

Library Reference 5.6

Trend analysis (% per year) of tributary loading to Onondaga Lake, 2002-2011.

Parameter ¹	Metro		Onondaga Creek		Harbor Brook		Ley Crk	Ninemile Crk	Crucible	Allied
	Treated Effluent	Bypass	Dorwin	Kirkpatrick	Velasko	Hiawatha	Park	Route 48	Trib. 5A	East Flume
Nitrogen	NH3N	-34.6%	-7.1%	-5.3%	-10.3%	-4.0%	-4.5%	-3.7%	-13.9%	12.5%
	NO2N	-29.0%	-15.3%	8.2%	8.4%				-11.4%	10.1%
	NO3N	6.6%						-4.4%	-12.5%	5.6%
	TKN	-25.5%							-12.4%	
Phosphorus	TP	-21.2%	7.2%	7.1%				5.4%	-13.9%	
	SRP		11.5%	5.0%				9.3%	-19.4%	
Solids	TSS	-13.6%	8.3%	8.3%				4.9%		
Carbon	TIC	-5.2%							-10.5%	6.1%
	TOC	-9.2%	-12.2%						-11.4%	
	TOC_F	-7.5%							-10.7%	
Other	ALK	-4.8%							-9.6%	7.0%
	BOD5	-21.8%						4.2%	-11.0%	12.1%
	CA								-10.5%	8.2%
	CL							-3.6%	-13.3%	9.6%
	FCOLI	-27.7%							-22.6%	
	NA					3.0%			-12.6%	7.1%
	SIO2								-9.6%	6.6%

Notes:

Decreasing trends (p<0.1) are negative values highlighted in orange.

Increasing trends (p<0.1) are positive values highlighted in green.

No value shown indicates no statistically significant trend observed.

¹ no TN samples collected in 2011

Updated 9/7/12 ARP