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### **(1) Professional Preparation**

1987 M.S. Degree , Natural Resources, Humboldt State University, Arcata, CA  
1993 Ph.D. Degree , Geology & Geophysics, U. of Hawaii, Manoa, Honolulu, HI

### **(2) Appointments**

2009-present	Associate Research Oceanographer Integrative Oceanography Division, Scripps Institution of Oceanography
2007-2008	Associate Project Scientist Integrative Oceanography Division, Scripps Institution of Oceanography
2000-2006	Assistant Project Scientist Integrative Oceanography Division, Scripps Institution of Oceanography
1997-1999	Postdoctoral Researcher Center for Coastal Studies, Scripps Institution of Oceanography
1995-1996	NRC Research Associate NOAA/Southwest Fisheries Science Center, La Jolla, CA
1994-1995	Postdoctoral Researcher Dep't. of Geology & Geophysics, U. of Hawaii, Manoa, Honolulu, HI
1987-1993	Research Assistant Dep't. of Geology & Geophysics, U. of Hawaii, Manoa, Honolulu, HI

### **(3) Selected Publications**

#### **(i) *Oceanographic***

- Graham, N.E., D.R. Cayan, P.D. Bromirski, and R.E. Flick (2012). Multi-model projections of 21<sup>st</sup> century North Pacific winter wave climate under IPCC A2 scenario, *Clim. Dyn.*, in press.
- Parris, A., J. Obeysekera, V. Burkett, J. Hall, K. Knuuti, R. Horton, J. Weiss, D. Cayan, A. Sallenger, B. Brooks, P. Bromirski, and M. Culver (2012). National Climate Assessment - Sea Level Change Scenario. A report prepared for the Scenarios Working Group of the National Climate Assessment Development and Advisory Committee. 38 pages.
- Bromirski, P. D., A. J. Miller, and R. E. Flick (2012). Understanding North Pacific sea level trends, *Eos Trans. AGU*, **93**(27), 249, doi:10.1029/2012EO270001.
- Bromirski, P. D., D. R. Cayan, N. Graham, R. E. Flick, and M. Tyree (2012). *Coastal Flooding-Potential Projections: 2000–2100*. Scripps Institution of Oceanography, California Energy Commission, Publication number: CEC-500-2011-011, 54pp.
- Bromirski, P.D. and R.A. Stephen (2012). Response of the Ross Ice Shelf to gravity wave forcing, *Ann. Glaciol.*, **53**(60), doi:10.3189/2012AoG60A058.
- Bromirski, P.D., A.J. Miller, R.E. Flick, and G. Auad (2011). Dynamical suppression of sea level rise along the Pacific coast of North America: Indications for imminent acceleration, *J.*

- Geophys. Res. – Oceans*, **116**, C07005, doi:10.1029/2010JC006759.
- Chadwick, D.B, R. Flick, J. Helly, T. Nishikawa, P.F. Wang, W. O'Reilly, R. Guza, P. Bromirski, A. Young, W. Crampton, B. Wild, and I. Canner (2011). A Framework for Sea Level Rise Vulnerability Assessment for Southwest U.S. Military Installations, Proc. Oceans 2011, Kona, Hawaii, 110426-001.
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- Bromirski, P.D. and J.P. Kossin, (2008). Increasing hurricane wave power along the U.S. Atlantic and Gulf Coasts, *J. Geophys. Res. – Oceans*, **113**, C07012, doi:10.1029/2007JC004706.
- Bromirski, P.D. and R.E. Flick (2008). Storm surge in the San Francisco Bay/Delta and nearby coastal locations, *Shore & Beach*, **76**(3), 29-37.
- Kendall, T.R., L. Dean, O.T. Magoon, L.A. Dengler, R.E. Flick, P.D. Bromirski (2008). High resolution analysis of the 1960 Chilean tsunami at Crescent City, California, in *Proceedings of Solutions to Coastal Disasters, 2008: Tsunamis*, Wallendorf, Ewing, Jones, and Jaffe, Eds., ASCE, Reston, VA, 169-177.
- Levinson, D. and P.D. Bromirski (2008). Strong extratropical cyclones, in *Weather and Climate Extremes in a Changing Climate. Regions of Focus: North America, Hawaii, Caribbean, and U.S. Pacific Islands*. A Report by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research. [T.R. Karl, G.A. Meehl, C.D. Miller, S.J. Hassol, A.M. Wapple, and W.L. Murray (eds.)], Department of Commerce, NOAA's National Climate Data Center, Washington, D.C., USA, *Chapter 2.3.3.2*, 62-69.
- Komar, P. and P.D. Bromirski (2008). The waves of extratropical storms and hurricanes, in *Weather and Climate Extremes in a Changing Climate. Regions of Focus: North America, Hawaii, Caribbean, and U.S. Pacific Islands*. A Report by the U.S. Climate Change Science Program and the Subcommittee on Global Change Research. [T.R. Karl, G.A. Meehl, C.D. Miller, S.J. Hassol, A.M. Wapple, and W.L. Murray (eds.)], Department of Commerce, NOAA's National Climate Data Center, Washington, D.C., USA, *Chapter 2.2.3.3*, 69-73.
- Cayan, D.R., P.D. Bromirski, K. Hayhoe, M. Tyree, M. Dettinger, and R.E. Flick (2008). Climate change projections of sea level extremes along the California coast, *Climatic Change*, doi 10.1007/s10584-007-9376-7.
- Levinson, D. and P.D. Bromirski (2007). Extratropical cyclones in a warming climate: Observational evidence of trends in frequencies and intensities in the North Pacific, North Atlantic, and Great Lakes regions, in *10<sup>th</sup> International Workshop on Wave Hindcasting and Forecasting & Coastal Hazard Symposium, Proceedings*, Oahu, HI, 6pp.
- Cayan, D.R., P.D. Bromirski, K. Hayhoe, M. Tyree, M. Dettinger, and R.E. Flick (2006). Projecting Future Sea Level, California Climate Change Center, Scripps Institution of Oceanography, La Jolla, CA, publication #CEC-500-2005-202-SF, [http://www.climatechange.ca.gov/climate\\_action\\_team/reports/index.html](http://www.climatechange.ca.gov/climate_action_team/reports/index.html), 53pp.
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- Bromirski, P.D., R.E. Flick, and D.R. Cayan (2003). Storminess variability along the California coast: 1858 - 2000, *J. Climate*, **16**(6), 982-993.
- Bromirski, P.D., R.E. Flick, and N. Graham (1999). Ocean wave height determined from inland seismometer data: Implications for investigating wave climate changes in the NE Pacific, *J. Geophys. Res - Oceans.*, **104**(C20), 20,753 - 20,766.

## (ii) *Geophysical*

- Zhang, J., P. Gerstoft, and P.D. Bromirski (2010). Pelagic and coastal sources of P-wave microseisms: Generation under tropical cyclones, *Geophys. Res. Lett.*, **37**, LXXXXX, doi:10.1029/2010GL044288, 2010.
- Aster, R. C., D. E. McNamara, and P. D. Bromirski (2010), Global trends in extremal microseism intensity, *Geophys. Res. Lett.*, **37**, L14303, doi:10.1029/2010GL043472.
- Bromirski, P.D. and P. Gerstoft (2009). Dominant source regions of the Earth's hum are coastal, *Geophys. Res. Lett.*, **36**, L13303, doi:10.1029/2009GL038903.
- Bromirski, P.D. (2009). Earth vibrations, *Science*, **324**, 1026-1027.
- Traer, J., P. Gerstoft, P.D. Bromirski, W.S. Hodgkiss, and L.A. Brooks (2009). Shallow-water seismo-acoustic noise generated by tropical storms Ernesto and Florence, *J. Acoust. Soc. Am., Elec. Lett.*, DOI: 10.1121/1.2968296.
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