

Hydrologic and Geomorphic Changes to Southern California Estuaries and Lagoons During Episodic Events Associated With the 2015-2016 El Niño: Insight to Potential Future Response to Sea Level Rise

SCCWRP - lead

UCSD/Scripps – co-lead

USGS

Tijuana NERR

Objectives

Improve our understanding of the effect of large storms on southern California coastal lagoon morphology and hydrology

Gain insight into how these systems may respond to future sea level rise and associated large coastal storms

Hydrologic and Geomorphic Changes to Southern California Estuaries and Lagoons During Episodic Events Associated With the 2015-2016 El Niño: Insight to Potential Future Response to Sea Level Rise

**Project Field Sampling Protocols:
October 15, 2015**

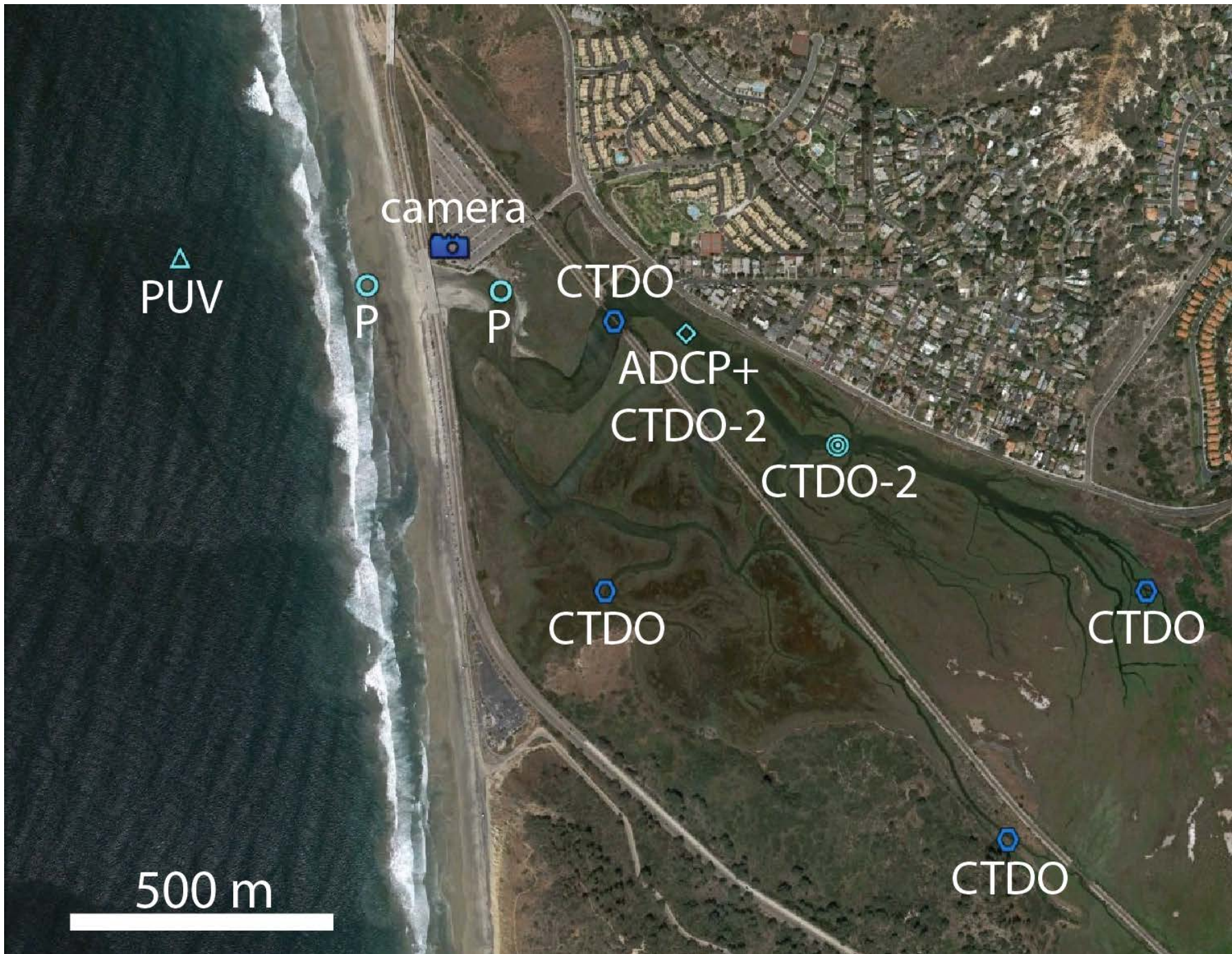


Eric Stein, Liesl Tiefenthaler, Southern California Coastal Water Research Project
Sarah Giddings, UCSD/ SCRIPPS
Chris Janousek, OSU/USGS
Karen Thorne, USGS
Jeff Crooks, Tijuana NERR
John Takekawa, Audubon/ USGS
David Jacobs & Rich Ambrose, UCLA

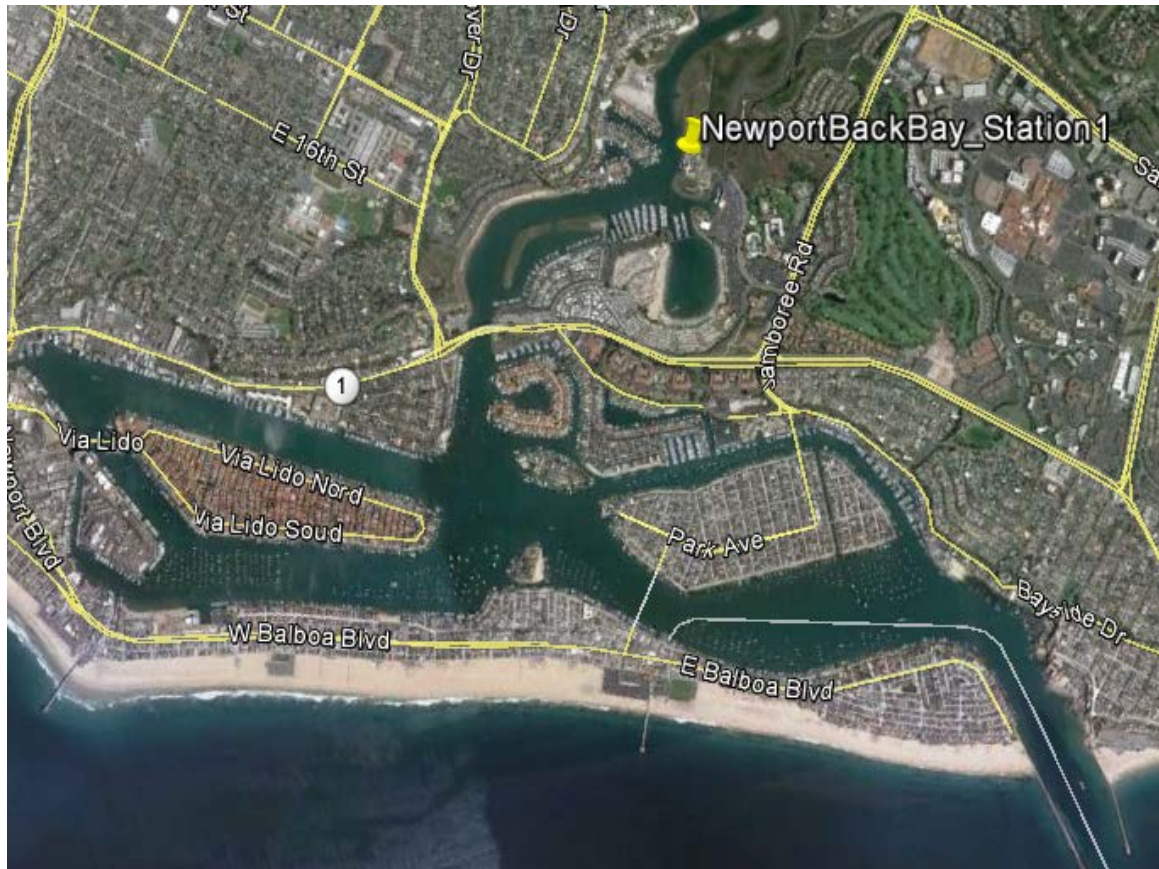
Core Monitoring Locations

Perennially Open	Intermittently Open
Newport Bay	Tijuana
Bolsa Chica	Los Penasquitos
Seal Beach	Malibu Lagoon
Alamitos Bay/Los Cerritos	Santa Margarita
Batiquitos	Mugu Lagoon
San Dieguito	San Mateo

**~ 50 Opportunistic sites
associated with willing partners**



Upper Newport Back Bay (Science Center)







Ⓧ Newport

51°F 10°C

11-26-2015 09:15:02

Balboa Pier, Newport Beach, California Tide Chart

Requested time: 2015-11-26 Thu 12:00 AM PST

