

Current STAC Member Expertise September 2022

| Expertise | Expertise Description | STAC Member | Affiliation | Term Expires | Notes |
|-----------------------------|---|-------------------------|--|----------------------------------|--|
| Economics | Environmental and Natural Resource Economics | Scott Knoche | Morgan State | 1st, Mar 2026 | Nominated by Tom Itoe |
| | Environmental economics | Leonard Shalman | Resources for the Future | 1st, Sep 2023 | |
| Environmental Data Analysis | Valuation of ecosystem services and environmental policy design | Catherine Kling (Cathy) | Cornell | 1st, Mar 2026 | Nominated by Kurt Stephenson |
| | Bayesian and frequentist expertise, decision science, environmental policy decisions | Michael Runge | USGS (PAX) | 1st, December 2022 | Federal appointee |
| Estuarine | water/ecosystem policy, evaluate and assess statistical models, monitoring design/strategies, risk/uncertain | Eric Smith | VT | 1st, Mar 2023 | |
| | Decision scientist with economic, social, and behavioral research | David Martin | The Nature Conservancy | 1st, Mar 2026 | |
| | Marine biology | Bill Dennison | UMCES-IVAN | Ongoing | MD gubernatorial appointee |
| | Empirical research, model development, and multidisciplinary integration | Jani Kosman | USGS | 1st, Mar 2026 | |
| | Nutrient enrichment and pollution controls, Urban Pollution Control and Treatment | Elsuri Oghenekaro | DOEE | 1st, Mar 2026 | |
| | Ocean science education (COSEE), communicating ocean science to informal audiences (COSIA), zooplankton research | Deidre Gibson | VIMS | 1st, Sep 2023 | Federal appointee |
| | Estuarine ecology and habitat mapping | Mark Monaco | NCEM | 2nd, Dec 2023 | |
| | Mathematical modeling of fisheries populations and food web dynamics | Kenny Rose | UMCES-HPL | 1st, Dec 2022 | |
| | Estuarine hydrodynamic/biogeochemical/ecosystem modeling | Larry Sanford | UMCES-HPL | 1st, Dec 2022 | |
| | Estuarine research, environmental justice, urban and wastewater treatment activities | Oselo Ferrera | George Mason University | 1st, Mar 2026 | |
| Social Science | coastal marine ecology, eutrophication, nutrient cycling, DO dynamics | Jeremy Testa | UMCES-CBL | 1st, Sept 2023 | |
| | Ecosystem management/marine ecology | Leah Palm-Forster | Univ. of Delaware | 1st, Sep 2023 | |
| Toxic Contaminants and CECs | Human geographer - environmental justice, environmental governance, and intersectorality | Eben Kohl | SI, Mary's | 1st, Mar 2026 | |
| | DEJ in STEM; Marine biology and biochemistry | Brandon Jones | NSF | 1st, Dec 2025 | |
| | Environmental and natural resource law | Lara Fowler | PSU | Sep-22 | VA gubernatorial appointee |
| | Policy and technical issues in water quality programs | Ellen Gilinsky | Ongoing | | |
| | Fate and transport of emerging contaminants in natural and engineered systems | Lee Blaney | UMBC | 1st, Dec 2022 | |
| | Environmental/wastewater engineering, fate and transport of emerging contaminants in natural and engineered systems | Jay Stauffer | PSU | 1st, Sep 2023 | |
| | Stormwater quality, grant funding, and public outreach | Erin Letavic | HRG inc | Ongoing | DC Mayoral appointee |
| | Environmental policy/stream and wetland restoration/WWT/ps | Hamed Karimi | DOEE | Ongoing | NY gubernatorial appointee, alternate is Katherine Bunting-Howarth |
| | Ecosystem ecology/urban ecosystems/restoration ecology/wetland plants | Wenjing Zhu | Binghamton U | Ongoing | PA Gub Appointee |
| | Impact of stormwater runoff on the physical, chemical and biological quality of surface water bodies | Shirley Clark | PSU | Ongoing | |
| Watershed | Urban hydrology/fluvial geomorphology | Andrew Miller | UMBC | 2nd, Executive Service, Sep 2023 | Current Chair |
| | Ground- and surface-water monitoring/watershed modeling/wetland function | Kathleen Boomer | FFAR - Foundation for Food as Through Exec. Service, Sept 2025 | | Current Vice Chair |
| | Hyporheic exchange processes and factors controlling water temperature | Ben Hayes | Bucknell University | Ongoing | PA Gub alternate |
| | Stream/wetland restoration | Tess Wynn Thompson | VT | 1st, Sep 2021 | Federal appointee |
| | Climate change/watershed management | Tom Johnson | EPA | 1st, Dec 2021 | |
| | Hydrology/watershed modeling | Zachary Easton | VT | 2nd, Mar 2023 | |
| | Freshwater wetlands ecology | Dence Wardrop | PSU | Ongoing | Exec. Secretary |
| | Wetlands ecology/natural resource law and policy | Jesse Hubbard | WVU | Ongoing | WV gubernatorial appointee, alternate is Ellicott Keltner (WVU) |
| | Effects of sea-level rise and flooding on tidal wetland morphology and ecology | Kirk Havens | VIMS | Ongoing | VA gubernatorial appointee, Past Chair |
| | Wetlands ecology/natural resource law and policy | Greg Nee | USGS | 1st Dec. 2022 | Federal appointee |
| Agriculture | effects of agricultural management, landscape factors and soil characteristics on nutrient fate and transport | Jedrych Buda | USDA-ARS | 1st, Dec 2022 | Federal appointee |
| | Soil nutrient and water quality science, nutrient management programs | Christopher Brosch | Del Dept of Ag | Ongoing | DE gubernatorial appointee |
| | Soil chemistry, soil science, soil conservation | Craig Derynky | UMD | Ongoing | MD gubernatorial appointee, alternate is Adel Sharmohammad |
| | Soil conservation, resource planning and management | Leon Timan | USDA-NRCS | 1st, Sep 2025 | Federal appointee |