

PROJECT STATUS UPDATE: 2019 CROTON HYDRILLA CONTROL PROJECT

REPORT DATE: 07/29/2019-08/09/2019

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Project Description: Hydrilla (monoecious) discovered 10/19/13 in Croton River. Surveys have been conducted annually since 2014 to delineate the hydrilla infestation in the Croton River as well as several high-risk sites within a 10 miles radius including the Hudson River and its tributaries. 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 and 2018, the treatment proposed for 2019 again involves the injection of the aquatic herbicide Sonar Genesis®, also known as fluridone, 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 :

- Drinking water samples collected 7/30, 8/1, 8/6, 8/8
- Drinking water RESULTS: 7/23, 7/25, 7/30: Fluridone levels all below 1.0 ppb and listed as “Normal”
- Drinking water RESULTS: 8/1: Fluridone reached 1.0 ppb in DW-3 and listed as “Additional Monitoring Necessary”
- 8/6, 8/8 samples still at lab
- Drinking Water Samples will be conducted 3 times per week beginning 8/12
- Tanks refilled 7/29, 7/30, 8/2, 8/9 by Licensed applicator (Units also inspected 7/29, 7/31, 8/1, 8/5, 8/6, 8/7, 8/9)
- Treatment shut down 8/4 due to high flows – treatment resumed after 24 hours
- Snorkel surveys: CR-2 & CR-4 (8/1): Trace hydrilla plants found, all show herbicide injury (photos attached)
- Snorkel survey: Croton Bay (8/6): No rooted hydrilla plants or fragments found
- We are halfway through 2019 treatment season. Without further rain days the end of treatment scheduled for 2nd week of October.

Upcoming Tasks 08/12/2019-08/23/2019		
Task #	Description	Lead
1	Continue fluridone treatment (2-4 ppb for 90-120 days) of entire Croton River	ISCS/SOLitude/SePRO
2	Post water quality sampling results to webpage	ISCS- McGlynn

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

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

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