

Publications acknowledging NANOOS support

Last update: June 2019

Note: This list will be updated twice a year in January and July.

2019

Antolinez, J.A.A., Mendez, F., Anderson, D., Ruggiero, P., and G. Kaminsky, 2019. Predicting climate driven coastlines with an efficient simple multi-scale model, Submitted to: Journal of Geophysical Research: Earth Surface Processes, <https://doi.org/10.1029/2018JF004790>.

Barth, J. A., S. E. Allen, E. P. Dever, R. K. Dewey, W. Evans, R. A. Feely, J. Fisher, J. P. Fram, B. Hales, D. Ianson, J. Jackson, K. Juniper, O. Kawka, D. Kelly, J. M. Klymak, J. Konovsky, P. M. Kosro, A. Kurapov, E. Mayorga, P. McCreedy, J. Newton, R. I. Perry, C. M. Risien, M. Robert, T. Ross, R. K. Shearman, J. Schumacker, S. Siedlecki, V. L. Trainer, S. Waterman, and C. E. Wingard, 2019. Better regional ocean observing through cross-nation cooperation: A case study from the Northeast Pacific. *Frontiers in Marine Science*, 6:93, <https://doi.org/10.3389/fmars.2019.00093>.

Cohn, N., Hoonhout, B. Goldstein, E., de Vries, S. Moore, L., Duran, O.V., and Ruggiero, P., 2019. Exploring marine and aeolian controls on coastal foredune growth using a coupled numerical model, *Journal of Marine Science and Engineering*, *J. Mar. Sci. Eng.* 7(1), 13; <https://doi.org/10.3390/jmse7010013>.

Cohn, N., Ruggiero, P., Garcia-Medina, G., Anderson, D., Serafin, K., and Biel, R., 2019. Environmental and Morphologic Controls on Wave Induced Dune Response, *Geomorphology*, 329, 108-128, <https://doi.org/10.1016/j.geomorph.2018.12.023>.

Haller, M.C., D.A. Honegger, R. Pittman, A. O’Dea, and A. Simpson, “Real-Time Marine Radar Observations of Nearshore Waves and Flow Structures from Shore-based Towers”, *Proceedings of IEEE/OES Currents, Waves, Turbulence Measurement and Applications*, San Diego, CA, 2019.

Honegger, D.A., M.C. Haller, and R.A. Holman, High-resolution bathymetry estimates via X-band marine radar: 1. Beaches, *Coastal Engineering*, 149, 39-48, 2019.

Honegger, D.A., M.C. Haller, and R.A. Holman, High-resolution bathymetry estimates via X-band marine radar: 2. Tidal inlets and river mouths, revision requested *Coastal Engineering*, March 2019.

Pasmans, I., A. L. Kurapov, J. A. Barth, A. Ignatov, P. M. Kosro, and R. K. Shearman, 2019a: Why Gliders Appreciate Good Company: Glider assimilation in the Oregon-Washington coastal ocean 4DVAR system with and without surface observations, *J. Geophys. Res.*, <https://doi.org/10.1029/2018JC014230>.

Pasmans, I. and A. L. Kurapov, 2019b: Ensemble 4DVAR (En4DVar) Data Assimilation in a Coastal Ocean Circulation Model. Part I: formulation and ensemble statistics, submitted to *Oce Mod.*

Serafin, K., Ruggiero, P., Barnard, P., and Stockdon, H., 2019. Linking large-scale changes of the future wave climate to local coastal hazards: The influence of shelf bathymetry and beach topography on extreme total water levels, *Coastal Engineering*, 150, <https://doi.org/10.1016/j.coastaleng.2019.03.012>.

Stevens, A.W., Weiner, H.M., Ruggiero, P.R., Kaminsky, G.M., and Gelfenbaum G.R., 2019. Beach topography and nearshore bathymetry of the Columbia River littoral cell, Washington and Oregon: U.S. Geological Survey data release, <https://doi.org/10.5066/P9W15JX8>

2018

Allan, J.C., Gabel, L., and O'Brien, F. 2018. Beach and shoreline dynamics in the Cannon Beach littoral cell: Implications for dune management. Oregon Department of Geology and Mineral Industries, Special Paper 49, 123 p.

Cohn, N., Ruggiero, P., de Vries, Sierd, and Kaminsky, G. 2018. Sediment exchanges between the nearshore, beach, and dune: Insights from field observations at time scales of days to decades. *Geophysical Research Letters*, <https://doi.org/10.1029/2018GL077836>.

Diez, J. Cohn, N., Kaminsky, G., Medina, R., and Ruggiero, P., 2018. Spatial and temporal variability of dissipative dry beach profiles in the Pacific Northwest, U.S.A., *Journal of Coastal Research*. 34(3), 510–523, <https://doi.org/10.2112/jcoastres-d-17-00149.1>

Fassbender, A. J., Alin, S. R., Feely, R. A., Sutton, A. J., Newton, J. A., Krembs, C., Bos, J., Keyzers, M., Devol, A., Ruef, W., and Pelletier, G. 2018. Seasonal Carbonate Chemistry Variability in Marine Surface Waters of the Pacific Northwest. *Earth Syst. Sci. Data Discuss.*, <https://doi.org/10.5194/essd-2017-138>.

Hamann, M., Alford, M. H., & Mickett, J. B. 2018. Generation and propagation of nonlinear internal waves in sheared currents over the Washington continental shelf. *Journal of Geophysical Research: Oceans*, 123, 2381-2400. <https://doi.org/10.1002/2017JC013388>.

Soh, H.S., S.Y. Kim, Kosro, P.M. and Kurapov, A.L. 2018: Do Nonorthogonally and Irregularly Sampled Scalar Velocities Contain Sufficient Information to Reconstruct an Orthogonal Vector Current Field? *J. Atmos. Oceanic Technol.*, 35(4), 763–795, <https://doi.org/10.1175/JTECH-D-17-0062.1>

Vallaey V., Kärnä, T., Delandmeter, Lambrechts, P., Baptista, A.M., Deleersnijder, E. and Hanerte, E. 2018. Modeling the coupled estuary-plume dynamics in the Columbia River. *Ocean Modelling*. <https://doi.org/10.1016/j.ocemod.2018.02.004>

2017

Barnard, P., Hoover, D., Hubbard, D., Snyder, A., Ludka, B., Gallien, T., Allan, J., Kaminsky, G., Ruggiero, P., Gallien T., Gabel, L., McCandless, D., Weiner, H.M., Cohn, N., Anderson, D., Serafin, K., 2017. Historically significant oceanographic forcing and coastal response due to the 2015-2016 El Niño. *Nature Communications*, DOI: 10.1038/ncomms14365.

Gosselin, J.L., R.W. Zabel, J.J. Anderson, J.R. Faulkner, A.M. Baptista and B.P. Sandford. 2017. Conservation planning for freshwater-marine carryover effects on Chinook salmon survival. *Ecology and Evolution*. <https://doi.org/10.1002/ece3.3663>

Herfort L., B. C. Crump, C. S. Fortunato, L. A. McCue, V. Campbell, H. M. Simon, A. M. Baptista, P. Zuber. 2017. Factors affecting the bacterial community composition and heterotrophic production of Columbia River estuarine turbidity maxima. *Microbiology Open*. 10.1002/mbo3.522

Honegger, D.A, M.C. Haller, W.R. Geyer, and G. Farquharson, Oblique internal hydraulic jumps at a stratified estuary mouth, *J. Phys. Oceanography*, 47, 85-100, doi:10.1175/JPO-D-15-0234.1, 2017.

Kurapov, A.L., S. Y. Erofeeva, and E. Myers, 2017: Coastal sea level variability in the US West Coast Ocean Forecast System (WCOFS), *Ocean Dynamics*, 67: 23. doi:10.1007/s10236-016-1013-4

Kurapov, A. L., N. A. Pelland, and D. L. Rudnick (2017), Seasonal and interannual variability in along-slope oceanic properties off the US West Coast: Inferences from a high-resolution regional model, *J. Geophys. Res. Oceans*, 122, 5237–5259, doi:10.1002/2017JC012721.

Lopez J.E. 2017. Sediment dynamics in an energetic estuary. Division of Environmental & Biomolecular Systems. Doctor of Philosophy (Advisor: A.M. Baptista).

Lopez J. and A.M. Baptista. 2017. Benchmarking an unstructured grid sediment model in an energetic estuary. *Ocean Modelling*, 110:32–48. 10.1016/j.ocemod.2016.12.006

Pasmans, I. and A.L. Kurapov, 2017: A Monte Carlo Background Covariance Localization Method for an Ensemble–Variational Assimilation System. *Mon. Wea. Rev.*, **145**, 4543–4557, <https://doi.org/10.1175/MWR-D-16-0424.1>

Pool, S., C. Krembs, J. Bos, and B. Sackmann. 2017. Victoria Clipper observations and Noctiluca blooms. In: S. K. Moore, R. Wold, K. Stark, J. Bos, P. Williams, N. Hamel, C. Krembs, and J. Newton (eds), Puget Sound marine waters: 2016 overview. NOAA Northwest Fisheries Science Center for the Puget Sound Ecosystem Monitoring Program’s Marine Waters Workgroup. 56 pp.

Rostaminia M. 2017. Change in variability in the Columbia River estuary: a habitat perspective. Division of Environmental & Biomolecular Systems. Doctor of Philosophy (Advisor: A.M. Baptista)

Ruggiero, P., S. Hacker, E. Seabloom, and P. Zarnetske. 2017. The role of vegetation in determining dune morphology, exposure to sea level rise, and storm-induced coastal hazards: A U.S. Pacific Northwest perspective, in *Barrier dynamics and the impact of climate change on barrier evolution*, Moore and Murray Eds, Springer.

Washington State Department of Ecology. 2017. Eyes Over Puget Sound, Surface Conditions Report, October 31, 2017. Ecology Publication No. 17-03-073. http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2017_10_31.pdf.

Wilkin J., L. Rosenfeld, A. Allen, R. Baltes, A.M. Baptista, R. He, P. Hogan, A. Kurapov, A. Mehra, J. Quintrell, D. Schwab, R. Signell and J. Smith. 2017. Advancing coastal ocean modeling, analysis, and prediction for the U.S. Integrated Ocean Observing System. *Journal of Operational Oceanography*, 1-12. 10.1080/1755876X.2017.1322026

Yoo, J. G., Kim, S. Y., Bruce, D., Cornuelle, P., Kosro, M., & Kurapov, A. 2017. A Noninterpolated Estimate of Horizontal Spatial Covariance from Nonorthogonally and Irregularly Sampled Scalar Velocities. *J. Atmos. Oceanic Technol.*, 34(11), 2407–2430. <http://doi.org/10.1175/JTECH-D-17-0100.1>

2016

Chan, F., Boehm, A.B., Barth, J.A., Chornesky, E.A., Dickson, A.G., Feely, R.A., Hales, B., Hill, T.M., Hofmann, G., Ianson, D., Klinger, T., Largier, J., Newton, J., Pedersen, T.F., Somero, G.N., Sutula, M., Wakefield, W.W., Waldbusser, G.G., Weisberg, S.B., and Whiteman, E.A. The West Coast Ocean Acidification and Hypoxia Science Panel: Major Findings, Recommendations, and Actions. California Ocean Science Trust, Oakland, California, USA. April 2016.
<http://westcoastoah.org/wp-content/uploads/2016/04/OAH-Panel-Key-Findings-Recommendations-and-Actions-4.4.16-FINAL.pdf>

Cohn, N. and P. Ruggiero, 2016. The influence of seasonal to interannual nearshore profile variability on extreme water levels: Modeling wave runup on dissipative beaches. *Coastal Engineering*. <http://dx.doi.org/10.1016/j.coastaleng.2016.01.006>

Herfort, L., C. Seaton, M. Wilkin, K. Seitz, J. Lopez, M. Smith, V. Haynes, A. M. Baptista and H. M. Simon (2016). Use of continuous, real-time observations and model simulations to achieve autonomous, adaptive sampling of microbial processes with a robotic sampler. *Limnology & Oceanography: Methods*. 14(1):50–67. 10.1002/lom3.10069.

Hickey, B., S. Geier, N. Kachel, S. Ramp, P. M. Kosro, and T. Connolly (2016). Alongcoast structure and interannual variability of seasonal midshelf water properties and velocity in the Northern California Current System, *J. Geophys. Res. Oceans*, 121, 7408–7430, doi:10.1002/2015JC011424.

Horsburgh, J.S., A.K. Aufdenkampe, E. Mayorga, K.A. Lehnert, L. Hsu, L. Song, A.S. Jones, S.G. Damiano, D.G. Tarboton, D. Valentine, I. Zaslavsky & T. Whitenack, Observations Data Model 2: A community information model for spatially discrete Earth observations. *Environmental Modelling & Software* 79: 55-74, doi:10.1016/j.envsoft.2016.01.010.

Kaminsky, G., B. von Twistern, M. Brissette, J. Beaudoin, H. Weiner, and A. Hacking, 2016. Dual-head Mapping. *xyHt*, 3(8):16-23.

Kärnä, T. and A. M. Baptista (2016a). Water age in the Columbia River estuary. *Estuarine, Coastal and Shelf Science*, 183(A):249-259. 10.1016/j.ecss.2016.09.001

Kärnä, T. and A. M. Baptista (2016b). Evaluation of a long-term hindcast simulation for the Columbia River estuary. *Ocean Modelling*, 99:1-14. 10.1016/j.ocemod.2015.12.007

Moore, L., O. Duran, P. Ruggiero, 2016. Vegetation control allows autocyclic formation of multiple dunes on prograding coasts. *Geology*, doi:10.1130/G37778.1.

Newton, J., Hill, T.M., Feely, R.A., Barth, J.A., Boehm, A.B., Chan, F., Chornesky, E.A., Dickson, A.G., Hales, B., Hofmann, G., Ianson, D., Klinger, T., Largier, J., Pedersen, T.F., Somero, G.N., Sutula, M., Wakefield, W.W., Waldbusser, G.G., Weisberg, S.B., and Whiteman, E.A. Ocean Acidification and Hypoxia Monitoring Network: Tracking the Impacts of Changing Ocean Chemistry to Inform Decisions. California Ocean Science Trust, Oakland, California, USA. April 2016.

<http://westcoastcoah.org/wp-content/uploads/2016/02/OAH-Panel-Monitoring-Network-4.1.16-FINAL.pdf>

Raposa, K., K. Wasson, E. Smith, J. Crooks, P. Delgado, S. Fernald, M. Ferner, A. Helms, L. Hice, J. Mora, B. Puckett, D. Sanger, S. Shull, L. Spurrier, R. Stevens, S. Lerberg. 2016. Assessing tidal marsh resilience to sea-level rise at broad geographic scales with multi-metric indices. *Biological Conservation*, 204, Part B, 263-275. <https://doi.org/10.1016/j.biocon.2016.10.015>

Ruggiero, P., G. Kaminsky, G. Gelfenbaum, N. Cohn, 2016. Morphodynamics of prograding beaches: A synthesis of seasonal- to century-scale observations of the Columbia River littoral cell. *Marine Geology*, 376, 51-68, [10.1016/j.margeo.2016.03.012](https://doi.org/10.1016/j.margeo.2016.03.012).

Saldias, G. S., R. K. Shearman, J. A. Barth, and N. Tuffillaro, 2016. Optics of the offshore Columbia River plume from glider observations and satellite imagery. *J. Geophys. Res.*, [10.1002/2015JC011431](https://doi.org/10.1002/2015JC011431).

Sherman, Kate, Andy Lanier, John A. Barth, Flaxen Conway, Craig Risien, P. Michael Kosro (2016). The Oregon Nearshore Research Inventory project: the importance of science and the scientific community as stakeholders in marine spatial planning. *Ocean & Coastal Management*, 130, Oct 2016. 290-298, doi: [10.1016/j.ocecoaman.2016.04.003](https://doi.org/10.1016/j.ocecoaman.2016.04.003).

Washington State Department of Ecology. 2016a. Eyes Over Puget Sound, Surface Conditions Report, February 8, 2016. Ecology Publication No. 16-03-070.

<https://fortress.wa.gov/ecy/publications/documents/1603070.pdf>

Washington State Department of Ecology. 2016b. Eyes Over Puget Sound, Surface Conditions Report, March 16, 2016. Ecology Publication No. 16-03-071.

<https://fortress.wa.gov/ecy/publications/documents/1603071.pdf>

Washington State Department of Ecology. 2016c. Eyes Over Puget Sound, Surface Conditions Report, April 6, 2016. Ecology Publication No. 16-03-072.

<https://fortress.wa.gov/ecy/publications/documents/1603071.pdf>

Washington State Department of Ecology. 2016d. Eyes Over Puget Sound, Surface Conditions Report, May 2, 2016. Ecology Publication No. 16-03-073.

http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2016_05_02.pdf

Washington State Department of Ecology. 2016e. Eyes Over Puget Sound, Surface Conditions Report, June 27, 2016. Ecology Publication No. 16-03-074.

<https://fortress.wa.gov/ecy/publications/documents/1603074.pdf>

Washington State Department of Ecology. 2016f. Eyes Over Puget Sound, Surface Conditions Report, July 20, 2016. Ecology Publication No. 16-03-075.

<https://fortress.wa.gov/ecy/publications/documents/1603075.pdf>

Washington State Department of Ecology. 2016g. Eyes Over Puget Sound, Surface Conditions Report, August 24, 2016. Ecology Publication No. 16-03-076.

<https://fortress.wa.gov/ecy/publications/documents/1603076.pdf>

Washington State Department of Ecology. 2016h. Eyes Over Puget Sound, Surface Conditions Report, September 26, 2016. Ecology Publication No. 16-03-077.

<https://fortress.wa.gov/ecy/publications/documents/1603077.pdf>

Washington State Department of Ecology. 2016i. Eyes Over Puget Sound, Surface Conditions Report, November 22, 2016. Ecology Publication No. 16-03-078.

<https://fortress.wa.gov/ecy/publications/documents/1603078.pdf>

2015

Alin, S., R. Brainard, N. Price, J. Newton, A. Cohen, W. Peterson, E. DeCarlo, E. Shadwick, S. Noakes, N. Bednaršek, 2015. Characterizing the Natural System: Toward Sustained, Integrated Coastal Ocean Acidification Observing Networks to Facilitate Resource Management and Decision Support. *Oceanography*, 28(2):92–107. <http://dx.doi.org/10.5670/oceanog.2015.34>

Allan, J.C., P. Ruggiero, N. Cohn, G. Garcia, F. O'Brien, L. Stimely, and J. Roberts, 2015. Coastal Flood Insurance Study, Lincoln County, Oregon. Oregon Department of Geology and Mineral Industries Open-File Report.

Allan, J.C., P. Ruggiero, N. Cohn, G. Garcia, F. O'Brien, K.A. Serafin, L. Stimely, and J.T. Roberts, 2015. Coastal Flood Hazard Study, Lincoln County, OregonRep. Open file report O-15-06, 361 pp, Oregon Department of Geology and Mineral Industries, Portland, Oregon.

Allan, J.C., P. Ruggiero, G. Garcia, F. O'Brien, L. Stimely, and J.T. Roberts, 2015. Coastal Flood Hazard Study, Tillamook County, OregonRep. Special Paper 47, 283 pp, Oregon Department of Geology and Mineral Industries, Portland, Oregon.

Allan, J.C., P. Ruggiero, N. Cohn, F. O'Brien, K.A. Serafin, J.T. Roberts, and L. Stimely, 2015. Coastal Flood Hazard Study, Curry County, OregonRep. Open file report O-05-07, 246 pp, Oregon Department of Geology and Mineral Industries, Portland, Oregon.

Allan, J.C., P. Ruggiero, G. Garcia, E.L. Harris, J.T. Roberts, and L. Stimely, 2015. Coastal Flood Hazard Study, Clatsop County, OregonRep. Open file report O-15-05, 210 pp, Oregon Department of Geology and Mineral Industries, Portland, Oregon.

Anderson, D. and P. Ruggiero, 2015. Modeling Interannual to Multi-Decadal Shoreline Rotations of Headland-Bounded Littoral Cells. *Proceedings of Coastal Sediments 2011*, ASCE, San Diego, CA.

Baptista A.M., C. Seaton, M. Wilkin, S. Riseman, J.A. Needoba, D. Maier, P.J. Turner, T. Karna, J.E. Lopez, L. Herfort, V.M. Megler, C. McNeil, B.C. Crump, T.D. Peterson, Y. Spitz, and H.M. Simon, 2015a. Infrastructure for collaborative science and societal applications in the Columbia River estuary. *Frontiers of Earth Science*, 9(4):659-682.

Barnard, P.L., A.D. Short, M.D. Harley, K.D. Splinter, S. Vitousek, I.L. Turner, J. Allan, M. Banno, K.R. Bryan, A. Doria, J.E. Hansen, S. Kato, Y. Kuriyama, E. Randall-Goodwin, P. Ruggiero, I.J. Walker, and D.K. Heathfield, 2015. Coastal vulnerability across the Pacific dominated by El Niño/Southern Oscillation. *Nature Geosciences*, doi:10.1038/ngeo2539.

Barnard, P. et al. (including P. Ruggiero and J. Allan), 2015. Coastal vulnerability across the Pacific dominated by El Niño/Southern Oscillation. *Nature Geosciences*, 10.1038/ngeo2539.

Barton, A., G. Waldbusser, R. Feely, S. Weisberg, J. Newton, B. Hales, S. Cudd, B. Eudeline, C. Langdon, I. Jefferds, T. King, A. Suhrbier, K. McLaughlin. 2015. Impacts of Coastal Acidification on the Pacific Northwest Shellfish Industry and Adaptation Strategies Implemented in Response. *Oceanography*, 28(2):146–159. <http://dx.doi.org/10.5670/oceanog.2015.388>

Cohn, N., D. Anderson, and P. Ruggiero, 2015. Observations of Intertidal Bar Welding along a High Energy Dissipative Coastline, *Proceedings of Coastal Sediments 2011*, ASCE, San Diego, CA.

Cornu, C., J. Souder, J. Schmitt, E. Larsen, C. Burch Johnson, C. Duncan, E. Wright, A. Helms, B. Yednock, D. Ivy, H. McDonald, M. Beeken, R. Rimler, J. Bragg, A. Andazola-Ramsey, B. Tanner, D. Swieca, C. Piazzola, C. Duncan, 2015. Communities, Lands, and Waterways Data Source. Partnership for Coastal Watersheds, South Slough National Estuarine Research Reserve, and Coos Watershed Association. Coos Bay, OR. 667 pp.

David A.S., P.L. Zarnetske, S.D. Hacker, P. Ruggiero, R.G. Biel, E.W. Seabloom, 2015. Invasive Congeners Differ in Successional impacts across Space and Time. *PLoS ONE* 10(2): e0117283. doi:10.1371/journal.pone.0117283.

Di Leonardo, D. and P. Ruggiero, 2015. Regional scale sandbar variability: Observations from the U.S. Pacific Northwest. *Continental Shelf Research*, 95,74–88.

Durski, S.M., A.L. Kurapov, J.S. Allen, P.M. Kosro, G.D. Egbert, R.K. Shearman, 2015. Coastal ocean variability in the U.S. Pacific Northwest region: seasonal patterns, winter circulation and the influence of the 2009-2010 El Niño. *Ocean Dynamics*, 65: 643-663, doi:10.1007/s10236-015-0891-1.

Garcia, H.E., C. Cosca, A. Kozyr, E. Mayorga, C. Chandler, R.W. Thomas, K. O'Brien, W. Appeltans, S. Hankin, J.A. Newton, A. Gutierrez, J.P. Gattuso, L. Hansson, M. Zweng, and B. Pfeil, 2015. Data management strategy to improve global use of ocean acidification data and information. *Oceanography* 28(2):226–228, doi:oceanog.2015.45.

Herfort, L., C. Seaton, M. Wilkin, B. Roman, C.M. Preston, R. Marin, K. Seitz, M.W. Smith, V. Haynes, C.A. Scholin, A.M. Baptista, and H.M. Simon, 2015. Use of continuous, real-time observations and model simulations to achieve autonomous, adaptive sampling of microbial processes with a robotic sampler. *Limnology and Oceanography: Methods*. doi:10.1002/lom3.10069.

Kärnä, T., A.M. Baptista, J.E. Lopez, P.J. Turner, C. McNeil, T.B. Sanford, 2015. Numerical modeling of circulation in high-energy estuaries: A Columbia River estuary benchmark. *Ocean Modelling*. 88:54-71.

Kim, Sung Yong, A.L. Kurapov, and P.M. Kosro, 2015. Influence of varying upper ocean stratification on coastal near-inertial currents. *Journal of Geophysical Research*, 120(12): 8504-8527, 2015JC011153

Mazzini, P.L.F., C.M. Risien, J.A. Barth, S.D. Pierce, A. Erofeev, E.P. Dever, P.M. Kosro, M.D. Levine, R.K. Shearman, M. Vardaro, 2015. Anomalous near-surface low-salinity pulses off the central Oregon coast. *Nature Scientific Reports*, 5 (17145). doi:10.1038/srep17145.

McLaughlin, K., S. Weisberg, A. Dickson, G. Hofmann, J. Newton, D. Aseltine-Neilson, A. Barton, S. Cudd, R. Feely, I. Jefferds, E. Jewett, T. King, C. Langdon, S. McAfee, D. Pleschner-Steele, B. Steele, 2015. Core Principles of the California Current Acidification Network: Linking Chemistry, Physics, and Ecological Effects. *Oceanography*, 28(2):160–169.
<http://dx.doi.org/10.5670/oceanog.2015.39>

Mickett, J., J. Newton and M. Alford, “NW Washington Coast water properties” in Puget Sound Marine Waters, 2014 Overview, S. Moore, R. Wold, K. Stark, J. Bos, P. Williams, K. Dzinbal, C. Krembs, and J. Newton, Eds., NOAA’s Northwest Fisheries Science Center for the Puget Sound Ecosystem Monitoring Program’s Marine Waters Workgroup, 2015.

Mickett, J., W. Ruef, A. Devol and J. Newton, “Puget Sound profiling buoys” in Puget Sound Marine Waters, 2014 Overview, S. Moore, R. Wold, K. Stark, J. Bos, P. Williams, K. Dzinbal, C. Krembs, and J. Newton, Eds., NOAA’s Northwest Fisheries Science Center for the Puget Sound Ecosystem Monitoring Program’s Marine Waters Workgroup, 2015.

Newton, J.A., L. Jewett and P. Williamson, 2015. New Global Ocean Acidification Observing Network Brings Multi-National Approach. *Earthzine*, OES IEEE. Published 01 June 2015 17:50.

Newton, J.A., R.A. Feely, E.B. Jewett, P. Williamson and J. Mathis. 2015. Global Ocean Acidification Observing Network: Requirements and Governance Plan. Second Edition, GOA-ON.
http://goa-on.org/docs/GOA-ON_2nd_edition_final.pdf. Published October 2015

Pool, S., C. Krembs, and J. Bos, 2015. Quality Assurance Monitoring Plan: Puget Sound Temperature, Salinity, In Situ Fluorescence, Turbidity, and Colored Dissolved Organic Matter, Marine Water Monitoring using the Victoria Clipper IV Ferry Vessel. Washington State Department of Ecology Publication No. 15-03-115. 48 pp.
<https://fortress.wa.gov/ecy/publications/documents/1503115.pdf>

Pool, S.S., C. Krembs, J. Bos, and B. Sackmann, 2015. Physical, Chemical, and Biological Conditions during Noctiluca Blooms in an Urban Fjord, Puget Sound. Poster presented at Coastal Estuarine and Research Federation 2015 Conference, Portland, Oregon. Washington State Department of Ecology Publication No. 15-03-040.
<https://fortress.wa.gov/ecy/publications/documents/1503040.pdf>

Pool, S., C. Krembs, J. Bos and B. Sackmann. “Ferry observations” in Puget Sound Marine Waters: 2015 Overview. S.K. Moore, R. Wold, K. Stark, J. Bos, P. Williams, K. Dzinbal, C. Krembs, and J. Newton, Eds., <http://www.psp.wa.gov/PSmarinewatersoverview.php>

Siedlecki, S.A., N.S. Banas, K.A. Davis, S. Giddings, B.M. Hickey, P. MacCready, T. Connolly, and S. Geier, 2015. Seasonal and interannual oxygen variability on the Washington and Oregon continental shelves. *Journal of Geophysical Research: Oceans*, 120, doi:10.1002/2014JC010254.

Snowden, D., R. Signell, F. Fernandes, V. Subramanian, K. Knee, K. Bailey and E. Mayorga, 2015. Infrastructure and tools for serving, accessing, and analyzing ocean information from the Integrated Ocean Observing System. Proc. MTS/IEEE Oceans'15.

Washington State Department of Ecology. 2015a. Eyes Over Puget Sound, Surface Conditions Report, January 28, 2015. Ecology Publication No. 15-03-070.
http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2015_1_28.pdf

Washington State Department of Ecology. 2015b. Eyes Over Puget Sound, Surface Conditions Report, February 17, 2015. Ecology Publication No. 15-03-071.
http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2015_2_17.pdf

Washington State Department of Ecology. 2015c. Eyes Over Puget Sound, Surface Conditions Report, March 24, 2015. Ecology Publication No. 15-03-072.
http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2015_3_24.pdf

Washington State Department of Ecology. 2015d. Eyes Over Puget Sound, Surface Conditions Report, April 29, 2015. Ecology Publication No. 15-03-073.
http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2015_4_29.pdf

Washington State Department of Ecology. 2015e. Eyes Over Puget Sound, Surface Conditions Report, June 8, 2015. Ecology Publication No. 15-03-074.
<https://fortress.wa.gov/ecy/publications/documents/1503074.pdf>

Washington State Department of Ecology. 2015f. Eyes Over Puget Sound, Surface Conditions Report, July 6, 2015. Ecology Publication No. 15-03-075.
<https://fortress.wa.gov/ecy/publications/documents/1503075.pdf>

Washington State Department of Ecology. 2015g. Eyes Over Puget Sound, Surface Conditions Report, August 8, 2015. Ecology Publication No. 15-03-076.
<https://fortress.wa.gov/ecy/publications/documents/1503076.pdf>

Washington State Department of Ecology. 2015h. Eyes Over Puget Sound, Surface Conditions Report, September 21, 2015. Ecology Publication No. 15-03-077.
<https://fortress.wa.gov/ecy/publications/documents/1503077.pdf>

Washington State Department of Ecology. 2015i. Eyes Over Puget Sound, Surface Conditions Report, October 6, 2015. Ecology Publication No. 15-03-078.
<https://fortress.wa.gov/ecy/publications/documents/1503078.pdf>

Washington State Department of Ecology. 2015j. Eyes Over Puget Sound, Surface Conditions Report, December 14, 2015. Ecology Publication No. 15-03-079.
<https://fortress.wa.gov/ecy/publications/documents/1503079.pdf>

Yamada, S. B., W.T. Peterson, P.M. Kosro, 2015. Biological and physical ocean indicators predict the success of an invasive crab, *carcinus maenas*, in the northern California Current. *Marine Ecology Progress Series*, 537: 175-189. doi: 10.3354/meps11431.

Zarnetske P.L., P. Ruggiero, E.W. Seabloom, S.D. Hacker, 2015. Coastal foredune evolution: the relative influence of vegetation and sand supply in the US Pacific Northwest. *Journal of the Royal Society Interface*, 20150017. <http://dx.doi.org/10.1098/rsif.2015.0017>

2014

Baron, H.M., P. Ruggiero, N.J. Wood, E.L. Harris, J. Allan, P.D. Komar, and P. Corcoran, 2014. Incorporating climate change and morphological uncertainty into coastal change hazard assessments. *Natural Hazards*, doi:10.1007/s11069-014-1417-8.

Cohn, N., P. Ruggiero, J. Ortiz, and D.J. Walstra, 2014. Investigating the role of complex sandbar morphology on nearshore hydrodynamics. In Proceedings of the 13th International Coastal Symposium, Durban, South Africa, 13-17 April 2014. *Journal of Coastal Research*, Special Issue 70, 53-58, doi:10.2112/SI65-010.1.

Davis, K. A., N. S. Banas, S. N. Giddings, S. A. Siedlecki, P. MacCready, E. J. Lessard, R. M. Kudela, and B. M. Hickey, 2014. Estuary-enhanced upwelling of marine nutrients fuels coastal productivity in the U.S. Pacific Northwest. *Journal of Geophysical Research: Oceans*, 119, 8778–8799, doi:10.1002/2014JC010248.

Kim, S.Y, P.M Kosro, and A.L. Kurapov, 2014. Evaluation of directly wind-coherent near-inertial currents off Oregon using a statistical parameterization and analytical and numerical models. *Journal of Geophysical Research*, 119(10): 6631-6654, doi:10.1002/2014JC010115.

Kim, S.Y., E.J. Terrill, B.D. Cornuelle, B. Jones, L. Washburn, M. Moline, J.D. Paduan, N. Garfield, J.L. Largier, G. Crawford, and P.M. Kosro, 2014. Poleward propagating subinertial alongshore surface currents off the U.S. West Coast. *Journal of Geophysical Research*, 118: 6791-6806, doi:10.1002/jgrc.20400.

Osborne, J.J., A.L. Kurapov, G.D. Egbert, and P.M. Kosro, 2014: Intensified Diurnal Tides along the Oregon Coast. *J. Phys. Oceanogr.*, **44**, 1689–1703, <https://doi.org/10.1175/JPO-D-13-0247.1>

Mazzini, P.L.F., J.A. Barth, R.K. Shearman and A. Erofeev, 2014. Buoyancy-driven coastal currents off the Oregon coast during fall and winter. *Journal of Physical Oceanography*, 44, 2854-2876.

Mull, J. and P. Ruggiero, 2014. Estimating storm-induced dune erosion and overtopping along U.S. West Coast beaches. *Journal of Coastal Research*, 30(6), 1173-1187, doi:10.2112/JCOASTRES-D-13-00178.1.

Newton, J.A, J. Allan, and T. Tanner, 2014. Recent NANOOS contributions to maritime operations and boater traffic. *Sidelights*, Council of American Master Mariners, Vol. 44, No 3. http://www.mastermariner.org/sidelights/Sidelights_June-Aug2014.pdf

Newton, J.A., R.A. Feely, E.B. Jewett, P. Williamson, and J. Mathis, 2014. Global Ocean Acidification Observing Network: Requirements and Governance Plan, First Edition, IAEA. http://www.goa-on.org/docs/GOA-ON_Plan_final_Sept_2014.pdf

Osborne, J.J., A.L. Kurapov, G.D. Egbert, and P.M. Kosro, 2014: Intensified Diurnal Tides Along the Oregon Coast. *Journal of Physical Oceanography*, 44(7): 1689-1703, doi:10.1175/JPO-D-13-0247.1.

Ruggiero, P., M.G. Kratzmann, E.A. Himmelstoss, D. Reid, J. Allan, and G. Kaminsky, 2013. National assessment of shoreline change - Historical shoreline change along the Pacific Northwest Coast: U.S. Geological Survey Open-File Report 2012–1007, 62 p.

Washington State Department of Ecology. 2014a. Eyes Over Puget Sound, Surface Condition Report, February 4, 2014. Ecology Publication No. 14-03-070. http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2014_02_04.pdf

Washington State Department of Ecology. 2014b. Eyes Over Puget Sound, Surface Condition Report, March 24, 2014. Ecology Publication No. 14-03-071. http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2014_03_24.pdf

Washington State Department of Ecology. 2014c. Eyes Over Puget Sound, Surface Condition Report, April 21, 2014. Ecology Publication No. 14-03-072. http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2014_04_21.pdf

Washington State Department of Ecology. 2014d. Eyes Over Puget Sound, Surface Condition Report, May 12, 2014. Ecology Publication No. 14-03-073. http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2014_05_12.pdf

Washington State Department of Ecology. 2014e. Eyes Over Puget Sound, Surface Conditions Report, June 23, 2014. Ecology Publication No. 14-03-074. http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2014_06_23.pdf

Washington State Department of Ecology. 2014f. Eyes Over Puget Sound, Surface Conditions Report, July 28, 2014. Ecology Publication No. 14-03-075. http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2014_07_28.pdf

Washington State Department of Ecology. 2014g. Eyes Over Puget Sound, Surface Conditions Report, August 18, 2014. Ecology Publication No. 14-03-076. http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2014_08_18.pdf

Washington State Department of Ecology. 2014h. Eyes Over Puget Sound, Surface Conditions Report, September 16, 2014. Ecology Publication No. 14-03-077. http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2014_09_16.pdf

Washington State Department of Ecology. 2014i. Eyes Over Puget Sound, Surface Conditions Report, October 29, 2014. Ecology Publication No. 14-03-078. http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2014_10_29.pdf

Washington State Department of Ecology. 2014j. Eyes Over Puget Sound, Surface Conditions Report, November 17, 2014. Ecology Publication No. 14-03-079.

http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2014_11_17.pdf

Zhang, S., M.H. Alford and J.B. Mickett, 2014. Characteristics of Nonlinear Internal Waves on the Washington Continental Shelf. *Journal of Geophysical Research*, submitted.

Cant Find this paper

2013

Adams, K.A., J.A. Barth and F. Chan, 2013. Temporal variability of near-bottom dissolved oxygen during upwelling off central Oregon. *Journal of Geophysical Research*, 118, doi:10.1002/jgrc.20361.

Harris, K.E., M.D. DeGrandpre and B. Hales, 2013. Aragonite saturation state dynamics in a coastal upwelling zone, *Geophysical Research Letters*, 40, 1-5.

Hickey, B.M., V.L. Trainer, P.M. Kosro, N.G. Adams, T.P. Connolly, N. Kachel, and S.L. Geier, 2013. A springtime source of toxic Pseudo-nitzschia cells on razor clam beaches in the Pacific Northwest. *Harmful Algae*, 25:1-14. doi:10.1016/j.hal.2013.01.006.

Kim, S.Y., and P.M. Kosro, 2013. Observations of near-inertial surface currents off Oregon: decorrelation time and length scales. *Journal of Geophysical Research*, 118, doi:10.1002/jgrc.20235.

Kurapov, A., P. Yu, K.R. Shearman, and J.S. Allen, 2013. Sea surface temperature variability in the upwelling region off Oregon influenced by the Columbia River plume. *Geophysical Research Letters*, submitted.

Osborne, J.J., A.L. Kurapov, P. Yu, R.K. Shearman, and J.S. Allen, 2013: Sea surface temperature variability in the upwelling region off Oregon influenced by the Columbia River plume, *Geophysical Research Letters*, in review.

PSEMP Marine Waters Workgroup. 2013. Puget Sound marine waters: 2012 overview. S.K. Moore, K. Stark, J. Bos, P. Williams, J. Newton, and K. Dzinbal (Eds).

http://www.psp.wa.gov/downloads/psemp/PSmarinewaters_2012_overview.pdf

Ruggiero, P., Kratzmann, M.A., Himmelstoss, E.G., Reid, D., Allan, J., and Kaminsky, G., 2013, National assessment of shoreline change: Historical shoreline change along the Pacific Northwest Coast: U.S. Geological Survey Open-File Report 2012–1007, 62 p.

Seabloom, E., P. Ruggiero, S. Hacker, J. Mull, P. Zarnetske, 2013. Invasive grasses, climate change, and flood risk in coastal ecosystems. *Global Change Biology*, doi:10.1111/gcb.12078.

Washington State Department of Ecology. 2013a. Eyes Over Puget Sound, Surface Condition Report, June 17, 2013. http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2013_06_17.pdf

Washington State Department of Ecology. 2013b. Eyes Over Puget Sound, Surface Condition Report, July 15, 2013. http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2013_07_15.pdf

Washington State Department of Ecology. 2013c. Eyes Over Puget Sound, Surface Condition Report, August 21, 2013.

http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2013_08_21.pdf

Washington State Department of Ecology. 2013a. Eyes Over Puget Sound, Surface Condition Report, September 11, 2013. Publication No. 13-03-078.

http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2013_09_11.pdf

Washington State Department of Ecology. 2013a. Eyes Over Puget Sound, Surface Condition Report, October 28, 2013. Publication No. 13-03-079.

http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2013_10_28.pdf

Washington State Department of Ecology. 2013a. Eyes Over Puget Sound, Surface Condition Report, November 21, 2013.

http://www.ecy.wa.gov/eap/Flight_Blog/latest_pictures/EOPS_2013_11_21.pdf

Washington State Department of Ecology. 2013. Eyes Over Puget Sound, Surface Condition Report, December 31, 2013. Ecology Publication No. 13-03-081.

http://www.ecy.wa.gov/programs/eap/mar_wat/eops/EOPS_2013_12_31.pdf

2012

Alford, M.H., J. Mickett, S. Zhang, P. MacCready, Z. Zhao, and J. Newton, 2012. Internal Waves on the Washington Continental Shelf. *Oceanography*, 25(2):66–79, doi:10.5670/oceanog.2012.43.

Kosro, P.M., A. Dorkins, and D. Langner, 2012. Mapping the changes in ocean surface currents off the Northwest coast. *Sidelights*, The Council of American Master Mariners, Vol. 42, No. 4.

http://www.mastermariner.org/sidelights/Sidelights_Oct2012.pdf

Mayorga, E., 2012. The role of CUAHSI in the NANOOS Visualization System (NVS): A user-friendly, regional application for environmental data aggregation and dissemination. *CUAHSI eNews Brief*, 6(4, April). <http://cuahsi.org/enews/enews-201204.html>

Mayorga, E., 2012. “IOOS, NANOOS and SECOORA DMAC Project Advancing IOOS International Partnerships.” IOOS Association National and Regional Coastal and Ocean Observing News, December 2012.

<http://archive.constantcontact.com/fs181/1103098301442/archive/1111350108903.html>

Newton, J. and D. Martin, 2012. Tsunami Hazard Information through the Integrated Ocean Observing System (IOOS): How NANOOS is employing web-based, social networking and mobile application technologies in the Pacific Northwest. *Sidelights*, The Council of American Master Mariners, Vol. 42, No. 4. http://www.mastermariner.org/sidelights/Sidelights_Feb2012.pdf

Newton, J., 2012. Observations to Assess and Monitor Ocean Acidification. *Sidelights*, The Council of American Master Mariners, Vol. 42, No. 2.

http://www.mastermariner.org/sidelights/Sidelights_April2012.pdf

Pierce, S.D., J.A. Barth, R.K. Shearman and A.Y. Erofeev, 2012. Declining oxygen in the Northeast Pacific. *Journal of Physical Oceanography*, 42, 495-501, doi:10.1175/JPO-D-11-0170.1.

Yu, P., A.L. Kurapov, G.D. Egbert, J.S. Allen, & P.M. Kosro, 2012. Variational assimilation of HF radar surface currents in a coastal ocean model off Oregon. *Ocean Modeling*, 49-50(C), 86–104, doi:10.1016/j.ocemod.2012.03.001.

2011

Barnard, P., J. Allan, J. Hansen, G.M. Kaminsky, P. Ruggiero, and A. Doria, 2011. The impact of the 2009-10 El Niño on U.S. West Coast beaches. *Geophysical Research Letters*, 38, doi:10.1029/2011GL047707.13.

Hacker, S., P. Zarnetske, E. Seabloom, P. Ruggiero, J. Mull, S. Gerrity, and C. Jones, 2011. Subtle differences in two non-native congeneric beach grasses significantly affect their colonization, spread, and impact. *Oikos*, doi:10.1111/j.1600-0706.2011.01887.x.

Kim, S.Y., E. Terrill, B. Cornuelle, B. Jones, L. Washburn, M. Moline, J. Paduan, N. Garfield, J.L. Largier, G. Crawford, and P.M. Kosro, 2011. Observations of high-resolution coastal surface circulation on the U.S. West Coast. *Journal of Geophysical Research*, 116, doi:10.1029/2010JC006669.

Komar, P.D., J.C. Allan, and P. Ruggiero, 2011. Sea level variations along the US Pacific Northwest coast: tectonic and climate controls. *Journal of Coastal Research*, (27) 5, 808-823, doi:10.2112/JCOASTRES-D-10-00116.1.

Kurapov, A.L., D. Foley, P.T. Strub, G.D. Egbert, and J.S. Allen, 2011. Variational assimilation of satellite observations in a coastal ocean model off Oregon. *Journal of Geophysical Research*, 116, C05006, doi:10.1029/2010JC006909.

Martin, D.L., J.C. Allan, J. Newton, D.W. Jones, S. Mikulak, E. Mayorga, T. Tanner, N. Lederer, A. Sprenger, R. Blair and S.A. Uczekaj, 2011. Using Web-based and Social Networking Technologies to Disseminate Coastal Hazard Mitigation Information within the Pacific Northwest Component of the Integrated Ocean Observing System (IOOS). *Proceedings of MTS/IEEE Oceans 2011*, IEEE, Kona, Hawai'i. http://nanoos.org/documents/key/nanoos_oceans11_final.pdf

Newton, J., 2011. News from the U.S. Integrated Ocean Observing System (U.S. IOOS®) and Northwest Association of Networked Ocean Observing Systems (NANOOS). *Sidelights*, The Council of American Master Mariners, Vol. 41, No. 5. http://www.mastermariner.org/sidelights/Sidelights_Dec2011.pdf

Osborne, J.J., A.L. Kurapov, G.D. Egbert, and P.M. Kosro, 2011. Spatial and temporal variability of the M2 internal tide generation and propagation on the Oregon shelf. *Journal of Physical Oceanography*, 41(11), 2037-2062, doi:10.1175/JPO-D-11-02.1.

Roegner, G.C., J.A. Needoba, and A.M. Baptista, 2010. Coastal Upwelling Supplies Oxygen-Depleted Water to the Columbia River Estuary. *PLoS ONE*, 6(4).

2010

Burla, M., A. Baptista, Y. Zhang, S. Frolov, 2010. Seasonal and interannual variability of the Columbia River plume: A perspective enabled by multiyear simulation databases. *Journal of Geophysical Research*, 115, C00B16, doi:10.1029/2008JC004964.

Burla, M., A. Baptista, E. Casillas, J.G. Williams, and D.M. Marsh, 2010. The influence of the Columbia River plume on the survival of steelhead (*Oncorhynchus mykiss*) and Chinook salmon (*Oncorhynchus tshawytscha*): a numerical exploration. *Canadian Journal of Fisheries & Aquatic Sciences*, 67(10):1671-1684, doi:10.1139/F10-083.

Hickey, B.M., R.M. Kudela, J.D. Nash, K.W. Bruland, W.T. Peterson, P. MacCready, E.J. Lessard, D.A. Jay, N.S. Banas, A.M. Baptista, E.P. Dever, P.M. Kosro, L.K. Kilcher, A.R. Horner-Devine, E.D. Zaron, R.M. McCabe, J.O. Peterson, P.M. Orton, J. Pan and M.C. Lohan, 2010. River Influences on Shelf Ecosystems: Introduction and Synthesis. *Journal of Geophysical Research*, 115, C00B17, doi:10.1029/2009JC005452.

Koch, A.O., A.L. Kurapov, and J.S. Allen, 2010. Near-surface dynamics of a separated jet in the coastal transition zone off Oregon. *Journal of Geophysical Research*, 115, C08020, doi:10.1029/2009JC005704.

Kudela, R.M., A.R. Horner-Devine, N.S. Banas, B.M. Hickey, T.D. Peterson, R.M. McCabe, E.J. Lessard, E. Frame, K.W. Bruland, D.A. Jay, J.O. Peterson, W.T. Peterson, P.M. Kosro, S.L. Palacios, M.C. Lohan, and E.P. Dever, 2010. Multiple trophic levels fueled by recirculation in the Columbia River plume. *Geophysical Research Letters*, 37(L18607), 1-7, doi:10.1029/2010GL044342.

Mayorga, E., T. Tanner, R. Blair, A.V. Jaramillo, N. Lederer, C.M. Risien, and C. Seaton, 2010. The NANOOS Visualization System (NVS): Lessons Learned in Data Aggregation, Management and Reuse, for a User Application. *Proceedings of MTS/IEEE Oceans 2010*, IEEE, Seattle, Washington. <http://nanoos.org/documents/key/Mayorga-Oceans10-NVSDMAC.pdf>.

Yamada, S.B., and P.M. Kosro, 2010. Can ocean conditions predict recruitment strength of the invasive European green crab, *Carcinus maenas*? *Biological Invasions*, 12(6): 1791-1804, doi:10.1007/s10530-009-9589-y.

2009

Allan, J.C., R.C. Witter, and P. Ruggiero, 2009. Coastal geomorphology, hazards, and management issues along the Pacific Northwest coast of Oregon and Washington. *Volcanoes to vineyards: Geologic field trips through the dynamic landscape of the Pacific Northwest: Geological Society of America Field Guide 15*, J.E. O'Connor, R.J. Dorsey and I.P. Madin (eds.), pp. 495-519, The Geological Society of America, Boulder, CO.

Kurapov, A.L., G.D. Egbert, J.S. Allen, and R.N. Miller, 2009. Representer-based analyses in the coastal upwelling system. *Dynamics of Atmospheres and Oceans*, 48(1-3), 198-218, doi:10.1016/j.dynatmoce.2008.09.002.

Risien, C.M., J.C. Allan, R. Blair, A.V Jaramillo, D. Jones, P.M. Kosro, D. Martin, E. Mayorga, J.A. Newton, T. Tanner, and S.A. Uczekaj, 2009. The NANOOS Visualization System: Aggregating, Displaying and Serving Data. *Proceedings of MTS/IEEE Oceans 2009*, IEEE, Biloxi, Mississippi. http://nanoos.org/documents/key/Oceans09_NVS.pdf

Theses and Dissertations supported by NANOOS

Meskill, S., 2009. Applications of Marine Radar Wave Observation Systems. M.S project report, Oregon State University, Corvallis, OR, December.

Mikulak, S., 2009. The development and evaluation of an interactive exhibit to support real-time water quality data interpretation by the public at an informal education setting. M.S. thesis, 232 pp., Oregon State University, Corvallis, OR, 10 June.