

ENVIRONMENTAL INCORPORATED

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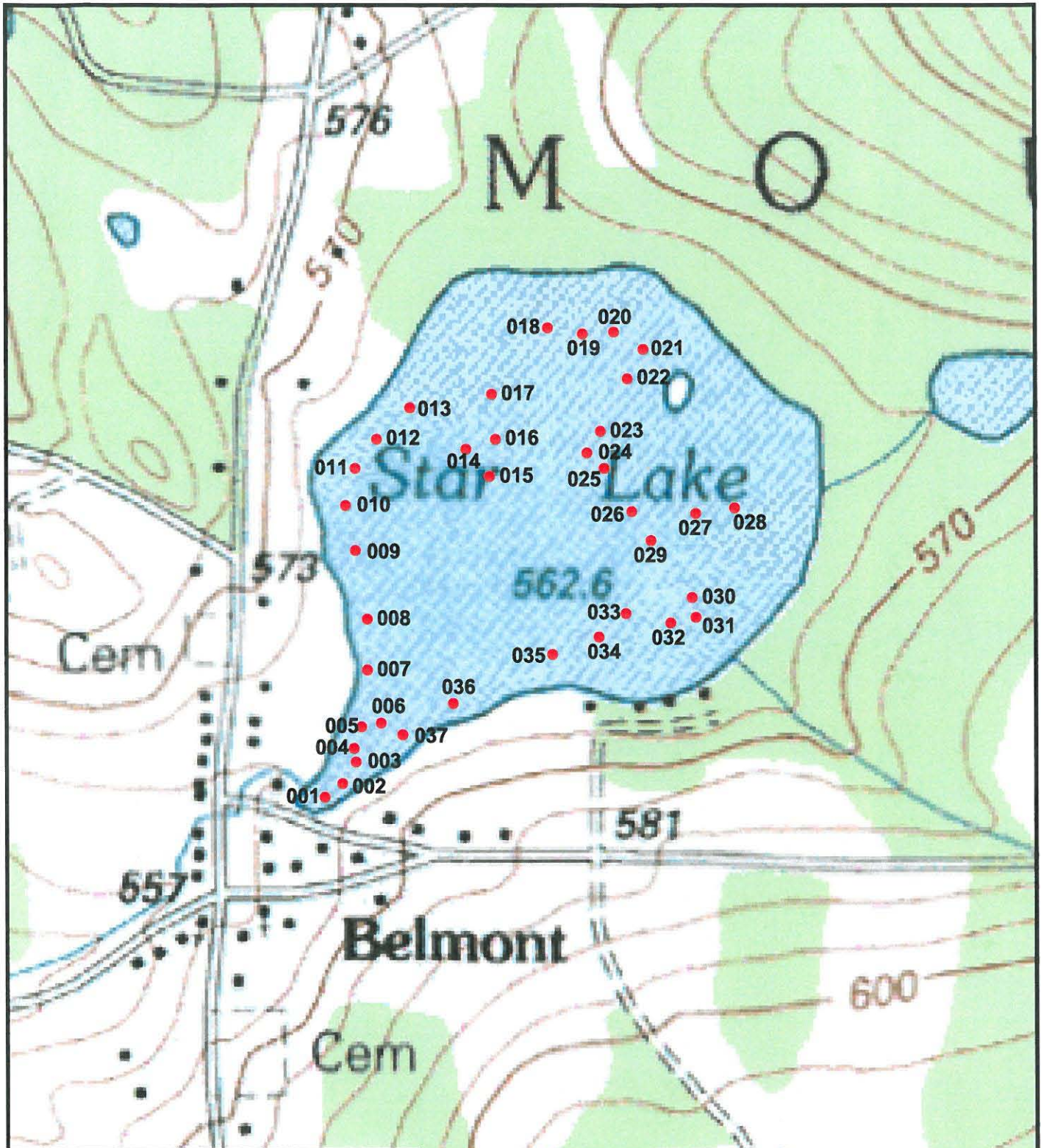
**POST-TREATMENT SURVEY
IN
STAR LAKE, BELMONT, VERMONT**

SEPTEMBER 7, 2008

At 9:00 AM, Lycott Environmental, Inc., represented by Lee Lyman and assisted by Sharon Ricardi, began the post-treatment survey of Star Lake located in Belmont, Vermont. The survey began near the outlet (see Figure 1 with GPS Survey Data Points) and moved in a clockwise direction around the lake. At each GPS point the rake toss method was utilized to identify the species of aquatic plants and the relative abundance. The weather at that time was overcast, 60°, with intermittent showers and no wind. Water clarity was excellent as we could see the bottom of the lake in all areas, thus not requiring numerous rake tosses. In general, the lake was 100% covered with vegetative growth. The entire bottom of the lake had alternating growth of *Nitella* (*Nitella*) and Filamentous Algae. The dominant plant was Bigleaf Pondweed (*Potamogeton amplifolius*) with large patches covering approximately sixty (60) percent of the lake's surface. Lilies (*Nymphaea*), primarily Yellow Lilies, also known as Spatterdock (*Nuphar*), dominated the southeastern section of the lake. The entire lake was found to be free of any Eurasian Water-milfoil (*Myriophyllum spicatum*) plants, which was the plant targeted for management at the time the northern section of the Star Lake was treated on July 12, 2007 with the US EPA registered herbicide Renovate (active ingredient triclopyr).

As a result of the Renovate treatment in 2007, the water body is still free of Eurasian Water-milfoil. However, many of the residents have complained that recreational activities are impaired due to the heavy growth of Bigleaf Pondweed.

As a result of this survey, it appears that a treatment for milfoil will not be necessary in 2009.



Legend

● Survey points

**Aquatic Vegetation Survey Map
September 7, 2008**

**Star Lake
Belmont/Mt. Holly, VT**

FIGURE 1

USGS Quadrangle
7.5-Minute Topos
Maptech Data

Lake Area: 63 Acres



Scale 1:6,500



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Table 1: GPS Survey Data

STAR LAKE SURVEY

September 7, 2008

<u>Points</u>	<u>Species Present</u>	<u>Relative Abundance</u>
001	<i>P. amplifolius</i> Filamentous algae <i>Nuphar variegata</i>	scattered, moderate scattered, moderate growth on bottom scattered
002	Filamentous algae <i>Nuphar variegata</i>	moderate on bottom scattered
003	<i>P. amplifolius</i> Filamentous algae	abundent abundent
004 - 005	<i>P. amplifolius</i> Filamentous algae <i>Nitella</i>	abundent abundent abundent
006	<i>Nitella</i> <i>P. amplifolius</i>	moderate moderate
007 - 008	Filamentous algae <i>P. amplifolius</i> <i>Nuphar variegata</i>	moderate on bottom scattered scattered
009	Filamentous algae	moderate on bottom
010	Filamentous algae <i>P. amplifolius</i> <i>Nuphar variegata</i>	moderate on bottom scattered scattered
011	Filamentous algae	moderate on bottom
012	Filamentous algae <i>P. amplifolius</i> <i>Nuphar variegata</i>	moderate on bottom scattered scattered
013	<i>Nitella</i> <i>P. amplifolius</i>	moderate scattered
014	<i>Nitella</i> <i>P. amplifolius</i>	abundent abundent
015	<i>Nitella</i> <i>P. amplifolius</i>	moderate abundent
016	<i>P. amplifolius</i> <i>Nuphar variegata</i>	abundent scattered
017 - 019	Filamentous algae <i>P. amplifolius</i> <i>Nuphar variegata</i>	abundent on bottom scattered scattered



020 - 021	<i>Nitella</i>	abundent
022	Filamentous algae <i>P. amplifolius</i> <i>Nuphar variegata</i>	moderate moderate scattered
023 - 025	<i>Nitella</i>	abundent
026	<i>P. amplifolius</i> <i>Nuphar variegata</i>	abundent moderate
027 - 028	Filamentous algae <i>P. amplifolius</i> <i>Nuphar variegata</i>	abundent on bottom scattered abundent
029	Filamentous algae	abundent
030	<i>P. amplifolius</i> <i>Nuphar variegata</i>	scattered scattered
031	<i>P. amplifolius</i> <i>Nuphar variegata</i> <i>Brasenia</i>	scattered scattered scattered
032	<i>P. amplifolius</i>	abundent
033 - 037	<i>P. amplifolius</i> <i>Nuphar variegata</i> Filamentous algae	scattered scattered abundent on bottom

