

## **Cushman Pond Dive Report for Sunday June 14th 2015**

### **Conditions:**

Surface water temp 69<sup>0</sup>; Estimated water temp at 7' = 54<sup>0</sup>; Estimated water temp at 10' = 45<sup>0</sup>

Thermocline at 10' depth

Air temp 70<sup>0</sup> and sunny

Water visibility at depth approximately 2', very silty in cove

### **Participants:**

2 divers (Doug Faille, Scott Gregory)

4 snorkelers – (Jim Buck, Greg Buck, Bryant Buck, Dave Goodrich)

3 Boat Support (Keith Rowe, Joe Davis, John Olmstead)

5 Ground Support-Reporting, mat conversion, equipment, transportation; ( Gene Spender-Lovell Invasive Plant Prevention Committee (LIPPC), Diane Caracciolo (LIPPC), Scott Buck, Parker Buck, Hadley Buck)

### **14 Total Participants**

### **Dive Summary:**

The June 14<sup>th</sup> survey found a total of 5 plants for a volume of approximately one-half gallon. In comparison the second 2014 survey found 16 plants.

Two plants were found almost immediately upon entering the water which disrupted our plans for a grid search. The first was found on the right side of the landing in about 4' of water. The second was on the north side of the dam in shallow water off the rocks beyond the dam structure. Both plants were harvested and matted.

A third plant was found under the tree off Joan Cope's lot. This is the second plant from the area this year. Mats were placed and/or moved to cover this year's growth.

All three of these plants appear to be new 2015 growth and were smaller plants from 12-18".

The fourth plant was found near the cut birch on the south shore and was only 3" in length. It was harvested but was could not be matted as it was blocked by rocks.

After searching the cove area, the group broke into 2 teams of 2 snorkelers, a diver and boat support to search the West and South shores. During this part of the survey, a fifth plant was found outside the outlet cove. It was found in 4' of water between Doug Faille's dock and the Southeast weedbed. This

large plant measured almost 40" and had a large rooted runner and several smaller stocks. This appeared to be a 2014 plant that was missed.

While the survey was underway, Gene Spender & Diane Caracciolo worked on the shore to reconfigure some of the bigger benthic mats that we constructed for the large plant mass into smaller mats that are easier to install and move.

Only one mat was removed during this dive.

The harvest is shown in the enclosed picture.



We continue to believe that we have last year's large plant mass under control and are making progress. The next 8 weeks will tell.

**Diver hours** for this survey were 3.0 hours each. Year To Date Diver Hours are: 12.0 Hours with 6.0 each for Doug Faille & Scott Gregory.

**Volunteer hours** totaled 28 including the preparation of this report. Year to Date Volunteer hours are: 58 hours

Approximate plant locations of the June 14<sup>th</sup> and Year To Date Dives are displayed in the attached map.

#### **Future Plans:**

Gene Spender has applied to the state for a permit to use electric motors during our surveys. This will help with placing, moving and removing mats. We're also purchasing dive bags to help lift the mats from the bottom.

**Next Survey is: Saturday July 4<sup>th</sup> 9:30AM at the Town Landing.**

To help with your planning, here's the schedule for 2015:

1. Sunday, May 24<sup>th</sup> – 9:30AM Divers Only Cove Focus **Complete**
2. Sunday, June 14<sup>th</sup> – 9:30AM First Full Survey **Complete**
3. **Saturday, July 4<sup>th</sup> – 9:30AM**
4. Saturday July 18<sup>th</sup> – 9:30AM
5. Saturday, August 8<sup>th</sup> - 9:30AM
6. Saturday, August 22<sup>nd</sup> - 9:30AM – If Needed
7. Saturday, September 5<sup>th</sup> - 9:30AM – followed that evening by the Annual Picnic

LWRMA Close Out Survey – To be scheduled

All are welcome to attend. We can always use more volunteers and encourage all camp, homeowners, landowners and friends of Cushman Pond to participate in the surveys even if only to stop by for the start.

There are more dives than in past years, but we want to maintain control and hope to be milfoil free in 2019.

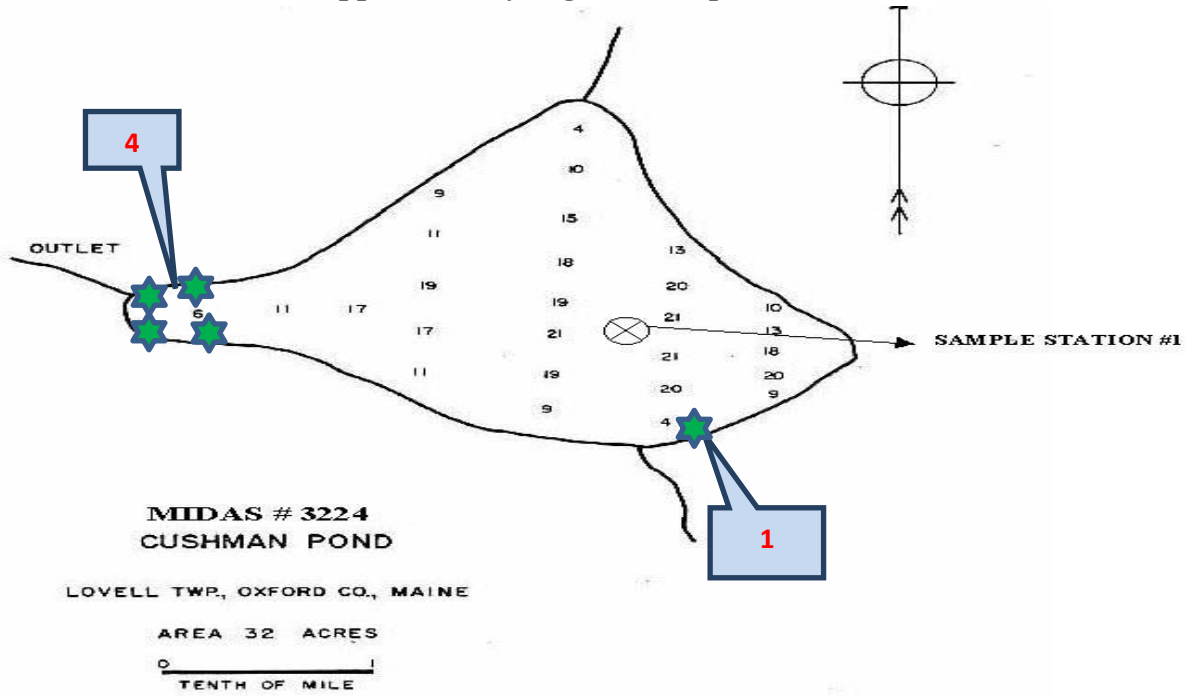
Thanks for you continued support,

Jim Buck

<b>Cushman Pond Milfoil Surveys</b>								
<b>2014 Results</b>								
<b>Date:</b>	<b>31-May</b>	<b>28-Jun</b>	<b>26-Jul</b>	<b>9-Aug</b>	<b>30-Aug</b>	<b>21-Sep</b>	<b>2014 Total</b>	<b>%</b>
<b>Location:</b>								
Cove/Town Landing	5	6	9	9	6	23	58	74%
SE Weedbed	1	10	4	0	0	0	15	19%
NorthWest Shore	0	0	0	1	2	0	3	4%
South Shore	0	0	1	1	0	0	2	3%
<b>Total</b>	<b>6</b>	<b>16</b>	<b>14</b>	<b>11</b>	<b>8</b>	<b>23</b>	<b>78</b>	<b>100%</b>
%	8%	21%	18%	14%	10%	29%	100%	
# Participants:	5	19	13	27	21	12	97	
<b>2015 Results</b>								
<b>Date:</b>	<b>24-May</b>	<b>13-Jun</b>	<b>4-Jul</b>				<b>2015 Total</b>	<b>%</b>
<b>Location:</b>								
Cove/Town Landing	4	4					8	89%
SE Weedbed	0	1					1	11%
NorthWest Shore	0	0					0	0%
South Shore	0	0					0	0%
<b>Total</b>	<b>4</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>100%</b>
%	44%	56%	0%	0%	0%	0%	100%	
Est Volume (Gallons)	0.25	0.50					0.75	Gallons
# Participants:	17	14					31	

**Cushman Pond Milfoil Sightings for June 14, 2015**

**= 5 Plants Harvested for approximately .5 gallons (2 quarts)**



**Cushman Pond Milfoil 2015 Sightings through June 14, 2015**

**= 9 Plants Harvested for approximately .75 gallons (3 quarts)**

