

**REPORT DATE: 07/22/22**

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, SePRO, SÖLitude): 7/11, 7/15, 7/18, 7/19, 7/22
- First fluridone detection in Village wells for the season: 0.30ppb -listed as normal
- 7/19: First snorkel survey of season at Black Rock Park with LHPRISM – AIS Strike Force: 1 hydrilla plant found (see photo)
- Injection unit tanks filled by SÖLitude certified applicator: 7/15, 7/22
- Flows >500CFS caused shut down 7/19 6am-5pm
- We have reached 39 days of treatment so far in the 2022 season.

Drinking Water Fluridone Concentration Results (Phoenix Labs)		
Date Collected	Sample Status	Listed As
7/7	Non Detect	Not Detected
7/12	Normal	Normal
7/14	Still at Lab	-
7/19	Normal	Normal
7/21	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 / underwater camera surveys throughout rest of growing season