

Jacob H. Eisaguirre

Marine Science Institute
University of California, Santa Barbara
Santa Barbara, California

Phone: (805) 679-3956
Email: jake@eisaguirre.com

Education

Masters in Environmental Data Science (Fall 2021)

Bren Environmental Science and Management, University of California, Santa Barbara
Will begin masters of Fall 2021

B.S. Environmental Studies w/ an emphasis in Ecology, Evolution, and Marine Biology

University of California, Santa Barbara (2015-2019)- Santa Barbara, California

GPA: 3.46 (3.85 Upper division)

Relevant Coursework: Ecology, Evolution, and Marine Biology; Aquatic Communities; Fish Biology; Applied Marine Ecology; Ecosystem Processes; Coral Reefs; History of the Oceans; Biometry

Santa Barbara City College (2015)- Santa Barbara, California

GPA: 4.0

Relevant Coursework: Terrestrial Ecology, Environmental Studies 2

Eckerd College (2014-2015)- St. Petersburg, Florida

GPA: 3.34

Relevant Coursework: Biological Oceanography, Geological Oceanography, Environmental Studies 1

Employment

Research Technician (2016-Present)- *Caselle lab/PISCO*, Marine Science Institute, UCSB

- Captain UCSB R/V's for subtidal research cruises
- Conduct subtidal and intertidal temperate rocky reef surveys
- Conduct drop camera (BRUV) surveys and video analysis
- Analyze data to understand interactions among communities

Scientific Aid (2019-2020)- *Pelagic Fisheries and Ecosystem Project*, California Department of Fish and Wildlife

- Collected samples for commercial coastal pelagic species landed at Santa Barbara, Port Hueneme, and Ventura port complexes
- Processed coastal pelagic species samples in the wet lab
- Entered sample data and wrote daily reports on commercial coastal pelagic species landings

UC Reserve Steward (2019-2020)- *Kenneth Norris Rancho Marino UC Reserve*, UC Natural Reserve System

- Assisted researchers
- Maintained reserve property

Aggressor Live Aboard Dive Fleet Intern (2012-2016)- Diver Master, Photo pro, and Intern

- Intern for the company learning how the boats operate
- Received Diver Master Certification to lead dives
- Photo pro for each boat, took pictures of guest above and below water

R.E.E.F. Guide (2010-2016)- *Research Experience Education Facility*, Marine Science Institute, UCSB

- Learned all scientific names and ecology of present organisms
- Led tours to K-12 students at the Touch Tanks
- Taught Kelp Forest Ecology

Nature Track Guide (2013- Present)- *Nature Track*, Non-profit that brings K-12 students into Nature

- Educate students about ecosystem and community dynamics
- Take students on hikes

Peer-Reviewed Publications, in Review, & in Progress

- **Eisaguirre, J.H.**, J.M. Eisaguirre, K. Davis, P.M. Carlson, S.D. Gaines, J.E. Caselle. 2019. Trophic redundancy and predator size class structure drive differences in kelp forest ecosystem dynamics. *Ecology*.101(5):e02993. [10.1002/ecy.2993](https://doi.org/10.1002/ecy.2993)

Grants, Awards, & Funding

- **1st place:** UCSB Library Research Award, 2019 (\$750)
- **1st place:** UCSB Transfer Student Research Award, 2018 (\$40)

Conference Presentations

- **Eisaguirre, J.H.**, J.M. Eisaguirre, K. Davis, P.M. Carlson, S.D. Gaines, J.E. Caselle. October 2019. 100th Western Society of Naturalists, Ensenada, Baja, Mexico. Trophic redundancy and predator size class structure drive differences in kelp forest ecosystem dynamics. (Talk)

Skills & Training

- UCSB R/V Captain
 - AAUS Scientific Diver
 - SSI Dive Master (~800 dives)
 - R studio, JMP, Excel, Event Measure
 - 16 Years Boating Experience
 - California Boating License
 - Dry Suit Diver
 - SSI Rescue Diver
 - CPR/ First Aid/ Oxygen Administration
-
-

Last updated: July 6, 2021
jake@eisaguirre.com