

REPORT DATE: 07/08/22

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): 6/27, 6/28, 6/29, 7/5, 7/8
- Injection unit tanks filled by SÖLitude certified applicator: 6/30, 7/8
- Verizon 4G outage caused treatment interruption at Dam 4/28 (Black Rock park remained operational) - Treatment restored (4/29, stable & operational) – SePRO on site both days

Drinking Water Fluridone Concentration Results (Phoenix Labs)		
Date Collected	Sample Status	Listed As
6/21	Non Detect	Not Detected
6/23	Non Detect	Not Detected
6/28	Non Detect	Not Detected
6/30	Non Detect	Not Detected
7/5	Non Detect	Not Detected
7/7	Still At Lab	-

Upcoming Tasks – 2022 Field Season

- Field Surveys: snorkel surveys scheduled with DEC ISCS, SePRO, & LHPRISM Aquatic Strike Force / underwater camera surveys throughout rest of growing season