Canandaigua Lake Watershed Council Accelerating Water Quality Improvements and Flood Resiliency Through Enhanced Partnerships

Co-chairs: Supervisor Dan Marshall and Supervisor Jared Simpson Treasurer: Mayor Bob Palumbo

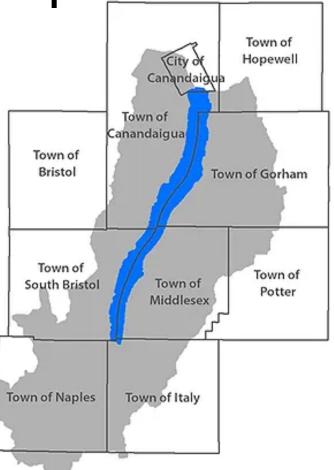
TOWNS: BRISTOL, CANANDAIGUA, GORHAM, HOPEWELL, ITALY, MIDDLESEX, NAPLES, POTTER, SOUTH BRISTOL VILLAGES: NAPLES, NEWARK, PALMYRA, RUSHVILLE CITY: CANANDAIGUA

Protecting the Lifeblood of our Region

CANANDAIGUA LAKE WATERSHED COUNCIL



PROTECTING THE LIFEBLOOD OF OUR REGION



- •Lake Length: 15. 5 miles
- •Average Width: 1.1 miles
- •Maximum Depth: 276 feet
- •Surface area of Lake: 10,550 acres
- •Watershed Land Area: 109,000 acres or 174 sq. miles
- •Volume: 433 billion gallons
- •Hydraulic Retention Time: 13.4 years
- •Shoreline Length: 36 miles (97% privately owned)
- •Over \$1 billion in shoreline assessed value some areas \$11,000+/ft of shoreline
- •Ontario County- Cdga shoreline is 12% of tax levy- 0.2% of land area
- •70,000+ people use it as a water supply

Canandaigua Lake Watershed Facts





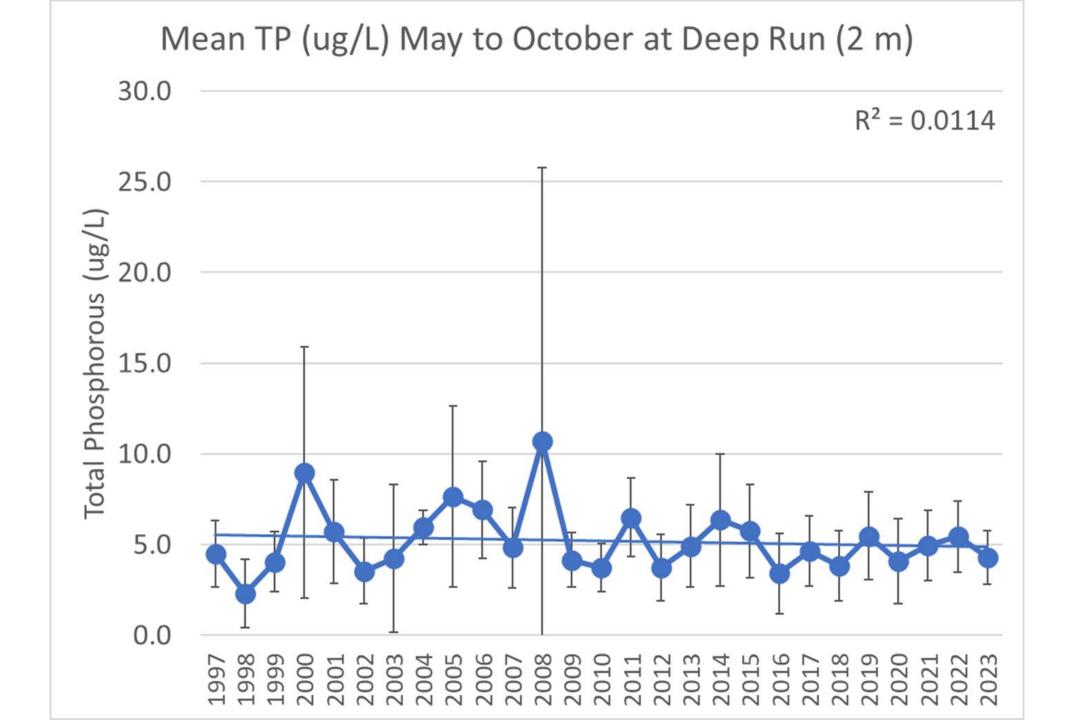
Harmful Algal Blooms have been occurring since 2015



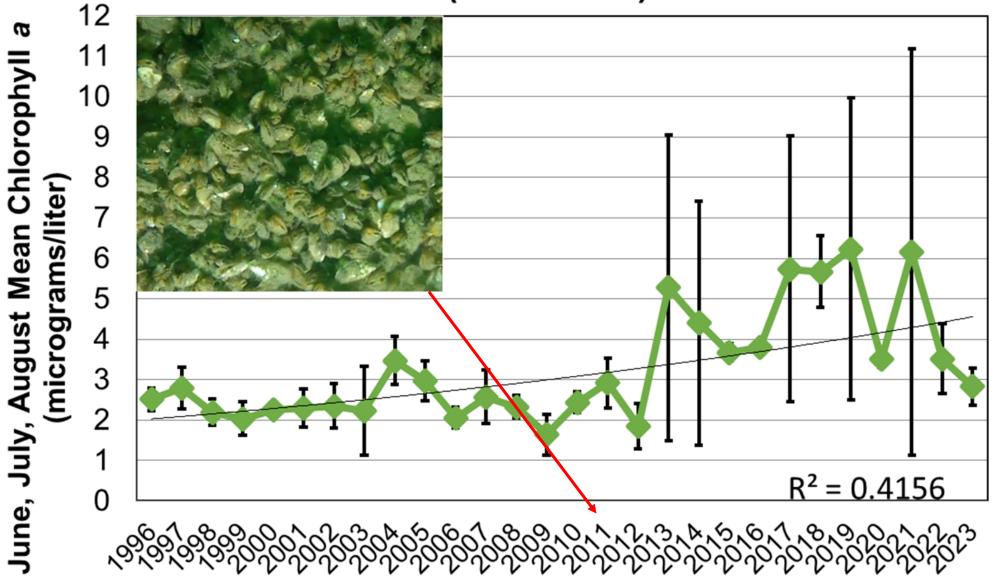


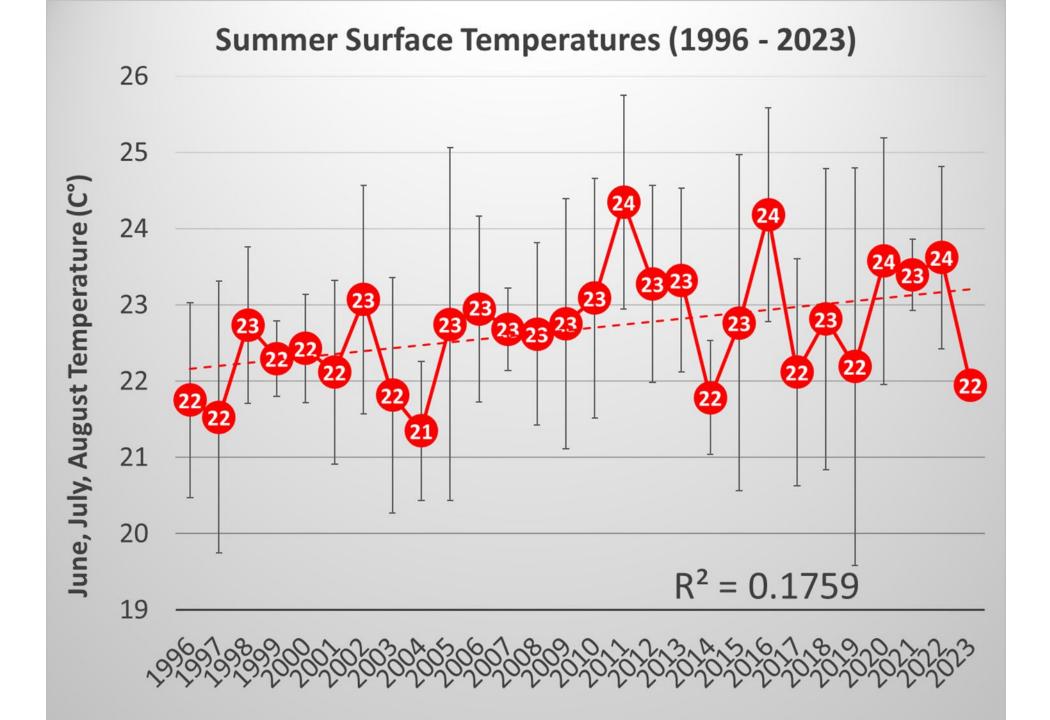
2020 and 2024 Aerial Pictures of HABS





Long-term Summer Mean Algal Abundance (1996-2023)

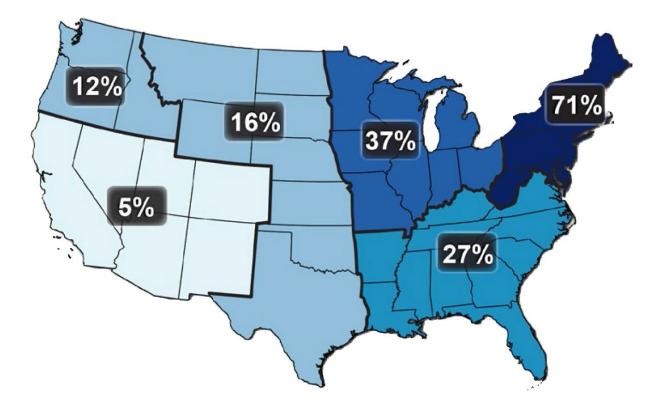




Extreme Rain Events Increase

Heavier precipitation in the northeast began in 1996 - Researchers from Dartmouth College

- The increase in extreme Northeast storms occurred as an abrupt shift in 1996, particularly in the spring and fall, rather than as a steady change over several decades.
- 53% increase in precipitation events that are 2 inches or greater- 1901 to 1996 as compared to 1996 to 2014
- The findings were published in an early online release of the American Meteorological Society's Journal of Hydrometeorology.



Percent increases in the amount falling in the heaviest 1% of daily precipitation events from 1958 to 2012. Trends toward more intense precipitation are particularly clear in the Midwestern and Northeastern US. From Third National Climate Assessment, modified

Updated the existing Watershed Plan to a Nine Element Watershed Plan

2014 COMPREHENSIVE UPDATE OF THE CANANDAIGUA LAKE WATERSHED MANAGEMENT PLAN

FINAL THE CANANDAIGUA LAKE WATERSHED COUNCIL

THE POLLUTANTS OF CONCERN FOR CANANDAIGUA LAKE INCLUDE:

- SEDIMENT
- PHOSPHORUS
- NITROGEN
- HEAVY METALS
- HYDROCARBONS
- OTHER TOXIC SUBSTANCES
- PERSONAL CARE
 PRODUCTS
- PATHOGENS
- DEICING SALT

CANANDAIGUA LAKE WATERSHED NINE ELEMENT PLAN FOR ENHANCED PHOSPHORUS MANAGEMENT



PROTECTING THE LIFEBLOOD OF OUR REGION



This Nine Element Plan was prepared with funding provided by the New York State Department of State under Title 11 of the Environmental Protection Fund

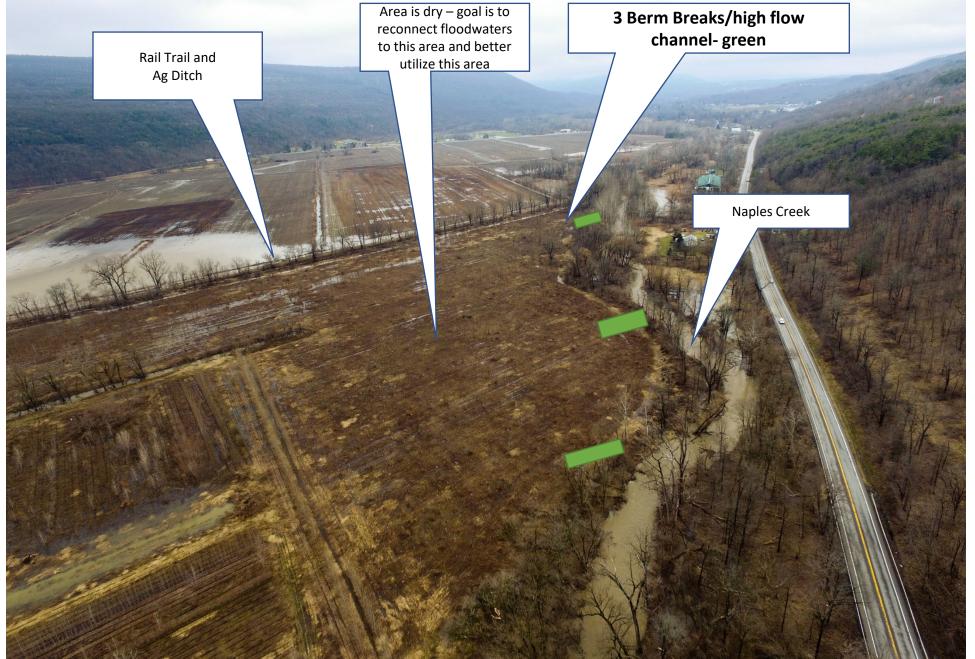
PROTECTING THE LIFEBLOOD OF OUR REGION

Quick Summary of Funding the Watershed Council Program

- 2025: \$165,000 from the 14 municipalities
- 2025 DRAFT Watershed Council Budget- \$821,000
- Watershed Council currently managing \$1.4 million in NYS grants
- **Major** equipment and labor assistance to implement projects and provide the local cash match
- City/Town of Canandaigua and Towns of Gorham/Hopewell are currently developing numerous Hazard mitigation projects for the significant public infrastructure damages that occurred on July 9, 2023- potentially over \$1,000,000 in mitigation projects

Fair Sha	re Fo	orm	ula										
Breakdown of	f Criteri	ia used	t in the	Formula						-			
Municipality	Gal. Use	Shore line	% of	Pop.	Watershed				e each year: gallons used and				
Measurement	Use millions	miles	w'shed %	Den. sq- mile	Assess millions-\$	\$ Range	Watersneu	d assessed valu	e.	\vdash			
Cdga City	1,548	niles	1.4	2449.7	456.5	Range 7	City used 1	105 Million more	college in 2022	\vdash			
V. Newark	1.040	1.~		4714	100.0		Uny unce		gallone in 2022			1	
T. Canandaigua	1,01.0	11.5	16.0	195.0	871.9	4	+ 1						
Gorham	162	7	17.5	87.5	523.3	3				\vdash			
South Bristol	33	7.4	9.9	42.1	405.6	4						1	
V. Palmyra	442			1	1							1	
Middlesex		7.5	18.4	43.6	189.0							1	
Naples			19.0	32.4	91.2	3						Í.	
V. Naples	50		0.8	939.8	56.4	3						Í.	
Rushville	43		0.3	969.1	22.4							ĺ	
Italy		0.4	9.5	27.4	41.9							1	
Hopewell			1.8	94.3	34.8	1						ĺ.	
Potter			3.3	49.8	4.2							Í.	
Bristol			0.3	59.0	2.7							ĺ –	
												ĺ –	
		Арр	orove	d Foi	rmula				Watershed Council				
									2024		2023		
Municipality	Gal.	Shore	% of	Рор	Watershed		Total	% of	2024 Annual		2023 Comparison		2000 parison
	Use	Shore line	% of w'shed	Pop Den	Watershed Assess	\$	Score	Total	2024 Annual Municipal Cost	*	Comparison	Comp	parison
Cdga City	Use 85.3	Shore line 1.3	% of w'shed 0.7	Pop Den 10.5	Watershed Assess 39.2	\$ 10.0	Score 147.0	Total 26.5%	2024 Annual Municipal Cost \$ 40,062	\$	Comparison 36,815	Comp \$	parison 24,
Cdga City V. Newark	Use 85.3 57.3	Shore line 1.3 0.0	% of w'shed 0.7 0.0	Pop Den 10.5 0.0	Watershed Assess 39.2 0.0	\$ 10.0 0.0	Score 147.0 57.3	Total 26.5% 10.3%	2024 Annual Municipal Cost \$ 40,062 \$ 15,611	\$	Comparison 36,815 15,735	Comp \$ \$	parison 24 14
Cdga City V. Newark T. Canandaigua	Use 85.3 57.3 0.0	Shore line 1.3 0.0 10.0	% of w'shed 0.7 0.0 8.4	Pop Den 10.5 0.0 0.8	Watershed Assess 39.2 0.0 74.9	\$ 10.0 0.0 5.7	Score 147.0 57.3 99.8	Total 26.5% 10.3% 18.0%	2024 Annual Municipal Cost \$ 40,062 \$ 15,611 \$ 27,210	\$	Comparison 36,815 15,735 26,047	Comp \$ \$ \$	24, 14, 11,
Cdga City V. Newark T. Canandaigua Gorham	Use 85.3 57.3 0.0 8.9	Shore line 1.3 0.0	% of w'shed 0.7 0.0 8.4 9.2	Pop Den 10.5 0.0 0.8 0.4	Watershed Assess 30.2 0.0 74.9 44.9	\$ 10.0 0.0 5.7 4.3	Score 147.0 57.3 99.8 73.8	Total 26.5% 10.3% 18.0% 13.3%	2024 Annual Municipal Cost \$ 40,062 \$ 15,611 \$ 27,210 \$ 20,117	\$ \$ \$	Comparison 36,815 15,735 26,047 19,414	Comp \$ \$ \$ \$	24, 14, 11, 9,
Cdga City V. Newark T. Canandaigua Gorham South Bristol	Use 85.3 57.3 0.0 8.9 1.8	Shore line 1.3 0.0 10.0 6.1 6.4	% of w'shed 0.7 0.0 8.4 9.2 5.2	Pop Den 10.5 0.0 0.8 0.4 0.2	Watershed Assess 30.2 0.0 74.9 44.9 34.8	\$ 10.0 0.0 5.7 4.3 5.7	Score 147.0 57.3 99.8 73.8 54.2	Total 26.5% 10.3% 18.0% 13.3% 9.8%	2024 Annual Municipal Cost \$ 40,062 \$ 15,611 \$ 27,210 \$ 20,117 \$ 14,766	\$ \$ \$ \$	Comparison 36,815 15,735 26,047 19,414 14,060	Comp \$ \$ \$ \$ \$ \$	24, 24, 14, 11, 9, 6,
Cdga City V. Newark T. Canandaigua Gorham	Use 85.3 57.3 0.0 8.9	Shore line 1.3 0.0 10.0 6.1	% of w'shed 0.7 0.0 8.4 9.2	Pop Den 10.5 0.0 0.8 0.4	Watershed Assess 30.2 0.0 74.9 44.9	\$ 10.0 0.0 5.7 4.3	Score 147.0 57.3 99.8 73.8	Total 26.5% 10.3% 18.0% 13.3%	2024 Annual Municipal Cost \$ 40,062 \$ 15,611 \$ 27,210 \$ 20,117 \$ 14,766 \$ 6,635	\$ \$ \$ \$ \$	Comparison 36,815 15,735 26,047 19,414 14,060 6,326	Comp \$ \$ \$ \$ \$ \$ \$ \$	24, 24, 14, 11, 9, 6,
Cdga City V. Newark T. Canandaigua Gorham South Bristol	Use 85.3 57.3 0.0 8.9 1.8	Shore line 1.3 0.0 10.0 6.1 6.4	% of w'shed 0.7 0.0 8.4 9.2 5.2	Pop Den 10.5 0.0 0.8 0.4 0.2	Watershed Assess 30.2 0.0 74.9 44.9 34.8	\$ 10.0 0.0 5.7 4.3 5.7	Score 147.0 57.3 99.8 73.8 54.2	Total 26.5% 10.3% 18.0% 13.3% 9.8%	2024 Annual Municipal Cost \$ 40,062 \$ 15,611 \$ 27,210 \$ 20,117 \$ 14,766 \$ 6,635 \$ 8,891	\$ \$ \$ \$ \$ \$ \$	Comparison 36,815 15,735 26,047 19,414 14,060 6,326 8,450	Comp \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24, 14, 11, 9, 6, 5,
Cdga City V. Newark T. Canandaigua Gorham South Bristol V. Palmyra	Use 85.3 57.3 0.0 8.9 1.8 24.3	Shore line 1.3 0.0 10.0 6.1 6.4 0.0	% of w'shed 0.7 0.0 8.4 9.2 5.2 0.0	Pop Den 10.5 0.0 0.8 0.4 0.2 0.0	Watershed Assess 39.2 0.0 74.9 44.9 34.8 0.0	\$ 10.0 0.0 5.7 4.3 5.7 0.0	Score 147.0 57.3 99.8 73.8 54.2 24.3	Total 26.5% 10.3% 18.0% 13.3% 9.8% 4.4%	2024 Annual Municipal Cost \$ 40,062 \$ 15,611 \$ 27,210 \$ 20,117 \$ 14,766 \$ 6,635 \$ 8,891 \$ 6,066	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Comparison 36,815 15,735 26,047 19,414 14,060 6,326 8,450 5,770	Comp \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24, 14, 11, 9, 6, 5, 4,
Cdga City V. Newark T. Canandaigua Gorham South Bristol V. Palmyra Middlesex	Use 85.3 57.3 0.0 8.9 1.8 24.3 0.0	Shore line 1.3 0.0 10.0 6.1 6.4 0.0 6.5	% of w'shed 0.7 0.0 8.4 9.2 5.2 0.0 9.7	Pop Den 10.5 0.0 0.8 0.4 0.2 0.0 0.2	Watershed Assess 30.2 0.0 74.9 44.9 34.8 0.0 16.2	\$ 10.0 0.0 5.7 4.3 5.7 0.0 0.0	Score 147.0 57.3 99.8 73.8 54.2 24.3 32.6	Total 26.5% 10.3% 18.0% 13.3% 9.8% 4.4% 5.9%	2024 Annual Municipal Cost \$ 40,062 \$ 15,611 \$ 27,210 \$ 20,117 \$ 14,766 \$ 6,635 \$ 8,891	\$ \$ \$ \$ \$ \$ \$	Comparison 36,815 15,735 26,047 19,414 14,060 6,326 8,450 5,770 4,486	Comp \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	20000 parison 244, 14, 11, 9, 6, 5, 5, 4, 3, 3, 3,
Cdga City V. Newark T. Canandaigua Gorham South Bristol V. Palmyra Middlesex Naples	Use 85.3 57.3 0.0 8.9 1.8 24.3 0.0 0.0	Shore line 1.3 0.0 10.0 6.1 6.4 0.0 6.5 0.0	% of w'shed 0.7 0.0 8.4 9.2 5.2 0.0 9.7 10.0	Pop Den 10.5 0.0 0.8 0.4 0.2 0.0 0.2 0.1	Watershed Assess 39.2 0.0 74.9 44.9 34.8 0.0 16.2 7.8	\$ 10.0 0.0 5.7 4.3 5.7 0.0 0.0 0.0 4.3	Score 147.0 57.3 99.8 73.8 54.2 24.3 32.6 22.3	Total 26.5% 10.3% 18.0% 13.3% 9.8% 4.4% 5.9% 4.0%	2024 Annual Municipal Cost \$ 40,062 \$ 15,611 \$ 27,210 \$ 20,117 \$ 14,766 \$ 6,635 \$ 8,891 \$ 6,066	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Comparison 36,815 15,735 26,047 19,414 14,060 6,326 8,450 5,770	Comp \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24, 14, 11, 9, 6, 5, 4, 3,
Cdga City V. Newark T. Canandaigua Gorham South Bristol V. Palmyra Middlesex Naples V. Naples	Use 85.3 57.3 0.0 8.9 1.8 24.3 0.0 0.0 2.8	Shore line 1.3 0.0 10.0 6.1 6.4 0.0 6.5 0.0 0.0	% of w'shed 0.7 0.0 8.4 9.2 5.2 0.0 9.7 10.0 0.4	Pop Den 10.5 0.0 0.8 0.4 0.2 0.0 0.2 0.1 4.0	Watershed Assess 30.2 0.0 74.9 44.9 34.8 0.0 16.2 7.8 4.8	\$ 10.0 0.0 5.7 4.3 5.7 0.0 0.0 4.3 4.3 4.3	Score 147.0 57.3 99.8 73.8 54.2 24.3 32.6 22.3 16.3	Total 26.5% 10.3% 18.0% 13.3% 9.8% 4.4% 5.9% 4.0% 2.9%	2024 Annual Municipal Cost \$ 40,062 \$ 15,611 \$ 27,210 \$ 20,117 \$ 14,766 \$ 6,635 \$ 8,891 \$ 6,066 \$ 4,450	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Comparison 36,815 15,735 26,047 19,414 14,060 6,326 8,450 5,770 4,486	Comp \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24, 14, 11, 9, 6, 5, 4, 3, 3, 1,
Cdga City V. Newark T. Canandaigua Gorham South Bristol V. Palmyra Middlesex Naples V. Naples Rushville	Use 85.3 57.3 0.0 8.9 1.8 24.3 0.0 0.0 2.8 2.4	Shore line 1.3 0.0 10.0 6.1 6.4 0.0 6.5 0.0 0.0 0.0 0.0	% of w'shed 0.7 0.0 8.4 9.2 5.2 0.0 9.7 10.0 0.4 0.2	Pop Den 10.5 0.0 0.8 0.4 0.2 0.0 0.2 0.1 4.0 4.2	Watershed Assess 39.2 0.0 74.9 34.8 0.0 18.2 7.8 4.8 1.9	\$ 10.0 0.0 5.7 4.3 5.7 0.0 0.0 4.3 4.3 0.0	Score 147.0 57.3 99.8 73.8 54.2 24.3 32.6 22.3 16.3 8.6	Total 26.5% 10.3% 18.0% 13.3% 9.8% 4.4% 5.9% 4.0% 2.9% 1.6%	2024 Annual Municipal Cost \$ 40,062 \$ 15,611 \$ 27,210 \$ 20,117 \$ 14,766 \$ 6,635 \$ 8,891 \$ 6,066 \$ 4,450 \$ 2,345	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Comparison 36,815 15,735 26,047 19,414 14,060 6,326 8,450 5,770 4,486 2,247	Comp \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24, 14, 11, 9, 6, 5, 4, 3, 1, 1, 1,
Cdga City V. Newark T. Canandaigua Gorham South Bristol V. Palmyra Middlesex Naples V. Naples V. Naples Rushville Italy	Use 85.3 57.3 0.0 8.9 1.8 24.3 0.0 0.0 2.8 2.4 0.0	Shore line 1.3 0.0 10.0 6.1 6.4 0.0 6.5 0.0 0.0 0.0 0.0 0.0	% of w'shed 0.7 0.0 8.4 9.2 5.2 0.0 9.7 10.0 0.4 0.2 5.0	Pop Den 10.5 0.0 0.8 0.4 0.2 0.0 0.2 0.1 4.0 4.2 0.1	Watershed Assess 39.2 0.0 74.9 34.8 0.0 18.2 7.8 4.8 1.9 3.6	\$ 10.0 0.0 5.7 4.3 5.7 0.0 0.0 4.3 4.3 0.0 0.0 0.0	Score 147.0 57.3 99.8 73.8 54.2 24.3 32.6 22.3 16.3 8.6 9.1	Total 26.5% 10.3% 18.0% 13.3% 9.8% 4.4% 5.9% 4.0% 2.9% 1.6%	2024 Annual Municipal Cost \$ 40,062 \$ 15,611 \$ 27,210 \$ 20,117 \$ 14,766 \$ 6,635 \$ 8,891 \$ 6,066 \$ 4,450 \$ 2,345 \$ 2,470	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Comparison 36,815 15,735 26,047 19,414 14,060 6,326 8,450 5,770 4,486 2,247 2,364	Comp \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24, 14, 11, 9, 6, 5, 4, 3, 3,
Cdga City V. Newark T. Canandaigua Gorham South Bristol V. Palmyra Middlesex Naples V. Naples V. Naples Rushville Italy Hopewell Potter	Use 85.3 57.3 0.0 8.9 1.8 24.3 0.0 0.0 2.8 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Shore line 1.3 0.0 10.0 8.1 6.4 0.0 6.5 0.0 0.0 0.0 0.0 0.0 0.3 0.0 0.0 0.0	% of w'shed 0.7 0.0 8.4 9.2 5.2 0.0 9.7 10.0 0.4 0.2 5.0 0.9 1.7	Pop Den 10.5 0.0 0.8 0.4 0.2 0.0 0.2 0.1 4.0 4.2 0.1 0.4 0.2	Watershed Assess 39.2 0.0 74.9 34.8 0.0 16.2 7.8 4.8 1.9 3.6 3.0 0.4	\$ 10.0 0.0 5.7 4.3 5.7 0.0 0.0 4.3 4.3 0.0 0.0 1.4 0.0	Score 147.0 57.3 99.8 73.8 54.2 24.3 32.6 22.3 16.3 8.6 9.1 5.8 2.3	Total 26.5% 10.3% 18.0% 13.3% 9.8% 4.4% 5.9% 4.4% 5.9% 4.0% 2.9% 1.6% 1.6% 1.6% 1.0% 0.4%	2024 Annual Municipal Cost \$ 40,062 \$ 15,611 \$ 27,210 \$ 20,117 \$ 14,766 \$ 6,635 \$ 8,891 \$ 6,066 \$ 4,450 \$ 2,345 \$ 2,470 \$ 1,573 \$ 629	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Comparison 36,815 15,735 26,047 19,414 14,060 6,326 8,450 5,770 4,486 2,247 2,364 1,510 606	Comp \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24, 14, 11, 9, 6, 5, 4, 3, 3, 1, 1,
Cdga City V. Newark T. Canandaigua Gorham South Bristol V. Palmyra Middlesex Naples V. Naples V. Naples Rushville Italy Hopewell	Use 85.3 57.3 0.0 8.9 1.8 24.3 0.0 0.0 2.8 2.4 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Shore line 1.3 0.0 10.0 8.1 6.4 0.0 6.5 0.0 0.0 0.0 0.0 0.3 0.0	% of w'shed 0.7 0.0 8.4 9.2 5.2 0.0 9.7 10.0 0.4 0.2 5.0 0.9	Pop Den 10.5 0.0 0.8 0.4 0.2 0.0 0.2 0.1 4.0 4.2 0.1 0.4	Watershed Assess 39.2 0.0 74.9 44.9 34.8 0.0 16.2 7.8 4.8 1.9 3.8 3.0	\$ 10.0 0.0 5.7 4.3 5.7 0.0 0.0 4.3 4.3 0.0 0.0 1.4	Score 147.0 57.3 99.8 73.8 54.2 24.3 32.6 22.3 16.3 8.6 9.1 5.8	Total 26.5% 10.3% 18.0% 13.3% 9.8% 4.4% 5.9% 4.4% 5.9% 4.0% 2.9% 1.6% 1.6% 1.0%	2024 Annual Municipal Cost \$ 40,062 \$ 15,611 \$ 27,210 \$ 20,117 \$ 14,766 \$ 6,635 \$ 8,891 \$ 6,066 \$ 4,450 \$ 2,345 \$ 2,470 \$ 1,573	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Comparison 36,815 15,735 26,047 19,414 14,060 6,326 8,450 5,770 4,486 2,247 2,364 1,510	Comp \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	24 14 11 9 6 5 4 3 3 1 1

Naples Creek BEFORE PROJECT: March 18,2018 flood event- TNC land- looking south

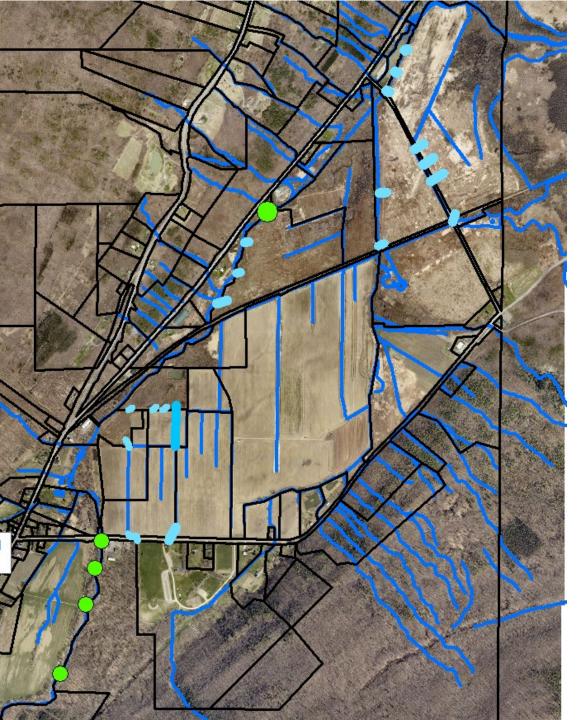


Naples Creek- TNC property breakouts



Berm Breaks on DEC Land





Naples Creek Water Quality and Flood Resiliency Project

- Partnership project- multiple funding sources and project partners
- 25% of all flow the enters Canandaigua Lake passes by this project area- roughly 10 billion gallons/yr!
- 13 plus new berm breaks to allow flow to enter floodplain
- 7 new culvert systems to convey flow into water quality storage areas
- 110 acres of land permanently protected- including 6,300 feet of riparian corridor
- 5 debris jams removed from the stream and bridge areas
- Fixed trail system along stream and allowed flow to access adjacent forested floodplain system
- Naples Creek now has more frequent and greater access to 100s of acres of additional flood plain that provides major water quality treatment

July 9th- Sucker Brook West Gibson and Happiness House

0:45 / 1:25

Picture in picture

Contraction (11)

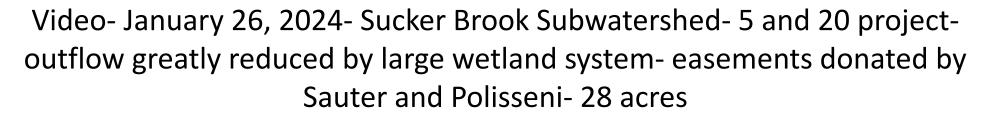
Sucker Brook Subwatershed - 5,800 acres





Video- January 26, 2024- Sucker Brook Subwatershed- 5 and 20 projectconveying 25% of the flow into a large wetland system- easements donated by Sauter and Polisseni- 28 acres Video- January 26, 2024- Sucker Brook Subwatershed- 5 and 20 projectconveying 25% of the flow into a large wetland system- easements donated by Sauter and Polisseni- 28 acres









Sucker Brook at West Gibson Street bridge- January 26, 2024- Peak flows reduced by upland storage basins



Happiness House/Sucker Brook Flood and Water Quality Resiliency Improvements



Reservoir Road- Only road to Village of Naples Water Treatment Plant Debbie Storm Damage and Restoration Work



Landowner/Farmer/Town/Watershed Partnership





Landowner/Farmer/Town/Watershed Partnership





Vine Valley Stream Partnership

Fallbrook Impacts on the North End of the Lake

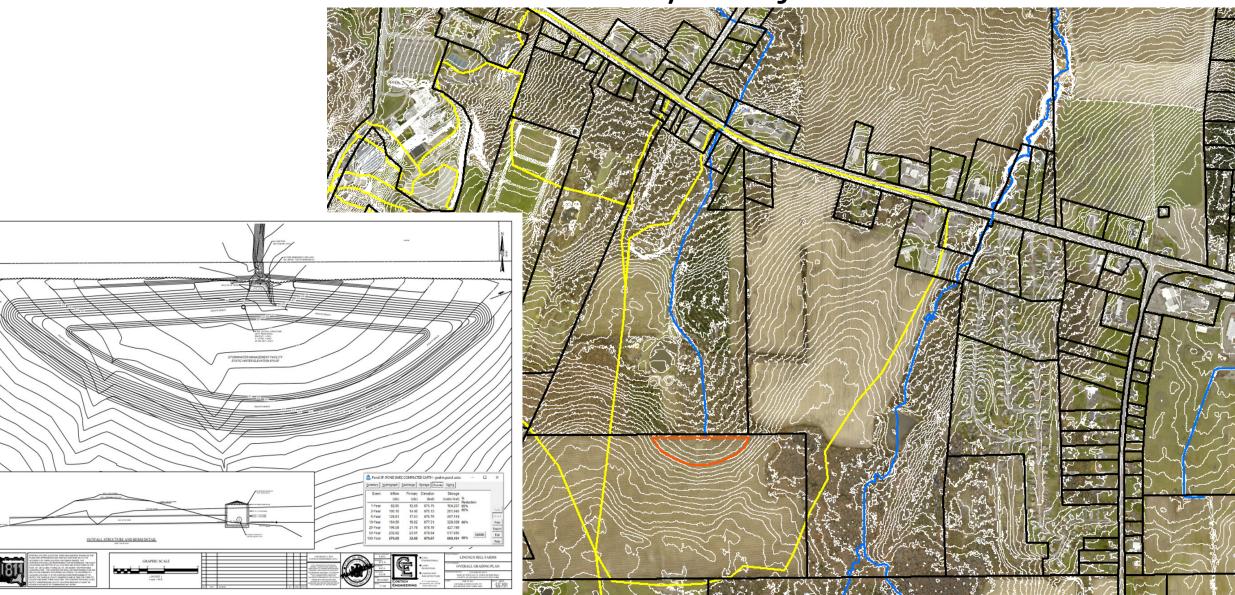
20-acre Fallbrook Water Quality and Flood Resiliency Project



5&20 Near Becker Motors/Miami Motel- July 9th 2023



Hopewell- 5&20/Smith Road- Flood Resiliency and Water Quality Project



- Construction completed by local municipal crews
- Donated 5 acre easement by Mastrisimone
- Overseen by Watershed Council
- Donated town equipment
- Rented large dozer
- Major cost savings by completing project- "in-house"

Construction Begins! April of 2024





Erosion channel before project- 3.5 acre water quality basin completed in May of 2024



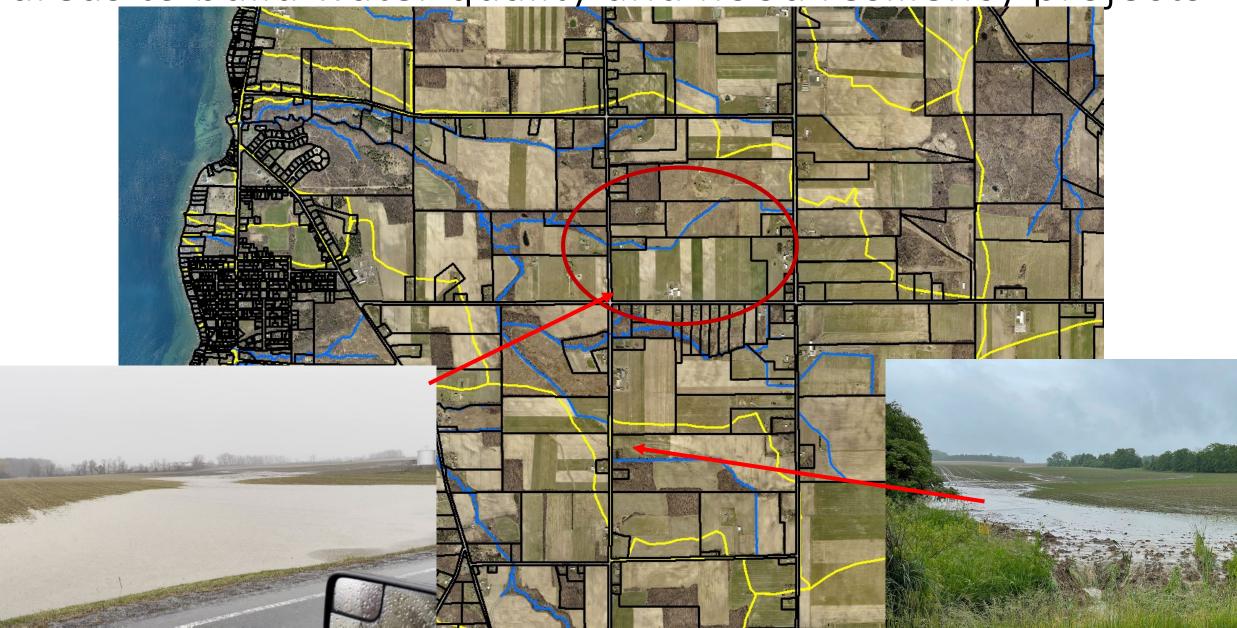




Edge of Field Partnership with Landowner, Watershed Council, County and Towns



Deep Run Subwatershed- Gorham- many opportunity areas to build water quality and flood resiliency projects





Enhancing Partnership between Canandaigua Lake Watershed Council and Charitable Organizations

- Obtained 501c3 Public Charity designation from IRS- can receive tax deductible donations
- Increase Financial Assistance through public/private partnerships to allow us to accelerate the implementation of many of these projects to protect Canandaigua Lake and increase flood resiliency
- Increased Funding will only be used for the construction of projects- no overhead/administrative costs
- We have a long history of implementing cost effective partnership projects that have been highly successful



For more information, visit www.canandaigualake.org