



City of Long Beach

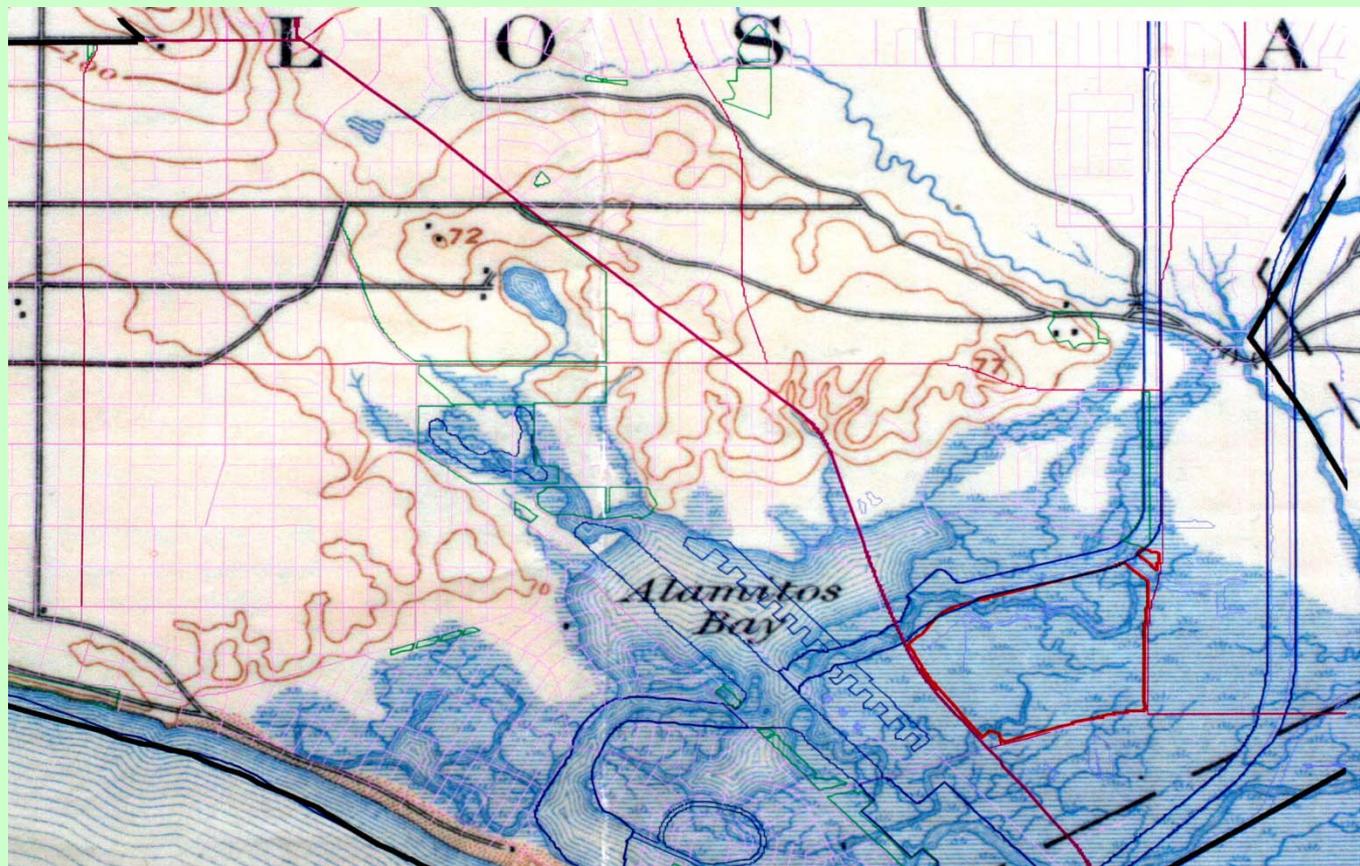
Colorado Lagoon Restoration Project



Colorado Lagoon

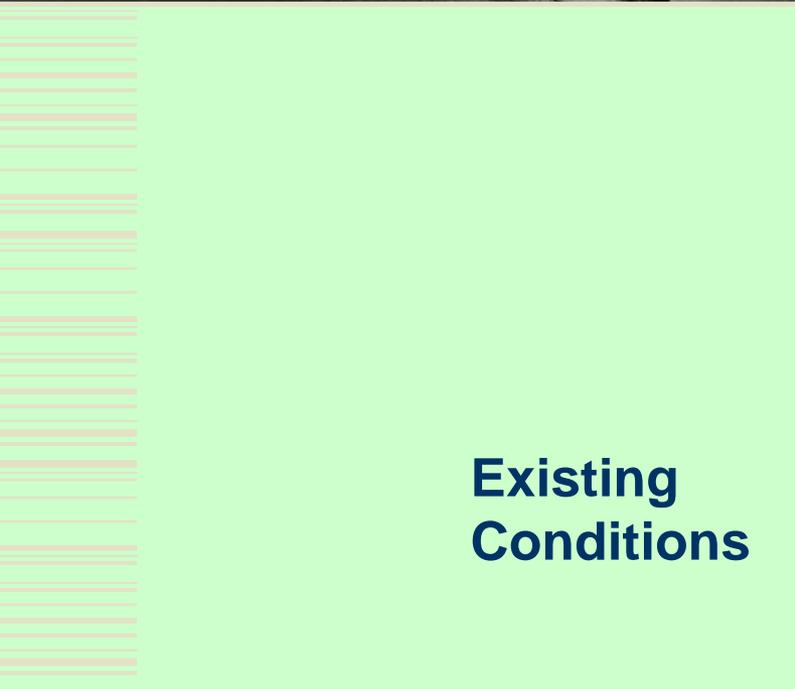


1986 Etching With Overlay of Lagoon Location



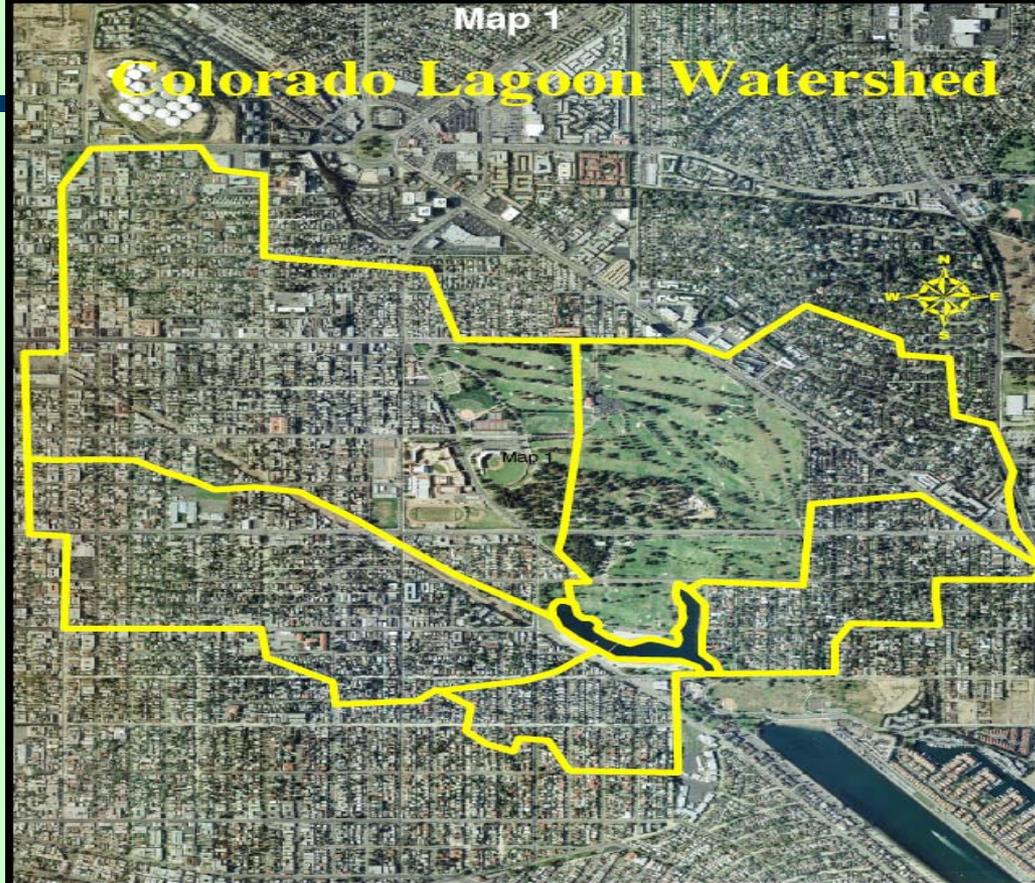


1928 – No Tidal Restrictions



Existing Conditions





- ◆ The Lagoon's watershed consists of 1,172 acres.
- ◆ Lagoon is lowest spot in watershed.
- ◆ Increased area development led to increased stormwater, decreased water quality and increased sedimentation.
- ◆ Currently on State's 303d list of impaired water bodies.

Current Conditions

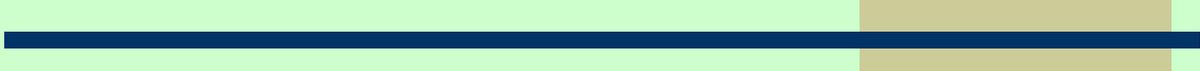
- Degraded water quality.
- Poor intertidal circulation.



- Contaminated sediments (metals).
- Frequent high bacteria concentrations.



Main Project Components



- ◆ Improvements Benefiting Water and Sediment Quality
- ◆ Habitat Improvements
- ◆ Recreational Improvements

Funding partners to date include the State Coastal Conservancy (NOAA), Rivers and Mountains Conservancy, State Water Resources Control Board (ARRA), U.S. Army Corps of Engineers, and the City and Port of Long Beach.



Status of Project

- ◆ Implementation dependent on funding availability.
- ◆ Major storm drain improvements have been constructed, eliminating the sources of contamination.
- ◆ The next construction phase is to remove the accumulated contaminated sediment.
- ◆ The third phase includes recreational improvements, and construction of an open-channel to further improve water circulation and quality.

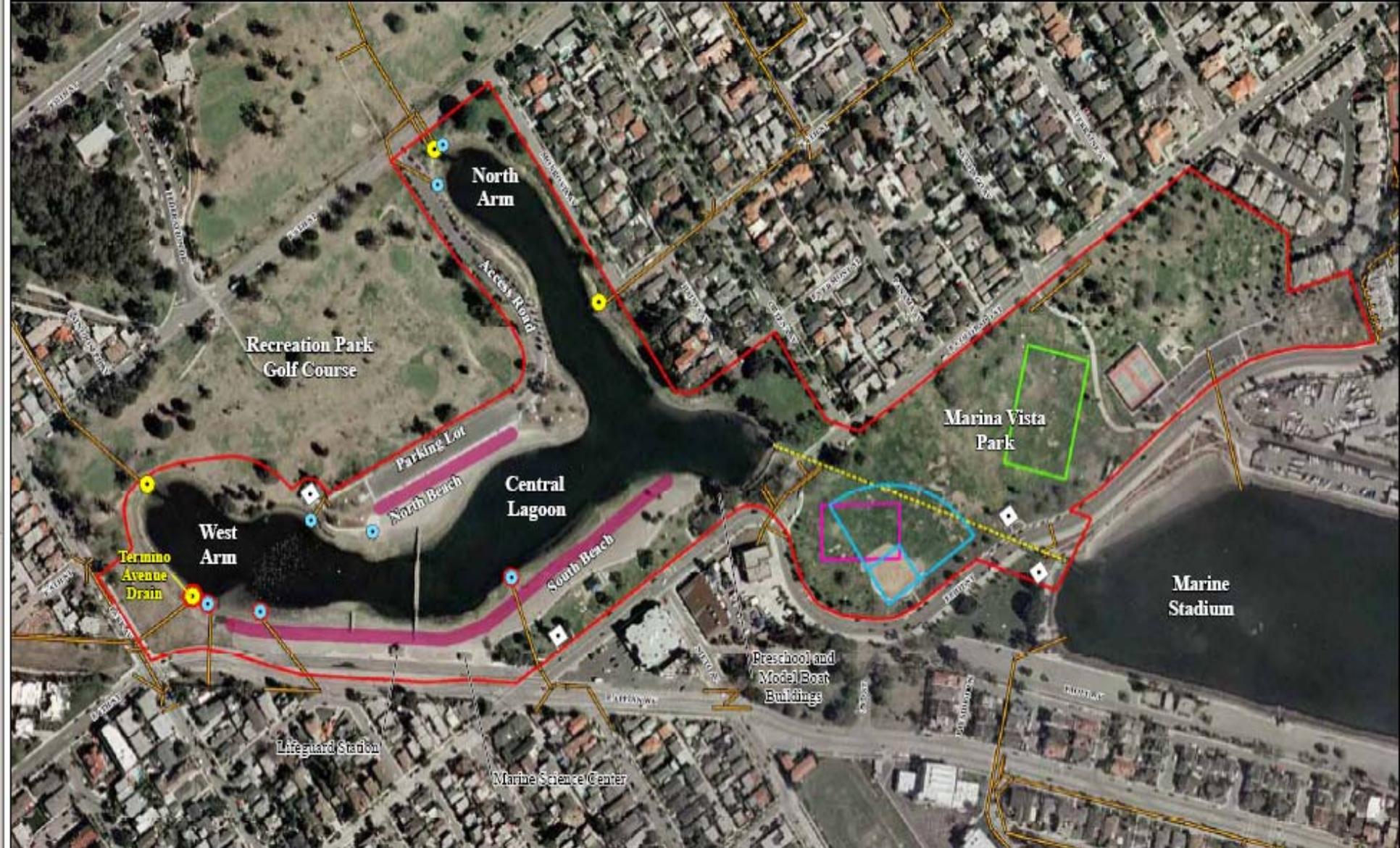


FIGURE 3.2

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LEGEND

- Project Boundary
- Culvert
- Sand Nourishment Areas
- Existing Storm Drain Pipelines
- Existing Restrooms
- Major System Outfall
- Local Drain
- Indicates Drain Diverted by Termino Project
- Baseball Field
- Adult Soccer Field
- Youth Soccer Field

SOURCE: Air Photo USA (2007), Moffat & Nichol (2007), Thomas Bros. (2007).

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Open Channel Profile
With contouring of slopes and varying widths.



Looking Toward Marine Stadium

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FIGURE 3.3

Colorado lagoon Restoration Project
Open Channel Profile Oblique Angle



Questions?

Colorado Lagoon Restoration Project

