

Intro:

The [Lake Champlain Basin Program](#), [Lake Champlain Sea Grant](#), and the [Lake Champlain Research Consortium](#) are pleased to announce the next Lake Champlain Research Conference, to be held May 23-24 at the Hilton Burlington Lake Champlain. The conference will bring together lake and watershed stakeholders, including researchers, management practitioners, and the public, to learn about the state of research on Lake Champlain and to commemorate the 50th anniversary of the Clean Water Act. The conference will feature participation and research from New York, Vermont, Québec, and beyond, providing an opportunity for discussion, networking, and collaboration across Lake Champlain's multi-jurisdictional watershed.

We are currently accepting abstracts for oral presentations and poster sessions. Please see below for the full list of sessions. Oral presentations will be between 10-20 minutes long; posters will be displayed during the conference and an hour-long timeslot will be dedicated for poster presentations. The conference organizers will follow up with presenters to confirm presentation length, date, and time after the call for abstracts closes.

Any questions about the sessions or the conference in general can be directed to ljenness@lcbp.org. If you have an idea for an abstract but are unsure which session category it falls under, please choose the most applicable category or contact ljenness@lcbp.org for additional guidance.

Sessions:

Sessions 1-6 cover research topics by land-use type. Session abstracts and/or poster submissions may include information on advances in non-point source nutrient loading reduction, monitoring, tracking, reporting, communication, education and outreach, investments, and new tools and technologies that inform management decisions. Abstracts and/or poster submissions may also feature nature-based solutions, best management practice efficiencies, habitat restoration, invasive species, climate change, and community resiliency efforts.

1. Agricultural Land

- Example abstract topic ideas include but are not limited to: subsurface tile drainage research, farmer cost-sharing programs, and efforts to address food insecurity/food deserts.

2. Municipalities/Developed Lands

- Example abstract topic ideas include but are not limited to: street sweeping/catch basin cleaning phosphorus credits, nature-based solutions & green infrastructure, managing artificial municipal drains, and green stormwater infrastructure property assessments.

3. Streams, Rivers, & Floodplains

- Example abstract topic ideas include but are not limited to: Flooding mobility and resiliency, riparian restoration, river corridors, invasive species, eDNA,

hydro/geomorphology, aquatic connectivity, and stream/river property assessments.

4. Lakes, Ponds, & Shorelines

- Example abstract topic ideas include but are not limited to: management, invasive species, water quality testing, water quality trends, public access, native species protection/restoration, Lake Wise Program, Natural Shoreland Erosion Control Certification, boating, paleolimnology, ecological indicators.

5. Wetlands

- Example abstract topic ideas include but are not limited to: invasive species, habitat restoration, threatened and endangered species, wetland function and value, mapping wetlands, management.

6. Forests

- Example abstract topic ideas include but are not limited to: forest resiliency, invasive species, threatened and endangered species, best management practices, conservation.

Sessions 7 -11 cover special research and informational topics:

7. Under the (Lake Champlain) Sea

- Example abstract topic ideas include but are not limited to: shipwrecks and underwater historic preserves, brook trout and Atlantic salmon, in-lake aquatic invasive species, food web studies, geological studies, paleontological studies.

8. Cyanobacteria Blooms

- Example abstract topic ideas include but are not limited to: monitoring, public engagement, impacts to health and/or recreation, toxins, modeling.

9. Contaminants of Emerging Concern

- Example abstract topic ideas include but are not limited to: PFAS, road salt, tools/technologies, microplastics, pesticides, pharmaceuticals.

10. Aquatic Invasive Species

- Example abstract topic ideas include but are not limited to: spread prevention, removal and management work, stewardship and education and outreach programming, assessment, mapping and analysis, eDNA, early detection, vector analysis including canalways.

11. Community Action and Social Engagement for Watershed Protection & Resilience

- Example abstract topics ideas include but are not limited to: environmental justice, behavioral change studies, social acceptability work, social network analysis, public awareness surveys.

Sessions 12-14 cover educational programming, research and informational topics:

12. Watershed Education for Students/Teachers

- Example abstract topic ideas include but are not limited to: Giant Lake Champlain Map Project, Watershed Alliance, stream monitoring, watershed science career development, integration of interdisciplinary watershed science curricula

13. Watershed Education for the Public

- Example abstract topic ideas include but are not limited to: community science, public programs, exhibits, increasing public knowledge and appreciation of ecosystem services, interpretive tours

14. Converge: Art, Community, and Science

- Example abstract topic ideas include but are not limited to: World water Day, student art, enhancing science communication through art, different ways of knowing, indigenous people and perspectives

Sessions 15-17 cover cultural heritage research and informational topics:

15. Temperance, Prohibition and Smuggling

- Example abstract topic ideas include but are not limited to: corridor of illicit commerce, history and impact of prohibition in the Champlain Valley, temperance and morality in rural society, legacy of the 18th amendment

16. Celebrating the 50th Anniversary of the Clean Water Act

- Example abstract topic ideas include but are not limited to: history and progress of the Clean Water Act, watershed stewardship, cultural and ceremonial value of clean water. (Expected to be held as a panel).

17. Celebrating the 250th Anniversary of the American Revolution

- Example abstract topic ideas include but are not limited to: Champlain Valley's role in independence, Battle of Valcour Island, Battle of Bennington, boat-building industry on Lake Champlain, Indigenous people in the revolution, women's revolutionary roles