# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 12/4/2017 (ENSO La Nina 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 La Nina 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		roley's ethod <sup>1*</sup>	SFWMD Empirical Method <sup>2</sup>		Neutr	ampling of al ENSO ears <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 (Dec- May)	N/A	N/A	0.16	Dry	-0.16	Dry	-0.35	Dry	
Multi Seasonal (Dec- Oct)	N/A	N/A	2.52	Wet	2.58	Wet	2.15	Normal	

<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.

\*\*Sub-sampling is a weighted average of ENSO conditions based on the ENSO forecast used.

### **Tributary Hydrologic Conditions Graph:**

**-931 cfs** 14-day running average for Lake Okeechobee Net Inflow through 12/3/2017. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Dry.

1.52 for Palmer Index on 12/2/2017.

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

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

## **LORS2008 Classification Tables:**

## Lake Okeechobee Stage on 12/4/2017

Lake Okeechobee Stage: 15.94 feet

**USACE** Report for Lake Okeechobee

Lake Okeechobee Stage Hydrograph

	ee Management	Bottom Elevation	Current
Zone	/Band	(feet, NGVD)	Lake Stage
High Lake Manage	ement Band	17.25	
On and the sale	High sub-band	16.88	
Operational Band	Intermediate sub-band	16.25	
	Low sub-band	14.45	← 15.94
Base Flow sub-ba	nd	12.72	
Beneficial Use sub	o-band	12.38	
Water Shortage M	lanagement Band		

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

Release Guidance Flow Chart Outcome: Up to maximum practicable releases to the WCAs if desirable or with minimum everglades impacts, otherwise no releases.

## Part D of LORS2008: Discharge to Tidewater

Release Guidance Flow Chart Outcome: S-77 Up to 3000 cfs & S-80 Up to 1170 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
- Environmental Conditions for Systems Operations

**Back to Lake Okeechobee Operations Main Page** 

Back to U.S. Army Corps of Engineers LORSS Homepage

#### LORS2008 Implementation on 12/4/2017 (ENSO Neutral Condition):

#### Status for week ending 12/4/2017:

District wide, Raindar rainfall was 0.24 inches for the week. Lake stage on 12/4/2017 was 15.98 ft, down 0.28 ft from last week.

The updated Mid-November 2017 SFWMM Dynamic Position Analysis <u>percentile graph</u> for Lake Okeechobee show that the current lake stage is in the Low Operational Sub-Band. The 2008 LORS Tributary Hydrologic Condition (THC) tributary is classified as **Wet**. The PDSI indicates Wet condition and the LONIN is Dry. The THC classification is based on the wetter of the two <u>indices</u>.

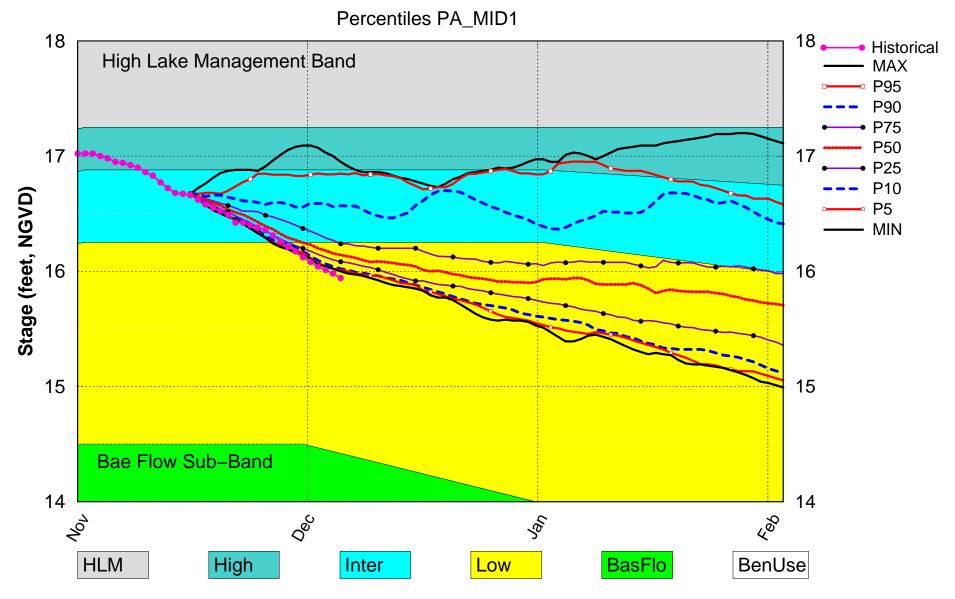
Water Supply Risk Evaluation

Area	Indicator	Value	Color Coded Scoring Scheme
	Projected LOK Stage for the next two months	Low Sub Band	M
	Palmer Index for LOK Tributary Conditions	1.52 (Normal)	L
	CPC Precipitation Outlook	1 month: Normal	L
LOK	CFC Frecipitation Outlook	3 months: Below Normal	M
	LOK Seasonal Net Inflow Outlook ENSO La Nina Years	-0.16 ft (Normal)	Н
	LOK Multi-Seasonal Net Inflow Outlook	2.58 ft (Normal)	M
	ENSO La Nina Years		
	WCA 1: Site 1-7, Site 1-8T, & Site 1-9 Average	Above Line 1 (17.52 ft)	L
WCAs	WCA 2A: Site 2-17 HW	Above Line 1 (13.39 ft)	L
	WCA-3A: 3 Station Average (Site 63, 64 and 65)	Above Line 1 (11.33 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.

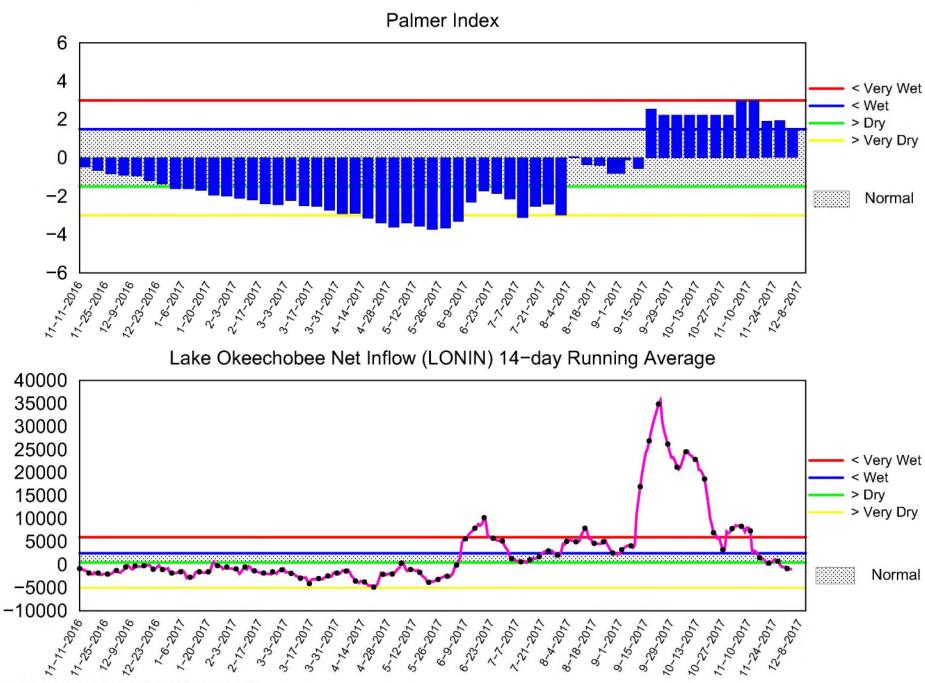
Back to Lake Okeechobee Operations Main Page
Back to U.S. Army Corps of Engineers LORSS Homepage

# Lake Okeechobee SFWMM November 15 2017 Position Analysis



(See assumptions on the Position Analysis Results website)

# Tributary Basin Condition Indicators as of December 4 2017

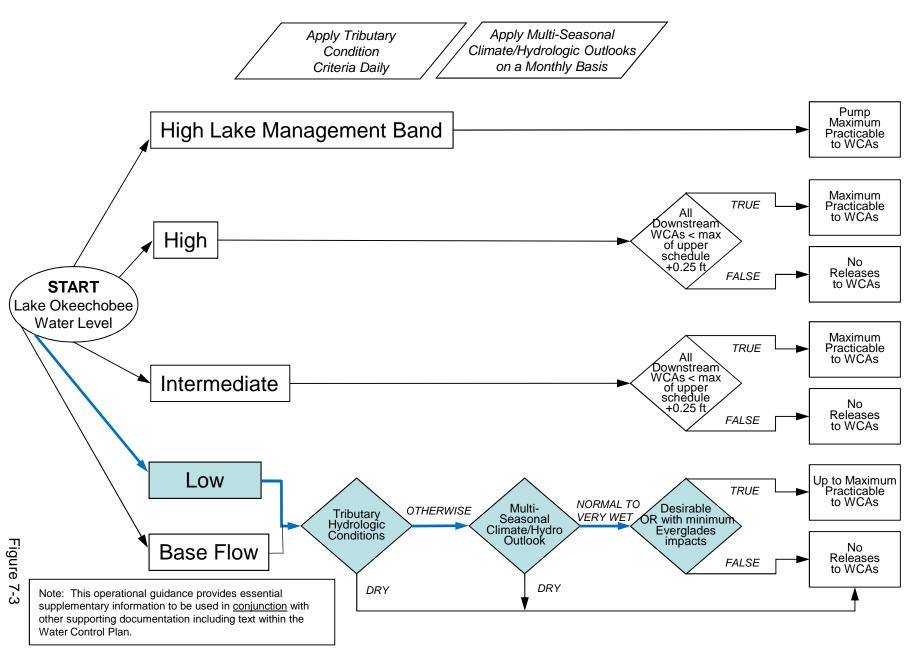


-low (cfs)

Mon Dec 04 17:14:07 EST 2017

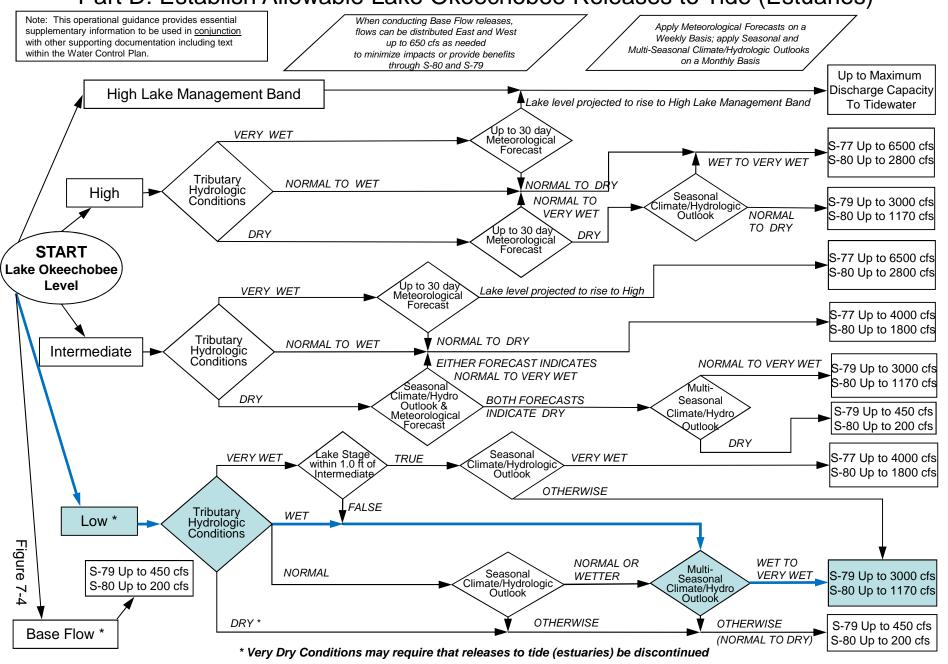
## **2008 LORS**

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



## **2008 LORS**

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



Lake Okeechobee Water Level History and Projected Stages 19.0 15.94 ft, NGVD 19.0 S-77 (3000 cfs for 7 days) S-79 (21-day transitional release) 5-December-2017 S-77 (6500 cfs) S-77 (4000 cfs) Starting: 1-July Starting: 28-Oct Starting: 17-Nov Starting: 1-Dec 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 Max: Starting: 23-Sep S-79 (650 cfs for 7 days 17.0 S-79 (3000 cfs for 7 days 17.0 5-77 (max cfs) Starting: 11,18,25-Nov; Starting: 21-0ct Starting: 19-Sep 2,9,16-Dec S-79 (450 c) for 7 days) Starting: 31-Mar;7 16.0 HIGH 16.0 S-79 (300 cfs for 7 days) INTERMEDIATE Starting: 14,21,28-Apr; 5,12-May 15.0 5-79 (375 efs for 7 days) 15.0 Water Level (ft, NGVD) Starting: 19, 26-May; 2-Jun S-77 (4000 cfs) S-77 (Ocfs) Starting: 5-Sep 14.0 14.0 Starting: 9, 16, 23, 30-Jun; S-80 (0 cfs) S-80 (1800 cfs) Starting: 4,11,18,25-Nov; 13.0 13.0 Starting: 1-Dec 28-Jul; BASE FLOW S-80 Q1-day transitional release) S-80 (2800 cfs) Starting: 28-Oct 25-Aug **BENEFICIAL USE** S-80 (1800 cfs) Starting: 17-Nov S-80 (1170 cfs for 7 days 12.0 12.0 5-80 (0 cfs) Starting: 5-Sep Starting: 21-Oct WATER SHORTAGE Starting: 31 Max S-308 (max cfs) MANAGEMENT S-80 (1800 cfs for 7 days) 19, 26-May; 2-Jul Starting: 15-Sep 11.0 Starting: 23-Sep LEGEND 11.0 Lake Release Color Code S-80 (1170 cfs for 7 days) S80 & S77 max practicable Starting: 16-Sep S-80 (0 cfs) S80 < 2,800 cfs; S77 < 6,500 cfs 10.0 10.0 Starting: 9, 16, S80 < 1,800 cfs; S77 < 4,000 cfs S-80 (650 cfs for 7 days) 23, 30-Jun; S80 < 1,170 cfs; S79 < 3000 cfs Starting: 15-July, 5-Aug 7, 14, 21, 28-Jul; Baseflow S80 < 200 cfs; S79 < 450 cfs 9.0 9.0 -S-80 (1170 cfs for 7 days) 4, 11, 18, 25-Aug No Regulatory Release From Lake Starting: 1-July Environmental WS Release Regulatory Release to WCAs 8.0 8.0 Jul-2016 Jan-2017 Jul-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 03 DEC 2017

Okeechobee Lake		(ft-NGVD)	(ft-NGV)	O) (ft-NGVD)	
	n Lake Mngm	on 15.98 t= 17.25 Top o Management Bar	of Water Sho	0 14.50 (Of ort Mngmt= 12.	
Simulated Aver Difference fro		08 [1965-2000] LORS2008	13.74 2.24		
03DEC (1965-20 Difference fro		of Record Aver age	rage 14.8		
Today Lake Oke stations	echobee el	evation is dete	ermined from	m the 4 Int &	4 Edge
++Navigation I	Depth (Base	d on 2007 Chann	nel Conditio	on Survey) Rou	te 1 ÷
		d on 2008 Chann	nel Conditio	on Survey) Rou	te 2 ÷
_					
4 Interior and 4	ł Edge Okee	chobee Lake Ave	erage (Avg-1	Daily values):	
	L006 LZ4 15.98 15.	0 S4 S352 93 15.99 16.0		S133 15.86	
*Combination Ol	teechobee	Avg-Daily Lake	_	15.98 (*See Note)	
_					
Okeechobee Inflo	ows (cfs):				
S65E	659	S65EX1	0	Fisheating Cr	58
S154	0	S191	0	S135 Pumps	0
S84	387	S133 Pumps	0	S2 Pumps	0
S84X	0	S127 Pumps	0	S3 Pumps	0
S71	93	S129 Pumps	0	S4 Pumps	0
S72	0	S131 Pumps	0	C5	0
Total Inflows:	1197				
Okeechobee Outfl	Lows (cfs):				
S135 Culverts	0	S354	362	S77	4307
S127 Culverts	0	S351	683	S308	924
S129 Culverts	0	S352	0		
S131 Culverts Total Outflows:	0 6282	L8 Canal Pt	6		
IOCAI OUCLIOWS.	0404				

\*\*\*\*S77 below flow meter is being used to compute Total Outflow.
\*\*\*\*S308 below flow meter is being used to compute Total Outflow.

Okeechobee Pan Evaporation (inches):

S77 0.18 S308 0.13

Average Pan Evap x 0.75 Pan Coefficient = 0.12" = 0.01'

Lake Average Precipitation using NEXRAD: = 0.00" = 0.00'

Evaporation - Precipitation: = 0.12" = 0.01'

Evaporation - Precipitation using Lake Area of 730 square miles

is equal to 2282 cfs out of the lake.

Lake Okeechobee (Change in Storage) Flow is -6605 cfs or -13100 AC-FT

\_

\_

	Headwater	Tailwater				Gat	te Pos	sition	ns	
	Elevation	Elevation	Disch	#1	#2	#3	#4	#5	#6 #7	7
#8	(ft-msl)	(ft-msl)	(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft) (ft	<b>こ</b> )
(ft)					_					
March Brost Cl		(I	) see n	ote at	bott	com				
North East S		1 5 0 1	0	0	0	0	0	0	(afa)	
S133 Pumps S193:	<del></del>	15.81	0	0	0	0	U	0	(cfs)	
S191:	19.52	15.81	0	0.0	0.0	0.0				
S135 Pumps	: 13.41	15.80	0	0	0	0	0		(cfs)	
S135 Culve	rts:		0	0.0	0.0					
North West Sl	nore									
S65E:	20.98	15.68	659	0.5	0.4	0.4	0.4	0.4	0.4	
S65EX1:		15.68	0							
S127 Pumps	: 13.60	15.88	0	0	0	0	0	0	(cfs)	
S127 Culve	rt:		0	0.0						
S129 Pumps	: 13.09	15.96	0	0	0	0			(cfs)	
S129 Culve	rt:		0	0.0						
S131 Pumps	: 12.83	15.99	0	0	0				(cfs)	
S131 Culve	rt:		0							
Fisheating	Creek									
nr Palmd		30.05	58							
nr Lakepo C5:	ort	-NR-	0	-NE	RNF	) NT	? _			
<b>C</b> 3.		TATC	U	INI	. 111	. 111				
South Shore										
S4 Pumps:	11.17	15.98	0	0	0	0			(cfs)	
S169:	14.45	11.15	1	0.0	0.0	0.0				
s310:	15.94		9							

```
S3 Pumps: 10.81 15.99 0 0 0 0 0 (cfs)
S354: 15.99 10.81 362 0.6 0.6
S2 Pumps: 10.77 16.02 0 0 0 0 0 (cfs)
S351: 16.02 10.77 683 0.5 0.7 0.6
S352: 16.06 10.33 0 0.0 0.0
C10A: -NR- 13.30 8.0 8.0 8.0 0.0 0.0
                       13.12 6
 L8 Canal PT
                  S351 and S352 Temporary Pumps/S354 Spillway
             10.77 16.02 683 -NR--NR--NR--NR--NR-
10.33 16.06 0 -NR--NR--NR-
10.81 15.99 362 -NR--NR--NR-
 S351:
 S352:
 S354:
Caloosahatchee River (S77, S78, S79)
 S47B: 13.32 11.00
                                        0.0 0.0
                       11.03 110 6.5
 S47D:
             11.05
 S77:
   Spillway and Sector Flow:
              Flow Due to Lockages+: 10
                               4297
 S77 Below USGS Flow Gage
 S78:
   Spillway and Sector Flow:
              10.77 2.84 4010 0.0 4.5 5.0 3.0
  Flow Due to Lockages+:
                                 14
 S79:
   Spillway and Sector Flow:
             2.88 2.06 5033 2.0 3.0 3.0 3.0 3.0 3.0 2.5
   Flow Due to Lockages+:
                                   6
                low from S77 85 (ppm) 42
   Percent of flow from S77
                                 85%
   Chloride
St. Lucie Canal (S308, S80)
   Spillway and Sector Flow:
              15.86 14.85 921.48 3.3 3.3 3.3 3.3
  Flow Due to Lockages+: 3
 S308 Below USGS Flow Gage 921
S153: 18.73 14.65 42
                                  42 0.0 0.0
 S80:
   Spillway and Sector Flow:
              14.10 1.92 1815 0.0 2.5 0.0 0.0 2.5 0.0 2.0
   Flow Due to Lockages+:
                                  28
   Percent of flow from S308
                                  51%
 Steele Point Top Salinity (mg/ml) ****
 Steele Point Bottom Salinity (mg/ml) ****
```

```
Speedy Point Top Salinity (mg/ml) 4231
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
-					
Daily Precipitation Totals	1-Day	3-Day	7-Day	Directio	n
Speed	( b )	/ lo \	/ \	(Dama)	
( h )	(Inches)	(inches)	(Inches)	(Degø)	
mph)	MD	0 00	0 00		
S133 Pump Station:	-NR-	0.00	0.00		
S193:	-NR-			-NR-	-NR-
Okeechobee Field Station:	-NR-	0.00	0.00		
S135 Pump Station:	-NR-	0.00	0.00		
S127 Pump Station:	-NR-				
S129 Pump Station:	-NR-		0.00		
S131 Pump Station:	-NR-	0.00	0.00		
S77:	0.00	0.00	0.00	84	2
S78:	0.00	0.00	0.00	40	2
S79:	0.00	0.00	0.00	193	2
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	0.01	68	5
S80:	0.00	0.00	0.00	15	1
Okeechobee Average	0.00	0.00	0.00		
(Sites S78, S79 and					
Oke Nexrad Basin Avg	0.00	0.00	0.02		

_ Okeechobee Lake Elevations	03 DEC 2017	15.98 Difference from
03DEC17		
03DEC17 -1 Day =	02 DEC 2017	16.01 0.03
03DEC17 - 2 Days =	01 DEC 2017	16.04 0.06
03DEC17 - 3 Days =	30 NOV 2017	16.08 0.10
03DEC17 - 4 Days =	29 NOV 2017	16.12 0.14
03DEC17 -5 Days =	28 NOV 2017	16.17 0.19
03DEC17 - 6 Days =	27 NOV 2017	16.21 0.23
03DEC17 -7 Days =	26 NOV 2017	16.26 0.28
03DEC17 - 30 Days =	03 NOV 2017	16.98 1.00
03DEC17 -1 Year =	03 DEC 2016	14.70 -1.28
03DEC17 -2 Year =	03 DEC 2015	14.50 -1.48

Long Term Mean 30day Avearge ET for Lake Alfred (Inches) = 2.33

\_

	7		4.14		14 3	1 3 D 1 D1
	_			previous	-	Avg-Daily Flow
03DEC17 Toda	<i>y</i> =	03 DEC	2017	-916	MON	-335
03DEC17 -1 Day	=	02 DEC	2017	-852	SUN	-620
03DEC17 -2 Day	s =	01 DEC	2017	-758	SAT	-2470
03DEC17 -3 Day	s =	30 NOV	2017	-371	FRI	-1226
03DEC17 -4 Day	s =	29 NOV	2017	-532	THU	-3410
03DEC17 -5 Day	s =	28 NOV	2017	-390	WED	-606
03DEC17 -6 Day	s =	27 NOV	2017	103	TUE	-3658
03DEC17 -7 Day	s =	26 NOV	2017	782	MON	-3859
03DEC17 -8 Day	s =	25 NOV	2017	1030	SUN	-3948
03DEC17 -9 Day	s =	24 NOV	2017	1146	SAT	2777
03DEC17 -10 Day	s =	23 NOV	2017	627	FRI	2671
03DEC17 -11 Day	s =	22 NOV	2017	600	THU	2845
03DEC17 -12 Day	s =	21 NOV	2017	395	WED	7218
03DEC17 -13 Day	s =	20 NOV	2017	144	TUE	-8200
		_	6 E T			

S65E

	SOSE		
	Average Flow over	previous 14 days	Avg-Daily Flow
03DEC17 Today=	03 DEC 2017	1252 MON	751
03DEC17 -1 Day =	02 DEC 2017	1290 SUN	886
03DEC17 - 2 Days =	01 DEC 2017	1321 SAT	1089
03DEC17 -3 Days =	30 NOV 2017	1343 FRI	1149
03DEC17 - 4 Days =	29 NOV 2017	1369 THU	1217
03DEC17 -5 Days =	28 NOV 2017	1397 WED	1273
03DEC17 -6 Days =	27 NOV 2017	1434 TUE	1341
03DEC17 -7 Days =	26 NOV 2017	1483 MON	1394
03DEC17 -8 Days =	25 NOV 2017	1526 SUN	1394
03DEC17 -9 Days =	24 NOV 2017	1568 SAT	1458
03DEC17 -10 Days =	23 NOV 2017	1600 FRI	1480
03DEC17 -11 Days =	22 NOV 2017	1630 THU	1478
03DEC17 -12 Days =	21 NOV 2017	1656 WED	1343
03DEC17 -13 Days =	20 NOV 2017	1689 TUE	1279
			•

_						Se	55EX1				
					Average	Flov	v over	previous	14 days	Avg-Daily Flo	OW
0	3DEC17		Today	<i>y</i> =	03	DEC	2017	84	MON	0	
0	3DEC17	-1	Day	=	02	DEC	2017	125	SUN	0	
0	3DEC17	-2	Days	=	01	DEC	2017	166	SAT	0	
0	3DEC17	-3	Days	=	30	NOV	2017	208	FRI	0	
0	3DEC17	-4	Days	=	29	NOV	2017	249	THU	0	
0	3DEC17	-5	Days	=	28	NOV	2017	290	WED	0	
0	3DEC17	-6	Days	=	27	NOV	2017	331	TUE	0	
0	3DEC17	-7	Days	=	26	NOV	2017	366	MON	0	
0	3DEC17	-8	Days	=	25	NOV	2017	394	SUN	0	
0	3DEC17	-9	Days	=	24	NOV	2017	421	SAT	103	
0	3DEC17	-10	Days	=	23	NOV	2017	456	FRI	113	
0	3DEC17	-11	Days	=	22	NOV	2017	500	THU	136	
0	3DEC17	-12	Days	=	21	NOV	2017	555	WED	311	
0	3DEC17	-13	Days	=	20	NOV	2017	609	TUE	514	

Lake Okeechobee Outlets Last 14 Days

S-77 Discharge (ALL DAY) DATE (AC-FT)  03 DEC 2017 8333  02 DEC 2017 8452 01 DEC 2017 9637  30 NOV 2017 12055 29 NOV 2017 12109 28 NOV 2017 12177 27 NOV 2017 12284 26 NOV 2017 12317 25 NOV 2017 12178 24 NOV 2017 11922 23 NOV 2017 12014	Below S-77 Discharge (ALL-DAY) (AC-FT) 8521 8692 9695 11875 11984 12072 12020 11875 11873 11646 11771	S-78 Discharge (ALL DAY) (AC-FT) 7986 7890 9081 11819 11859 11843 11855 11997 12408 12505 12533	S-79 Discharge (ALL DAY) (AC-FT) 9970 9864 11176 13936 14270 14137 14188 14692 14185 16099 14462	
22 NOV 2017 12222	12057	12386	15565	
21 NOV 2017 12433 20 NOV 2017 12583	12109 12269	12256 12420	14748 14637	
20 100 2017 12303	12207	12120	11057	
S-310 Discharge (ALL DAY)	S-351 Discharge (ALL DAY)	S-352 Discharge (ALL DAY)	S-354 Discharge (ALL DAY)	L8 Canal Pt Discharge (ALL DAY)
DATE (AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)
03 DEC 2017 17 02 DEC 2017 96	-72243 ****	0 0	700 718	12 21
01 DEC 2017 195	0	0	880	17
30 NOV 2017 112	0	0	629	16
29 NOV 2017 48	25160	0	500	13
28 NOV 2017 93 27 NOV 2017 106	143890 0	232 0	1053 365	14 14
26 NOV 2017 136	0	0	0	14
25 NOV 2017 133	0	0	0	0
24 NOV 2017 93	0	0	0	-8
23 NOV 2017 20	0	0	0	12
22 NOV 2017 26	0	0	0	10
21 NOV 2017 16 20 NOV 2017 41	0 0	0 0	0 0	1 18
20 NOV 2017 41	U	U	O	10
S-308 Discharge (ALL DAY) DATE (AC-FT)	Below S-308 Discharge (ALL-DAY) (AC-FT)	S S-80 Discharge (ALL-DAY) (AC-FT)		
03 DEC 2017 4175	1827	3650		
02 DEC 2017 3985	2011	3649		
01 DEC 2017 4537	2406	4175		
30 NOV 2017 5464	3039	5485		
29 NOV 2017 5417 28 NOV 2017 5461	3224 2852	5495 5491		
27 NOV 2017 5389	2809	5508		
26 NOV 2017 5365	2953	5533		
25 NOV 2017 5401	2794	5568		
24 NOV 2017 5295	2859	5598		
23 NOV 2017 5425	2512	5555		
22 NOV 2017 5577 21 NOV 2017 5006	2573 2203	5516 5610		
21 100 2017 5000	2205	2010		

20 NOV 2017 5379 2946 5844

\*\*\* NOTE: Discharge (ALL DAY) is computed using Spillway, Sector Gate

and

Lockages Discharges from 0015 hrs to 2400 hrs.

\_

(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

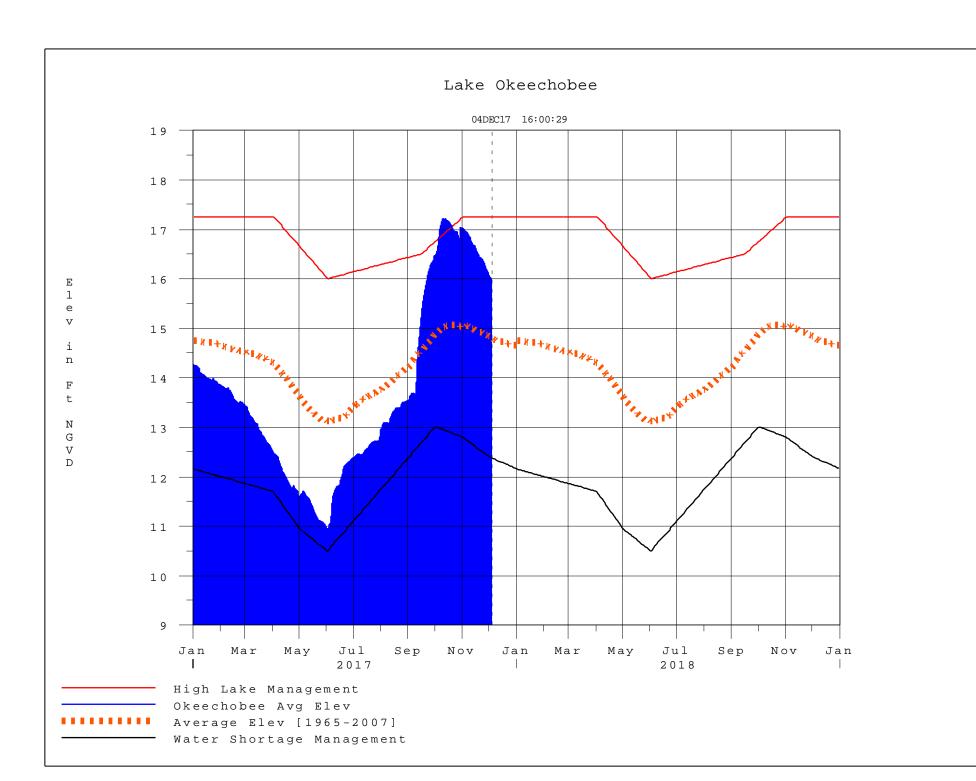
++ For more information see the Jacksonville District Navigation website at http://www.saj.usace.army.mil/

\$ For information regarding Lake Okeechobee Service Area water restrictions

please refer to www.sfwmd.gov

\_\_\_\_\_

Report Generated 04DEC2017 @ 15:40 \*\* Preliminary Data - Subject to Revision \*\*



## **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
[	[1000]	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**