

Lake Colby Eurasian Milfoil Eradication Program

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Introduction

The Adirondack Watershed Institute supplied divers and top water personnel for the eradication of Eurasian milfoil in Lake Colby during August 2002, June and August 2003, July 2004, July 2005, June - August 2006 and May - August 2007. The program is in its sixth year at Lake Colby while the diver program is in its tenth year at the Adirondack Watershed Institute. The program was established to help eradicate Eurasian milfoil from Lake Colby and to continue into later years as a maintenance program. The following is the dive log from the summers of 2002 - 2007.

Methodology

Four Adirondack Watershed Institute divers on air tanks hand harvested Eurasian milfoil from Lake Colby over nine days during the summer of 2002, over a 12.5 day period in June and August of 2003, a seven day period during the summer of 2004, and an eight day period during the summer of 2005. Three Adirondack Watershed Institute divers, on a hookuh rig, were employed during 2006 and 2007. Three divers, on a hookuh rig, seem to be not only more economically feasible but also much more efficient than the earlier four dive tank crews. In 2006, Lake Colby was dove over a 29 day period and in 2007 the diving was over a 27 day period. (Note: During 2007 most of the dive days were ten hour days and not typical eight hour days. This was the equivalent of 29 eight hour dive days.)

All average diver bags per day numbers are based on an eight hour dive day by a crew of four divers. This is done to make all numbers comparable whether it was an eight or a ten hour day or a three or four person dive crew. This allows us to not only compare bags numbers from year to year in order to better gauge success but it also allows us to compare bag numbers from lake to lake.

The divers were careful to remove the whole milfoil plant including the root ball with as little fragmentation as possible. While at the same time, one person worked on top of the water collecting the divers' bags full of milfoil and collecting any fragments that were drifting on or near the waters surface.

Dive Log Results**08/17/02**

Location: West Bay.

Diver Bags of Eurasian Milfoil: 115

08/18/02

Location: West Bay.

Diver Bags of Eurasian Milfoil: 83

08/24/02

Location: West Bay. Northern shore.

Diver Bags of Eurasian Milfoil: 54

08/25/02

Location: South side of West Bay.

Diver Bags of Eurasian Milfoil: 34

06/27/03

Location: Far western bay

Diver bags of Eurasian Milfoil: 24

06/28/03

Location: Clean up around mats in Trestle bay

Diver bags of Eurasian Milfoil: 67

06/29/03

Location: Trestle bay

Diver bags of Eurasian Milfoil: 24

06/30/03

Location: Trestle bay

Diver bags of Eurasian Milfoil: 36

08/10/03

Location: Lee Keet's camp to past pavilion.

Diver bags of Eurasian Milfoil: 3.5 (1/2 day)

08/27/03

Location: Along shore to beach area.

Diver bags of Eurasian Milfoil: 15

Total for Lake Colby for 2003 Season:

Diver Bags of Eurasian Milfoil: 326.5

Comparison: Based on four divers per day.

Average diver bags of Eurasian Milfoil per day at Lake Colby: 26

07/07/04

Location: Trestle Bay towards homes around bend.

Diver bags of Eurasian Milfoil: 27

07/08/04

Location: Trestle Bay.

Diver bags of Eurasian Milfoil: 32

07/09/04

Location: Trestle Bay.

Diver bags of Eurasian Milfoil: 68

07/10/04

Location: Trestle Bay.

Diver bags of Eurasian Milfoil: 73

07/12/04

Location: North Bay.

Diver bags of Eurasian Milfoil: 35

07/13/04

Location: Beach Area and West Bay.

Diver bags of Eurasian Milfoil: 12

07/14/04

Location: Trestle Bay.

Diver bags of Eurasian Milfoil: 14

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Lake Colby 2002 – 2006

06/21/06

Location: North Bay, west side.

Diver bags of Eurasian Milfoil: 129

06/22/06

Location: North Bay, west side.

Diver bags of Eurasian Milfoil: 40

Location: West Bay.

Diver bags of Eurasian Milfoil: 136

06/23/06

Location: West Bay.

Diver bags of Eurasian Milfoil: 18

Location: Shoreline with homes, southeast.

Diver bags of Eurasian Milfoil: 73

06/24/06

Location: Shoreline with homes up to beach.

Diver bags of Eurasian Milfoil: 32

06/26/06

Location: Beach area heading north up Route 86.

Diver bags of Eurasian Milfoil: 99

06/27/06

Location: Between beach and Hospital.

Diver bags of Eurasian Milfoil: 94

06/28/06

Location: In front of Hospital.

Diver bags of Eurasian Milfoil: 84

Location: North Bay

Diver bags of Eurasian Milfoil: 5

06/29/06

Location: Trestle Bay South shore.

Diver bags of Eurasian Milfoil: 34

06/30/06

Location: Trestle Bay.

Diver bags of Eurasian Milfoil: 28

07/24/06

Location: North Bay, west side.

Diver bags of Eurasian Milfoil: 54

07/25/06

Location: North Bay.

Diver bags of Eurasian Milfoil: 64

07/26/06

Location: North Bay.

Diver bags of Eurasian Milfoil: 58

07/27/06

Location: North Bay.

Diver bags of Eurasian Milfoil: 69

07/28/06

Location: West Bay.

Diver bags of Eurasian Milfoil: 52

07/31/06

Location: West Bay.

Diver bags of Eurasian Milfoil: 62

Adirondack Watershed Institute**Lake Colby 2002 – 2006****05/23/07**

Location: West Bay.

Diver bags of Eurasian Milfoil: 17

05/24/07

Location: Trestle Bay.

Diver bags of Eurasian Milfoil: 17

05/25/07

Location: Trestle Bay to Lee Keets house.

Diver bags of Eurasian Milfoil: 26

05/29/07

Location: Lee's house to boat launch.

Diver bags of Eurasian Milfoil: 36

06/18/07

Location: North Bay.

Diver bags of Eurasian Milfoil: 68

06/19/07

Location: West Bay.

Diver bags of Eurasian Milfoil: 32

06/20/07

Location: Shoreline with homes.

Diver bags of Eurasian Milfoil: 36

06/21/07

Location: Between beach and Hospital.

Diver bags of Eurasian Milfoil: 43

06/25/07

Location: Trestle Bay.

Diver bags of Eurasian Milfoil: 56

07/10/07

Location: North Bay.

Diver bags of Eurasian Milfoil: 11

07/11/07

Location: North Bay.

Diver bags of Eurasian Milfoil: 18

07/12/07

Location: North Bay, west side.

Diver bags of Eurasian Milfoil: 26

07/13/07

Location: North Bay.

Diver bags of Eurasian Milfoil: 15

07/16/07

Location: West Bay.

Diver bags of Eurasian Milfoil: 21

07/17/07

Location: Boat launch to homes along shore.

Diver bags of Eurasian Milfoil: 24

07/25/07

Location: West Bay and Trestle Bay.

Diver bags of Eurasian Milfoil: 48

Table 1: Lake Colby Eurasian Milfoil Bags by Location

Location	2002	2003	2004	2005	2006	2007	Total
West Bay	358	44	12	51	268	196	929
North Bay	252	-----	35	40	631	224	1182
East Shore	167	98	-----	9.5	455	100	829.5
Moir rd shore	53.5	57.5	-----	45	273	94	523
Trestle Bay	-----	127	214	188	69	190	788
Totals	830.5	326.5	261	333.5	1696	804	4251.5

Lake Colby



