

Date: May 15, 2020

To: Misha Cetner, VT DEC Lakes and Ponds



Lake & Shoreland
Permitting Approved
2020.05.21 11:43:14 -04'00'

From: Kara Sliwoski, District Manager

Cc: Jim Meyersburg, Katie Gellenbeck, Dave Johnson, 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 2020 season.

The attached map shows the final treatment areas for the 2020 season, as well as the proposed FastEST water sample location map for approval. A treatment date of Wednesday, June 17, 2020 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 May 12, 2020 to verify and finalize the treatment areas.

Summary of Treatment Area EWM

Area A – This area, the “spine” has historically been a challenging area to manage EWM due to its vast size and quick drop-off to deeper waters, where the EWM is typically growing. The plants in this area are scattered and in varying densities, but present throughout.

Area B – The growth in this area is also scattered, in moderate densities, and mixed in within native species, which coupled with the shallower depths does not allow for efficient DASH efforts here.

Both areas have not been treated since the 2016 with Renovate OTF.

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	Spine	38.8	8	ProcellaCOR EC	3	931.2
B	South cove	1.7	5	ProcellaCOR EC	3	25.5
	TOTALS	40.5				956.7

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 9-10 am and ending at approximately 2-3 pm. The State boat launch off of West Shore Road will be the base of operations.

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When we surveyed the lake on May 12, 2020, EWM plants were more actively growing in shallower waters than deeper, likely due to the colder than usual spring. However, both new and old stems were generally 1 foot tall and showing active growth with red tips on the apical meristems; most growth was observed on tall, existing stems from the prior growing seasons. We will take a temperature/dissolved oxygen profile immediately prior to treatment.

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:

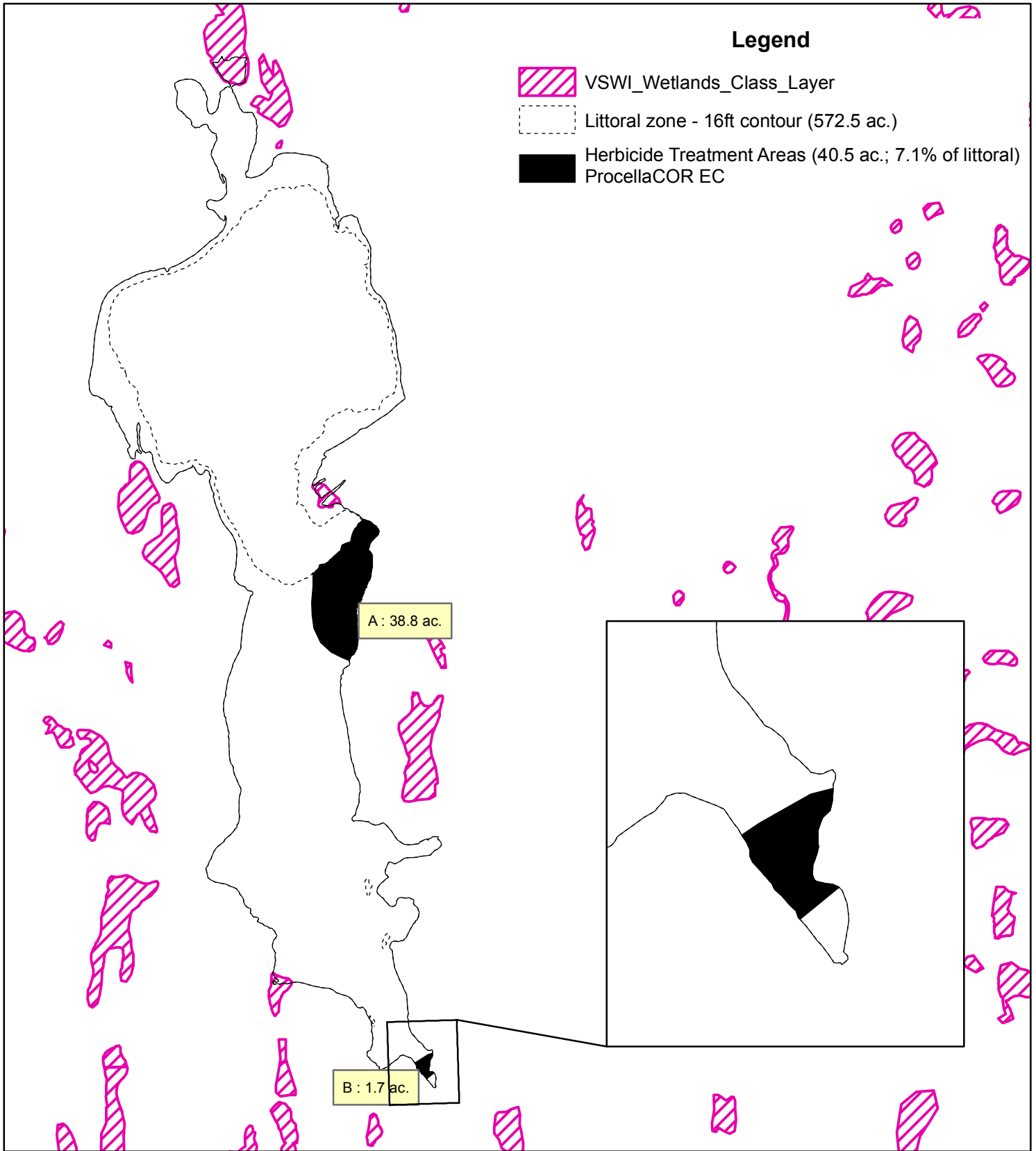
- Inspected and all plants, plant fragments and animals will be removed
- The plug will be removed and the bilge water will be drained
- The boat hull, motor, and all spray equipment that was placed in the water will be sprayed with "Formula 409 Cleaner Degreaser Disinfectant" or similar
- The boat and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

Attached Documents

- 2020 treatment areas map – with littoral zone and ANR wetlands shapes
- 2020 FastEST sample location map
- Potentially impacted non-target species maps from DFWI 2019 report

Please feel free to contact Kara Sliwoski (508-556-1619, ksliwoski@solitudelake.com) immediately if you require any additional information for this treatment notice.

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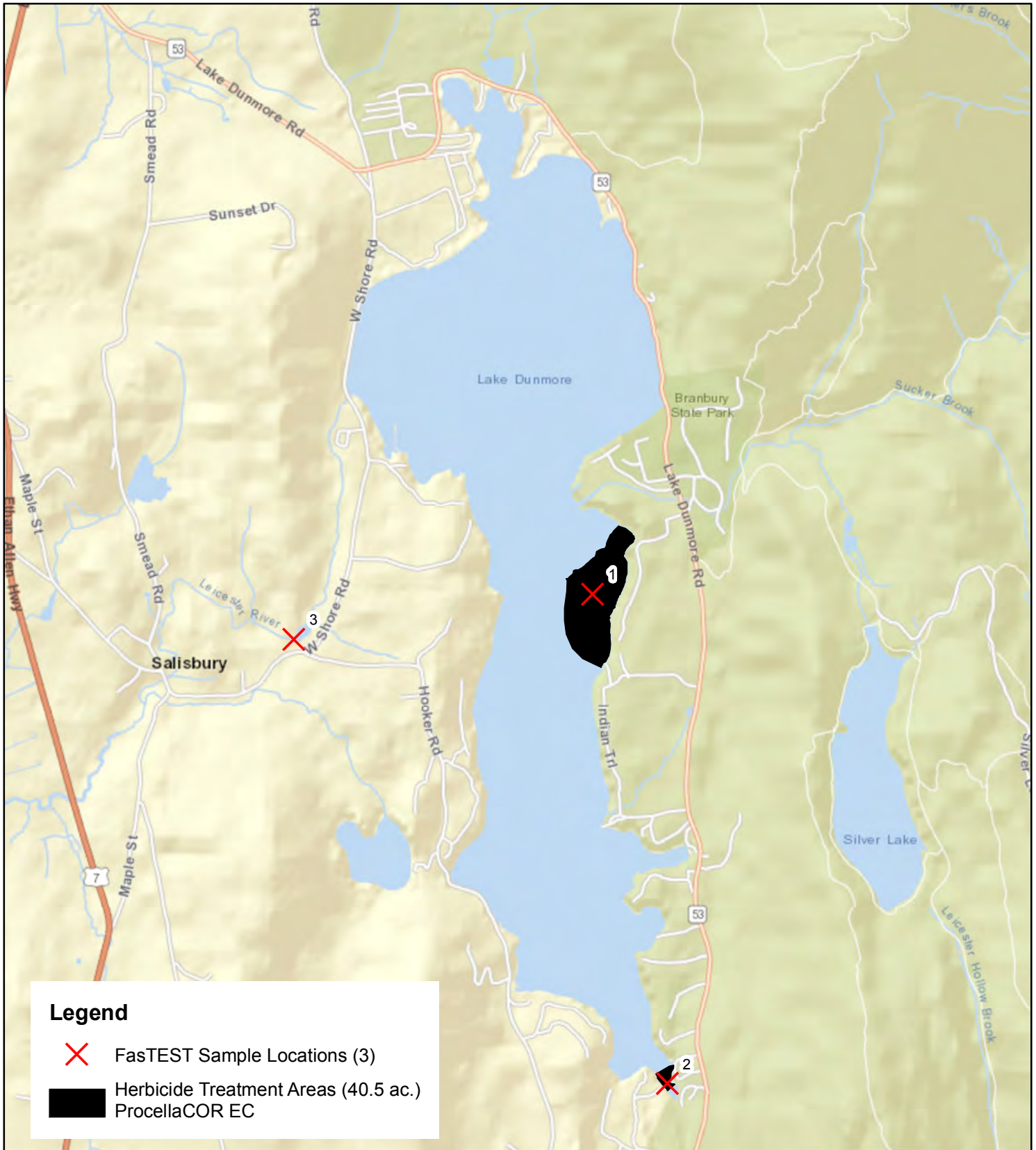
Lake Dunmore
Leicester / Salisbury, VT
Addison County
43.9114°, -73.0734°

Lake Dunmore


0 2,500 5,000 Feet

1:28,266

Map Date: 05/15/20
Prepared by: KS
Office: Shrewsbury, MA




Lake Dunmore
Leicester / Salisbury, VT
Addison County
43.9114° N, 73.0734° W




Lake Dunmore

0 2,300 4,600 Feet



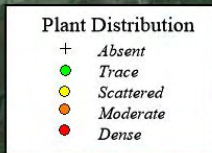
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Map Date: 05/15/20
Prepared by: KS Office:
Shrewsbury, MA

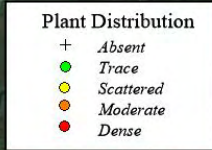
Lake Dunmore
2019

Distribution of
Watershield
Brasenia schreberi



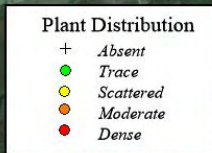
Lake Dunmore
2019

Distribution of
Coontail
Ceratophyllum demersum



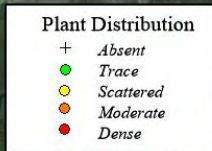
Lake Dunmore
2019

Distribution of
Southern naiad
Najas guadalupensis



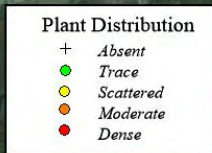
Lake Dunmore
2019

Distribution of
Yellow pondlily
Nuphar variegata



Lake Dunmore
2019

Distribution of
White pondlily
Nymphaea odorata



Lake Dunmore
2019

Distribution of
Floating heart
Nymphoides cordatum

