

## Publications acknowledging NANOOS support

Last update: January 2023

Note: This list will be updated annually.

### 2022

Broatch, E.M., and P. MacCready, 2022. Mixing in a salinity variance budget of the Salish Sea is controlled by river flow. *Journal of Physical Oceanography*, 52.10: 2305-2323.

<https://doi.org/10.1175/JPO-D-21-0227.1>

Dobson, K.L. , J.A. Newton, S. Widdicombe, K.L. Schoo, M.P. Acquafredda, G. Kitch, A. Bantelman, K. Lowder, A. Valauri-Orton, K. Soapi, K. Azetsu-Scott, and K. Isensee, 2022. Ocean acidification research for sustainability: Co-designing global action on local scales. *ICES Journal of Marine Science*, fsac158, <https://doi.org/10.1093/icesjms/fsac158>

ESMWG (includes J. Newton), 2022. Developing Resilience in the Face of Rapidly Changing Marine Environments, A report to the NOAA Science Advisory Board by the Ecosystem Sciences and Management Working Group (ESMWG), 21 November 2022.

<https://sab.noaa.gov/wp-content/uploads/Rapidly-Changing-Marine-Environments-Report.pdf>

Ross, T., A.C. Franco, J.A. Barth, A. Sastri, M. Robert, D. Ianson, C. Hannah, F. Chan, R. Feely, R. Dewey, and A. Peña, 2022. Update on the Northeast Pacific: Summer 2021 low oxygen event on the west coast of North America. *PICES Press*, <https://meetings.pices.int/publications/pices-press/volume30/PPJan2022.pdf>

Stone, H.B., N.S. Banas, P. MacCready, V.L. Trainer, D.L. Ayres, and M.V. Hunter, 2022. Assessing a model of Pacific Northwest harmful algal bloom transport as a decision-support tool. *Harmful Algae*, 119, <https://doi.org/10.1016/j.hal.2022.102334>

Sunday, J.M., E. Howard, S. Siedlecki, D.J. Pilcher, C. Deutsch, P. MacCready, J. Newton, and T. Klinger, 2022. Biological sensitivities to high-resolution climate change projections in the California current marine ecosystem. *Global Change Biology*, 28, 5726– 5740.

<https://doi.org/10.1111/gcb.16317>

Sutton, A.J., R. Battisti, B. Carter, W. Evans, J. Newton, S. Alin, N. R. Bates, W.J. Cai, K. Currie, R. A. Feely, C. Sabine, T. Tanhua, B. Tilbrook, and R. Wanninkhof, 2022. Advancing best practices for assessing trends of ocean acidification time series. *Front. Mar. Sci.*, 9:1045667.

<https://doi.org/10.3389/fmars.2022.1045667>

### 2021

Chen, X., W. Huang, M.C. Haller, and R. Pittman. 2021. Rain-contaminated region segmentation of X-band marine radar images with an ensemble of SegNets. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, Vol. 14, pp. 141-154, 2021.

doi:10.1109/JSTARS.2020.3043739

Chen, X., W. Huang, and M.C. Haller. 2021. A Novel Scheme for Extracting Sea Surface Wind Information from Rain-contaminated X-band Marine Radar Images. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, Vol. 14, pp. 5220—5234, 2021. doi:10.1109/JSTARS.2021.3078902

Haller, M.C. 2021. “Introduction to Ocean Remote Sensing with Marine Radars”. Ocean Remote Sensing Technologies: High Frequency, Marine, and GNSS-Based Radar, edited by Weimin Huang, *IET*.

Honegger, D. and M.C. Haller. 2021. “Bathymetry (and Current) Retrieval: Phase-based Method”. Ocean Remote Sensing Technologies: High Frequency, Marine, and GNSS-Based Radar, edited by Weimin Huang, *IET*.

MacCready, P., McCabe, R.M., Siedlecki, S.A., Lorenz, M., Giddings, S.N., Bos, J., Albertson, S., Banas, N. S., & Garnier, S. 2021. Estuarine Circulation, Mixing, and Residence Times in the Salish Sea. *Journal of Geophysical Research: Oceans*, 126(2). doi:10.1029/2020jc016738

Newton, J., P. MacCready, S. Siedlecki, D. Manalang, J. Mickett, S. Alin, E. Schumacker, J. Hagen, S. Moore, A. Sutton, and R. Carini. 2021. Multi-stressor observations and modeling to build understanding of and resilience to the coastal impacts of climate change. Pp. 86–87 in *Frontiers in Ocean Observing: Documenting Ecosystems, Understanding Environmental Changes, Forecasting Hazards*. E.S. Kappel, S.K. Juniper, S. Seeyave, E. Smith, and M. Visbeck, eds, A Supplement to *Oceanography* 34(4), <https://doi.org/10.5670/oceanog.2021.supplement.02-31>

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Yamada, S.B., J. Fisher, P.M. Kosro. 2021. Relationship between ocean ecosystem indicators and year class strength of the invasive green crab (*Carcinus maenas*) in Oregon estuaries. *Progress in Oceanography*, (in press). doi:10.1016/j.pcean.2021.102618

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Magel, C.L., S.D. Hacker, F. Chan, and A. Helms. 2020. 'Eelgrass and macroalgae declines in a US Pacific Northwest estuary highlights the biogeochemical controls and feedbacks for hypoxia and ocean acidification.' Chapter 3. *PhD dissertation*. OSU. September 2020.

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>

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

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