

PROJECT STATUS UPDATE: 2020 CROTON HYDRILLA CONTROL PROJECT

REPORT DATE: 05/18/20-06/05/20

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 Pre-Treatment)

- Article 15 Permit #AV-3-20-293 approved by NYSDEC Region 3 Pesticides 04/27/20
- 1st round of landowner notifications mailed 04/01/20, 2nd round mailed 05/18/20
- Shoreline Signage for treatment posted at public access sites 05/28/20, 05/29/20, 06/01/20
- NYS Hydrilla Task Force Call 05/13/20
- Hydrilla germination confirmed in New Croton Reservoir 05/29/20, no hydrilla germination yet located in Croton River
- Day 1 of Project Installation 05/18/20: New Croton Dam (fencing/privacy screen/spill kit)
- Day 2 of Project Installation 05/19/20: NC Dam (injection unit/solar panel/antenna/injection line), Black Rock Park (injection unit)
- Day 3 of Project Installation 06/01/20: NCD Injection Unit calibrated, new line run @ BRP, conduit installed @ both sites
- **Treatment Began 06/01/20 from NCD Unit, treating entire river**
- Day 4 of Project Installation 06/02/20: BRP Injection Unit calibrated & turned on. Treatment commenced from both units.
- Injection Units inspected 6/2, 6/3, 6/4, 6/5
- Water Quality Samples collected 6/1, 6/2, 6/3, 6/4, 6/5

Upcoming Tasks 06/08/2020-06/19/2020		
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>