# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 5/1/2017 (ENSO Neutral 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 Neutral years<sup>3</sup> and a sub-sampling of warm years of the Atlantic Multi-decadal Oscillation (AMO) in combination with Neutral ENSO years<sup>4</sup>. The results for Croley's method and the SFWMD empirical method are based on the CPC Outlook.

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	Croley's Method <sup>1*</sup> Season		SFWMD Empirical Method <sup>2</sup>		Sub-sampling of Neutral ENSO Years <sup>3</sup>		Sub-sampling of AMO Warm + Neutral ENSO Years <sup>4</sup>	
	Value (ft)	Condition	Value (ft)	Condition	Value (ft)	Condition	Value (ft)	Condition
Current (May- Oct)	N/A	N/A	2.30	Very Wet	2.63	Very Wet	3.48	Very Wet
Multi Seasonal (May- Apr)	N/A	N/A	2.76	Wet	3.73	Wet	4.12	Wet

<sup>\*</sup>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:**

- **-2006 cfs** 14-day running average for Lake Okeechobee Net Inflow through 5/1/2017. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Dry.
- **-3.63** for Palmer Index on 4/30/2017. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Very Dry.

The wetter of the two conditions above is **Dry**.

### **LORS2008 Classification Tables:**

### Lake Okeechobee Stage on 5/1/2017

Lake Okeechobee Stage: 11.61 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	16.64	
	High sub-band	16.01	
Operational Band	Intermediate sub-band	15.25	
	Low sub-band	13.34	
Base Flow sub-ba	nd	12.60	
Beneficial Use sub	o-band	10.95	← 11.61
Water Shortage M	lanagement Band		

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

Release Guidance Flow Chart Outcome: No releases to the WCAs.

### Part D of LORS2008: Discharge to Tidewater

Release Guidance Flow Chart Outcome: No releases to the Estuaries.

### **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 5/1/2017 (ENSO Neutral Condition):

#### Status for week ending 5/1/2017:

District wide, Raindar rainfall was 0.03 inches for the week. Lake stage on 5/1/2017 was 11.61 ft, down 0.17 ft from last week.

The updated April 2017 SFWMM Dynamic Position Analysis <u>percentile graph</u> for Lake Okeechobee show that the current lake stage is in the Beneficial Use Operational Sub-Band.

The LORS2008 tributary <u>indices</u> are classified as **Dry**. The PDSI indicates very dry condition and the LONIN is Dry. The classification is based on the wetter of the two.

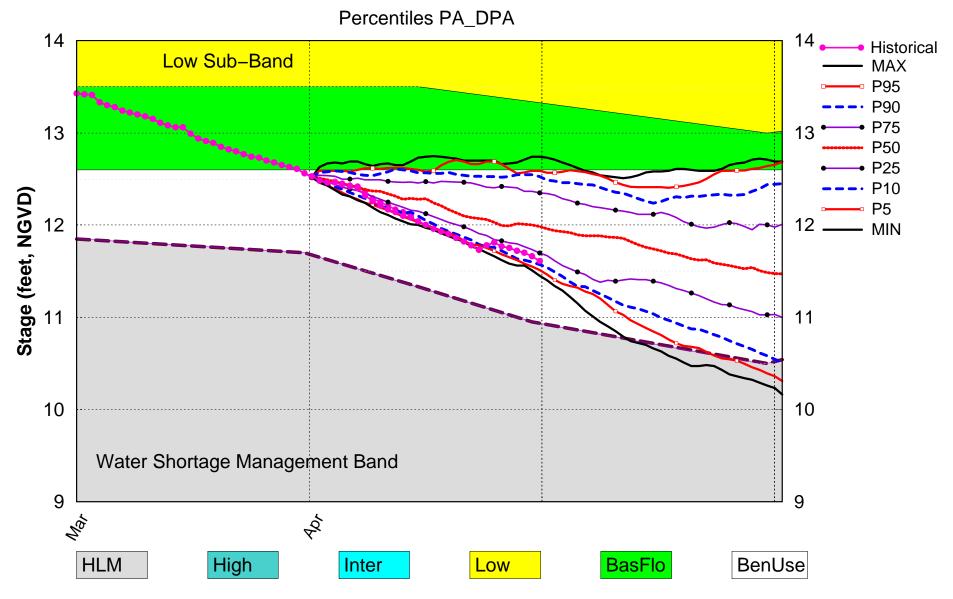
Water Supply Risk Evaluation

water	er Supply Risk Evaluation						
Area	Indicator	Value	Color Coded Scoring Scheme				
	Projected LOK Stage for the next two months	Beneficial Use Sub-Band	Н				
	Palmer Index for LOK Tributary Conditions	-3.63 (Extremely Dry)	П				
	CPC Precipitation Outlook	1 month: Normal	L				
LOK	CFC Frecipitation Outlook	3 months: Normal	L				
	LOK Seasonal Net Inflow Outlook	2.63 ft					
	ENSO La Nina Years	(Normal)	_				
	LOK Multi-Seasonal Net Inflow						
	Outlook	3.73 ft (Wet)	L				
	ENSO La Nina Years						
	WCA 1: Site 1-7, Site 1-8T, & Site 1-9 Average	Above Line 1 (15.86 ft)	L				
WCAs	WCA 2A: Site 2-17 HW	Above Line 1 (11.70 ft)	L				
	WCA-3A: 3 Station Average (Site 63, 64 and 65)	Above Line 1 (8.76 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				

Note: The water supply risk classification based on the Palmer index, as well as the LOK seasonal and multi-seasonal net inflow outlooks use slightly different classification intervals than those used by the 2008-LORS.

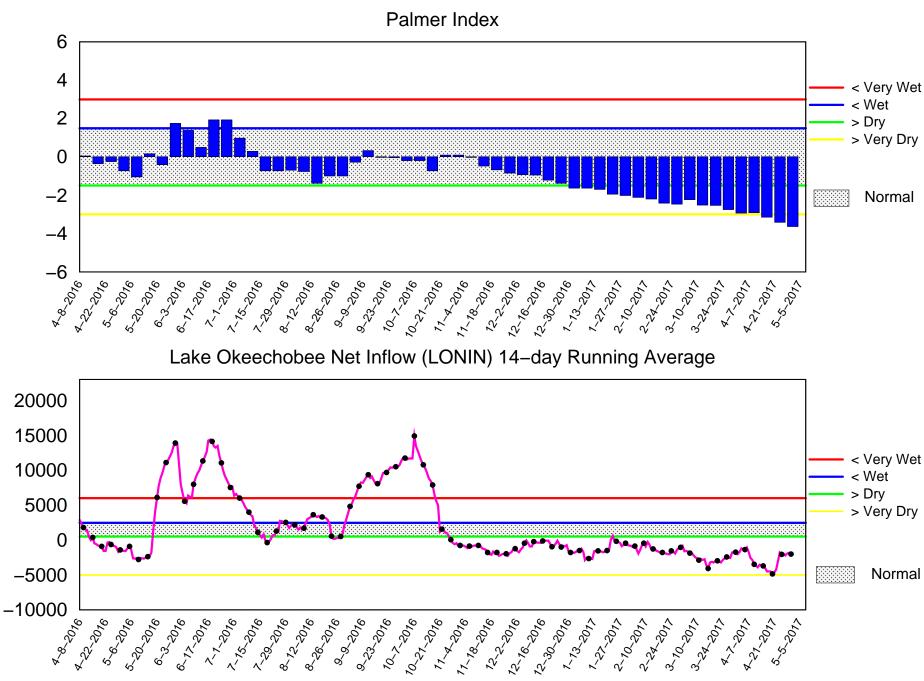
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# Lake Okeechobee SFWMM Apr 2017 Dynamic Position Analysis



(See assumptions on the Position Analysis Results website)

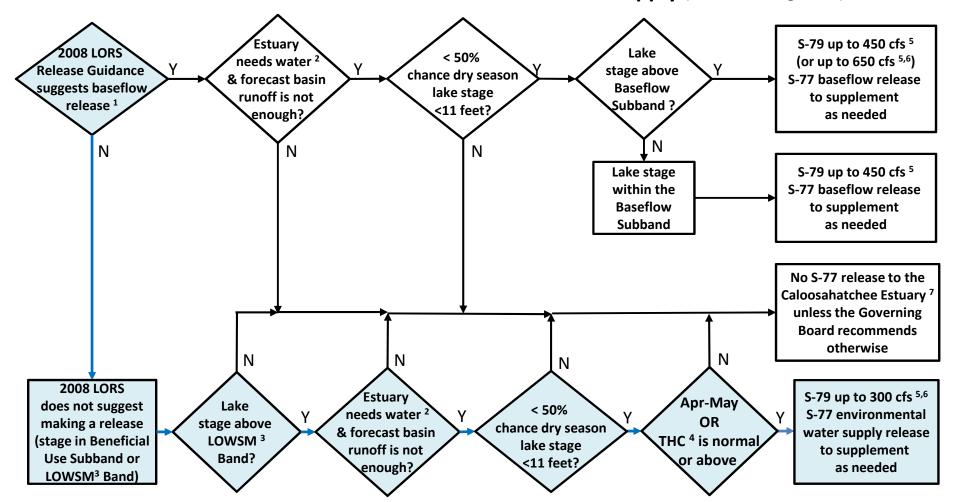
# Tributary Basin Condition Indicators as of May 1 2017



Mon May 01 12:02:16 EDT 2017

-low (cfs)

### Flowchart to Guide Recommendations for Lake Okeechobee Releases to the Caloosahatchee Estuary for 2008 LORS Baseflow & for Environmental Water Supply (revised 9-Aug-2012)



<sup>&</sup>lt;sup>1</sup>The 2008 LORS Release Guidance (Part D) can suggest baseflow releases in the Intermediate, Low, or Baseflow Subbands.

<sup>&</sup>lt;sup>2</sup>Estuary "needs" water when the 30-day moving average salinity at I-75 bridge is projected to exceed 5 practical salinity units (psu) within 2 weeks.

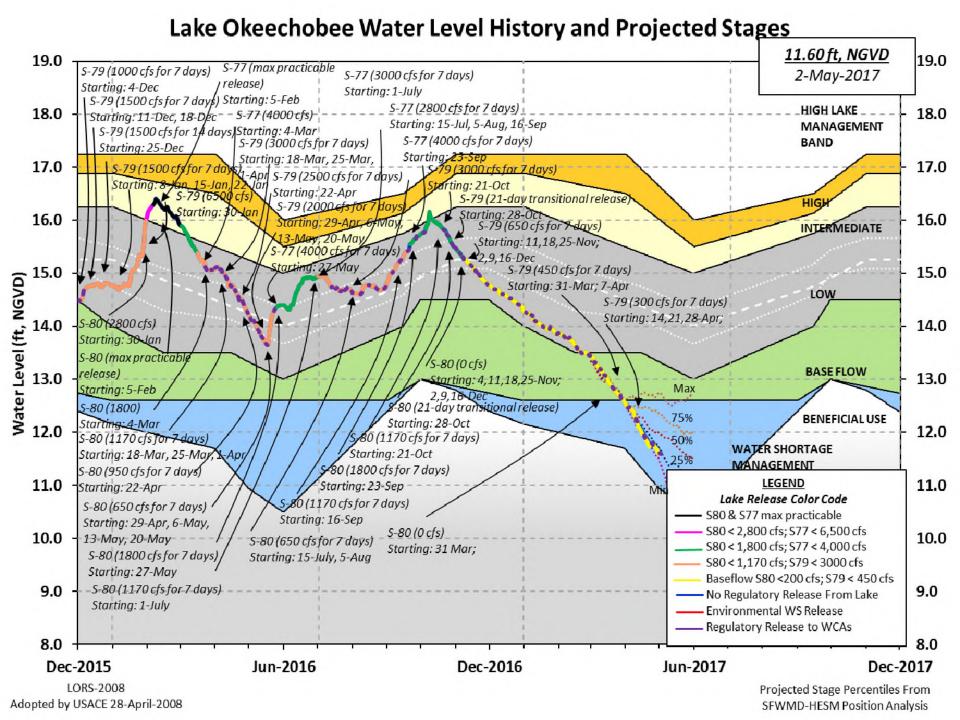
<sup>&</sup>lt;sup>3</sup>LOWSM = Lake Okeechobee Water Shortage Management.

<sup>&</sup>lt;sup>4</sup>Tributary Hydrologic Condition (THC) is based on classification of Lake Okeechobee Net Inflow and Palmer Index.

<sup>&</sup>lt;sup>5</sup>Can release less than the "up to" limit if lower release is sufficient to reach or sustain desired estuary salinity; cfs = cubic feet per second.

<sup>&</sup>lt;sup>6</sup>After reviewing conditions in Water Conservation Areas (WCAs), Stormwater Treatment Areas (STAs), ENP, St. Lucie Estuary and Lake Okeechobee.

<sup>&</sup>lt;sup>7</sup>Should this condition be reached, the Governing Board will be briefed at their next regularly scheduled meeting as part of the State of the Water Resources agenda item.



#### 

Data Ending 2400 hours 30 APR 2017

Ukeechobee Lake 1	Regulation	n Elevatio (ft-NGVD		ear 2YRS Ago VD) (ft-NGVD)	
	Lake Mngr	ion 11.61	14.: of Water Sl	21 13.87 (Of hort Mngmt= 10.	
		008 [1965-2000] LORS2008			
30APR (1965-20 Difference from		d of Record Ave	rage 13		
Today Lake Oke stations	echobee el	levation is det	ermined fro	om the 4 Int &	4 Edge
	epth (Base	ed on 2007 Chan	nel Condit	ion Survey) Rou	te 1 ÷
5.55' ++Navigation D	epth (Base	ed on 2008 Chan	nel Condit:	ion Survey) Rou	te 2 ÷
3.75' Bridge Clearan	ce = 52.34	1'			
_					
4 Interior and 4	Edge Oke	echobee Lake Av	erage (Avg	-Daily values):	
				-Daily values):	
L001 L005	L006 LZ4	echobee Lake Av 40 S4 S35 .56 11.66 11.	2 S308		
L001 L005 11.54 11.85	L006 LZ4	40 S4 S35 .56 11.66 11.	2 S308 57 11.43	S133 11.68	
L001 L005	L006 LZ4	40 S4 S35 .56 11.66 11.	2 S308 57 11.43	S133 11.68	
L001 L005 11.54 11.85	L006 LZ4	40 S4 S35 .56 11.66 11.	2 S308 57 11.43	S133 11.68	
L001 L005 11.54 11.85	L006 LZ4 11.59 11. eechobee	40 S4 S35 .56 11.66 11.	2 S308 57 11.43	S133 11.68	
L001 L005 11.54 11.85  *Combination Ok	L006 LZ4 11.59 11 eechobee	40 S4 S35 .56 11.66 11. Avg-Daily Lake	2 S308 57 11.43 Average =	S133 11.68 11.61 (*See Note)	0
L001 L005 11.54 11.85  *Combination Ok	L006 LZ4 11.59 11 eechobee ws (cfs):	40 S4 S35.56 11.66 11.  Avg-Daily Lake  S65EX1	2 S308 57 11.43 Average =	S133 11.68  11.61 (*See Note)  Fisheating Cr	_
L001 L005 11.54 11.85  *Combination Ok  Combination Ok  Combination Ok  Section 100  Combination Ok  Combinati	L006 LZ4 11.59 11. eechobee ws (cfs): 0 0	10 S4 S35 .56 11.66 11. Avg-Daily Lake S65EX1 S191	2	S133 11.68  11.61 (*See Note)  Fisheating Cr S135 Pumps	0
L001 L005 11.54 11.85  *Combination Ok  Combination Ok  Combin	L006 LZ4 11.59 11. eechobee ws (cfs): 0 0 0	10 S4 S35 .56 11.66 11. Avg-Daily Lake S65EX1 S191 S133 Pumps	2	S133 11.68  11.61 (*See Note)  Fisheating Cr S135 Pumps S2 Pumps	0 0
L001 L005 11.54 11.85  *Combination Ok  Combination Ok  Combin	L006 LZ4 11.59 11. eechobee  ws (cfs):     0     0     0	30 S4 S35 .56 11.66 11. Avg-Daily Lake S65EX1 S191 S133 Pumps S127 Pumps	2	S133 11.68  11.61 (*See Note)  Fisheating Cr S135 Pumps S2 Pumps S3 Pumps	0 0 0
*Combination Ok  *Combi	L006 LZ4 11.59 11. eechobee  ws (cfs):     0     0     0     0     0     0	30 S4 S35 .56 11.66 11. Avg-Daily Lake S65EX1 S191 S133 Pumps S127 Pumps S129 Pumps	2 S308 57 11.43 Average = 214 0 0 0 0	S133 11.68  11.61 (*See Note)  Fisheating Cr S135 Pumps S2 Pumps S3 Pumps S4 Pumps	0 0 0 0
L001 L005 11.54 11.85  *Combination Ok  Combination Ok  Combin	L006 LZ4 11.59 11. eechobee  ws (cfs):     0     0     0	30 S4 S35 .56 11.66 11. Avg-Daily Lake S65EX1 S191 S133 Pumps S127 Pumps	2	S133 11.68  11.61 (*See Note)  Fisheating Cr S135 Pumps S2 Pumps S3 Pumps	0 0 0
L001 L005 11.54 11.85  *Combination Ok  Combination Ok  Combination Ok  S65E S154 S84 S84X S71 S72 Cotal Inflows:	L006 LZ4 11.59 11.  eechobee  ws (cfs):     0     0     0     0     0     214	30 S4 S35 .56 11.66 11. Avg-Daily Lake S65EX1 S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps	2 S308 57 11.43 Average = 214 0 0 0 0	S133 11.68  11.61 (*See Note)  Fisheating Cr S135 Pumps S2 Pumps S3 Pumps S4 Pumps	0 0 0 0
*Combination Ok *Combination Ok *Combination Ok *Combination Ok *Combination Ok *Combination Ok *Combination Ok *Combination Ok *S65E \$154 \$84 \$84 \$84 \$71 \$72 *Cotal Inflows:	L006 LZ4 11.59 11.  eechobee  ws (cfs):     0     0     0     0     0     214	30 S4 S35 .56 11.66 11. Avg-Daily Lake S65EX1 S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps	2 S308 57 11.43 Average = 214 0 0 0 0	S133 11.68  11.61 (*See Note)  Fisheating Cr S135 Pumps S2 Pumps S3 Pumps S4 Pumps	0 0 0 0
L001 L005 11.54 11.85  *Combination Ok  Combination Ok  Combination Ok  S65E S154 S84 S84X S71 S72 Cotal Inflows:  Cokeechobee Outfle	L006 LZ4 11.59 11.  eechobee  ws (cfs):     0     0     0     0     214  ows (cfs):	10 S4 S35 .56 11.66 11. Avg-Daily Lake S65EX1 S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps	2	S133 11.68  11.61 (*See Note)  Fisheating Cr S135 Pumps S2 Pumps S3 Pumps S4 Pumps C5	0 0 0 0
L001 L005 11.54 11.85  *Combination Ok  Combination Ok  Combination Ok  S65E S154 S84 S84X S71 S72 Total Inflows:  Okeechobee Outfle S135 Culverts	L006 LZ4 11.59 11.  eechobee  ws (cfs):     0    0    0     0    0     214  ows (cfs):	30 S4 S35 .56 11.66 11. Avg-Daily Lake S65EX1 S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps	2	S133 11.68  11.61 (*See Note)  Fisheating Cr S135 Pumps S2 Pumps S3 Pumps S4 Pumps C5	0 0 0 0 0
*Combination Oke  Combination Oke  Combination Oke  Combination Oke  Combination Oke  Combination Oke  Inflows:  Inflows:  Combination Oke  Inflows:  Inflows:  Combination Oke  Inflows:  In	L006 LZ4 11.59 11.  eechobee  ws (cfs):     0    0    0     0    0     214  ows (cfs):     0    0	30 S4 S35 .56 11.66 11. Avg-Daily Lake S65EX1 S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps	2	S133 11.68  11.61 (*See Note)  Fisheating Cr S135 Pumps S2 Pumps S3 Pumps S4 Pumps C5	0 0 0 0 0

\*\*\*\*S77 structure flow is being used to compute Total Outflow. \*\*\*\*S308 structure flow is being used to compute Total Outflow. Okeechobee Pan Evaporation (inches): 0.20 S308 S77 0.34 Average Pan Evap x 0.75 Pan Coefficient = 0.20" = 0.02' 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 -8823 cfs or -17500 AC-FT Note: Headwater, tailwater, and stage values below are instantaneous values unless otherwise specified. Headwater Tailwater ----- Gate Positions -----Elevation Elevation Disch #1 #2 #3 #4 #5 #6 #7 #8 (ft-msl) (ft-msl) (cfs) (ft) (ft) (ft) (ft) (ft) (ft) (ft) (I) see note at bottom North East Shore 0 0 0 0 0 (cfs) S133 Pumps: 11.77 11.58 S193: 0 0.0 0.0 0.0 S191: 17.16 11.53 S135 Pumps: 11.08 0 0 11.37 0 0 0 (cfs) 0.0 0.0 S135 Culverts: 0 North West Shore 0 0.0 0.0 0.0 0.0 0.0 0.0 11.71 S65E: 21.05 S65EX1: 21.05 11.71 214 S127 Pumps: 11.79 11.81 0 0 0 0 0 (cfs) 0 0.0 S127 Culvert: 0 S129 Pumps: \_\_\_\_ -NR-0 0 0 0 (cfs) S129 Culvert: 0 -NR-12.35 S131 Pumps: 12.23 0 0 0 (cfs) S131 Culvert: 0 Fisheating Creek 27.49 nr Palmdale nr Lakeport C5: 11.99 11.97 0 0.0 3.0 0.0

S4 Pumps: 11.60 11.77 0 0 0

(cfs)

South Shore

```
    S169:
    11.71
    11.69
    105
    5.0
    5.0

    S310:
    11.65
    156

                               156
 S310: 11.65
S3 Pumps: 11.14
11.59
0
0
0
0
0
S354: 11.59
11.14
481
2.8
3.0
S2 Pumps: 11.11
11.55
0
0
0
0
0
0
0
S351: 11.55
11.11
972
4.6
4.6
4.6
                                                              (cfs)
                                                             (cfs)
 S352: 11.52
C10A: -NR-
                     10.53
                               100 0.1 0.2
                                     0.0 8.0 8.0 8.0 8.0
                     11.61
                      11.44 -123
 L8 Canal PT
                 S351 and S352 Temporary Pumps/S354 Spillway
            11.11
                      11.55
                               972 -NR--NR--NR--NR--NR-
                     11.52 100 -NR--NR--NR--NR-
11.59 481 -NR--NR--NR-
 S352:
             10.53
             11.14
 S354:
Caloosahatchee River (S77, S78, S79)
 S47B: 12.65 10.93
                                     0.0 0.0
 S47D:
             10.90
                     10.89 34 6.2
 S77:
   Spillway and Sector Flow:
             Flow Due to Lockages+: 2
 S77 Below USGS Flow Gage 1116
 S78:
   Spillway and Sector Flow:
             10.80 3.02 662 0.0 0.0 0.0 1.5
  Flow Due to Lockages+:
                               16
 S79:
   Spillway and Sector Flow:
    3.19 1.50 666 0.0 0.5 1.0 0.5 0.0 0.0
0.0
   Flow Due to Lockages+:
                                10
   Percent of flow from S77 172%
Chloride (ppm) 89
St. Lucie Canal (S308, S80)
 S308:
   Spillway and Sector Flow:
             11.39 11.16 315.00 0.0 0.0 0.0 0.0
   Flow Due to Lockages+: 0
 S153: 18.49 10.97 0 S80:
                                0 0.0 0.0
   Spillway and Sector Flow:
   11.25 0.06 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Flow Due to Lockages+: 19
   Percent of flow from S308 NA %
 Steele Point Top Salinity (mg/ml) ****
```

```
Steele Point Bottom Salinity (mg/ml) ****

Speedy Point Top Salinity (mg/ml) ****

Speedy Point Bottom Salinity (mg/ml) ****
```

+ 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
aily Precipitation Totals	1-Day	3-Day	7-Day	Directio	n
peed					
	(inches)	(inches)	(inches)	(Degø)	
mph)					
S133 Pump Station:	-NR-	0.00	0.00		
S193:	-NR-	0.00	0.00	-NR-	-NR-
Okeechobee Field Station:	-NR-	0.00	0.00		
S135 Pump Station:	-NR-	0.00	0.00		
S127 Pump Station:	-NR-	0.00	0.00		
S129 Pump Station:	-NR-	0.00	0.00		
S131 Pump Station:	-NR-	0.00	0.00		
S77:	0.00	0.00	0.20	150	6
S78:	0.00	0.00	0.00	102	5
S79:	0.00	0.00	0.00	199	8
S4 Pump Station:	-NR-	0.00	0.00		
Clewiston Field Station:	-NR-	0.00	0.00		
S3 Pump Station:	-NR-	0.00	0.00		
S2 Pump Station:	-NR-	0.00	0.00		
S308:	0.00	0.00	0.00	84	7
S80:	0.00	0.96	0.96	108	6
Okeechobee Average	0.00	0.00	0.02		
(Sites S78, S79 and	S80 not ind	cluded)			
Oke Nexrad Basin Avg	-NR-	0.00	0.02		

keechobee Lake Elevations	30 APR 2017	11.61 Differ	ence from
30APR17			
30APR17 - 1 Day =	29 APR 2017	11.66	0.05
30APR17 - 2 Days =	28 APR 2017	11.70	0.09
30APR17 - 3 Days =	27 APR 2017	11.72	0.11
30APR17 - 4 Days =	26 APR 2017	11.75	0.14
30APR17 -5 Days =	25 APR 2017	11.77	0.16
30APR17 -6 Days =	24 APR 2017	11.81	0.20
30APR17 - 7 Days =	23 APR 2017	11.78	0.17
30APR17 -30 Days =	31 MAR 2017	12.53	0.92
30APR17 -1 Year =	30 APR 2016	14.21	2.60
30APR17 -2 Year =	30 APR 2015	13.87	2.26

Long Term Mean 30day Avearge ET for Lake Alfred (Inches) = -NR-

_										
									ow (LONIN)	
								previous	14 days	Avg-Daily Flow
	30APR17		Гoday				2017	-1763	MON	-5812
	30APR17		Day				2017	-1611		-3825
	30APR17	-2	Days	=	28	APR	2017	-1655	SAT	-1036
	30APR17	-3	Days	=	27	APR	2017	-1945	FRI	-3974
	30APR17	-4	Days	=	26	APR	2017	-1711	THU	-2558
	30APR17	-5	Days	=			2017	-1822	WED	-5711
	30APR17	-6	Days	=	24	APR	2017	-1520	TUE	5980
	30APR17	-7	Days	=	23	APR	2017	-2204	MON	10738
	30APR17	-8	Days	=	22	APR	2017	-3425	SUN	-5861
	30APR17	-9	Days	=	21	APR	2017	-3614	SAT	-3567
	30APR17	-10	Days	=	20	APR	2017	-4249	FRI	-3612
	30APR17	-11	Days	=	19	APR	2017	-4129	THU	-3133
	30APR17	-12	Days	=	18	APR	2017	-4015	WED	-1091
	30APR17	-13	Days	=	17	APR	2017	-4051	TUE	-1225
_										
_						S	65E			
				Δτ	erage			previous	14 davs	Avg-Daily Flow
	30APR17		Today				2017	0		0
	30APR17	_1	Day	_			2017	0		0
	30APR17		Days				2017	0		
	30APR17		Days				2017	0		
	30APR17		Days				2017	0	THU	
	30APR17		Days				2017	0	WED	
	30APR17		Days				2017	8	TUE	0
			_				2017	8		0
	30APR17 30APR17		Days				2017	8	MON	0
			Days						SUN	!
	30APR17		Days				2017	8	SAT	0
	30APR17		_				2017	8	FRI	0
	30APR17		-				2017	8	THU	0
	30APR17		-		_		2017	8	WED	0
	30APR17	-13	Days	=	Ι/	APR	2017	8	TUE	0
_										
_										
							65EX1	_		1
								previous		Avg-Daily Flow
	30APR17		Today	-			2017	246	MON	214
	30APR17		Day				2017	247	SUN	214
	30APR17	-2	Days	=			2017	253	SAT	214
	30APR17	-3	Days	=	27	APR	2017	261	FRI	216
	30APR17	-4	Days	=	26	APR	2017	265	THU	217
	30APR17	-5	Days	=			2017	269	WED	233
	30APR17	-6	Days	=	24	APR	2017	266	TUE	271
	30APR17	-7	Days	=	23	APR	2017	267	MON	271
	30APR17	-8	Days	=	22	APR	2017	266	SUN	252
	30APR17	-9	Days	=	21	APR	2017	267	SAT	241
	30APR17	-10	Days	=	20	APR	2017	271	FRI	270
	30APR17	-11	Days	=	19	APR	2017	275	THU	269
	30APR17	-12	Days	=	18	APR	2017	278	WED	270

\_ Lake Okeechobee Outlets Last 14 Days

	S-77	Below S-77	S-78	S-79	
	Discharge	Discharge	Discharge	Discharge	
	(ALL DAY)	(ALL-DAY)	(ALL DAY)	(ALL DAY)	
DATE	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)	
30 APR 2017	7 2263	2214	1338	1335	
29 APR 2017	7 2482	2665	1676	1448	
28 APR 2017		1263	515	276	
27 APR 2017		603	35	13	
26 APR 2017		98	42	108	
25 APR 2017		536	137	1188	
24 APR 2017		844	663	1852	
23 APR 2017		1857	1380	1601	
22 APR 2017		1530	1008	247	
21 APR 2017		600	28	240	
20 APR 2017		394	32	17	
19 APR 2017		****	121	137	
18 APR 2017		1423	464	529	
17 APR 2017		1896	999	813	
	S-310	S-351	S-352	S-354	L8 Canal Pt
	Discharge	Discharge	Discharge	Discharge	
	(ALL DAY)	(ALL DAY)	(ALL DAY)	(ALL DAY)	(ALL DAY)
DATE	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)
30 APR 2017		1999	178	845	-243
29 APR 2017		1927	18	1350	-218
28 APR 2017		1529	0	1868	-203
27 APR 2017		242	0	1801	-171
26 APR 2017		50	0	1624	-34
25 APR 2017		99	436	1479	69
24 APR 2017		0	0	494	-260
23 APR 2017	7 7	773	512	59	-230
22 APR 2017	7 86	1862	1327	591	-90
21 APR 2017	7 73	2419	1372	1616	-71
20 APR 2017	7 40	2477	1370	1674	-129
19 APR 2017	7 34	2699	1388	1816	-257
18 APR 2017	7 86	2737	1396	1666	-242
17 APR 2017	7 113	2407	1281	1354	-260
	S-308	Below S-308	3 S-80		
	Discharge	Discharge	Discharge	2	
	(ALL DAY)	(ALL-DAY)	(ALL-DAY)	1	
DATE	(AC-FT)	(AC-FT)	(AC-FT)		
30 APR 2017	7 598	735	37		
29 APR 2017	7 550	660	53		
28 APR 2017	7 624	583	50		
27 APR 2017	7 622	338	37		
26 APR 2017	7 1	269	39		
25 APR 2017	7 542	-197	47		
24 APR 2017	7 2058	-162	41		
23 APR 2017		-97	36		
22 APR 2017		406	64		
21 APR 2017	7 2804	592	48		

20	APR	2017	3161	390	43
19	APR	2017	2035	291	35
18	APR	2017	-NR-	569	45
17	APR	2017	-NR-	572	43

\*\*\* NOTE:

Discharge (ALL DAY) is computed using Spillway, Sector Gate

and

Lockages Discharges from 0015 hrs to 2400 hrs.

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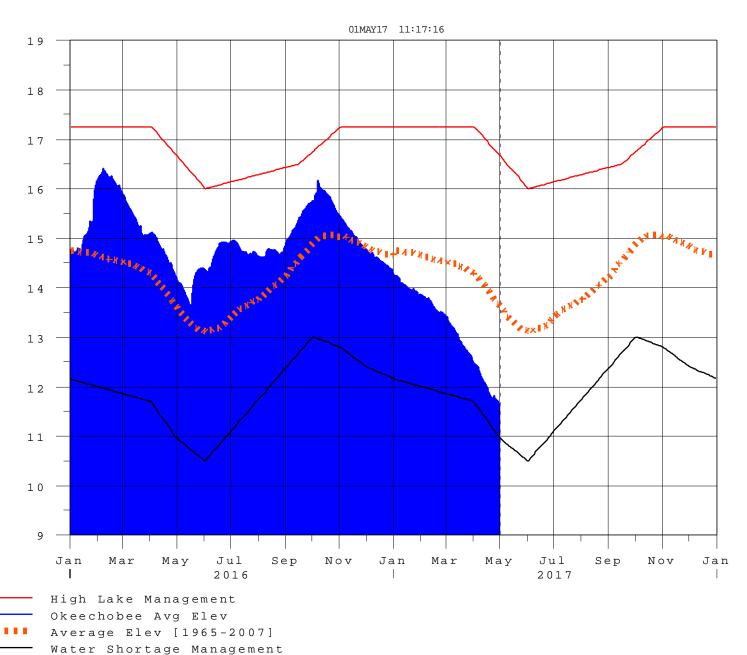
(I) - Flows preceded by "I" signify an instantaneous flow computed from the single value reported for the day

- \* 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, Lake Okeechobee Elevation was switched to a 9 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 restrictions

please refer to www.sfwmd.gov

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Report Generated 01MAY2017 @ 11:15 \*\* 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

• 6-15 Day Precipitation Outlook Categories

Table ?? in the Lake Okeechobee Water Control Plan

• Classification of Lake Okeechobee Net Inflow for Seasonal

### Outlook

Table K-3 in the Lake Okeechobee Water Control Plan

Classification of Lake Okeechobee Net Inflow for Multi-

### Seasonal Outlook

Table K-4 in the Lake Okeechobee Water Control Plan

### **Back to Lake Okeechobee Operations Main Page**

Back to U.S. Army Corps of Engineers Lake Okeechobee Operations Homepage

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

<sup>\*</sup> 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
	20003	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

<sup>\*\*</sup>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
		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

<sup>\*\*</sup>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

<sup>\*</sup> Corresponds to Table 7-6 in the Lake Okeechobee Water Control Plan

**Under Construction**