

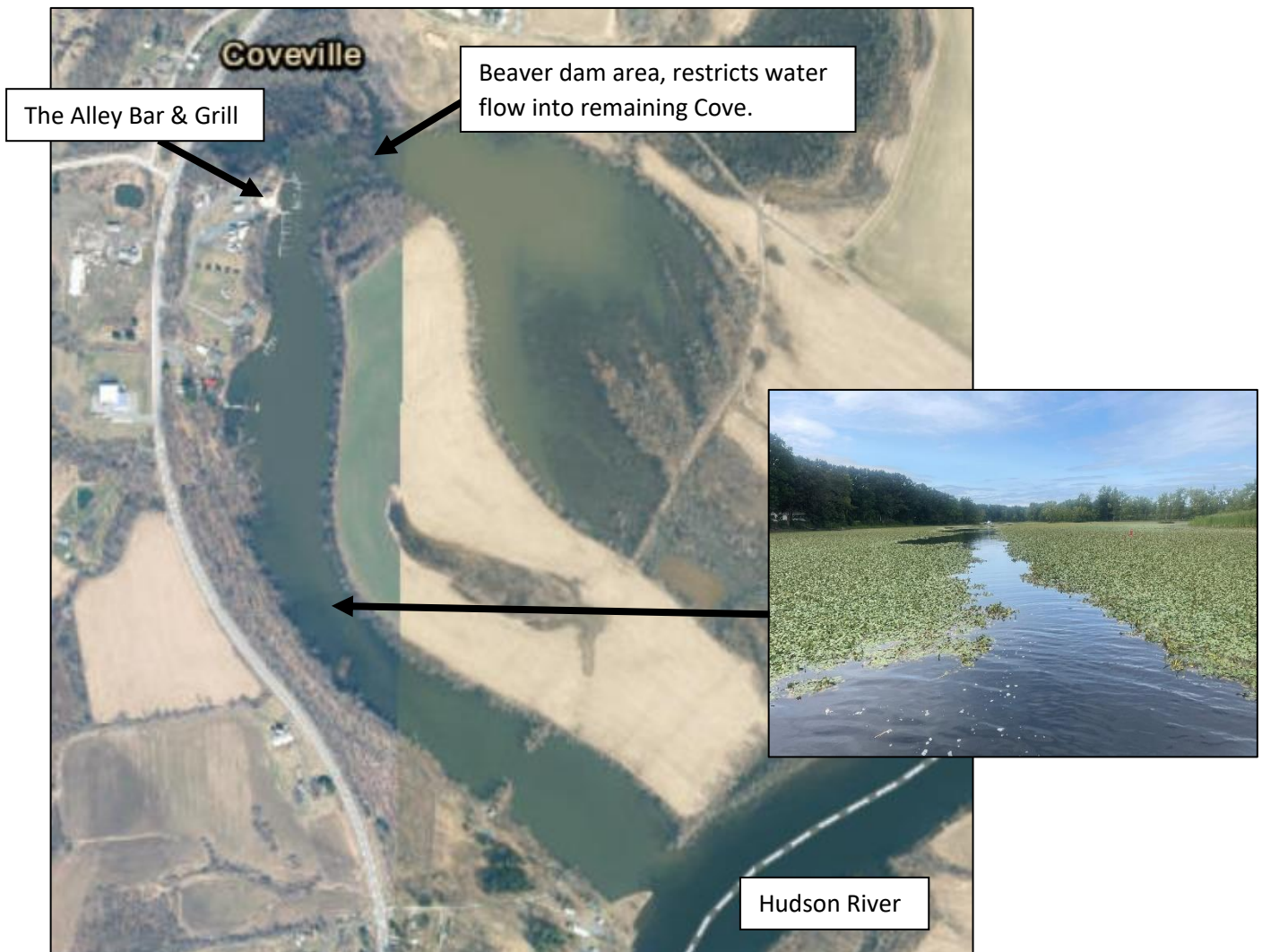


Capital Region PRISM AIS Water Chestnut Treatment/Response Report

The Cove, Hudson River

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. Water chestnut has a NYS Non-Native Threat Ranking - 82 Very High.

The Cove is a 66-acre area branching off of the Hudson River. It is comprised primarily of natural area, as well as a handful of residences and The Alley Bar and Grill at its furthest point before a beaver dam. On August 30th, 2024 a removal was conducted at The Alley Bar & Grill located at 886 US-4, Schuylerville, NY 12871. The restaurant offers two main dock areas with slips, with limited accessibility due to dense water chestnut vegetation restricting access into The Cove. The Alley Bar & Grill conducts small-scale removals around dock areas throughout the season. The plant material removed by the owner is primarily that which floats into The Cove from other areas of the Hudson River; continuous removals are necessary to maintain open dock area. Disposal of biomass occurs on-site in a location that does not pose risk of reintroduction. This area is listed as a [New York State Regulated Freshwater Wetland](#), and may require a [permit](#) prior to conducting management.



The Cove, Site Information

<p>Location: The Cove, The Alley Bar and Grill www.facebook.com/alleybarandgrillschuylervillenyl/ Coordinates: 43.059183, -73.593165 Address: 886 US-4, Schuylerville, NY 12871 County: Saratoga</p>	<p>Date of Hand Removal Treatment: August 30th, 2024 Hand removal events occur by the owner throughout the season to address the established population around docks, as well as the reoccurring biomass which floats in from the river.</p>
<p>Property Owner/Disposal Contact: John Still (Owner/Disposal occurred on site) 518-507-6151 jstill159@aol.com</p> <p>CR-PRISM Hand Pull Contact: Capital Region PRISM, Aquatic Invasive Species Program Manager Hannah Coppola hwe22@cornell.edu (518) 885-8995 ex. 2215</p>	
<p>iMapInvasives User ID: Hannah Coppola 21052</p>	<p>Treatment Record Location: iMapInvasives Mobile Advanced (iMMA)</p>
<p>Hand Pulling Event: A total of nine members from the CR-PRISM, NYS DEC, Volunteer, and owners of the Alley Bar and Grill participated in a hand pull to remove dense pockets of water chestnut around the main dock areas. Approximately 910lbs of biomass was removed. Scattered populations of European frogbit were detected and removed.</p>	
<p>Has This Site Received Previous Management? <i>If so, by who, what method, when?</i> Management is reported as occurring in August, 1975. The area was deemed as Plot 66, by the NYS DEC. The tagged project for this management is the 2021 Historic water chestnut mapping project. A total of 105 bushels of WC were handpicked. In addition, 6 acres were chemically treated with 2-4D Amine. Separately, the site receives management by property owners in the form of hand removal around the dock areas. The infestation is re-occurring throughout the season as dislodged water chestnut biomass washes into The Cove.</p>	

Hand Pulling Treatment Information

<p>Size of Infestation: The total infestation within The Cove is 38.5 acres.</p>	<p>Hand Harvest August 30th, 2024</p>
<p>Size of Area Treated: 0.68 acres treated. Slips for boats around the dock area to create access. This supplements the owner's removals.</p>	<p>Percent Completed: Focused on the main dock area to the right of the launch.</p>
<p>Treatment Method: Hand pulling of rosettes. Many were already un-rooted due to wash in. Care was taken to cut stems 2ft down as to not disturb sediments in a NYS DEC Regulated Freshwater Wetland.</p>	<p>Amount Removed: Approximately 910lbs removed.</p>
<p>WC Action Site? No</p>	<p>Database Information: Data recorded using Field Maps (IMMA), Treatment Object ID#: 4943</p>
<p>Justification Based from Prioritization Document: Economic impact due to significant water chestnut growth and wash in of dislodged water chestnut from other areas of the Hudson River.</p>	
<p>Follow up Recommended? <i>If so when?</i> Annual hand pulling management throughout the season is necessary to maintain access to dock area for the Alley Bar & Grill. Mechanical management would be needed to create a larger access pathway.</p>	

iMapInvasives Polygons

Presence Area: Green Polygon

The search and presence areas located in iMap Mobile Advanced Database, Object ID: 12447. An estimated >70% of surface water of The Cove is water chestnut. Open water is mainly in front of residences, as well as a pathway leading into the Hudson.

Treatment Area: Brown Polygon

Treatment efforts were focused around dock areas. An approximate 910lbs of plant material were removed from boat slips. The majority of plant material was un-rooted as it had washed into the back of The Cove. Care was taken in the removal of rooted vegetation as to limit the disturbance to sediment in a NYS DEC Regulated Freshwater Wetland area.

CR-PRISM Hand Pulling Treatment Area



Department of Environmental Conservation

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