

## SIMPLE-Monthly Pollutant Loading Model Results - Upper Myakka River TN

**Section 1** TN Loading decreased by 93% from 2001-2016.  
 Septic System input was the component that saw the greatest decrease in loading from 2001-2016 (-100%)

**Section 2** Stormwater Runoff is the greatest contributor to TN in the Upper Myakka River basin, contributing 61% of the total load.

**Section 3** The Upper Myakka River basin is not a major TN contributor to the Myakka River watershed.

### Section 1 Upper Myakka River

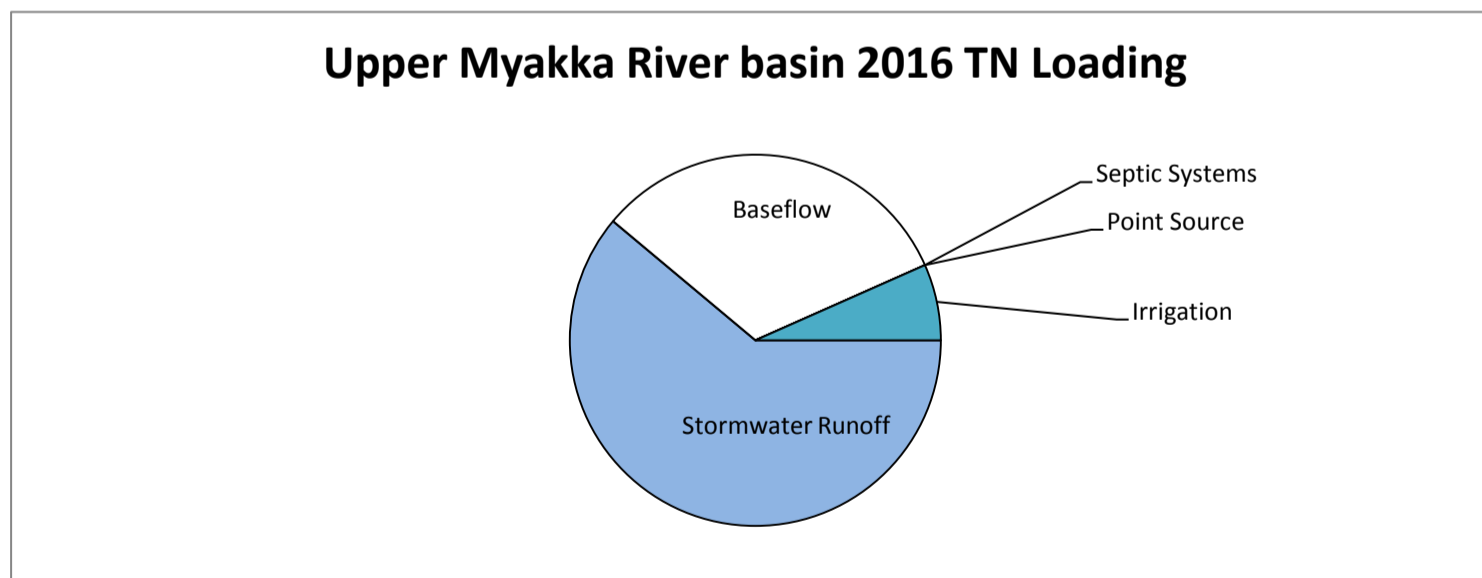
		Total Nitrogen		
Pollutant Loading Trend		Decrease	-93%	2001 to 2016
Components of the Trend				
	Stormwater Runoff	No change	0%	2001 to 2016
	Baseflow	No change	0%	2001 to 2016
	Septic Systems	Decrease	-100%	2001 to 2016
	Point Source	Cannot Calculate		2001 to 2016
	Irrigation	Decrease	-62%	2001 to 2016
	Atmospheric Deposition	Not Modeled		2001 to 2016

Year	Total	Runoff	Baseflow	Septic	Point Source	Irrigation	Atmospheric
2001	6980.94	316.49	167.25	1187.02	0.00	91.39	0.00
2006	11728.13	5867.58	3985.33	1190.47	0.00	684.76	0.00
2011	576.61	316.49	167.25	58.47	0.00	34.40	0.00
2016	518.13	316.49	167.25	0.00	0.00	34.40	0.00

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 Upper Myakka River

		Total Nitrogen
2016 Pollutant loading is influenced by some sources more than others		
	Stormwater Runoff	61%
	Baseflow	32%
	Septic Systems	0%
	Point Source	0%
	Irrigation	7%
	Atmospheric Deposition	Not Modeled



## Section 3

### Upper Myakka River

### Total Nitrogen

2016 Pollutant loading to the Myakka River Watershed has more than one source

Proportion of loading is **Low** when % load is compared to % acreage.  
Upper Myakka River acreage is 2% and % loading is 0%

Upper Myakka River basin is a part of the **Myakka River Watershed**

	Pounds TN 2016	Acreage
Myakka River Watershed	973,132	202,785

The following basins contribute to the loading to the Myakka River Watershed

	Pounds TN 2016	% of Watershed Load	Acreage	% of Myakka River Watershed
Myakka River	471,337	48%	95,170	47%
Myakka River II*	48	0%	1,334	1%
Upper Myakka River	518	0%	3,699	2%
Big Slough	489,530	50%	84,625	42%
Deer Prairie Slough	11,486	1%	16,189	8%
Little Salt Creek	213	0%	1,769	1%

\*The Myakka River was modeled as two separate sections due to computer limitations with the model.

