

REPORT DATE: 08/05/22

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

- Units inspected (DEC ISCS, SePRO, SÖLitude): 7/25, 7/26, 7/28, 7/29, 8/1, 8/5
- Injection unit tanks filled by SÖLitude certified applicator: 7/29, 8/5
- Fluridone concentration in Village water samples all <1ppb – listed as normal
- The following sections of river have been surveyed in 2022 with only 1 hydrilla plant found:
 - Croton Gorge Park – Fountain outflow to below USGS gage
 - Black Rock Park above the walkway
 - Below Black Rock park dam to below Quaker Bridge
 - Mayo's Landing to CR-4, and all of paradise island
- We have reached 53 days of treatment so far in the 2022 season.

Drinking Water Fluridone Concentration Results (Phoenix Labs)		
Date Collected	Sample Status	Listed As
7/21	<1ppb	Normal
7/26	<1ppb	Normal
7/28	Still at Lab	-
8/2	Still at Lab	-
8/4	Still At Lab	-



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

Upcoming Tasks – 2022 Field Season

- Field Surveys: Additional snorkel surveys scheduled with DEC ISCS, SePRO, & LHPRISM Aquatic Strike Force are scheduled for 8/15, 8/16, 8/29. Lower coves underwater camera survey scheduled 9/1

PROJECT STATUS UPDATE: 2022 CROTON HYDRILLA CONTROL PROJECT

- In response to NYCDEP flow release changes, 2022 hydrilla treatment season will end 9/6 with a goal of 85 days of treatment. NYCDEP will increase bottom release to conduct dam work for 3-4 weeks and hydrilla surveys are scheduled to occur following that release. Point intercept SAV surveys, tuber surveys, and additional camera surveys will occur early-mid October.