



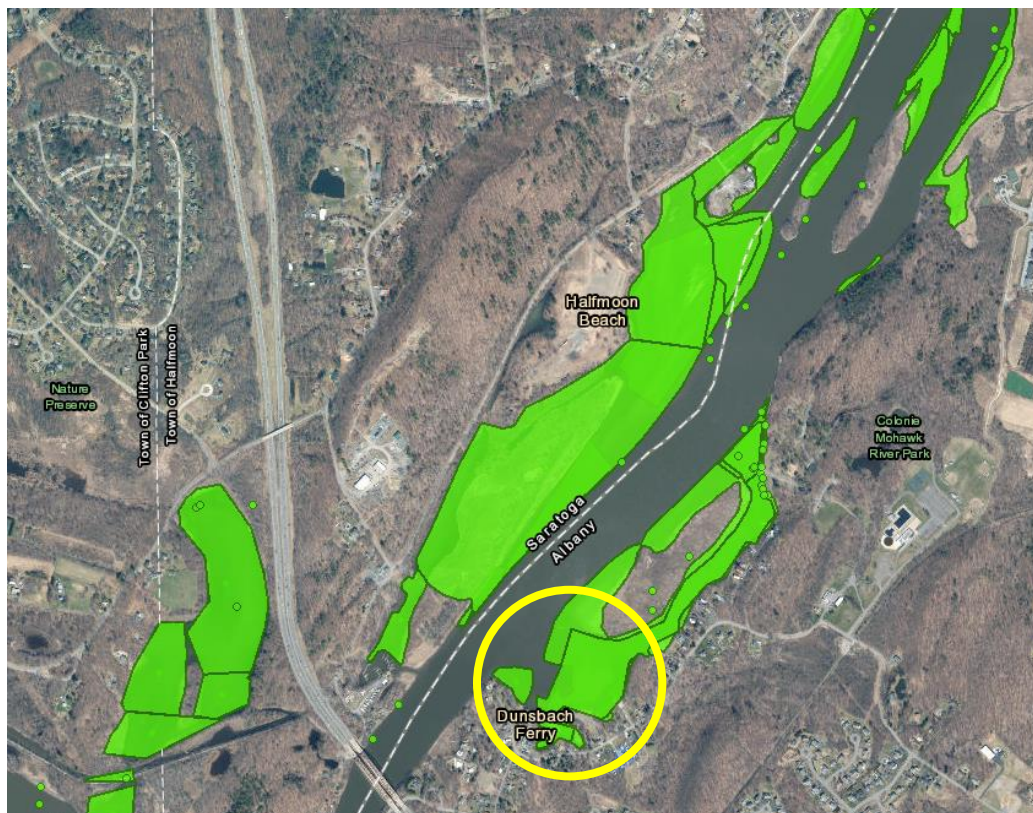
Capital Region PRISM AIS Water Chestnut Treatment/Response Report

Blains Bay Marina

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.

Blains Bay Marina is located on 221 Dunsbach Ferry Rd, Cohoes, NY 12047 on the Mohawk River, and is surrounded by a large infestation of water chestnut ([Trapa natans](#)). The private marina is comprised of four large docks with slips, with limited accessibility due to the dense vegetation. Blains Bay Marina has been conducting mechanical removals, recently received a chemical treatment from Little Bear Environmental, and follow up hand removal efforts by the CR-PRISM.

Water chestnut has colonized multiple local marinas and public boat launches including the [Crescent Boat Club 142 Old Canal Rd, Clifton Park, NY](#), and the [Town of Colonie Mohawk River Park 71 Schermerhorn Road Cohoes NY](#). The Town of Colonie is utilizing grant funds from the NYS DEC Mohawk River Basin Program to remove water chestnut using mechanized hydro-rakes in the Colonie Mohawk River Park waterfront. The entire area with sedimentation over time has seen a large increase in the establishment of this aquatic invasive species which has impacted recreational opportunities, decreased real estate values, and altered the ecology of the riverine system. Note the iMapInvasives presence polygons of water chestnut beds below; green areas represent several hundred acres of the aquatic invasive macrophyte.



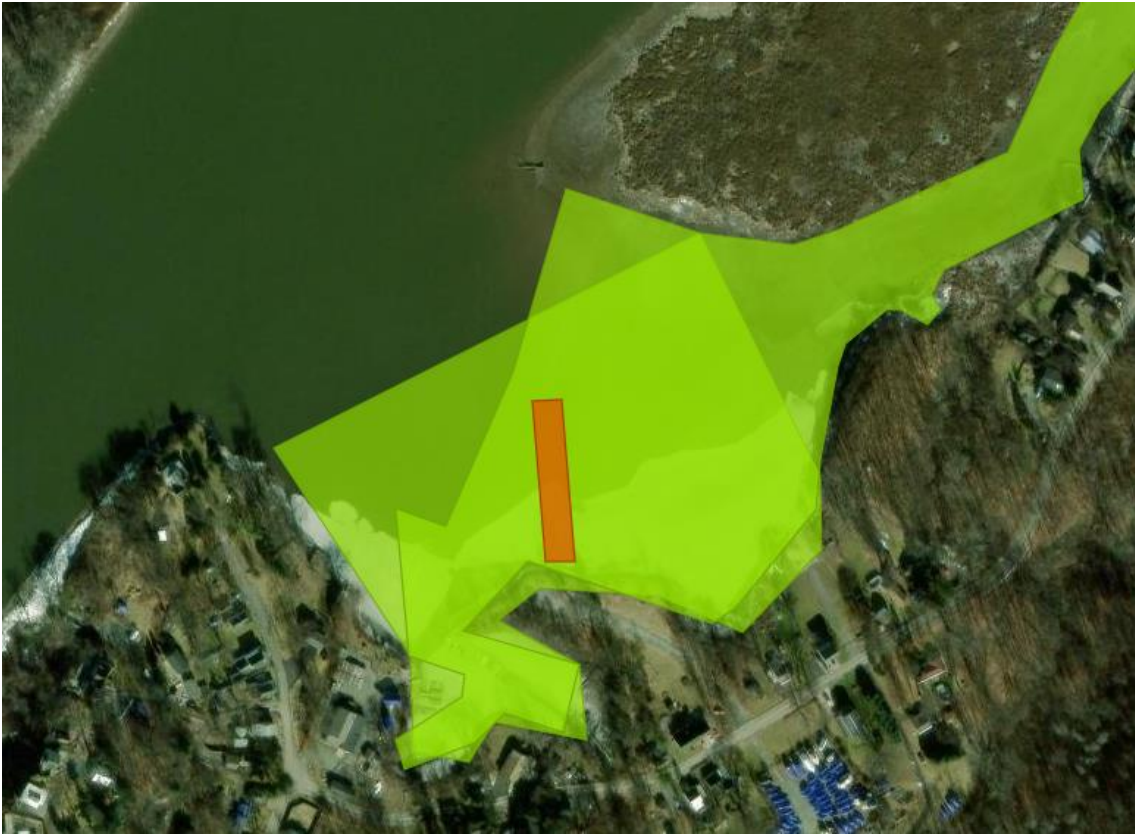
Blains Bay Marina, Site Information

<p>Location: Mohawk River, Blains Bay Marina https://www.blainsbaymarina.com/ Coordinates: 42.7927, -73.7560 Address: 71 Schermerhorn Road Cohoes, NY 12047 County: Albany</p>	<p>Date of Chemical Treatment: June 14th, 2024 Date of Hand Removal Treatment: July 26th, 2024</p>
<p>Property Owner/Disposal Contact: Nick Brock (Marina Owner) (518) 785-6758 nickbrock4@icloud.com</p> <p>Chemical Treatment Contact: Little Bear Environmental littlebearenvironmental.com</p> <p>CR-PRISM Hand Pull Contact: Capital Region PRISM Hannah Coppola hwe22@cornell.edu Kristopher Williams kbw44@cornell.edu</p>	
<p>iMapInvasives User ID: Hannah Coppola 21052</p>	<p>Treatment Record Location: iMapInvasives Mobile Advanced (iMMA)</p>
<p>Chemical Treatment: Was conducted by Little Bear Environmental on June 14th as a pilot project. Two acres surrounding the slips and docs at Blains Marina received an Imazamox foliar application as recommended by:</p> <p style="margin-left: 40px;">Lynde Lynne Dodd, CERP Research Biologist USACE ERDC EL Aquatic Ecology and Invasive Species Branch (EEA) Aquatic Plant Ecology Team Lead Lewisville Aquatic Ecosystem Research Facility 201 East Jones Street, Lewisville, Texas 75057 769-666-8777 o/c Lynde.L.Dodd@usace.army.mil www.erd.usace.army.mil/Media/Fact-Sheets/Fact-Sheet-Article-View/Article/476784/lewisville-aquatic-ecosystem-research-facility-laerf/</p> <p>Hand Pulling Event: Twelve members from the CR-PRISM, NYS DEC, Blains Bay, and volunteers participated in a hand Pull to round up satellite populations in and around treatment areas. The far eastern dock received the greatest effort of work. Approximately 2,500 pounds of AIS biomass were extracted. (50 contractor bags). Note the treatment areas on the map below.</p>	
<p>Has This Site Received Previous Management? <i>If so, by who, what method, when?</i> Yes, the owner operator has periodically performed mechanical removals using makeshift equipment. Annually as needed but on a limited basis. This site has additionally received a single chemical treatment as reported above.</p>	

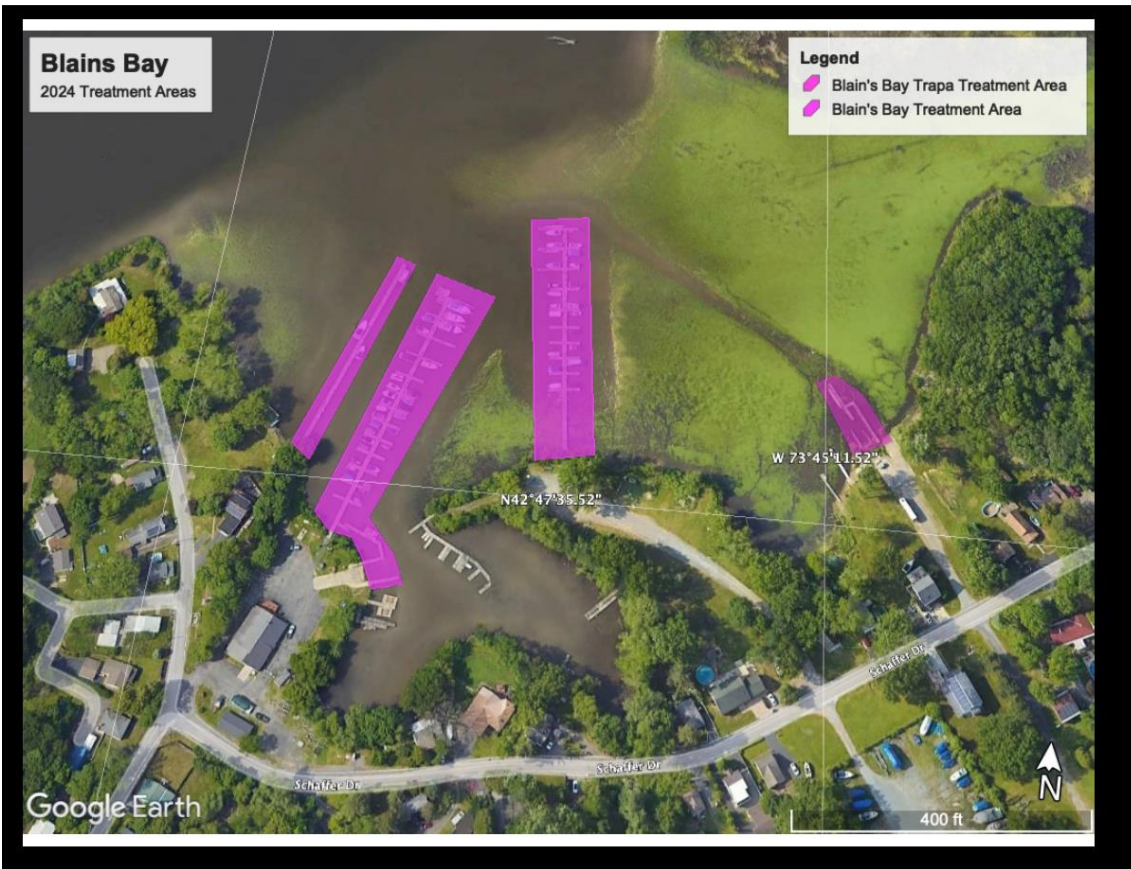
iMapInvasives Presence Polygon in Green and Treated Areas in Brown and Purple

<p>Presence Area: The search and presence areas located in iMap Mobile Advanced Database, Object ID: 16490. Presence polygons also depicted on previous page.</p>	<p>Treatment Area: Note the treatment area for both the hand harvest (brown) and chemical application (purple) on the following page.</p>
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CR-PRISM Hand Pulling Treatment Area



Chemical Treatment Application



Hand Pulling Treatment Information

Size of Infestation: The total area surrounding the docks is two (2) Acres. Represented in purple.	Hand Harvest July 19th,
Size of Area Treated: Two 2 acres total. The treatment area focused on creating access to docs and slips. The chemical treatment supported the local owners' efforts to remove water chestnut.	Percent Completed: The 2 acres shown in purple were treated with approximately 90 % effectiveness. Satellite populations were hand harvested.
Treatment Method: Chemical Imazamox foliar application Hand pulling of rosettes and submerged roots	Amount Removed: Two 2 acres chemical treatment and 2500 pounds by hand.
WC Action Site? N/a	Treatment Record #: N/a
Justification Based from Prioritization Document: Public recreation benefit, access to Mohawk River in support of a partner through the Mohawk Water chestnut Group.	
Follow up Recommended? If so when? Annual After July Holiday Follow up monitoring to assess and measure long term success should be conducted in June/July 2025 .	

