

Date: June 14, 2024

To: Olin Reed, VT DEC Lakes and Ponds

From: Marc Bellaud, Director of Technical Services

Cc: Louis Miron, Dave Johnson and Dave Volz, Lake Dunmore Fern Lake Association

Re: Notification of Treatment – Lake Dunmore (ANC Permit No. 3016-ANC-C)

Please accept this as the final treatment plan for the ProcellaCOR EC herbicide treatment of Eurasian watermilfoil (*Myriophyllum spicatum*, EWM) in Lake Dunmore during the 2024 season.

The attached map shows the final treatment areas for the 2024 season, as well as the proposed FastEST water sample location map for approval. A treatment date of Tuesday, July 16, 2024 is scheduled. All the required pre-treatment notifications and posting of warning signs will be handled by the Lake Dunmore Fern Lake Association. Copies of public notifications are attached. The pre-treatment survey was conducted on June 5, 2024 to verify and finalize the treatment areas.

Summary of Treatment Area EWM

Area A – North shore - 3.38 acres: This area supports moderate to dense EWM plants that were 3-4 feet tall mixed in with robust native plant growth. It is very difficult to DASH in this location due to the overall plant density. There is a mix of native plants throughout this location including submersed largeleaf and Illinois pondweeds, waterweed, muskgrass and beds of lilies including watershield, white waterlily and spatterdock. The treatment area is focused on only where EWM was found.

Area B – Spine - 17.35 acres This is a deeper water shelf area in proximity to the primary inlet tributary that has historically supported dense EWM growth. During the July 5th survey, EWM plants were 5-6 feet tall. The overall EWM density was moderate, but there were some patches of dense growth. Native plants in this area were dominated by low growth muskgrass and trace to scattered growth of Illinois pondweed.

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Area C – South Center - 5.5 acres: This is another deeper water shelf area that has historically supported dense EWM growth. During the July 5th survey, EWM plants were 5-6 feet tall. The overall EWM density was moderate, but there were several patches of dense growth. Native plants in this area were dominated by low growth muskgrass, waterweed and scattered to moderate growth of Illinois and largeleaf pondweed.

Area D - South Cove - 0.8 acres: This shallow southern end of the lake has historically supported dense EWM growth and is difficult to DASH effectively due to shallow water depths and native species. Scattered growth of EWM was seen during the July 5th inspection. If no expansion in density is seen, this area may be targeted by DASH instead of treatment. Native plants are robust in this area and are dominated by waterweed, muskgrass, Illinois pondweed and largeleaf pondweed.

Area E - West Boat Launch Cove - 0.63 acres: This shallow cove has historically supported dense EWM growth and is difficult to DASH effectively due to shallow water depths, native species and proximity to the State boat ramp. Scattered growth of EWM was seen during the July 5th inspection. If no expansion in density is seen, this area may be targeted by DASH instead of treatment. Native plants are robust in this area and are dominated by waterweed, muskgrass, Illinois pondweed, largeleaf pondweed and scattered white waterlily.

As described in the permit application, we are planning to apply area-selective treatments of ProcellaCOR EC (3 PDU/ac-ft or 5.79 ppb/ac-ft). A copy of the dosing table is provided below:

SITE	DESCRIPTION	ACREAGE	AVG DEPTH	TYPE	RATE	PDUs
A	North shore	3.38	4	ProcellaCOR EC	3	40.6
B	East shore	17.35	8	ProcellaCOR EC	3	416.4
C	South center	5.50	8	ProcellaCOR EC	3	132
D	South cove	0.80	4	ProcellaCOR EC	3	9.6
E	West cove	0.63	4	ProcellaCOR EC	3	7.6
	TOTALS	27.66				606.1

The total area being targeted for herbicide treatment is 27.66 acres, which is 3% of the total lake area (247 acres) and 4.8% of the lake's littoral zone (572 acres). Even with the proposed DASH areas previously submitted by LDFLA, the total area being managed is well below 40% of the lake's littoral zone.

The liquid ProcellaCOR EC herbicide will be diluted with lake water in an onboard mixing tank and applied subsurface using trailing hoses. The treatment is expected to be completed in one work day beginning at 8-9 am and ending at approximately 11-12 pm. The State boat launch off of West Shore Road will be the base of operations. We will take a temperature/dissolved oxygen profile immediately prior to treatment.

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LDFLA is actively monitoring EWM growth throughout the lake. They have already submitted proposed DASH area maps for DEC's consideration. The annual comprehensive vegetation survey work is conducted by Larry Eichler and a copy of the 2023 report was previously provided to the Department.

Spread Prevention Measures

Please accept the following as written documentation of the spread prevention measures that we intend to employ, in accordance with the general conditions.

Prior to each treatment, all boats and equipment that will be used in the water will be:

- Inspected and all plants, plant fragments and animals will be removed
- The plug will be removed and the bilge water will be drained
- The boat hull, motor, and all spray equipment that will be placed in the water will be thoroughly washed with "Formula 409 Cleaner Degreaser Disinfectant" or similar and rinsed with a pressure washer

Upon completion of the treatment and once the boat is loaded back onto the trailer, the boat and equipment will be:

- Inspected and all plants, plant fragments and animals will be removed
- The plug will be removed and the bilge water will be drained
- The boat hull, motor, and all spray equipment that was placed in the water will be sprayed with "Formula 409 Cleaner Degreaser Disinfectant" or similar
- The boat and equipment will be more thoroughly washed and re-inspected upon return to its home SŌLitude office and before being used on another waterbody

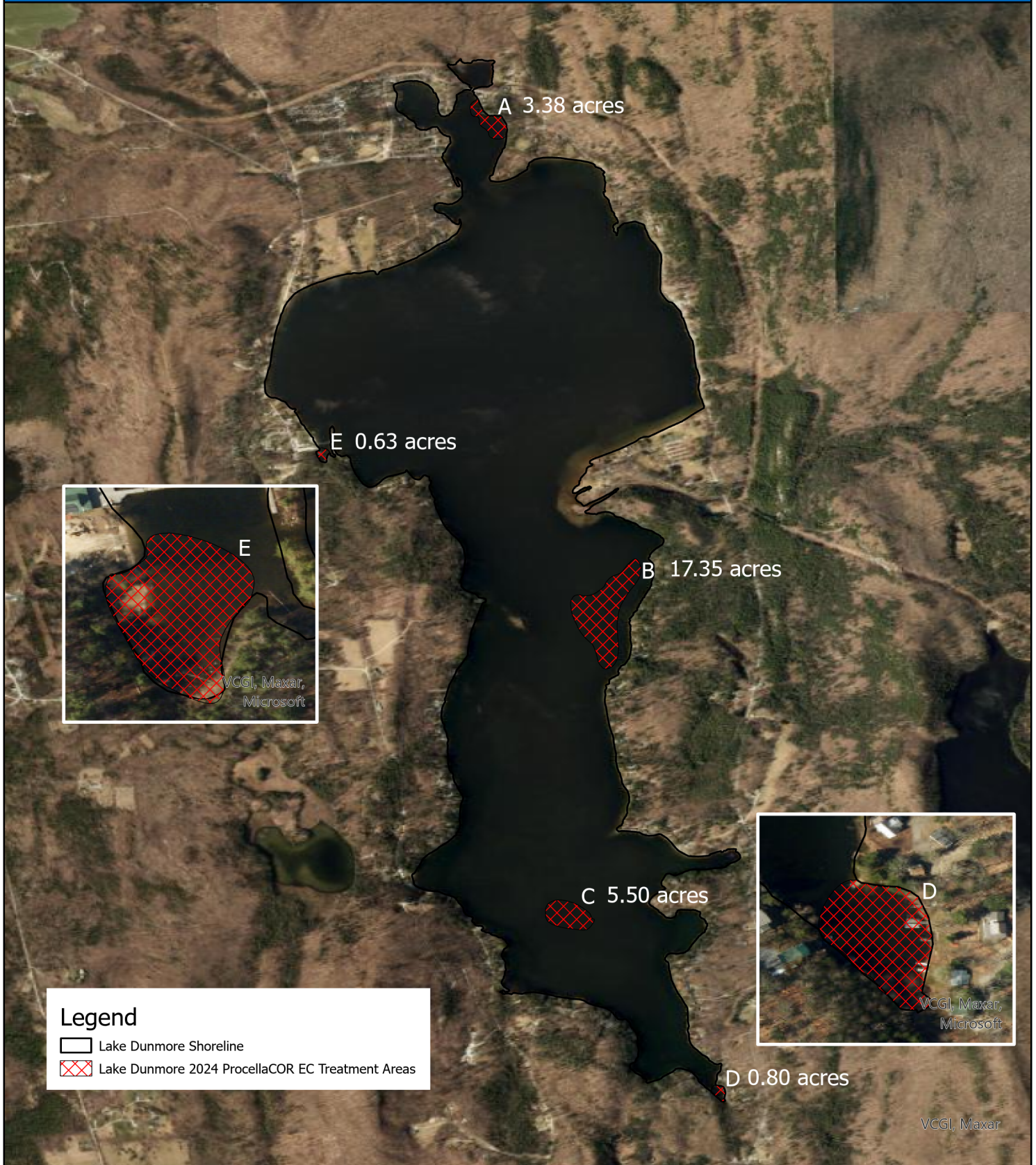
Attached Documents

- 2024 Treatment Areas Map
- 2024 Wetlands and Littoral Zone Map
- 2024 FastEST Locations Map
- 2024 Treatment Poster
- 2024 Abutters Notice

Please feel free to contact Marc Bellaud (508-865-1000), mbellaud@solitudelake.com) immediately if you require any additional information for this treatment notice.

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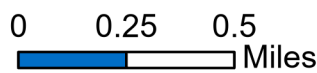
Figure 1. Lake Dunmore 2024 ProcellaCOR EC Treatment Areas



LAKE DUNMORE
Leicester/Salisbury, Vermont
Addison County
Center: 73°4'32"W 43°54'2"N



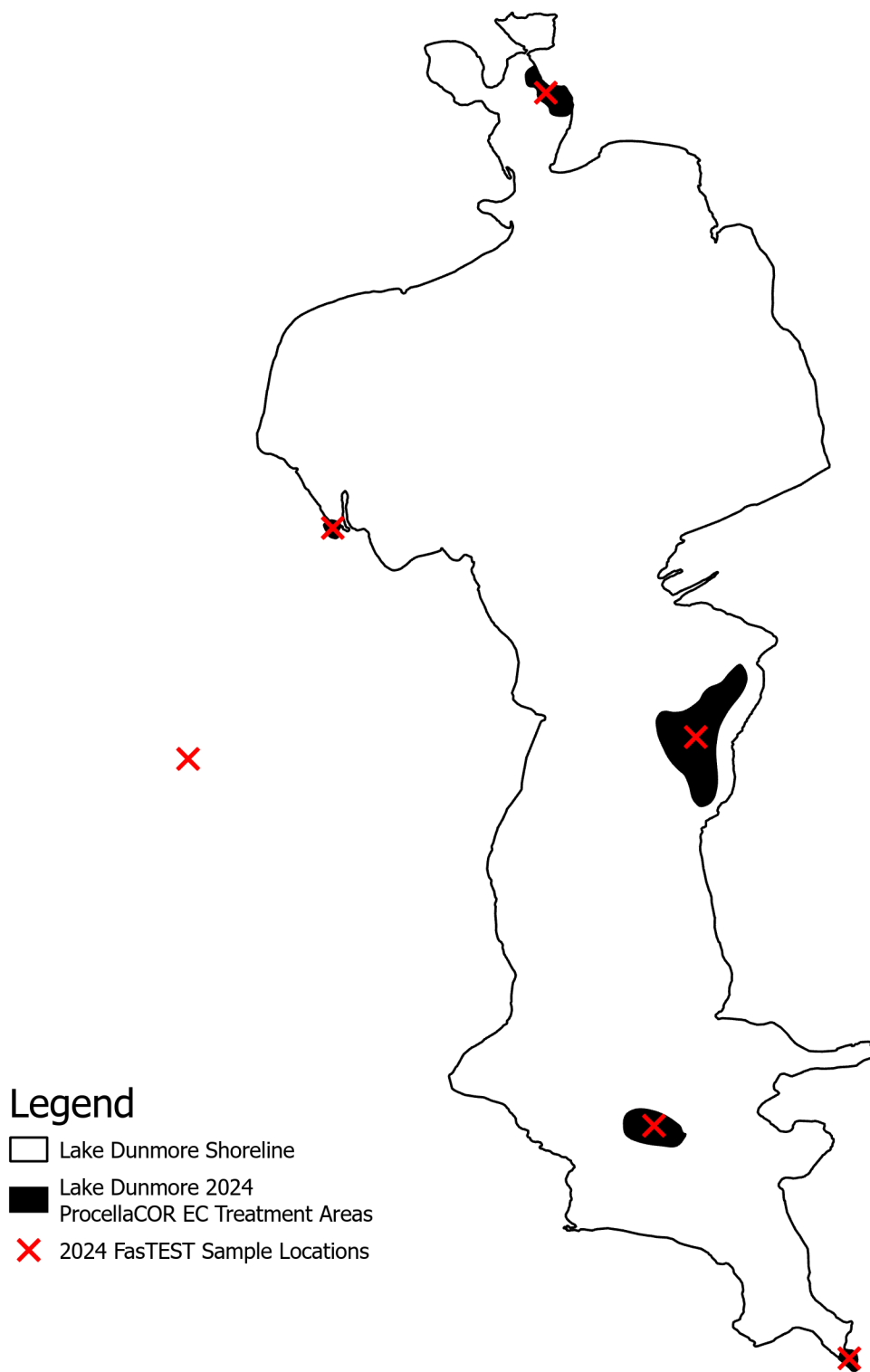
LAKE DUNMORE



Scale: 1:28,165

Survey Date: 6/5/2024
Prepared by: E. Vulgamore
Office: SHREWSBURY, MA

Figure 3. Lake Dunmore 2024 FasTEST Sample Locations



Legend

- Lake Dunmore Shoreline
- Lake Dunmore 2024 ProcettaCOR EC Treatment Areas
- ✕ 2024 FasTEST Sample Locations

LAKE DUNMORE
Leicester/Salisbury, Vermont
Addison County
Center: 73°4'32"W 43°54'2"N

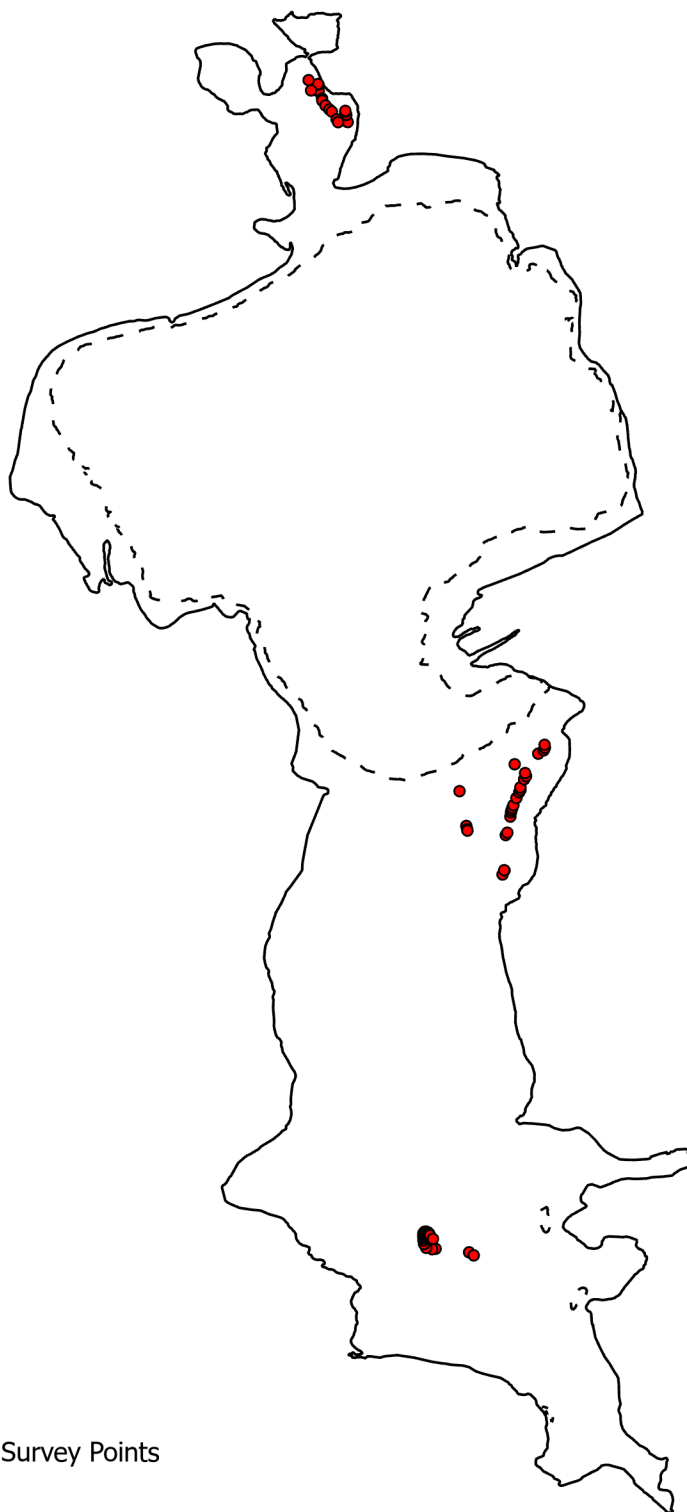


LAKE DUNMORE

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Scale: 1:28,165

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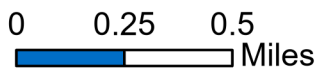
Legend

- Eurasian Watermilfoil Survey Points
- [- -] Littoral Zone
- Lake Dunmore Shoreline

LAKE DUNMORE
Leicester/Salisbury, Vermont
Addison County
Center: 73°4'32"W 43°54'2"N



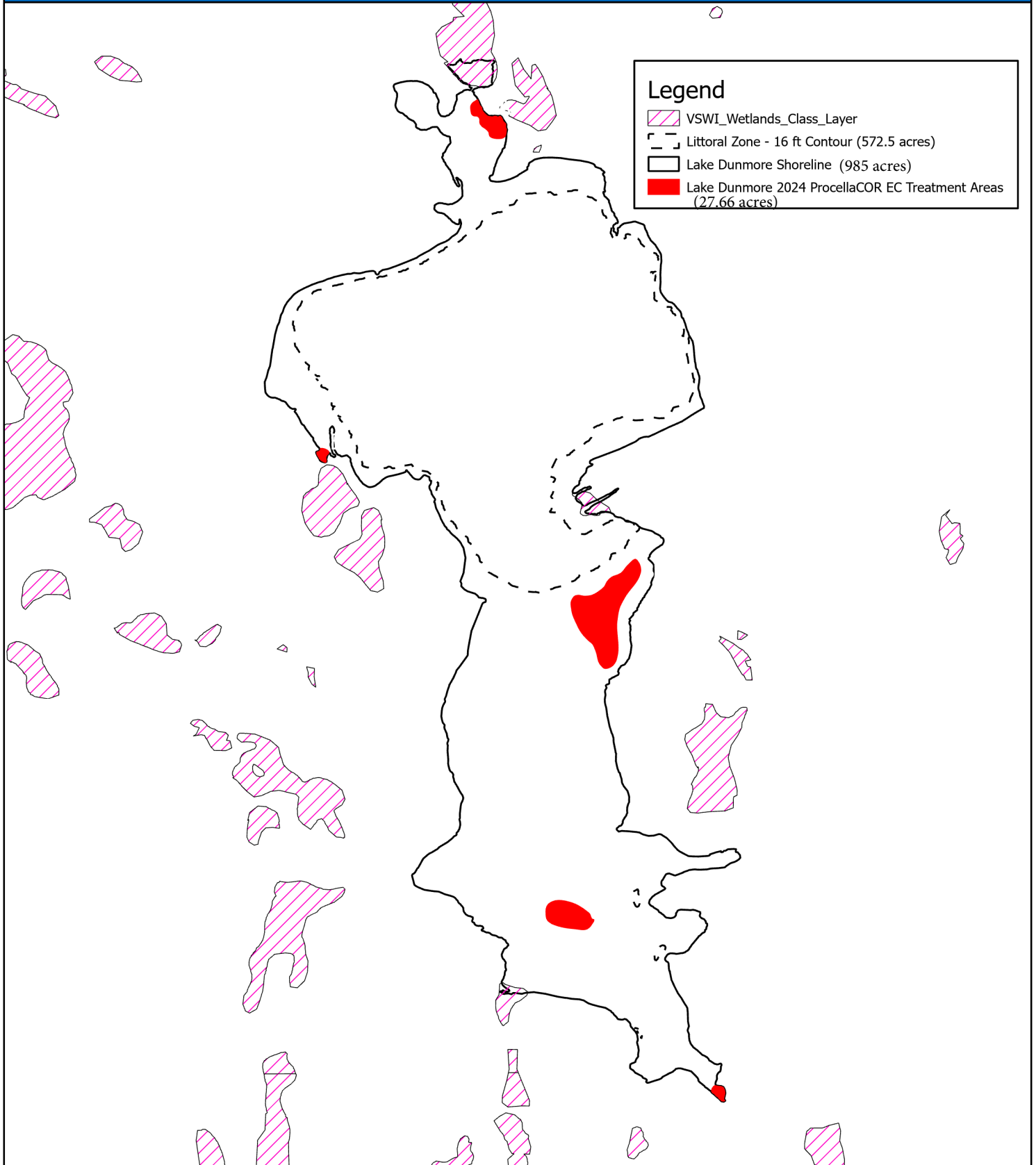
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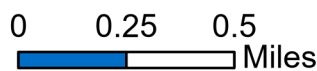
Figure 2. Lake Dunmore 2024 Wetlands and Littoral Zone



LAKE DUNMORE
Leicester/Salisbury, Vermont
Addison County
Center: 73°4'32"W 43°54'2"N



LAKE DUNMORE



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Advisory Notice and Map

The Lake Dunmore Fern Lake Association and SŌLitude Lake Management plan to conduct an aquatic herbicide treatment using SePRO **ProcellaCOR® EC** (active ingredient florpyrauxifen-benzyl) in Lake Dunmore as authorized under Aquatic Nuisance Control Permit #3016-ANC-C

The target date/time for the initial treatment is **Tuesday, July 16, 2024 beginning at 8 am.**

Signs will be posted around the shoreline, along adjacent roadways; the Town Offices; and at all public and private campgrounds and access points with the exact treatment date/time and updated use advisories.

Lake Water Advisory Use Restrictions

- It is recommended there be **NO USE** of Lake Dunmore waters and water from the outlet stream **FOR ANY PURPOSE** on the day of treatment including boating, fishing, swimming, domestic (household) use, or irrigation.
- It is recommended that swimming/wading, boating, fishing and domestic (household) use may resume 24 hours after completion of treatment.
- It is recommended there be **NO USE** of water from Lake Dunmore and from the outlet stream **FOR RESIDENTIAL AND OTHER NON-AGRICULTURAL IRRIGATION** beginning the day of treatment and continuing until notification is provided that the active ingredient in SePRO ProcellaCOR® EC is at or below 2 parts per billion **OR** until after a 7-day waiting period has passed, whichever is longer. Established turf may be irrigated immediately after treatment.

The exact duration of the above restrictions on this Notice is unknown. Please refer to the posted signs and the website listed below for up-to-date information regarding water use restrictions. Bottled water is available upon request by the Lake Dunmore Fern Lake Association (contact information below) to any person restricted from using its domestic water supply for drinking or food or drink preparation. **IF A RESIDENCE OR COTTAGE IS RENTED** at any time after the initial treatment until December 31, 2024, the property owner is responsible for informing all tenants of the treatment and these advisory water use restrictions.

Any person who chooses to ignore these use advisories does so at their own risk.

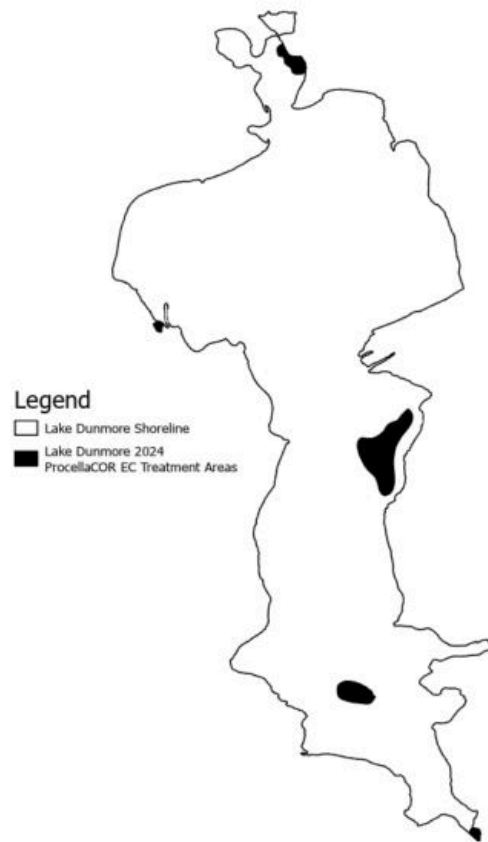
Please refer to www.solitudelakemanagement.com/vermont for additional information and updated water use advisories and recommendations.

For additional information contact:

Marc Bellaud
SŌLitude Lake Management
590 Lake Street
Shrewsbury, MA 01545
Office: 508-865-1000

David Johnson
Lake Dunmore Fern Lake Association
PO Box 14
Salisbury, VT 05469
Cell: 609-203-9242

Olin Reed
Dept. of Environmental Conservation
1 National Life Drive
Montpelier, VT 05602
Phone: 802-490-6199



WARNING

AQUATIC PESTICIDE IN USE

Due to aquatic herbicide use in Lake Dunmore with SePRO ProcellaCOR EC (active ingredient florpyrauxifen-benzyl), authorized under Aquatic Nuisance Control Permit #3016-ANC-C, the following advisory water use restrictions are in effect for the entire lake and outlet stream.

LAKE WATER ADVISORY USE RESTRICTIONS

- It is recommended there be NO USE of Lake Dunmore waters and water from the outlet stream FOR ANY PURPOSE including boating, fishing, swimming, domestic (household) use or irrigation, the day of treatment on:

Tuesday, July 16, 2024 beginning at 8 am

- It is recommended swimming/wading, boating, fishing and domestic (household) use may resume on:

Wednesday, July 17, 2024, beginning at 8 am

- It is recommended USE of water from Lake Dunmore FOR IRRIGATION PURPOSES including for watering lawns, trees, or other plants may resume on:

Monday, July 22, 2024, beginning at 9 am or earlier based on sampling results, please refer to the website below for results

Please refer to www.solitudelakemanagement.com/vermont for additional information and updated water use advisories and recommendations.

Bottled water is available upon request by the Lake Dunmore Fern Lake Association (contact information below) to any person restricted from using its domestic water supply for drinking or food or drink preparation. Any person who chooses to ignore these use advisories does so at their own risk.

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