

SIMPLE-Monthly Pollutant Loading Model Results - Blackburn Bay Basin TN

Section 1 TN Loading has increased by 101% from 2001-2016.
 Septic System input was the component that saw the greatest decrease in loading from 2001-2016 (-46%)

Section 2 Atmospheric Deposition is the greatest contributor to TN in the Blackburn Bay basin, contributing 99% of the total load.

Section 3 Blackburn Bay basin is not a major TN contributor to the Blackburn Bay watershed.

Section 1

Blackburn Bay

Pollutant Loading Trend
 Components of the Trend

Total Nitrogen

Increase	101%	2001 to 2016
No Change	0%	2001 to 2016
No Change	0%	2001 to 2016
Decrease	-46%	2001 to 2016
Cannot calculate	Cannot calculate	2001 to 2016
Cannot calculate	Cannot calculate	2001 to 2016
No Change	0%	2001 to 2016

Year	Total	Runoff	Baseflow	Septic	Point Source	Irrigation	Atmospheric
2001	224.13	0.01	0.00	12.06	0.00	0.00	444.80
2006	3381.19	0.01	0.00	6.56	0.00	0.00	3374.63
2011	477.70	0.01	0.00	6.56	0.00	0.00	471.13
2016	451.37	0.01	0.00	6.56	0.00	0.00	444.80

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.

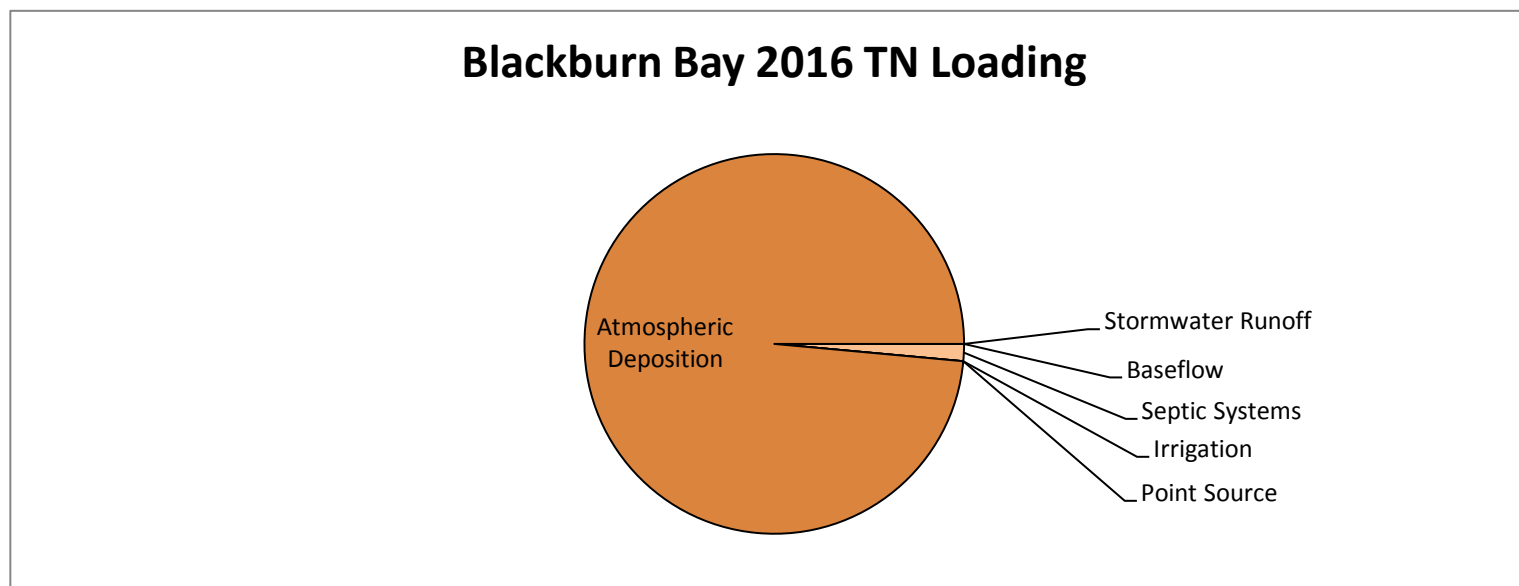
Section 2

Blackburn Bay

Total Nitrogen

2016 Pollutant loading is influenced by some sources more than others

Stormwater Runoff	0%
Baseflow	0%
Septic Systems	1%
Point Source	0%
Irrigation	0%
Atmospheric Deposition	99%



Section 3

Blackburn Bay

Total Nitrogen

2016 Pollutant loading to the Blackburn Bay watershed has multiple sources

Proportion of loading is **Low** when % load is compared to % acreage.
Casey Key Blackburn Bay acreage is 5% and % loading is 1%

The Blackburn Bay basin is a part of the Blackburn Bay watershed

	Pounds TN 2016	Acreage
Blackburn Bay	67,880	15,367

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

	Pounds TN 2016	% of Watershed Load	Acreage	% of Blackburn Bay watershed
Casey Key Blackburn Bay	77	0%	322	2%
Blackburn Bay	451	1%	693	5%
South Creek	65,943	97%	12,630	82%
Blackburn Bay Coastal	1,409	2%	1,721	11%

