

SIMPLE-Monthly Pollutant Loading Model Results - Little Sarasota Bay Basin TN

Section 1	TN Loading has increased by 281% from 2001-2016
	Irrigation was the component that saw the greatest decrease in loading from 2001-2016 (-100%)
Section 2	Atmospheric Deposition is the greatest contributor to TN in the Little Sarasota Bay basin, contributing 100% of the total load.
Section 3	Little Sarasota Bay basin is a major TN contributor to the Little Sarasota Bay watershed.

Section 1

Little Sarasota Bay

		Total Nitrogen		
Pollutant Loading Trend		Increase	281%	2001 to 2016
Components of the Trend	Stormwater Runoff	No Change	0%	2001 to 2016
	Baseflow	No Change	0%	2001 to 2016
	Septic Systems	Decrease	-81%	2001 to 2016
	Point Source	Cannot calculate		2001 to 2016
	Irrigation	Decrease	-100%	2001 to 2016
	Atmospheric Deposition	No Change	0%	2001 to 2016

Year	Total	Runoff	Baseflow	Septic	Point Source	Irrigation	Atmospheric
2001	1333.59	0.12	0.01	59.53	0.00	252.68	5067.54
2006	32196.61	0.12	0.01	11.60	0.00	0.00	32184.88
2011	10614.16	0.12	0.01	11.60	0.00	0.00	10602.43
2016	5079.27	0.12	0.01	11.60	0.00	0.00	5067.54

Units are pounds per year and modeled using a typical rainfall year.

Jones Edmunds and Associates conducted this modeling for Sarasota County in 2017.

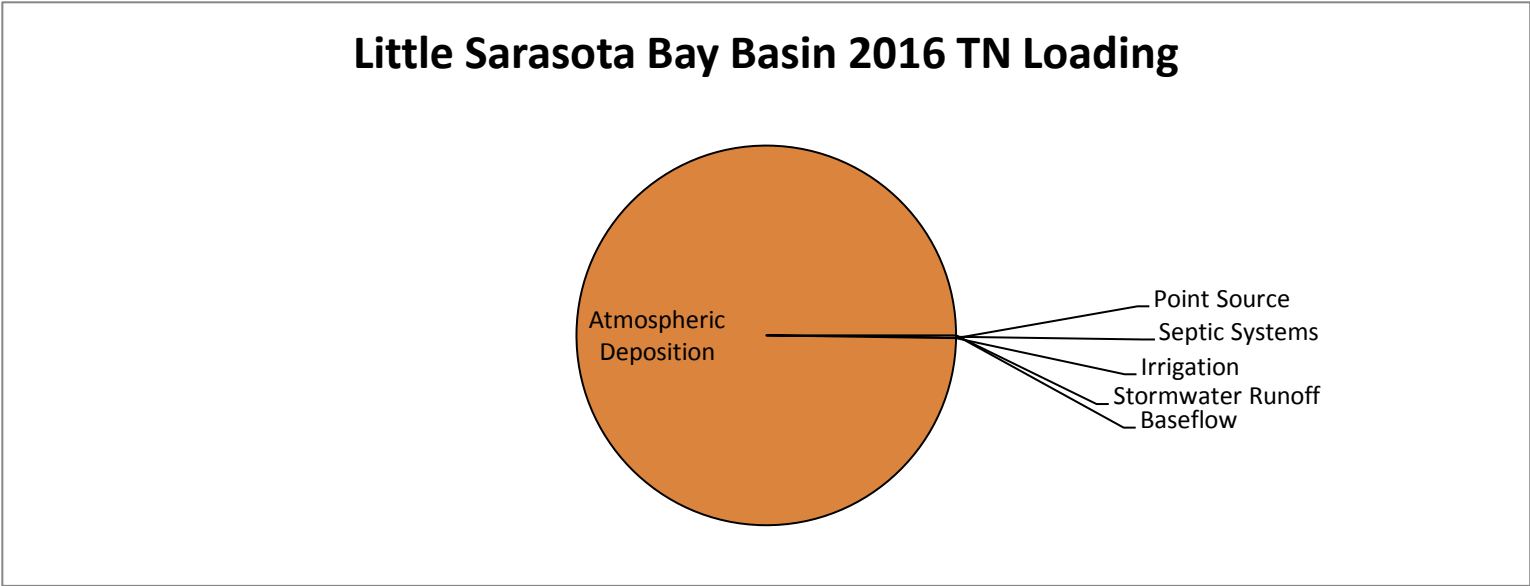
Modeling was conducted only for the parts of basins located within Sarasota County.

Pollutant loading from Atmospheric Deposition (wet and dry) was conducted only for bays.

Section 2

Little Sarasota Bay

		Total Nitrogen
2016 Pollutant loading is influenced by some sources more than others		
Stormwater Runoff		0%
Baseflow		0%
Septic Systems		0%
Point Source		0%
Irrigation		0%
Atmospheric Deposition		100%



Section 3

Little Sarasota BayTotal Nitrogen

2016 Pollutant loading to the Little Sarasota Bay watershed has more than one source
Proportion of loading is High when % load is compared to % acreage.
Little Sarasota Bay Basin acreage is 18% and % loading is 21%

Little Sarasota Bay is a part of the Little Sarasota Bay watershed

	Pounds TN 2016	Acreage
Little Sarasota Bay watershed	23,815	10,552

The following basins contribue to the loading to the Little Sarasota Bay watershed

	Pounds TN 2016	% of Watershed Load	Acreage	% of Little Sarasota Bay watershed
Catfish Creek	14,057	59%	3,984	38%
Clower Creek	71	0%	284	3%
Elligraw Bayou	196	1%	473	4%
Holiday Bayou	43	0%	201	2%
Little Sarasota Bay Coastal	799	3%	867	8%
North Creek	3,358	14%	2,327	22%
Siesta Key Little Sar. Bay	133	1%	429	4%
Little Sarasota Bay	5,079	21%	1,851	18%
Casey Key Little Sar. Bay	77	0%	137	1%

