

Village of Southampton, NY Old Town Pond & Wickapogue 2020 Management Plan

The Old Town Pond & Wickapogue Pond 2020 Management Plan, created by the Southampton Village Clean Water Committee, was approved and adopted by the Southampton Village Mayor and Trustees on December 10, 2020.

Improve Pond Water Quality

Pond Management Recommendations	Status/Actions	Responsible Entity	Addresses Cyanotoxins	Impact/Total Effect	Time to Implement	Duration Effect	Cost (Estimated)	Grant/Match	Target Date
Conduct water quality study of Old Town Pond and Wickapogue Pond to update 2017 Village Water Quality study by Stony Brook University; continue water quality and cyanobacteria monitoring to track trends in water quality. The New York State Department of Environmental Conservation has a Harmful Algal Bloom notifications online webpage. Since 2014, water sampling results at Old Town Pond have confirmed the presence of harmful algal blooms and at Wickapogue Pond in 2014, 2016 and 2018.	Consider proposal	Mayor/Village Trustees & Town Trustees	Yes	Small/Small	2-3 months	Annual	\$20K		2020 - 2023
Dredging of Sediments: Apply for New York State Department of Environmental Conservation, Non-agricultural Nonpoint Source Planning Grant Program award to include Old Town Pond and Wickapogue in the dredging feasibility study for Lake Agawam. Conduct sediment study of Old Town Pond & Wickapogue Pond: map locations and depth, determine composition, analyze chemistry, and survey biome within and on top of sediments. Sediment in Old Town Pond represented 10% of the nitrogen load to Old Town Pond and represented 17% to Wickapogue Pond. New York State Department of Environmental Conservation, Non-agricultural Nonpoint Source Planning Grant Program award of \$30,000 approved 12/2019 for Lake Agawam Dredging Feasibility Study; Lake Agawam dredging project to assess dredging and complete study cost \$68,000, with net cost to Village \$38,000.	Consider grant application and proposal	Mayor/Village Trustees & Town Trustees	Yes	Immediate/Large	1 year to complete dredging	Decades	Additional \$10K for Old Town Pond, Wickapogue Pond sediment and feasibility study		2020-2022
Algae Harvester, DEC pilot program to combat Harmful Algal Blooms, evaluate algae harvester results at Lake Agawam to explore pilot program for Old Town Pond and Wickapogue Pond.	2019 Pilot program completed at Lake Agawam October 2019.	DEC, Mayor/Village Trustees	Yes	Immediate/Large	8 months to complete	Annual	\$1M	DEC Award	2020-2021
Floating Islands with native plants for nutrient removal.	Conceptual stage	Mayor/Village Trustees & Town Trustees	Yes	Immediate/Modest-Large	8 months to implement	Annual	\$50K		2020-2023
Install air bubbler equipment to improve oxygen levels in the ponds.	Conceptual stage	Mayor/Village Trustees & Town Trustees, Village Department of Public Works.	No	Immediate/Small	1 month	Annual	\$10K/YR		2020-2023
Improve fish populations in the ponds favoring native fish.	Conceptual stage/DEC Fish Stocking Permit.	Mayor/Village Trustees	No	Immediate/None	8 months to implement	Permanent	\$25K/YR		2025

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Increase Stormwater Management and Reduce Nutrient Pollution to the Watershed

Pond Management Recommendations	Status/Actions	Responsible Entity	Address Cyanotoxins	Impact/Total Effect	Time to Implement	Duration effect	Cost (Actual/Estimated)	Grant/Match	Target Date
Old Town Pond Stormwater Drainage Improvements: Establish bioswales in the Old Town Pond watershed for the Old Town Pond Green Infrastructure project: 150+ foot long bioswale within a 6,000 SF planting area for Old Town Pond - North, repair Dock/Walkway; 220+ foot long bioswale placed within a 2,640 SF planting area for Old Town Pond - South; Two 600 SF Grass-PAVE2 permeable parking areas near current parking areas for Old Town Pond - East. Establish bioswales in the Wickapogue Pond watershed.	Suffolk County WQPRP grant award approved 2/25/2020. Village applied for Southampton Town CPF funds for match commitment.	Village Zoning Board of Appeals, Village Department of Public Works	Yes	Immediate/ Modest	6 months	Permanent	\$191,795	Grant request is 50% of project cost: \$95,897; Village has committed to other 50%, or \$95,898, CPF funds awarded 12/2020;	2020 - 2023
Old Town Pond Water Quality Project: Constructed Treatment Wetland with groundwater collection trench (pumped), aerated gravel nitrification zone, woodchip denitrification zone and in-pond re-aeration zone; Constructed Treatment Wetland proposal cost not to exceed \$16,300, possible CPF funds. New York State Green Innovation Grant Program (GIGP) funding is provided through the Clean Water State Revolving Fund and is administered by the New York State Environmental Facilities Corporation.	Roux Environmental Engineering design proposal for Constructed Treatment Wetland approved in an amount not to exceed \$16,300 by Mayor/Board of Trustees on 12/10/2020. Roux will install 6 temporary groundwater monitoring wells in January 2021.	Village Zoning Board of Appeals, Village Department of Public Works	Yes	Immediate/ Modest	2 -3 months	Permanent	\$928,700	Village will request 90% of eligible project costs, up to an estimated \$883,530 in GIGP funds and providing a 10% matching share estimated at \$98,170, possible CPF funds	2021-2022
Encourage residents to upgrade to Innovative/Alternative septic systems in the Old Town Pond and Wickapogue Pond High Priority Area. Wastewater was the largest source of nitrogen to Old Town Pond at 73% and 33% to Wickapogue Pond. Consult with Old Town Pond and Wickapogue homeowners; Village conduct study to determine whether excess capacity of Southampton Hospital Sewage Treatment Plant can be directed to one or more neighborhoods near Old Town Pond and Wickapogue Pond.	Promote I/A septic system upgrades & rebate/grant programs already available.	Mayor & Village Trustees, Village Clean Water Committee	Yes	10 years/Large	Ongoing	Permanent	\$9M Estimated	Available to Homeowners: Town CPF & Suffolk County Department of Health services rebates, Town Code Chapter 123.	2020 - 2025
Reduce use of fertilizers: promote use of phosphorous-free fertilizers and reduce nitrogen fertilizer use; fertilizer was the largest source of nitrogen to Wickapogue Pond at 35% and fertilizer was the third largest source of nitrogen to Old Town Pond.	Workshops & forums for residents to be scheduled.	Village Clean Water Committee.	Yes	Immediate / Modest	8 months	Permanent	(Request budget for experts, programs, advertising & promotion)	None	Ongoing
Legislation regulating Southampton Village landscaper contractors, including informing homeowners of fertilizers and pesticides used. Ord. No.4-2019, adopted 2019-04-11.	The March 1, 2020 effective date of the legislation is postponed to 2021.	Mayor & Village Trustees, Village Clean Water Committee.	Yes	Immediate/ Modest-Large	6 months	Permanent	None	None	Adopted 2019.04.11
Post Old Town Pond and Wickapogue Pond 2020 Management Plan on Village Website; Consult with homeowners and obtain feedback for final management plan; Develop environmental signage, educational pamphlets, Village newsletter and public information media.	In process	Village Clean Water Committee	No	Immediate/Small	0	Annual	(Request Village budget for design, printing, mailing, IT)		Ongoing

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Accelerate Enhancements to Shoreline & Natural Buffer Areas

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Establish waterfront natural buffer areas among residents.	Village Permits	Village Zoning Board of Appeals, Village Clean Water Committee	Yes	Immediate/Modest	8 months	Permanent	None	None	2020 - 2023
Remove invasive vegetation in favor of natural habitat areas.	Not Implemented, Conceptual stage/Village Permit.	Village Zoning Board of Appeals, Village Clean Water Committee	Yes	Immediate/Modest	3 years	Permanent	>\$1M		2020 - 2023
Control waterfowl populations through management practices.	Signage posted not to feed waterfowl	Mayor & Village Trustees, Village Department of Public Works, Village Clean water Committee	No	Immediate/None	8 months	Permanent	\$10K/YR		2023-2025