

## **Cushman Pond Dive Report for Saturday August 29th 2015**

**Conditions:** - Not recorded

**Participants:**

**1 Hookah diver** - (Greg Buck )

**1 Boat & Barge Support-** (Gene Spender- LIPPC)

**0 Ground Support**

**2 Total Participants**

**Dive Summary:**

On August 29<sup>th</sup>, Gene Spender & Greg Buck conducted follow up survey to the August 22<sup>nd</sup> dive and the DEP Survey conducted on Monday, August 24<sup>th</sup>. The objectives were to attempt to locate the “misplaced plant” from the DEP survey and to test the feasibility of using SONAR and GPS as a means of locating plants in the deeper water silt plains of the pond. The first objective was not achieved as the plant was not located. Another follow up attempt will be made in the September 5<sup>th</sup> and subsequent surveys if required.

Results of the SONAR objective were inconclusive as use of the SONAR unit needs to be fine-tuned in order to be used successfully. Large items such as an underwater tree were identified but there were also false readings where a suspected plant was seen on the screen but nothing was found by the diver. Additional practice and tuning is needed.

The survey found and harvested **2 plants** for a total volume of **one quart**.

Gene Spender’s tricked out fishing boat (SONAR, GPS, underwater camera) was used for the dive. The focus was on the search area of the DEP dive including the deeper waters of the cove.

**Plants #1 & 2** were found at same site of the Plant #1 find of the DEP August 24<sup>th</sup> dive located at the far edge of the cove bordering the deeper waters in about 12 to 14’ of water. Plant #1 on the left of the enclosed picture was approximately 21” long and was found 2 feet from mat #7 deployed last week. Plant #2 consisted of 2 20” stems and was found sticking out from under that same mat. It was obviously missed in the silt during Monday’s survey.



**Diver hours** for this survey were 0 hours. Year To Date Diver Hours are: 53.5 Hours with 23.5 for Doug Faille, 23.5 for Scott Gregory and 6.5 for Jackey Bailey. DEP hours are excluded from these values.

**Hookah Hours** for this survey were a total of 3 for Greg Buck. Year To Date Hookah hours are: 27 with 12 for Bryant Buck and 15 for Greg Buck.

**Volunteer hours** totaled 6 including the preparation of this report. Year to Date Volunteer hours are: 256 hours.

**Mats:** No mats were deployed and no mats were removed; Mat locations are included in the charts at the end of this report.

Approximate plant locations of this week's dives and Year To Date Dives are displayed in the attached charts.

**Next Survey is: Saturday, September 5<sup>h</sup> 9:30AM at the Town Landing.**

This will be our final planned survey of the year and we hope to put as many divers in the water as possible to finish the year with a clean pond. We'll perform a survey of the entire pond, checking the recurring sites and also sweeping the deeper waters to find the misplaced plant as well as any others. We hope to leave the LWRMA crew nothing to find when they make their survey later in September.

As previously mentioned our September 5<sup>th</sup> survey will be followed by the Annual Picnic that evening. Toby Bottorf & Rebecca Bowen will be hosting the event. Please contact them at:

[tobybottorf@gmail.com](mailto:tobybottorf@gmail.com) or [bowenrebeccam@gmail.com](mailto:bowenrebeccam@gmail.com) should you have any questions.

Our schedule for 2015 is nearly complete:

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 Complete~~
4. ~~Saturday July 18<sup>th</sup> – 9:30AM Complete~~
5. ~~Saturday, August 8<sup>th</sup> – 9:30AM Complete~~
6. ~~Saturday, August 22<sup>nd</sup> – 9:30AM Complete~~
7. **Saturday, September 5<sup>th</sup> - 9:30AM** – followed that evening by the Annual Picnic,

LWRMA Close Out Survey – To be scheduled

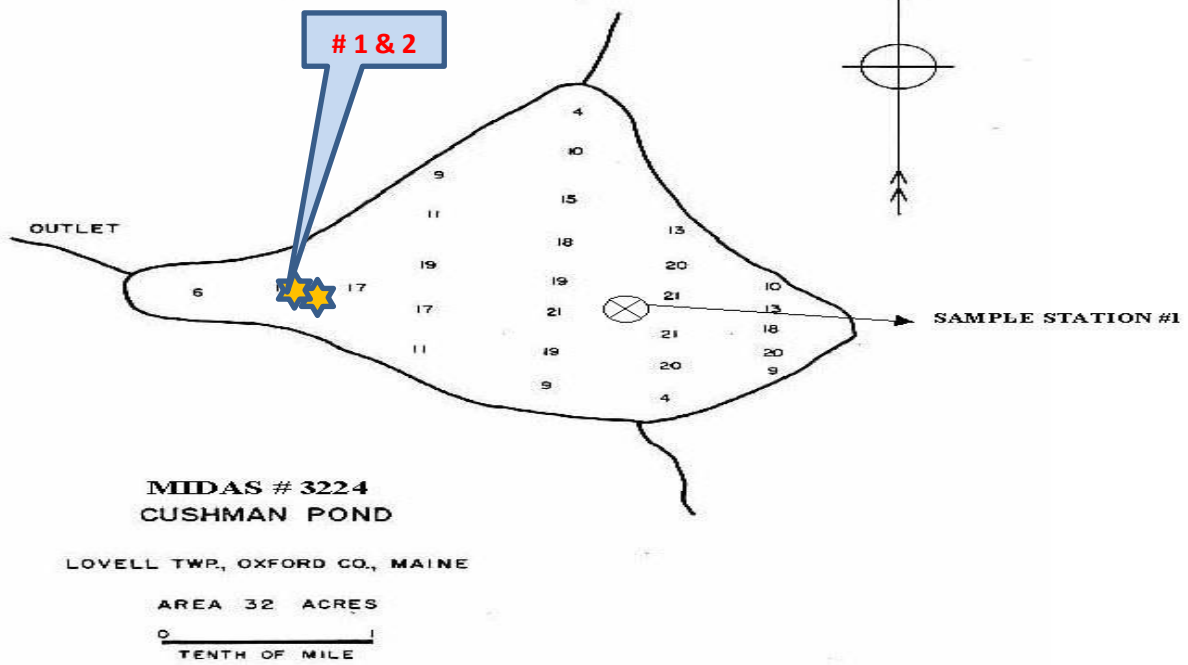
Thanks for you continued support.

Jim Buck

<b>Cushman Pond Milfoil Surveys</b>										
<b>2014 Month End August Results</b>										
<u>Date:</u>	<u>31-May</u>	<u>28-Jun</u>	<u>26-Jul</u>	<u>9-Aug</u>	<u>30-Aug</u>				<u>2014 Results</u>	<u>%</u>
<b>Location:</b>										
Cove/Town Landing	5	6	9	9	6				35	64%
Deep Water									0	0%
SE Weedbed	1	10	4	0	0				15	27%
NorthWest Shore	0	0	0	1	2				3	5%
South Shore	0	0	1	1	0				2	4%
<b>Total</b>	<b>6</b>	<b>16</b>	<b>14</b>	<b>11</b>	<b>8</b>				<b>55</b>	<b>100%</b>
%	11%	29%	25%	20%	15%				100%	
Est Volume (Gallons)	0.50	2.50	2.00	2.00	1.50				8.50	Gallons
# Participants:	5	19	13	27	21				85	
<b>2015 Year To Date (YTD) Results</b>										
<u>Date:</u>	<u>24-May</u>	<u>13-Jun</u>	<u>4-Jul</u>	<u>18-Jul</u>	<u>8-Aug</u>	<u>22-Aug</u>	<u>24-Aug</u>	<u>29-Aug</u>	<u>YTD Total</u>	<u>%</u>
<b>Location:</b>										
Cove/Town Landing	4	4	1	4	2	1	1	2	19	66%
Deep Water						1			1	3%
SE Weedbed	0	1	3	0	1	1			6	21%
NorthWest Shore	0	0	0	1	1				2	7%
South Shore	0	0	0	1					1	3%
<b>Total</b>	<b>4</b>	<b>5</b>	<b>4</b>	<b>6</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>29</b>	<b>100%</b>
%	14%	17%	14%	21%	14%	10%	3%	7%	100%	
Est Volume (Gallons)	0.25	0.50	0.25	0.25	0.25	0.25	0.50	0.25	2.50	Gallons
# Participants:	17	14	40	15	32	20	3	2	141	
	<b>YTD August 2014</b>			<b>YTD August 2015</b>					<b>% Change</b>	
# Plants	55			29					-47% Reduction	
Volume (Quarts)	34.00			10.00					-71% Reduction	
# Survey Participants	85			141					66% Increase	

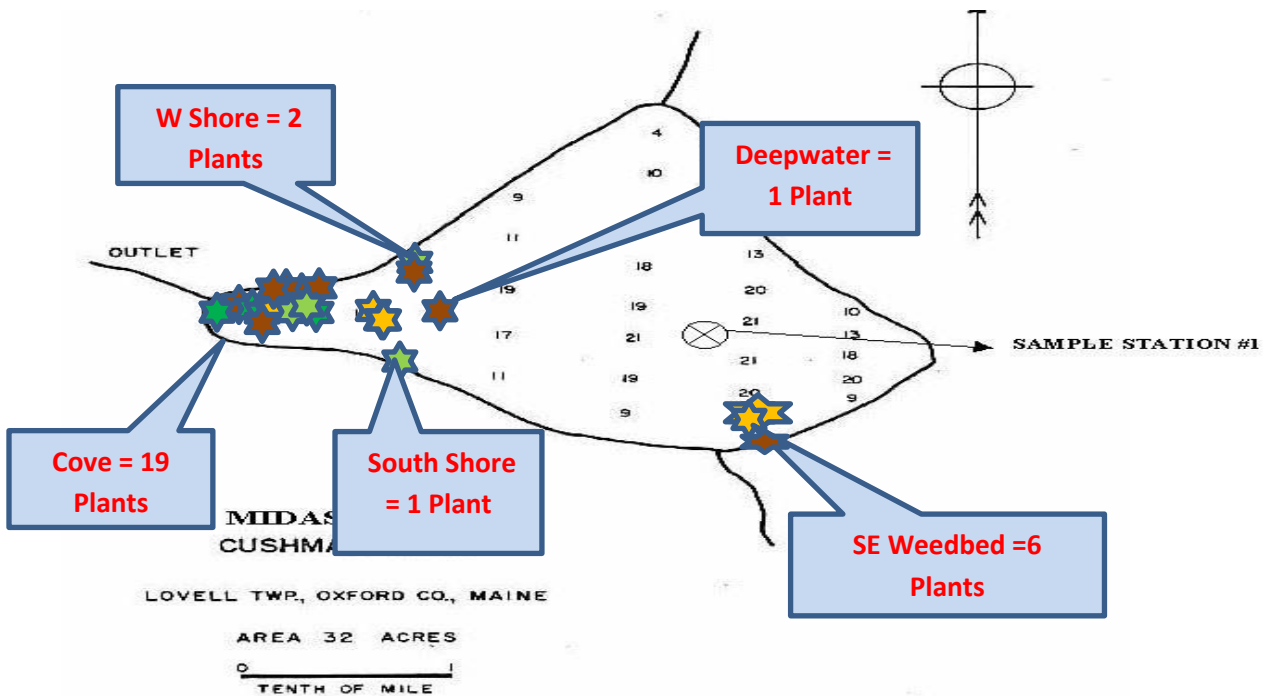
### Cushman Pond Milfoil Sightings for August 29, 2015

= 1 Plant Harvested for approximately .25 gallons (1 quart)



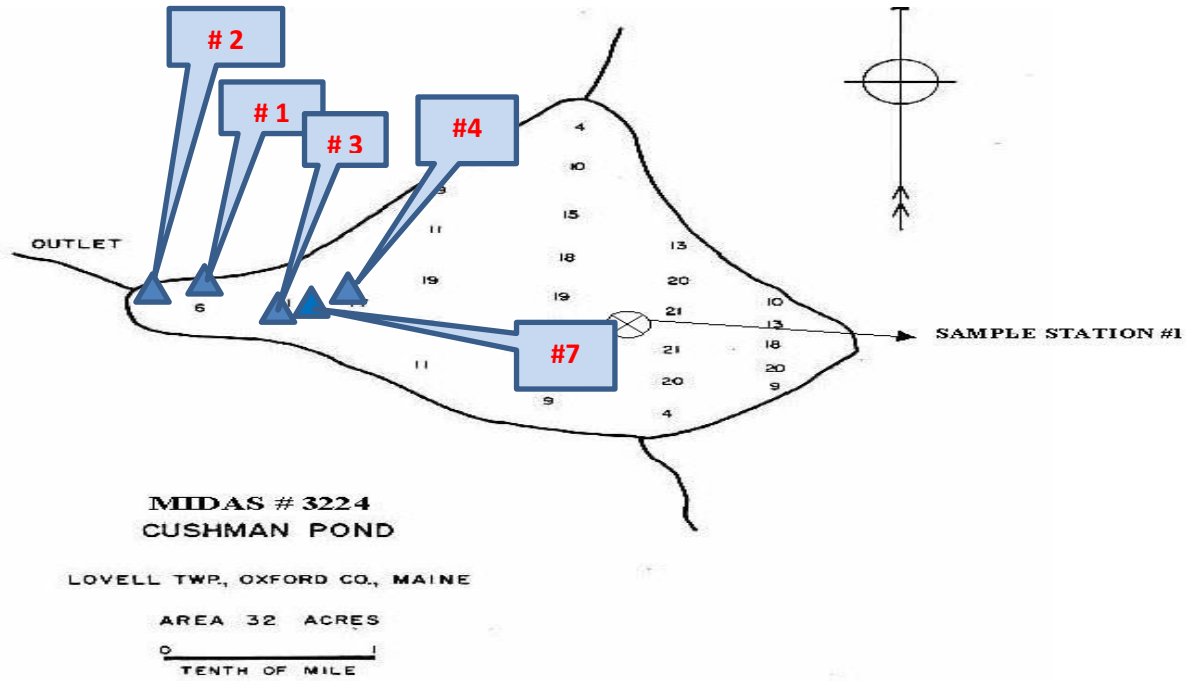
### Cushman Pond Milfoil 2015 Sightings through August 29, 2015

= 29 Plants Harvested for approximately 2.5 gallons (10 quarts)



**Cushman Pond Mat Locations as of August 29, 2015**

**= 0 New Mats Deployed, 0 Mats Removed**



Mat #	Deployed	Area	Location	Plant #	Plant Size	Removed
1	8/22/2015	Cove	Cope- Leaning MapleTree, Prior plant find	8/8/15 #2,3	14",16"	
2	8/22/2015	Cove	rock outcrop- 75' from dam, Prior plant find	6/14/2015 #2	14"	
3	8/22/2015	Cove	30' East of Buoy	8/22/15 #3	6"	
4	8/22/2015	Deepwater	250' from Buoy	8/22/15 #4	30"	
5						
6						
7	8/24/2015	Cove	DEP Find Edge of Cove, buoy - deepwater	8/24/15 #1	48"	