

SIMPLE-Monthly Pollutant Loading Model Results - Myakka II TN

- Section 1** TN Loading has not changed (0%) from 2001-2016
Irrigation 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 Myakka II basin, contributing 77% of the total load.
- Section 3** Myakka II basin is not a major TN contributor to the Myakka River watershed.

Section 1 Myakka II

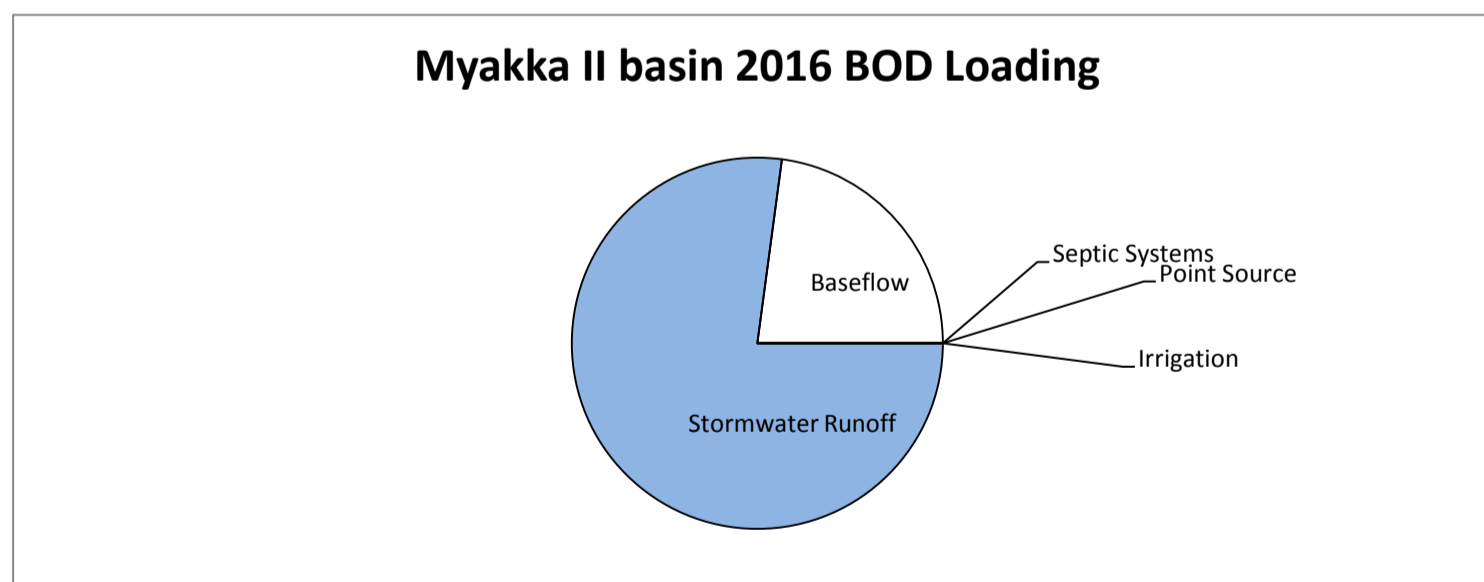
		Total Nitrogen		
Pollutant Loading Trend		No Change	0%	2001 to 2016
Components of the Trend				
	Stormwater Runoff	No Change	0%	2001 to 2016
	Baseflow	No Change	0%	2001 to 2016
	Septic Systems			2001 to 2016
	Point Source	No Change	0%	2001 to 2016
	Irrigation	Decrease	-100%	2001 to 2016
	Atmospheric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

Year	Total	Runoff	Baseflow	Septic	Point Source	Irrigation	Atmospheric
2001	48.25	37.21	11.04	0.00	1.53	26.65	0.00
2006	1355.88	1041.42	314.46	0.00	0.00	0.00	0.00
2011	48.25	37.21	11.04	0.00	0.00	0.00	0.00
2016	48.25	37.21	11.04	0.00	0.00	0.00	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 Myakka II

		Total Nitrogen	
2016 Pollutant loading is influenced by some sources more than others			
	Stormwater Runoff	77%	
	Baseflow	23%	
	Septic Systems	0%	
	Point Source	0%	
	Irrigation	0%	
	Atmospheric Deposition	Not Modeled	



Section 3

Myakka II

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.
Myakka II acreage is 1% and % loading is 0%

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

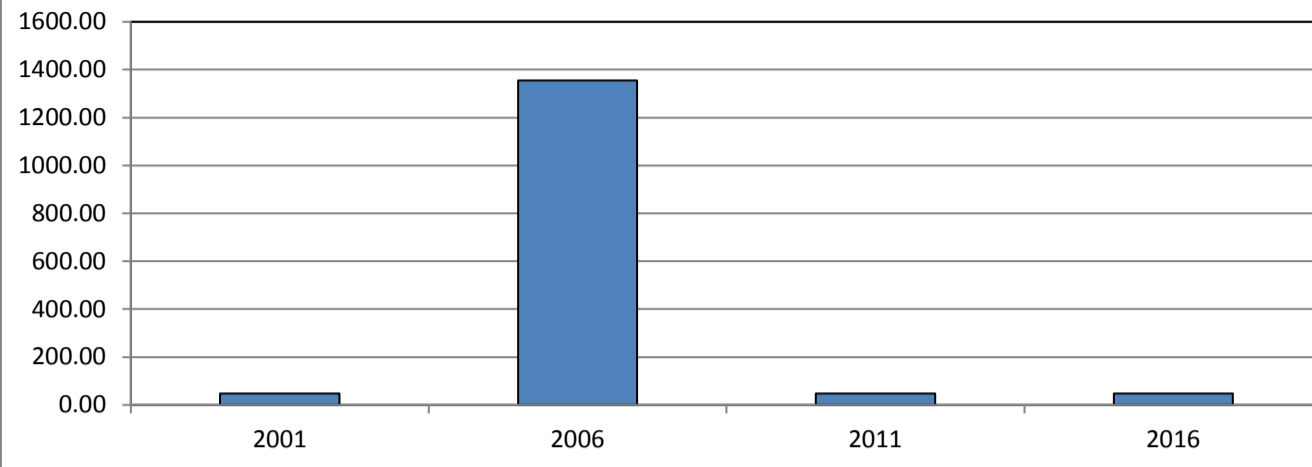
	Pounds TN 2016	Acreage
Myakka River Watershed	973,132	202,785

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

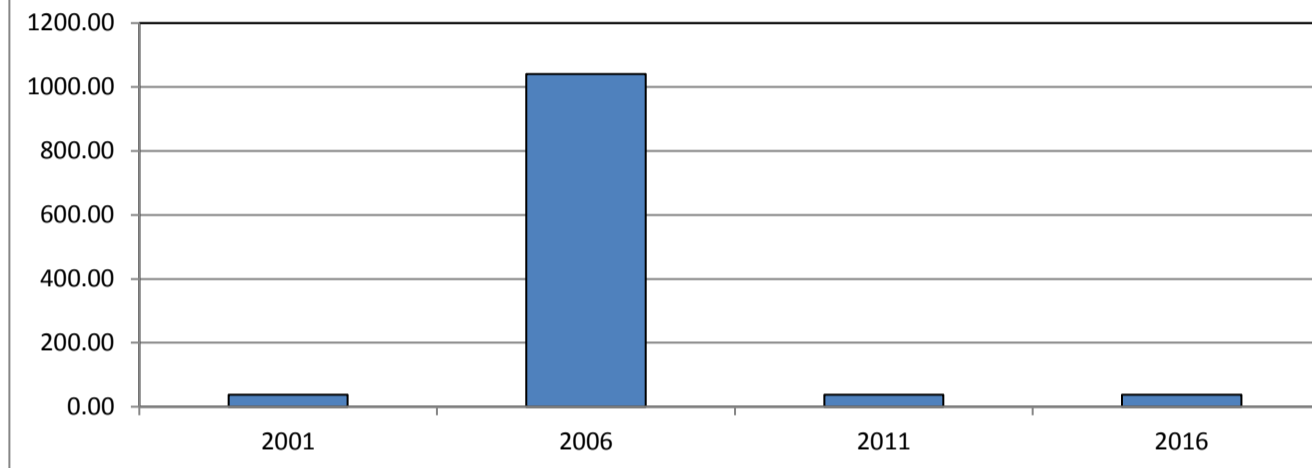
	Pounds TN 2016	% of Watershed Load	Acreage	% of Myakka River Watershed
Myakka River	471,337	48%	95,170	47%
Myakka River II*	48	0%	1,334	1%
Upper Myakka River	518	0%	3,699	2%
Big Slough	489,530	50%	84,625	42%
Deer Prairie Slough	11,486	1%	16,189	8%
Little Salt Creek	213	0%	1,769	1%

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

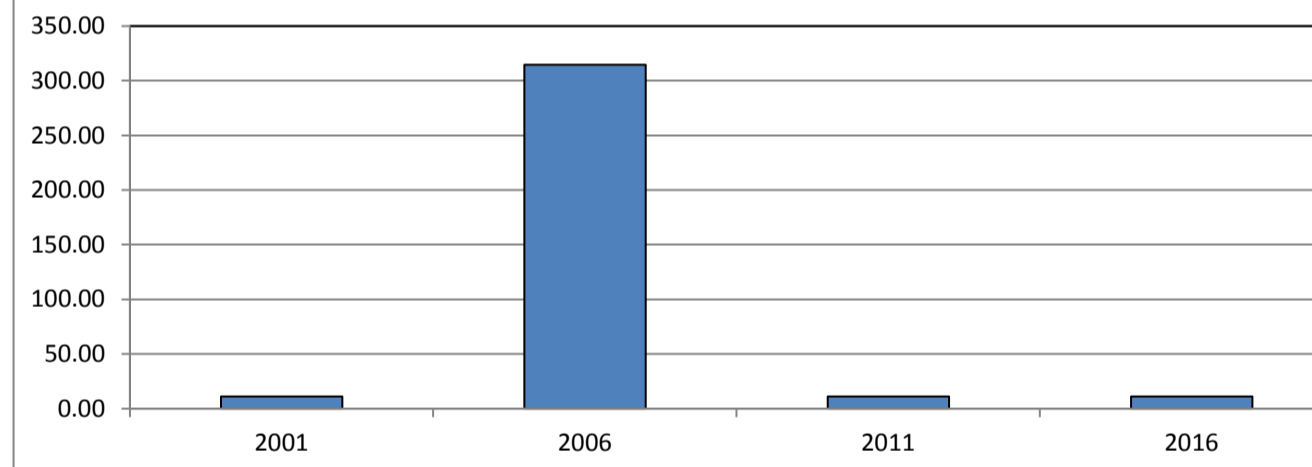
Myakka II Total TN Loading



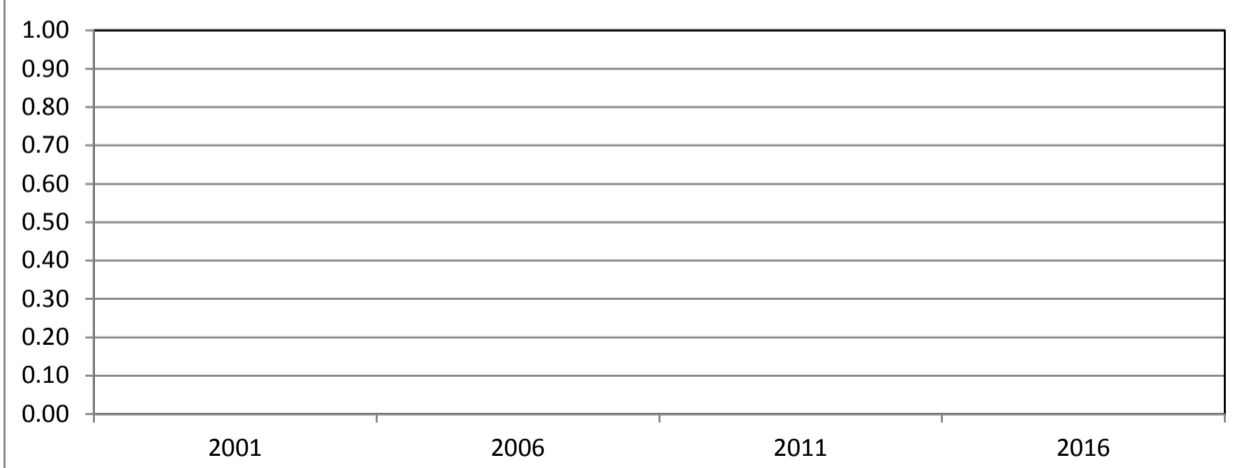
Myakka II Runoff TN Loading



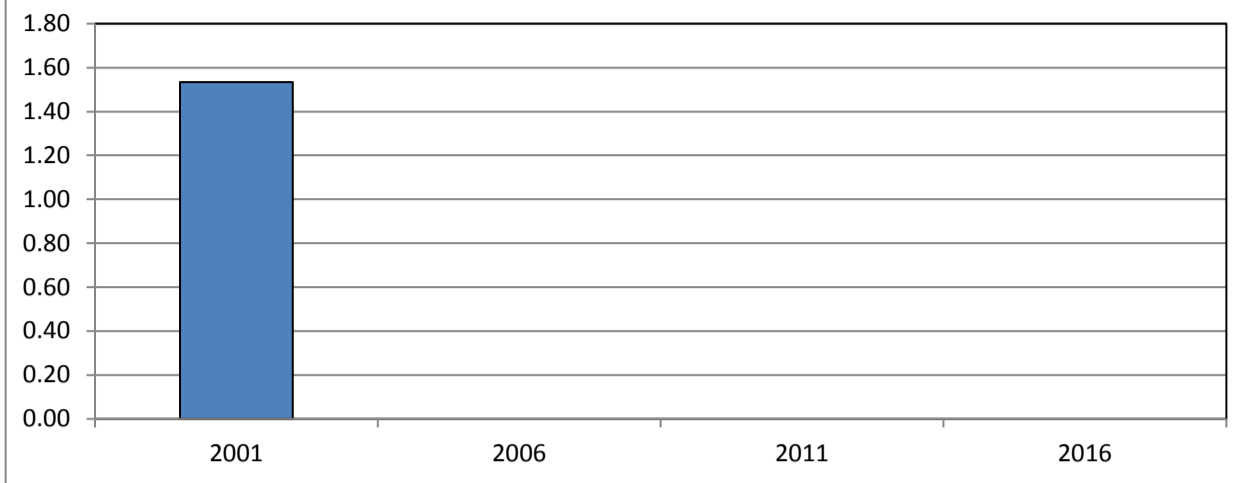
Myakka II Baseflow TN Loading



Myakka II Septic TN Loading



Myakka II Point Source TN Loading



Myakka II Irrigation TN Loading

