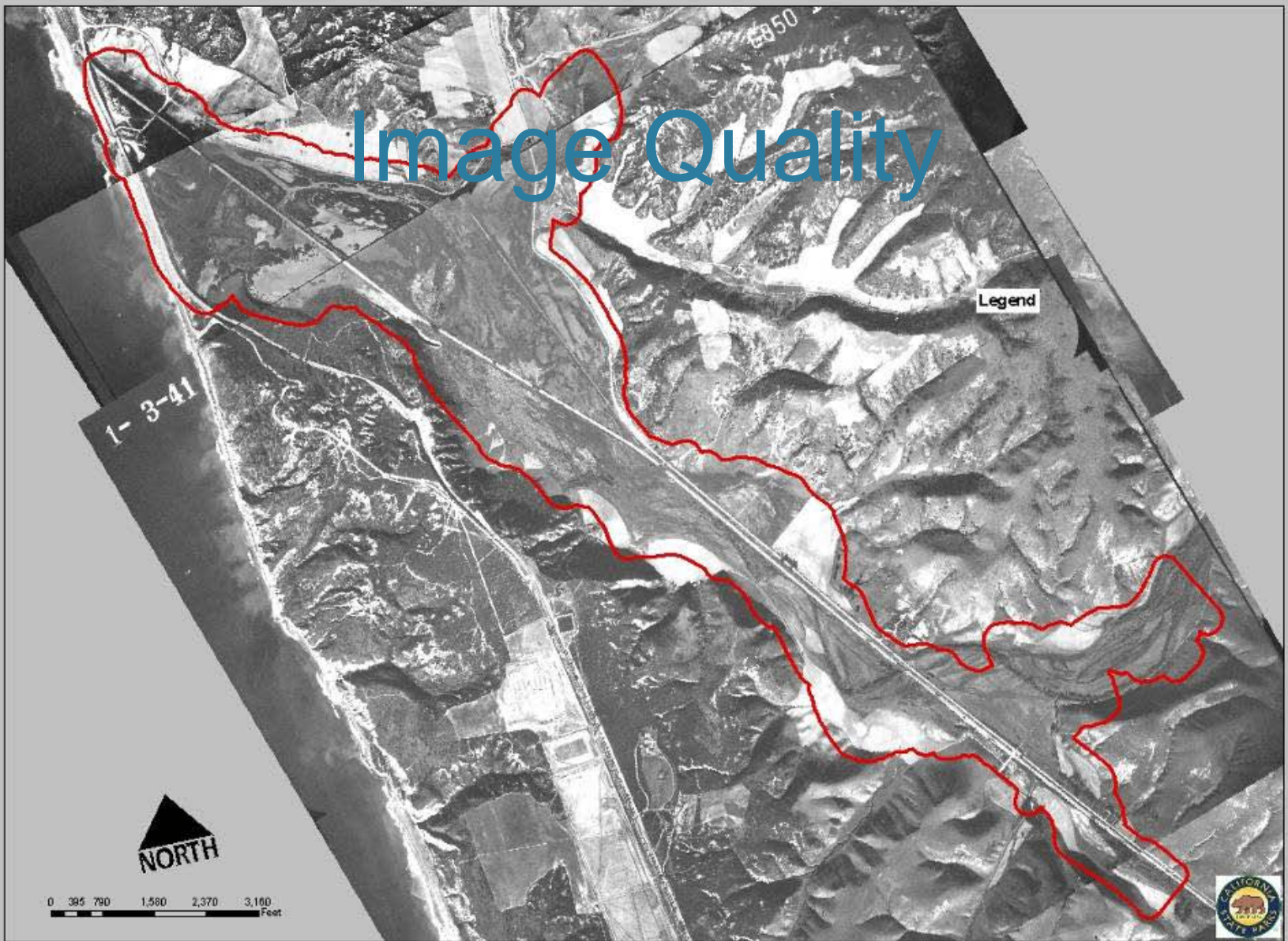


Los Peñasquitos Lagoon and its Watershed

Issues, Strategies and Coordination

**IRWM Regional Advisory Committee
October 5, 2011**

**Mike Hastings, Executive Director
Los Peñasquitos Lagoon Foundation**



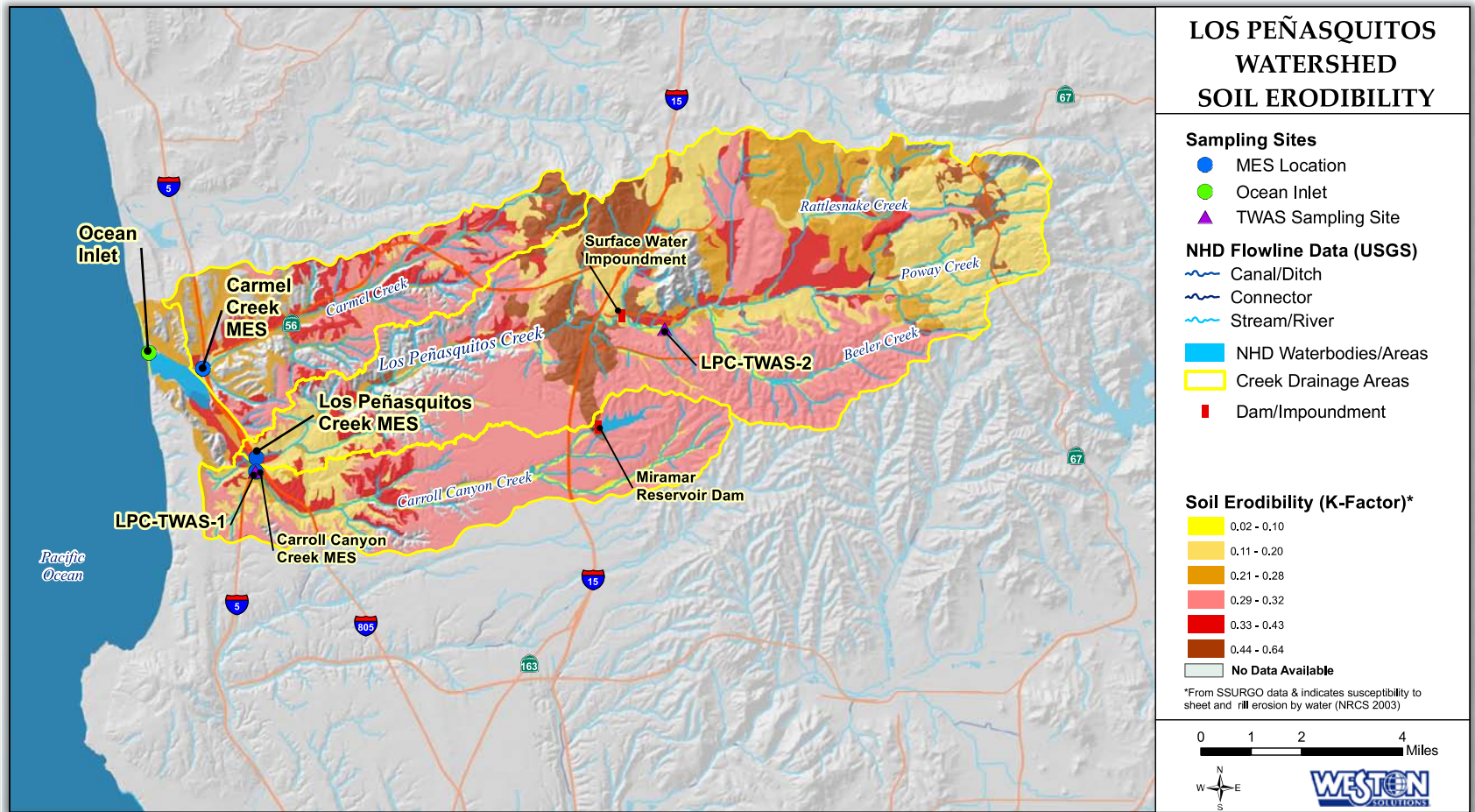
Los Peñasquitos Lagoon - 1928



Los Peñasquitos Lagoon – Early 1970's



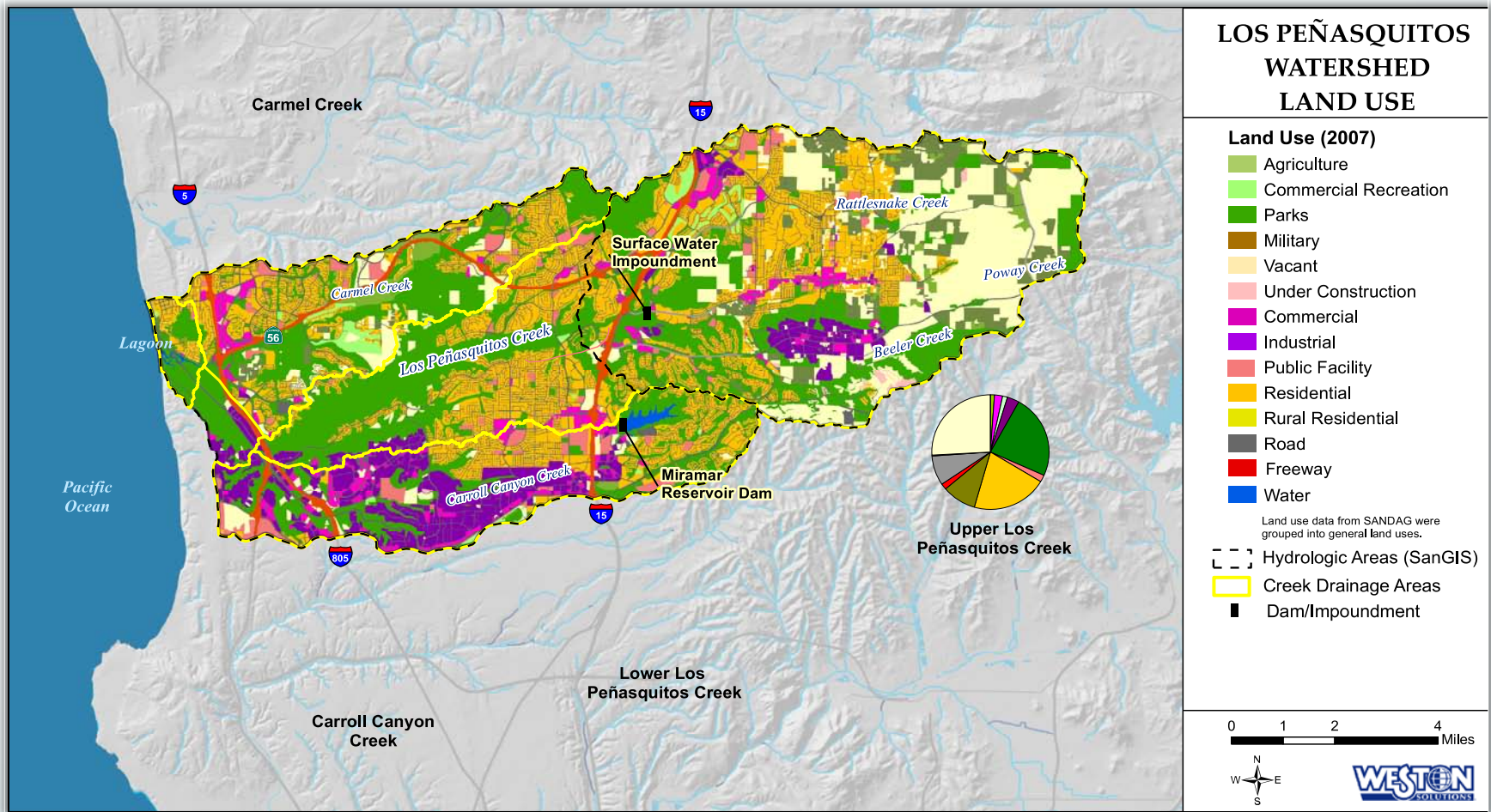
Los Peñasquitos Lagoon - 2010



Soil Erodibility in the Watershed (K-Factor)

<0.2 = Resistant, 0.25 - 0.4 = Moderate, >0.45 = Highly Erosive

Graphic by Weston Solutions, Inc. 2009



Los Peñasquitos Watershed Land Use

Urbanization in the 3 Sub-Watersheds

Graphic by Weston Solutions, Inc. 2009

Hydromodification + Erosive Soils = Impacts



Dry Weather Flows



Increased Volume & Peak Flows



Scouring



Deposition



2003



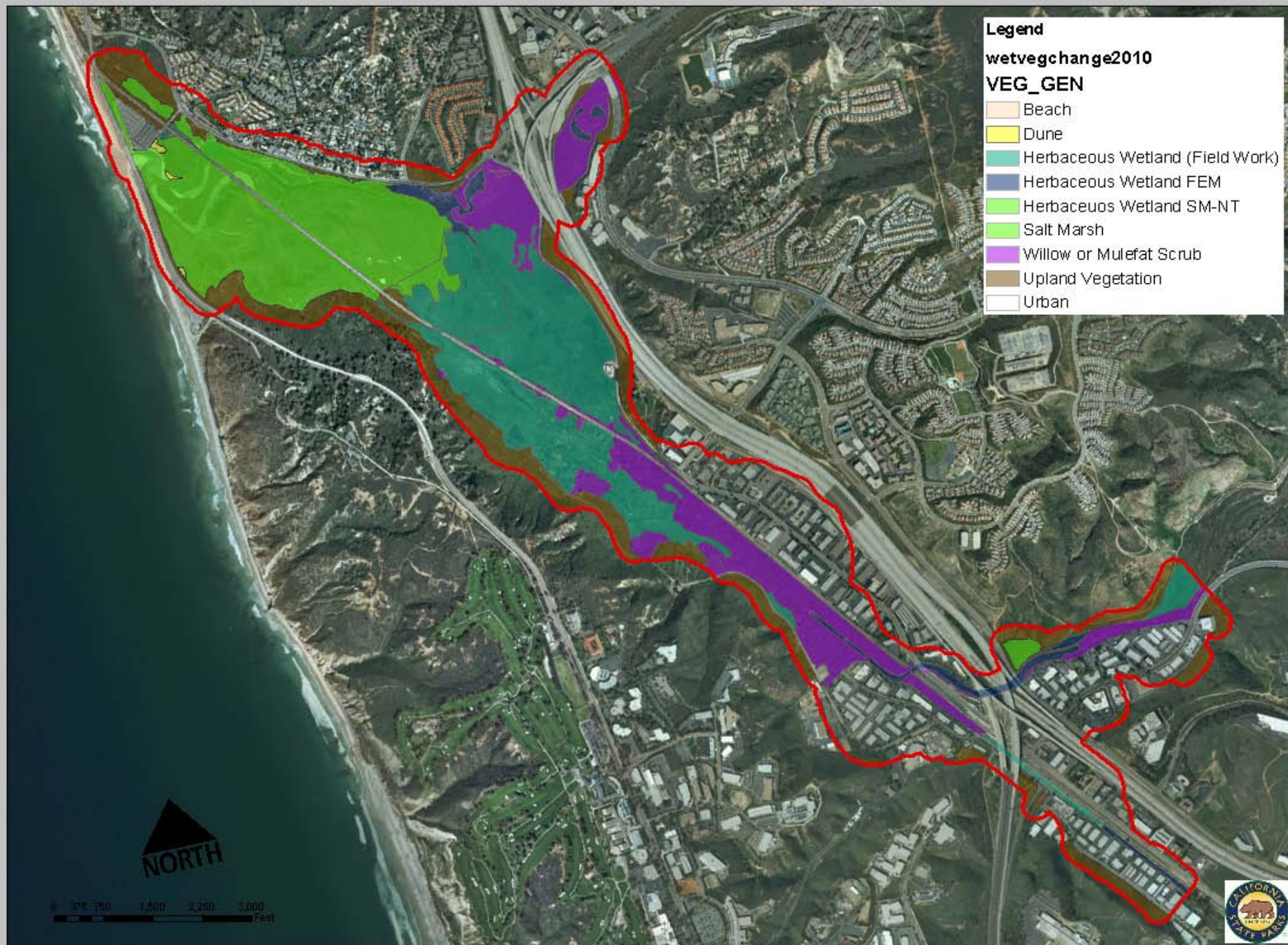
1983



2000



2010



Strategies for Restoring Los Peñasquitos Lagoon

- Los Peñasquitos Lagoon Sediment and Fresh Water Management Plan (Submitted as a 2012 CWA 319h Planning/Assessment Grants) – Integrates activities in the watershed with Lagoon restoration.
 - *Non-Point Source Sediment Reduction Plan*
 - *Non-Pont Source of Fresh Water Management Plan*
 - *Update the Lagoon's 1985 Enhancement Plan*
- Phased Approach: Salt Marsh Habitat Restoration.
 - *Short-Term: Protect Existing – Coastal Salt Marsh*
 - *Mid-Term: Restore Recently Converted – Transition Zone*
 - *Long-Term: Expand into Historic Areas – Flood Plain*

Coordinate Lagoon Restoration with SDRWQCB, City of San Diego, State Parks and other Stakeholders

- Sediment TMDL for Los Peñasquitos Lagoon
 - Build Upon Recent Studies by the City of San Diego, LPLF and State Parks
 - Perform Needed Baseline Studies – Classification of Vegetation and Habitat in the Transition Zone
 - Comprehensive Load Reduction Plan (CLRP) – Complimentary to the Los Peñasquitos Lagoon Sediment and Freshwater Management Plan.
- Future TMDLs for Los Peñasquitos Lagoon
- NPDES Compliance
- Hydromodification Management Plan
- Flood Control