



2011 Hand Harvesting Report

Chateaugay Lake, NY

2011 Total Harvest Map

The AIM crew takes GPS points over each location where a plant or plants are harvested. That data is then processed to create maps showing control activity.



2011 Total Amount Harvested

	Bags Harvested	Est. Weight (lbs)
Week 1	109	2,725
Week 2	190	4,750
Week 3	345	8,625
Week 4	441	11,025
Week 5	292	7,300
2011 Totals	1,377	34,425

Milfoil Removal, Week 1
Boat Launch and Sand Bar
05/23/11- 05/26/11 (2-diver crew)

Boat Launch (87 bags) and Sand Bar (22 bags)
109 bags removed (2,725 lbs)

*Bags estimated to weigh approximately 25 pounds each

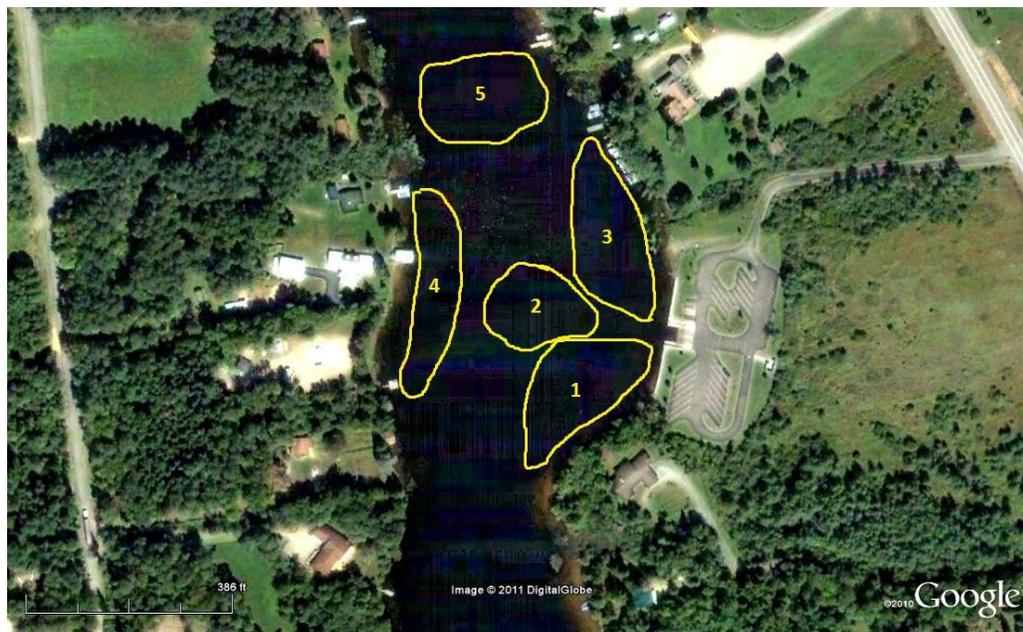
Monday 05/23: Initial overview swim conducted of the boat launch work site area, finding the densest growth off the shore opposite the boat launch. Plants were typically 2-3 feet tall in this area. Moderate amounts of plants in the center of the work site straight out from the launch. Fairly sparse growth to the left (south) of the launch and more moderate growth to the right (north), with all plants ranging from 1 to 2 feet tall. 19 Bags of plants were removed after completing the swim, including 11 bags removed focusing on straight out of the boat launch and to the left and right and 8 more bags removed from the dense patch on the opposite shoreline.

Tuesday 05/24: 33 Bags removed, including 15 from the dense patch on the opposite shore, which left this patch cleared, along with 2 bags to the left of the launch, 8 straight out and 2 more bags to the right of the launch. On this day we also discovered a large patch north of the launch heading into the channel which was straight out from the row of wooden docks on the eastern shoreline (boat launch side). These plants were typically 4-5 feet tall and seemed untouched from any previous hand harvesting or matting. 6 bags were removed from this site.

Wednesday 05/25: 31 Bags removed, all from the newly discovered patch north of the launch. This location is now minimized to roughly 90% of its original size. It could potentially use some maintenance later on in the season.

Thursday 05/26: This morning was used to double check all of our work in the boat launch work site. Only 4 bags were removed and guaranteed us that the main patch across from the launch is cleared. With the boat launch area deemed under control, we shifted work locations that afternoon to the sand bar where we removed 22 bags. We focused our time picking in the heavy boat traffic area of the sandbar which is north of the tip of it, moving straight across to the more western island with 1 house on it. The plants in this area were much larger, ranging from 4-6 feet and in very thick patches. Noticeable evidence of where AIM picked last year could be seen and no re-growth had occurred in those cleared areas.

Below: Boat launch work sites (Week 1)



Milfoil Removal, Week 2

Sand Bar

05/31/11 – 06/03/11 (2-diver crew)

190 bags removed (4,750 lbs)

Tuesday 05/31: 40 bags were removed, 30 of which were picked in the same location as Thursday afternoon (work site 1). 10 more bags picked moving east while suppressing the patch towards the shoreline of the bay, mostly between the second, more eastern island and thin strip of sandbar (work site 2).

Wednesday 06/01: 60 Bags were removed--15 from work site 1, 30 from work site 2, and 15 more moving even more east, to the area between the origin of the sandbar and the opposing shoreline east of the island (work site 3).

Thursday 06/02: 34 bags were removed this day. On this morning we shifted to the shoreline opposite and north of the island in the channel (work site 4). This is the shoreline in front of a camp and was previously matted by AWI. We discovered moderate growth, mostly around the edges of the mats and picked them clean, removing 10 bags worth. We swam across the channel heading south to the island finding almost no growth with the exception of one small 10 by 10 foot patch that we cleared. We continued to swim around the island filling 5 more bags, mostly off the southern shore of the island (work site 5). That afternoon we removed 19 more bags--7 bags from work sites 1 and 2, 12 bags from work site 3. Worksite 1 is now cleared.

Friday 06/03: 56 bags were removed--20 bags from work site 2 and 36 from work site 3. This day was spent removing as much as possible and pushing the edge of the patch back towards the eastern shoreline. The plants become much smaller in worksite 3, ranging from 2-3 feet. Work site 2 is now 80% cleared with the majority of plants in this bay remaining in work site 3.

Below: Sand Bar work sites (Weeks 2 and 3)



Milfoil Removal, Week 3
Sand Bar and South Narrows
06/20/11- 06/23/11 (4-diver crew)

345 bags removed (8,625 lbs)
(226 from Sand Bar, 119 from South Narrows)

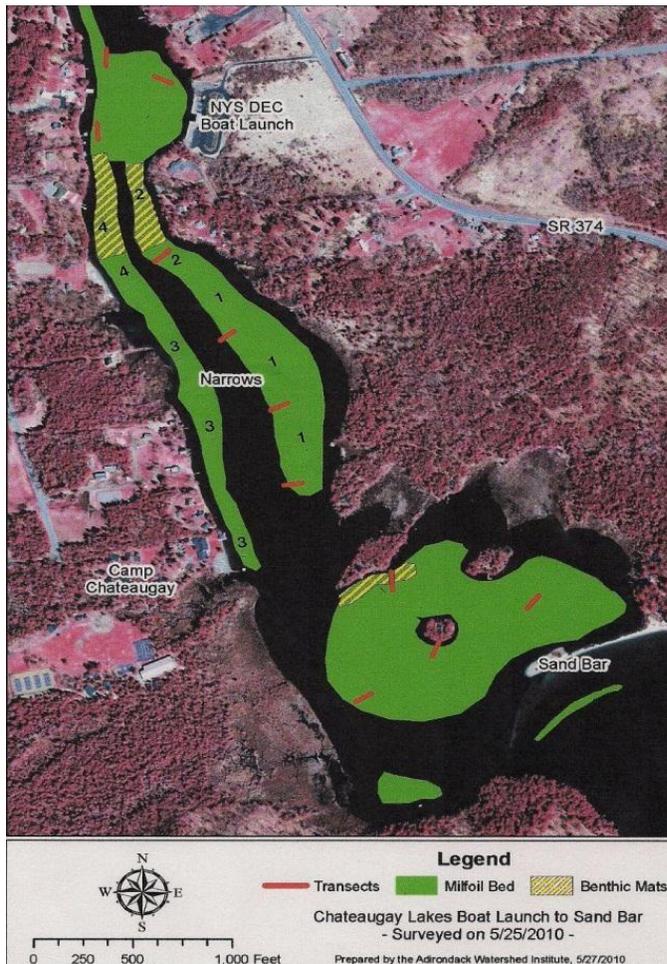
Monday 06/20: Morning and afternoon spent harvesting milfoil on shoreline in Sand Bar bay right across from Camp Chateaugay (Sand Bar work site 4), moving down the shoreline and across to small island in the back of the bay (work site 6). Small isolated patches were found along this shoreline. A large patch was found starting at the back of the bay moving perpendicular to that island (Sand Bar work site 3). 65 bags

Tuesday 06/21: Day spent finishing up patch found by the back island and moving southwest to the outer island. A large band of milfoil was found expanding past large bay and into the channel (Sand Bar work site 1). 80 bags

Wednesday 06/22: Part of the day spent cleaning up band of milfoil found on side of outer island closest to the Sand Bar. The remainder of the day was spent harvesting milfoil in and around large matted area in front of island (Sand Bar work site 7). 81 bags

Thursday 06/23: Day spent harvesting area in the South Narrows across from the two children's camps (South Narrows work site 1). Significant amount of milfoil found. 119 bags

Below: South Narrows work sites (Week 3 last day and Week 4)



Milfoil Removal, Week 4
South Narrows
06/27/11 – 06/30/11 (4-diver crew)

441 bags removed (11,025 lbs)

Monday 06/27: All day Monday spent harvesting in South Narrows work site 2. Very large beds of single stem plants found consistently throughout the area. 124 bags

Tuesday 06/28: All of Tuesday spent harvesting South Narrows area 2. More large beds of single stem plants found and removed. All major beds found in area 2 in the Narrows cleared. Would recommend spot be re-hit to clear out remaining isolated patches. 134 bags

Wednesday 06/29: Spent Wednesday morning removing a dense bed discovered on shoreline across from Camp Jeanne d'Arc. Patch was fairly small, but extremely thick. Began afternoon in South Narrows work site 3, starting at Camp Chateaugay and moving north. Small patches found consistently throughout area, with the largest being located by the lily pads by the long metal dock with the jet skis on it. Curly leaf pond weed also found in this area (3-6 plants).

Thursday 06/30: Spent the morning clearing the patch found by the lily pads and moving north (South Narrows work site 4). Isolated patches found throughout. Ended the day right after Camp Jeanne d'Arc.

Milfoil Removal, Week 5
Boat Launch
08/08/11 – 08/11/11 (2-diver crew)

292 bags removed (7,300 lbs)

Monday 08/08: We started with a bed on the western side of the Narrows around 200 yards to the north of the boat launch. In this area we found some dense old growth milfoil. 65 bags

Tuesday, 08/09: We moved over to the eastern side of the Narrows where the bed continued to run all the way into the cove where the boat launch is. 82 bags

Wednesday, 08/10: Continued to work in the northern boat access lane and out into mid-channel. The boat launch cove was probably the densest area harvested, primarily toward the middle of the Narrows. Based on diver observations this was most likely due to frequent boat traffic. 80 bags

Thursday, 08/11: Worked in south boating access lane, out into mid-channel about 100 feet directly off boat launch. 65 bags