

## PROJECT STATUS UPDATE: 2018 CROTON HYDRILLA CONTROL PROJECT

**REPORT DATE: 11/05/2018-11/16/2018**

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**This is the Last Status Report for 2018. Treatment Season ended on 11/09/18.**

- Fluridone concentration within drinking water wells is currently less than 1ppb. Samples will continue to be taken from drinking water wells and from entry points on a weekly basis until two consecutive samples with readings of “non-detect” are found at all sample locations. Water analysis reports will continue to be posted on the DEC website (link below).
- All 2018 field data is currently being compiled. A 2018 Annual Report for the project will be generated and posted to DEC website.
- Despite more than 60 “rain days” that forced shutdown, there were 98.35 days of treatment this season (within target range of 60-120 days).

### Tasks Completed (2018 Treatment)

- Treatment was suspended on 11/03/18 due to high flows.
- Flows have remained too high to treat since 11/03/18 and treatment has been shut down.
- SOLitude Licensed Applicator notified DEC of official end to the 2018 season and all herbicide was removed from the site.
- Drinking water (DW) & Finished water (FW) samples were collected on 10/29, 10/31, 11/02, 11/05, 11/07, 11/09, 11/13, 11/14, 11/16
  - RESULTS: 10/29, 10/31, 11/02, 11/05, 11/07, 11/09 : Fluridone levels all below 1ppb and listed as “Normal”
  - RESULTS: 11/13, 11/14, 11/16: Still at Lab - All reports posted here: <https://www.dec.ny.gov/animals/110624.html>
- Injection Unit tanks emptied by SOLitude Licensed Applicator for season on 11/14
- Croton River Tuber Sampling conducted 11/13

| Upcoming Tasks 2018 |   |                                   |
|---------------------|---|-----------------------------------|
| Task #              | Description   | Lead                              |
| 1                   | Demobilization of remaining project equipment from Croton River 11/19 | ISCS/SOLitude/SePRO               |
| 2                   | Collect drinking/finished water samples 3 times per week              | SOLitude/Village of Croton        |
| 3                   | Post water quality sampling results to webpage                        | ISCS                              |
| 4                   | Finish Hydrilla Tuber survey in Croton River (2 remaining sites)      | SOLitude/ISCS                     |
| 5                   | Debrief Meeting with Project Team 11/29                               | ISCS/NYSDEC/SOLitude/SePRO/NYCDEP |

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

Support Resources: Lloyd Wilson (NYS DOH), Brenan Tarrier (DOW), Dan Kendall (DOW), James Leach (DOH), Jim Hyde (DOH),

Wendy Rosenbach (R3 CPS)

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

**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.