

**REPORT DATE: 08/26/22**

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

**This is the 6<sup>th</sup> 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): 8/15, 8/16
- Fluridone concentration in Village water samples all <1pbb – 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 (7/17 & 8/15)
  - Below Black Rock Park dam to below Quaker Bridge
  - Quaker Bridge to Silver Lake Beach
  - Mayo's Landing to CR-4, and all of paradise island
- We have reached 74 days of treatment so far in the 2022 season.

Drinking Water Fluridone Concentration Results (Phoenix Labs)		
Date Collected	Sample Status	Listed As
7/28	<1pbb	Normal
8/2	<1pbb	Normal
8/4	<1pbb	Normal
8/9	<1pbb	Normal
8/11	<1pbb	Normal
8/16	<1pbb	Normal
8/18	<1pbb	Normal
8/23	Still at Lab	-
8/25	Still At Lab	-



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

**Upcoming Tasks – 2022 Field Season**

- Lower coves underwater camera survey scheduled 9/1
- 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.
- Hudson River Hydrilla SAV surveys begin week of Sept 29<sup>th</sup> (29 high priority sites)