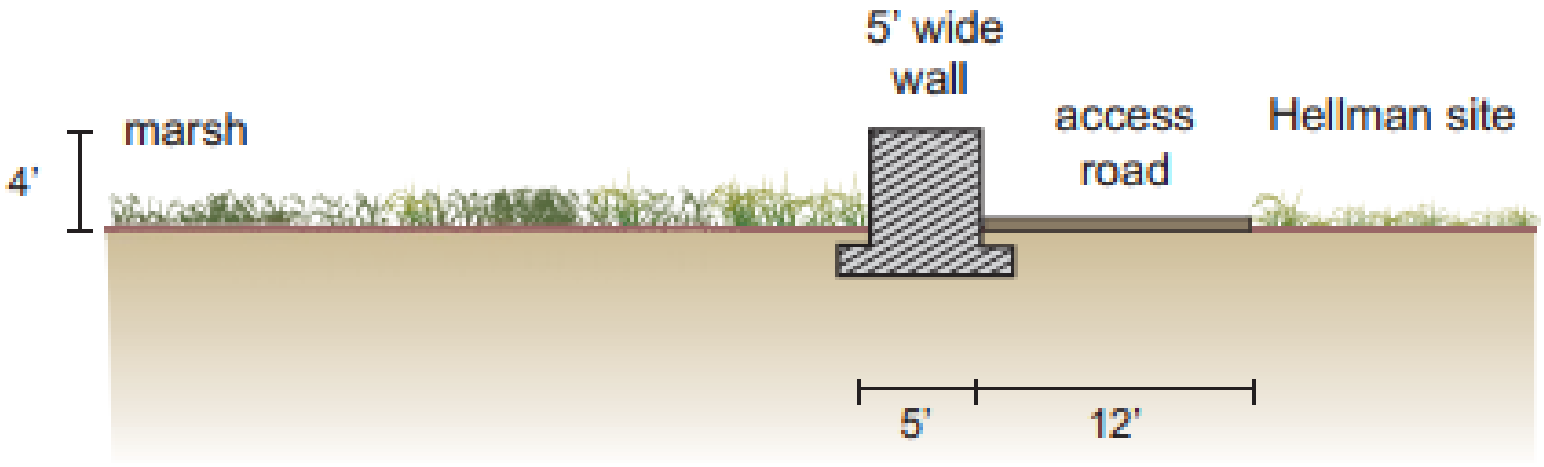


South Area: Long Term

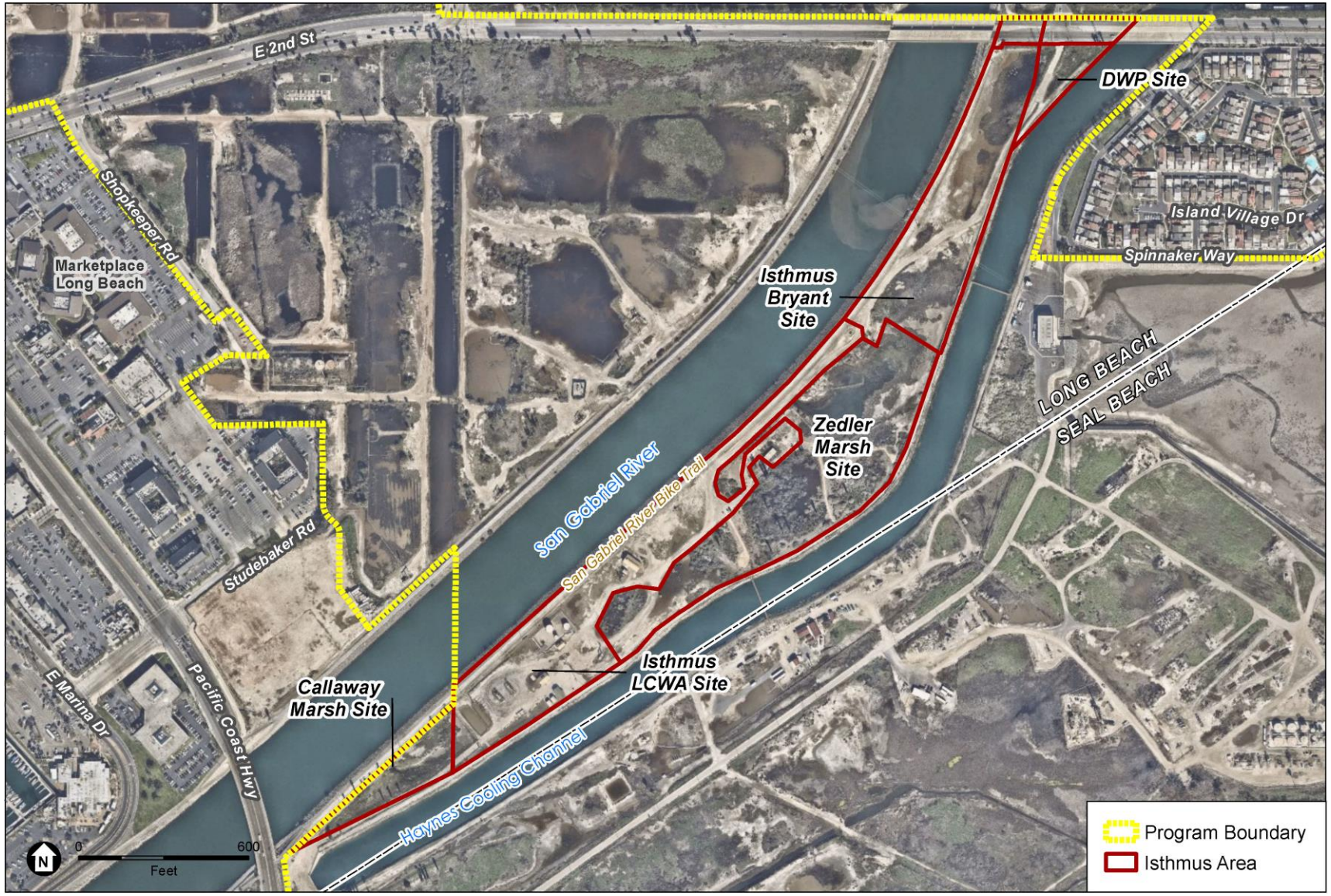
- Removing or consolidating oil operations on the Hellman Retained site to allow for restoration
- Lowering, breaching, or removing the earthen berm or flood wall separating the South LCWA site and the Hellman Retained site
- Removing 1st Street (through the South LCWA site) and removing, lowering, or breaching the berm under the road.

South Area: Perimeter Berm and Flood Wall



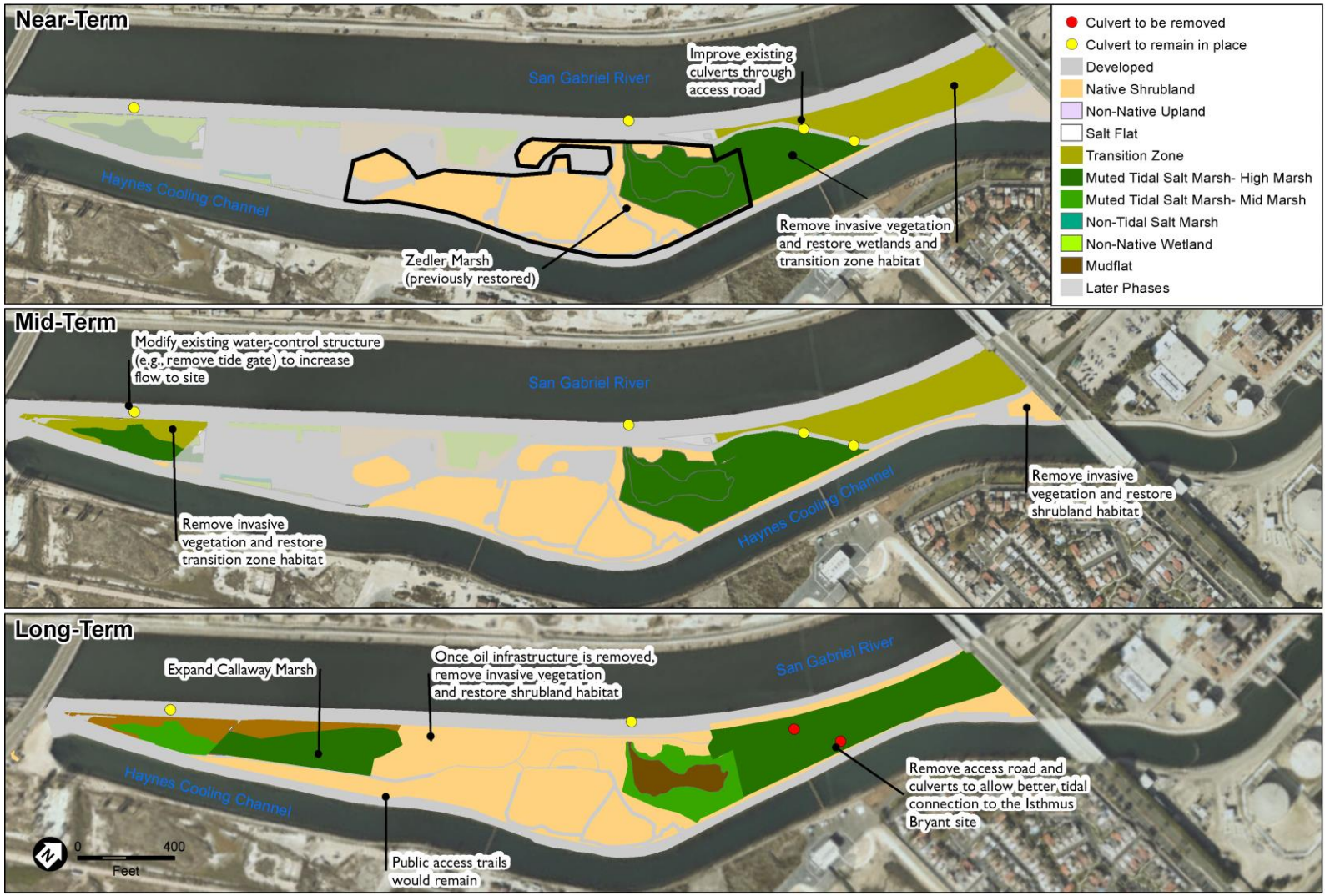


Isthmus Area Restoration Program



Isthmus Area: Near, Mid, and Long Term

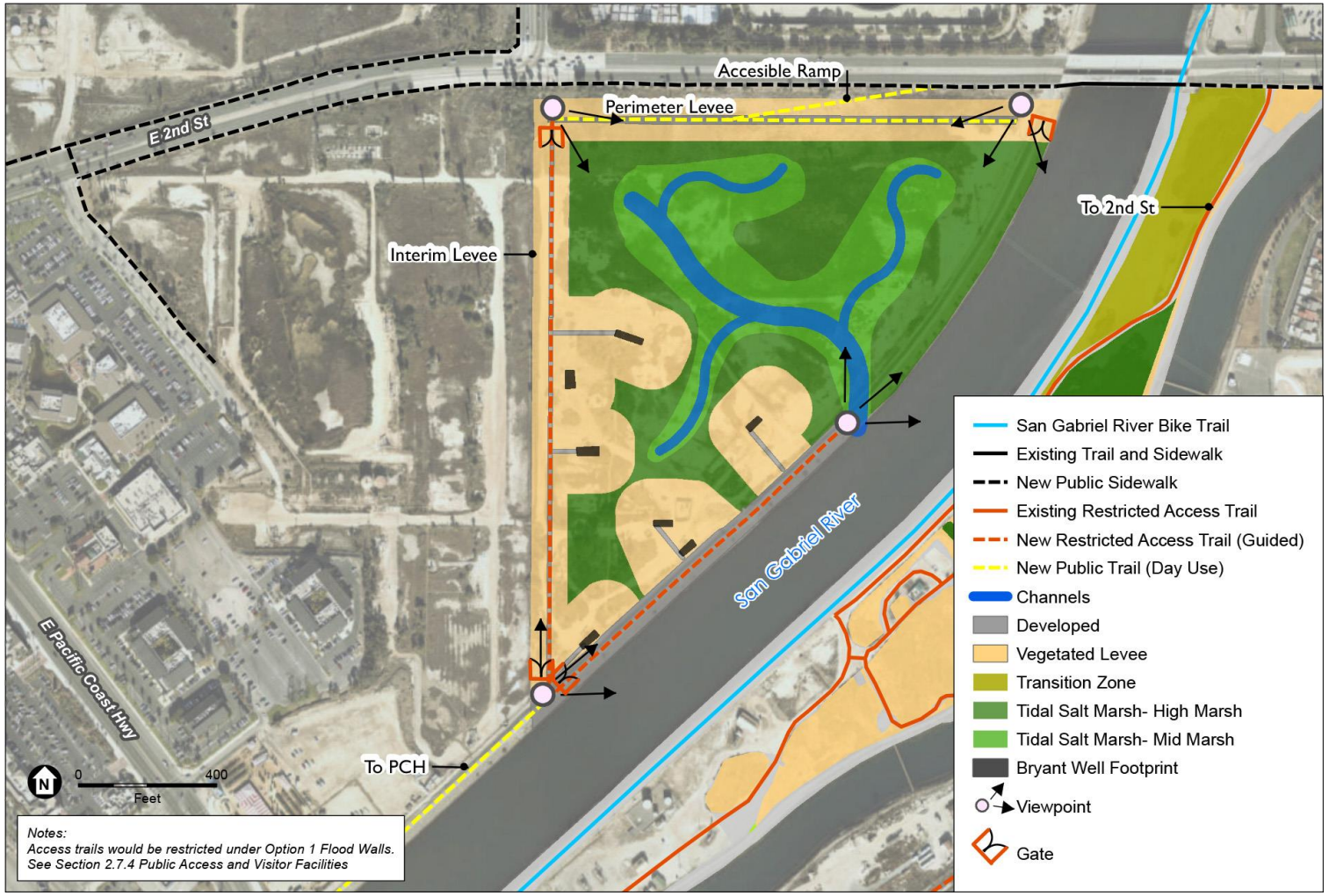
- Near-term: Extend the restoration of Zedler Marsh site north into the Isthmus Bryant site
- Mid-term: the Callaway Marsh site and the rest of the DWP site would be enhanced once the Haynes Cooling Channel is decommissioned by LADWP and no longer in use for the Haynes Generating Station
- Long-term: the oil operations on the Isthmus LCWA site would be removed or consolidated off-site to allow for restoration



Central Area Restoration Program

Central Area: Near Term

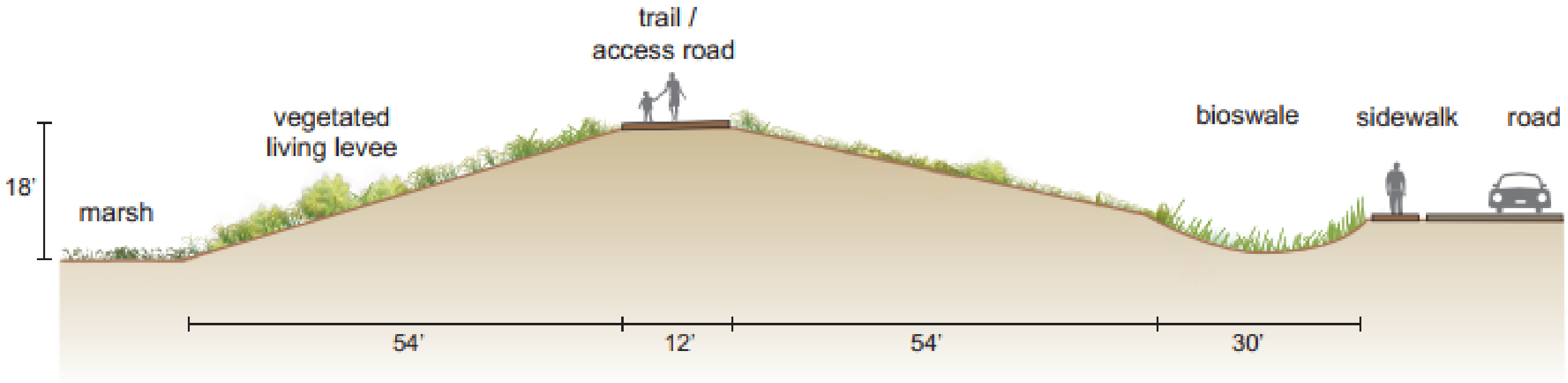
- Relocating/modifying oil infrastructure and perform soil remediation
- Grading of the sites, including channels, and revegetation with native plants
- Removing segments of the existing levee separating the SGR from non-tidal areas
- Constructing a new earthen levee (Perimeter Levee) along 2nd Street from the San Gabriel River to the intersection with Studebaker Road
- Constructing a new interim earthen levee (Interim Levee) along the western boundary of the Central LCWA site
- Raising the well pads out of the floodplain
- Constructing public trails on levees, accessible ramps, and viewpoints.



Central Area: Long Term

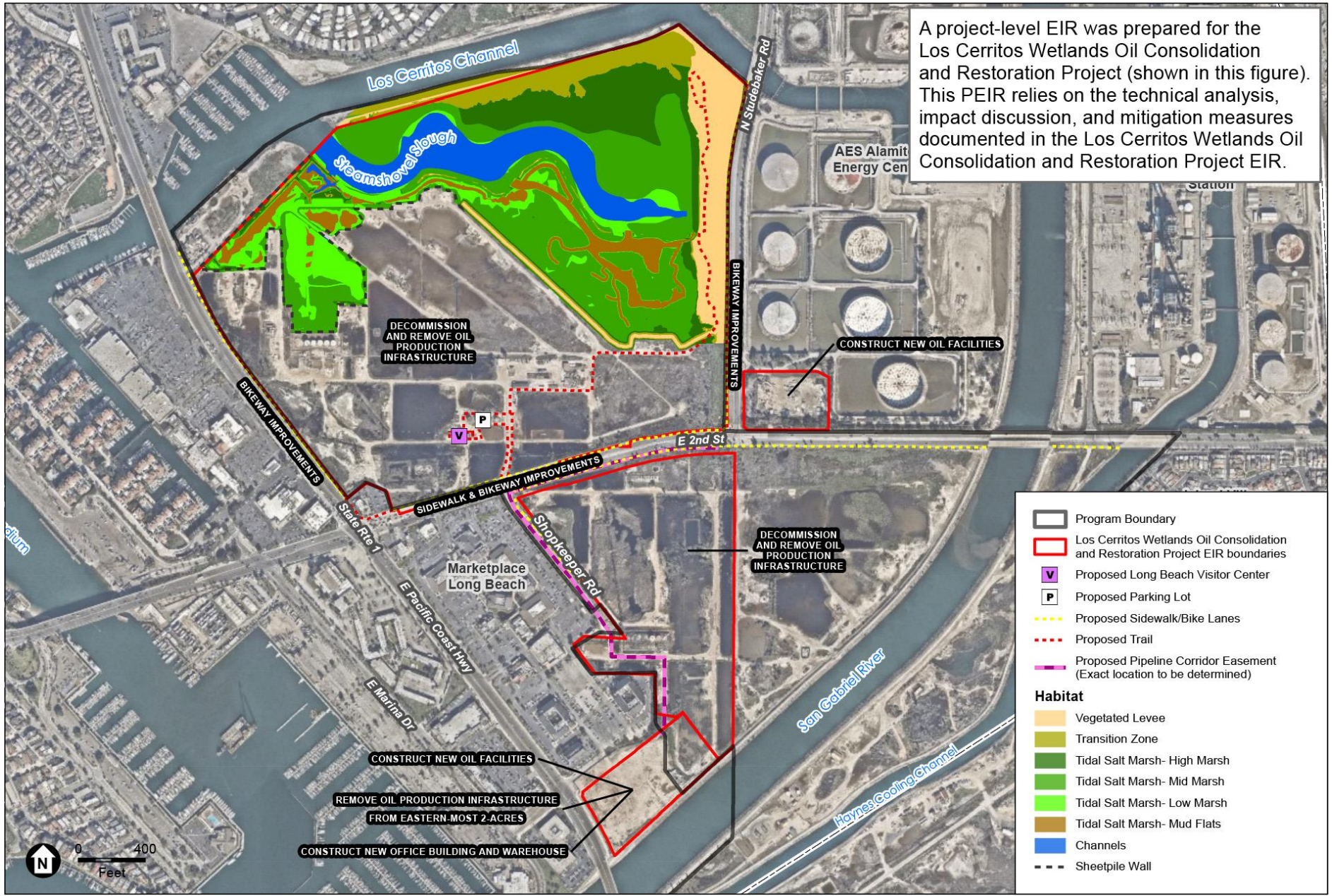
- Grading the Long Beach City Property site, including tidal channels and new brackish marsh
- Removing the Interim Levee
- Constructing a new earthen levee (Perimeter Levee) along 2nd Street between the intersection with Studebaker Road to Shopkeeper Road on the Long Beach City Property site and then along Shopkeeper Road to the existing SGR levee on the Long Beach City Property and Pumpkin Patch sites
- Constructing public trails on levees, accessible ramps, stairs, and viewpoints.

Central Area: Perimeter Levee



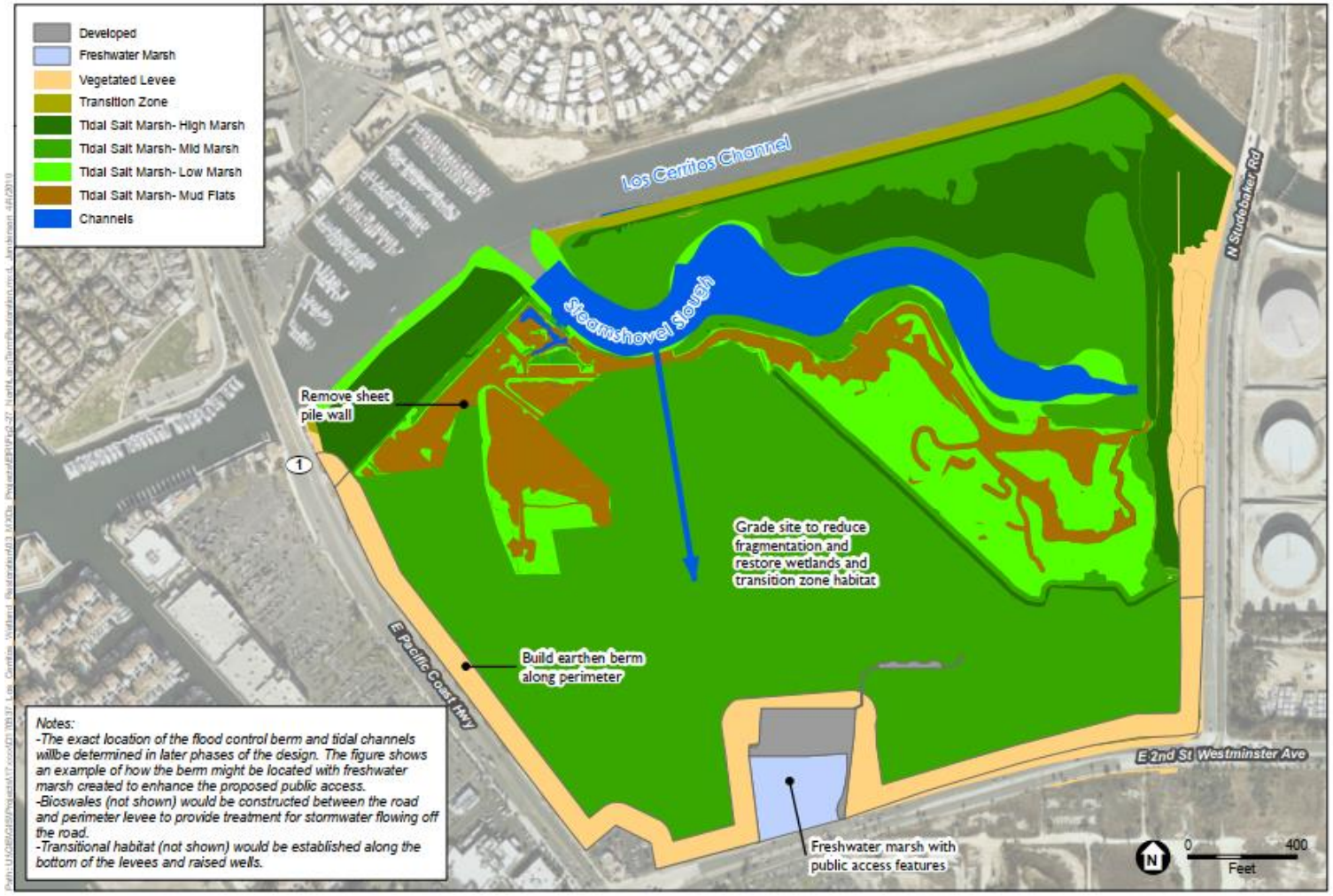
North Area Restoration Program

Beach Oil Minerals Partners (BOMP) Project

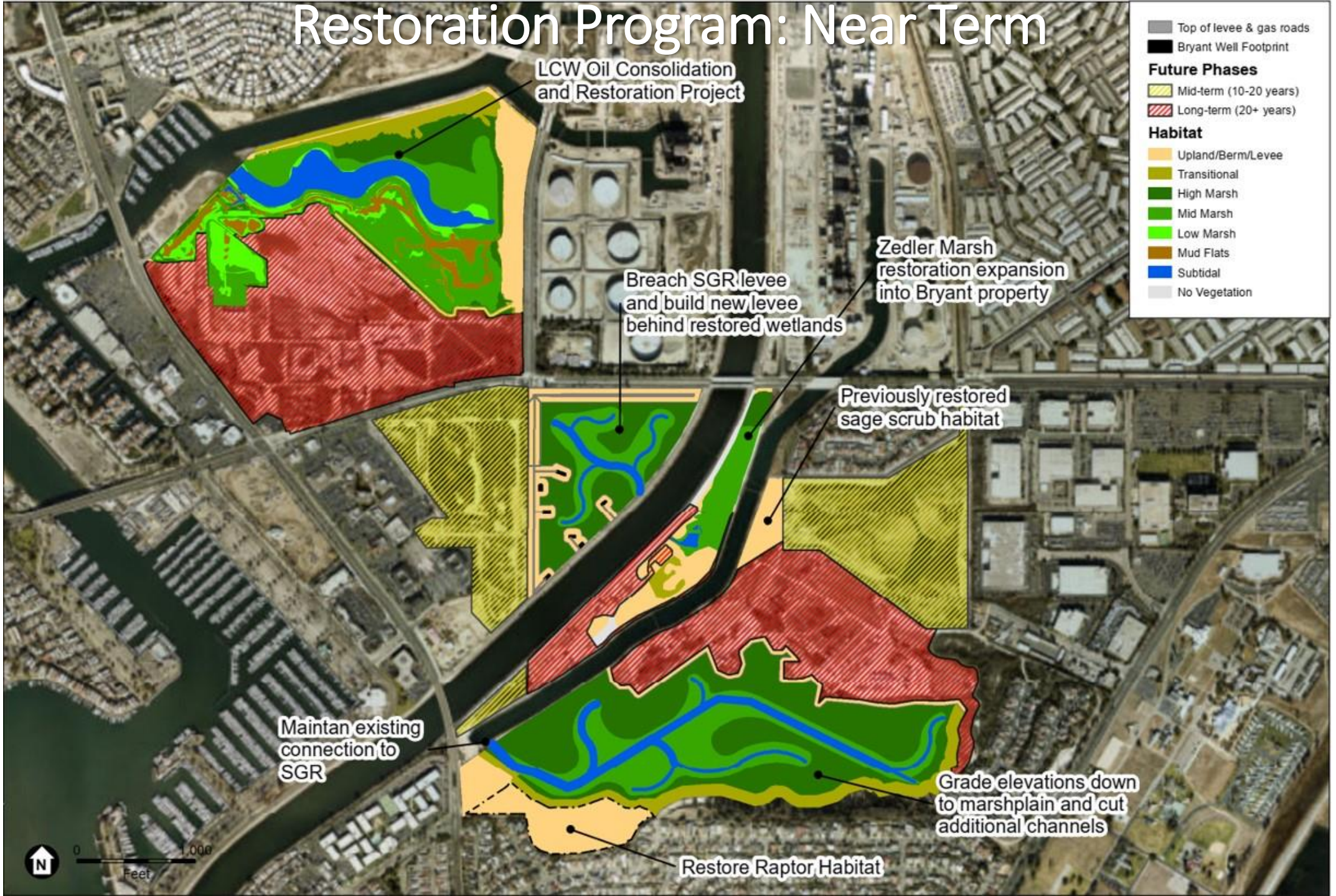


North Area: Long Term

- Grading and soil remediation on the Alamitos Bay Partners site and the South Synergy Oil Field site, including excavation to create tidal channels, and revegetation with native plants
- Constructing a new earthen levee or flood wall along the South Synergy Oil Field and Alamitos Bay Partners sites
- Excavating a tidal channel from the North Synergy Oil Field site to the South Synergy Oil Field site to increase tidal connection in the South Synergy site
- Removing the sheet pile wall along the Alamitos Bay Partners site



Restoration Program: Near Term



Restoration Program: Mid Term

Restoration Program: Long Term

Restoration Program: SLR 2070

Restoration Program: SLR 2100

Questions?