

## PROJECT STATUS UPDATE: 2018 CROTON HYDRILLA CONTROL PROJECT

**REPORT DATE: 08/13/2018-08/24/2018**

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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)

- **Fluridone Treatment SHUT DOWN 8/11-8/24** due to sustained rain events and high rate of discharge in Croton River.
  - Treatment can continue in flows up to 500 cfs. See USGS discharge graph on next page for flow info.
  - As of 8/24 upper goal of 120 treatment days still possible for 2018. Goal range 90-120 treatment days.
- Drinking water (DW) & Finished water (FW) samples were collected on 8/13, 8/15, 8/17, 8/20, 8/22, 8/24
  - RESULTS: 8/13, 8/15, 8/17, 8/20: Fluridone levels all below 1ppb and listed as "Normal"
  - RESULTS: 8/22, 8/24: Still at Lab - All reports posted here: <https://www.dec.ny.gov/animals/110624.html>
- Fluridone testing in Village Aquifer 8/16 by Chazen/Village of Croton.
  - RESULTS: Fluridone was not detected in Wells #2, #2A, and #5A. Fluridone was detected at 1.0 ppb in Well #5 (normal).
- Backflow Valve installed @ Black Rock Park Injector 8/20 – SePRO
- Croton Hydrilla Biweekly Call 8/22 (NYSDEC ISCS, SePRO, SOLitude)
- Snorkel Survey of Black Rock Park revealed lightly scattered hydrilla growth with plants less than 12 inches in length, 8/23 - SePRO

Upcoming Tasks 08/27/2018-09/07/2018		
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	Hudson River SAV Surveys (2018 Additional Sites)	SOLitude Lake Management

Internal Group Members: Kathy Moser, Willow Eyres, Catherine McGlynn, Anthony Lamanno, Cathy Ahlers, Bill Rudge, Justin Perry

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

