

NITROGEN SOURCE INVENTORY + LOADING TOOL

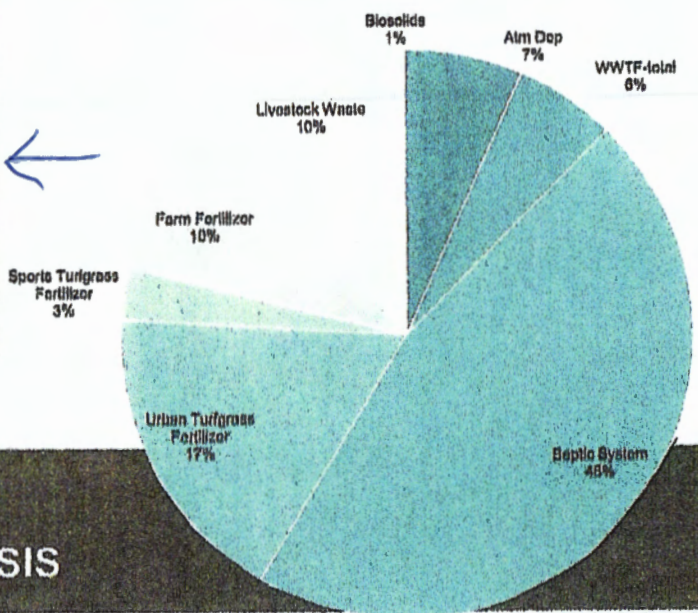


DRAFT NSILT LOADING RESULTS

WEEKI WACHEE

Weeki Wachee Spring Group	
Source	Annual Loading (lb-N/year)
Atmospheric Deposition	93,069
Wastewater Treatment Facilities	79,729
OSTDS	641,621
Urban Turfgrass Fertilizer	240,059
Sports Turfgrass Fertilizer	41,825
Farm Fertilizer	139,819
Livestock Waste	139,175
Biosolids	12,878
Total	1,388,175

Weeki Wachee Spring Group (2023)



BMAP UPDATES

SPRING VENT LOAD ANALYSIS

BMAP	Draft Nitrate Loads (lb-N/yr)			
	Total Load at Spring Vent	TMDL Load	Required Reduction	Percent Required Reduction
Crystal River / Kings Bay ¹	453,400	259,009	194,392	43%
Homosassa Spring Group ¹	271,301	94,924	176,376	65%
Chassahowitzka Spring Group ¹	207,128	82,543	124,585	60%
Weeki Wachee Spring Group²	308,909	95,265	213,644	69%

Upper 95% confidence interval - nitrate data from 2012 to 2022.
¹ TMDL target is 0.23 mg/L
² TMDL target is 0.28 mg/L