

Brenda Buxton, Project Manager, State Coastal Conservancy BAFPAA Conference February 21, 2013



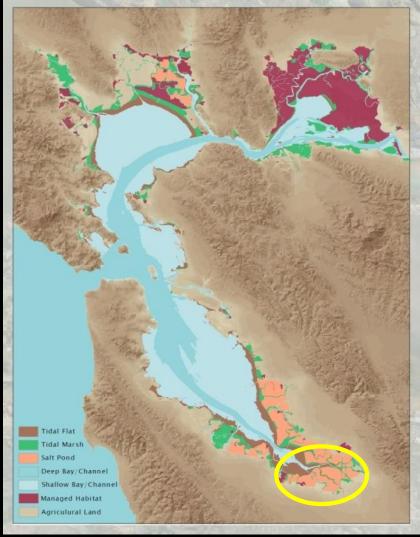
Kite photography of Pond A21 courtesy of Cris Benton



Photo credit: ESA Associates website, Feather and Bear River Levee Setback Project

Frenemies?





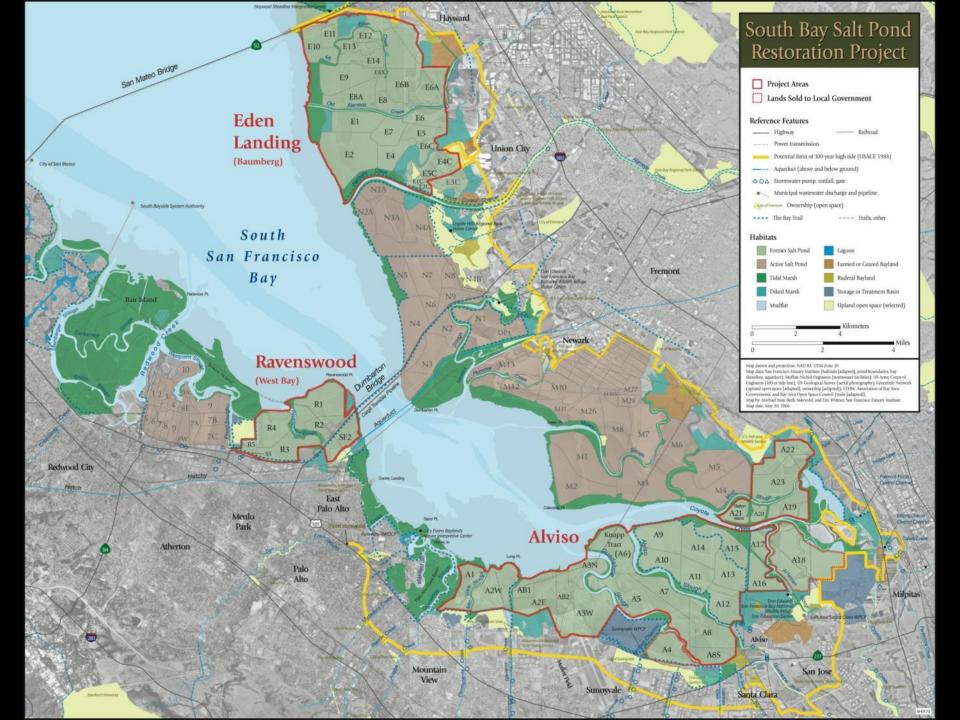
~1850 ~2000

Salt Pond Acquisition in 2003

16,500 total acres1,400 along Napa River15,100 in South Bay



\$100 million cost



Project Goals:



Ecological Trade-offs

Tidal Marsh species vs. Salt Pond species





Ravenswood Ponds: SF2 September 7, 2010 opening



Photo Credits: Chris Benton & Judy Irving

Alviso: Pond A6

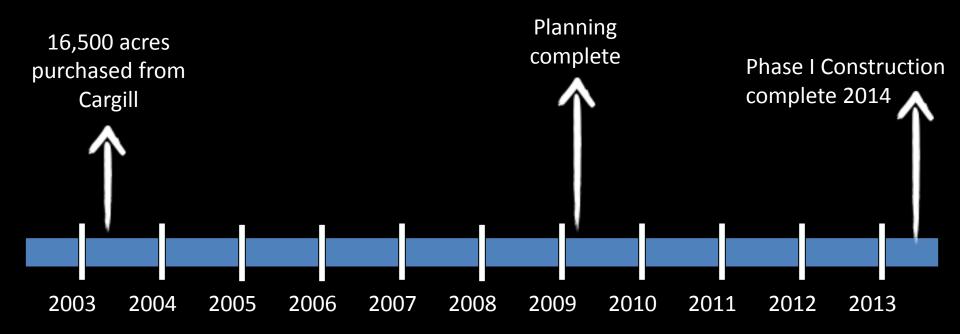
Levees breached in December 2010





Moffett Field Bay Trail Grand Opening Monday September 20, 2010





Restored to Date

Tidal: 1,600 ac

Muted Tidal: 1,440 ac

Reconfigured Ponds: 710 ac

Total: 3,750 ac

New Trails: 7 miles

30



Flood Protection???

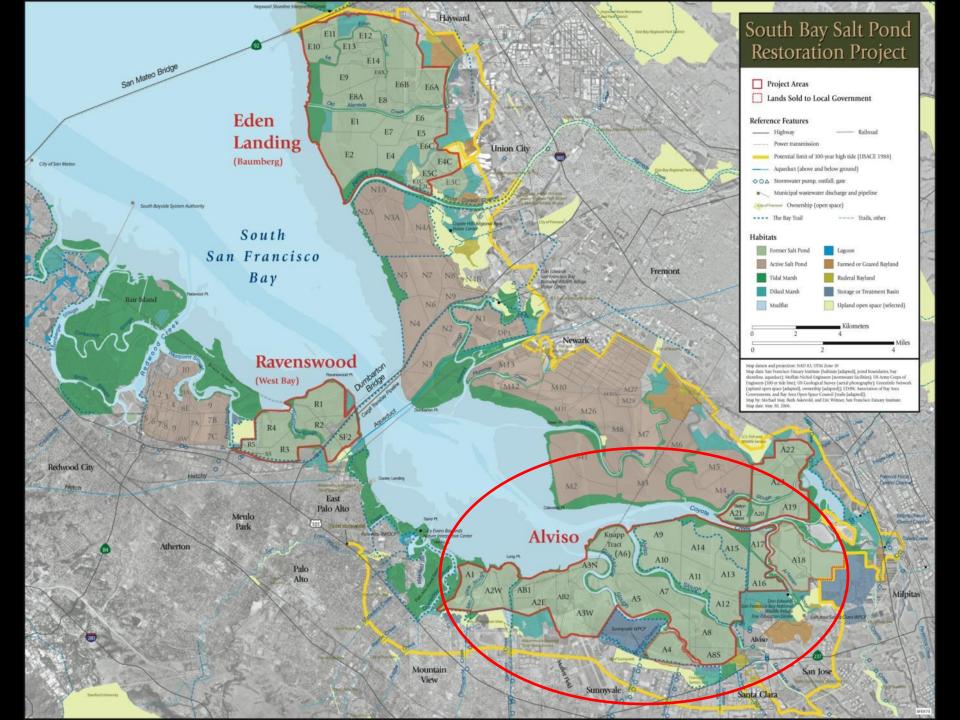






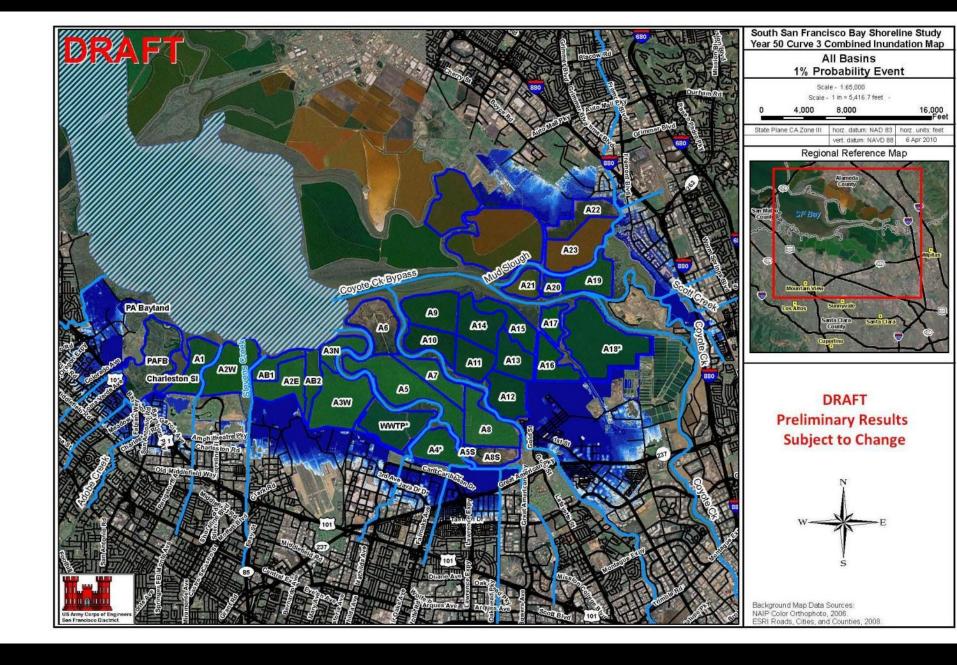
Eden Landing E8A/9/8X construction





Flood Risk and Sea Level Rise - South Bay Economic Impact, San Francisco Bay Area San Francisco San Francisco Bay Bay Area Redwood City West Menlo Park A 臭 Los Altos Area vulnerable to an approx. 16 inch sea level rise Nertac Points of Interest (within at-risk areas) Area vulnerable to an approx. 55 inch sea level rise 1 Airport Area at risk of a 100-year flood event Fire Station **Library** Salt Ponds / Wetlands Urban Development W Water Treatment L School Map credited by Greeninfo Network, March 2012 Light Rail Station Future BART Station





Sea Level Rise Assumptions

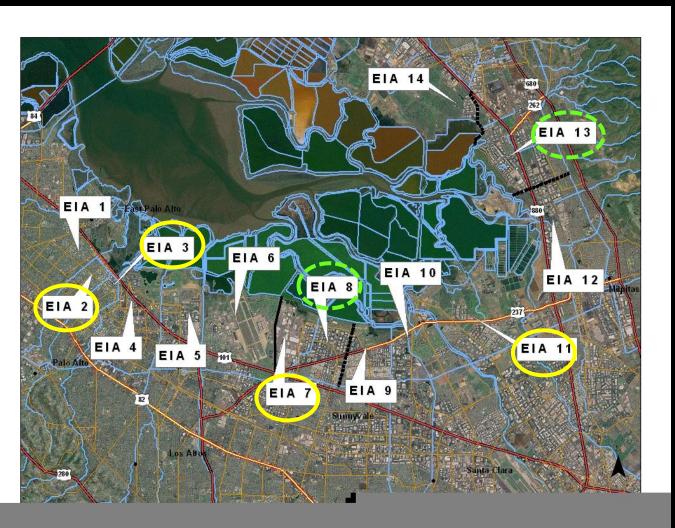
Year 50 (2017 – 2067)

- Historic: +0.34 ft

- NRC I: +0.72 ft

- NRC III: +2.13 ft

Flood Risk Assessment





EIAs with highest damages



EIAs with high damages under NRC Curve III





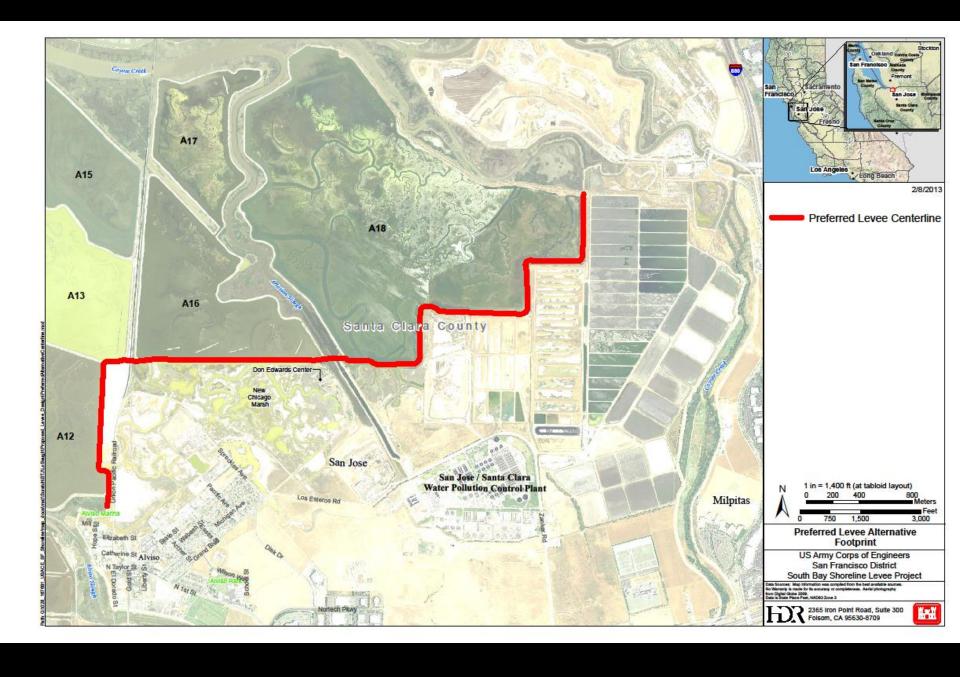


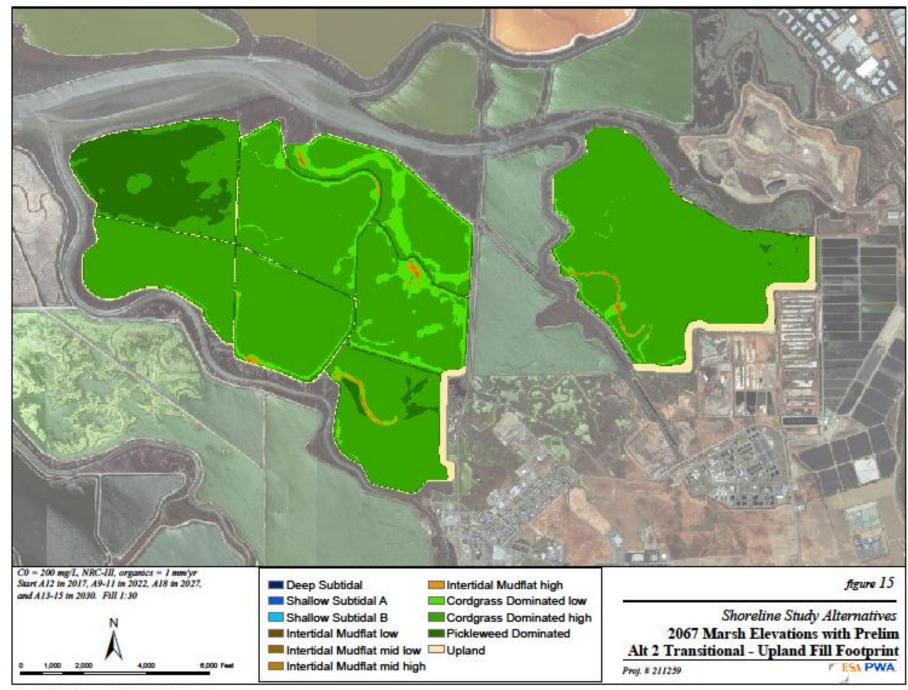


South San Francisco Bay Shoreline Study

Alviso Ponds & Santa Clara County Interim Feasibility Study

Other Participating Agencies: US Fish & Wildlife Service; California Department of Fish & Game; Alameda County Flood Control District





Terraced levee



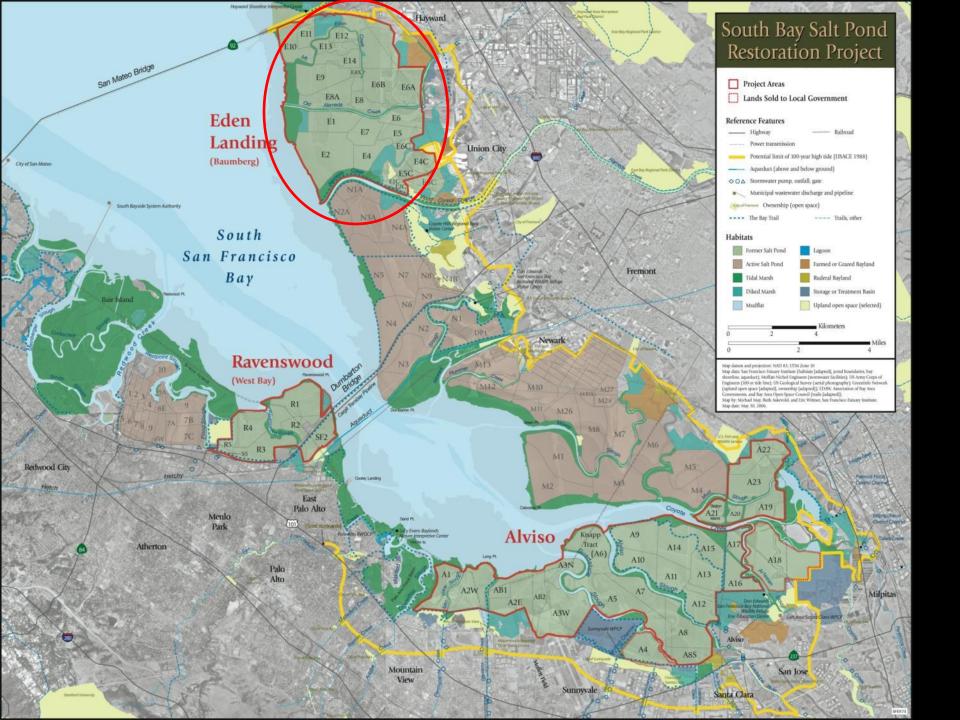
::: Hargreaves Associates :::

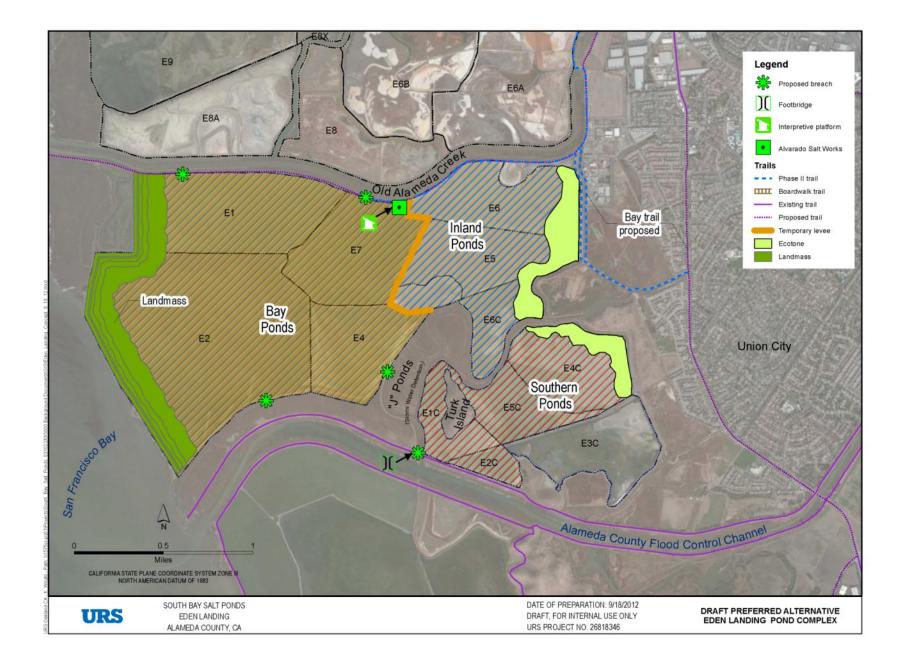
Estimated Costs

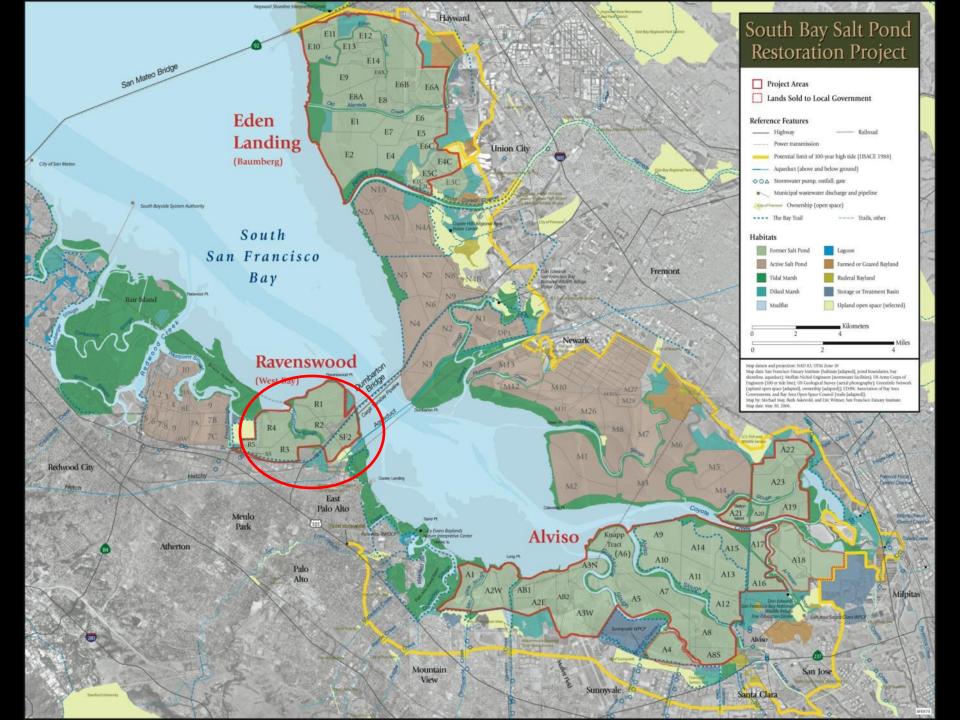
Tentatively Selected Plan	Estimated Total Project Cost	Estimated Non-Federal Cost Share	Estimated Federal Cost Share
Alviso North + WPCP South + Phased Restoration	\$112M	\$39M	\$73M

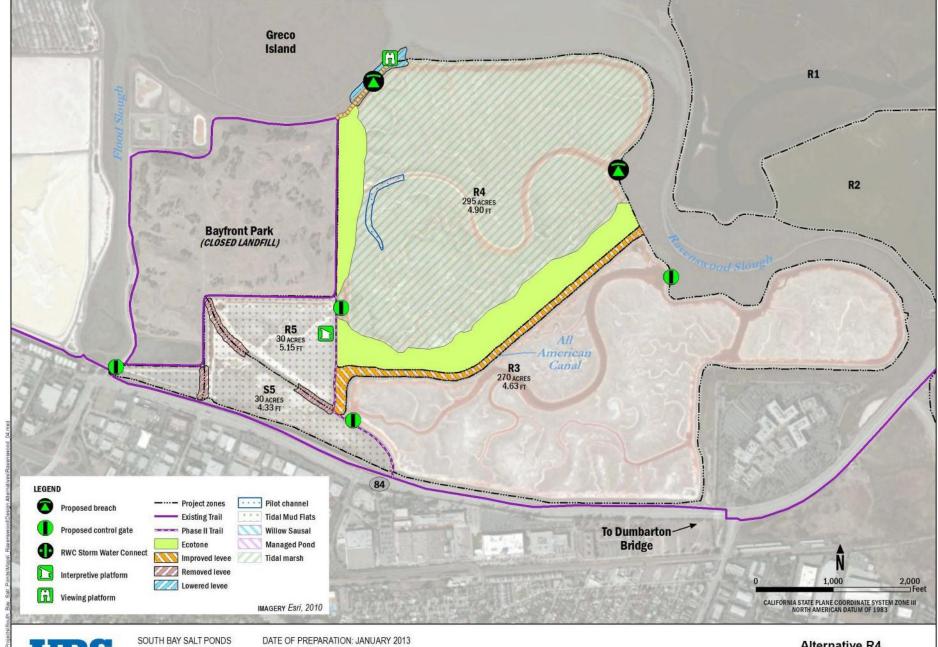
Estimated Quantities

Tentatively Selected Plan	Estimated Total Project Quantities	Estimated Ecotone Quantity	Estimated Engineered Levee Quantity
Alviso North + WPCP South + Phased Restoration	3.358 mcy	2.248 million cy	1.1 million cy











SOUTH BAY SALT PONDS RAVENSWOOD SANTA CLARA COUNTY, CA DATE OF PREPARATION: JANUARY 2013 DRAFT, FOR INTERNAL USE ONLY URS PROJECT NO. 26818348

Alternative R4
RAVENSWOOD POND COMPLEX

partnerships













































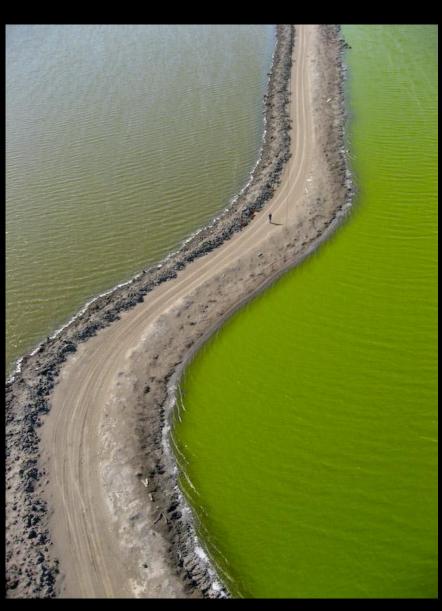














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Name: South Bay Salt Pond Restoration Project