



VISION

Basin communities anticipate and enable change for long-term ecosystem health and sustainable economic development

MISSION

Develop and share science-based knowledge to benefit the environment and economies of the Lake Champlain basin

AUTHORIZING LEGISLATION

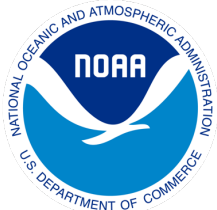
National Sea Grant College Program Amendments Act of 2008 (Public Law No: 110-394)

ANNUAL BASE FUNDING

2022–2023: \$1,276,088 NOAA;
>\$638,000 Partners

2024–2027: \$1,497,517 NOAA;
>\$748,748 Partners

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SCIENCE THAT INFORMS

Lake Champlain Sea Grant harnesses federal and local partner support to create and synthesize environmental and economic knowledge and extend learning to schools, workplaces, and public spaces.



Lake Champlain Sea Grant collaborates with 300+ partners, including state and local government agencies, businesses, professional associations, nonprofit organizations, local groups, K-12 schools, and universities.



Lake Champlain Sea Grant supports research on topics deemed strategic by our advisory committee and most useful by research-users. We fund about 5 research projects and 2 partnered fellowships per year.



Lake Champlain Sea Grant hosts or participates in 100+ outreach events annually, directly reaching 15,000+ people that live and work in the basin. We reach 51,000+ people through trainings, presentations, video series, seminars, podcasts, and local television.



Lake Champlain Sea Grant annually educates 2,000+ K–12 students and trains 75+ teachers about water quality, watershed health, and human actions' impact on ecosystems. We mentor or support 35+ undergrad and grad students in research, outreach, or education.

Lake Champlain Sea Grant is hosted by the University of Vermont Rubenstein School of Environment and Natural Resources and managed in collaboration with UVM Extension and the Lake Champlain Research Institute at the State University of New York at Plattsburgh.





Lake Champlain Sea Grant activities provided over \$23 million of economic benefit to the Lake Champlain basin in 2022.

These benefits arise from accredited workshops for real estate professionals, teacher education that meets relicensure requirements, professional development for stormwater and forestry practitioners, and more.

Research provides decision-makers and others with information that will contribute to long-term ecosystem health and sustainable development. Current research projects aim to:

- Evaluate exposure to contaminants and the nutritional value of Lake Champlain fish consumption
- Increase environmental literacy among under-represented students
- Utilize ecology and traditional knowledge to understand cyanobacteria
- Examine and inform best management practices for shoreline restoration in the Adirondacks
- Evaluate the impact invasive alewife have in Lake Champlain



Lake Champlain Sea Grant engages with basin residents, professionals, and community and government leaders to provide evidence-based information about:

- Cyanobacteria bloom identification, safety, and mitigation
- Flood resiliency and shoreline protection
- Forests, lakes, and water quality
- Green infrastructure and stormwater management
- Hazardous materials spill prevention and response
- Aquaculture and aquaponics opportunities
- Fishing education workshops for new Americans
- Road salt use and application to prevent pollution

Lake Champlain Sea Grant's Watershed Alliance education program connects K–12 teachers and their students with real-world challenges and engages students in hands-on, place-based field science and stewardship.

Our education program is a bridge between research and communities, where classroom teachers, professional environmental educators, undergraduate intern teachers, and students immerse themselves in local ecosystems as a learning and inquiry space.

