

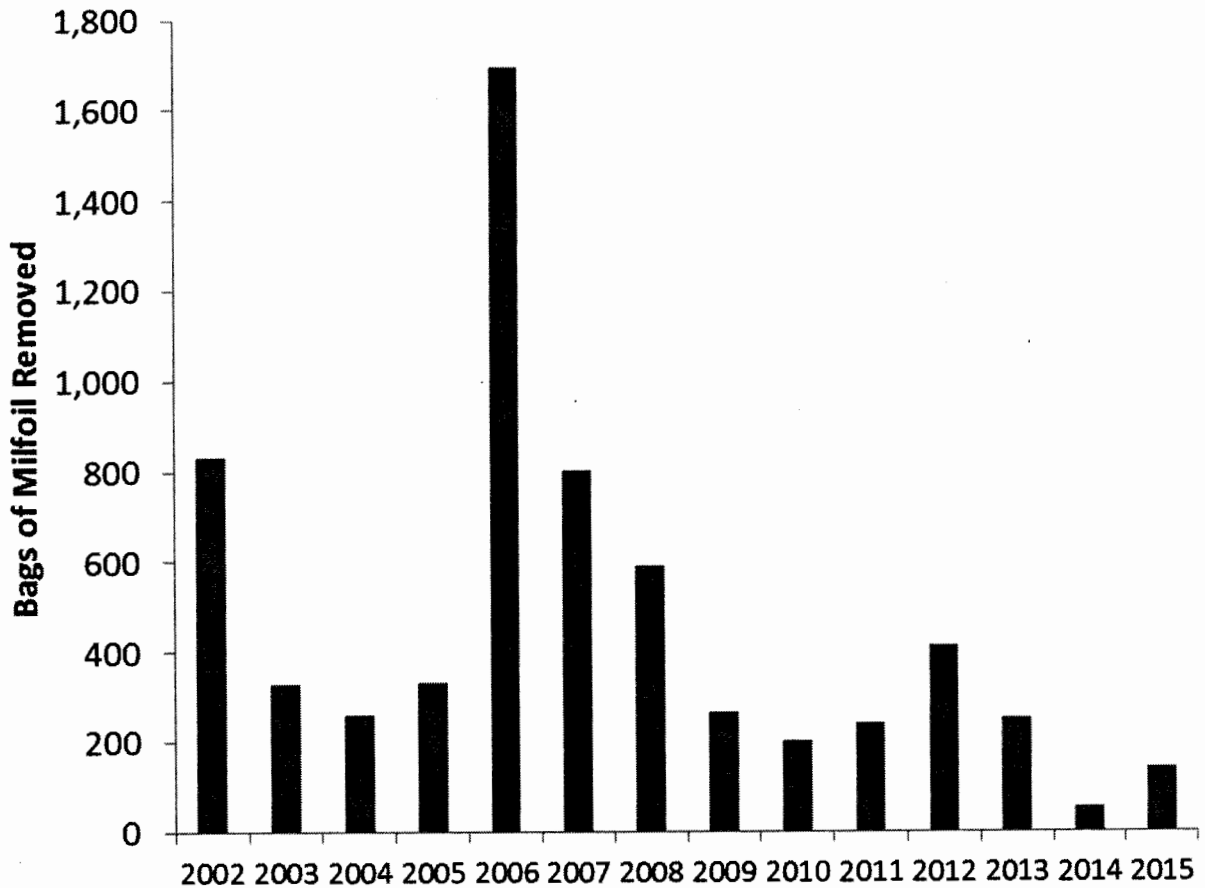
Lake Colby Updates

Milfoil Control

2015 Control Activity

- Week 1 (June 8 – 11)
 - Located and moved 20 mats in Trestle bay (mats in poor condition & required major repairs)
 - Hand harvested 8 bags in West Bay (small plants)
- Week 2 (August 3 – 6)
 - Full lake survey to assess conditions, main areas to focus were Trestle and West Bay plus small abundant patch near Keet property
 - Removed 51 bags from Trestle Bay and 91 bags from West Bay
- Week 3 (end of August/early September)
 - Harvest small patch near Keet property and full shoreline swim

Milfoil Removal by Year



Lake Colby Updates

Water Quality

- 12 years of monitoring through the Adirondack Lake Assessment Program
- Trophic indicators (transparency, total P, & Chlorophyll-a) are relatively stable over time
 - Transparency is greater than 72% of lakes in ALAP (74 lakes)
- Trophic indicators suggest a moderately productive lake (mesotrophic – oligotrophic)
 - Two-thirds of the lakes in ALAP are moderately productive
- Lake pH is circumneutral and is relatively stable over time
 - pH is greater than 70% of lakes in ALAP
- Lake has high salt concentrations (sodium & chloride) from road salting in watershed
 - Salt concentrations are the highest in ALAP
- Lake has calcium concentrations in the range to support Zebra mussels
 - Calcium concentrations are greater than 90% of the lakes in ALAP

2014 Water Quality Indicators and Long-Term Trends*:

Indicator	Avg.	Trend	Indicator	Avg.	Trend
Transparency (m)	4.7	no trend	Alkalinity (mg/L)	27.5	no trend
Total P (µg/L)	5.8	no trend	Nitrate (µg/L)	5.9	na
Chlorophyll-a (µg/L)	1.8	no trend	Chloride (mg/L)	43.8	no trend
Laboratory pH	6.9	no trend	Calcium (mg/L)	11.0	na
Conductance (µS/cm)	194.4	no trend	Sodium (mg/L)	22.9	na
Color (Pt-Co)	9.2	no trend			

*Long term trends are only shown for indicators with more than five years of data.