# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 6/26/2017 (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		oley's ethod <sup>1*</sup>	SFWMD Empirical Method <sup>2</sup>		Empirical Neutral ENSO		Sub-sampling of AMO Warm + Neutral ENSO Years <sup>4</sup>	
	Value (ft)	Condition	Value (ft)	Condition	Value (ft)	Condition	Value (ft)	Condition
Current (Jun- Nov)	N/A	N/A	3.29	Very Wet	3.68	Very Wet	4.53	Very Wet
Multi Seasonal (Jun-Apr)	N/A	N/A	3.64	Wet	4.23	Wet	4.85	Very 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:**

**5546 cfs** 14-day running average for Lake Okeechobee Net Inflow through 6/26/2017. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Wet.

**-1.87** for Palmer Index on 6/24/2017.

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

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

### **LORS2008 Classification Tables:**

### Lake Okeechobee Stage on 6/26/2017

Lake Okeechobee Stage: 12.28 feet

**USACE** Report for Lake Okeechobee

Lake Okeechobee Stage Hydrograph

Lake Okeechob	ee Management	Bottom Elevation	Current
Zone	/Band	(feet, NGVD)	Lake Stage
High Loke Money	oment Band	16.12	
High Lake Manage	ement band	10.12	
	High sub-band	15.65	
Operational Band	Intermediate sub-band	15.18	
	Low sub-band	13.23	
Base Flow sub-ba	nd	12.60	
Beneficial Use sub	o-band	11.01	← 12.28
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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**Back to U.S. Army Corps of Engineers LORSS Homepage** 

#### LORS2008 Implementation on 6/26/2017 (ENSO Neutral Condition):

#### Status for week ending 6/26/2017:

District wide, Raindar rainfall was 0.62 inches for the week. Lake stage on 6/26/2017 was 12.28 ft, up 0.24 ft from last week.

The updated June 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 **Wet**. The PDSI indicates dry condition and the LONIN is Wet. The classification is based on the wetter of the two.

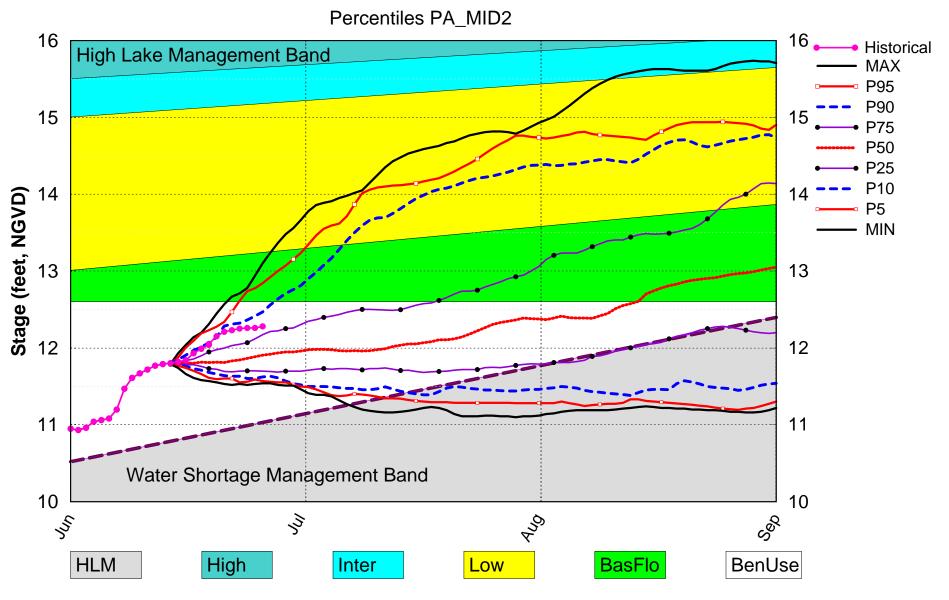
Water Supply Risk Evaluation

Area	Indicator	Value	Color Coded Scoring Scheme
	Projected LOK Stage for the next two months	Beneficial Use Sub Band	M
	Palmer Index for LOK Tributary Conditions	-1.87 (Dry)	M
	CPC Procinitation Outlook	1 month: Normal	L
LOK	CPC Precipitation Outlook	3 months: Normal	L
	LOK Seasonal Net Inflow Outlook ENSO La Nina Years	3.68 ft (Normal)	L
	LOK Multi-Seasonal Net Inflow Outlook	4.23 ft (Wet)	L
	ENSO La Nina Years		
	WCA 1: Site 1-7, Site 1-8T, & Site 1-9 Average	Above Line 1 (16.55 ft)	L
WCAs	WCA 2A: Site 2-17 HW	Above Line 1 (14.20 ft)	L
	WCA-3A: 3 Station Average (Site 63, 64 and 65)	Above Line 1 (11.17 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.

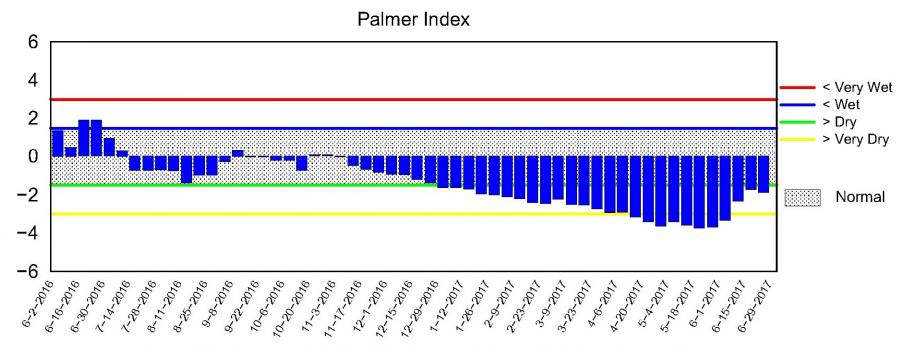
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# Lake Okeechobee SFWMM June 14, 2017 Position Analysis

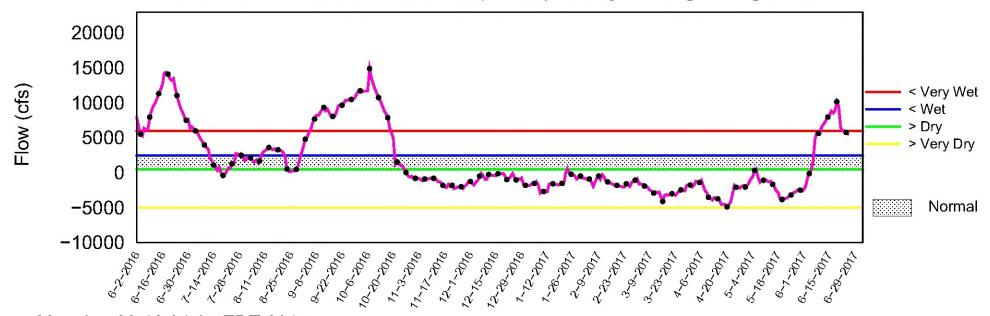


(See assumptions on the Position Analysis Results website)

# Tributary Basin Condition Indicators as of June 26 2017

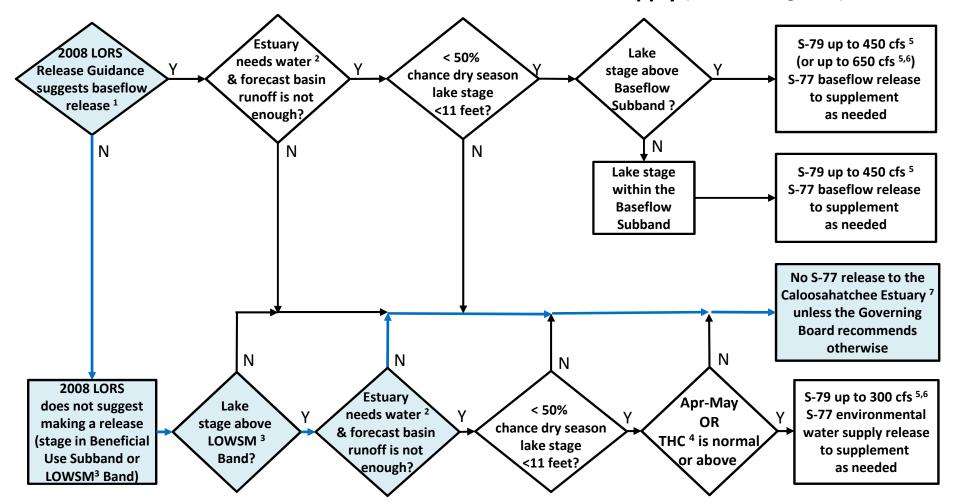


Lake Okeechobee Net Inflow (LONIN) 14-day Running Average



Mon Jun 26 16:01:05 EDT 2017

### 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.

Lake Okeechobee Water Level History and Projected Stages 19.0 12.30 ft, NGVD 19.0 S-77 (3000 cfs for 7 days) S-79 (21-day transitional release) 27-June-2017 Starting: 1-July Starting: 28-Oct S-77 (2800 cfs for 7 days) HIGH LAKE 18.0 18.0 Starting: 15-Jul, 5-Aug, 16-Sep MANAGEMENT S-77 (4000 cfs for 7 days) BAND Starting: 23-Sep S-79 (650 cfs for 7 days) 17.0 S-79 (3000 cfs for 7 days 17.0 Starting: 11,18,25-Nov; Starting: 21-9ct 2,9,16-Dec 16.0 HIGH 16.0 INTERMEDIATE S-79 (450 cfs for 7 days) 15.0 15.0 Starting: 31-Mar; 7-Apr Water Level (ft, NGVD) S-79 (300 cfs for 7 days) Starting: 14,21,28-Apr; 5,12-May 14.0 14.0 S-79 (375 cfs for 7 days) Starting: 19, 26-May; S-80 (0 cfs) 50% Starting: 4,11,18,25-Nov; 13.0 13.0 BASE FLOW 9,16-Dec S-80 Q1-day transitional release) Starting: 28-Oct **BENEFICIAL USE** S-80 (1170 cfs for 7 days 12.0 12.0 5-80 (0 cfs) Starting: 21-Oct WATER SHORTAGE Starting: 31 Max: MANAGEMENT S-80 (1800 cfs for 7 days) 19, 26-May; 2-Jul 11.0 Starting: 23-Sep LEGEND 11.0 Lake Release Color Code S-80 (1170 cfs for 7 days) Min S80 & S77 max practicable Starting: 16-Sep S80 < 2,800 cfs; S77 < 6,500 cfs 10.0 10.0 S80 < 1,800 cfs; S77 < 4,000 cfs S-80 (650 cfs for 7 days) S80 < 1,170 cfs; S79 < 3000 cfs Starting: 15-July, 5-Aug Baseflow S80 < 200 cfs; S79 < 450 cfs 9.0 9.0 -S-80 (1170 cfs for 7 days) No Regulatory Release From Lake Starting: 1-July Environmental WS Release Regulatory Release to WCAs 8.0 8.0 Jul-2017 Jul-2016 Jan-2017 Jan-2018 Jul-2018 LORS-2008 Projected Stage Percentiles From Adopted by USACE 28-April-2008 SFWMD-HESM Position Analysis

#### 

Data Ending 2400 hours 25 JUN 2017

Okeechobee Lake	Regulation			ear 2YRS Ago VD) (ft-NGVD	
	ı Lake Mngı		3 14.9 of Water Sh	91 12.29 (	Official Elv
Simulated Aver Difference fro		008 [1965-2000] LORS2008	12.16 0.12		
25JUN (1965-20 Difference fro		d of Record Ave rage	erage 13.		
Today Lake Oke stations	eechobee e	levation is det	cermined fro	om the 4 Int	& 4 Edge
	epth (Base	ed on 2007 Char	nnel Condit	ion Survey) R	oute 1 ÷
6.22'	onth (Bag	ed on 2008 Char	nnol Condit:	ion Currorry D	011+0 2 :
++Navigation i 4.42'	eptii (Basi	ed on 2006 Char	mer condit.	ion Survey) R	oute 2 ÷
Bridge Clearan	ace = 50.8	0 '			
-					
1 Interior and 1	I Edgo Oko	oghoboo Tako Ar	romago (Arro-	-Dailw walned	١.
4 Interior and 4	Edge Oke	echobee Lake Av	verage (Avg-	-Daily values	):
4 Interior and 4			verage (Avg- 52 S308	-Daily values S133	):
L001 L005		40 S4 S35		S133	):
L001 L005	L006 LZ	40 S4 S35	52 S308	S133	):
L001 L005 12.18 12.35	L006 LZ 12.27 12	40 S4 S35 .25 12.34 12	52 S308 .39 12.19	S133 12.25	):
L001 L005	L006 LZ 12.27 12	40 S4 S35 .25 12.34 12	52 S308 .39 12.19	\$133 12.25	):
L001 L005 12.18 12.35	L006 LZ 12.27 12	40 S4 S35 .25 12.34 12	52 S308 .39 12.19	S133 12.25	):
L001 L005 12.18 12.35	L006 LZ 12.27 12	40 S4 S35 .25 12.34 12	52 S308 .39 12.19	\$133 12.25	):
L001 L005 12.18 12.35 *Combination Ok	L006 LZ 12.27 12 teechobee	40 S4 S35 .25 12.34 12	52 S308 .39 12.19	\$133 12.25	):
L001 L005 12.18 12.35  *Combination Ok  - Okeechobee Inflo	L006 LZ- 12.27 12 ceechobee	40 S4 S35 .25 12.34 12 Avg-Daily Lake	52 S308 .39 12.19 e Average =	S133 12.25 12.28 (*See Note)	
L001 L005 12.18 12.35  *Combination Ok  - Okeechobee Inflo	L006 LZ 12.27 12 teechobee	40 S4 S35 .25 12.34 12 Avg-Daily Lake	52 S308 .39 12.19 e Average =	\$133 12.25 12.28 (*See Note)	Cr 1031
L001 L005 12.18 12.35  *Combination Ok  - Okeechobee Inflo S65E S154	L006 LZ. 12.27 12  teechobee  ows (cfs): 0 0	40 S4 S35 .25 12.34 12 Avg-Daily Lake	52 S308 .39 12.19 e Average =	S133 12.25  12.28 (*See Note)  Fisheating S135 Pumps	Cr 1031
L001 L005 12.18 12.35  *Combination Ok  - Okeechobee Inflo	L006 LZ 12.27 12 teechobee	40 S4 S35 .25 12.34 12 Avg-Daily Lake	52 S308 .39 12.19 e Average =	\$133 12.25 12.28 (*See Note)	Cr 1031
L001 L005 12.18 12.35  *Combination Ok  - Okeechobee Inflo S65E S154 S84	L006 LZ 12.27 12 teechobee	40 S4 S35 .25 12.34 12 Avg-Daily Lake S65EX1 S191 S133 Pumps	52 S308 .39 12.19 e Average =	S133 12.25  12.28 (*See Note)  Fisheating S135 Pumps S2 Pumps	Cr 1031 0 1713
L001 L005 12.18 12.35  *Combination Ok  Combination Ok  Combin	L006 LZ. 12.27 12  teechobee  ows (cfs): 0 0 65 0	40 S4 S35 .25 12.34 12  Avg-Daily Lake  S65EX1 S191 S133 Pumps S127 Pumps	52 S308 .39 12.19 e Average = 1577 0 0	S133 12.25  12.28 (*See Note)  Fisheating S135 Pumps S2 Pumps S3 Pumps	Cr 1031 0 1713
L001 L005 12.18 12.35  *Combination Ok  Combination Ok  Combin	L006 LZ. 12.27 12  ceechobee  ows (cfs): 0 0 65 0 0	40 S4 S35 .25 12.34 12  Avg-Daily Lake  S65EX1 S191 S133 Pumps S127 Pumps S129 Pumps	52 S308 .39 12.19 e Average = 1577 0 0 0	S133 12.25  12.28 (*See Note)  Fisheating S135 Pumps S2 Pumps S3 Pumps S4 Pumps	Cr 1031 0 1713 0
L001 L005 12.18 12.35  *Combination Ok	L006 LZ. 12.27 12  teechobee  ows (cfs): 0 0 65 0 0 67 4453	Avg-Daily Lake  S65EX1 S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps	52 S308 .39 12.19 e Average = 1577 0 0 0	S133 12.25  12.28 (*See Note)  Fisheating S135 Pumps S2 Pumps S3 Pumps S4 Pumps	Cr 1031 0 1713 0
L001 L005 12.18 12.35  *Combination Ok  - Okeechobee Inflo S65E S154 S84 S84X S71 S72 Total Inflows: Okeechobee Outfl	L006 LZ. 12.27 12  teechobee  ows (cfs): 0 0 65 0 0 67 4453	Avg-Daily Lake  S65EX1 S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps	52 S308 .39 12.19 e Average = 1577 0 0 0 0	S133 12.25  12.28 (*See Note)  Fisheating S135 Pumps S2 Pumps S2 Pumps S3 Pumps S4 Pumps C5	Cr 1031 0 1713 0 0
L001 L005 12.18 12.35  *Combination Ok	L006 LZ. 12.27 12  teechobee  ows (cfs): 0 0 65 0 0 67 4453	Avg-Daily Lake  S65EX1 S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps : S354	52 S308 .39 12.19 e Average = 1577 0 0 0 0	S133 12.25  12.28 (*See Note)  Fisheating S135 Pumps S2 Pumps S2 Pumps S3 Pumps S4 Pumps C5	Cr 1031 0 1713 0 0
L001 L005 12.18 12.35  *Combination Ok  - Okeechobee Inflo S65E S154 S84 S84X S71 S72 Total Inflows: Okeechobee Outfl S135 Culverts	L006 LZ. 12.27 12  Deechobee  DWS (cfs): 0 0 65 0 0 67 4453  DWS (cfs) 0	Avg-Daily Lake  S65EX1 S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps S131 Pumps	52 S308 .39 12.19 e Average = 1577 0 0 0 0	S133 12.25  12.28 (*See Note)  Fisheating S135 Pumps S2 Pumps S2 Pumps S3 Pumps S4 Pumps C5	Cr 1031 0 1713 0 0
*Combination Ok  *Combination Ok  -  Okeechobee Inflo S65E S154 S84 S84X S71 S72 Total Inflows:  Okeechobee Outfl S135 Culverts S127 Culverts	L006 LZ. 12.27 12  Deechobee  DWS (cfs): 0 0 65 0 0 67 4453  DWS (cfs) 0 6	Avg-Daily Lake  S65EX1 S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps : S354	52 S308 .39 12.19 e Average = 1577 0 0 0 0 0	S133 12.25  12.28 (*See Note)  Fisheating S135 Pumps S2 Pumps S2 Pumps S3 Pumps S4 Pumps C5	Cr 1031 0 1713 0 0

\*\*\*\*S308 structure flow is being used to compute Total Outflow. Okeechobee Pan Evaporation (inches): 0.24 S308 S77 0.18 Average Pan Evap x 0.75 Pan Coefficient = 0.16" = 0.01' Lake Average Precipitation using NEXRAD: = 0.21" = 0.02' Evaporation - Precipitation: = -0.05" = -0.00'Evaporation - Precipitation using Lake Area of 730 square miles is equal to 1031 cfs into the lake. Lake Okeechobee (Change in Storage) Flow is 3933 cfs or 7800 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) 12.16 S133 Pumps: 13.34 S193: S191: 18.96 12.14 0 0.0 0.0 0.0 S135 Pumps: 13.40 0 -NR- -NR- -NR- -NR-12.15 (cfs) 0.0 0.0 S135 Culverts: 0 North West Shore 0 0.0 -0.0 0.0 0.0 -0.0 0.0 S65E: 21.04 12.16 S65EX1: 21.04 12.16 1577 S127 Pumps: 13.29 12.43 0 0 0 0 0 (cfs) 0 S127 Culvert: 6 0.5 S129 Pumps: \_\_\_\_\_ 0 -NR-0 0 0 (cfs) S129 Culvert: 0 -NR-S131 Pumps: 12.79 0 0 0 12.63 (cfs) S131 Culvert: 12 Fisheating Creek 32.78 1031 nr Palmdale nr Lakeport C5: -NR-0 -NR- -NR- -NR-South Shore

S4 Pumps: 12.37 12.30 0 0 0

(cfs)

\*\*\*\*S77 structure flow is being used to compute Total Outflow.

```
      S169:
      12.32
      12.34
      -51
      5.0
      5.0
      5.0

      S310:
      12.27
      -39

 S310. 12.27 -39
S3 Pumps: 10.16 12.20 0 0 0 0
S354: 12.20 10.16 0 0.0 0.0
S2 Pumps: 9.66 12.27 1713 0 0 996 709
S351: 12.27 9.66 169 0.9 0.8 0 9
                                                    (cfs)
                                                             (cfs)
 S352: 12.44
C10A: -NR-
                               0 0.0 0.0
                       9.86
                                     8.0 8.0 8.0 0.0 0.0
                     12.68
                      12.48 -340
 L8 Canal PT
                S351 and S352 Temporary Pumps/S354 Spillway
                     12.27 169 -NR--NR--NR--NR--NR-
12.44 0 -NR--NR--NR-
12.20 0 -NR--NR--NR-
             9.66
 S352:
             9.86
 S354:
             10.16
Caloosahatchee River (S77, S78, S79)
 S47B: 13.42 10.78
                                     0.0 0.5
 S47D:
             10.88
                      10.87
                               59 6.2
 S77:
  Spillway and Sector Flow:
             12.39 10.97 0.00 0.0 0.0 0.0 0.0
   Flow Due to Lockages+:
                                2
 S77 Below USGS Flow Gage
                               -74
 S78:
   Spillway and Sector Flow:
             10.78 2.54
                                588 0.0 0.0 0.0 0.0
  Flow Due to Lockages+:
                                12
 S79:
   Spillway and Sector Flow:
     3.07 1.00 1811 0.0 0.0 1.0 1.0 1.0 0.0 0.0
0.0
   Flow Due to Lockages+:
   Percent of flow from S77
                                 0%
              (ppm) 59
   Chloride
St. Lucie Canal (S308, S80)
 S308:
   Spillway and Sector Flow:
             Flow Due to Lockages+: -2
 ____ USGS Flow Gage -500
S153: 18.67 12.47 387
S80:
                               387 1.6 1.1
   Spillway and Sector Flow:
             Flow Due to Lockages+:
   Percent of flow from S308 NA %
 Steele Point Top Salinity (mg/ml) ****
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Steele Point Bottom Salinity (mg/ml) ****

Speedy Point Top Salinity (mg/ml) 8816

Speedy Point Bottom Salinity (mg/ml) ****
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+ 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)	(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	0.48	208	0
S78:	0.01	0.01	0.64	172	1
S79:	0.00	0.16	2.08	335	1
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:	0.81	0.81	1.15	117	4
S80:	0.00	0.00	0.01	161	2
Okeechobee Average	0.41	0.06	0.13		
(Sites S78, S79 and	S80 not inc	cluded)			
Oke Nexrad Basin Avg	0.21	0.22	0.88		

- Dkeechobee Lake Elevations	25 JUN 2017	12.28 Differe	ence from
SJUN17	25 00N 2017	12.20 DILLCI	circe from
25JUN17 -1 Day =	24 JUN 2017	12.26	-0.02
25JUN17 -2 Days =	23 JUN 2017	12.26	-0.02
25JUN17 -3 Days =	22 JUN 2017	12.25	-0.03
25JUN17 -4 Days =	21 JUN 2017	12.23	-0.05
25JUN17 -5 Days =	20 JUN 2017	12.21	-0.07
25JUN17 -6 Days =	19 JUN 2017	12.15	-0.13
25JUN17 -7 Days =	18 JUN 2017	12.05	-0.23
25JUN17 -30 Days =	26 MAY 2017	11.09	-1.19
25JUN17 -1 Year =	25 JUN 2016	14.91	2.63
25JUN17 - 2 Year =	25 JUN 2015	12.29	0.01

Long Term Mean 30day Avearge ET for Lake Alfred (Inches) = 4.74

				Take (	)kaa	ahohaa	Not Inflo	ow (LONIN)	
		;	Δτε				previous		Avg-Daily Flo
25JUN17		Today		_		2017	6855	MON	4101
25JUN17		Day				2017	7210	SUN	0
25JUN17		Days				2017	7848	SAT	1966
25JUN17		Days				2017	8463	FRI	3933
25JUN17		Days		21	JUN	2017	9994	THU	3933
25JUN17		Days				2017	13177	WED	11545
25JUN17		Days				2017	13872	TUE	19410
25JUN17		Days		18	JUN	2017	12759	MON	11646
25JUN17		Days		17	JUN	2017	12209	SUN	10890
25JUN17	-9	Days	=	16	JUN	2017	12437	SAT	16033
25JUN17	-10	Days	=	15	JUN	2017	11698	FRI	3529
25JUN17	-11	Days	=	14	JUN	2017	11363	THU	3529
25JUN17	-12	Days	=	13	JUN	2017	10819	WED	1822
25JUN17	-13	Days	=	12	JUN	2017	10351	TUE	3630
						55E			
							previous	14 days	Avg-Daily Flo
O E TTT3 T 1 D		Toda	_	_		2017	0	MON	0
25JUN17	-1	Day				2017	0	SUN	0
25JUN17 25JUN17		Days		_		2017	0	SAT	0
25JUN17 25JUN17				22	TTTTT	2017	^	FRI	0
25JUN17 25JUN17 25JUN17	-3	Days					0		0
25JUN17 25JUN17	-3 -4	Days	=	21	JUN	2017	0	THU	•
25JUN17 25JUN17 25JUN17 25JUN17 25JUN17	-3 -4 -5	Days Days	=	21 20	JUN JUN	2017 2017	0	WED	0
25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17	-3 -4 -5 -6	Days Days Days	= = =	21 20 19	JUN JUN JUN	2017 2017 2017	0 0	WED TUE	0
25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17	-3 -4 -5 -6 -7	Days Days Days Days	= = = =	21 20 19 18	JUN JUN JUN JUN	2017 2017 2017 2017	0 0 0 0	WED TUE MON	0 0 0
25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17	-3 -4 -5 -6 -7	Days Days Days Days Days	= = = =	21 20 19 18 17	JUN JUN JUN JUN JUN	2017 2017 2017 2017 2017	0 0 0 1 1	WED TUE MON SUN	0 0 0 0
25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17	-3 -4 -5 -6 -7 -8	Days Days Days Days Days Days	= = = = =	21 20 19 18 17 16	JUN JUN JUN JUN JUN JUN	2017 2017 2017 2017 2017 2017	0 0 0 1 1	WED TUE MON SUN SAT	0 0 0 0
25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17	-3 -4 -5 -6 -7 -8 -9	Days Days Days Days Days Days	= = = = = =	21 20 19 18 17 16	JUN JUN JUN JUN JUN JUN JUN	2017 2017 2017 2017 2017 2017 2017	0 0 0 1 1 1	WED TUE MON SUN SAT FRI	0 0 0 0 0
25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17	-3 -4 -5 -6 -7 -8 -9 -10	Days Days Days Days Days Days Days Days	= = = = = = =	21 20 19 18 17 16 15	JUN	2017 2017 2017 2017 2017 2017 2017 2017	0 0 0 1 1 1 1	WED TUE MON SUN SAT FRI THU	0 0 0 0 0 0
25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17 25JUN17	-3 -4 -5 -6 -7 -8 -9 -10 -11	Days Days Days Days Days Days Days Days	= = = = = = =	21 20 19 18 17 16 15 14	JUN	2017 2017 2017 2017 2017 2017 2017	0 0 0 1 1 1	WED TUE MON SUN SAT FRI	0 0 0 0 0

					SE	55EX1					
				Average	Flow	v over	previous	14 days		Avg-Daily	Flow
25JUN17		Today	<i>7</i> =	25	JUN	2017	1048	MON		1577	
25JUN17	-1	Day	=	24	JUN	2017	972	SUN		1563	
25JUN17	-2	Days	=	23	JUN	2017	890	SAT	ĺ	1447	
25JUN17	-3	Days	=	22	JUN	2017	811	FRI	ĺ	1466	
25JUN17	-4	Days	=	21	JUN	2017	735	THU	ĺ	1431	
25JUN17	-5	Days	=	20	JUN	2017	659	WED	ĺ	1367	
25JUN17	-6	Days	=	19	JUN	2017	578	TUE	ĺ	1348	
25JUN17	-7	Days	=	18	JUN	2017	492	MON	ĺ	1250	
25JUN17	-8	Days	=	17	JUN	2017	417	SUN	j	1026	
25JUN17	-9	Days	=	16	JUN	2017	360	SAT	j	763	
25JUN17	-10	Days	=	15	JUN	2017	336	FRI	j	367	
25JUN17	-11	Days	=	14	JUN	2017	316	THU	ĺ	279	
25JUN17	-12	Days	=	13	JUN	2017	303	WED	j	329	

\_ 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)	
25 JUN 201		-146	1182	3532	
24 JUN 201	7 6	-225	1776	4836	
23 JUN 201		-105	1785	4469	
22 JUN 201		-175	1772	6139	
21 JUN 201		-7	2432	6625	
20 JUN 201		-48	3034	8323	
19 JUN 201		-149	1931	8276	
18 JUN 201		-113	2449	6873	
17 JUN 201		-127	4080	12069	
16 JUN 201		-123	3306	11925	
15 JUN 201		-116	3289	8565	
14 JUN 201		-227	3305	7436	
13 JUN 201		-360	3252	7477	
12 JUN 201		-212	4109	7738	
	S-310	S-351	S-352	S-354	L8 Canal Pt
	Discharge	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)
25 JUN 201		-1624	0	0	-675
24 JUN 201		0	0	0	-464
23 JUN 201		0	0	0	-660
22 JUN 201		0	0	0	-835
21 JUN 201		0	0	0	-857
20 JUN 201		0	0	0	-1015
19 JUN 201		0	0	0	-742
18 JUN 201		0	0	0	-783
17 JUN 201		0	0	0	-808
16 JUN 201		0	0	0	-809
15 JUN 201		0	0	0	-729
14 JUN 201		0	0	0	-577
13 JUN 201		4	0	0	-697
12 JUN 201		-178	0	-246	-902
	S-308	Below S-308	3 S-80		
	Discharge	Discharge	Discharge	2	
	(ALL DAY)	(ALL-DAY)	(ALL-DAY)		
DATE	(AC-FT)	(AC-FT)	(AC-FT)		
25 JUN 201		-991	42		
24 JUN 201		-1000	46		
23 JUN 201		-1246	40		
22 JUN 201		-1343	63		
21 JUN 201		-2041	48		
20 JUN 201		-3397	37		
19 JUN 201		-2361	36		
18 JUN 201		-2424	33		
17 JUN 201		-2070	53		
16 JUN 201		-1916	36		

15	JUN	2017	-1111	-958	36
14	JUN	2017	-361	-291	28
13	JUN	2017	-810	-868	35
12	JUN	2017	-621	-357	41

\*\*\* NOTE:

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

and

Lockages Discharges from 0015 hrs to 2400 hrs.

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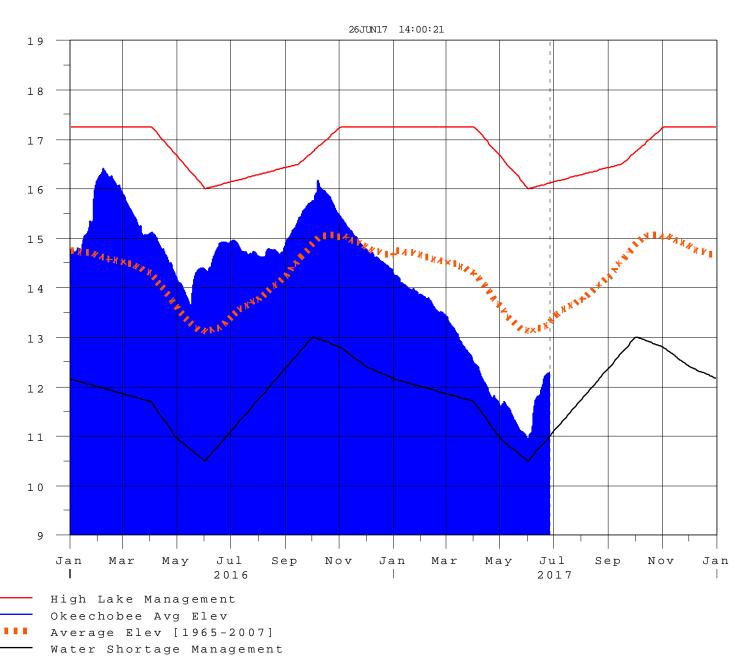
(I) - Flows preceded by "I" signify an instantaneous flow computed from the single value reported for the day

- \* 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

Report Generated 26JUN2017 @ 13:38 \*\* 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**