National Oceanic and Atmospheric Administration
National Status & Trends Program
National Mussel Watch Program
List of Publications
Last Updated – 09/14/2026

2026

1. Castillo, N.A., Swam-Jaramillo, L.M., Rider, M.M., & Apeti, D.A. (2026). A 2024 Assessment of Legacy Organic Contaminants on the Gulf Coast. NOAA Technical Memorandum NOS NCCOS 370. Silver Spring, MD. 116 pp. https://repository.library.noaa.gov/view/noaa/74162.

2. Castillo, N.A., Swam-Jaramillo, L.M., Rider, M.M., Morozova, A., Kimbrough, K.L., Davenport, E.D., Edwards, M.A., Arzayus, F., & Apeti, D.A. (2026). Ensuring adaptability and applicability of long-term contaminant monitoring initiatives: A discussion of NOAA's National Mussel Watch Program current practices and future approaches. Environmental Monitoring and Assessment 198:815. https://repository.library.noaa.gov/view/noaa/74372.

3. Edwards, M.A., Swam-Jaramillo, L.M., Rider, M.M., Castillo, N.A., & Apeti, D.A. (2026). A 2022 Assessment of Legacy Organic Contaminants in Sediment in the Great Lakes Basin. NOAA Technical Memorandum NOS NCCOS 373. Silver Spring, MD. 122 pp. https://repository.library.noaa.gov/view/noaa/74388.

4. Swam-Jaramillo, L.M., Edwards, M.A., Rider, M.M., Apeti, D.A., & Reed, L. (2026). A 2022 Assessment of Trace Metals in Dreissenid Mussels in the Great Lakes Basin. NOAA Technical Memorandum NOS NCCOS 367. Silver Spring, MD. 101 pp. https://repository.library.noaa.gov/view/noaa/72634.

5. Swam-Jaramillo, L.M., Edwards, M.A., Rider, M.M., & Apeti, D.A. (2026). A 2022 Assessment of Trace Metals in Sediment in the Great Lakes Basin. NOAA Technical Memorandum NOS NCCOS 371. Silver Spring, MD. 99 pp. https://repository.library.noaa.gov/view/noaa/74214.

2025

6. Castillo, N.A., Swam-Jaramillo, L.M., Rider, M.M., & Apeti, D.A. (2025). A 2021 Assessment of Legacy Organic Contaminants on the Mid-Atlantic Coast. NOAA Technical Memorandum NOS NCCOS 364. Silver Spring, MD. 91 pp. https://repository.library.noaa.gov/view/noaa/72113.

7. Castillo, N.A., Swam-Jaramillo, L.M., Rider, M.M., Apeti, D.A., & Pisarski, E.C. (2025). A 2021 Assessment of Contaminants of Emerging Concern on the Mid-Atlantic Coast. NOAA Technical Memorandum NOS NCCOS 361. Silver Spring, MD. 77 pp. https://repository.library.noaa.gov/view/noaa/72112.

8. Edwards, M.A., Swam-Jaramillo, L.M., Rider, M.M., & Apeti, D.A. (2025). A 2022 Assessment of Legacy Organic Contaminants in Dreissenid Mussels in the Great Lakes Basin. NOAA Technical Memorandum NOS NCCOS 363. Silver Spring, MD. 119 pp. https://repository.library.noaa.gov/view/noaa/72635.

9. Fuller, N., Kimbrough, K., Edwards, M.E., Maloney, E M., Corsi, S.R., Pronschinske, M.A., DeCicco, L.A., Frisch, J., Baldwin, A.K., Hummel, S.L., Vinas, N., & Villeneuve, D.L. (2025). Leveraging invasive

mussel contaminant survey data for stepwise prioritization of chemicals of potential concern in the Great Lakes basin. Environmental Toxicology and Chemistry, 44(7), 2070-2087. https://doi.org/10.1093/etojnl/vgaf072.

10. Swam, L.M., Rider, M.M., Tanabe, P., & Apeti, D.A. (2025). A 2020 assessment of legacy organic contaminants on the South Atlantic coast. NOAA Technical Memorandum NOS NCCOS 358. Silver Spring, MD. 105 pp. https://repository.library.noaa.gov/view/noaa/70583.

11. Swam-Jaramillo, L.M., Rider, M.M., & Apeti, D.A. (2025). A 2019 assessment of legacy organic contaminants in the Pacific Northwest. NOAA Technical Memorandum NOS NCCOS 355. Silver Spring, MD. 73 pp. https://repository.library.noaa.gov/view/noaa/67351.

12. Swam-Jaramillo, L.M., Rider, M.M., Apeti, D.A., & Reed, L. (2025). A 2019 assessment of trace metals in the Pacific Northwest. NOAA Technical Memorandum NOS NCCOS 351. Silver Spring, MD. 73 pp. https://repository.library.noaa.gov/view/noaa/66948.

13. Swam-Jaramillo, L.M., Rider, M.M., Castillo, N.A., Apeti, D.A., & Reed, L. (2025). A 2021 Assessment of Trace Metals on the Mid-Atlantic Coast. NOAA Technical Memorandum NOS NCCOS 362. Silver Spring, MD. 90 pp. https://repository.library.noaa.gov/view/noaa/72111.

14. Swam-Jaramillo, L.M., Rider, M.M., Tanabe, P., Apeti, D.A., & Reed, L. (2025). A 2020 assessment of trace metals on the South Atlantic Coast. NOAA Technical Memorandum NOS NCCOS 356. Silver Spring, MD. 119 pp. https://repository.library.noaa.gov/view/noaa/70300.

15. Tanabe, P. Swam-Jaramillo, L.M., Rider, M.M., Apeti, D.A., & Pisarski, E.C. (2025). A 2020 assessment of contaminants of emerging concern on the South Atlantic Coast. NOAA Technical Memorandum NOS NCCOS 352. Silver Spring, MD. 65 pp. https://repository.library.noaa.gov/view/noaa/67049.

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16. Edwards, M.A., Pugh, A., Davenport, E.D., & Johnson, W.E. (2024). A Retrospective Assessment and Characterization of Per- and Polyfluoroalkyl Substances (PFASs) in the Great Lakes. NOAA Technical Memorandum NOS NCCOS 345. https://doi.org/10.25923/6x63-2422.

17. Edwards, M.A., Kimbrough, K., Fuller, N., Davenport, E., Rider, M., Freitag, A., Regan, S., Leight, A., Burkart, H., Jacob, A., & Johnson, E. (2024). An assessment and characterization of pharmaceuticals and personal care products (PPCPs) within the Great Lakes Basin: Mussel Watch Program (2013–2018). Environmental Monitoring and Assessment ,196 (345). https://doi.org/10.1007/s10661-023-12119-3.

18. Fuller, N., Kimbrough, K., Edwards, M.A., Davenport, E., Jaruga, P., Ringwood, A., & Johnson, E. (2024). Chemical Contamination and Bivalve Health in the Milwaukee Estuary: An Integrated Assessment Case Study (2017 - 2018). NOAA Technical Memorandum NOS NCCOS 330. https://doi.org/10.25923/e40y-hd78.

19. Key, P.B., Daugomah, J.W., Rider, M.M., Pisarski, E.C., Reed, L.A., Shaddrix, B.S., Chung, K.W., Wirth, E.F., & DeLorenzo, M.E. (2024). Environmental Quality Assessment of Water and Sediment at Cape Lookout National Seashore. NOAA Technical Memorandum NOS NCCOS 333. https://doi.org/10.25923/7d2b-ap19.

20. Swam, L.M., Rider, M.M., & Apeti, D.A. (2024). A 2018 assessment of legacy organic contaminants in the Southern California Bight. NOAA Technical Memorandum NOS NCCOS 343. Silver Spring, MD. 103 pp. https://repository.library.noaa.gov/view/noaa/66186.

21. Swam, L.M., Rider, M.M., & Apeti, D.A. (2024). A 2017 assessment of legacy organic contaminants in the Gulf of AMERICA. NOAA Technical Memorandum NOS NCCOS 326. Silver Spring, MD. 72 pp. https://repository.library.noaa.gov/view/noaa/56329.

22. Swam-Jaramillo, L.M., Pugh, A., Rider, M.M., Apeti, D.A., & Pisarski, E. (2024). A 2019 assessment of contaminants of emerging concern in the Pacific Northwest. NOAA Technical Memorandum NOS NCCOS 346. Silver Spring, MD. 73 pp. https://repository.library.noaa.gov/view/noaa/66652.

23. Swam, L.M., Rider, M.M., Apeti, D.A., & Reed, L. (2024). A 2018 assessment of trace metals in the Southern California Bight. NOAA Technical Memorandum NOS NCCOS 340. Silver Spring, MD. 104 pp. https://repository.library.noaa.gov/view/noaa/65614.

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25. Apeti, D.A., Rider, M.M., Mason, A.L., Leight, A.K., & Wirth, E. (2023). A 2015 assessment of legacy organic contaminants in the Chesapeake Bay, MD. NOAA Technical Memorandum NOS NCCOS 318. Silver Spring, MD. 64 pp. https://doi.org/10.25923/tept-6x98.

26. Aquilina-Beck, A., Reed, L.A., Rider, M., Burdine, W., Daugomah, J., Apeti, D., Key, P., & DeLorenzo, M. (2023). Employing molecular, chemical and physiological techniques using *Crassostrea virginica* to assess ecosystem health along coastal South Carolina and North Carolina, United States. Environmental Research, 236(2). https://doi.org/10.1016/j.envres.2023.116817.

27. Fuller, N., Kimbrough, K.L., Davenport, E., Edwards, M., & Johnson, W.E. (2023). A Comparison of dreissenid mussels and passive samplers as monitors of contaminants of emerging concern and polycyclic aromatic hydrocarbons in the Great Lakes. NOAA Technical Memorandum NOS NCCOS 317. https://doi.org/10.25923/kk5w-3r94.

28. Fuller, N., Kimbrough, K.L., Davenport, E., Edwards, M.E., Jacob, A., Chandramouli, B., & Johnson, W.E. (2023). Contaminants of concern and spatiotemporal metabolomic changes in Quagga mussels (*Dreissena bugensis rostriformis*) from the Milwaukee Estuary (Wisconsin, USA). Environmental Toxicology and Chemistry, 43(2), 307–323. https://doi.org/10.1002/etc.5776.

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30. Swam, L.M., Apeti, D.A., Rider, M.M., Jones, S., & Reed, L. (2023). A 2015/2016 assessment of legacy organic contaminants and trace metals in the Gulf of Maine. NOAA Technical Memorandum NOS NCCOS 319. Silver Spring, MD. 116 pp. https://repository.library.noaa.gov/view/noaa/52110.

31. Swam, L.M., Rider, M.M., Apeti, D.A., & Pisarski, E. (2023). A 2017 assessment of contaminants of emerging concern in the Gulf of Mexico. NOAA Technical Memorandum NOS NCCOS 323. Silver Spring, MD. 70 pp. https://repository.library.noaa.gov/view/noaa/56181.

32. Yeardley, R., Duffy, B., Kimbrough, K., Lazorchak, J., Mills, M.A., & Johnson, E. (2023). A Comparison of two macroinvertebrate multi-plate sampling methods to inform Great Lakes monitoring and remediation efforts. Journal of Environmental Protection, 14, 933-953. https://doi.org/10.4236/jep.2023.1412052.

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33. Warner, R., Apeti, D.A., Rider, M., Hartwell, I., Arzayus, F., & Swam, L. (2022). National Status and Trends, Mussel Watch Program: An assessment and comparison of chemical contaminants in surficial sediments from Hudson-Raritan Estuary from 1991 and 2018. NOAA Technical Memorandum NOS NCCOS 315. Silver Spring, MD. 45 pp. https://doi.org/10.25923/dee6-pz25.

34. Dampier, J.M., Apeti, D.A., Rider, M.M., & Reed, L. (2022). A 2017 assessment of metals in the Gulf of AMERICA. NOAA Technical Memorandum NOS NCCOS 314. Silver Spring, MD. 50 pp. https://repository.library.noaa.gov/view/noaa/48947.

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41. Rider, M.M., Apeti, D.A., Jacob, A.P., Kimbrough, K.L., Davenport, E.D., Bower, M., Coletti, H.A., & Esler, D. (2020). A synthesis of ten years of chemical contaminant monitoring data in National Park Service - Southeast and Southwest Alaska Networks. NOAA Technical Memorandum NOS NCCOS 277. Silver Spring, MD. 110 pp. https://doi.org/10.25923/dbyq-7z17.

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