

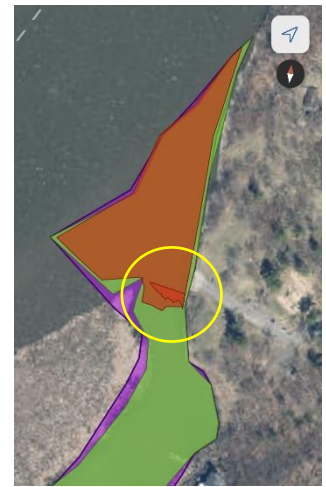
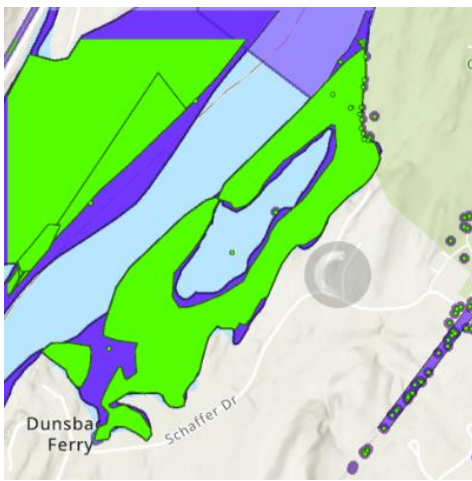


Capital Region PRISM AIS Water Chestnut Treatment/Response Report Town of Colonie Mohawk River Park

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.

Site Information																																									
Waterbody Name: Town of Colonie Mohawk River Park Boat Launch	Date of Treatment: Mechanical: July 6,7,11,12 (2) Weedoo Hydro-rake boats (4/8 Hour Days) Hand Harvest: July 19 and August 5 th Volunteers																																								
Coordinates: 42.125874, -73.904855	Property Owner Contact: Public Access Town of Colonie Mechanical Removal Contact Katelyn Reepmeyer ReepmeyerK@colonie.org Hand Pull Contact: Kristopher Williams																																								
County: Albany Address: 71 Schermerhorn Road Cohoes NY 12047	Biomass Disposal Contact: Town of Colonie Biomass Transfer Contact: Town of Colonie																																								
Treatment Lead: Zainab Magdon: zmagdonismail@gmail.com Town of Colonie CAC Chair Katelyn M. Reepmeyer, ReepmeyerK@colonie.org P.E. Town of Colonie Department of Public Works	iMap Invasives User ID: Kristopher Williams: 9274																																								
<p>Mechanical Harvest: Was subcontracted by the town of Colonie.</p> <ul style="list-style-type: none"> • Two (2) weedoo boats / Four (4), 8-hour days • 3.24 acres /65.05 tons / Contract price: \$14,500 <p>Below is the table generated from the weight-ticket (disposed of at Town Landfill). This includes the date and time of disposal. The total weight of plant material, including a few pieces of driftwood, was 65.05 tons. The only dewatering for the removals was through overnight drying of the plant material in the roll-off containers (Town provided roll-off containers, an excavator and operator to transfer the plant material from the shore into the roll-offs, and the truck to transport the roll-offs to and from the site). Arc GIS was used to measure the approximate limits of area where mechanical harvesting was completed to be an approximate area of 3.24 acres. This is equivalent to approximately 20 tons per acre.</p> <p>Hand Pull: Roughly 13 Members from the Town of Colonie Conservation Advisory Board Volunteers and the CR-PRISM Participated in a Hand Pull to clear out areas where a hydro-rake could not reach from a harvester operation that the PRISM participated in the planning of this great project. The surface area removed was approximately 2420 sq. ft. with a three hour pull. 53 bags were extracted with an estimated weight of 2,385 pounds of biomass.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date</th> <th>Time In</th> <th>Ticket Number</th> <th>Net Weight (lbs.)</th> <th>Qty (Tons)</th> </tr> </thead> <tbody> <tr> <td>7/6/2023</td> <td>08:46</td> <td>02-00676352</td> <td>36,240</td> <td>18.12</td> </tr> <tr> <td>7/6/2023</td> <td>09:48</td> <td>02-00676379</td> <td>14,440</td> <td>7.22</td> </tr> <tr> <td>7/7/2023</td> <td>08:41</td> <td>02-00676545</td> <td>18,300</td> <td>9.15</td> </tr> <tr> <td>7/11/2023</td> <td>08:51</td> <td>02-00677034</td> <td>13,940</td> <td>6.97</td> </tr> <tr> <td>7/11/2023</td> <td>09:50</td> <td>02-00677069</td> <td>28,820</td> <td>14.41</td> </tr> <tr> <td>7/12/2023</td> <td>08:58</td> <td>02-00677228</td> <td>18,360</td> <td>9.18</td> </tr> <tr> <td colspan="3" style="text-align: right;">Total</td> <td>130,100</td> <td>65.05</td> </tr> </tbody> </table>		Date	Time In	Ticket Number	Net Weight (lbs.)	Qty (Tons)	7/6/2023	08:46	02-00676352	36,240	18.12	7/6/2023	09:48	02-00676379	14,440	7.22	7/7/2023	08:41	02-00676545	18,300	9.15	7/11/2023	08:51	02-00677034	13,940	6.97	7/11/2023	09:50	02-00677069	28,820	14.41	7/12/2023	08:58	02-00677228	18,360	9.18	Total			130,100	65.05
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<p>Has This Site Received Previous Management? <i>If so, by who, what method, when?</i></p> <p>-No, The Mechanical Harvest is in orange below and an article 24 permit was applied for with dredging permissions.</p>																																									

iMap Invasives Presence Polygon in Green and Treated Areas in Orange



Searched Area:

The searched and presence area right photo are in iMap Invasives Data Base. The sandbar in the area is surrounded by 53 acres of water chestnut.

Treatment Area:

Mechanical treatment in orange represents approximately (3.24 acres) of biomass surface area removed (middle screen shot). The treatment area is a monoculture. The hand treatment was mapped using iMap Mobile Advanced (IMMA). The smaller area (right screen shot) with inset accounted for 2,420 sq feet of material removed. (53 contractor bags of water chestnut).

Treatment Information

Size of Infestation: The total area surrounding the sandbar is 53 Acres. The removal target was to create access for recreational boaters, from the town launch.

Time Spent:
Mechanical: TBC: July 5,6,7 and 10th
Hand Harvest July 17th, 2023, 3 Hours from 4:30-7:30
 August 5th 2023 2 hours from 3-5 pm

Size of Area Treated: 3.3 acres total. The treatment area focused on creating access to boat launch ramp and area to the left with hand pulling in shallow water.

Percent Completed: 100% of the 3.3 acres treated.

Treatment Method: Manual Hand-Pulling and Hydro-rake

Amount Removed: See above

WC Action Site? yes

Treatment Record #:

Justification Based from Prioritization Document:

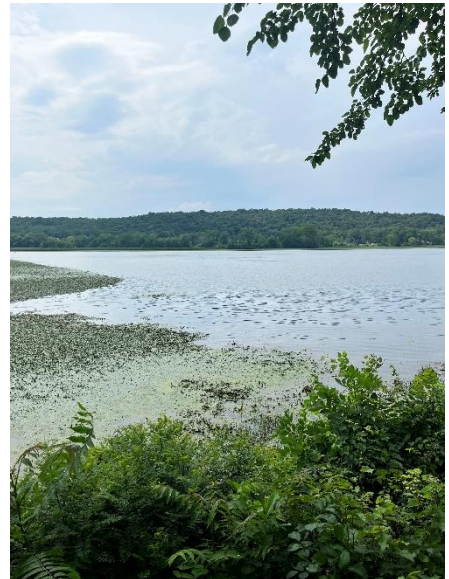
Public recreation benefit, access to Mohawk River in support of a partner through an Invasive Species Grant.

Follow up Recommended? If so when? Annual After July Holiday

Follow up treatment is recommended to keep the existing channel and launch ramp clear of water chestnut.

Treatment Area Photos:

The Right photo looking to the right from the launch is where hand harvesting will occur. The Left photo looking left of the launch is where the mechanical treatment occurred.



Additional Photos:

Photo Credit: Spotlight News.com

<https://spotlightnews.com/towns/colonie/2022/07/13/the-weeds-are-winning-water-chestnuts-in-colonie/>



WATER CHESTNUT REMOVAL TOWN OF COLONIE MOHAWK RIVER PARK BOAT LAUNCH

The Colonie Conservation Board and the Capital Region PRISM are seeking volunteers to help remove water chestnut from the town boat launch.



CR-PRISM

Partnership for
Regional Invasive
Species
Management



Location:

Mohawk River Park 71 Schermerhorn Road
Cohoes, NY 12047



Register for this Event:

capitalregionprism.org event page
or click on the dates below.

July 18th 4:30-7:30 (Rain Date July 19th)

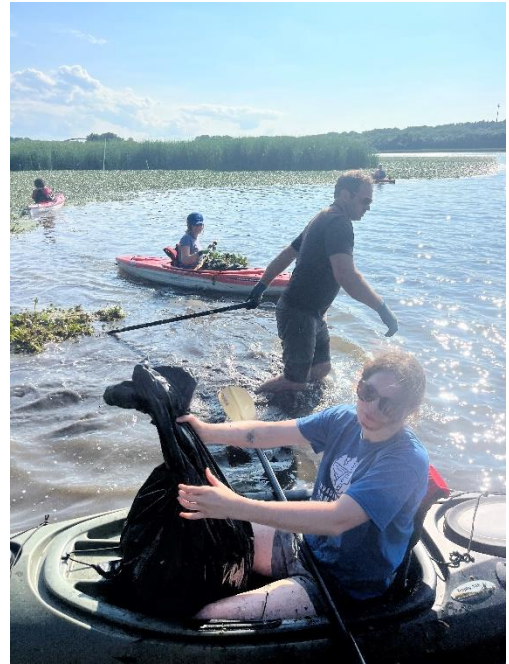
August 5th 3-5 (Rain Date August 6th)

Maximum of 25 participants.

Recommended Supplies

Bring your own watercraft, boots/waders, and appropriate footwear, life jacket, snacks, water, hat, sunscreen, gloves
Some people may pull from shore or in shallow water

The New York State Department of Environmental Conservation provides financial support to The Capital Region PRISM via the Environmental Protection Fund



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