

Annual Meeting April 13, 2017



COAST Is Broad

Umbrella organization for marine, coastal and coastal watershed related activities within the CSU



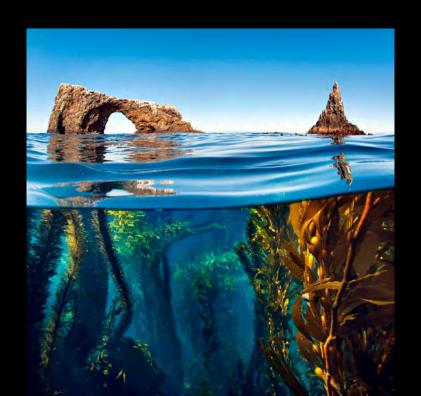
NOT Limited to California





Two main goals guide activities

1. Advance our knowledge of marine and coastal resources and the processes that affect them.



2. Inform decisionmaking and the development of responsible policy.

Priorities for 2016-2021

- Provide funding to support research
- Train students to succeed in the workforce
- Communicate with stakeholders and public
- Serve as a primary resource for informed decision-making



COAST will provide ~\$200,000 in faculty research support this year

Program	# of Awards	Award total
Grant Development Program	8*	\$155,000*
Rapid Response Funding	4	\$27,662
Seminar Speaker Series	6	\$4,379
Short Course, Workshop, Symposia Funding	1	\$10,000
Total	19	\$197,862*

^{*} Estimate

COAST investment results in extramural funding

	COAST Award		2016-17 Extramural Funding	
PI (Campus)	Program	Year	Funder	Amount
Aiello (San Jose)	RR	2015-16	CA Marine Sanctuary Foundation	\$20,000
Boyer (San Francisco)	GDP	2015-16	CA State Coastal Conservancy	\$262,255
Carrano (San Diego)	GDP	2016-17	NSF	\$145,068
Lewison (San Diego), Hines (San Francisco)	CRS	2012-13	NOAA	\$80,000
Mackie and Okuda (San Jose), Amagata (San Francisco)	GDP	2014-15	NSF	\$1,575,073
Tomanek (San Luis Obispo)	FRIP	2011-12	NSF	\$591,476
TOTAL				\$2,673,872

Support for student research and workforce development

Program	# Students Supported	Amount
Graduate Student Research Awards	34	\$102,000
Undergraduate Student Research Support Program	75*	\$53,861
Student Travel Awards	57	\$40,428
Summer Internships	18	\$70,800§
Total	184	\$267,089

^{*} Estimate based on prior years

^{§ ~50%} provided by Hosts

Sea Star Wasting Disease Causes, Impacts and Recovery

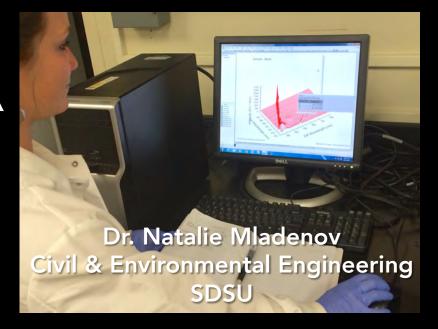


Refugio Oil Spill



Santa Barbara County May 19, 2015





El Niño Impacts

Drs. Crow White and Ben Ruttenberg
Biology, SLO
Dr. Danielle Zacherl, Biology, Fullerton





HSU helps northern CA fishing communities

- NOAA Saltonstall-Kennedy: \$271,000
 - Fishing community sustainability plans
 - Social, economic, and environmental factors



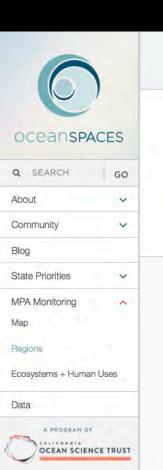
- Dr. Laurie Richmond, Environmental Sciences
 & Management
- Drs .Steven Hackett and William Fisher, Economics
- Dr. Brian Tissot, Biology
- Dr. Joe Tyburczy, CA SG Extension

Marine Debris and Microplastics



Carpenter EJ, Smith KL Jr. 1972. *Plastics on the Sargasso sea surface*. Science. 175(4027): 1240-1.

Marine Protected Areas



Regions

California is home to the largest scientifically based network of marine protected areas in the nation. This statewide network, which stretches the entire length of the California coast, is implemented and managed in four coastal regions. Scientific monitoring is underway in each region, beginning with baseline monitoring to establish a benchmark of ocean condition and then transitioning to long-term assessments of ocean health and MPA performance.





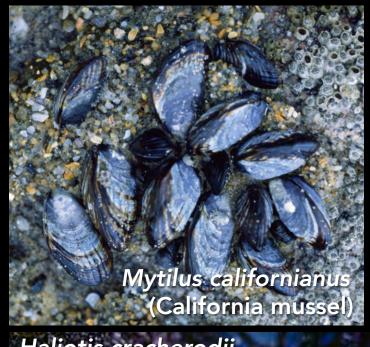
JOIN OUR COMMUNITY





South Coast

Biological Climate Change Impacts Ocean acidification, hypoxia, thermal stress







Physical Climate Change Impacts Erosion, sea level rise, storms







Fisheries Management



Informing data poor fisheries



Evaluating fishing practices for more efficient management

Sustainable Aquaculture

- Finalizing MOUs with industry partners
- Extensive stakeholder engagement
- Significant student involvement



- Actively seeking external funding
 - CA SG, NOAA, DOE

Ecophysiology "Putting the animal back together"

- June 2016 workshop
 - Channel Islands, East Bay, Fresno, Long Beach,
 Monterey Bay, San Francisco, San Jose, San
 Luis Obispo, Sonoma
- August 2016 NSF RCN submission (\$500K)
 - Positive reviews, encouraged to resubmit



2016-2021 Strategic Plan



- Amplify success
 - News
 - Publications
 - Funding
- Inform decision-making

Share your news!

CSU Fullerton researchers have published a study about evidence of abrupt sinking of the wetlands near Seal Beach caused by ancient earthquakes that shook the area at least three times in the past 2,000 years. The team includes Dr. Matthew Kirby, Dr. Brady Rhodes, and his former student, and previous COAST awardee, Robert Leeper.

more >>



Share Your News with COAST!

We want to hear about your news - please share it with us! We will post your story on the COAST website and/or Facebook page. Please paste a link to your news story below.

*Link to News Story

*E-mail Address

Submit

Open Funding Opportunities

 Short Course, Workshop, and Symposia Funding Program

Announcements

- COAST 2016 Annual Report
 Available Online
- COAST Annual Meeting: April 13, 2017

Get Involved

- · Become a Member
- Sign up for the Student Email List
- · Sign up for the Faculty Email List

Scholars In Training Research opportunity for first and second year undergraduates

- Dept. of Education HSISA funding (CSUMB)
- 1st and 2nd year undergrads will assist MLML graduate students with thesis work
 - First hands-on research opportunity
- Eligible for funding for independent research in 3rd or 4th year



State and Federal Engagement

- Understand state and federal needs for data and information
 - Legislators and staff
 Decision-making
 - Agencies Policy and management actions
- Determine how CSU can meet needs
 - Supports faculty research
 - Trains students

