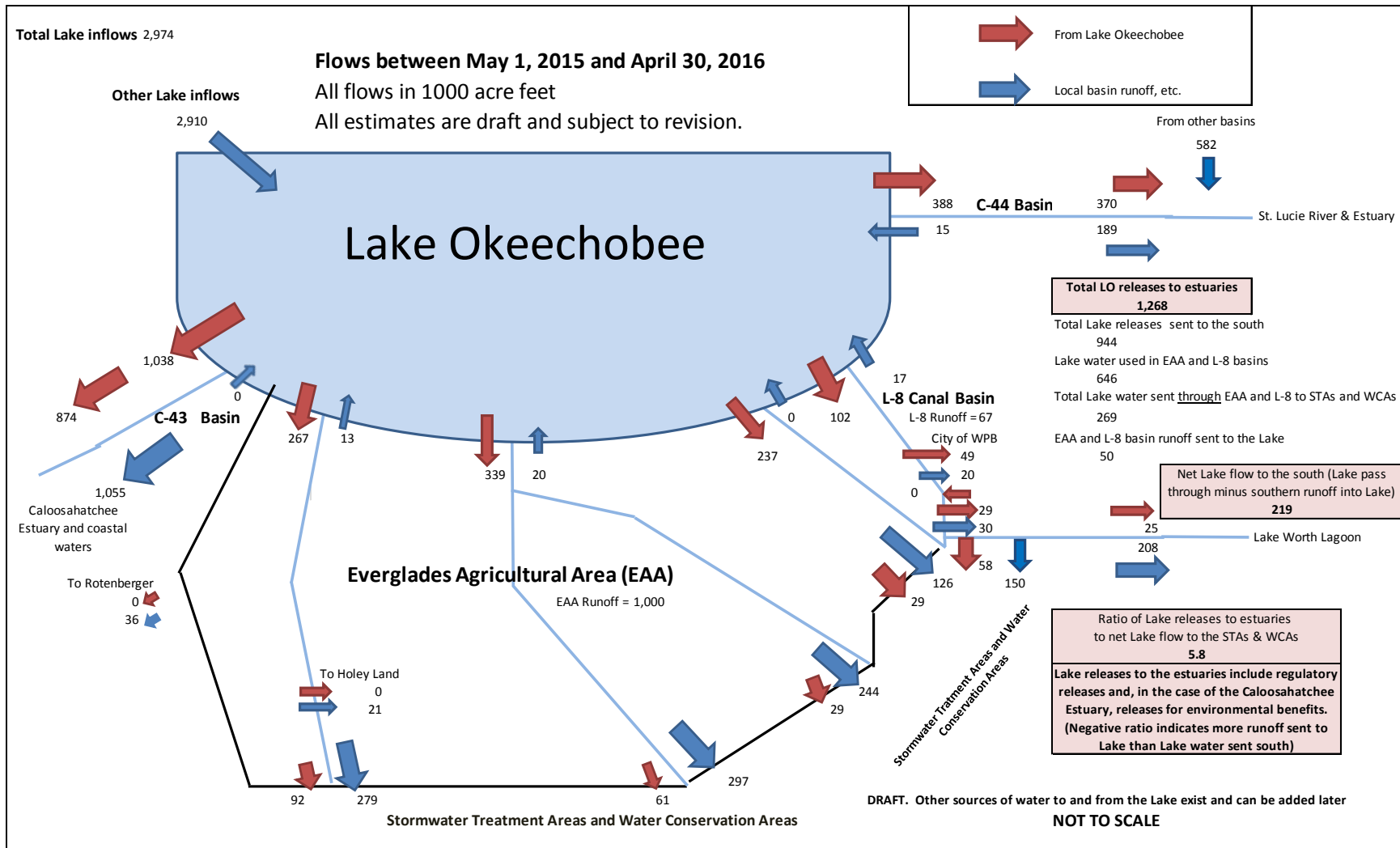


DRAFT – WY2016 SUMMARY – G. Goforth – 5 25 2016



DRAFT – WY2016 SUMMARY – G. Goforth – 5 25 2016

Begin	May 1, 2015
End	April 30, 2016
Duration (days)	366

Data and calculations are DRAFT and subject to revision.

Hydrologic Unit	This period				1 year earlier				Difference with 1 year ago			
	Total To Lake, AF	From Lake, AF	Total Runoff and Other, AF	Lake inflow as % of total	Total To Lake, AF	From Lake, AF	Total Runoff and Other, AF	Lake inflow as % of total	Total To Lake, AF	From Lake, AF	Total Runoff and Other, AF	% Change in Flows from Lake
Miami Canal	13,275	267,446	242,933	52%	69	302,922	176,448	63%	13,207	-35,475	66,485	-12%
NNR/Hillsboro Canal	19,607	338,688	553,794	38%	673	479,651	341,798	58%	18,934	-140,963	211,996	-29%
WPB Canal	0	236,549	146,416	62%	0	262,386	131,352	67%	0	-25,837	15,064	-10%
L-8 Canal	17,123	101,749	66,662	60%	54,536	140,295	78,307	64%	-37,413	-38,547	-11,645	-27%
STA-1E	N/A	58,173	149,779	28%	N/A	53,985	66,109	45%	N/A	4,188	83,669	8%
STA-1W	N/A	28,972	125,855	19%	N/A	60,087	80,000	43%	N/A	-31,115	45,854	-52%
STA-2	N/A	69,544	359,113	16%	N/A	232,832	302,288	44%	N/A	-163,287	56,825	-70%
STA-3/4 & EAA A-1 FEB	N/A	112,604	461,349	20%	N/A	227,519	274,851	45%	N/A	-114,914	186,499	-51%
STA-5/6	N/A	0	148,196	TBD	N/A	850	82,319	TBD	N/A	-850	65,877	
Holey Land WMA	N/A	0	20,713	0%	N/A	0	36,888	0%	N/A	0	-16,175	
Rotenberger WMA (Note 1)	N/A	0	36,407	0%	N/A	1	29,563	0%	N/A	-1	6,845	
WCA-1 (diversion)	N/A	2	1	60%	N/A	0	84	0%	N/A	2	-82	
WCA-2A (diversion)	N/A	0	0		N/A	0	6	0%	N/A	0	-6	
WCA-3A (diversion)	N/A	0	0		N/A	6,871	0	100%	N/A	-6,871	0	-100%
Lake Worth Lagoon	N/A	24,522	207,703	11%	N/A	97,578	282,796	26%	N/A	-73,056	-75,093	-75%
City of WPB	N/A	48,779	19,624	71%	N/A	46,922	16,835	74%	N/A	1,856	2,790	4%
C-51W	N/A	29,418	TBD	TBD	N/A	120,022	TBD	TBD	N/A	-90,604	TBD	-75%
Other basins to Lake	2,924,075				2,781,061				143,014			5%
Total to Lake	2,974,080				2,836,338				137,742			5%
Total to STAs		269,293	1,244,291	18%		575,272	805,567	42%		-305,978	438,724	-53%
Total to WMAs		0	57,121	0%		1	66,451	0%		-1	-9,330	
Total diverted to WCAs		2	1	57%		6,871	89	99%		-6,870	-88	-100%
Total to WCAs		269,295	1,301,413	17%		582,144	872,107	40%		-312,849	429,306	-54%
Total from Lake to EAA & L-8		944,432				1,185,254				-240,822		-20%
Total EAA runoff and other			1,009,805				727,904				281,901	

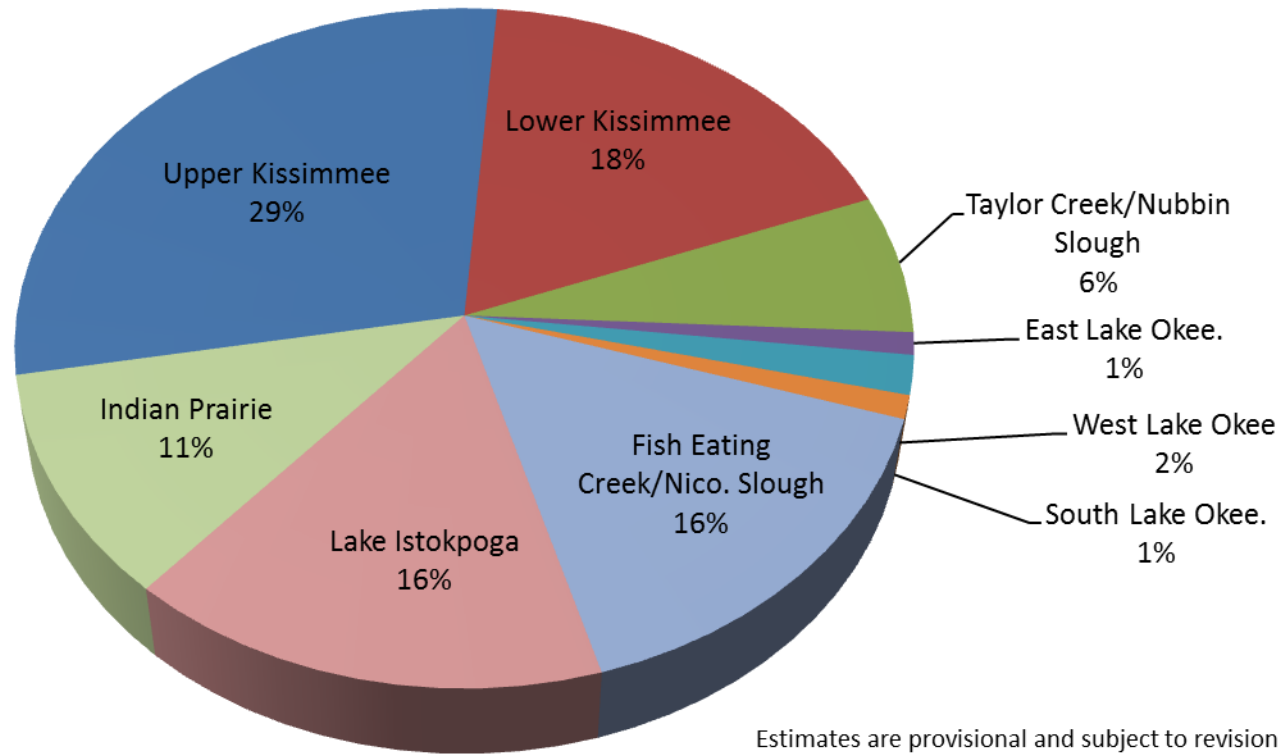
Note 1. Inflow to Rotenberger consists primarily of treated discharges from the STAs - not stormwater runoff.

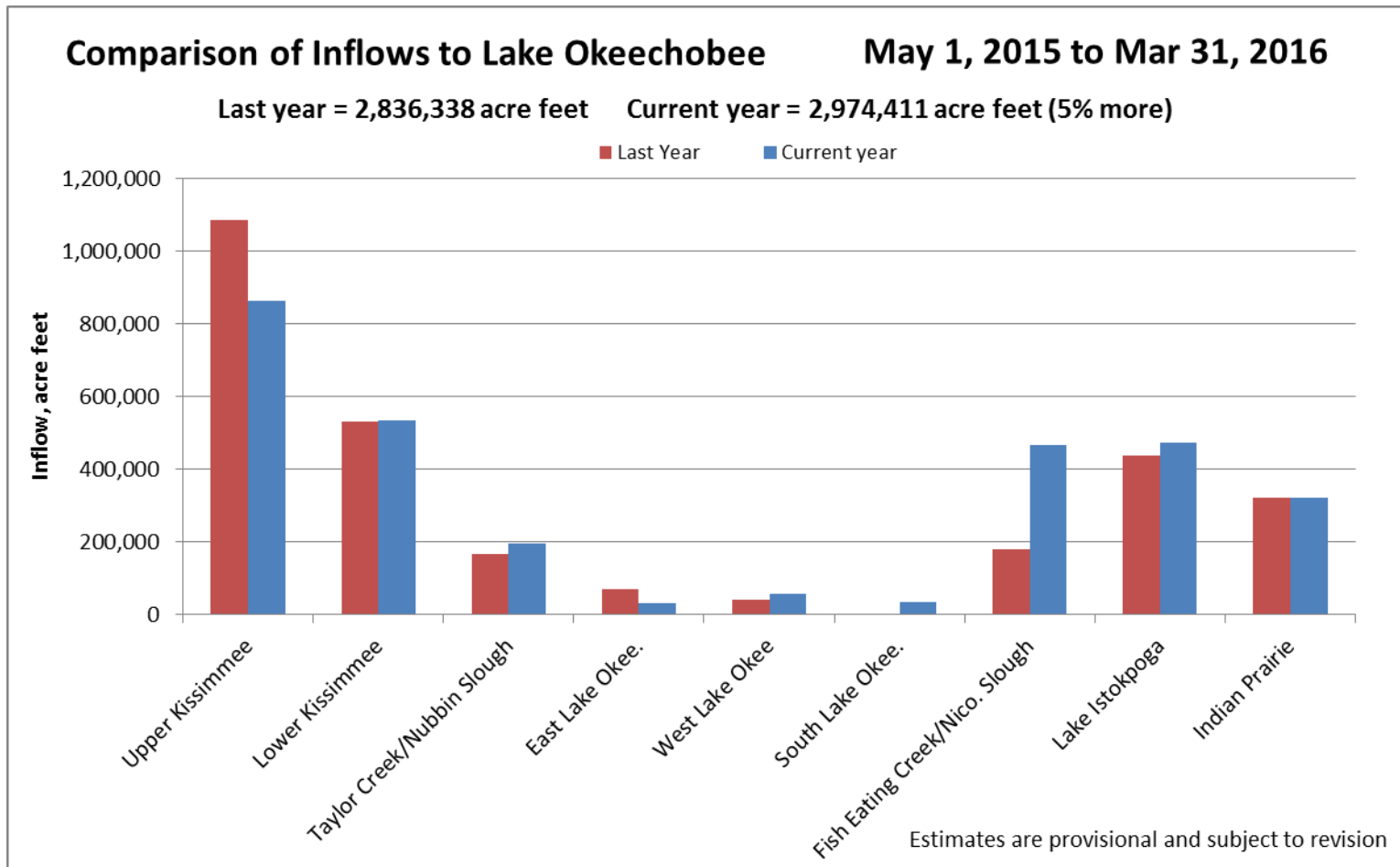
Percent of STA inflow	18%	82%	42%	58%
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Parameter	This period		1 year earlier		Difference	
	Flow, AF	Flow, AF	Flow, AF	Flow, AF	Flow, AF	Flow, %
C-44 Basin to Lake	14,546	16,912	-2,366	-14%		
C-44 Basin to SLRE	188,565	108,080	80,485	74%		
Lake to C-44	388,297	129,225	259,072	200%		
Lake to SLRE	369,839	80,249	289,590	361%		
C-43 to Lake	0	0	0			
C-43 to CE	1,055,021	731,895	323,126	44%		
Lake to C-43	1,038,094	578,453	459,641	79%		
Lake to CE	874,100	509,220	364,880	72%		
Lake to both estuaries	1,243,939	589,468	654,470	111%		
Other basins to SLRE	581,973	428,304	153,669	36%		

Surface Inflows to Lake Okeechobee May 1, 2015 to Apr 30, 2016

Total inflow = 2,974,411 acre feet

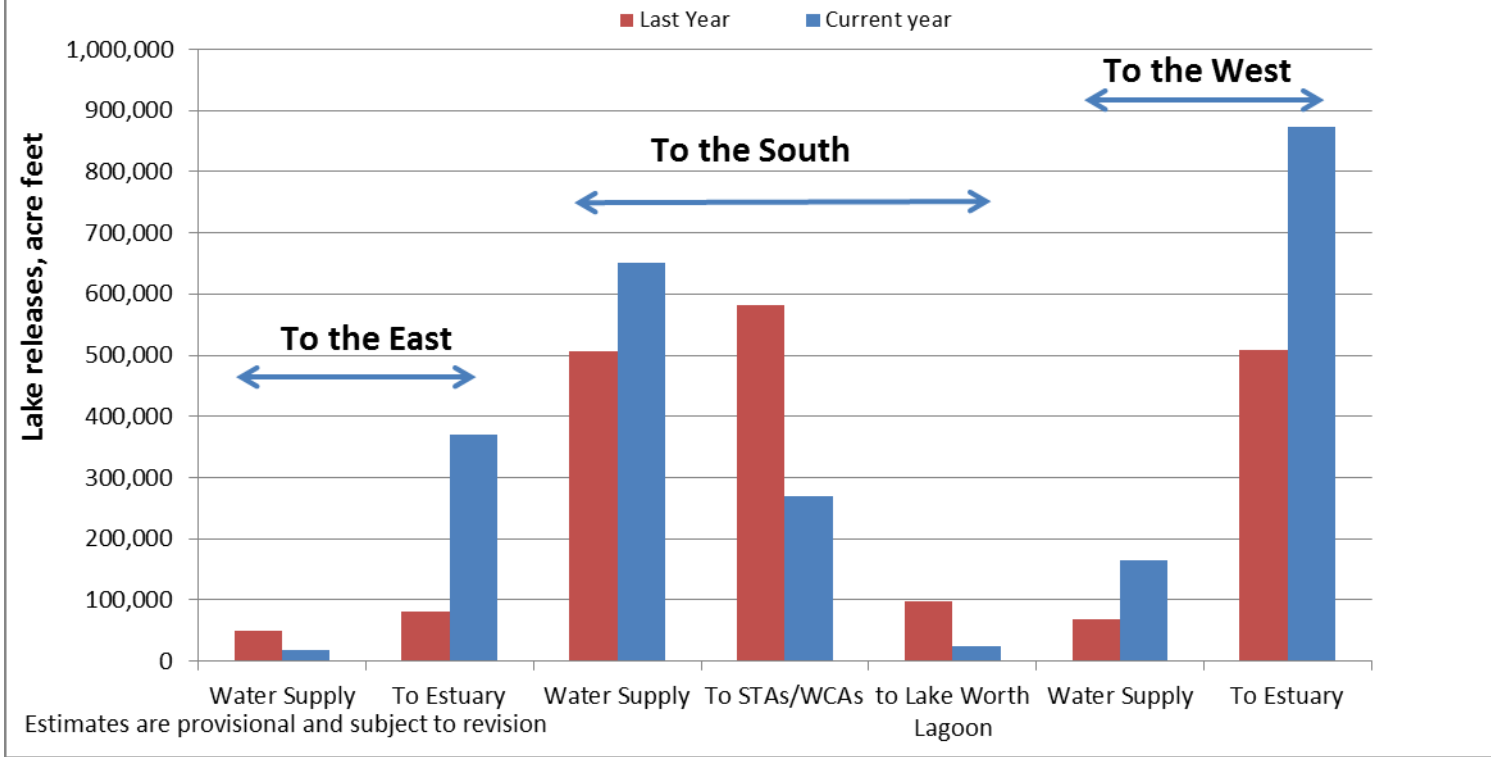




Comparison of Lake Okeechobee Releases

May 1, 2015 to Apr 30, 2016 (acre feet)

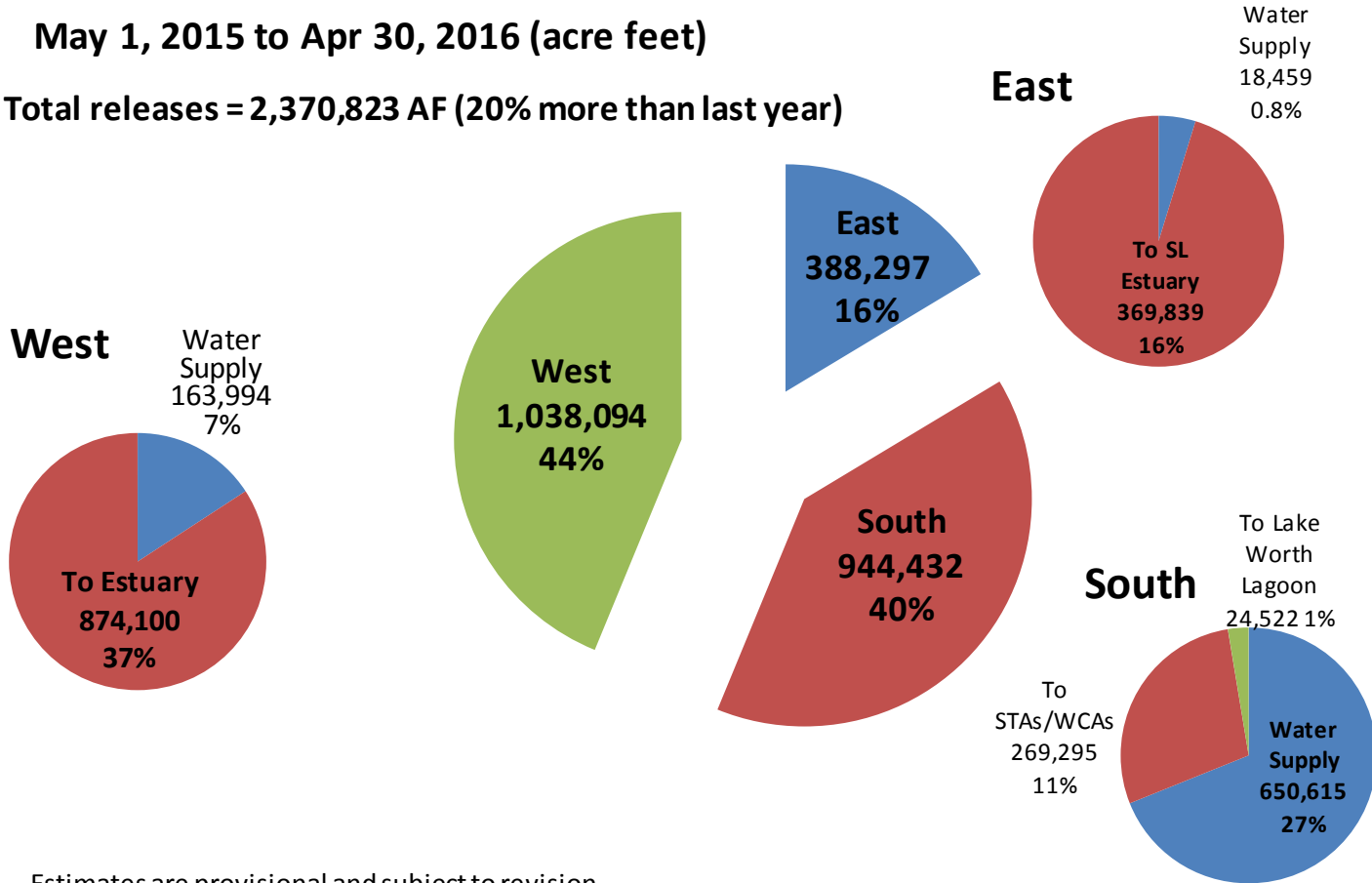
Last year = 1,892,932 acre feet Current year = 2,370,823 acre feet (20% more)



Distribution of Lake Okeechobee Releases

May 1, 2015 to Apr 30, 2016 (acre feet)

Total releases = 2,370,823 AF (20% more than last year)

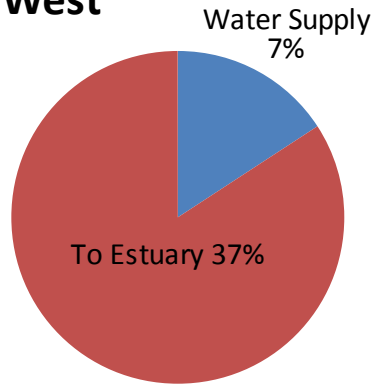


Estimates are provisional and subject to revision

Distribution of Lake Okeechobee Releases

May 1, 2015 to Apr 30, 2016

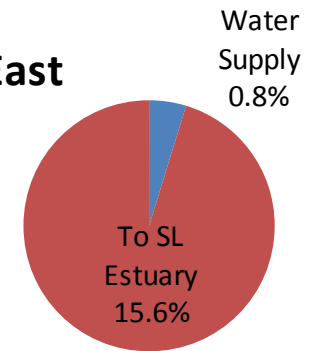
West



West 44%

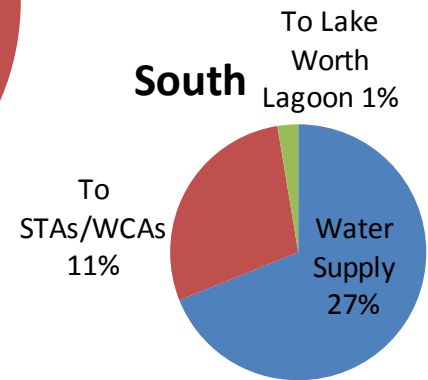
East 16%

East

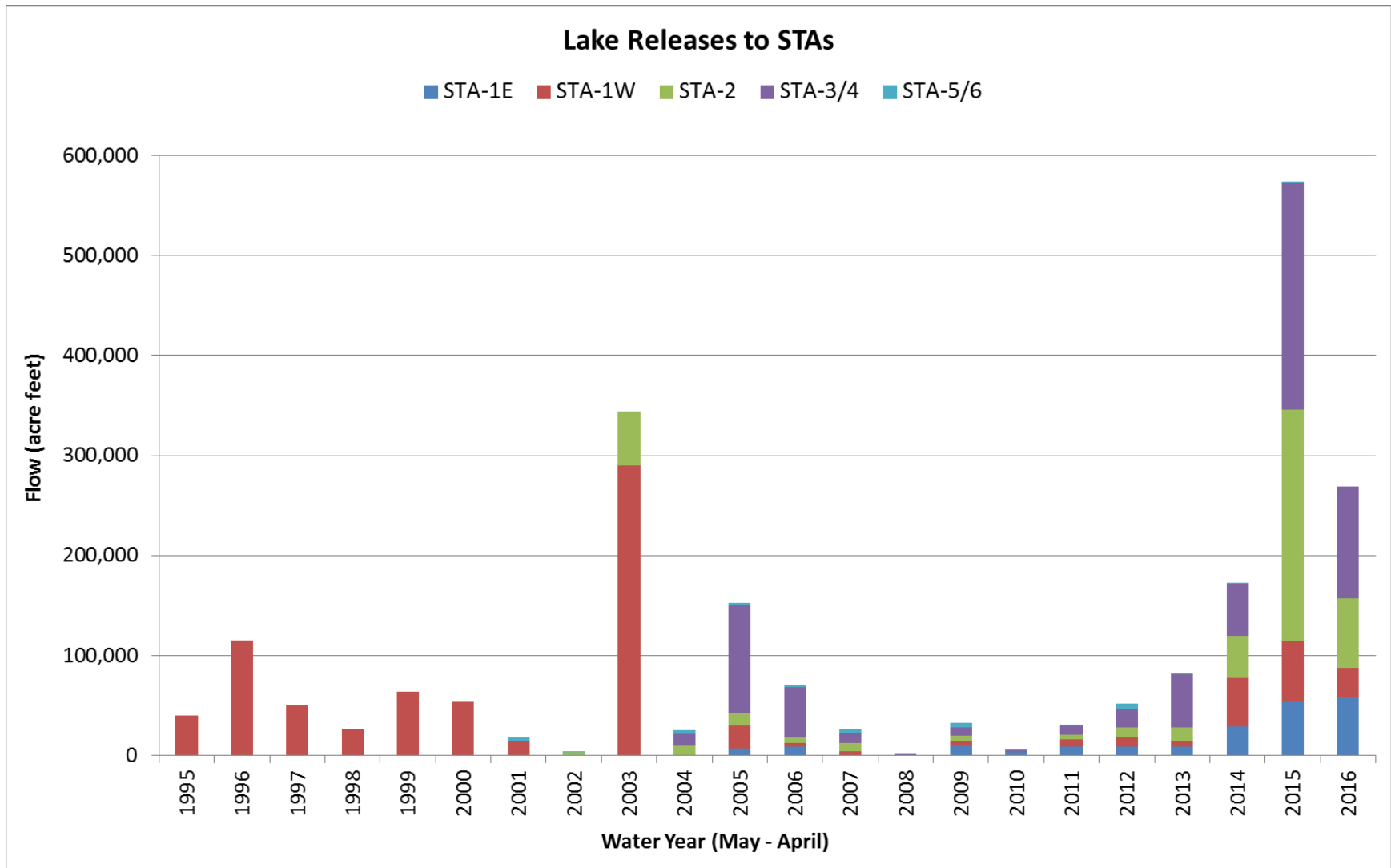


South 40%

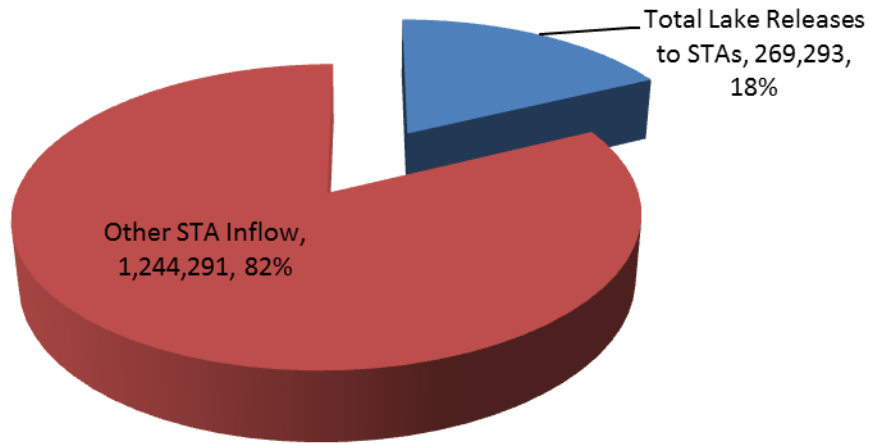
South



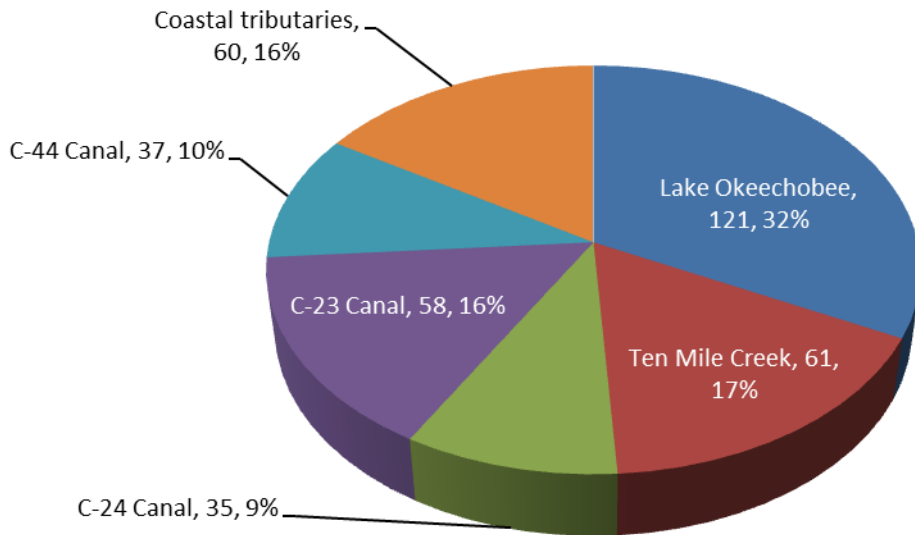
Estimates are provisional and subject to revision



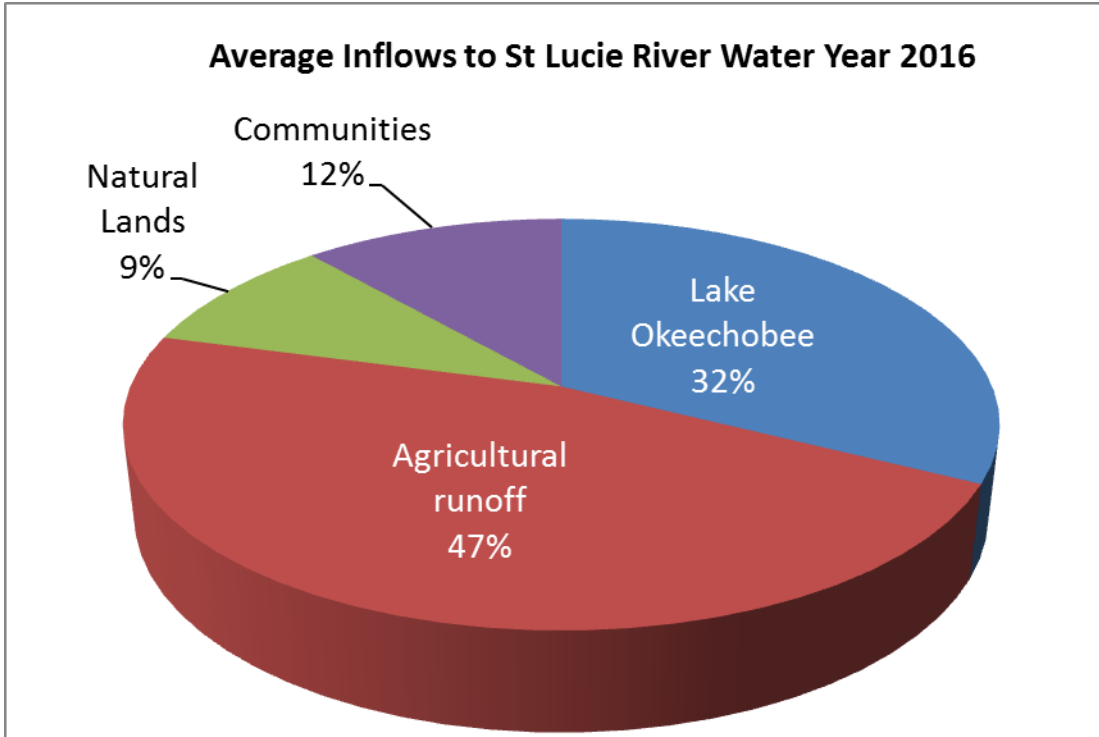
WY2016 Inflows to the STAs (acre feet)



Flows to St. Lucie River & Estuary Water Year 2016

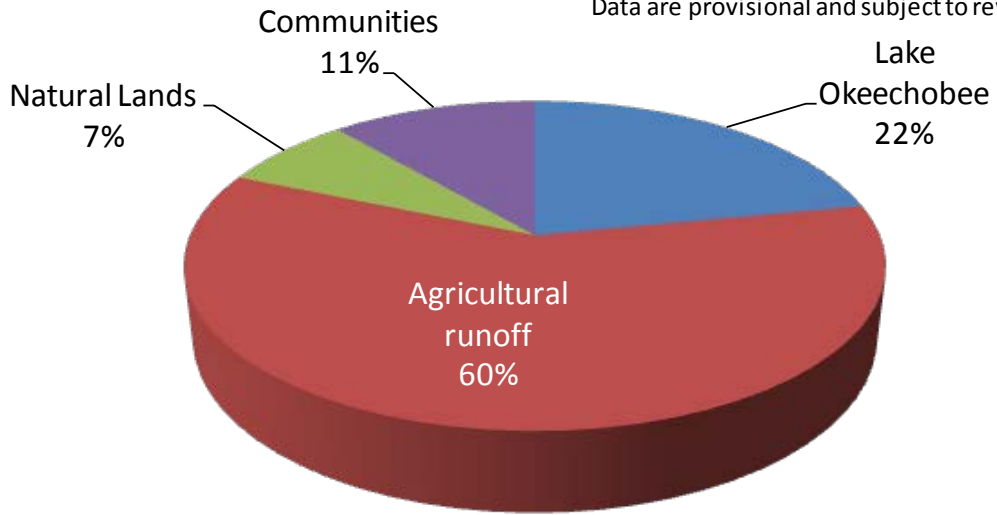


Flows in billion gallons; Coastal tributary flows estimated from SFWMD Protection Plan
Data are provisional and subject to revision



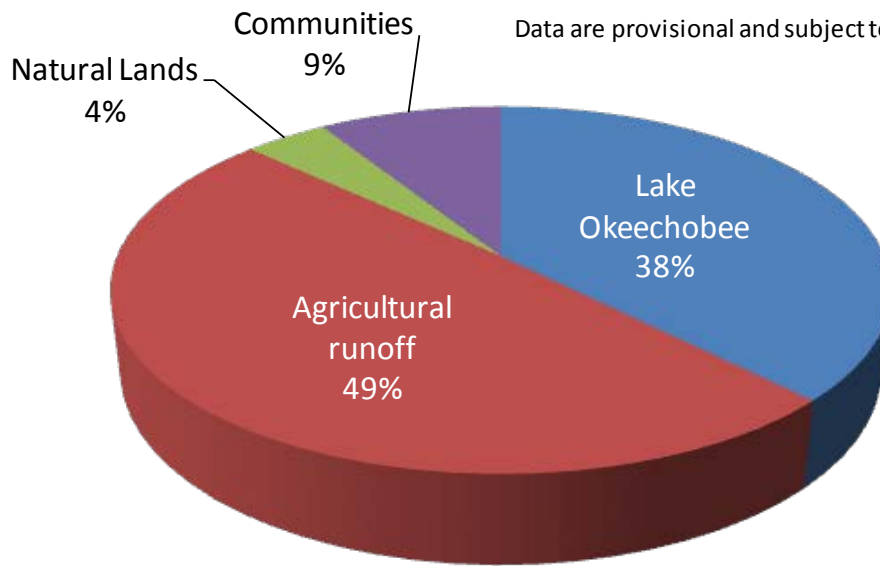
Phosphorus Loads to St Lucie River Water Year 2016

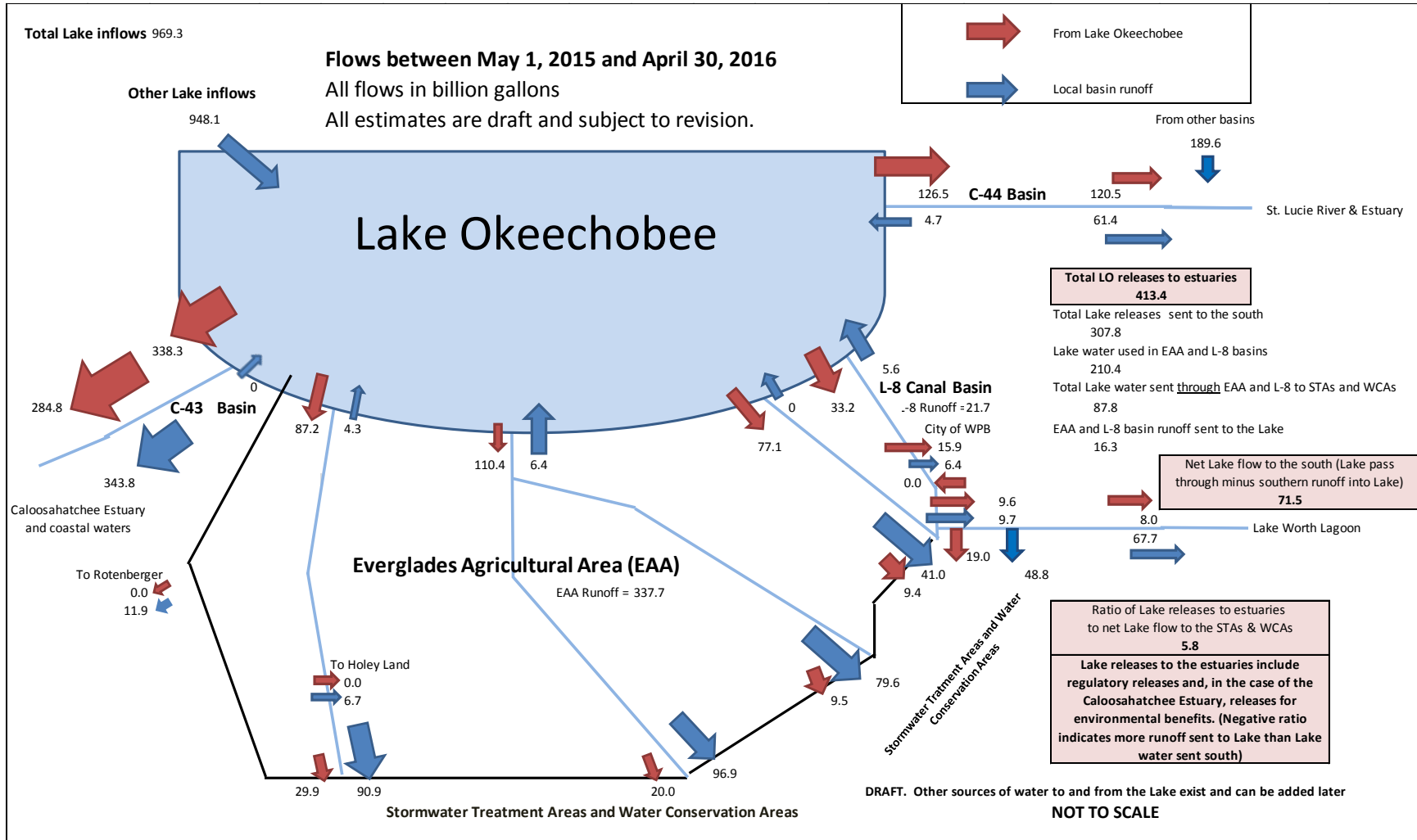
Data are provisional and subject to revision



Nitrogen Loads to St Lucie River Water Year 2016

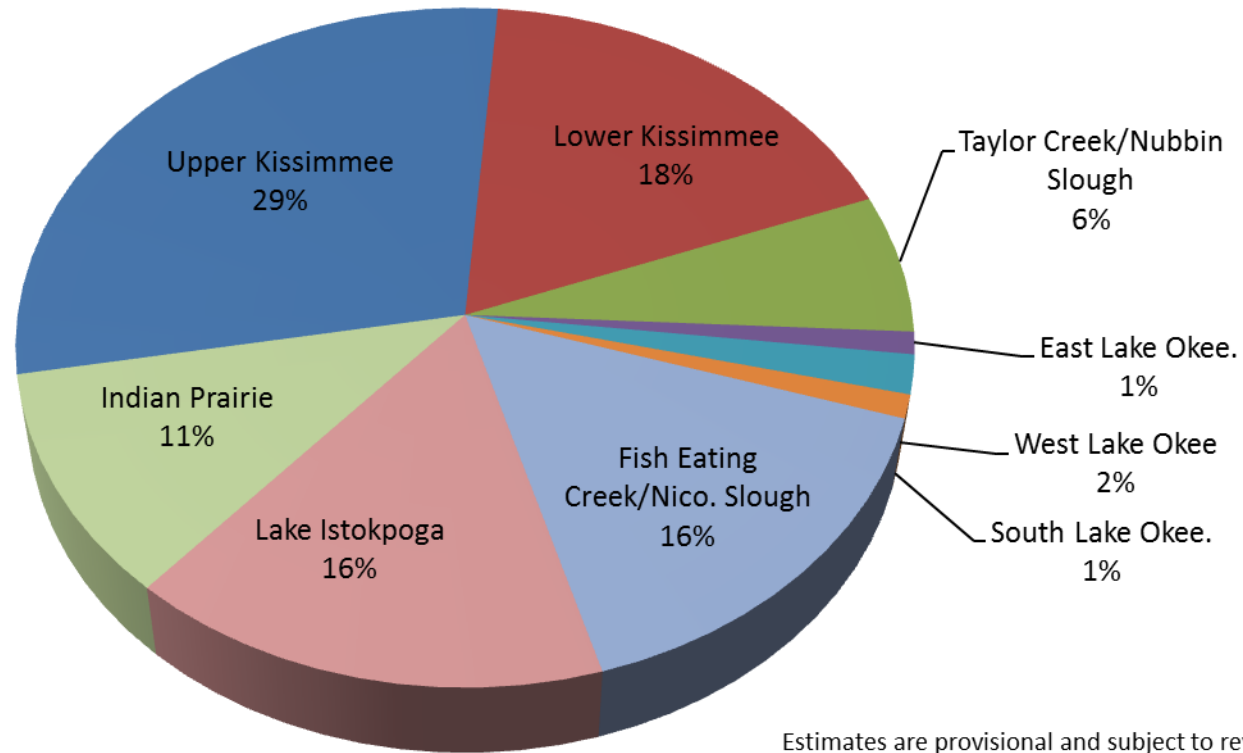
Data are provisional and subject to revision



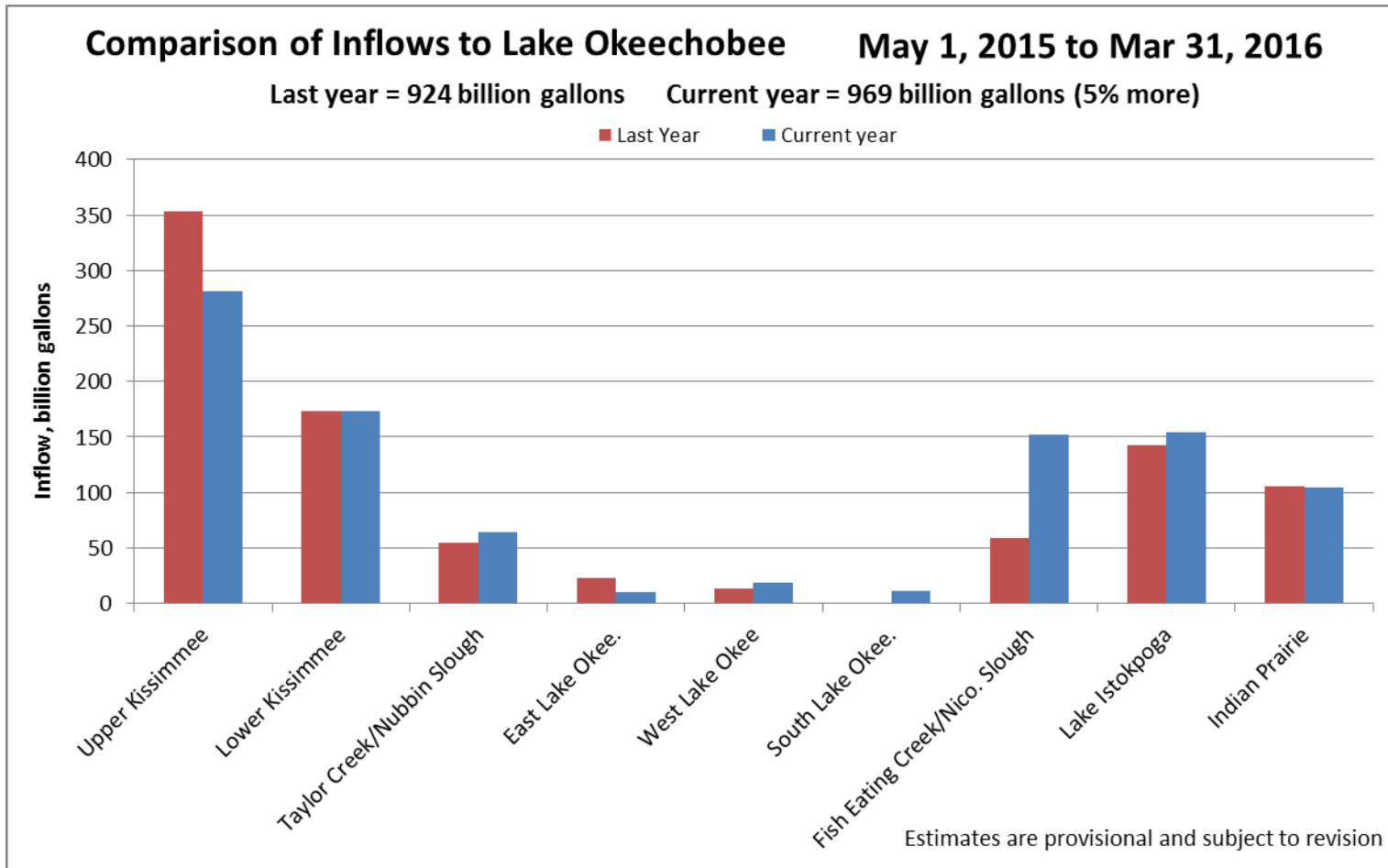


Surface Inflows to Lake Okeechobee May 1, 2015 to Apr 30, 2016

Total inflow = 969 billion gallons



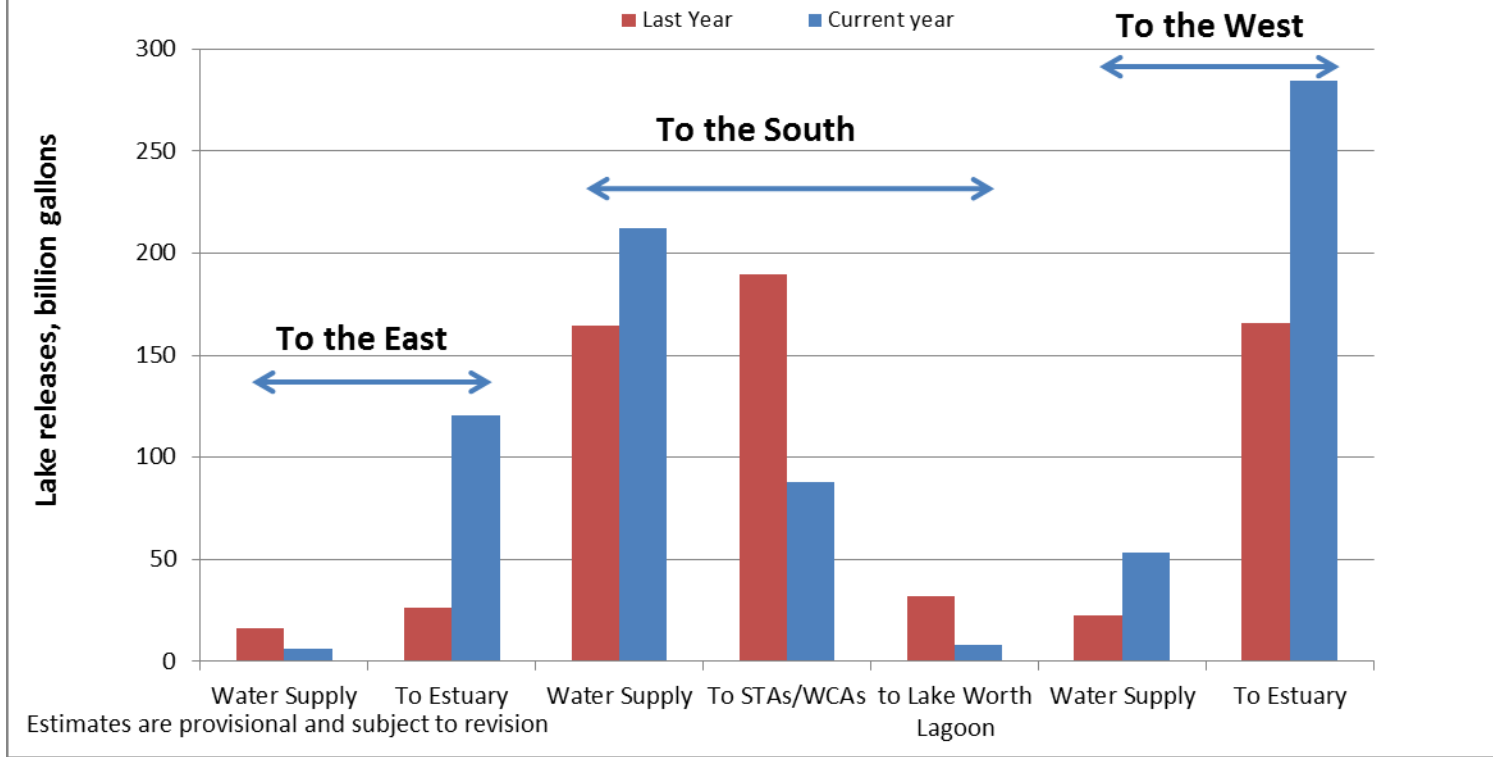
Estimates are provisional and subject to revision



Comparison of Lake Okeechobee Releases

May 1, 2015 to Apr 30, 2016 (billion gallons)

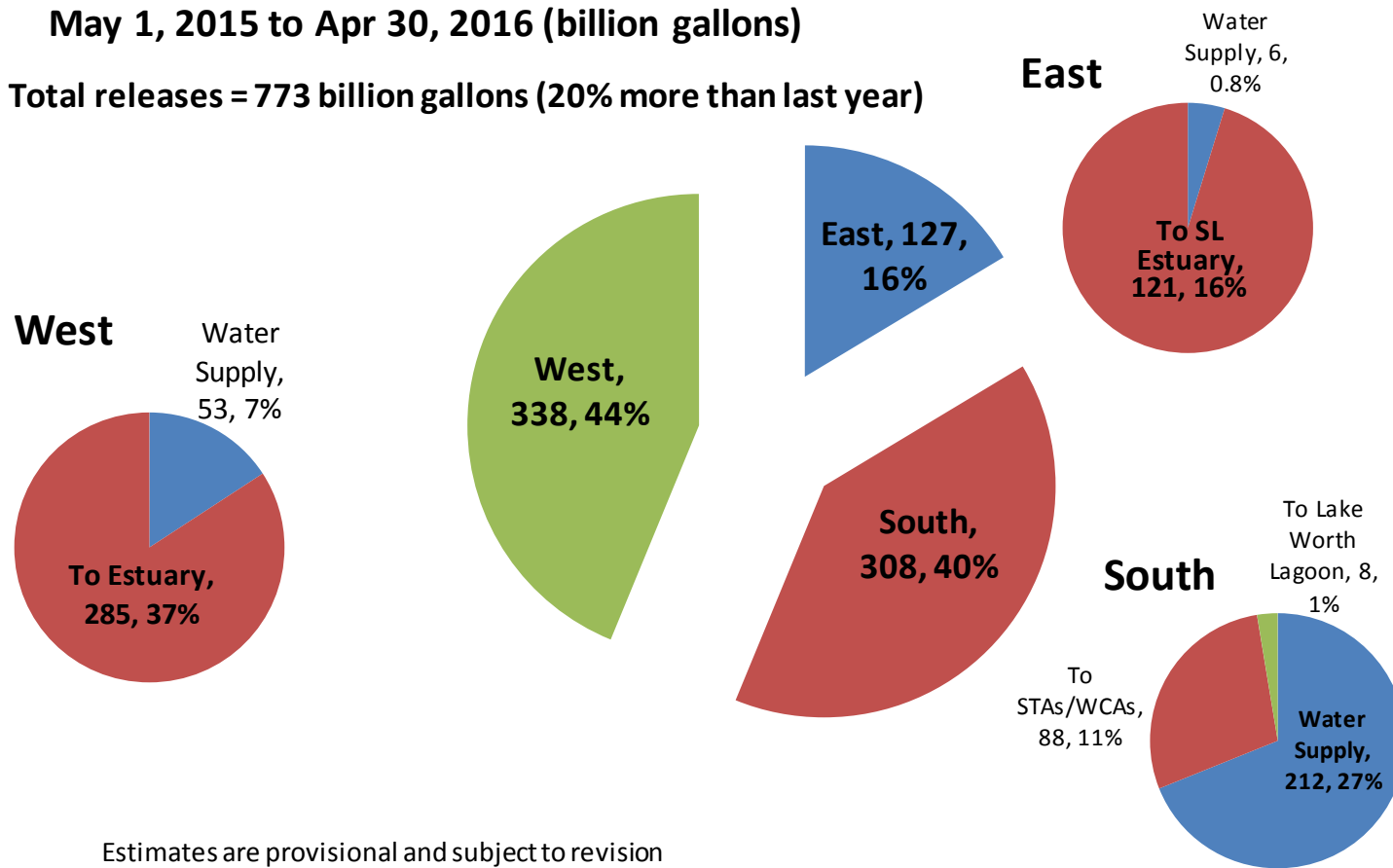
Total releases = 773 billion gallons (20% more than last year)



Distribution of Lake Okeechobee Releases

May 1, 2015 to Apr 30, 2016 (billion gallons)

Total releases = 773 billion gallons (20% more than last year)



Estimates are provisional and subject to revision

DRAFT – WY2016 SUMMARY – G. Goforth – 5 25 2016

From 05/01/2015 to 04/30/2016								Concentrations		
Parameter	Flow	Units	Flow	Units	TP, pounds	TN, pounds	TSS, pounds	TP, ppb	TN, ppb	TSS, ppb
C-44 Basin to Lake Okeechobee	14,546	acre feet	4.7	Billion gallons	7,152	68,078	1,989,860	399	1,721	50,304
C-44 Basin to SLRE (See Notes)	188,565	acre feet	61.4	Billion gallons	122,782	626,333	0	239	1,221	
Lake Okeechobeeto C-44 Canal	388,297	acre feet	126.5	Billion gallons	198,940	1,736,678	43,775,723	188	1,645	41,457
Lake to St Lucie River/Estuary	369,839	acre feet	120.5	Billion gallons	190,899	1,658,964	35,940,176	190	1,650	35,735
C-43 Canal to Lake Okeechobee	0	acre feet	0.0	Billion gallons	0	0	0			
C-43 Canal to Caloosahatchee Estuary	1,055,021	acre feet	343.8	Billion gallons	322,438	3,154,286	0	112	1,099	
Lake Okeechobee to C-43 Canal	1,038,094	acre feet	338.3	Billion gallons	288,378	4,348,054	37,788,870	102	1,540	13,386
Lake to Caloosahatchee Estuary	874,100	acre feet	284.8	Billion gallons	257,121	3,759,262	14,359,678	108	1,582	6,041
Lake to both estuaries	1,243,939	acre feet	405.4	Billion gallons	448,020	5,418,225	50,299,854	132	1,602	14,870

Notes: 1. If Basin load =0, then all load is attributable to Lake flows. 2. Data are provisional and subject to revision.

