



Capital Region PRISM AIS Survey Report

Date(s): June 25th 2024

Site Name: Archer Vly / Archer Valley Lake

Site Size: 22.1 acres

Waterbody Perimeter: 1.1 miles

Mean Depth: --

GPS Location: 43.157629, -73.962208

Physical Address: Plank Rd, Porter Corners, NY 12859

Town: Greenfield

County: Saratoga

Property Owner Contact:

NYS Department of Environmental Conservation

Primary Contact: DEC Region 5 Warrensburg Office | (518) 623-1200 | info.r5@dec.ny.gov

Survey Leader: Kristopher Williams

Phone: (518) 885-8995

iMapInvasives User ID: 9274



Section 1: Survey Summary

On June 25th 2024 the Capital Region PRISM conducted an aquatic invasive species macrophyte survey on Archer Valley Lake, located in Saratoga County. The survey focused on early detection of Tier 1, 2 and 4 aquatic invasive species. Upon completion of the survey it was determined that Chinese mystery snail is present in the waterbody. No new AIS were detected. *Pomacea ssp.* is present.

Site Description

Archer Valley Lake is a 22.1-acre waterbody located in Greenfield, NY. The waterbody is part of the NYS DEC Conservation Easement Lands Lake Desolation Road Tract. The waterbody substrate is muck with a bottom cover of macrophytes at the far end of the lake. Archer Valley Lake is a public waterbody with a small hand launch present. Non-motorized watercraft are permitted.

Survey Techniques

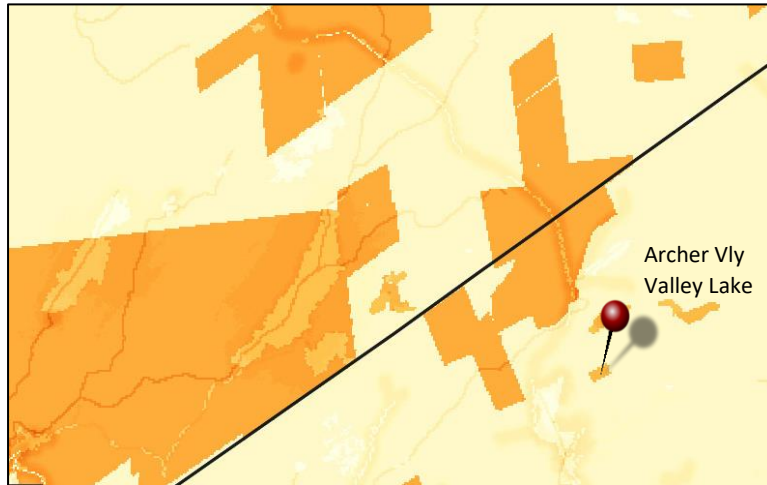
Entire waterbody, top water

- Top-side (visual)
- Meandering Rake Toss: Cornell Method



NYS Invasive Species Prioritization Model

Archer Valley Lake is located near an area with a medium-high comprehensive score on the NYS Invasive Species Prioritization Model. Locations with high comprehensive scores have high ecological significance, a high risk of spread of invasives into the area, and high value according to their protected status. [NYS Invasive Species Prioritization Model](#)



Section 2: Survey Result Summary

Aquatic Invasive Species Presence

- Chinese Mystery Snail (*Cipangopaludina chinensis*)

Common Name	Scientific Name	Location (GPS)	Growth Type	Phenology	Abundance
Chinese Mystery Snail	<i>Cipangopaludina chinensis</i>	43.157629, -73.962208	Animal	Animal	Sparse, throughout waterbody

Growth Type: Tree, Shrub, Vine, Ground Cover, Herbaceous, Riparian, Submerged, Floating, Emergent, Wetland, Pest, Animal

Phenology: Flowering, Leaf unfolding, fruit ripening, leaf color change, dormant, swarming, spawning, emergence (insects), migrating, in seed, senesce

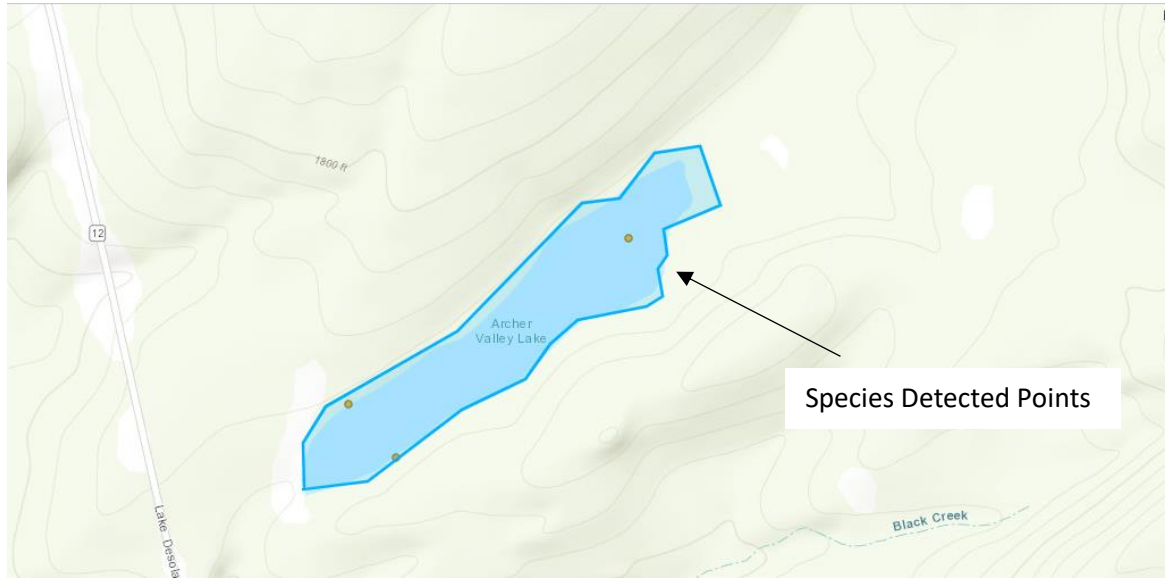
Distribution/Abundance: Trace (single plant/clump), Sparse (scattered plants/clumps), Dense plants/clumps, linearly scattered, Monoculture

Native Species Presence

- Broad leaved pondweed (*Potamogeton amplifolius*)
- Common Bladderwort (*Utricularia vulgaris*)
- Pickerelweed (*Pontederia cordata*)
- Watershield (*Brasenia schreberi*)
- American Eelgrass, (*Vallisneria americana*)
- Spatter Dock (*Nuphar lutea*)
- Quillwort *ssps.*
- Variable Leaf Pondweed (*Potamogeton gramineus*)



Map



Section 3: Summary of Recommendations

Prevention

Prevention efforts are recommended to reduce the chance of new aquatic invasive species introductions into Archer Valley Lake. The restricted access to the lake with only non-motorized watercraft helps prevent unwanted species being introduced through reduction of visitors.

- Identifying and reporting any suspected aquatic invasive species is encouraged to ensure early detection.

Management

- N/A

Post-Survey Monitoring

Archer Valley Lake is not considered a Priority Waterbody in the Capital Region PRISM and will not be surveyed on a regular schedule. The Capital Region PRISM will conduct triannual surveys for early detection of aquatic invasive species.

Will an Invasive Species Management Plan be created?

- N/A

