

Publications acknowledging NANOOS support

Last update: October 2025

Note: This list will be updated annually.

2025

Brasseale, E., & P. MacCready. 2025. Seasonal Wind Stress Direction Influences Source and Properties of Inflow to the Salish Sea and Columbia River Estuary. *Journal of Geophysical Research: Oceans*, 130(2). doi:10.1029/2024jc022024

Graffin, M., Almar, R., Bergsma, E., Boucharel, J., Vitousek, S., Taherkhani, M., and Ruggiero, P. 2025. Waterline responses to climate forcing along the North American West Coast, *Communications Earth & Environment*, <https://doi.org/10.1038/s43247-025-02414-x>

Keogh, M.E., D.A. Sutherland, E.F. Eidam, T.D. Souza, J. Schmitt, A.R. Helms, and D.K. Ralston. 2025. Estuarine Sediment Dynamics and the Importance of Storms in Moving (and Removing) Mud. *Estuaries and Coasts* 48, 104. <https://doi.org/10.1007/s12237-025-01524-1>

Magel, C.L., A. Nugraha, D.A. Sutherland, A.R. Helms, J. Niessner, and T. Khangaonkar. 2025. Biophysical model of eelgrass and water quality in Coos Bay, OR shows greater mitigation potential for ocean acidification than hypoxia. *Front. Mar. Sci.* 12:1585621. <https://doi.org/10.3389/fmars.2025.1585621>

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Alin, S.R., J.A. Newton, R.A. Feely, S. Siedlecki, and D. Greeley. 2024. Seasonality and response of ocean acidification and hypoxia to major environmental anomalies in the southern Salish Sea, North America (2014–2018). *Biogeosciences*, bgs-2023-181

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Barth, J. A., S. D. Pierce, B. Carter, A. Y. Erofeev, J. L. Fisher, R. A. Feely, K. C. Jacobson, A. A. Keller, C. A. Morgan, J. E. Pohl, L. K. Rasmuson, and V. Simon, 2024. Widespread and increasing near-bottom hypoxia in the coastal ocean off the United States Pacific Northwest. *Nature Sci. Rep.*, **14**, 3798, <https://doi.org/10.1038/s41598-024-54476-0>

Koehlinger J.A., J. Newton, J. Mickett, L. Thompson, and T. Klinger. 2023. Large and transient positive temperature anomalies in Washington’s coastal nearshore waters during the 2013–2015

northeast Pacific marine heatwave. PLoS ONE 18(2): e0280646.
<https://doi.org/10.1371/journal.pone.0280646>

McCabe, R.M., Hickey, B.M., Trainer, V.L. 2023. The Pacific Northwest harmful algal blooms bulletin. Harmful Algae. 127. DOI:10.1016/j.hal.2023.102480.

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Siedlecki, S.A., S.R. Alin, E.L. Norton, N.A. Bond, A.J. Hermann, R.A. Feely, and J.A. Newton. 2023. Can seasonal forecasts of ocean conditions aid fishery managers? Experiences from 10 years of J-SCOPE. *Oceanography* 36(2–3):158–167, <https://doi.org/10.5670/oceanog.2023.219>

Stevens, A.W., Weiner, H.M., Wood, J.M., Ruggiero, P., Kaminsky, G.M., and Gelfenbaum G.R., 2019, Beach topography and nearshore bathymetry of the Columbia River littoral cell, Washington 40 and Oregon (ver. 4.0, January 2024): U.S. Geological Survey data release,
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Scroccaro, I.; Spitz, Y.H.; Seaton, C.M. Effect of Local Winds on Salinity Intrusion in the Columbia River Estuary. *Water* 2023, 15, 326. <https://doi.org/10.3390/w15020326>

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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

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