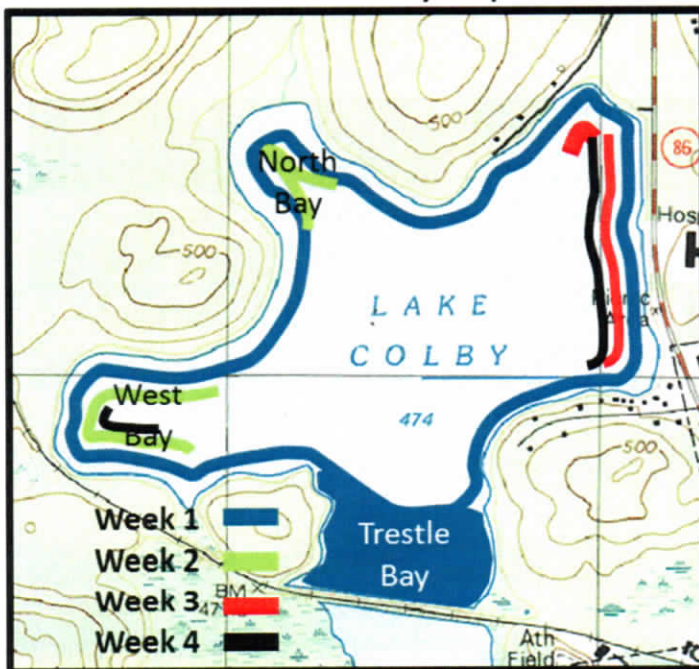


## Milfoil Control

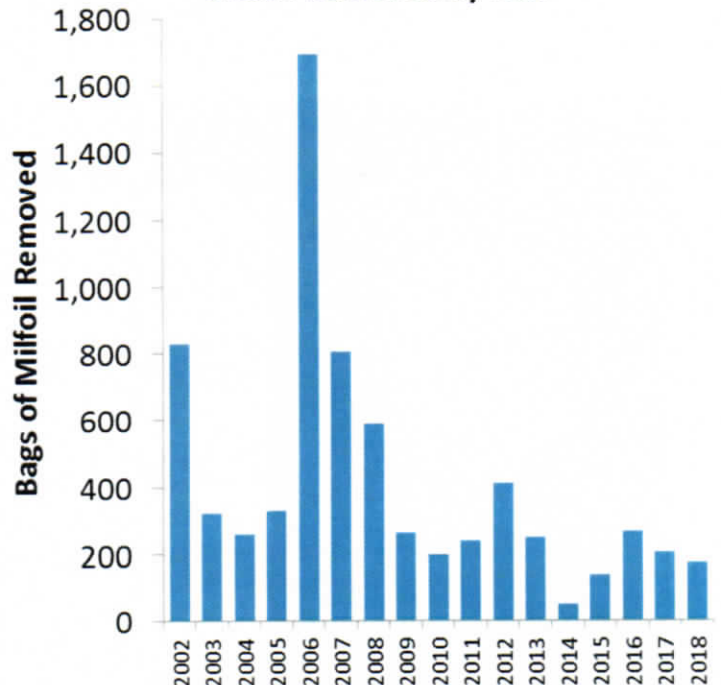
### 2018 Control Activity

- **Week 1** (June 5 - 8)
  - Hand harvested 45 bags along entire shoreline (completed full circuit)
    - Late ice-out, delayed growing season, small plants
- **Week 2** (June 25 - 28)
  - Hand harvested 25 bags in West Bay and 32 bags in North Bay
- **Week 3** (July 30 - Aug 2)
  - Rebuilt and deployed 35 mats on dense bed in “DEC Cove”
  - Hand harvested 7 bags from Village Beach to Boat Launch
- **Week 4** (Aug 6 - Aug 8)
  - Hand harvested 57 bags from Village Beach to DEC Camp
    - Small dense bed discovered in deep water off boat launch
  - Hand harvested 14 bags and removed 2 mats in West Bay
- Weeks 5 & 6 (late August to early September)
  - Bays and one complete swim
- 180 bags removed *so far* (205 bags removed in 2017)

**Control Activity Map**



**Milfoil Removed by Year**



## Water Quality

- 15 years of monitoring through the Adirondack Lake Assessment Program (ALAP)
- Three Aquatic Stressors: Eutrophication, Acidification, Salinization
- **Eutrophication (Productivity)**
  - Trophic indicators (transparency, total P, & Chlorophyll-a) are relatively stable
    - Transparency is greater than 60% of lakes in ALAP (75 lakes)
    - Unusually high August total P sample (49.2 µg/L)
      - One unusually high sample in 2016
  - Trophic indicators suggest a moderately productive lake (mesotrophic)
    - Two-thirds of the lakes in ALAP are moderately productive
- **Acidification**
  - Lake pH is alkaline and is relatively stable over time
    - pH is greater than 90% of lakes in ALAP
- **Salinization**
  - Lake has high salt concentration (sodium & chloride) from road salting in watershed
    - Only Upper Cascade Lake has a higher salt concentration (56.8 mg/L chloride)
    - Relatively stable over the last 10 years
  - Lake has calcium concentrations in the range to support Zebra mussels
    - Calcium concentration is greater than 95% of the lakes in ALAP (highest is Long Pond, 13.4 mg/L, limestone watershed)

Water Quality Indicator	Sampling Date			Average	Trend
	7/2/2017	8/21/2017	9/11/2017		
Transparency (m)	4.0	3.5	4.0	3.8	No Trend
Total Phosphorus (µg/L)	7.9	49.2	3.7	20.3	No Trend
Chlorophyll-a (µg/L)	4.1	2.2	5.5	3.9	No Trend
Laboratory pH	7.8	8.6	7.8	8.1	No Trend
Sp. Conductance (µS/cm)	205.0	208.0	207.0	206.7	No Trend
Color (Pt-Co)	31.1	21.4	18.2	23.6	No Trend
Alkalinity (mg/L)		31.2		31.2	No Trend
Chloride (mg/L)		50.0		50.0	No Trend
Calcium (mg/L)		12.2		12.2	Not Analyzed
Sodium (mg/L)		24.8		24.8	Not Analyzed