

# INVASIVE SPECIES ALERT: Hybrid Watermilfoil found in Silver Lake

Invasive hybrid watermilfoil is expanding lakewide in the "Jewel of NSP."

Help to protect our community's natural resource & join the Silver Lake Improvement Association (SLIA) in supporting a first time, full lake treatment to eliminate this aquatic invasive species.

## TOGETHER WE CAN PROTECT SILVER LAKE



In 2021 & 2022 Ramsey County lab tests identified it as a 'hybrid' watermilfoil, and Aquatic Invasive Species (AIS). It has been found in other metro lakes.



Lake Improvement Consulting, partnered with Barr Engineering, proposes three fluridone treatment applications including initial application and a 'bump' treatment Spring 2024.



DNR approved SLIA for full lake treatment in 2023-2024 vs the 10% normally allowed AND provided an additional \$1,500 in grant funding.



Invasive hybrid watermilfoil is resistant to traditional, less expensive treatments such as diquat.



The cost for fluridone treatments and water sampling is estimated to be close to \$20,000.

Despite larger upfront costs, this one-time, full lake treatment will offset the need for additional offshore applications through 2025, possibly longer.

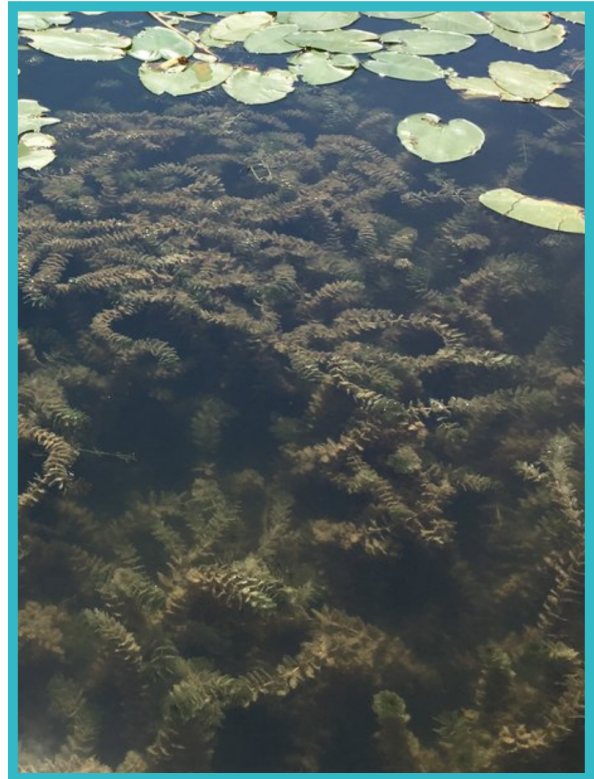
### Fluridone Treatment Facts:

- Fluridone is a slow-acting, systemic herbicide that inhibits the formation of carotene (plant pigment essential for photosynthesis).
- Treatment only impacts plants, not animals, fish, or humans.
- No restrictions after treatment – fishing, swimming, drinking water.
- Fluridone is the recommended treatment for this aquatic invasive species and has shown to reduce hybrid watermilfoil to as low as 1% remaining after treatments in some local lakes (Coon West, Crooked, Josephine, & Ham).
- Treatment period is outside of native plant growing season, offering greater protection of native plants.

## What is Hybrid Watermilfoil?



Eurasian and native, northern milfoil hybridize to form hybrid watermilfoil. This hybrid milfoil is considered INVASIVE and is now found in Silver Lake.



## Why Does This Matter?

- **Hybrid milfoil is extremely invasive and will cover the full lake over time.**
- **Silver lake is the headwater of downstream lakes** including Long Lake, Demontreville, Lake Olson, Lake Jane, Lake Elmo, to the St Croix.
- **Silver Lake is the 'Jewel of NSP'** and is used for swimming, boating, fishing, kayaking and paddleboarding. Residents of NSP see the lake as a reason to stay, work, and live in NSP.

## Join & Support the SILVER LAKE IMPROVEMENT ASSOCIATION

*"Enhancing the water quality, recreational use  
and natural beauty of Silver Lake"*

[silverlakensp.org](http://silverlakensp.org)



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