

PROJECT STATUS UPDATE: 2021 CROTON HYDRILLA CONTROL PROJECT

REPORT DATE: 08/23/21-09/03/21

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

Project Description: This is the 5th year of hydrilla treatment in the Croton River based on a 5-Year management plan. After successful treatments in 2017, 2018, 2019, and 2020 the treatment proposed for 2021 again involves the injection of the aquatic herbicide fluridone (Sonar Genesis®) 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 90-120 days. Drinking water sample reports are posted on this DEC webpage: <https://www.dec.ny.gov/animals/110624.html>

Tasks Completed – 2021 Field Season

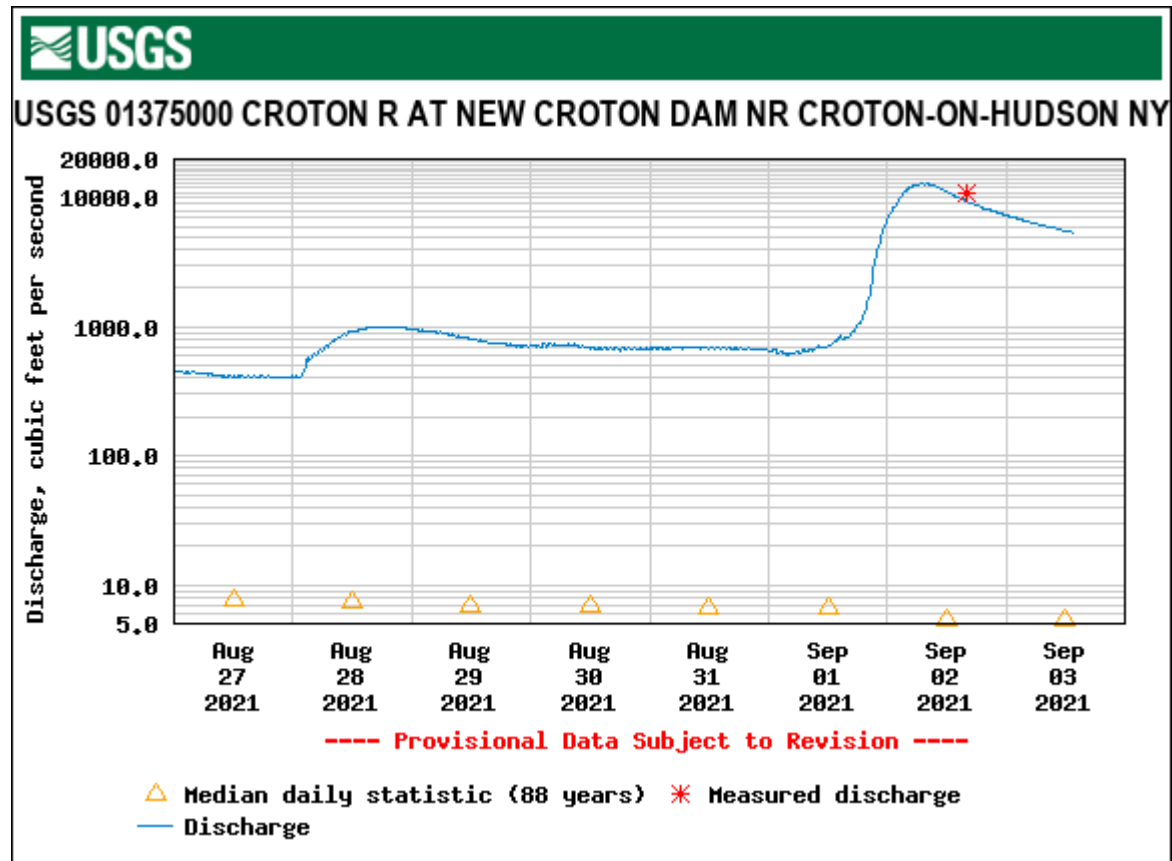
- Treatment SHUT DOWN due to high flows since 8/28
- Following rains from Hurricane IDA, the Croton River crested at approximately 12,600 CFS on 9/2. By end of day 9/3 discharge was 5,510 CFS. There was considerable flooding along the River including Black Rock Park and into the project shed. Conduit and injection line at black rock park was damaged and will be inspected further once floodwaters recede to a safe level. There was no damage to either injection unit. Communication with units (tank-level sensors, tamper alarms, leak sensor) and security cameras remained functional throughout the storm. All other project equipment is fine. Treatment will remain off pending flows returning to below 500CFS at the dam, and pending repairs to conduit/line at Black Rock Park.
- No DW samples were collected on 9/2 due to the well fields being flooded. Sampling can resume once the site is safe to access. No river samples will be collected until treatment resumes.

Drinking Water Fluridone Concentration Results (Phoenix Labs)		
Date Collected	Sample Status	Listed As
8/19	Fluridone < 1ppb	Normal
8/24	Fluridone < 1ppb	Normal
8/26	Fluridone < 1ppb	Normal
8/31	Still At Lab	-
9/2	NO SAMPLING	-

Upcoming Tasks		
Task #	Description	Lead
1	Village Drinking Water Sampling 2x per week	SOLitude/Village Water Dept.
2	Post Village Drinking water sample results to webpage	ISCS - McGlynn
3	Repairs to BRP conduit/injection line once floodwaters recede	ISCS/SePRO/SOLitude

Internal Group Members: Nicole White, Catherine McGlynn, Anthony Lamanno, Bill Rudge, Justin Perry, Josh Thiel

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



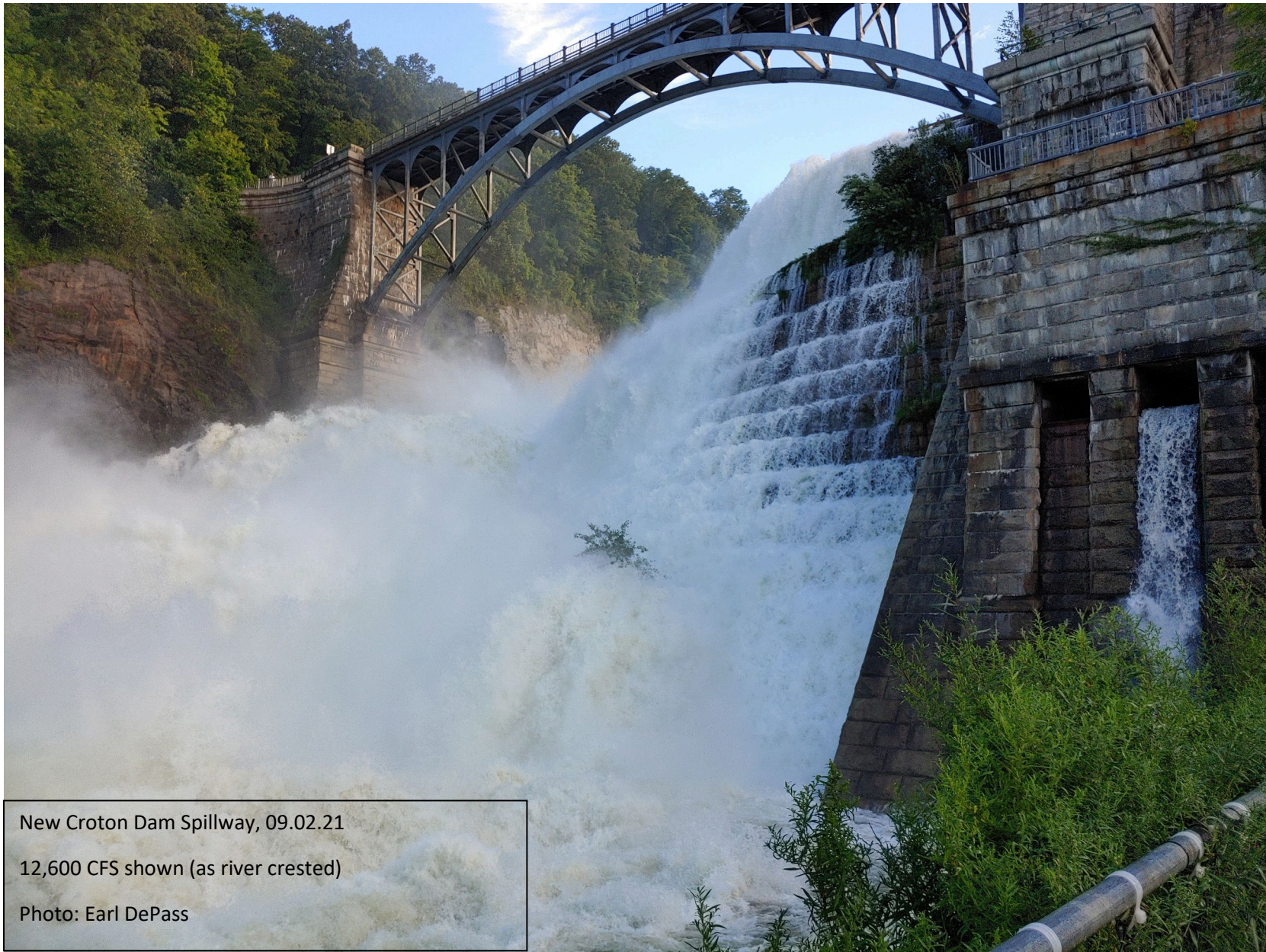


Black Rock Park, 09.03.21

Chain link fence washed away, conduit and injection line damage will be surveyed further once waters recede.

5,510 CFS shown

Photo: Earl DePass



New Croton Dam Spillway, 09.02.21

12,600 CFS shown (as river crested)

Photo: Earl DePass