



Capital Region PRISM AIS Water Chestnut Treatment/Response Report

Delegan Pond, Saratoga County

Water chestnut ([Trapa natans](#)) colonizes areas of freshwater lakes and ponds and slow-moving streams and rivers, where it forms dense mats of floating vegetation, causing problems for boaters and swimmers and negatively impacting aquatic ecosystem functioning. The aquatic plant has been introduced to the northeast for over a century and is widespread. The purpose of the [hyperlinked prioritization scale](#) is to determine if an effort is warranted to manually control a plant through hand harvesting, or if a recommendation for mechanical harvesting should be pursued. Water chestnut has a [NYS Non-Native Threat Ranking - 82 Very High](#).

Site Information	
Waterbody Name: Delegan Pond, Wilton Wildlife Preserve	Date of Treatment: July 14 th , 2023
Coordinates: 43.152474, -73.699765	Property Owner Contact: Wilton Wildlife Preserve and Park
County: Saratoga County	Biomass Disposal Contact: N/A only one bag
Address: Wilton Wildlife Preserve 80 Scout Road Wilton, NY 12831	Treatment Lead: Hannah Coppola
	iMapInvasives User ID: 21052
Has This Site Received Previous Management? <i>If so by who, what method, when?</i> This site has been receiving annual management since 2020 by the Capital Region PRISM in partnership with the Wilton Wildlife Preserve. In 2020, ~2,850lbs water chestnut removed. In 2023, ~32lbs removed.	

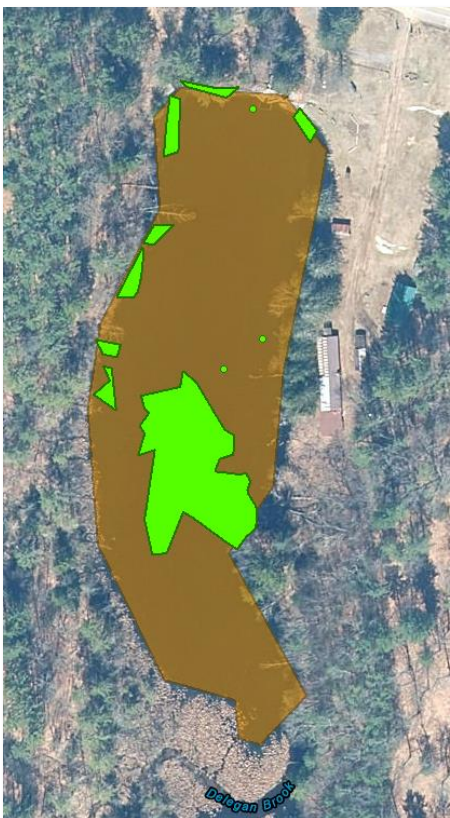
Treatment Information	
Size of Infestation: Less than 1 Acre	Time Spent: 2.5 hours
Size of Area Treated: Trace populations, single plants	% Completed: 100%
Treatment Method: Manual Pull, rosettes and roots	Amount Removed: 1 contractor bag at 32lbs
WC Action Site? Yes. This site has been receiving annual management since 2020.	Treatment Record #: 32352
	Other:
Justification Based from Prioritization Document: Ecologically significant area	
Follow up Recommended? <i>If so when?</i> The water chestnut at this location is nearing eradication. Annual removals should take place until 2025, and reevaluated at that time to determine if management is still necessary. WC seeds are viable up to 12 years, and surveying of the area for trace plants is recommended. This site moving forward does not require more than 1-2 individuals for removal efforts.	

iMapInvasives Annual Treatment Documentation: 2020-2023



2020:

First year of management. With an Estimated ~2850lbs removed. Polygons ranging from sparse to monoculture density.



2021:

Second year of management. With an Estimated ~112lbs removed. Polygons ranging from trace, sparse and dense.





2022:

Third year of management. With an Estimated ~45lbs removed. Polygons ranging from trace to sparse in density.



2023:

Fourth year of management. With a conservative estimated ~32lbs removed. Presence points of individual/trace plants depicted in left image. A total of 31 plants.



Visible plants in photo are native pondweed.