**Travis Leggett**

tleggett@mlml.calstate.edu **|** (818)438-0945

**RESEARCH INTERESTS**

Marine ecology; community ecology; habitat engineers; climate change driven stressors; species interactions; marine conservation: Scientific SCUBA diving techniques

**EDUCATION**

### **California State University Monterey Bay (CSUMB)| Marina, CA** 09/2015 – 12/2018 BSc: Marine Science

### **Santa Monica College (SMC) | Santa Monica, CA** 09/2012 – 06/2015General Education

**PROFESSIONAL EXPERIENCE**

**Assistant Manager| Fieldwork Brewing Co** 01/2020 – 07/2020

* Organized staff duties and allocated resources during the course of operations, ensuring a high-quality experience for each guest.
* Trained new employees

**Consultant| Fathom Consulting** 09/2019 – Current

* Analyze data, design infographics, and generate heat maps using R Studio for various research departments.

**Dive Master|Breakwater SCUBA** 5/2019 - 1/1/2020

* Guided SCUBA tours, ensuring safety while teaching clients about the local marine flora and fauna.

**Video Analyst|CSUMB** 11/2018 – 4/2019

* Recorded substrate, bathymetry, fish, and invertebrate data from video collected by an ROV transect in the Olympic Coast, WA.

**CSUMB Undergraduate Research Opportunities Center (UROC) Researcher|**

**Hopkins Marine Station of Stanford University: Micheli Lab** 06/2018 – 12/2018

* Independent Project: *Grazing interactions under ocean acidification and hypoxia between key benthic invertebrates and kelp in the California Current*
* Independent Project: *The respiratory effects of ocean acidification on key benthic invertebrates in the California Current*
* Employed Arduino controlled mesocosms to manipulate climate-related stressor levels.

**CSUMB UROC Researcher | Hopkins Marine Station of Stanford University:
Micheli Lab** 10/2017 – 06/2018

* Assisted Ph.D. candidate Crystal Ng with her research on invertebrate grazing rates on juvenile kelp under climate change driven stressors.
* Cultivated juvenile kelp
* Collected target species on SCUBA

**Research Experience for Undergraduates (REU) Intern | University of California
Santa Cruz (UCSC): Raimondi-Carr Lab** 06/2017 – 10/2017

* Built large experimental cages and constructed reefs within them
* Conducted 100+ invertebrate, algae, UPC, and fish SCUBA transect surveys for UCSC PISCO.

**VOLUNTEER WORK AND PUBLIC OUTREACH**

**Research Assistant | Dr. James Lindholm, Caribbean** 01/2018

* Documented fish foraging behavior and population abundances on SCUBA

**Scientific Diving Teaching Assistant | Hopkins Marine Station** 10/2017 – 12/2018

* Assisted the scientific diving course with techniques, task loading, navigation, and equipment handling procedures.

**SCUBA Teaching Assistant | CSUMB** 10/2017 – 12/2019

* Assisted in Open Water, Advanced/Rescue, Master, and Scientific diving courses by demonstrating skills, proper equipment use, and leading dives.

**Research Assistant | CSUMB Institute for Applied Marine Ecology (IfAME)** 10/2017 – 06/2018

* Conducted stereo video and fish transect surveys up to 130‘ in the Carmel Canyon.

**University Dive Team| Monterey Bay Aquarium** 09/2017 – 12/2018

* Maintained tanks at the offsite, auxiliary facility, and assisted in SCUBA surveys in partnership with California Reef Check.

 **Husbandry Volunteer | Monterey Bay Aquarium** 09/2016 – 06/2017

* Cleaned exhibits and provided primary care to mollusks in the *Tentacles* gallery in order to maximize the guest experience.

**Scientific Outreach Intern | Heal the Bay Santa Monica Pier Aquarium** 06/2016 – 10/2016

* Constructed lesson plans for children to engage them in the scientific process and involve them in a research project.

 **Research Assistant | Moss Landing Marine Labs** 10/2015 – 06/2016

* Under Master’s student Catarina Pien, deployed longlines and gill nets in the Elkhorn Slough, catching and tagging various sharks and rays.

**Outreach Volunteer| Heal the Bay Santa Monica Pier Aquarium** 09/2014 – 06/2015

* Introduced and instructed guests of all ages about local marine organisms and climate change.

**UNIVERSITY SERVICE**

**Coach | CSUMB Water Polo Club**  8/2018 - Current

* Organize and design practices/workouts for men and women of CSUMB’s first competitive collegiate club water polo team.
* Assigned player roles and responsibilities in the pool by leveraging demonstrated strengths.

**President | CSUMB Water Polo Club** 01/2017 – 12/2018

* Organized and coached practices. Set up matches, organized home events, and transportation to matches. Delegated tasks and reached out to community members for support.

**CERTIFICATIONS**

GIS (ESRI)

DAN Oxygen First Aid for SCUBA Diving exp: 11/19/21

First Aid & CPR exp: 11/19/21

PADI Nitrox

NAUI Drysuit

NAUI Divemaster #60342

Reef Check: Invertebrate, Algae, & Fish surveys

**ADDITIONAL SKILLS**

**Software:** Lightroom. Excel. R Studio. GIS (ESRI)

* + Well experienced managing and consolidating large data sets.

**SCUBA Diving:**  300+ dives logged, more than 150 of those being scientific dives.

* + 100’ Depth Clearance: CSUMB

**Data Collection and Analysis:** Extensive experience collecting field data on SCUBA and in a laboratory setting.

* + California subtidal marine flora and fauna identification.

**PRESENTATIONS**

CSUMB UROC Symposium: Poster 2018

Meeting of the Western Society of Naturalists (WSN): Poster 2018

Symposium for Undergraduate Research at UCSC (SURU): Poster 2018

Hopkins Marine Station of Stanford University: Talk 2018

**AWARDS**

“**Best Undergraduate Poster**”: *Grazing interactions under ocean acidification and hypoxia between key benthic invertebrates and kelp in the California Current*| Western Society of Naturalists (2018)

**PROFESSIONAL MEMBERSHIPS**

Member | National Association of Underwater Instructors (NAUI)

Member | American Academy of Underwater Sciences (AAUS)

Member | Western Society of Naturalists (WSN)