



**Lake Iroquois
Association**

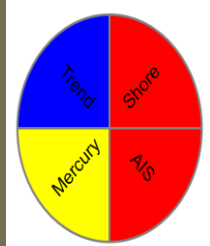


2021 UPDATE

Highly Significant Decrease in Phosphorus Levels Continues

IROQUOIS - data through 2020

[Learn How Lakes Are Scored](#)



Lake Area:
247 acres

Basin Lake Area Ratio:
10

Max Depth:
11.3 meters

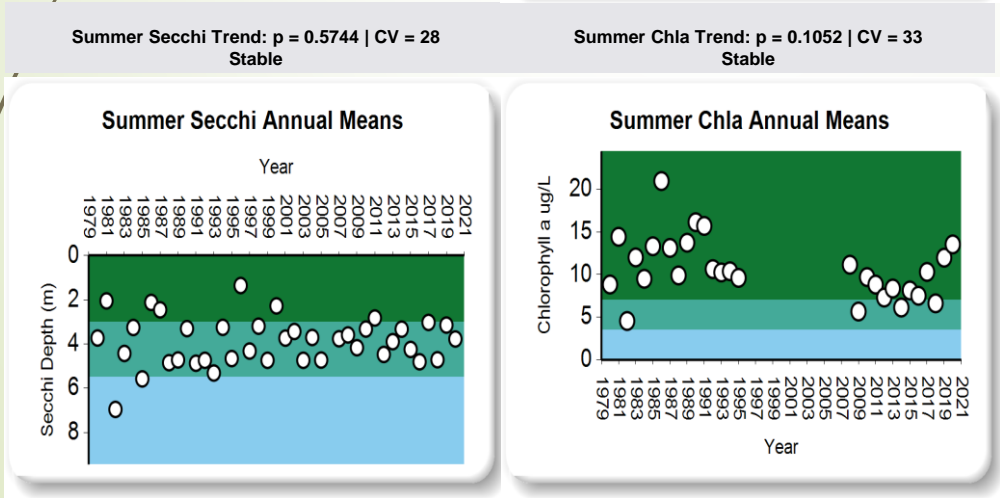
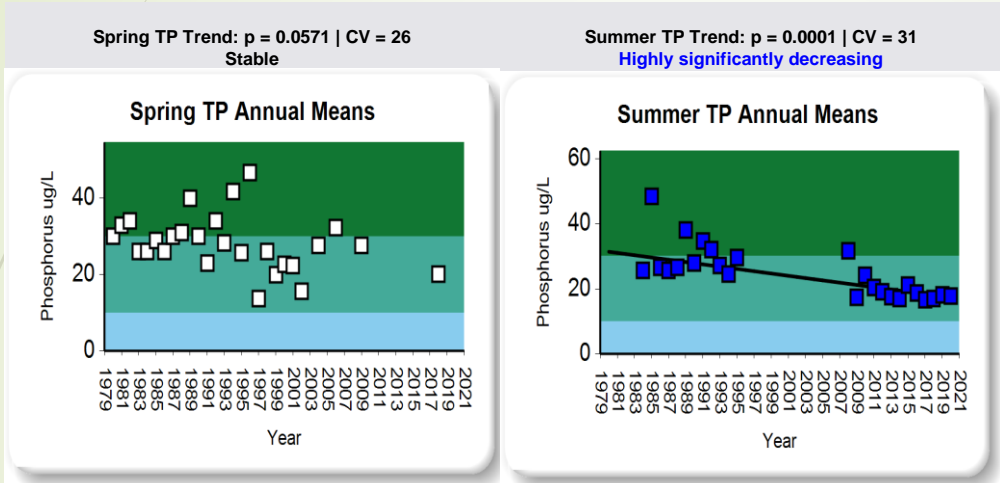
Mean Spring TP:
28.2 ug/L

Mean Summer TP:
25 ug/L

Mean Summer Chla:
10.7 ug/L

Mean Summer Secchi:
3.8 meters

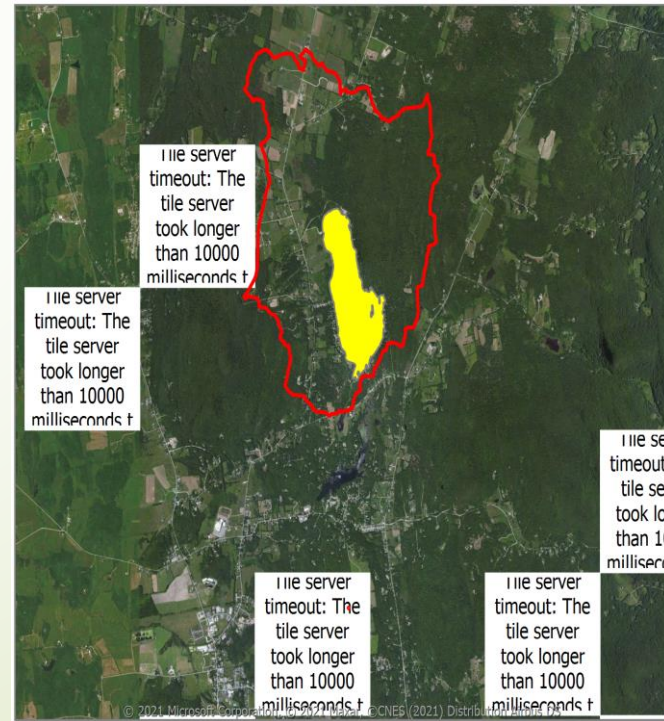
Hypereutrophic
Eutrophic
Mesotrophic
Oligotrophic



Trend Score: **Good**

WQ Standards Status: **Stressed**

Watershed Score: **Highly Disturbed**



Stresses / Impairments

Stressed -- Phosphorus

HIGHLIGHTS

- **Co-awardee of a Lake Champlain Basin Program Watershed Action Plan grant**
 - **Winooski Natural Resources Conservation District & Lewis Creek Association**
 - **Purpose is to assess problem areas and develop project sheets identifying corrective action**
- **Completed 1st edition of a lake wide management plan**
- **Worked with Lake Iroquois Recreation District to apply for an implementation grant to address Beebe Lane stormwater issues**

AQUATIC INVASIVES MANAGEMENT

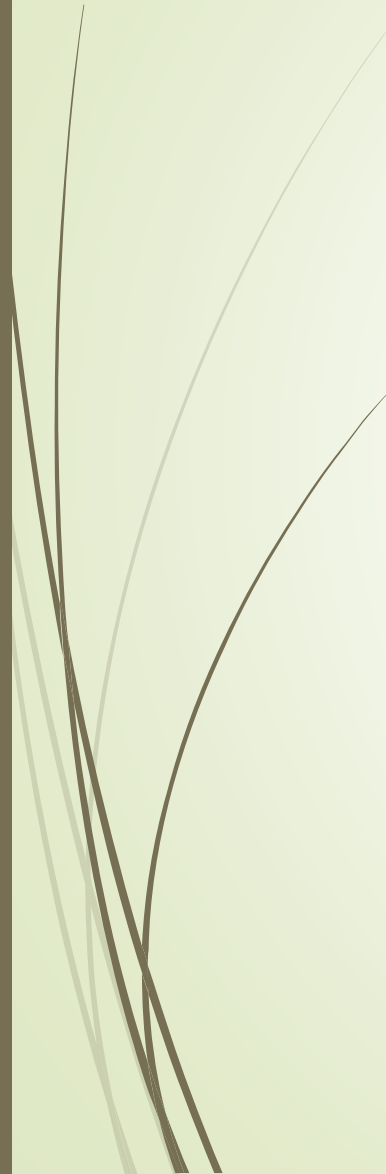
- **Eurasian Watermilfoil**
 - Solitude applied aquatic herbicide June 28th
 - Treated 40% of impacted area
 - Below detectable limit within 48 hours
- **Deployed channel markers to maintain clear boat channel**
- **Diver-Assisted Suction Harvesting (DASH)**
 - None performed this year
- **Benthic Mats**
 - None emplaced this year



**Summer
2018**



**Summer
2021**



GREETER & BOAT WASH PROGRAM

- **Program supported by an Aquatic Nuisance Control grant from the VT DEC, membership dues and donations, water supplied by the Hinesburg Fire Department, and volunteer hours from LIA members**
- **Considered a model by VT DEC for other lakes in the state - successfully operated for over 11 years**
- **Objectives**
 - **Prevent aquatic invasive species from entering or leaving the lake**
 - **Education of water vessel users verbally and through distribution of educational pamphlets on invasive species**
- **2019: 800+ watercraft inspected**
- **2020: 1608 watercraft inspected – more than double the number from previous year**
- **2021: 1486 watercraft inspected**

DATA COLLECTION

- ▶ **Lake Iroquois tributary sampling**
 - ▶ Supported by the LaRosa Partnership Program Grant
 - ▶ Sampled 10 tributaries lake-wide; down from 24 in 2019
 - ▶ Funding is flat relative to expanding number of partners

- ▶ **Aquatic Plant Survey completed September 13th**
 - ▶ Previous surveys: <https://www.lakeiroquois.org/water/plant-surveys>
 - ▶ No milfoil detected
 - ▶ Curly-leaf pondweed (*Potamogeton crispus*) only invasive found; Lake Champlain has 51 by comparison

CONSERVATION

- **Loon Restoration Project**
- **Managed by Erick Hansen of the Vermont Center for Ecostudies**
- **Former LIA Board member records loon activity with Lake resident participation for submittal**
- **LIA Board member Jack Linn worked with Chip Wright to set up and maintain loon nesting platform and signs warning of loon nesting activity**

OUTREACH & EDUCATION

➤ LIA Newsletter

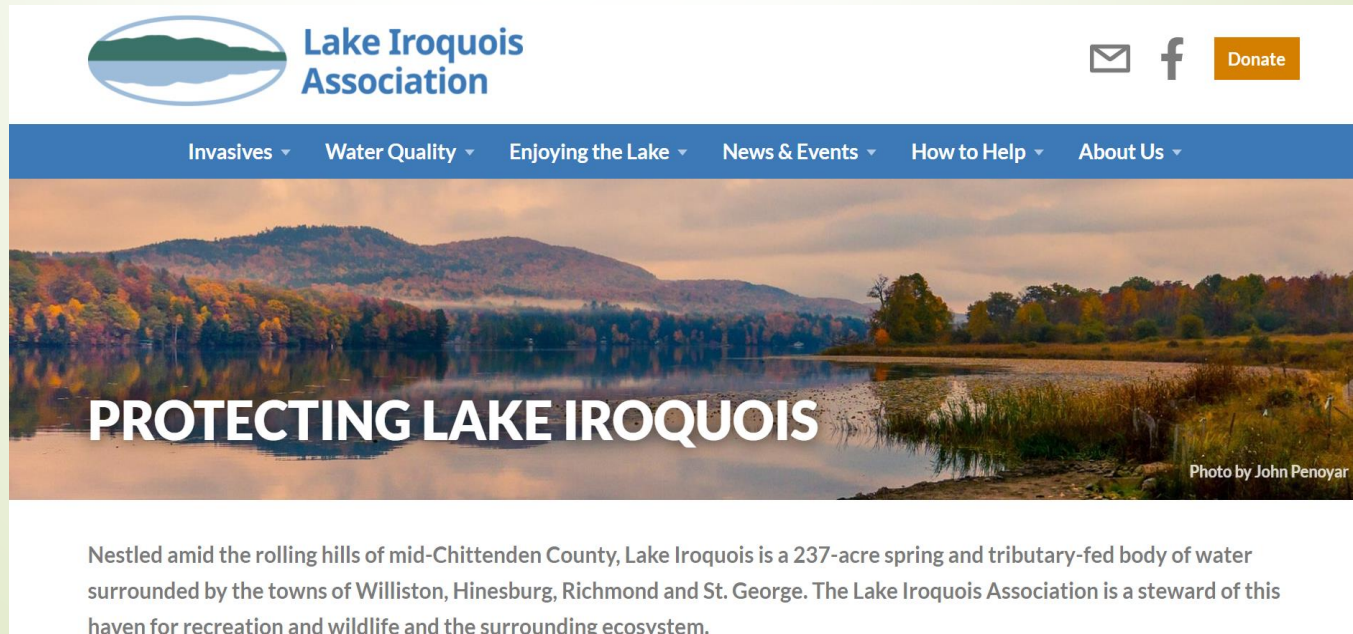
Available at: <https://www.lakeiroquois.org/news/newsletters>

➤ 2021 edition of the Lake Shore Property Owner's Manual

Available at:

<https://www.lakeiroquois.org/water/shoreline-health>

➤ Website:



The screenshot shows the homepage of the Lake Iroquois Association. At the top left is the logo, which consists of a stylized lake and hills within an oval, followed by the text "Lake Iroquois Association". To the right of the logo are icons for an email subscription and Facebook, along with a yellow "Donate" button. Below the header is a blue navigation bar with the following menu items: "Invasives", "Water Quality", "Enjoying the Lake", "News & Events", "How to Help", and "About Us". The main content area features a large photograph of a lake at sunset or sunrise, with mountains in the background and trees with autumn foliage. Overlaid on the bottom of the photograph is the text "PROTECTING LAKE IROQUOIS" in large, white, bold, sans-serif capital letters. In the bottom right corner of the photograph, there is a small credit: "Photo by John Penoyar". Below the photograph is a paragraph of text: "Nestled amid the rolling hills of mid-Chittenden County, Lake Iroquois is a 237-acre spring and tributary-fed body of water surrounded by the towns of Williston, Hinesburg, Richmond and St. George. The Lake Iroquois Association is a steward of this haven for recreation and wildlife and the surrounding ecosystem."

ICE-OUT CHALLENGE

- **Held 1st Annual Ice-Out Contest January-March 2021**
 - **Participants guess the date and time when a concrete block will break through the ice on Lake Iroquois, Vermont, with a chance to win 50% of the pot**
 - **2,262 tickets sold; hope was to sell 1,000 in first year so considered a success**
 - **Purpose is to elevate awareness of Lake Iroquois and create a means to incrementally fund shoreline protection efforts**
 - **Directs organizational earnings towards incentivizing participation in the Lake Wise Program – goal is to achieve Lake Wise Gold status**

Tickets go on sale Jan. 1, 2022!

“Lake Iroquois from the South”



Photo courtesy of Hinesburg Historical Society