New Croton Reservoir Hydrilla Management

Westchester Water Works Conference

October 12, 2022

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Thank You

Westchester Water Works Conference

- SOLitude Lake Management
- New York State Department of Environmental Conservation
- Water Research Foundation
- SePRO Corporation
- SUNY Oneonta

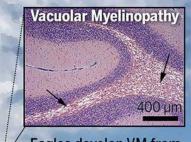




Hydrilla

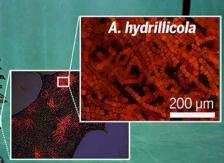
Hydrilla verticillata





Eagles develop VM from preying on neurologically impaired coots who have ingested the toxin

Coots and other animals consume vegetation contaminated with the neurotoxin and develop Vacuolar Myelinopathy (VM)



The cyanobacterium Aetokthonos hydrillicola grows on aquatic vegetation and produces a neurotoxin Image credit: Science, Hunting the eagle killer: A cyanobacterial neurotoxin causes vacuolar myelinopathy

Impacts

Ecological

Operational

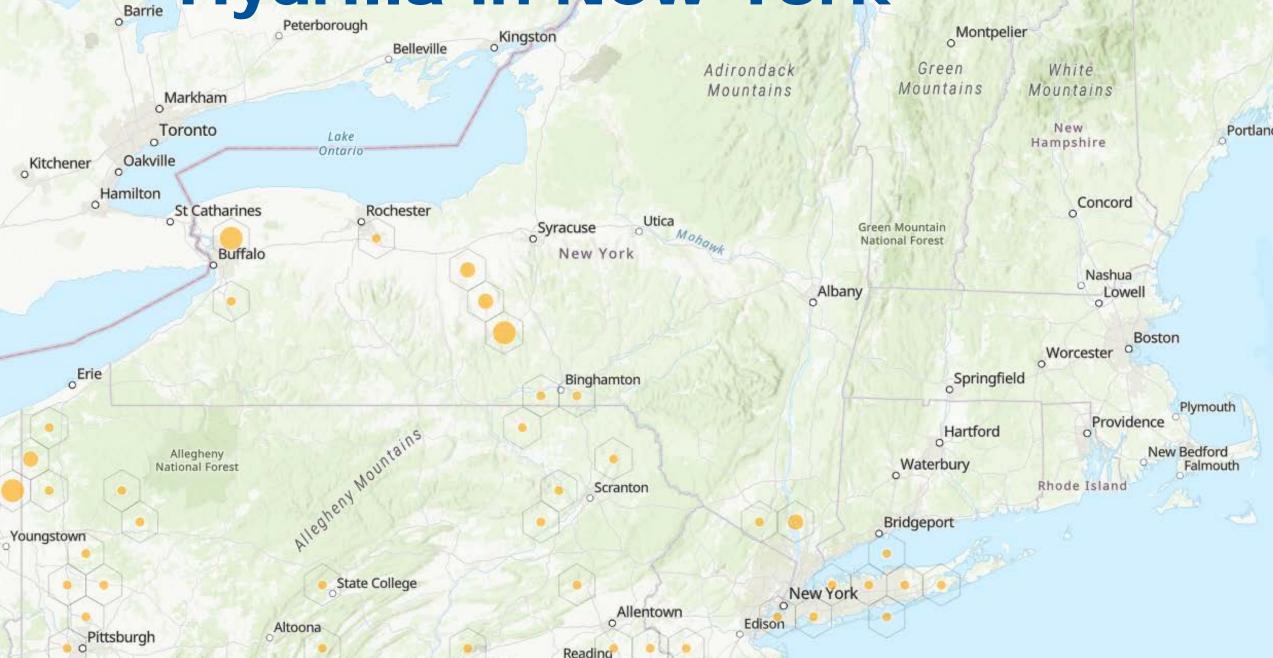
Economic

Regional spread

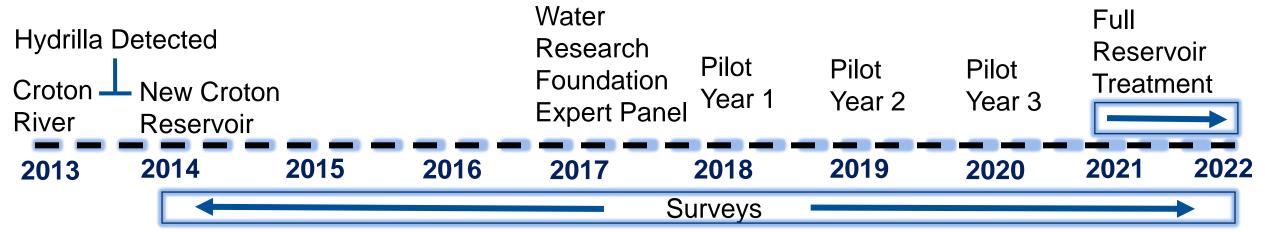


Hydrilla in New York

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Hydrilla in New Croton





Results

- Tuber reduction
- Lower density
- 2022 nearly absent