

REPORT DATE: 09/06/22

Croton Hydrilla Control Webpage: <https://www.dec.ny.gov/animals/106386.html>

This is the 6th year of Croton River hydrilla treatment based on DEC's adaptive management plan. Control of the invasive aquatic plant *Hydrilla verticillata* has been highly successful since treatment began in 2017. Multiple years of treatment are required for this plant species because a robust tuber bank was established prior to treatment. The 2022 treatment again involves the injection of the aquatic herbicide fluridone (Sonar Genesis®) into the river just below the New Croton Dam (NCD) and at Black Rock Park (BRP) with a target concentration of 2.0-4.0 parts per billion (ppb) for 90 days. Drinking water sample reports are posted on this DEC webpage: <https://www.dec.ny.gov/animals/110624.html>

Tasks Completed – 2022 Field Season

- **Herbicide Treatment Ended 9/6** reaching 85 days of treatment – a successful season
- Injection units and all herbicide has been removed from site
- Fluridone concentration in Village water samples all <1ppb – listed as normal
- Hudson River High Priority Site Surveys Began 9/29 – no hydrilla found

Drinking Water Fluridone Concentration Results (Phoenix Labs)		
Date Collected	Sample Status	Listed As
8/23	<1ppb	Normal
8/25	<1ppb	Normal
8/30	<1ppb	Normal
9/1	<1ppb	Normal
9/6	<1ppb	Normal
9/8	Still At Lab	-

Upcoming Tasks – 2022 Field Season

- Croton River Hydrilla SAV and tuber surveys will begin once DEP blow off operations cease from New Croton Dam
- Croton Bay SAV Survey 9/20
- Complete remaining Hudson River High Priority SAV sites



Single hydrilla plant found 7/18 @ BRP – stunted, chlorotic, and defoliated from herbicide treatment