

Samantha Kuglen

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EDUCATION

M.S. - Master of Environmental Science and Management, 3.89 GPA (June 2023)

Bren School of Environmental Science & Management – University of California, Santa Barbara (UCSB)

Specialization: Coastal Marine Resources Management

Highlighted Coursework: Applied Marine Ecology, Coastal Policy & Management, Environmental Biogeochemistry, Env. Economics, Env. Law, Physical Oceanography, Statistics and Data Analysis

B.S. - Bachelor of Science in Marine Biology, Minor in Environmental Studies (June 2019)

University of California, San Diego (UCSD)

Awards: Biological Sciences Department Undergraduate Excellence in Teaching Award 2018-2019

MASTER'S THESIS – FISHERIES SUSTAINABILITY CONSULTING PROJECT

Role: Project Manager | **Client**: Conservation International – Santa Barbara, CA (3/22 – 6/23)

- Collaborated on a 3-person team to perform an economic analysis on Fiji's domestic albacore tuna fishery
- Identified specific costs to support Fiji's sustainability initiatives and address: (1) human rights abuses (2) bycatch of protected species and (3) Illegal, Unreported, and Unregulated (IUU) fishing
- Designed a pathway for the fishery to gain greater market access and increased profit margins through raising quality of sourcing standards and achieving seafood sustainability metrics
- Presented our cost analysis findings in Fiji to 15 stakeholders and communicated findings in a detailed 35-page report, 2-page infographic flyer, R project code, and Excel spreadsheet

MARINE SCIENCE & OCEANOGRAPHY EXPERIENCE

Coastal Studies Intern, Sofar Ocean Technologies – San Francisco, CA (6/22–present)

- Analyzed data from remote sensing equipment: acoustic sonar, buoys, barometers, temperature sensors
- Conducted market research to identify customer needs and trends within the climate technology sector
- Developed a business partnership model for coastal wave and temperature data to be utilized by universities and local governments for recreation info, storm surge safety, and research

Fisheries Technician, National Park Service (NPS) – Golden Gate Recreation Area, CA (10/20–8/21)

- Fieldwork monitoring of federally endangered Coho salmon and steelhead trout populations
- Performed in-creek spawning surveys, electrofishing, and tagging to track population health & abundance
- Engaged in community outreach through NPS [blog updates](#) and leading volunteer events of 30+ individuals

Research Assistant, NOAA Southwest Fisheries Science Center – La Jolla, CA (11/18–7/19)

- Researched trophic effects on coastal ecosystems from biotoxins produced in seasonal algal blooms
- Collected seawater samples at the Scripps Institution of Oceanography pier weekly for 9 months and prepared 24-hour brine shrimp lethality assays (BSLA) for toxicity testing

ADDITIONAL EXPERIENCE

Data Management Assistant – *Scripps Institution of Oceanography* (2/19–6/19) – La Jolla, CA

Marine Biology & Ocean Operations Intern – *City of San Diego* (10/17–10/18) – San Diego, CA

Teaching Assistant – *UCSB Depts of Oceanography and Earth Science* - (03/22–07/23) – Santa Barbara, CA

SKILLS

Certifications: PADI Open Water & Advanced Open Water Diver, First Aid & CPR

Communication: Public speaking, community outreach, scientific environmental writing

Organizational: Permitting & planning, inventory keeping/ordering, project management, task prioritization

Technical: Adobe CS6, GIS, Google Suite (Docs, Drive), Microsoft (Access, Excel, Word), python, R, SQL