

SIMPLE-Monthly Pollutant Loading Model Results - Roberts Bay TN

- Section 1** TN Loading has decreased by 99% from 2001-2016. Septic, Point Source, and Irrigation input were the components that saw the greatest decrease in loading from 2001-2016 (-100%)
- Section 2** Atmospheric Deposition is the greatest contributor to TN in Roberts Bay, contributing 100% of the total load.
- Section 3** Roberts Bay Basin is not a major TN contributor to the Roberts Bay watershed.

Section 1 Roberts Bay

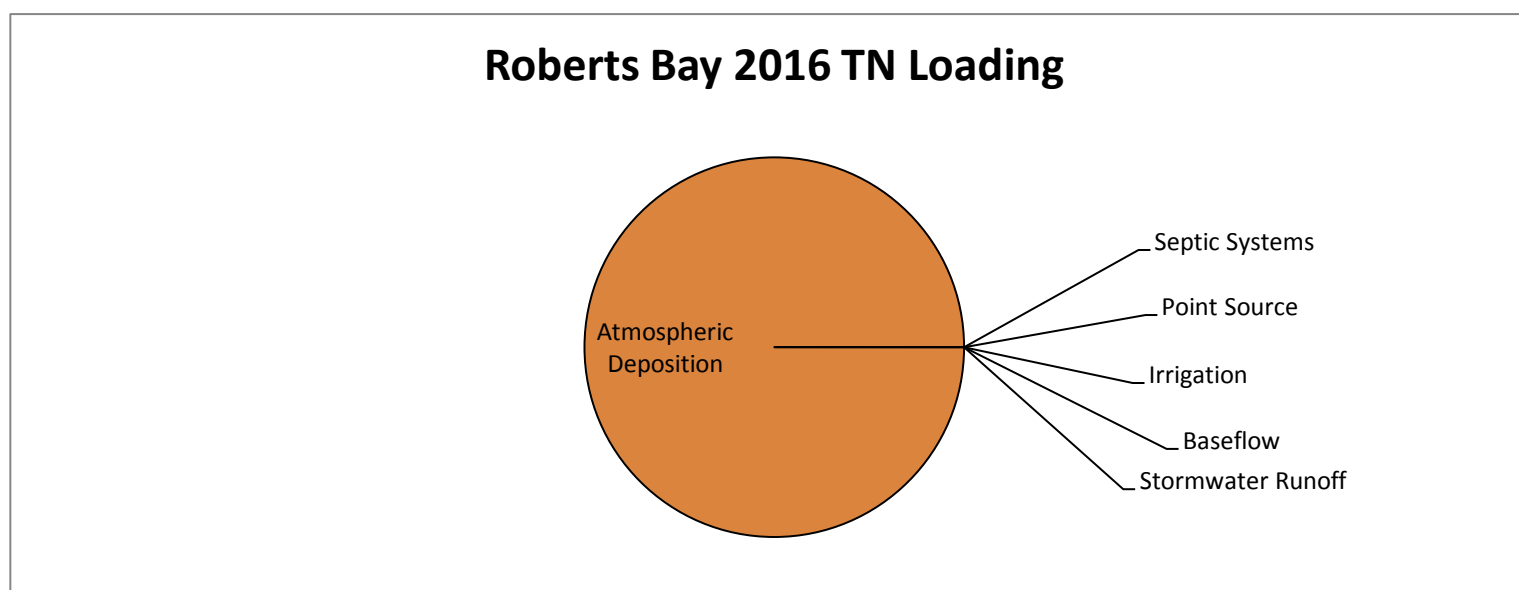
		Total Nitrogen		
Pollutant Loading Trend		Decrease	-99%	2001 to 2016
Components of the Trend				
	Stormwater Runoff	No change	0%	2001 to 2016
	Baseflow	No change	0%	2001 to 2016
	Septic Systems	Decrease	-100%	2001 to 2016
	Point Source	Decrease	-100%	2001 to 2016
	Irrigation	Decrease	-100%	2001 to 2016
	Atmospheric Deposition	No change	0%	2001 to 2016

Year	Total	Runoff	Baseflow	Septic	Point Source	Irrigation	Atmospheric
2001	52755.88	0.04	0.00	0.73	431.49	323.30	579.51
2006	8743.21	0.04	0.00	0.00	0.00	0.00	8743.17
2011	0.00	1.34	0.18	0.00	0.00	0.03	21298.18
2016	579.55	0.04	0.00	0.00	0.00	0.00	579.51

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 Roberts 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

Roberts Bay

Total Nitrogen

2016 Pollutant loading to the Roberts Bay watershed has more than one source

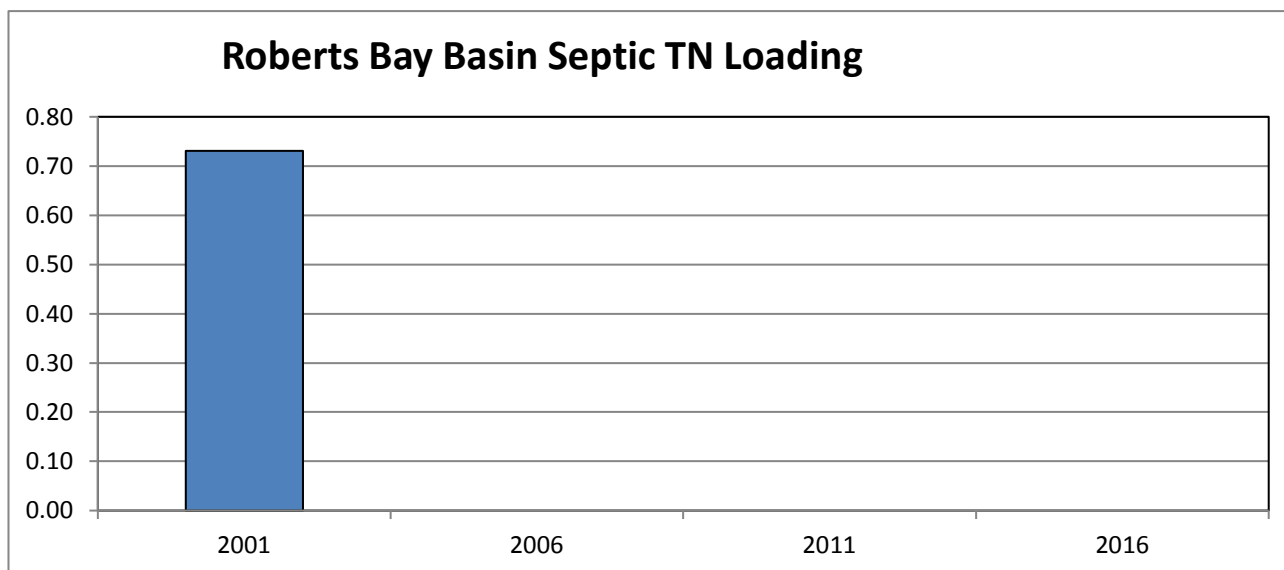
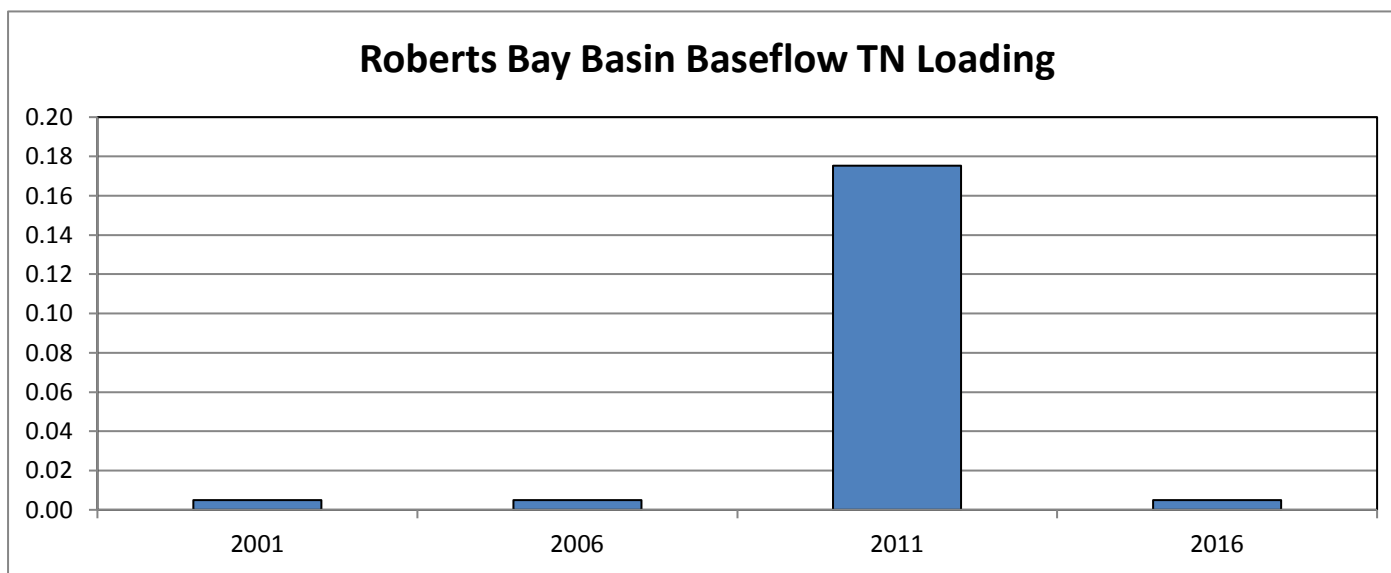
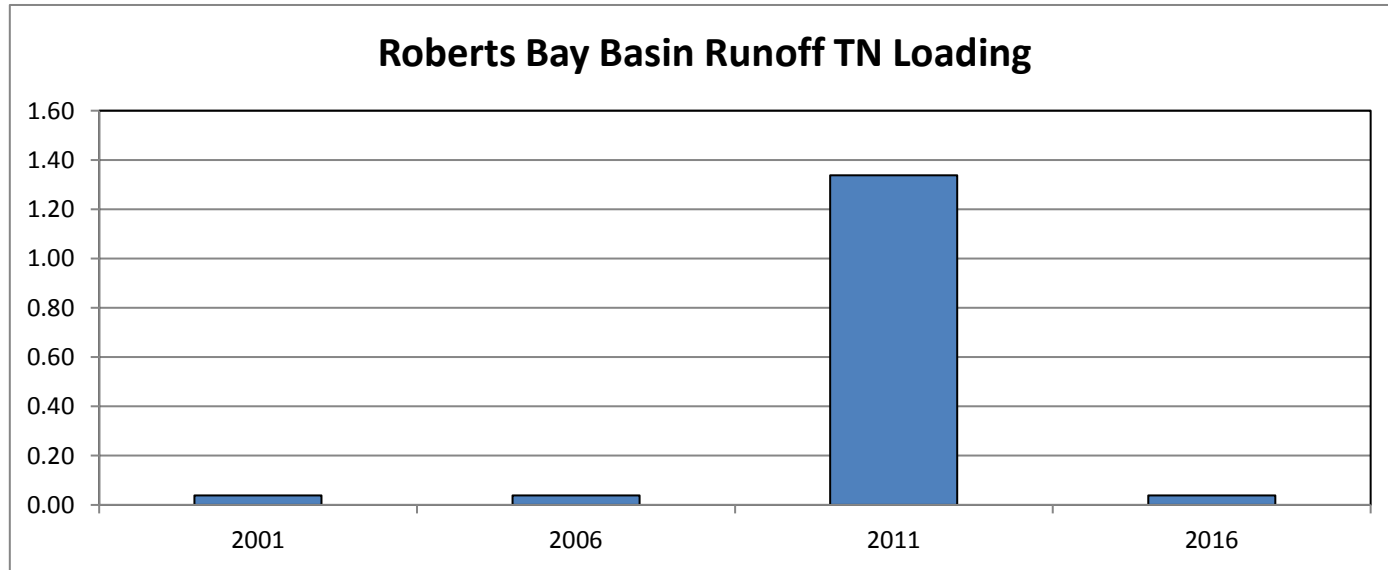
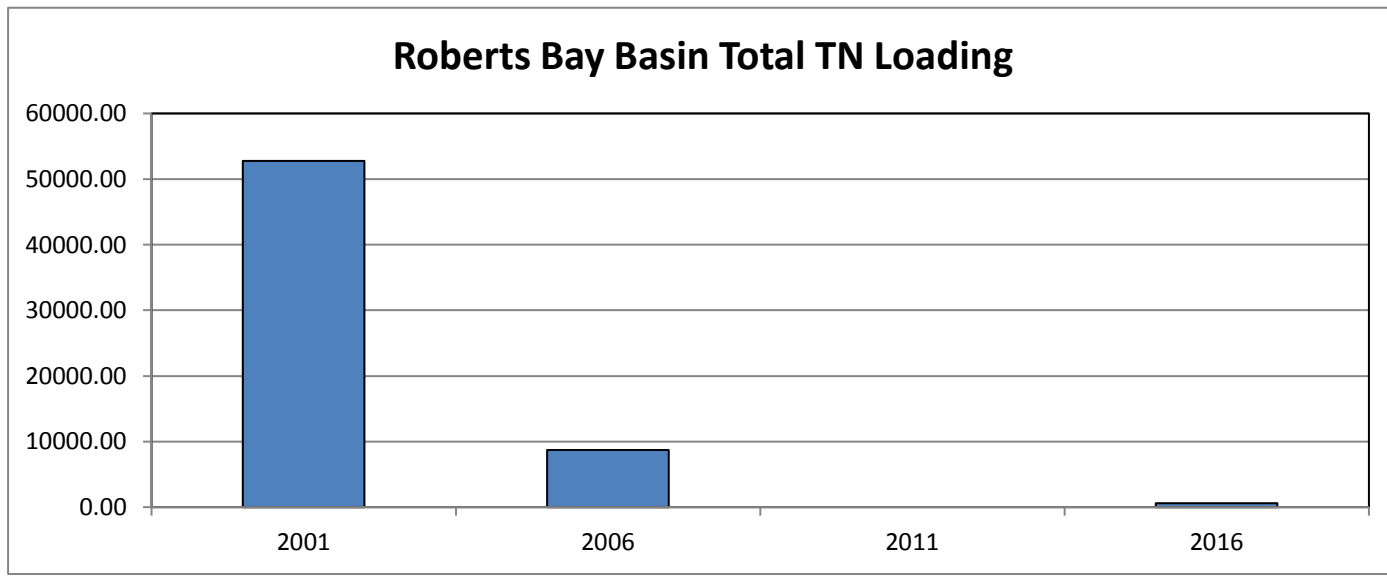
Proportion of loading is **Low** when % load is compared to % acreage.
Roberts Bay Basin acreage is 3% and % loading is 0%

Roberts Bay Basin is a part of the Roberts Bay watershed

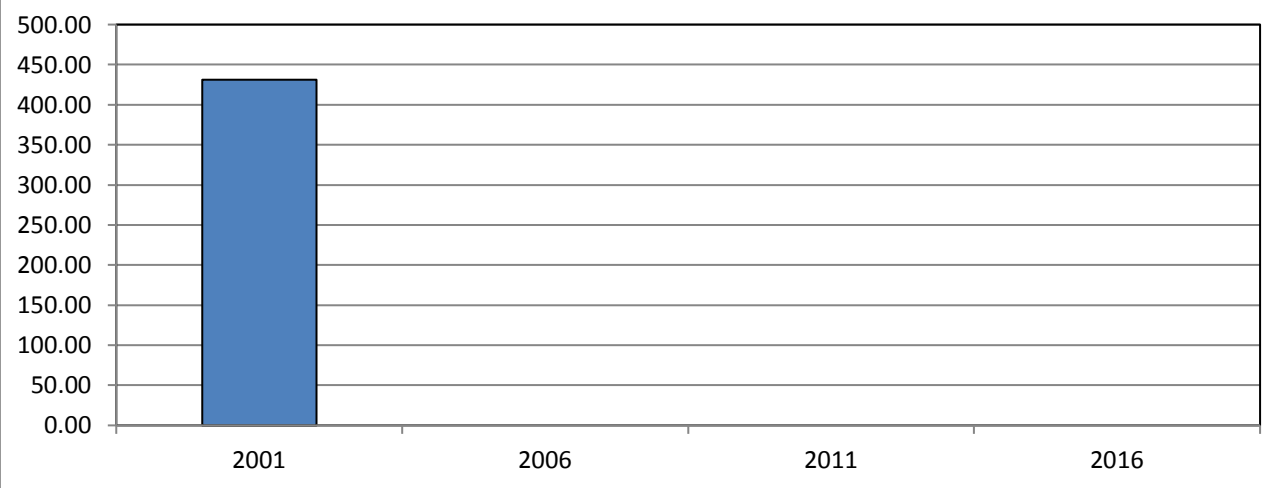
	Pounds TN 2016	Acreage
Roberts Bay watershed	291,564	41,893

The following basins contribute to the loading to the Roberts Bay watershed

	Pounds TN 2016	% of Watershed Load	Acreage	% of Roberts Bay watershed
Matheny Creek	851	0%	1,724	4%
Phillippi Creek	287,826	99%	35,408	85%
Roberts Bay	580	0%	1,179	3%
Roberts Bay Costal	656	0%	1,546	4%
Siesta Key Roberts Bay	1,652	1%	2,037	5%



Roberts Bay Basin Point Source TN Loading



Roberts Bay Basin Irrigation TN Loading

