

## PROJECT STATUS UPDATE: 2021 CROTON HYDRILLA CONTROL PROJECT

**REPORT DATE: 07/26/21-08/06/21**

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

**Project Description:** This is the 5<sup>th</sup> year of hydrilla treatment in the Croton River based on a 5-Year management plan. After successful treatments in 2017, 2018, 2019, and 2020 the treatment proposed for 2021 again involves the injection of the aquatic herbicide fluridone (Sonar Genesis®) into the river just below the New Croton Dam and at Black Rock Park with a target concentration of 2.0-4.0 parts per billion (ppb) for 90-120 days. Drinking water sample reports are posted on this DEC webpage: <https://www.dec.ny.gov/animals/110624.html>

### Tasks Completed – 2021 Field Season

- 24 hour SHUT DOWN due to high flows: 8/3
- Injection unit tanks filled by SÖLitude certified applicator: 7/28, 8/3, 8/6
- Units inspected by ISCS 7/26, 7/28, 7/30, 8/2, 8/4, 8/6
- SCUBA Survey of Black Rock Park 7/28 by SePRO/ISCS revealed 6 hydrilla plants with tubers, 1 turion, zero floating fragments. All hydrilla showed significant impacts from treatment: chlorosis, defoliation, stunting. (photos attached)
- Next SCUBA/Snorkel survey is scheduled for 8/9 in separate section of river.

Drinking Water Fluridone Concentration Results (Phoenix Labs)		
Date Collected	Sample Status	Listed As
7/22	Fluridone < 1ppb	Normal
7/27	Fluridone < 1ppb	Normal
7/29	Fluridone < 1ppb	Normal
8/04	Still At Lab	-
8/05	Still At Lab	-

Upcoming Tasks		
Task #	Description	Lead
1	Village Drinking Water Sampling 2x per week	SÖLitude/Village Water Dept.
2	Post Village Drinking water sample results to webpage	ISCS - McGlynn
3	2 <sup>nd</sup> Snorkel Survey of Croton River 8/9	ISCS & LH PRISM AIS Strike team

Internal Group Members: Nicole White, Catherine McGlynn, Anthony Lamanno, Bill Rudge, Justin Perry, Josh Thiel

Support: Brenan Tarrier/Dan Kendall (DOW), Lloyd Wilson/James Leach/Jim Hyde (DOH)



Hydrilla – Snorkel/SCUBA survey

Black Rock Park 7/28/21

~7 Weeks After Treatment

6 plants with tubers

1 turion

Zero floating fragments

All plants show significant impacts  
from fluridone treatment

-chlorosis

-defoliation

-stunted growth

No other hydrilla was found



Comparison of plant condition from Croton River  
7/28/21

Invasive Hydrilla – LEFT

Native Elodea – RIGHT

Both species show defoliation, Elodea shows less  
chlorosis

