

# FY2023 REPORT OF ACTIVITIES SUMMARY



## YEAR IN REVIEW

Record rainfall and flooding in July 2023 were a stark reminder of the water quality and ecosystem health challenges we continue to face in the Lake Champlain Basin.

We are pleased to help support the research, identify the most impactful projects, and provide the funding to help implement work needed to meet these challenges.

In FY2023, we began to bolster our regular offerings of implementation grants with grants

supported by the Bipartisan Infrastructure Law. These projects will provide trees to stabilize eroded riverbanks, protect infrastructure while restoring fish passage on our streams, and prevent the spread of aquatic invasive species.

July's storms demonstrated the value of science and informed decision-making. The network of long-term water quality monitoring stations and sophisticated new buoys that provide real-time data are critical in meeting the challenges ahead.

## CLEAN WATER

### by the numbers

- 12** Clean Water implementation and planning grants awarded
- \$1.8M** Clean Water research grant funds awarded
- 30** quality assurance plans to ensure reliable data collection
- 4** monitoring buoys collecting real-time, high frequency data
- 15** stations on Lake to monitor water quality
- 22** stations on tributaries to measure pollutant loads

### highlights

- 💧 **Conducted analyses** of flow conditions and pollutant loading during 2023 flood events.
- 💧 Coordinated the work of the **Technical Advisory Committee**, which provides guidance on research and funding priorities.
- 💧 Published quarterly **Science Blog** posts to communicate project results to partners and the research community.
- 💧 Conducted and presented results of **modeling** of tributary phosphorus loading.

## HEALTHY ECOSYSTEMS

### by the numbers

- 28** Healthy Ecosystems implementation grants awarded
- \$1.4M** Healthy Ecosystems implementation grants funds awarded
- 27** miles of Saranac River made passable with dam removals
- 894** invasive species intercepted by boat launch stewards
- 0** known introductions of invasive species to Lake since 2019
- 290** acres of land conserved on Boquet River after benefit analysis

### highlights

- 🐟 Coordinated and participated in Vermont and New York **dam task forces** in efforts to increase river habitat connectivity.
- 🐟 Inspected 16,832 watercraft and intercepted invasive species 894 times.
- 🐟 Served in **leadership positions** with national and regional AIS management organizations and committees.
- 🐟 Worked with mangement partners to develop phase 2 scope of work for the **Champlain Canal AIS barrier** study.
- 🐟 Coordinated **round goby** early detection, monitoring, and mitigation measures for the Champlain and Chambly Canals.

THRIVING COMMUNITIES

by the numbers

- 12** Organizational support grants awarded
- \$193,211** Organizational Support grant funds awarded
- 54** partners engaged with CVNHP in protecting cultural heritage
- 18** Citizen Advisory Committee meetings held
- 185** disadvantaged community fishing workshop participants
- 18** wayside exhibits developed

highlights

- Commemorated the 200th anniversary of the Champlain Canal with new traveling **interpretive exhibits**.
- Welcomed 85 participants to the 14th annual **CVNHP International Summit**.
- Developed **DEI Strategic Plan** and Communities with Disadvantages definition to guide funding decisions.
- Developed three new **artist-in-residence** programs to interpret water science and stewardship.
- Developed **CABN traveling exhibit** "Lake Champlain, the Biosphere, and the World".

INFORMED PUBLIC

by the numbers

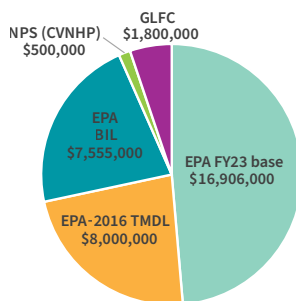
- 34** Education & Outreach implementation grants awarded
- \$886,753** Education & Outreach implementation grant funds awarded
- 33,106** visitors to the LCBP Resource Room at ECHO
- 1,500** students reached in education programs
- 47** Stream Wise awards to local property owners
- 35,566** Individuals greeted by boat launch stewards

highlights

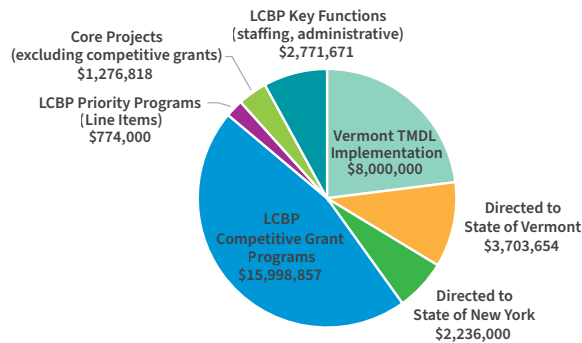
- Welcomed 200 students at **Youth Clean Water Summit** to learn about lake science in Burlington, VT.
- Hosted **World Water Day** with 20 partners and hundreds of visitors to Champlain Centre Mall in New York.
- Helped 70 high school students explore the Basin and career opportunities as part of **Upward Bound** programs.
- Trained members on lake protection topics at **Vermont Boat and Marine Association** workshop.
- Launched **Meet the Scientist** videos to highlight Lake Champlain researchers.

FUNDING & INVESTMENTS

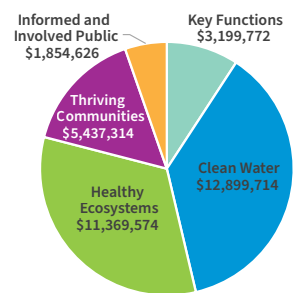
Federal Appropriations



Funds Distribution



Budget Allocations



Total FY2023 LCBP Budget: \$34,761,000