

Kari A. Eckdahl

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Education

2011-present California State University, Fullerton, Advisor: Dr. Danielle Zacherl
M.S. in Biology: Black abalone (*Haliotis cracherodii*) abundance and habitat availability in southern California. Est. graduation date May 2015.

2007-2010 Sonoma State University, B.S. Biology *cum laude*

Research Experience

6/2014 - **Abalone biologist** • Darren Fong and Dr. Ben Becker, National
9/2014 Park Service • Designed long-term monitoring protocol for black abalone surveys in Golden Gate and Point Reyes National Parks. Identified and selected locations for long-term monitoring transects, constructed maps in ArcGIS, designed data collection protocol, and surveyed sites. Established database and protocol for future data compilation, storage, and processing. Wrote summary report of project and recommendations for future action regarding black abalone in the parks.

4/2013; **Intertidal Monitor** for MARINE (Multi- Agency Rocky Intertidal Network)
4/2014; Stephen Whitaker, Channel Islands National Park; Dr. Jayson Smith, CSU
10/2011 - Fullerton • Participated in seasonal long-term monitoring surveys along
8/2012 the rocky intertidal zone on the Channel Islands and the southern California mainland. Conducted abalone surveys, photo plots, motile invertebrate counts, and updated plot markers. Processed data collected in the field, including scoring photo plots and data entry.

4/2011 - **Natural Resources Intern** • Darren Fong and Dr. Ben Becker, National
7/2011; Park Service • Assessed survey sites for black abalone habitat and
7/2010 - species composition, set up plots, trained volunteers, created maps using
9/2010 ArcGIS software. Participated in mussel surveys, tidewater goby surveys, snowy plover surveys, MARINE seasonal monitoring, and a salmonid habitat restoration project at Redwood Creek.

11/2010 - **Coral Reef Restoration Intern** • Dr. David Vaughan, Mote Marine
1/2011 Laboratory • Aquarium maintenance and care of cultured corals. Conducted experiment on coral growth rates. Used ImageJ software to quantify growth of corals out-planted in nursery.

3/2010 **Field Assistant** • Segal Boaz, Graduate student under Dr. Dan Crocker, SSU • Captured, weighed, tagged and released elephant seal weaners.

7/2009 - **Data Analyst** • Dr. William Sydeman, Farallon Institute • Analyzed a squid
12/2009 data set for the effects of El Niño on squid abundance and size off the coast of California.

Teaching and Tutoring Experience

2013- present Biology 101 Lab teaching associate for CSU Fullerton.
2011 - 2014 Biology 171 Lab teaching associate for CSU Fullerton.

Professional Presentations

Eckdahl, K.A. and Zacherl, D. (2014) Come shell or tidewater...The black abalone (*Haliotis cracherodii*) 'returns' to the southern California mainland. Talk presented at the Western Society of Naturalists Annual Meeting, November 2014.

Eckdahl, K.A. and Zacherl, D. (2014) Black abalone (*Haliotis cracherodii*) presence, density, and habitat availability in southern California. Talk presented at the San Diego Shell Club, August 2014.

Eckdahl, K.A. and Zacherl, D. (2013) Black abalone (*Haliotis cracherodii*) presence, density, and habitat availability in southern California. Poster presented at the Western Society of Naturalists Annual Meeting, November 2013.

Eckdahl, K.A. (2013) Determining black abalone (*Haliotis cracherodii*) presence/density and habitat availability in southern California. Talk presented at the Western Society of Malacologists Annual Meeting, June 2013.

Federal Reports

Eckdahl, K.A. In progress. Long Term Monitoring Protocol for Black Abalone at Point Reyes National Seashore and Golden Gate National Recreation Area. Internal Report for National Park Service.

Eckdahl, K., Henry, A., Fong, D., Becker, B. (2011) 2010 Black Abalone Inventory for Point Reyes National Seashore and Golden Gate National Recreation Area. Internal report for National Park Service and National Oceanic and Atmospheric Administration.

Grants and Awards

2013 COAST travel funding for Western Society of Naturalists Conference: \$400
2013 Associated Students Union Grant: \$450
2011 EPOCHS Graduate Research Fund: \$100
2010 Mote Marine Laboratory Scholarship: \$1500

Professional Associations

Western Society of Naturalists
National Shellfisheries Association

Additional

SSI SCUBA license, PADI Advanced Open Water license, Computer software experience with MS Office, JMP stats program, Google Earth, Pathfinder, ArcGIS, ArcMap and ImageJ. 2012/2013 Biology Graduate Student Club Treasurer.

References

Dr. Danielle Zacherl
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Dr. Jayson Smith
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Dr. Ben Becker
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