

## Publications acknowledging NANOOS support

Last update: November 2020

Note: This list will be updated annually.

### 2020

Chen, X., W. Huang, M. C. Haller, and R. Pittman. 2020. Rain-contaminated region segmentation of Xband marine radar images with an ensemble of SegNets, *submitted to IEEE Trans. Geosci. Remote Sens.*, Feb. 2020.

Honegger, D. A., M. C. Haller, and R. A. Holman. 2020. High-resolution bathymetry estimates via X-band marine radar: 2. Effects of currents at tidal inlets, *Coastal Engineering*, 156, 2020. <https://doi.org/10.1016/j.coastaleng.2019.103626>

Morrice, K. 2020. An individual-based model to evaluate juvenile chinook salmon migration in the Columbia River estuary. *PhD dissertation*. OHSU. May 2020.

Morrice, K., A. M. Baptista, and B. Burke. 2020. Environmental and behavioral controls on juvenile Chinook salmon migration pathways in the Columbia River estuary. *Ecological Modeling*. <https://doi.org/10.1016/j.ecolmodel.2020.109003>

Stevens, A.W., E. Elias, S. Pearson, G. M. Kaminsky, P. R. Ruggiero, H. M. Weiner, and G. R. Gelfenbaum. 2020. Observations of coastal change and numerical modeling of sediment-transport pathways at the mouth of the Columbia River and its adjacent littoral cell: *U.S. Geological Survey Open-File Report 2020–1045*, 82 p., <https://doi.org/10.3133/ofr20201045>

### 2019

Anderson, C. R., E. Berdalet, R. M. Kudela, C. K. Cusack, J. Silke, E. O'Rourke, D. Dugan, M. McCammon, J. Newton, S. K. Moore, K. Paige, S. Ruber, J. R. Morrison, B. Kirkpatrick, K. Hubbard and J. Morell. 2019. Scaling Up From Regional Case Studies to a Global Harmful Algal Bloom Observing System. *Front. Mar. Sci.* 6:250. doi: 10.3389/fmars.2019.00250 <https://www.frontiersin.org/articles/10.3389/fmars.2019.00250/full>

Antolinez, J. A. A., D. Anderson, F. Mendez, P. Ruggiero, and G. Kaminsky. 2019. Understanding long term coastal change and variability using a simple and efficient multi-process model. *Coastal Sediments 2019*: 2091-2102. [https://doi.org/10.1142/9789811204487\\_0179](https://doi.org/10.1142/9789811204487_0179)

Antolinez, J. A. A., F. Mendez, D. Anderson, P. Ruggiero, and G. Kaminsky. 2019. Predicting climate-driven coastlines with a simple and efficient multi-scale model. *J. Geophys. Res. Earth Surf.* **124**(6): 1596-1624. <https://doi.org/10.1029/2018JF004790>

Bailey, K., C. Steinberg, C. Davies, G. Galibert, M. Hidas, M. A. McManus, T. Murphy, J. Newton, M. Roughan and A. Schaeffer. 2019. Coastal Mooring Observing Networks and Their Data Products: Recommendations for the Next Decade. *Front. Mar. Sci.* 6:180. doi: 10.3389/fmars.2019.00180 <https://www.frontiersin.org/articles/10.3389/fmars.2019.00180/full>

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. McCready, 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-national cooperation: A case study from the Northeast Pacific. *Front. Mar. Sci.* **6**: 93. <https://doi.org/10.3389/fmars.2019.00093>

Biel, R., S. D. Hacker, and P. Ruggiero. 2019. Elucidating coastal foredune ecomorphodynamics in the US Pacific Northwest via Bayesian networks. *J. Geophys. Res. Earth Surf.* **124**(7): 1919-1938. <https://doi.org/10.1029/2018JF004758>

Canonico, G., P. L. Buttigieg, E. Montes, F. E. Muller-Karger, C. Stepien, D. Wright, A. Benson, B. Helmuth, M. Costello, I. Sousa-Pinto, H. Saeedi, J. Newton, W. Appeltans, N. Bednaršek, L. Bodrossy, B. D. Best, A. Brandt, K. D. Goodwin, K. Iken, A. C. Marques, P. Miloslavich, M. Ostrowski, W. Turner, E. P. Achterberg, T. Barry, O. Defeo, G. Bigatt, L. A. Henry, B. RamiroSánchez, P. Durán, T. Morato, J. M. Roberts, A. García-Alegre, M. S. Cuadrado and B. Murton. 2019. Global Observational Needs and Resources for Marine Biodiversity. *Front. Mar. Sci.* **6**:367. doi: 10.3389/fmars.2019.00367 <https://www.frontiersin.org/articles/10.3389/fmars.2019.00367/full>

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Cohn, N., P. Ruggiero, G. Garcia-Medina, D. Anderson, K. Serafin, and R. Biel. 2019. Environmental and morphologic controls on wave-induced dune response. *Geomorphology* **329**: 108-128. <https://doi.org/10.1016/j.geomorph.2018.12.023>

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Honegger, D. A., M. C. Haller, and R. A. Holman. 2019. High-resolution bathymetry estimates via X-band marine radar: 1. Beaches. *Coast. Eng.* **149**: 39-48. <https://doi.org/10.1016/j.coastaleng.2019.03.003>

Honegger, D. A., M. C. Haller, and R.A. Holman. 2019. High-resolution bathymetry estimates via X-band marine radar: 2. Tidal inlets and river mouths. *Coast. Eng.* **156**: 103626. <https://doi.org/10.1016/j.coastaleng.2019.103626>

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- Pasmans, O., A. Kurapov, J. A. Barth, P. M. Kosro, and R. K. Shearman. 2019. Ensemble 4DVAR (En4DVar) data assimilation in a coastal ocean circulation model. Part II: Implementation offshore Oregon-Washington, USA. Submitted to Ocean Modelling.
- PSEMP Marine Waters Workgroup. 2019. Puget Sound marine waters: 2018 overview. S. K. Moore, R. Wold, B. Curry, K. Stark, J. Bos, P. Williams, N. Hamel, J. Apple, S. Kim, A. Brown, C. Krembs, and J. Newton (Eds). URL: [www.psp.wa.gov/PSmarinewatersoverview.php](http://www.psp.wa.gov/PSmarinewatersoverview.php)
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## 2017

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## 2016

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