

RICHARD A. FEELY – BIOGRAPHICAL SKETCH

A. PROFESSIONAL PREPARATION

University of St. Thomas	Chemistry	BA 1969
Texas A&M University	Oceanography	MS 1971
Texas A&M University	Oceanography	PhD 1974

B. APPOINTMENTS

2008-present	Senior Fellow	National Oceanic and Atmospheric Administration, Pacific Marine Environmental Laboratory
1984-2008	Supervisory Oceanographer	National Oceanic and Atmospheric Administration, Pacific Marine Environmental Laboratory
2002-present	Affiliate Full Professor	Univ. of Washington
1986-2002	Affiliate Associate Professor	Univ. of Washington
1974-1985	Affiliate Assistant Professor	Univ. of Washington
1974-1984	Oceanographer	National Oceanic and Atmospheric Administration, Pacific Marine Environmental Laboratory
1973-1974	Research Associate	Texas A&M University
1969-1973	Research Assistant	Texas A&M University

C. 5 publications most closely related to proposal

- Byrne, R.H., S. Mecking, R.A. Feely, and X. Liu (2010): Direct observations of basin-wide acidification of the North Pacific Ocean. *Geophys. Res. Lett.*, 37, L02601, <http://dx.doi.org/10.1029/2009GL040999>
- Feely, R.A., S.R. Alin, J. Newton, C.L. Sabine, M. Warner, C. Krembs, and C. Maloy (2010): The combined effects of ocean acidification, mixing, and respiration on pH and carbonate saturation in an urbanized estuary. *Estuar. Coast. Shelf Sci.*, 88, 442–449.
- Feely, R.A., V.J. Fabry, A. Dickson, J.-P. Gattuso, J. Bijma, U. Riebesell, S. Doney, C. Turley, T. Saino, K. Lee, K. Anthony, and J. Kleypas (2010): [An international observational network for ocean acidification](#). In Proceedings of the "OceanObs'09: Sustained Ocean Observations and Information for Society" Conference (Vol. 2), Venice, Italy, 21–25 September 2009, Hall, J., D.E. Harrison, and D. Stammer, Eds., ESA Publication WPP-306, <http://dx.doi.org/10.5270/OceanObs09.cwp.29>
- Doney, S.C., V.J. Fabry, R.A. Feely, and J.A. Kleypas (2009): [Ocean acidification: The other CO₂ problem](#). *Annu. Rev. Mar. Sci.*, 1, 169–192. <http://dx.doi.org/10.1146/annurev.marine.010908.163834>.
- Feely, R.A., S.C. Doney, and S.R. Cooley (2009): Ocean acidification: Present conditions and future changes in a high-CO₂ world. *Oceanography*, 22(4), 36–47. <http://dx.doi.org/10.5670/oceanog.2009.93>.

5 Other significant publications

- Feely, R.A., C.L. Sabine, J.M. Hernandez-Ayon, D. Ianson, and B. Hales (2008): Evidence for upwelling of corrosive "ocean acidified" water onto the west coast of North America. *Science* 320, 1490, <http://dx.doi.org/10.1126/science.1155676>.

Fabry, V.J., B.A. Seibel, R.A. Feely, and J.C. Orr (2008): Impacts of ocean acidification on marine fauna and ecosystem processes. *ICES J. Mar. Sci.*, 65(3), 414–432, <http://dx.doi.org/10.1093/icesjms/fsn048>.
Feely, R.A., C.L. Sabine, K. Lee, F.J. Millero, M.F. Lamb, D. Greeley, J.L. Bullister, R.M. Key, T.-H. Peng, A. Kozyr, T. Ono, C.S. Wong (2002), In situ calcium carbonate dissolution in the Pacific Ocean. *Global Biogeochem. Cycles* 16(1144), <http://dx.doi.org/10.1029/2002GB001866>.
Feely, R.A., C.L. Sabine, K. Lee, W. Berelson, J. Kleypas, et al. (2004), Impact of anthropogenic CO₂ on the CaCO₃ system in the oceans, *Science*, 305, 362-366. <http://dx.doi.org/10.1126/science.1097329>

D. SYNERGISTIC ACTIVITIES

- NOAA West Coast Ocean Acidification Task Force (2010-present)
- IPCC AR5 Working Group I (2010-present)
- U.S. Interagency Working Group on Ocean Acidification (2009–present)
- International IMBER-SOLAS Ocean Acidification Group (2009 –present)
- U.S. Carbon and Biogeochemistry Steering Committee (2006–present)

E. COLLABORATORS AND CO-EDITORS

Simone Alin (PMEL): Robert Bryne (U. South Florida); Sarah Cooley (WHOI); Andrew Dickson (SIO); Scott Doney (WHOI); Steve Emerson (U. Washington); Victoria Fabry (California State U.); Andrew Fassbender (U. of Washington); Burke Hales (Oregon State U.); Debby Ianson (Fisheries and Oceans, Canada); Lauren Juranek (OAR/PMEL); R. Key (Princeton U.); Joan Kleypas (NCAR); C. Sabine (PMEL); Katherine Shamberger (WHOI); Taro Takahashi (LDEO); Rik Wanninkhof (NOAA/AOML)

Graduate Advisors and Postdoctoral Sponsors

Dr. William M. Sackett (TAMU)

Dr. Bobby J. Presley (TAMU)

Graduate Thesis Advisor (total 3)

Shamberger, Katherine, Ph.D. UW, 2011 (WHOI)

Fassbender, Andrea, M.S. UW, 2011 (UW)

Williams, Nancy, (UW)

Postdoctoral-scholar Sponsor (total 2)

Juranek, Lauren, NRC 2009-2010

Sutton, Adrienne, NRC 2010-2011