

AIS Early Detection Monitoring and Water Quality Monitoring

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Goal: Each summer, the Oneida County AIS Team conducts lake monitoring (AIS early detection monitoring and water quality monitoring) on a minimum of 15 lakes. Lake selection is based on various factors such as:

- Lakes we have never visited
- Lakes with no water quality data
- Uninfested lakes with busy boat landings where boaters often arrive from lakes invaded with a high priority AIS
- Uninfested lakes within 15 miles of a lake infested with a high priority AIS
- Suspected new AIS
- Concerns with the water quality
- Lakes adjacent to public land
- Requests from lake groups, citizens, and the DNR
- Lakes with no lake group and/or Citizen Lake Monitoring Network volunteers

2014 – 2023 Lake Monitoring Data

153 lakes monitored for AIS and water quality

30 lakes monitored multiple years

430.41 miles of shoreline monitored for AIS (not including distance to the deep hole to obtain water quality data)

413.41 miles of shoreline monitored from the canoe

17 miles of shoreline monitored from a motor boat

150 Secchi Disc readings obtained

147 water quality samples obtained

17 AIS program staff

AIS Early Detection Monitoring Results

49 new AIS occurrences (some lakes had multiple new AIS)

39 lakes had a new AIS

114 lakes did not have new AIS

New AIS Occurrences

- **Aquatic forget-me-not:** Bass (Boom Lake Chain), Crescent, East Horsehead, George, Snowden, Two Sisters, & West Horsehead
- **Banded mystery snail:** Alva Lake
- **Chinese mystery snail:** Alva, Birch, Bolger, Eagle River, Mud, Pier, Shepard, Sunday, Sunset, Turtle, & Willow Lake
- **Eurasian watermilfoil:** Bass (Boom Lake Chain), Hasbrook, Lower Kaubashine, Madeline, Mud
- **Glyceria maxima variegated:** Sureshot
- **Narrow-leaved cattail:** Snowden

- **Purple loosestrife:** Amber, Bass, Booth, Buffalo, Clawson, Echo, Hasbrook, Hemlock, Hodstradt, Little Tomahawk, McNaughton, Spur, Sureshot, Sweeny & Two Lake North
- **Rusty crayfish:** East Horsehead
- **Yellow iris:** Bear, Crystal, Island, Pier, Sunset & Sureshot

AIS Not Detected during Lake Monitoring

Asian clams, Brazilian waterweed, Brittle naiad, Curly-leaf pondweed, European frog-bit, Faucet snail, Flowering rush, Japanese knotweed, New Zealand mudsnail, Non-native Phragmites, Quagga mussel, Spiny waterflea, Starry stonewort, Water chestnut, Water hyacinth, Water lettuce, Yellow floating heart, & Zebra mussel.

2024 Lake Monitoring List:

	Lake	Acres	Miles of shoreline
1	Amber Lake	736	9
2	Burrows Lake	149	2.4
3	Carrol Lake	330	4.5
4	Hodstradt Lake	119	2.5
5	Jennie Weber Lake	237	2.9
6	Julia Lake (in Three Lakes)	404	6
7	Katherine Lake	524	8.7
8	Killarney Lake	293	7
9	Muskellunge Lake	287	4
10	Pickerel Lake	581	8.36
11	Sevenmile Lake	518	5.15
12	Sugar Camp Lake	519	5.25
13	Sweeny Lake	191	3.03
14	Two Sisters Lake	719	7.75
15	Upper Post Lake	765	7
	Total	6372	83.54