

## PROJECT STATUS UPDATE: 2020 CROTON HYDRILLA CONTROL PROJECT

**REPORT DATE: 06/22/20-07/03/20**

Prepared by: Nicole White, NYSDEC Invasive Species Coordination Section

**Project Description:** Hydrilla was discovered on 10/19/13 in the Croton River. Extensive surveys have been conducted to delineate the hydrilla infestation in the Croton River and potential spread to the Hudson River Estuary. To-date, no hydrilla has been found in proximity outside the Croton River and the New Croton Reservoir. A five-year management plan was created to control Hydrilla in the Croton River. After successful treatments in 2017, 2018, and 2019, the treatment proposed for 2020 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.

### Tasks Completed – 2020 Field Season

- Injection Units inspected by DEC ISCS: 6/22, 6/24, 6/26, 6/29, 7/1, 7/3
- Injection tanks filled by SOLitude certified applicator: 6/22, 6/29, 7/2
- In-river visual surveys for hydrilla @ BRP 6/24, 7/1 (no hydrilla found)
- In-river visual surveys for hydrilla @ CR-4 (Lower River) 6/25 – germination confirmed (see attached photos)

Water Quality Results		
Date Collected	Sample Status	Listed As
6/16	Non Detect	Normal
6/18	Fluridone < 1ppb	Normal
6/23	Fluridone < 1ppb	Normal
6/25	Fluridone < 1ppb	Normal
6/30	Fluridone < 1ppb	Normal
7/2	Still at lab	-

Upcoming Tasks 07/06/2020-07/17/2020		
Task #	Description	Lead
1	Water Quality Sampling 2x per week	SOLitude/Village Water Dept.
2	Post water quality sampling results to webpage	ISCS - McGlynn
3	Inspect Injection Units	ISCS - White

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

Support: Brenan Tarrier/Dan Kendall (DOW), Lloyd Wilson/James Leach/Jim Hyde (DOH), Wendy Rosenbach (R3 CPS)

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

This page is updated regularly throughout the season: Water Sample Analysis Page: <https://www.dec.ny.gov/animals/110624.html>



**LEFT:** *Hydrilla* germination @ CR-4 (lower river) 3 weeks after fluridone treatment began

**RIGHT:** healthy *Hydrilla* germination from untreated section of New Croton Reservoir