

REPORT DATE: 06/10/22

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

- All 2022 riparian signage posted as of 6/2
- 6/6 – **Treatment Began:** Tanks filled, pumps calibrated at NCD & BRP Sites
- Units inspected by DEC ISCS: 6/6, 6/7, 6/8, 6/9
- Injection unit tanks filled by SŌLitude certified applicator: 6/10
- 5/31 – DEC is sampling fluridone concentration in water spilling from New Croton Reservoir surface water at spillway (RES-1) and bottom release (FO-1) to ensure fluridone from NYCDEP hydrilla treatment does not exceed permitted range for river treatment. All within range.
- River fluridone concentrations within permit range

Drinking Water Fluridone Concentration Results (Phoenix Labs)		
Date Collected	Sample Status	Listed As
6/6	Non Detect	Not Detected
6/7	Non Detect	Not Detected
6/8	Still At Lab	-
6/9	Still At Lab	-
6/10	Still At Lab	-

Upcoming Tasks – 2022 Field Season

- Field Surveys: snorkel surveys scheduled with DEC ISCS, SePRO, & LHPRISM Aquatic Strike Force / underwater camera surveys begin end of June.