

# Abel Santana

Senior Research Technician

Biology Department

Southern California Coastal Water Research Project

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## Education

M.S., Geography, California State University, Long Beach, 2016

B.A., Geography, California State University, Long Beach, 2012

Certificate (Geographic Information Systems), Cypress College, 2009

## Professional Experience

Senior Research Technician, Southern California Coastal Water Research Project. Costa Mesa, CA.  
Present

Research Technician, Southern California Coastal Water Research Project. Costa Mesa, CA.  
2013-2017

Lab Assistant, Southern California Coastal Water Research Project. Costa Mesa, CA. 2012-2013

Internship, RedHill Group. Irvine, CA. 2011

Internship, Geography Department, CSULB, CA. 2011

Teaching, Supplemental Instruction, CSULB, CA. 2011-2012

Geography Tutor, Learning Center, CSULB, CA. 2011

Internship, Landata Airborne Systems, Inc. Irvine, CA. 2003

Internship, Cypress College, CA. 2002-2004

Teaching Assistant, Cypress College, CA. 2002-2004

# Professional Appointments

Geography Student Association, Vice President (2012)

Explorers Club, President (2010)

Progressive Students for Change, President and Co-founder (2010)

# Honors and Awards

Burton Anderson Scholarship Recipient (2012)

# Journal Articles

Irving, K., [K.T. Taniguchi-Quan](#), [A. Santana](#), M.L. Treglia, R.N. Fisher, J. Haas, C. Loflen, C. Brown, E.D. Stein. 2025. [Vulnerability of an Endangered Amphibian to Climate-Change Induced Hydrologic Change](#). *River Research and Applications* 41:1438-1455.

# Technical Reports

[Mazor, R.D.](#), K. Irving, [D.J. Gillett](#), [J.S. Brown](#), [A. Santana](#). 2025. [Improving biointegrity in engineered channels](#). Technical Report 1437. Southern California Coastal Water Research Project. Costa Mesa, CA.

[Mazor, R.D.](#), [A. Santana](#), C. Endris, K. O'Connor. 2020. [Assessing the representativeness of bioassessment samples using spatial statistical networks \(SSNs\) for watersheds in California: A guide for aquatic resource managers](#). Technical Report 1143. Southern California Coastal Water Research Project. Costa Mesa, CA.