

October 27, 2021

Mr. David J. Rousseau, Director
NH Division of Pesticide Control
PO Box 2042
Concord, NH 03302-2042

Re: 2021 Milfoil Treatment of Chance Pond in Franklin, NH - SP-153

Dear Mr. Rousseau:

In accordance with NH Pesticide Rules 603.03, SOLitude Lake Management is submitting a written year-end report for the herbicide treatment at Chance Pond Brook in Franklin. This treatment was conducted in accordance with the conditions of Special Permit # SP-153 issued by the Division of Pesticide Control.

Project Summary

Project (Site / Location):	Chance Pond Brook / Franklin, NH
Special Permit #:	SP-153
Pre-Treatment Survey Date:	~May 27, 2021 & June 17, 2021 (SLM prior to treatment)
Treatment Summary:	<p><i>Treatment Date:</i> June 17, 2021</p> <p><i>Herbicide:</i> Procellacor EC (Florpyrauxifen-benzyl), EPA Reg# 67690-80</p> <p><i>Target Species:</i> variable milfoil (<i>Myriophyllum heterophyllum</i>)</p> <p><i>Area Treated:</i> 15.0 acres</p> <p><i>Application Rate:</i> 2 PDUs/ac-ft (4-foot avg depth measured prior to treatment)</p> <p><i>Total Herbicide Used:</i> 120 PDUs</p> <p><i>Herbicide Application:</i> Jon boat, calibrated pump system & GPS unit</p>
Post-Treatment Survey Date:	June 17, 2021 (SLM prior to treatment)
Control of Target Species:	<ul style="list-style-type: none"> ▪ Control of milfoil was excellent in all treatment areas. No milfoil was found post treatment in the treatment areas. ▪ Other aquatic plants observed in the treatment area that appeared to be healthy included (little to no impact occurred to plants listed below, unless otherwise noted): <ul style="list-style-type: none"> <i>Nymphaea sp.</i> White water lily <i>Nuphar sp.</i> Spatterdock (yellow) <i>Brasenia sp.</i> Watershield <i>Potamogeton spp.</i> Pondweeds (robins, large-leaf & ribbon-leaf) <i>Elodea sp.</i> Waterweed <i>Pontederia sp.</i> Pickerelweed <i>Utricularia spp.</i> Bladderwort <i>Vallisneria sp.</i> Tapegrass <i>Sparganium sp.</i> Bur-reed <i>Carex sp.</i> Sedge ▪ Otherwise, no obvious adverse impacts to non-target plants or other aquatic organisms were observed in or adjacent to the treated areas during the post-treatment surveys.

Herbicide Residue Testing Results:	<p>Samples were collected by Granite State Analytical and analyzed by SePRO Labs in accordance with the permit requirements</p> <p>Procellacor Treatment:</p> <ul style="list-style-type: none"> ▪ Results of the 1-day samples were: <ul style="list-style-type: none"> Site 1: Procellacor- 2.2 µg/L ▪ Results of the 5-day samples were: <ul style="list-style-type: none"> Site 1: Procellacor- <1.0 µg/L ▪ Copies of the laboratory reports are attached
Late summer reports (DES, Assoc, etc.):	<p>Webster Lake Association (client) noted that they did not see any milfoil after the beginning of July</p>
Non-herbicide Management:	<p>No hand-pulling/diving was performed in 2021. They treated all milfoil areas</p>
Discussion and Ongoing Management Recommendations:	<ul style="list-style-type: none"> ▪ Procellacor EC (Florpyrauxifen-benzyl) herbicide provided excellent variable milfoil control in the treatment areas. No milfoil was found at Chance Pond post-treatment in 2021. ▪ Milfoil should continue to be managed in 2022, as necessary. Spot-treatment should be considered for areas where growth cannot be effectively managed through non-chemical controls. Re-treating areas immediately will prevent plants from recovering and sending more energy into their root crowns. Ultimately, this should allow for the scope of the treatment area to be reduced, resulting in less herbicide being applied and potentially less impact to non-target plants and other aquatic organisms. ▪ Non-chemical controls such as hand-pulling or DASH should continue to be utilized to remove low-density or widely scattered milfoil regrowth, and as a follow-up to herbicide treatment to remove milfoil root crowns in areas that consistently show stubborn regrowth. Judging from the post treatment survey, it is not likely that herbicide treatment will be required in 2022. ▪ Applicant should follow recommendations provided in the Long-Term Management Plan (LTMP)

We trust that this report satisfies the reporting requirement for the 2021 herbicide treatment program performed at Chance Pond in Franklin.

Please feel free to contact our office if you have any questions or require additional information.

Sincerely,

SÔLITUDE LAKE MANAGEMENT



Pete Beisler
Senior Aquatic Specialist

Enclosures: Actual Treatment / Sampling Map
Laboratory Reports for post-treatment herbicide residue testing

cc: Valerie Perkins, Webster Lake Association (via email)
Amy Smagula, NH DES Water Division (via email)
Carol Henderson, NH Fish and Game Department (via email)
Amy Lamb, DRED (via email)







Chance Pond
Franklin, NH

2021 Treatment & Sampling Map

FIGURE:	SURVEY DATE:	MAP DATE:
2	6/17/21	10/19/21

Legend:

-  June Treatment Areas (15.0 acres)
-  Actual Treatment Track (6/17/21)
-  1 Day Sampling Location
-  5 Day Sampling Location

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