# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 11/16/2015 (Developing El Nino Condition)

### Lake Okeechobee Net Inflow Outlook:

The Lake Okeechobee Net Inflow Outlook has been computed using 4 methods: Croley's method<sup>1</sup>, the SFWMD empirical method<sup>2</sup>, a sub-sampling of El Nino years<sup>3</sup> and a sub-sampling of cold years of the Atlantic Multi-decadal Oscillation (AMO) in combination with ENSO El Nino years<sup>4</sup>. The results for Croley's method and the SFWMD empirical method are based on the <u>CPC Outlook</u>.

Table of the Lake Okeechobee Net Inflow Outlooks in feet of equivalent depth. All methods are updated on a weekly basis with observed net inflow for the current month.

Season	Cı Me	roley's ethod <sup>1*</sup>	SFWMD Empirical Method <sup>2</sup>		Sub-sa ENS( Y	Sub-sampling of ENSO El Nino Years <sup>3</sup>		ampling of Warm + D El Nino ears <sup>4</sup>
	Value (ft)	<u>Condition</u>	Value (ft)	<u>Condition</u>	Value (ft) Condition		Value (ft)	Condition
Current (Nov- Apr)	N/A	N/A	0.92	Normal	1.59	Wet	2.03	Very Wet
Multi Seasonal (Nov- Oct)	N/A	N/A	3.49	Wet	3.99	Wet	6.06	Very Wet

\*Croley's Method Not Produced For This Report

See <u>Seasonal</u> and <u>Multi-Seasonal</u> tables for the classification of Lake Okeechobee Outlooks.

The recommended methods and values for estimating the Lake Okeechobee Net Inflow Outlook are shaded and should be used in the LORS2008 Release Guidance Flow Charts.

### Tributary Hydrologic Conditions Graph:

**-257 cfs** 14-day running average for Lake Okeechobee Net Inflow through 11/16/2015. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Dry.

**-0.80** for Palmer Index on 11/15/2015.

According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Normal.

The wetter of the two conditions above is Normal.

### LORS2008 Classification Tables:

### Lake Okeechobee Stage on 11/16/2015

Lake Okeechobee Stage: 14.32 feet

USACE Report for Lake Okeechobee

Lake Okeechobee Stage Hydrograph

Lake Okeechob	ee Management	Bottom Elevation	Current
Zone/	Band	(feet, NGVD)	Lake Stage
High Lake Manage	ement Band	17.25	
	High sub-band	16.88	
Operational Band	Intermediate sub-band	16.25	
	Low sub-band	14.50	
Base Flow sub-ba	nd	12.80	← 14.32
Beneficial Use sub	o-band	12.60	
Water Shortage M	anagement Band		

### Part C of LORS2008: Discharge to WCA's

Release Guidance Flow Chart Outcome: Up to Maximum Releases to the WCAs if Desirable or with Minimum Everglades Impacts

### Part D of LORS2008: Discharge to Tidewater

Release Guidance Flow Chart Outcome: S-79 up to 450 cfs and S-80 up to 200 cfs

### **Technical Input Summaries from:**

- Lake Okeechobee Division
- Coastal Ecosystems
- Everglades Ecosystems Division
- Water Supply Department
- Water Resource Management Release Recommendation
- Kissimmee Watershed Environmental Conditions
- Operations Department

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### LORS2008 Implementation on 11/16/2015 (ENSO Neutral Condition):

#### Water Supply Department Technical Input

#### Water Supply Outlook:

Band.

District wide, Raindar rainfall 0.51 inches for the week ending 11/16/2015. Lake stage on 11/16/2015 is 14.32 ft, down 0.12 ft from last week. The updated November 2015 SFWMM Dynamic Position Analysis <u>percentile graph</u> and tracking chart for Lake Okeechobee show that the lake stage is in the base flow Operational Sub-

The LORS2008 tributary indices are classified as **Normal**. The PDSI indicates normal condition and the LONIN is Dry. The classification is based on the wetter of the two.

Area	Indicator	Value	Color Coded Scoring Scheme
	Projected LOK Stage for the next two months	Base Flow Sub-Band	М
	Palmer Index for LOK Tributary Conditions	-0.80 (Normal)	L
		1 month: Above Normal	L
LOK	CPC Precipitation Outlook	3 months: Above Normal	L
	LOK Seasonal Net Inflow Forecast	1.59 ft	
	AMO warm/El Nino	(Normal to Extremely Wet)	_
	LOK Multi-Seasonal Net Inflow Forecast	3 99 ft (\\/et)	
	AMO warm/El Nino	3.33 it (Wet)	L
	WCA 1: Site 1-7,1-8T, & 1-9	(16.84 ft)	L
WCAs	WCA 2A: Site 2-17 HW	(12.46 ft)	L
	WCA-3A: 3 Station Average (Site 63, 64 and 65)	(10.10 ft)	L
	Service Area 1	Year-Round Irrigation Rule in effect	L
LEC	Service Area 2	Year-Round Irrigation Rule in effect	L
	Service Area 3	Year-Round Irrigation Rule in effect	L

#### Water Supply Risk Evaluation

Note: The water supply risk classification based on the Palmer index, as well as the LOK seasonal and multi-seasonal net inflow forecasts use slightly different classification intervals than those used by the 2008-LORS for classifying the tributary hydrologic condition (THC).

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# Lake Okeechobee SFWMM Nov 2015 Dynamic Position Analysis



(See assumptions on the Position Analysis Results website)

Mon Nov 16 11:52:18 EST 2015

### Tributary Basin Condition Indicators as of November 16 2015

Palmer Index



Mon Nov 16 11:51:17 EST 2015

# 2008 LORS

Part C: Establish Allowable Lake Okeechobee Releases to the Water Conservation Areas



# 2008 LORS FORECAST

Part C: Establish Allowable Lake Okeechobee Releases to the Water Conservation Areas



# 2008 LORS

Part D: Establish Allowable Lake Okeechobee Releases to Tide (Estuaries)



# 2008 LORS FORECAST

Part D: Establish Allowable Lake Okeechobee Releases to Tide (Estuaries) Note: This operational guidance provides essential When conducting Base Flow releases, Apply Meteorological Forecasts on a supplementary information to be used in conjunction flows can be distributed East and West Weekly Basis: apply Seasonal and with other supporting documentation including text up to 650 cfs as needed Multi-Seasonal Climate/Hydrologic Outlooks within the Water Control Plan. to minimize impacts or provide benefits on a Monthly Basis through S-80 and S-79 Up to Maximum **Discharge Capacity** High Lake Management Band Lake level projected to rise to High Lake Management Band To Tidewater Úp to 30 daγ VERY WET Meteorological S-77 Up to 6500 cfs Forecast S-80 Up to 2800 cfs WET TO VERY WET Tributary NORMAL TO DRY NORMAL TO WET Hydrologic High Seasonal Conditions NORMAL TO S-79 Up to 3000 cfs Climate/Hydrologic VERY WET NORMAL S-80 Up to 1170 cfs TO DRY Jp to 30 dav DRY DRY Meteorological START Forecast S-77 Up to 6500 cfs Lake Okeechobee S-80 Up to 2800 cfs Level Jp to 30 day VERY WET Lake level projected to rise to High Meteorological Forecast S-77 Up to 4000 cfs -80 Up to 1800 cfs Tributarv NORMAL TO DRY NORMAL TO WET Intermediate Hydrologic Conditions EITHER FORECAST INDICATES NORMAL TO VERY WET S-79 Up to 3000 cfs NORMAL TO VERY WET S-80 Up to 1170 cfs Seasonal Multilimate/Hydro DRY **BOTH FORECASTS** Seasonal Outlook & S-79 Up to 450 cfs INDICATE DRY Climate/Hydro Meteorological S-80 Up to 200 cfs Forecast Outlook DRY Lake Stade Seasonal S-77 Up to 4000 cfs VERY WET VERY WET TRUE within 1.0 ft of Climate/Hydrologic S-80 Up to 1800 cfs Intermediate Outlook OTHERWISE FALSE Tributary WET Low \* Hydrologic Conditions Figure WFT TO NORMAL OR Multi-S-79 Up to 450 cfs NORMAL Seasonal S-79 Up to 3000 cfs WETTER VERY WET Seasonal Climate/Hydrologic S-80 Up to 200 cfs 7 Climate/Hydro S-80 Up to 1170 cfs Outlook 4 Outlook OTHERWISE DRY **OTHERWISE** S-79 Up to 450 cfs **Base Flow** (NORMAL TO DRY)

\* Very Dry Conditions may require that releases to tide (estuaries) be discontinued

S-80 Up to 200 cfs

### Lake Okeechobee Water Level History and Projected Stages



LORS-2008 Adopted by USACE 28-April-2008 Projected Stage Percentiles From SFWMD-HESM Position Analysis

U. S. Army Corps of Engineers, Jacksonville District Lake Okeechobee and Vicinity Report \*\* Preliminary Data - Subject to Revision \*\* Data Ending 2400 hours 15 NOV 2015 Okeechobee Lake Regulation Elevation Last Year 2YRS Ago (ft-NGVD) (ft-NGVD) (ft-NGVD) \*Okeechobee Lake Elevation 14.32 15.64 14.84 (Official Elv) Bottom of High Lake Mngmt= 17.25 Top of Water Short Mngmt= 12.60 Currently in Operational Management Band Simulated Average LORS2008 [1965-2000] 13.88 Difference from Average LORS2008 0.44 15NOV (1965-2007) Period of Record Average 14.95 Difference from POR Average -0.64 Today Lake Okeechobee elevation is determined from the 4 Int & 4 Edge stations ++Navigation Depth (Based on 2007 Channel Condition Survey) Route 1 ÷ 8.26' ++Navigation Depth (Based on 2008 Channel Condition Survey) Route 2 ÷ 6.46' Bridge Clearance = 49.70' 4 Interior and 4 Edge Okeechobee Lake Average (Avg-Daily values): L001 L005 L006 LZ40 S4 S352 S308 S133 14.04 14.50 14.65 14.26 14.60 14.35 14.06 14.10 \*Combination Okeechobee Avg-Daily Lake Average = 14.32 (\*See Note) Okeechobee Inflows (cfs): S65E 618 С5 0 Fisheating Cr 45 S135 Pumps S154 0 S191 0 0 S84 0 S133 Pumps 0 S2 Pumps 0 484 0 S84X S127 Pumps S3 Pumps 0 0 0 S71 0 S129 Pumps S4 Pumps 0 S72 0 S131 Pumps Total Inflows: 1147 Okeechobee Outflows (cfs): S135 Culverts 0 S354 245 S77 1082 (Used) S127 Culverts -NR- S351 534 S77Below 1101 (NOT USED)

S129 Culverts -NR- S352 237 S308 0 (Used) S131 Culverts 0 L8 Canal Pt 189 S308Below 174 (NOT USED) Total Outflows: 2287 \*\*\*\*S77 Structure outflow is being used to compute Total Outflow. \*\*\*\*S308 Structure outflow is being used to compute Total Outflow. Okeechobee Pan Evaporation (inches): S77 0.19 S308 0.28 Average Pan Evap x 0.75 Pan Coefficient = 0.18" = 0.01' Lake Average Precipitation using NEXRAD: = -NR-" = -NR-' Evaporation - Precipitation: = -NR-" = -NR-' Evaporation - Precipitation using Lake Area of 730 square miles is equal to -NR-Lake Okeechobee (Change in Storage) Flow is -8470 cfs or -16800 AC-FT

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Note: Headwater, tailwater, and stage values below are instantaneous values unless otherwise specified.

	Headwater	Tailwater				Gat	-e Pos	sition	ng	
	neadwater	Tarrwater				Cu		510101	10	
	Flevation	Flevation	Disch	#1	#2	#3	#4	#5	#6	#7
#8	BICVACION	BICVACION	Disch	π-	Π Δ	πJ	Π 1	πJ	πO	π,
#0	(ft_mal)	(ft_mcl)	(afa)	(f+)	(f+)	(f+)	(f+)	(f+)	(f+)	(f+)
(f+)	(IC MBI)	(IC IIISI)	(CIS)	(10)	(10)	(10)	(10)	(10)	(10)	(IC)
(10)		(т	) <u>aoo</u> n	oto at	- bott	- 0m				
North Foot Ch	0070	( 1	) SEE 11	ole al		20111				
C122 Dumpa	· 12 02	14 00	0	0	0	0	0	0	(afa)	<b>`</b>
aloo.	13.02	14.09	0	0	0	0	0	0	(CIS)	)
5193.	10.01	14 10	0	0 0	0 0	0 0				
S191:	18.21	14.12	0	0.0	0.0	0.0	0		( C )	
SI35 Pumps	13.45	14.12	0	0	0	0	0		(CIS)	)
SI35 Culver	rts:		0	-NR-	-NR-					
North West Sh	lore									
S65E:	20.94	14.08	618	0.0	0.4	0.5	0.4	0.2	0.0	
S127 Pumps	13.81	14.22	0	0	0	0	0	0	(cfs)	)
S127 Culver	rt:		-NR-	-NR-						
S129 Pumps	: 13.15	14.43	0	0	0	0			(cfs)	)
S129 Culver	ct:		-NR-	-NR-						
S131 Pumps	13.06	14.43	0	0	0				(cfs)	)
S131 Culver	rt:		0							
Fisheating	Creek									
nr Palmda	ale	29.73	45							
nr Lakepo	ort									
-										

C5:	14.54	14.60	0	0.0 0	.0 0	.0				
South Shore										
S4 Pumps:	10.86	14.52	0	0	0	0			(cfs	; )
s169:	14.52	10.84	0	0.0	0.0	0.0				
S310:	14.42		35							
S3 Pumps:	10.70	14.48	0	0	0	0			(cfs	; )
S354:	14.48	10.70	245	0.3	0.6	-			(	,
S2 Pumps:	10 02	14 39	0	0.0	0.0	0	0		(cfs	:)
0351 ·	14 39	10 02	534	36	36	36	Ū		(CIL	, ,
G3E3.	14.35	10.02	227		05	5.0				
C10X.	_ND_	12 56	237	0.2	0.J Q 5	Q	5 Q	Б	Q 5	
L8 Canal P	Т	13.34	189	0.0	0.5	0.	5 0	• 5	0.5	
	S35	1 and S352	? Tempora	ary Pum	ips/S3	54 Sp	illwa	У		
S351:	10.02	14.39	534	-NRN	RNR	NR-	-NR	NR-		
S352:	10.51	14.40	237	-NRN	RNR	LNR-				
S354:	10.70	14.48	245	-NRN	RNR	NR-				
Caloogabatab	oo Diwor ()	077 070	970)							
C47D.	1476	5//, 5/0, 10 0F	5/9)	0 5	0 5					
547B.	10.02	10.05	4.4	0.5	0.5					
S47D: S77:	10.83	10.83	-44	5.0						
Spillway	and Sector	r Flow:								
	14.23	10.88	1075	1.5	2.5	0.0	1.0			
Flow Due	to Lockage	es+:	7							
S77 Below	USGS Flow (	Gage	1101							
S78:										
Spillway	and Sector	r Flow:								
	10.73	3.01	805	0.5	0.5	1.0	0.5			
Flow Due	to Lockage	es+:	16							
s79:										
Spillway	and Secto	r Flow:								
	3.19	0.74	1067	0.0	0.0	1.0	1.0	1.0	0.0	0.0
U.U Flow Due	to Lockar	2a+:	12							
Pitow Duc	of flow fr	om 977	1019							
Chlorido	OT ITOW IT	(nnm)	1010 62							
CIIIOLIUE		(ppm)	02							
St. Lucie Ca	nal (S308,	S80)								
S308:										
Spillway	and Sector	r Flow:	_							
_	14.11	13.80	0	0.0	0.0	0.0	0.0			
Flow Due	to Lockage	es+:	0							
S308 Below	USGS Flow	Gage	174							
S153:	18.70	13.64	0	0.0	0.0					
S80:										
Spillway	and Sector	r Flow:								
	13.90	1.75	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Flow	Due to	Lockages+:	:		16	
Perce	ent of	flow from S	3308	NA	00	
Steele	Point	Top Salinit	У	(mg/n	nl)	* * * *
Steele	Point	Bottom Sali	inity	(mg/n	nl)	* * * *
Speedy	Point	Top Salinit	у	(mg/m	nl)	* * * *
Speedy	Point	Bottom Sali	inity	(mg/n	nl)	* * * *

+ Flow Due to lockages is computed utilizing average daily headwater and tailwater along with total number of lockages for the day to calculate a volume which is then converted to an average discharge in cfs.

-				Wi	nd
- Daily Precipitation Totals	1-Day	3-Day	7-Day	Directio	n
speed	(inches)	(inches)	(inches)	(Dega)	
(mph)	(Inched)	(Inched)	(Inched)	(Dege)	
S133 Pump Station:	-NR-	0.03	0.13		
s193:	-NR-	0.00	0.00	-NR-	-NR-
Okeechobee Field Station:	-NR-	0.00	0.00		
S135 Pump Station:	-NR-	0.00	0.14		
S127 Pump Station:	-NR-	1.31	1.38		
S129 Pump Station:	-NR-	0.00	0.03		
S131 Pump Station:	-NR-	0.00	0.34		
s77:	0.00	0.04	0.19	111	1
S78:	0.00	5086.06	* * * * * * *	96	4
S79:	0.00	0.00	0.14	135	4
S4 Pump Station:	-NR-	0.00	0.00		
Clewiston Field Station:	-NR-	0.00	0.00		
S3 Pump Station:	-NR-	0.00	0.24		
S2 Pump Station:	-NR-	0.00	0.02		
S308:	0.00	0.00	0.04	64	1
S80:	0.00	0.96	0.96	191	3
Okeechobee Average	0.00	0.11	0.19		
(Sites S78, S79 and	S80 not ind	cluded)			
Oke Nexrad Basin Avg	-NR-	0.06	0.29		

		_							-
Okeechobee	Lake	e Elev	vations	15	NOV	2015	14.32	Difference	from
15NOV15									
15NOV15	-1	Day	=	14	NOV	2015	14.36		0.04
15NOV15	-2	Days	=	13	NOV	2015	14.41		0.09
15NOV15	-3	Days	=	12	NOV	2015	14.43		0.11
15NOV15	-4	Days	=	11	NOV	2015	14.45		0.13
15NOV15	-5	Days	=	10	NOV	2015	14.45		0.13
15NOV15	-б	Days	=	09	NOV	2015	14.43		0.11
15NOV15	-7	Days	=	08	NOV	2015	14.44		0.12
15NOV15	-30	Days	=	16	OCT	2015	14.78		0.46
15NOV15	-1	Year	=	15	NOV	2014	15.64		1.32
15NOV15	-2	Year	=	15	NOV	2013	14.84		0.52

Long Term Mean 30day Avearge ET for Lake Alfred (Inches) = -NR-Lake Okeechobee Net Inflow (LONIN) Average Flow over the previous 14 days Avg-Daily Flow Today = 15 NOV 2015 -658 MON -1 Day = 14 NOV 2015 -82 SUN 15NOV15 -6190 15NOV15 -1 Day = -8314 495 SAT 15NOV15 -2 Days = 13 NOV 2015 -1556 15NOV15 -3 Days = 12 NOV 2015 533 FRI -2002 15NOV15-3Days=12NOV201515NOV15-4Days=11NOV201515NOV15-5Days=10NOV201515NOV15-6Days=09NOV201515NOV15-6Days=08NOV201515NOV15-7Days=07NOV201515NOV15-8Days=07NOV201515NOV15-9Days=06NOV201515NOV15-10Days=05NOV201515NOV15-11Days=04NOV201515NOV15-12Days=03NOV201515NOV15-13Days=02NOV2015 864 THU 2324 1146 WED 7669 687 TUE 921 429 MON 605 363 SUN -1353 456 SAT -1171 -1105 706 FRI 873 THU -1152 1029 WED 647 1468 1060 TUE 

					Se	55E			
				Average	Flov	v over	previous	14 days	Avg-Daily Flow
15NOV15		Today	7=	15	NOV	2015	1086	MON	618
15NOV15	-1	Day	=	14	NOV	2015	1172	SUN	717
15NOV15	-2	Days	=	13	NOV	2015	1258	SAT	766
15NOV15	-3	Days	=	12	NOV	2015	1343	FRI	711
15NOV15	-4	Days	=	11	NOV	2015	1440	THU	979
15NOV15	-5	Days	=	10	NOV	2015	1524	WED	1140
15NOV15	-б	Days	=	09	NOV	2015	1573	TUE	1192
15NOV15	-7	Days	=	08	NOV	2015	1630	MON	1007
15NOV15	-8	Days	=	07	NOV	2015	1675	SUN	947
15NOV15	-9	Days	=	06	NOV	2015	1732	SAT	1077
15NOV15	-10	Days	=	05	NOV	2015	1803	FRI	1246
15NOV15	-11	Days	=	04	NOV	2015	1855	THU	1464
15NOV15	-12	Days	=	03	NOV	2015	1873	WED	1595
15NOV15	-13	Days	=	02	NOV	2015	1888	TUE	1752

Lake Okeechobee Outlets Last 14 Days

			S-77	S-77	Below S-77	S-78	S-78	S-79
		I	Discharge	Discharge	Discharge	Discharge	Discharge	Discharge
		(	0700-2100)	(ALL DAY)	(ALL-DAY)	(0700 - 2100)	(ALL DAY)	(ALL DAY)
	DATE	C	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)
15	NOV	2015	1273	2146	2183	947	1628	2139
14	NOV	2015	1002	-NA-	1315	889	1201	2211
13	NOV	2015	508	-NA-	455	172	307	1229
12	NOV	2015	4	30	147	197	446	1099
11	NOV	2015	225	731	853	381	680	945
10	NOV	2015	1176	-NA-	1498	417	880	1335
09	NOV	2015	1331	-NA-	1826	756	1384	1636
08	NOV	2015	1354	-NA-	1612	927	1595	1885

07 06 05 04 03 02	NOV NOV NOV NOV NOV	2015 2015 2015 2015 2015 2015 2015	1337 906 536 925 606 644	- NA - - NA - - NA - - NA - - NA - - NA -	1632 1009 1023 1263 794 1366	924 288 20 292 136 176	1323 485 319 563 330 800	1926 942 95 434 949 1857
15 14 13 12 11 10	DATE NOV NOV NOV NOV NOV	E 2015 2015 2015 2015 2015 2015 2015 2015	S-310 Discharge (ALL DAY) (AC-FT) 69 121 116 55 42 54 71	S-351 Discharge (ALL DAY) (AC-FT) 1059 1160 1420 1664 1931 1761 1842	S-352 Discharge (ALL DAY) (AC-FT) 470 573 1430 1170 902 1184 884	S-354 Discharge (ALL DAY) (AC-FT) 486 863 1610 1406 672 1237 827	L8 Canal Pt Discharge (ALL DAY) (AC-FT) 374 392 386 365 384 401 231	
09 08 07 06 05 04 03 02	NOV NOV NOV NOV NOV NOV	2015 2015 2015 2015 2015 2015 2015 2015	48 99 175 201 184 141 106	1842 1668 1565 2054 2350 2088 1995 2598	884 462 942 1130 619 692 984 1529	752 797 1192 1465 1152 813 660	331 342 354 353 353 360 370 355	
15 14 13 12 11 09 08 07 06 05 04	DATH NOV NOV NOV NOV NOV NOV NOV NOV NOV	E 2015 2015 2015 2015 2015 2015 2015 2015	S-308 Discharge (ALL DAY) (AC-FT) 0 0 1 1 1 1 1 0 0 0 1 0 0 0	Below S-308 Discharge (ALL-DAY) (AC-FT) 344 27 316 442 343 -199 -2 117 148 386 79 346	3 S-80 Discharg (ALL-DAY (AC-FT) 32 51 64 63 61 47 33 45 38 56 60 46	e )		
03 02 *** Sec and	NOV NOV * NC ctor	2015 2015 DTE: 1	-0 -0 Discha Gate D 2) Discha Lockag	58 73 rge from (07 ischarges fr rge (ALL DAY es Discharge	54 46 700-2100) i rom 0700 hr () is compu es from 001	s computed s to 2100 h ted using S 5 hrs to 24	using Spillwa rs. pillway, Sect 00 hrs.	y and or Gate

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(I) - Flows preceeded by "I" signify an instantaneous
 flow computed from the single value reported for the day

* On 11 May 1999, Lake Okeechobee Elevation was switched from
Instantaneous 2400 value to an average-daily lake average.
On 14 Mar 2001, due to the isolation of various gages within the
standard
10 stations, the average of the interior 4 station gages was used as the Lake Okeechobee Elevation
on 05 November 2010 Like Okooshebee Flowation was switched to a 9 sage
on os november 2010, Lake Okeechobee Elevation was switched to a gage
mix of interior and edge gages to obtain a more reliable representation
of the lake level.
On 09 May 2011, Lake Okeechobee Elevation was switched to a 8 gage
mix of interior and edge gages to obtain a more reliable representation
of the lake level due to isolation of S135 from low lake levels.
Today Lake Okechobee elevation is determined from the 4 Int & 4 Edge
stations
++ For more information see the Jacksonville District Navigation website
at http://www.saj.usace.army.mil/
\$ For information regarding Lake Okeechobee Service Area water
v ret internation regularing faile encounded bettied med water
please reler to www.slwma.gov

Report Generated 16NOV2015 @ 10:15 \*\* Preliminary Data - Subject to Revision \*\*

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# **Classification Tables**

Supplemental Tables used in conjunction with the LORS2008 Release

Guidance Flow Charts

• Class Limits for Tributary Hydrologic Conditions

Table K-2 in the Lake Okeechobee Water Control Plan

<u>6-15 Day Precipitation Outlook Categories</u>

Table ?? in the Lake Okeechobee Water Control Plan

<u>Classification of Lake Okeechobee Net Inflow for Seasonal</u>

<u>Outlook</u>

 Table K-3 in the Lake Okeechobee Water Control Plan

<u>Classification of Lake Okeechobee Net Inflow for Multi-</u>

Seasonal Outlook

 Table K-4 in the Lake Okeechobee Water Control Plan

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Tributary Hydrologic	Palmer Index	2-wk Mean L.O. Net
Classification*	Class Limits	Inflow Class Limits
Very Wet	3.0 or greater	Greater >= 6000 cfs
Wet	1.5 to 2.99	2500 - 5999 cfs
Near Normal	-1.49 to 1.49	500 - 2499 cfs
Dry	-2.99 to -1.5	-5000 – 500 cfs
Very Dry	-3.0 or less	Less than -5000 cfs

\* use the wettest of the two indicators

### **Classification of Lake Okeechobee Net Inflow Seasonal Outlook**\*

Lake Net Inflow Prediction	Equivalent Depth**	Lake Okeechobee
[million acre-feet]	[feet]	Net Inflow
		Seasonal Outlook
> 0.93	> 2.0	Very Wet
0.71 to 0.93	1.51 to 2.0	Wet
0.35 to 0.70	0.75 to 1.5	Normal
< 0.35	< 0.75	Dry

\*\*Volume-depth conversion based on average lake surface area of 467,000 acres

### Classification of Lake Okeechobee Net Inflow Multi-Seasonal Outlook\*

Lake Net Inflow Prediction	Equivalent Depth**	Lake Okeechobee
[million acre-feet]	[feet]	Net Inflow
[]	[1001]	Multi-Seasonal Outlook
> 2.0	> 4.3	Very Wet
1.18 to 2.0	2.51 to 4.3	Wet
0.5 to 1.17	1.1 to 2.5	Normal
< 0.5	< 1.1	Dry

\*\*Volume-depth conversion based on average lake surface area of 467,000 acres

# 6-15 Day Precipitation Outlook Categories\*

6-15 Day Precipitation Outlook Categories	WSE Decision Tree Categories
Above Normal	Wet to Very Wet
Normal	Normal
Below Normal	Dry

\* Corresponds to Table 7-6 in the Lake Okeechobee Water Control Plan

Under Construction