

Zeke Grader Fisheries Forum/Briefing for Senator McGuire
11 February 2016

BIOGROPHY FOR CLARISSA ANDERSON

Dr. Clarissa Anderson is a biological oceanographer at the Institute of Marine Sciences, University of California Santa Cruz. She specializes in harmful algal blooms, in particular the diatom *Pseudo-nitzschia* and the neurotoxin it produces, domoic acid. Anderson has led the development of forecasting models to predict when and where blooms of the toxic algae will occur. She is interested more generally in understanding how coastal ocean ecology responds to environmental variability. She has a B.A. in Integrative Biology from UC Berkeley and a Ph.D. in Marine Science from UC Santa Barbara, followed by postdoctoral work in Washington D.C. with NOAA. Anderson is now an IMS research faculty member and a lecturer in the Department of Ocean Sciences at UC Santa Cruz.

PRESENTATION TITLE

The 2015 West Coast Harmful Algal Bloom in California: What we've learned and how to mitigate impacts on fisheries in the future

PRESENTATION TOPICS

- The massive harmful algal bloom in 2015 and its association with ocean warming
- Domoic acid in the food web and why the bloom was so unusual
- Why domoic acid persists in some species for many months
- What we might expect from El Niño 2016
- Future mitigation and fisheries interests