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Professional Preparation

B.S., 1982, Berry College, Mt. Berry, GA (Chemistry)
M.S., 1986, University of Kansas, Lawrence, KS (Bioorganic Chemistry)
Ph.D., 1992, Oregon State University, Corvallis, OR (Chemical Oceanography)
Post Doc. University of Southern California

Appointments

Oceanographer, University of Washington, 2009-present
Oceanographer, Genwest Systems, 2007-2009
Oceanographer, University of Washington, 1993-2007

Five Relevant Publications

Stabeno, P., C. Ladd, K. Martini, and C. Mordy (2015): Flow patterns in the eastern Chukchi Sea: 2010–2014. *J. Geophys. Res.* [In preparation]
Ladd, C., P. Stabeno, C. Mordy, and S. Salo (2015): Winter water properties and the Chukchi polynya. *J. Geophys. Res.* [Submitted]
Martini, K.I., P.J. Stabeno, C. Ladd, P. Winsor, T. Weingartner, C.W. Mordy, and L. Eisner (2016): Dependence of subsurface chlorophyll on seasonal water masses in the Chukchi Sea. *J. Geophys. Res.* [Accepted]
Danielson, S.L., L. Eisner, C. Ladd, C. Mordy, L. Sousa, and T.J. Weingartner (2015): A comparison between late summer 2012 and 2013 water masses, macronutrients, and phytoplankton standing crops in the northern Bering and Chukchi seas. *Deep-Sea Res. II.* [Accepted]
Naik, P., M. Wang, E.J. D'Sa, and C.W. Mordy (2015): Bering Sea optical and biological properties from MODIS. *Remote Sens. Environ.*, 163, 240–252.
Stabeno, P.J., E. Farley, N. Kachel, S. Moore, C. Mordy, J.M. Napp, J.E. Overland, A.I. Pinchuk, and M.F. Sigler (2012): A comparison of the physics of the northern and southern shelves of the eastern Bering Sea and some implications for the ecosystem. *Deep-Sea Res. II*, 65–70, 14–30.

Five Other Publications

Mordy, C.W., A. Devol, L. Eisner, N.B. Kachel, M. Lomas, R. Sambrotto, D.H. Shull, and P.J. Stabeno (2016): Dissolved Nitrogen and Phytoplankton Growth Across the Middle and Inner Shelf of the Eastern Bering Sea. *J. Geophys. Res.* [In Preparation].
Mordy, C.W., P.J. Stabeno, N.B. Kachel, D. Kachel, C. Ladd, M. Zimmerman, and M. Doyle (2016): Importance of canyons to the northern Gulf of Alaska ecosystem. *Deep-Sea Res. II.* [Submitted]
Mordy, C.W., E.D. Cokelet, C. Ladd, F.A. Menzia, P. Proctor, P.J. Stabeno, and E. Wisegarver (2012): Net community production on the middle shelf of the Eastern Bering Sea. *Deep-Sea Res. II*, 65-70, 110–125.
Mordy, C.W., L. Eisner, P. Proctor, P.J. Stabeno, A. Devol, D.H. Shull, J.M. Napp, and T. Whitlege (2010): Temporary uncoupling of the marine nitrogen cycle: Accumulation of nitrite on the Bering Sea Shelf. *Mar. Chem.*, 121, 157–166
Sullivan, M.E., N.B. Kachel, C.W. Mordy, S.A. Salo, and P.J. Stabeno (2014): Sea ice and water column structure on the eastern Bering sea shelf. *Deep-Sea Res. II*, 109, 39–56.

Synergistic Activities

- 1) Collaborative Efforts: Co-PI on a new RUSALCA program (2014-2020) that will examine physics and biology in the southern Chukchi Sea (including Russian waters). Co-PI on a new program to develop innovative sensors and platforms for arctic exploration (ITAE). Co-PI on several other BOEM programs in the arctic (ARCWEST, CHAOZ, CHAOZ-X).
- 2) Leader of a team of 2-3 chemists who participate on about 4-6 cruises per year to collect hydrographic data (nutrients, oxygen, & chlorophyll) and deploy moored nutrient sensors. In addition, we receive frozen samples for laboratory analysis from a number of collaborative efforts.
- 3) As a lead nutrient chemist in the GO-SHIP CLIVAR hydrographic program (with Scripps and NOAA/AOML), we continue to build one of the largest deep-water global nutrient data sets in the world.
- 4) Undergraduate interns have assisted in the collection and dissemination of nutrient, oxygen, and chlorophyll data.

Collaborators and Affiliations

Anna Aguilar-Islas, University of Alaska

Kerim Aydin, NOAA / AFSC

Nick Bates, Bermuda Institute of Ocean Sciences

Nicholas A. Bond, University of Washington

Edward D. Cokelet, NOAA / PMEL

Ken Coyle, University of Alaska, Fairbanks

Jessica Cross, University of Alaska

Allan H. Devol, University of Washington

Lisa Eisner, NOAA / AFSC

Richard Feely, NOAA/PMEL

Julie Granger, University of Connecticut

Georgina Gibson, U. Alaska, Fairbanks

Albert J. Hermann, U. Washington

George Hunt, University of Washington

Nancy Kachel, University of Washington

Carol Ladd, University of Washington

Mike Lomas, Bermuda Institute of Ocean Sciences

Jeremy Mathis, University of Alaska

Brad Moran, University of Rhode Island

Jeffery Napp, NOAA / AFSC

J. E. Overland, NOAA / PMEL

Alexi Pinchuk, UAF, Fairbanks

Maria Prokopenko, University of Southern California

Peter Proctor, University of Washington

Rob Rember, University of Alaska

Patrick Ressler, NOAA / AFSC

Sigrid A. Salo, NOAA / PMEL

Ray Sambrotto, Columbia University

David Shull, Western Washington

University

Daniel Sigman, Princeton University

Rolf Sonnerup, University of Washington

Phyllis J. Stabeno, NOAA / PMEL

Diane Stoecker, University of Maryland

Suzanne Strom, Western Washington

University

Terry E. Whitledge, University of Alaska

Fairbanks

Thesis Advisor : David Carlson, WCRP
Director

Postdoctoral Advisor: Cornelius Sullivan,
USC

Graduate Students Advised: None