

PROJECT STATUS UPDATE: 2018 CROTON HYDRILLA CONTROL PROJECT

REPORT DATE: 10/22/2018-11/02/2018

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Project Description: Hydrilla (monoecious) discovered 10/19/13 in Croton River. Surveys were conducted in 2014, 2015 and 2016 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 a successful first year treatment in 2017, the treatment for 2018 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 60-120 days.

Tasks Completed (2018 Treatment)

- Low solar production & battery issues at dam caused short term outages during 10/21, 10/23, Batteries replaced 10/22, 10/24, 11/2.
- Repairs at Black Rock Park unit 10/24 (following conduit damage) and treatment was resumed. Backflow valve reinstalled 11/1.
- Drinking water (DW) & Finished water (FW) samples were collected on 10/17, 10/19, 10/22, 10/24, 10/26, 10/29, 10/31, 11/02
 - RESULTS: 10/17, 10/22, 10/24, 10/26 : Fluridone levels all below 1ppb and listed as “Normal”
 - RESULTS: 10/19 Fluridone in Well #1 reached 1.1ppb listed as “Additional Monitoring Necessary”
 - RESULTS: 10/29, 10/31, 11/02: Still at Lab - All reports posted here: <https://www.dec.ny.gov/animals/110624.html>
- Injection Unit tanks filled by SOLitude Licensed Applicator 10/22, 10/29 & 11/2, Croton Hydrilla Team Call 10/31
- SAV resurveyed in Croton Bay Marsh 10/23 – no rooted hydrilla was located. (ISCS/SePRO)
- Thermograph data collected at Silver Lake Beach 10/25. (ISCS/Reg 3 Fisheries)
- Snorkel survey conducted at Black Rock Park 10/23 & 11/1 to assess late season plant condition.

Upcoming Tasks 11/05/2018-11/16/2018		
Task #	Description	Lead
1	Continue fluridone treatment (2-4 ppb for 90-120 days) of entire Croton River	ISCS/SOLitude/SePRO
2	Monitor & Log injection unit levels at least 3 times per week	ISCS – White
3	Collect drinking/finished water samples 3 times per week	SOLitude/Village of Croton
4	Post water quality sampling results to webpage	ISCS-Eyres/McGlynn
5	Hydrilla Tuber survey in Croton River	SOLitude/ISCS
7	Monitor water temp & plant condition to determine end date for treatment	ISCS/SePRO

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Support Resources: Lloyd Wilson (NYS DOH), Brenan Tarrier (DOW), Dan Kendall (DOW), James Leach (DOH), Jim Hyde (DOH),
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Croton Hydrilla Control Project Page: <https://www.dec.ny.gov/animals/106386.html>