

**REPORT DATE: 07/02/2018-07/13/2018**

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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)**

- Invasive Species Awareness Week Outreach Events @ Silver Lake Beach (7/9, 7/12) and Echo Boat Launch (7/13)
- NYCDEP reduced flows from dam releases from ~90MGD to ~60MGD in an effort to increase river water temps for treatment (7/9)
- Drinking water (DW) samples were collected on 7/2, 7/5, 7/10, 7/11 & 7/12
  - Fluridone in the DW sample from Well #3 reached 1.0ppb (on 7/5) – This level triggers sampling 3 times per week. As long as samples range between 1ppb and 4ppb they will be labelled “additional monitoring necessary”. If samples exceed 4ppb the treatment will be modified or terminated. We post all DW reports here: <https://www.dec.ny.gov/animals/110624.html>
  - DW samples were all back below 1.0ppb on 7/10 & 7/11 and listed as “normal.” Samples from 7/12 are at the lab now
  - The Village of Croton turned off DW Well #3 on 6/30 to limit fluridone reaching distribution
- Injection Unit tanks filled by SOLitude licensed applicator 7/05 & 7/12

Upcoming Tasks 07/16/2018-07/27/2018		
Task #	Description	Lead
1	Aquatic Plant Management Society Conference 7/15-7/18	ISCS – White/McGlynn, SOLitude, SePRO
2	Continue fluridone treatment (2-4 ppb for 90-120 days) of entire Croton River	ISCS/SOLitude/SePRO
3	Monitor & Log injection unit levels at least 3 times per week	ISCS – White
4	Collect drinking/finished water samples 3 times per week	SOLitude/Village of Croton
5	Post water quality sampling results to webpage	ISCS-Eyres/McGlynn
6	Restore River & Estuary Observatory Network station @ Black Rock Park	Clarkson University

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

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>