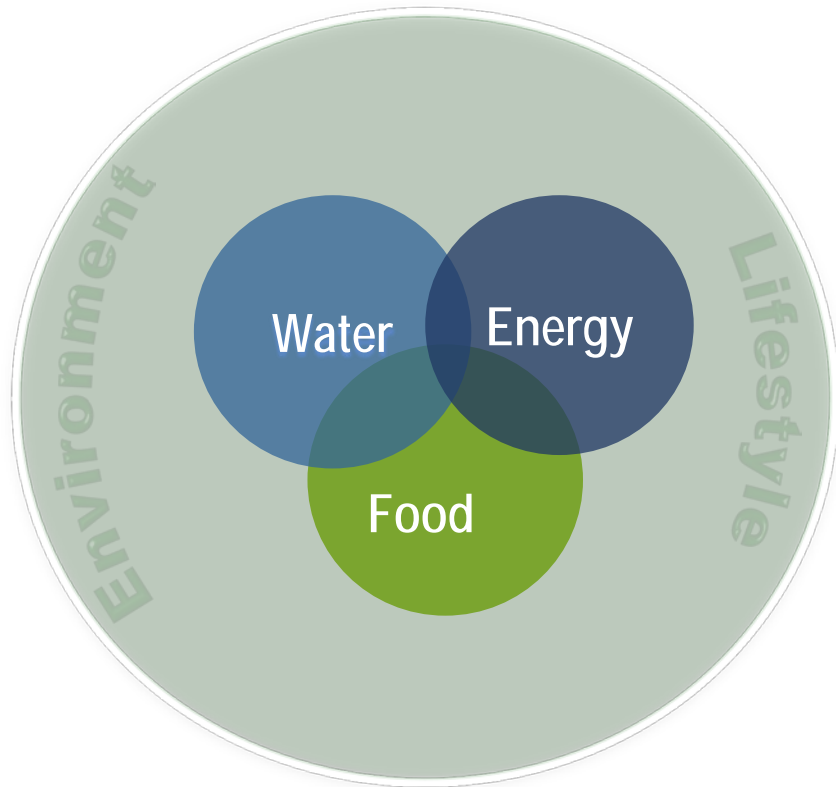




Refining future predictions and creating sustainable solutions

Dr. Amy Wagner, Ph.D.
Debbie Whaley, P.G.





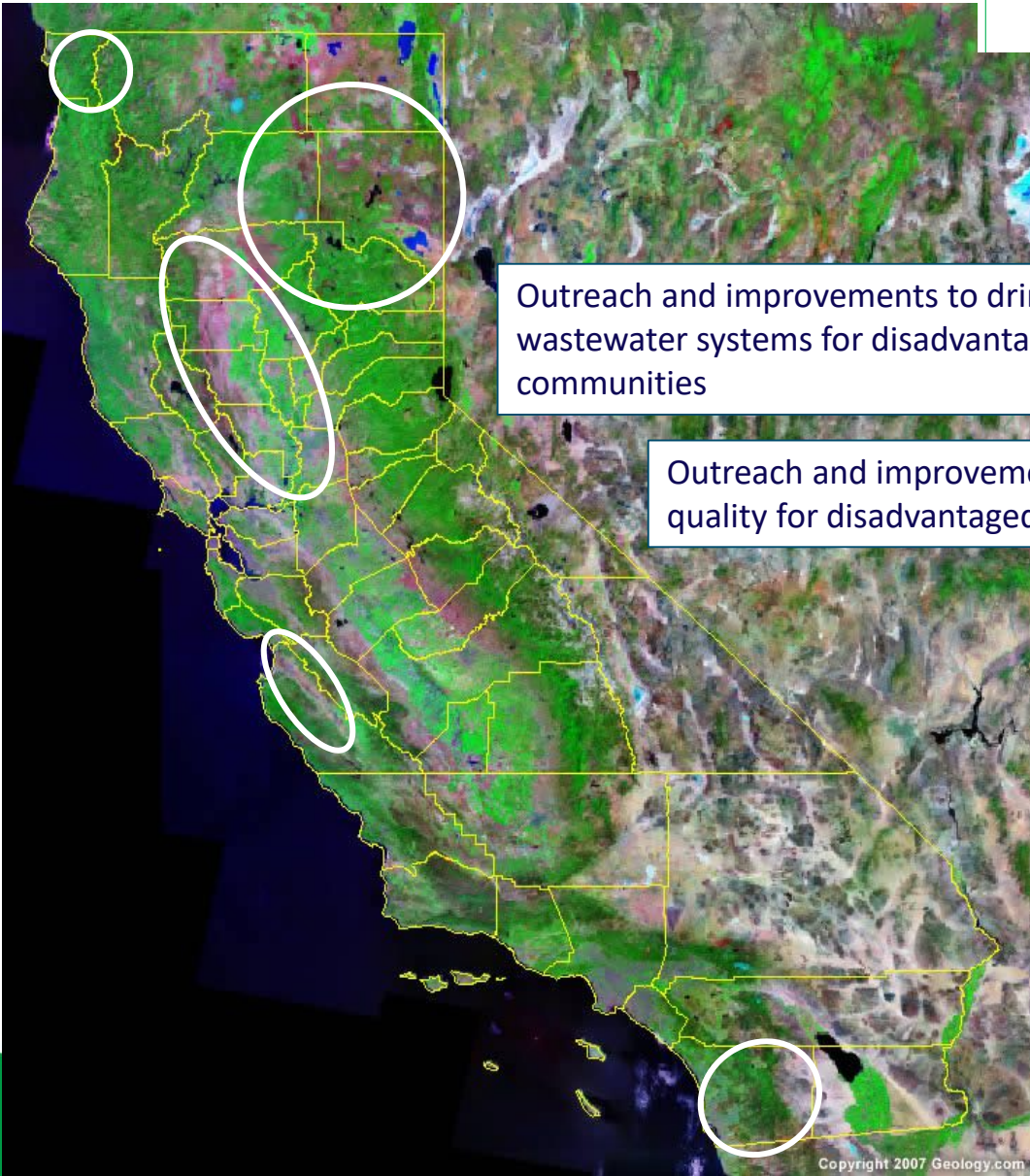
Vision

California's choice for identifying practical solutions that address today's social, policy and technical sustainability challenges

Mission

Facilitate faculty and student interdisciplinary, practical research and outreach that advances the sustainability of our lifestyle and environment through our water, energy and food systems





Outreach and improvements to drinking- and wastewater systems for disadvantaged communities

Outreach and improvements to groundwater quality for disadvantaged communities

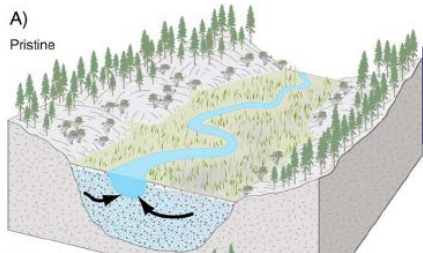
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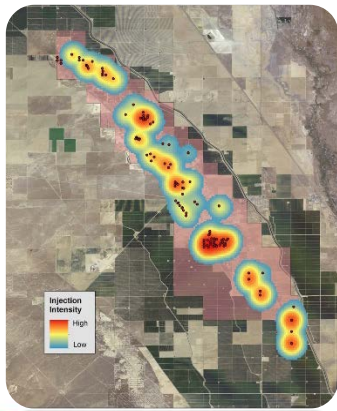


Lower American River

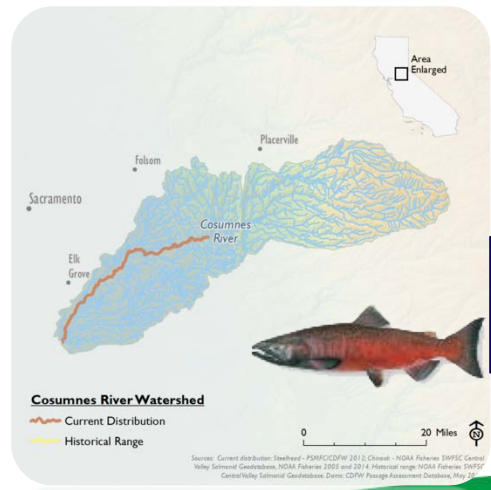
W. M. KECK FOUNDATION



Upper mountain meadows



Oil and gas production impacts on shallow groundwater

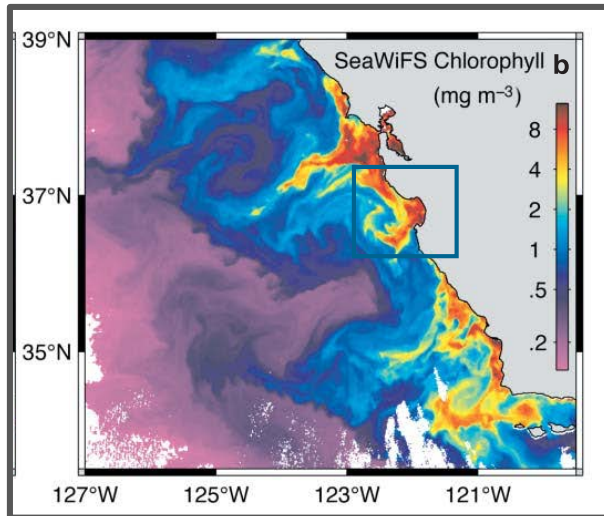


Groundwater monitoring, recharge and basin sustainability

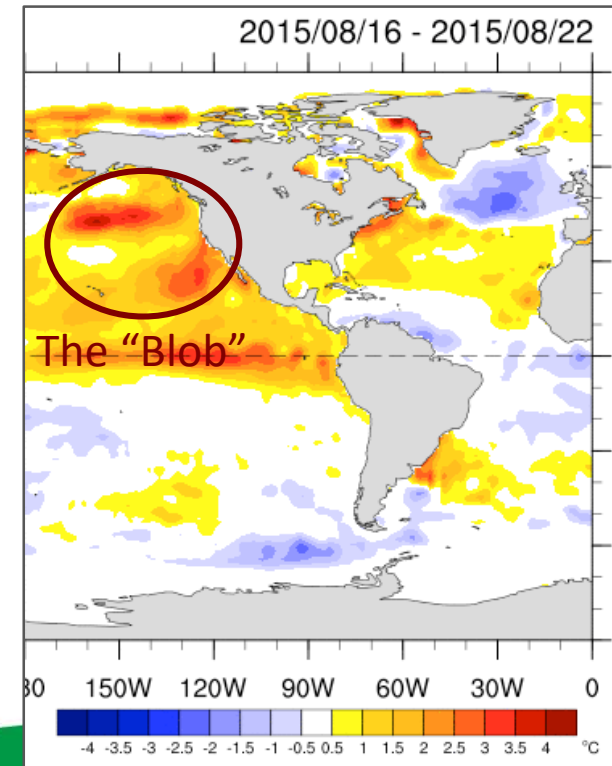


Holocene Primary Productivity in the CA Current Ecosystem

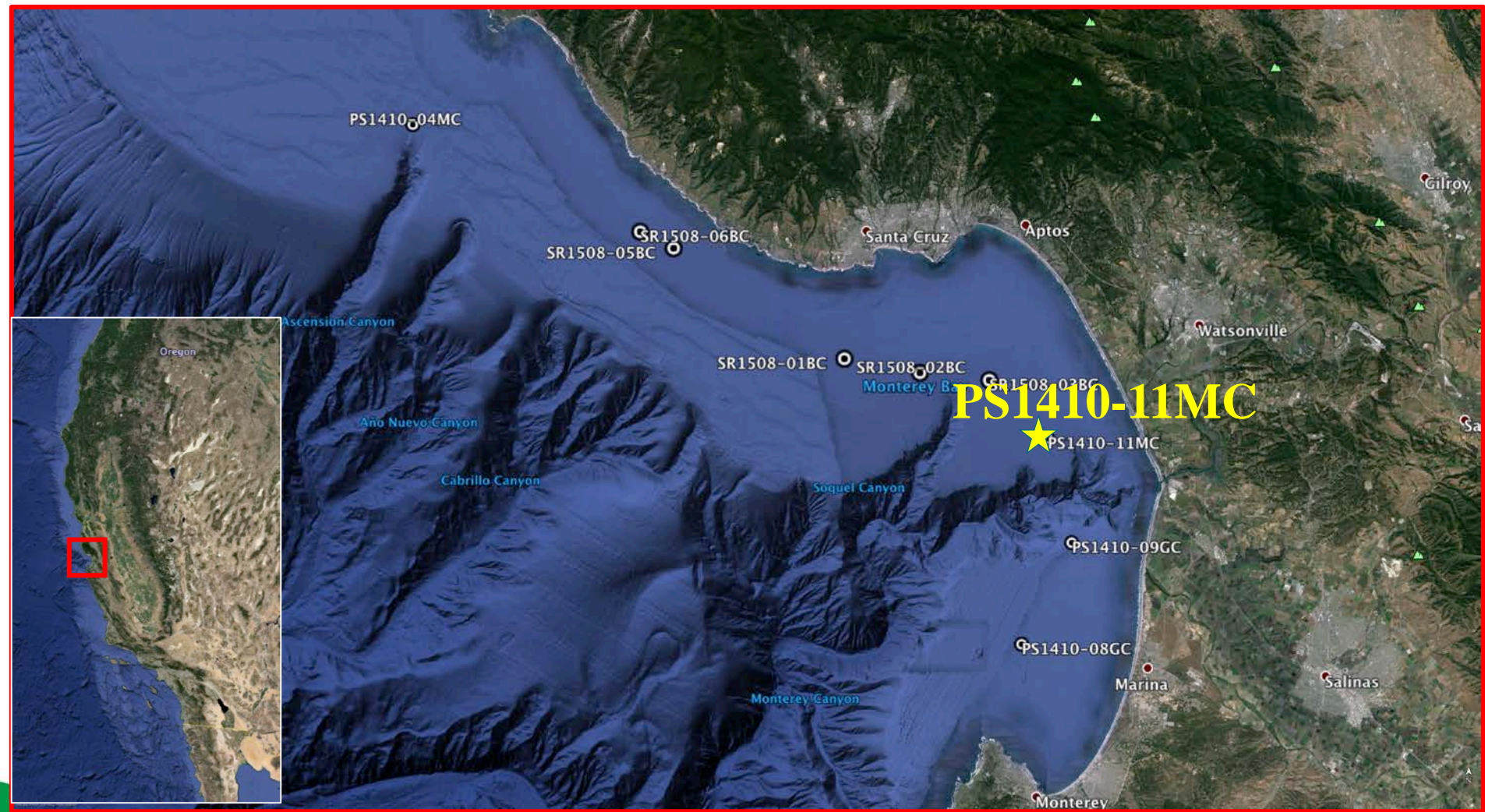
Objective: By understanding how marine changes have influenced upwelling and primary productivity off California in the past, we hope to provide data to refine predictions for the future



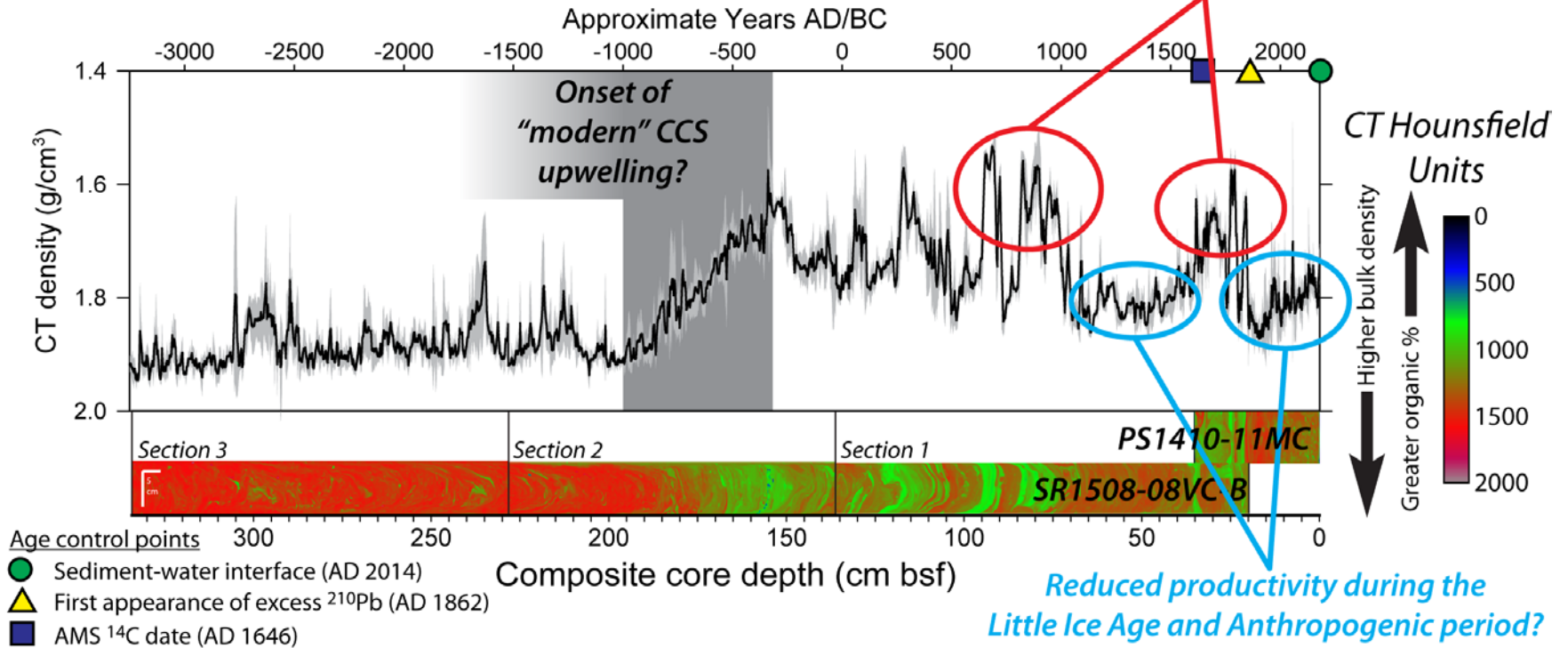
Neurotoxin-producing algae *Pseudo-nitzschia* (Image from NOAA Fisheries)



USGS technician, Valerie Schwartz and CSUS students, Liane Phe and Locksley Russ collecting cores, August 2015

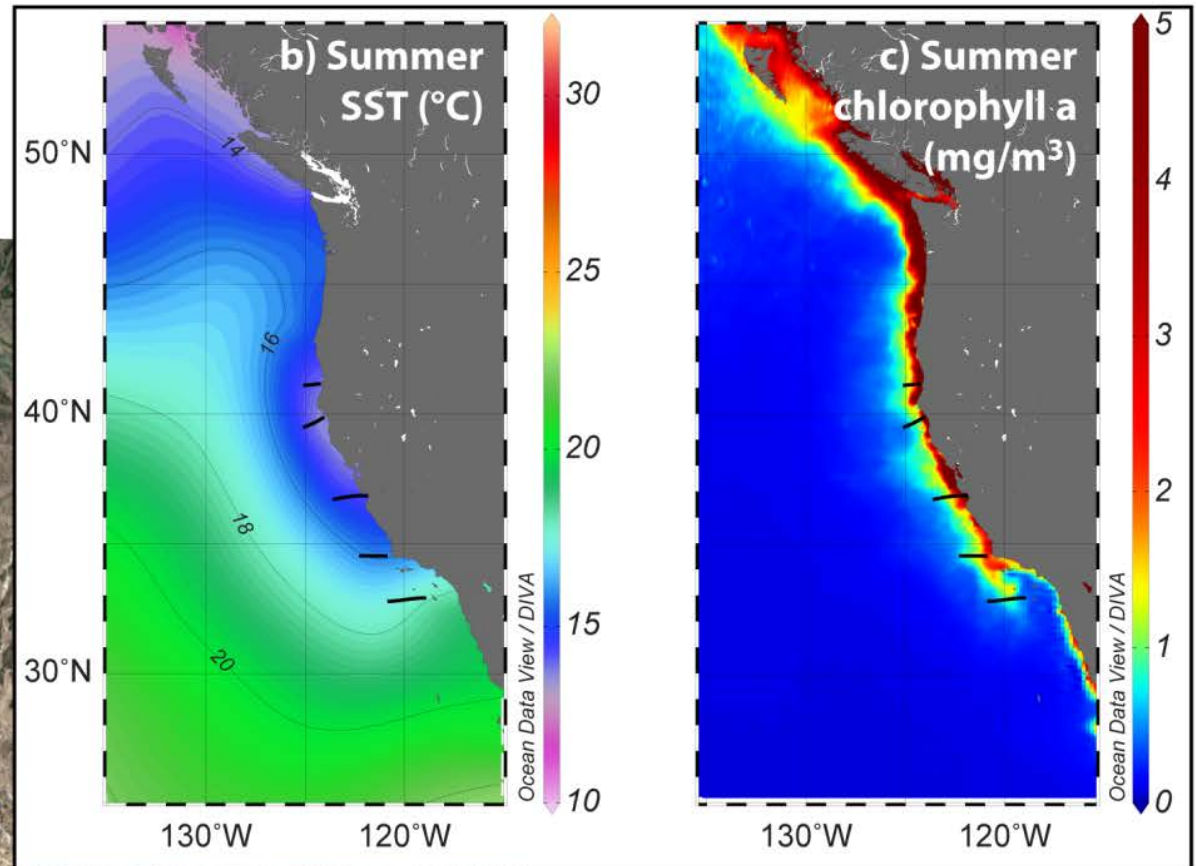
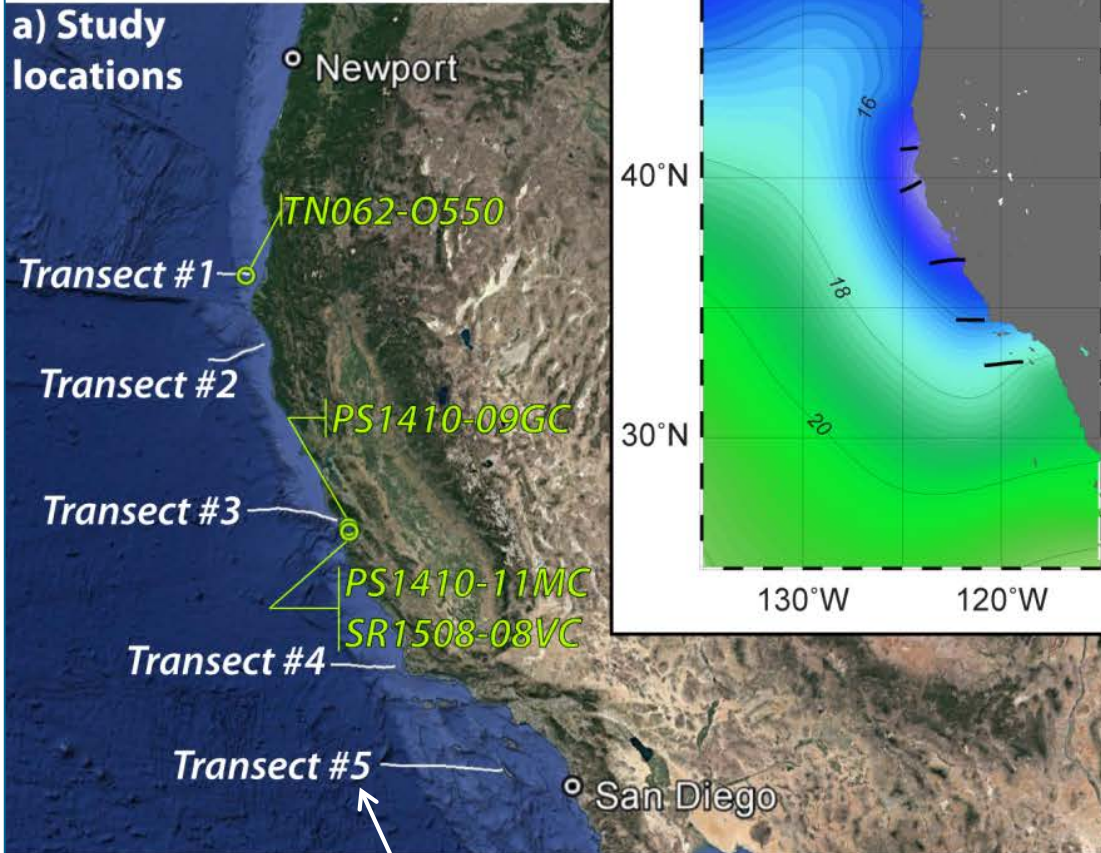


Monterey Bay: PS1410-11MC & SR1508-08VC-B composite



Proposed core locations

a) Study locations



Scheduled to collect suite of cores on R/V Sally Ride out of Scripps Institute of Oceanography 3-11 Feb, 2017.



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