

A scenic view of Snyder's Lake, a calm body of water reflecting the surrounding landscape. In the background, there are large, forested mountains under a soft, hazy sky. The shoreline is lined with dense evergreen trees. The overall color palette is dominated by cool blues, greens, and greys, creating a serene and natural atmosphere.

Snyder's Lake Association

March 9, 2019

Topics

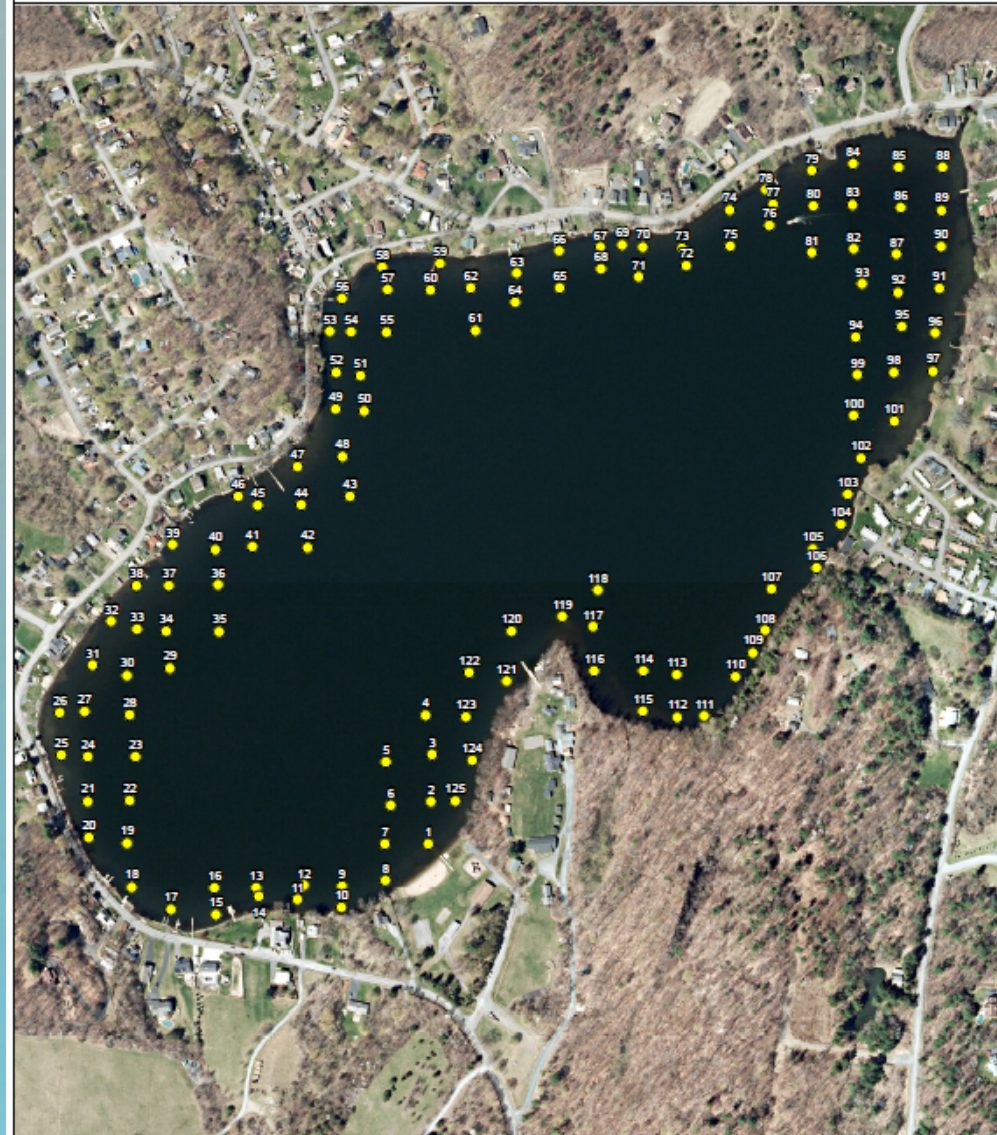
- Snyder's Lake Association Organizational Activities
 - Renamed, reincorporated, 501c3
 - Focus: Environment & Community
 - Board of Directors
 - Treasurer
- New Business
 - Aquatic Weeds

September 20, 2018

125 Sample Sites

SAMPLE SITE LOCATION

SOLITUDE
LAKE MANAGEMENT



SNYDERS LAKE
Aquatic Vegetation Survey
September 20, 2018

Total Sample Sites: 125

Sample Site

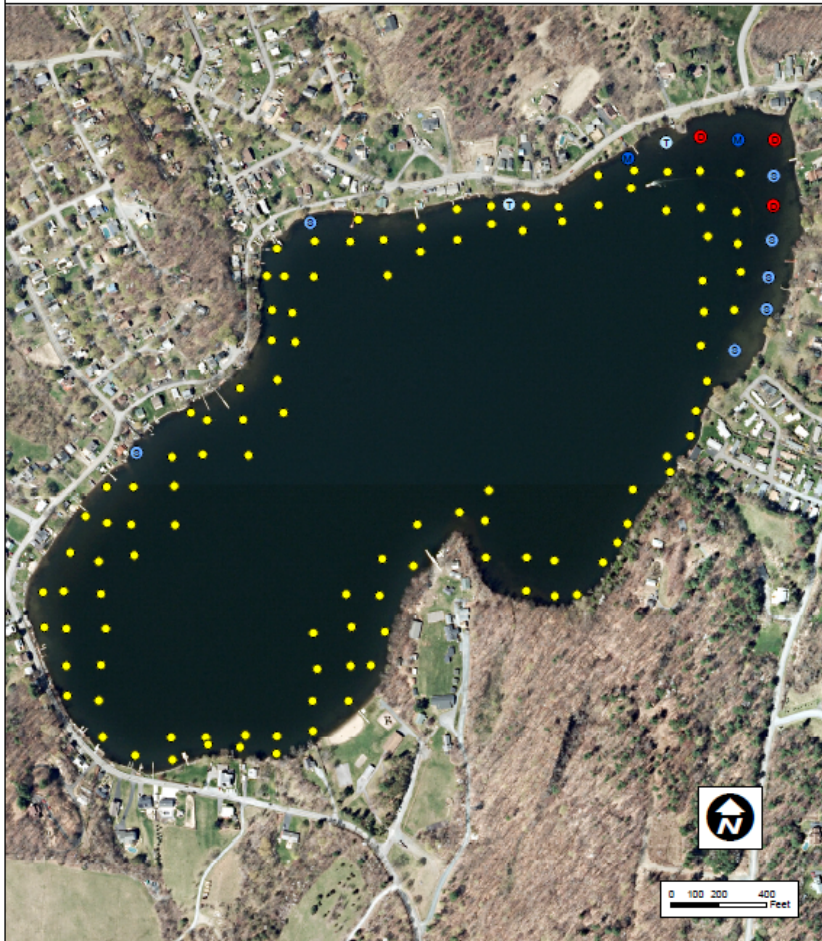


0 100 200 400
Feet

Floating & Submerged Vegetation

TOTAL FLOATING VEGETATION
DISTRIBUTION

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LAKE MANAGEMENT



SNYDERS LAKE
Aquatic Vegetation Survey
September 20, 2018

Total Sample Sites: 125

Plant
Density

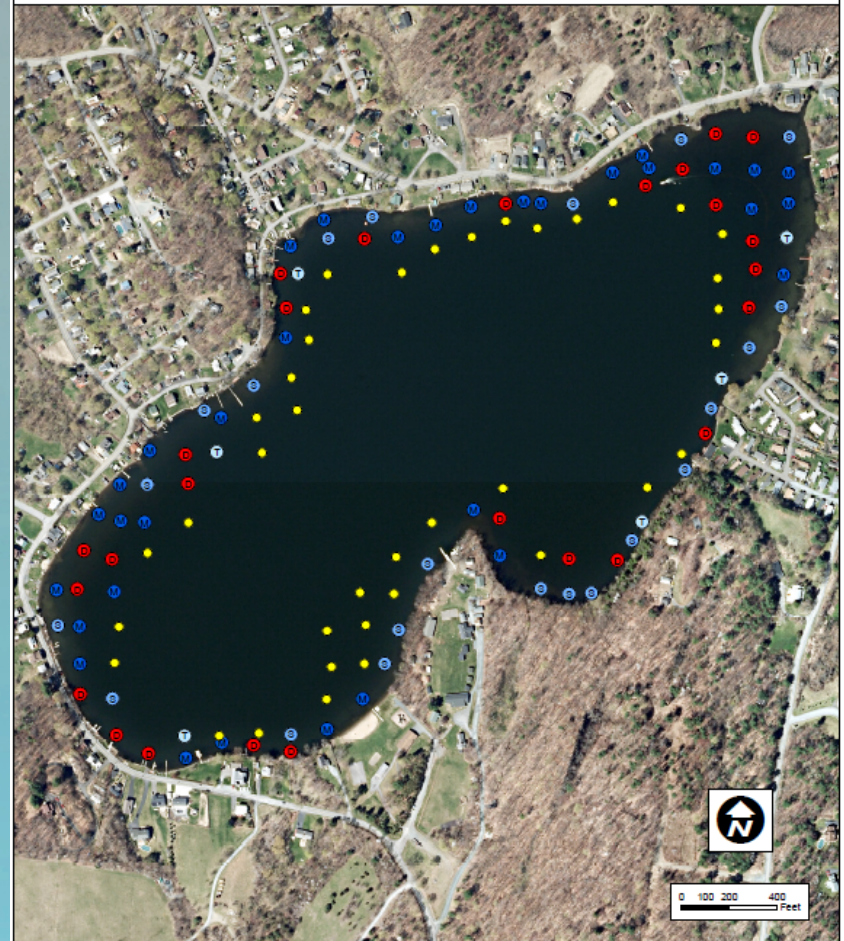
- No Plants
- Trace Plants
- Sparse Plants
- Medium Plants
- Dense Plants

Percent
Distribution

| Abundance | Sites | Percent |
|-----------|-------|---------|
| Total | 14 | 11% |
| Trace | 2 | 14% |
| Sparse | 7 | 50% |
| Medium | 2 | 14% |
| Dense | 3 | 21% |

TOTAL SUBMERSED VEGETATION
DISTRIBUTION

SOLITUDE
LAKE MANAGEMENT



SNYDERS LAKE
Aquatic Vegetation Survey
September 20, 2018

Total Sample Sites: 125

Plant
Density

- No Plants
- Trace Plants
- Sparse Plants
- Medium Plants
- Dense Plants

Percent
Distribution

| Abundance | Sites | Percent |
|-----------|-------|---------|
| Total | 87 | 70% |
| Trace | 6 | 7% |
| Sparse | 22 | 25% |
| Medium | 33 | 38% |
| Dense | 26 | 30% |

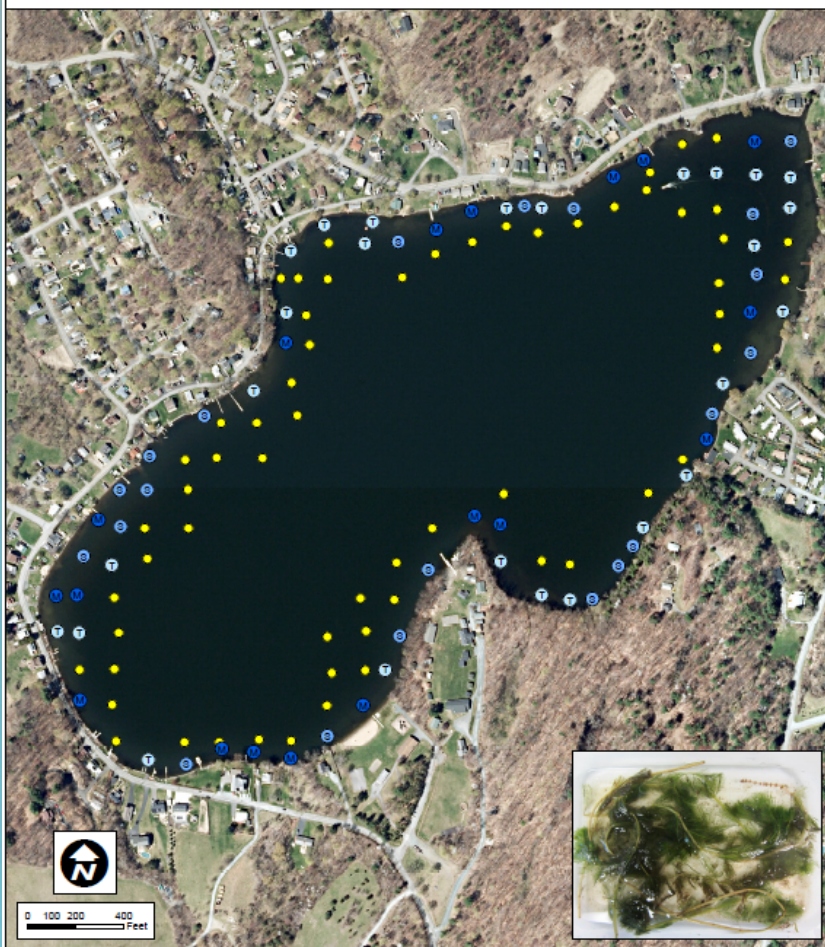
Results

| Aquatic Macrophyte | Scientific Name | Type | 2018 site abundance | 2018 % site abundance |
|-------------------------------|-------------------------------|------|---------------------|-----------------------|
| Total aquatic species | | | 87 | 70 |
| Eurasian Water Milfoil | <i>Myriophyllum spicatum</i> | S | 65 | 52 |
| Coontail | <i>Ceratophyllum demersum</i> | S | 68 | 55 |
| Long-Leaf Pondweed | <i>Potamogeton nodosus</i> | S | 32 | 26 |
| Water Stargrass | <i>Heteranthera dubia</i> | S | 19 | 15 |
| Brittle naiad | <i>Najas minor</i> | S | 8 | 6 |
| Filamentous Algae | | A | 8 | 6 |
| Common Waterweed | <i>Elodea canadensis</i> | S | 7 | 6 |
| Slender Naiad | <i>Najas flexilis</i> | S | 7 | 6 |
| Muskgrass | <i>Chara sp.</i> | A | 4 | 3 |
| Small Pondweed | <i>Potamogeton pusillus</i> | S | 3 | 2 |
| Water Starwort | <i>Callitriche sp.</i> | S | 2 | 2 |
| Curlyleaf Pondweed | <i>Potamogeton crispus</i> | S | 1 | 1 |
| Small waterwort | <i>Elatine minima</i> | S | 1 | 1 |
| White Water lily | <i>Nymphaea sp.</i> | F | 13 | 10 |
| Small Duckweed | <i>Lemna minor</i> | F | 3 | 2 |
| Watermeal | <i>Wolffia sp.</i> | F | 1 | 1 |

Prominent Species

EURASIAN WATER MILFOIL (*Myriophyllum spicatum*)
DISTRIBUTION

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Plant
Density

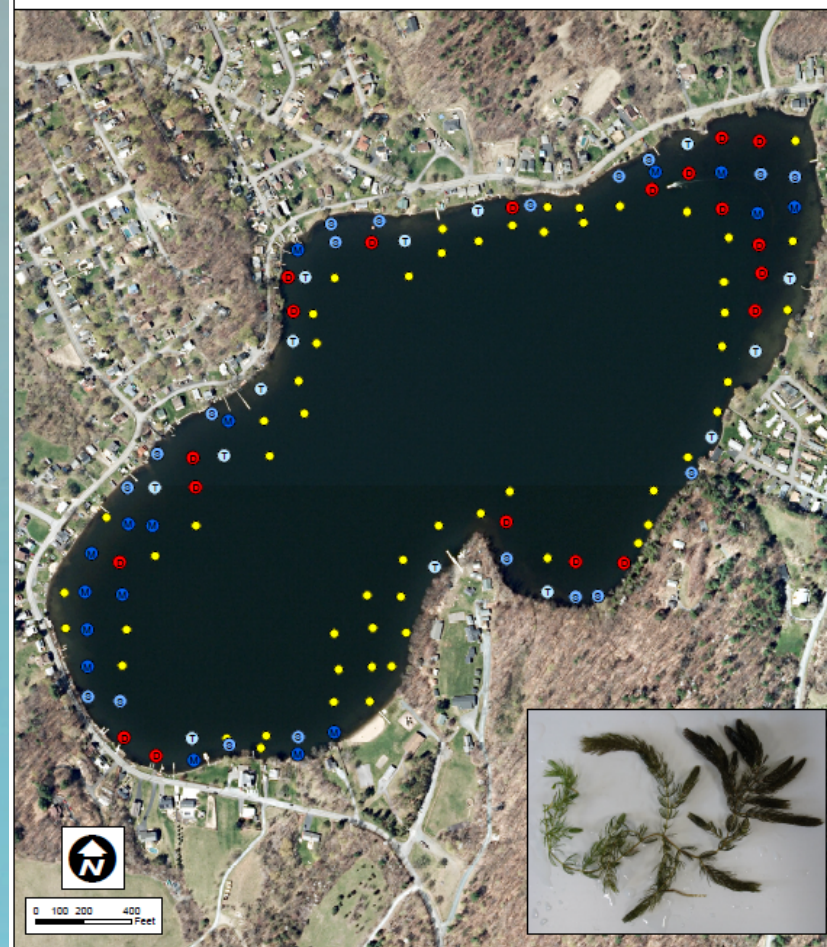
- No Plants
- Trace Plants
- Sparse Plants
- Medium Plants
- Dense Plants

Percent
Distribution

| Abundance | Sites | Percent |
|-----------|-------|---------|
| Total | 65 | 52% |
| Trace | 26 | 40% |
| Sparse | 21 | 32% |
| Medium | 18 | 28% |
| Dense | 0 | 0% |

COONTAIL (*Ceratophyllum demersum*)
DISTRIBUTION

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SNYDERS LAKE
Aquatic Vegetation Survey
September 20, 2018

Total Sample Sites: 125

Plant
Density

- No Plants
- Trace Plants
- Sparse Plants
- Medium Plants
- Dense Plants

Percent
Distribution

| Abundance | Sites | Percent |
|-----------|-------|---------|
| Total | 69 | 56% |
| Trace | 14 | 20% |
| Sparse | 19 | 28% |
| Medium | 16 | 23% |
| Dense | 20 | 29% |

Recommendations

The abundance of milfoil as documented in the survey supports the observations of the community that Eurasian watermilfoil is once again negatively impacting lake use.

Milfoil is expected to increase in density and range again in 2019, justifying a broad-based control effort.

The use of mechanical harvesting is not recommended for milfoil control, since the species spreads so effectively through fragmentation.

A repeat of the past Sonar application of the late 90's is not recommended either. The seasonal decline of many native species that coincides with a medium dose Sonar application is not desirable when more selective herbicide products are available.

Recommendations

Navigate label restrictions are more easily accommodated in the dilution modeling process, so that has become the preferred product for selective milfoil control in NY.

| Navigate Treatment Plan | | |
|-------------------------|-------------|---------------------|
| Year | Treatment | Treatment Area |
| 2019 | Navigate | Full lake perimeter |
| 2020 | ProcellaCOR | Selected locations |
| 2021 | ProcellaCOR | Selected locations |

ProcellaCOR, provides even greater selectivity than Navigate. In addition there is less toxicity and greater long-term weed control which will allow us to not have to conduct additional treatments in subsequent years. This product was just approved for use in NYS on Feb. 22, 2019. This is the product that we have requested for use within the application submitted to NYS DEC for use in Snyder's Lake.

| ProcellaCOR Treatment Plan | | |
|----------------------------|-------------|---------------------|
| Year | Treatment | Treatment Area |
| 2019 | ProcellaCOR | Full lake perimeter |

Post-treatment water use restrictions

| Product | Swimming | Fishing | Livestock Watering | Potable Water | Irrigation |
|----------------|----------|---------|--|---|--|
| ProcellaCOR EC | None | None | Prohibited until concentration is < 1ppb | None, since application rate is <50 ppb | Prohibited for 5 days or until concentration is < 1ppb |

<https://corpslakes.erd.c.dren.mil/employees/learning/webinars/18Apr25-ProcellaCOR.pdf>

Costs & Funding Sources

| Year | Activity | Completion Status | Cost | Funding Source |
|------|---------------------------|-------------------|----------|------------------------|
| 2018 | Aquatic Weed Survey | Complete | \$3935 | Snyder's Lake Assoc. |
| 2019 | DEC Herbicide Application | Complete | \$1800 | Snyder's Lake Assoc. |
| 2019 | ProcellaCOR | May 2019 | \$18,390 | Town of NG Green Space |

LETTER OF NOTIFICATION - Proposed Aquatic Plant Management – Snyder's Lake, NY

Date: _____

The Snyder's Lake Association, in cooperation with the Town of North Greenbush has applied to NYSDEC to use the aquatic herbicide **ProcellaCOR EC** to control the invasive plant **eurasian watermilfoil** (*Myriophyllum spicatum*) along the shoreline of Snyder's Lake. The Program will be conducted by the lake management firm SOLITUDE LAKE MANAGEMENT, NYSDEC License No. 16505. A NYSDEC permit application has been submitted for approval for the application of the herbicide. It is anticipated that an application totaling ~27 acres of the 108 acre lake will take place between May 20 - June 27, 2019 following permit approval. Notification of the treatment will also be posted along the shoreline of Snyder's Lake the day of the application. **The following water uses are restricted during the application, and for the additional periods identified below.**

Post-treatment water use restrictions

| Product | Swimming | Fishing | Livestock Watering | Potable Water | Irrigation |
|-----------------------|----------|---------|--|---|--|
| ProcellaCOR EC | None | None | Prohibited until concentration is < 1ppb | None, since application rate is <50 ppb | Prohibited for 5 days or until concentration is < 1ppb |

The product label is available for review on **SOLITUDE** Lake Management's website:

<http://www.solitudelakemanagement.com/product-labels-new-york>

In the event that you as a riparian owner or vested riparian user have any substantive objections to the proposed aquatic plant management program or water use restrictions, please contact the following agency within 21 days of receipt of this notice. Your objection must be in writing and demonstrate that your use of water will be significantly adversely affected (per the NYSDEC's policy). Lack of comment will be considered consent to the treatment and water use restrictions.

Mark ~~Solan~~
Bureau of Pesticides Management, NYSDEC, Region 4
1130 North Westcott Rd.
Schenectady, NY 12306-2014

If you wish further information about the proposed management program or need hard copies of the product label, please contact **SOLITUDE** Lake Management at 888-480-5253 between 9:00 am and 5:00 pm, Mon. – Friday

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P.O. BOX 969, VIRGINIA BEACH, VA 23451 | 888.480.LAKE (5253) | SOLITUDELAKEMANAGEMENT.COM

Letter of Notification

Mailed out to all lakefront and downstream property owners on Monday, March 5, 2019.