

PROJECT STATUS UPDATE: 2018 CROTON HYDRILLA CONTROL PROJECT

REPORT DATE: 06/04/18-06/15/18

Prepared by: Nicole White, NYSDEC Invasive Species Coordination Section

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 proposed 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)

- Riparian landowner notification letters for Article 15 mailed
- All treatment signage posted (Croton Dam, Black Rock Park, Silver Lake Beach, Mayos Landing, Unique Area, Echo Boat Launch) 06/04/18
- eDNA collected at 6 sites for American Museum of Natural History study 06/04/18
- **TREATMENT BEGAN 06/05/18** : Injections units both calibrated & filled, treatment day 1
- Didymo confirmed by DEC & SUNY New Paltz via samples from Silver Lake Beach (06/06/18)
- Hydrilla Drone surveys conducted at Dam & Silver Lake Beach & **First water quality samples taken: all Normal** (06/07/18)
- Hydrilla Task Force Call & Croton Hydrilla Biweekly Call (06/12/18)
- Met with USGS tech to check stagnant station reading & SOLitude licensed applicator to refill tanks (06/13/18)

Upcoming Tasks 06/18/2018-06/29/2018		
Task #	Description	Lead
1	AIS Outreach @ Clearwater Revival (6/16-6/17)	ISCS - White
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	Draft 2017 Annual Report	ISCS - White
5	Biweekly ICS reports	ISCS - White
6	Post water quality sampling results to webpage	ISCS- White
7	Follow up on REON site partnership	ISCS-White

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),

Wendy Rosenbach (R3 CPS)

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