

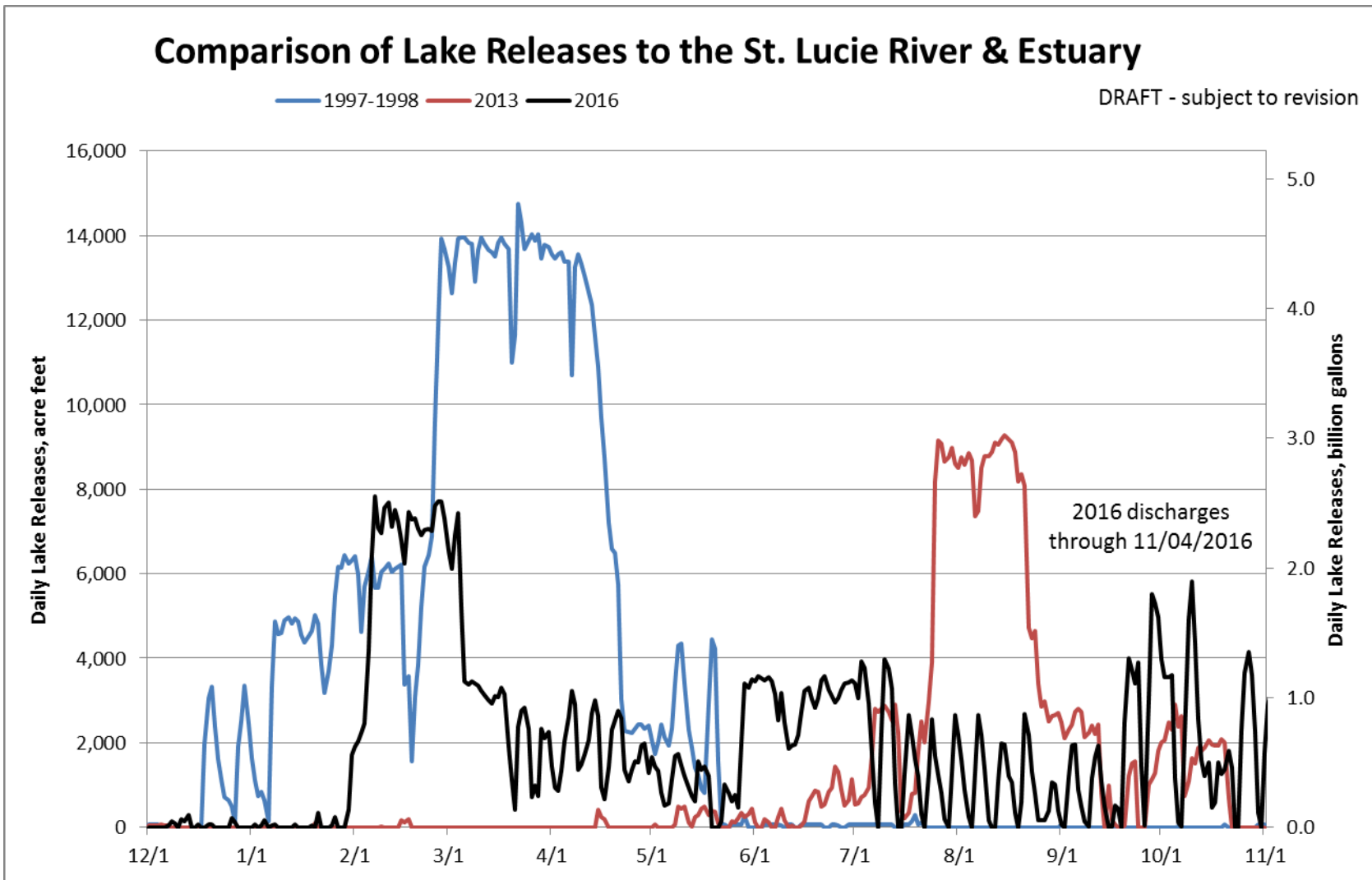
Draft – 2 25 2016 Update – G. Goforth

Lake Okeechobee Flows and Loads to the St. Lucie River and Estuary

Time Period	Duration, days	Flow, acre feet	Average Flow, AF/day	Flow, Billion Gallons	Maximum Daily Flow, cfs	Total Phosphorus Load, pounds	Total Nitrogen Load, pounds	Total Suspended Solids, pounds	% of C-44 TP TMDL	% of C-44 TN TMDL	TP Conc, ppb	TN Conc, ppb	TSS Conc, ppb
Lake Releases													
1997-1998	163	1,066,525	6,543	347.5	7,436	528,974	5,940,450	100,343,225	1936%	2445%	182	2,048	34,598
2012-2013	167	418,553	2,506	136.4	4,680	157,057	1,470,990	19,461,405	575%	606%	138	1,292	17,098
2016	280	674,145	2,408	219.7	3,950	296,071	2,754,178	54,063,349	1083%	1134%	162	1,502	29,490
C-44 Basin Runoff													
1997-1998	163	168,889	1,036	55.0	2,826	61,910	506,731	509,634	227%	209%	135	1,103	1,110
2012-2013	167	249,992	1,497	81.5	126,038	238,486	1,200,523	405,526	873%	494%	351	1,766	597
2016	280	163,230	583	53.2	2,735	137,314	724,297	485,283	502%	298%	309	1,632	1,093
Note: a load or concentration of 0 indicates all the load through S-80 is attributable to Lake Okeechobee Releases													
Combined discharges (Lake + C-44 Basin runoff)													
1997-1998	163	1,235,414	7,579	403	7,810	590,884	6,447,181	100,852,858	2162%	2654%	176	1,919	30,020
2012-2013	167	668,544	4,003	218	5,869	395,544	2,671,513	19,866,931	1447%	1100%	218	1,469	10,928
2016	280	837,374	2,991	273	4,676	433,385	3,478,475	54,548,633	1586%	1432%	190	1,528	23,955

Lake Okeechobee Flows and Loads to Both Estuaries

Time Period	Duration, days	Flow, acre feet	Average Flow, AF/day	Flow, Billion Gallons	Maximum Daily Flow, cfs	Total Phosphorus Load, pounds	Total Nitrogen Load, pounds	Total Suspended Solids, pounds	TP Conc, ppb	TN Conc, ppb	TSS Conc, ppb
Lake Releases to St. Lucie River and Estuary											
1997-1998	163	1,066,525	6,543	347.5	7,436	528,974	5,940,450	100,343,225	182	2,048	34,598
2012-2013	167	418,553	2,506	136.4	4,680	157,057	1,470,990	19,461,405	138	1,292	17,098
2016	280	674,145	2,408	219.7	3,950	296,071	2,754,178	54,063,349	162	1,502	29,490
Lake Releases to Caloosahatchee River											
1997-1998	155	1,557,078	10,046	507.4	8,788	288,633	6,568,760	8,316,313	68	1,551	1,964
2012-2013	398	1,366,561	3,434	445.3	7,151	294,420	5,136,800	21,610,934	79	1,382	5,815
2015-2016	379	1,588,693	4,192	517.7	6,520	406,328	6,293,738	30,223,906	94	1,457	6,996
Combined discharges											
1997-1998	163	2,623,603	16,096	854.9	15,816	817,607	12,509,210	108,659,537	115	1,753	15,230
2012-2013	398	1,785,114	4,485	581.7	11,621	451,478	6,607,790	41,072,339	93	1,361	8,461
2015-2016	379	2,262,837	5,971	737.3	10,110	702,398	9,047,916	84,287,255	114	1,470	13,697



Comparison of Combined Releases to the St. Lucie River & Estuary Through S-80 (Lake releases + basin runoff)

DRAFT - subject to revision

