# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 9/18/2017 (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>		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 (Sep- Feb)	N/A	N/A	3.04	Very Wet	3.34	Very Wet	4.14	Very Wet
Multi Seasonal (Sep- Apr)	N/A	N/A	3.08	Wet	3.34	Wet	4.14	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:**

**29298 cfs** 14-day running average for Lake Okeechobee Net Inflow through 9/17/2017. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Very Wet.

### 2.54 for Palmer Index on 9/16/2017.

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

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

# **LORS2008 Classification Tables:**

# Lake Okeechobee Stage on 9/18/2017

Lake Okeechobee Stage: 15.50 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	16.53	
On and the sale	High sub-band	16.16	
Operational Band	Intermediate sub-band	15.77	
	Low sub-band	14.07	<b>←</b> 15.50
Base Flow sub-ba	nd	12.81	
Beneficial Use sub	o-band	12.73	
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 4000 cfs and S-80 up to 1800 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

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

#### LORS2008 Implementation on 9/18/2017 (ENSO Neutral Condition):

#### Status for week ending 9/19/2017:

District wide, Raindar rainfall was 0.54 inches for the week. Lake stage on 9/18/2017 was 15.50 ft, up 0.95 ft from last week.

The updated Mid-September 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 LORS2008 tributary <u>indices</u> are classified as **Very Wet**. The PDSI indicates wet condition and the LONIN is Very Wet. The classification is based on the wetter of the two.

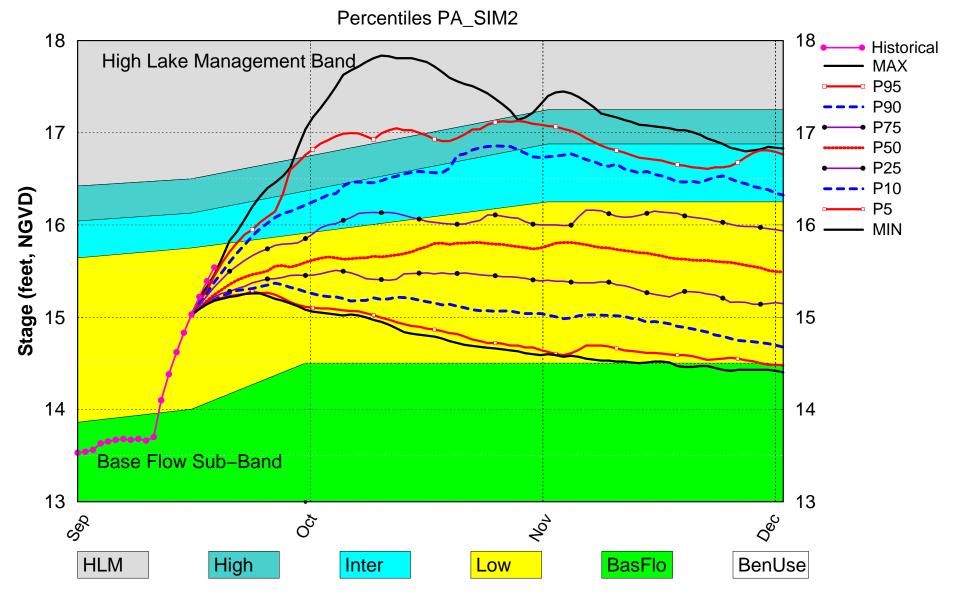
Water Supply Risk Evaluation

TTUC	Supply KISK Evaluation	<del>,                                      </del>	<del>.</del>
Area	Indicator	Value	Color Coded Scoring Scheme
	Projected LOK Stage for the next two months	Intermediate Sub Band	L
	Palmer Index for LOK Tributary Conditions	2.54 (Normal)	اد
	CDC Propinitation Outlook	1 month: Above Normal	L
LOK	CPC Precipitation Outlook	3 months: Above Normal	Ш
	LOK Seasonal Net Inflow Outlook ENSO La Nina Years	3.34 ft (Normal)	L
	LOK Multi-Seasonal Net Inflow Outlook	3.34 ft (Wet)	L
	ENSO La Nina Years		
	WCA 1: Site 1-7, Site 1-8T, & Site 1-9 Average	Above Line 1 (16.93 ft)	٦
WCAs	WCA 2A: Site 2-17 HW	Above Line 1 (14.52 ft)	L
	WCA-3A: 3 Station Average (Site 63, 64 and 65)	Above Line 1 (12.02 ft)	L
	Service Area 1	Year-Round Irrigation Rule in effect	اد
LEC	Service Area 2	Year-Round Irrigation Rule in effect	٦
	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.

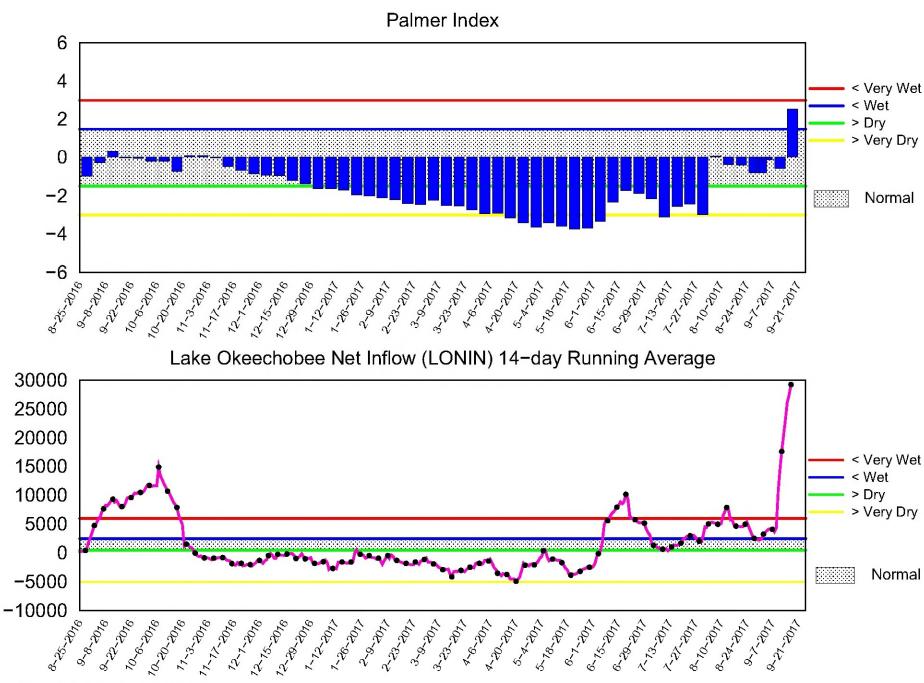
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# Lake Okeechobee SFWMM Sep 2017 Mid-Mon Dynamic Position Analysis



(See assumptions on the Position Analysis Results website)

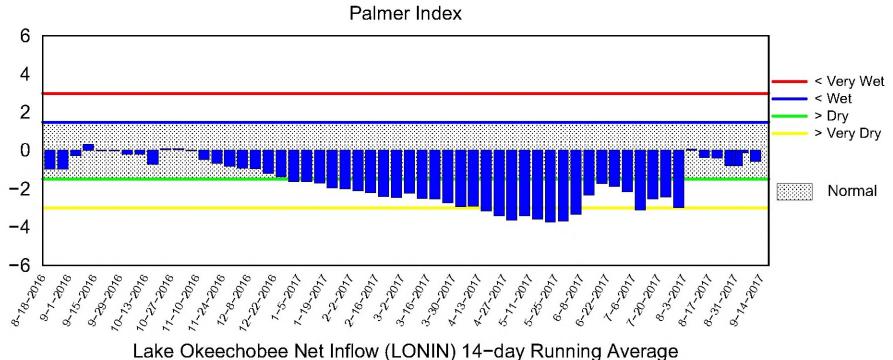
# Tributary Basin Condition Indicators as of September 18 2017

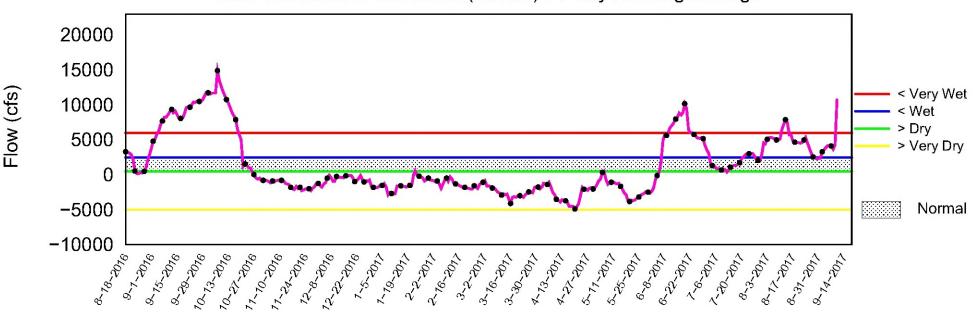


Tue Sep 19 10:57:46 2017

Flow (cfs)

# Tributary Basin Condition Indicators as of September 11 2017

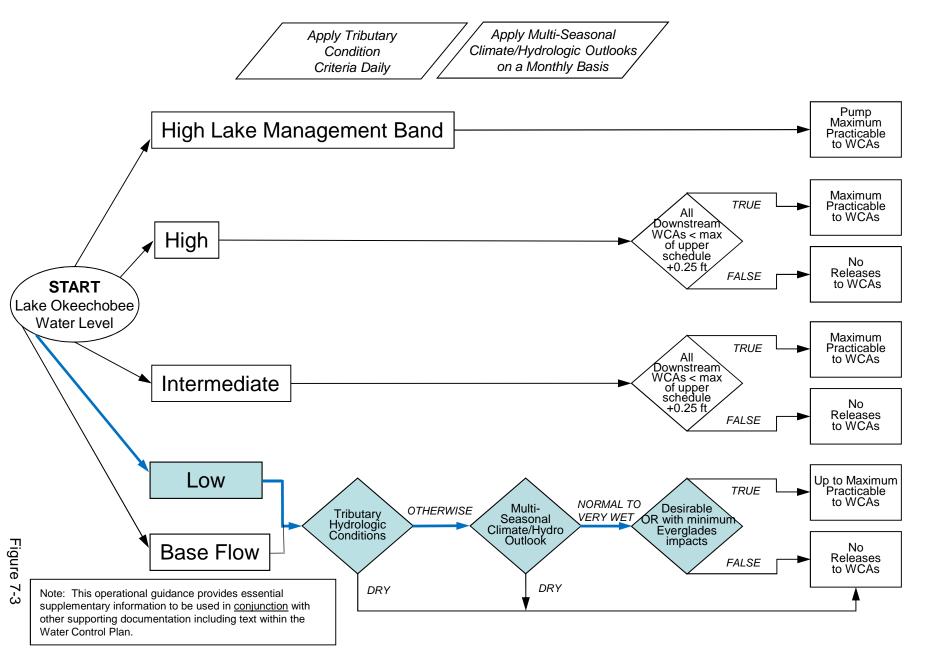




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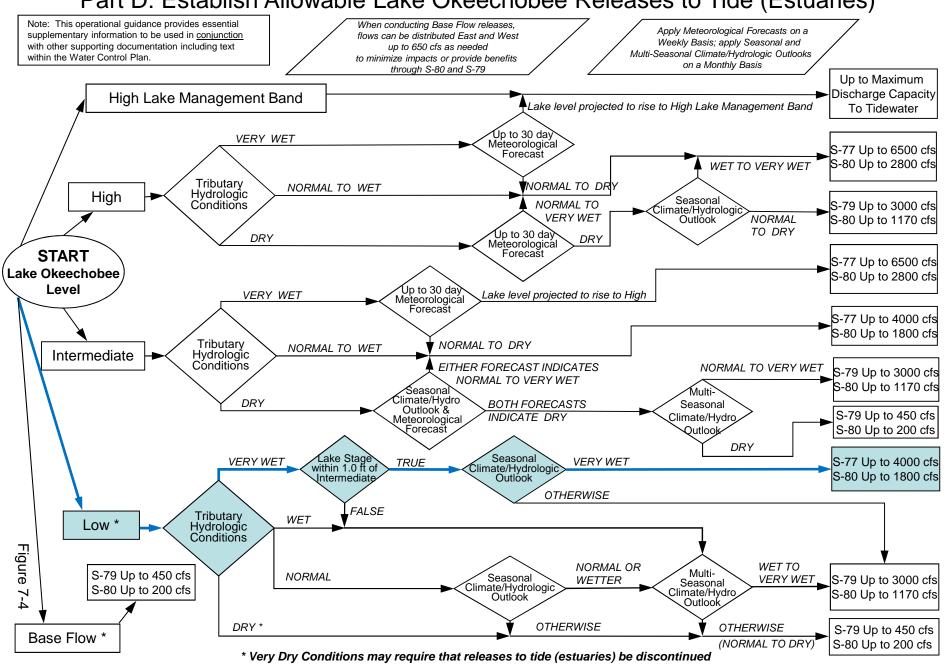
# **2008 LORS**

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 15.66 ft, NGVD 19.0 S-77 (3000 cfs for 7 days) S-79 (21-day transitional release) 19-September-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 5-79 (3000 cfs for 7 days 17.0 S-77 (max cfs) Starting: 11, 18, 25-Nov; Starting: 21-0ct Starting: 19-Sep 2,9,16-Dec S-79 (450 cfs for 7 days) 16.0 Starting: 31-Mar; 7 HIGH 16.0 S-79 (300 cfs for 7 days) Starting: 14,21,28-Apr; 5,12-May INTERMEDIATE 75% 15.0 S-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) Starting: 4,11,18,25-Nov; 13.0 13.0 28-Jul; BASE LOW S-80 21-day transitional release Starting: 28-Oct 25-Aug BENEFICIAL USE S-80 (1800 cfs) S-80 (1170 cfs for 7 days 12.0 12.0 S-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 17 SEP 2017

Okeechobee Lake		(ft-NGVI	O) (ft-NGV	D) (ft-NGVD)	
	h Lake Mngm		of Water Sh	12 14.04 (Of nort Mngmt= 12.	
Simulated Ave Difference fr		08 [1965-2000 LORS2008	13.53 1.97		
17SEP (1965-2 Difference fr		of Record Ave	erage 14.		
Today Lake Ok stations	eechobee el	evation is de	termined fro	om the 4 Int &	4 Edge
++Navigation	Depth (Base	d on 2007 Char	nnel Condit	lon Survey) Rou	ıte 1 ÷
++Navigation 7.64'			nnel Condit:	ion Survey) Rou	ıte 2 ÷
Bridge Cleara	nce = 48.13				
_					
4 Interior and	4 Edge Okee	chobee Lake A	verage (Avg-	-Daily values):	:
L001 L005 15.43 15.20	L006 LZ4	0 S4 S35 58 15.64 15	52 S308 .71 15.49	S133 15.33	
*Combination O	keechobee	Avg-Daily Lake	e Average =	15.50 (*See Note)	
_					
Okeechobee Infl	ows (cfs):				
S65E	8113	S65EX1	6896	Fisheating Cr	
S154	415	S191	836	S135 Pumps	172
S84	3799	S133 Pumps	75 01	S2 Pumps	1897
S84X S71	479 2179	S127 Pumps S129 Pumps	91 103	S3 Pumps S4 Pumps	2326 1174
S72	681	S131 Pumps	57	C5	0
Total Inflows:	35671	DIST Tamps	3,		Ŭ
Okeechobee Outf	lows (cfs):				
S135 Culverts	0	S354	0	S77	2
S127 Culverts	0	S351	0	S308	2824
S129 Culverts		S352	0		
S131 Culverts Total Outflows:	0 2079	L8 Canal Pt	-747		

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

Okeechobee Pan Evaporation (inches):

S77 0.24 S308 0.30

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 28183 cfs or 55900 AC-FT

<del>-</del>

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

	Headwater	Tailwater				Gat	te Pos	sition	ns	
	Elevation	Elevation	Disch	#1	#2	#3	#4	#5	#6	#7
#8	(ft-msl)	(ft-msl)	(afa)	(f+)	( <del>f +</del> )	(f+)	(f+)	(f+)	(f+)	(f+)
(ft)	(IC-MSI)	(IC-msI)	(CIS)	(10)	(LC)	(10)	(IC)	(IC)	(IC)	(IC)
		(I	) see n	ote at	bott	om				
North East S	nore									
S133 Pumps S193:	: 13.35	15.38	75	18	0	12	0	47	(cfs	;)
S191:	18.00	15.38	836	1.0	0.5	1.0				
S135 Pumps	: 13.40	15.41	172	43	43	43	43		(cfs	; )
S135 Culve	rts:		0	0.0	0.0					
North West S	nore									
S65E:	20.94	16.48	8113	4.0	4.0	4.6	3.5	3.5	4.0	
S65EX1:	20.94	16.48	6896							
S127 Pumps	: 13.47	15.47	91	0	0	18	30	46	(cfs	;)
S127 Culve	rt:		0	0.0						
S129 Pumps		15.57	103	43	18	37			(cfs	;)
S129 Culve	rt:		0	0.0						
S131 Pumps	: 12.91	15.79	57	55	0				(cfs	;)
S131 Culve	rt:		0							
Fisheating	Creek									
nr Palmda nr Lakep		35.47	6380							
C5:	<u></u>	-NR-	0	-NF	RNF	RNF	<b>?</b> -			
South Shore										
S4 Pumps:	10.66	15.73	1174	188	113	898			(cfs	;)

```
$169: 15.79 10.46 472 0.0 0.0 0.0 $310: 15.73 132
 15.77
 S352:
C10A:
                           0 0.0 0.0
                   9.55
                                8.0 8.0 8.0 0.0 0.0
           -NR-
                  16.27
                   16.12 -747
 L8 Canal PT
             S351 and S352 Temporary Pumps/S354 Spillway
                  15.76 0 -NR--NR--NR--NR--NR-
15.77 0 -NR--NR--NR-
15.78 0 -NR--NR--NR-
           9.77
 S352:
           9.55
 S354:
            9.41
Caloosahatchee River (S77, S78, S79)
 S47B: 12.95 11.14
                                1.5 1.5
 S47D:
           10.72
                  10.68
                          174 6.5
 S77:
  Spillway and Sector Flow:
           15.72 10.79 0.00 0.0 0.0 0.0 0.0
  Flow Due to Lockages+:
                           2
 S77 Below USGS Flow Gage
                         -213
 S78:
   Spillway and Sector Flow:
                          -NR- 3.0 3.0 3.0 3.0
            -NR- -NR-
  Flow Due to Lockages+:
                          -NR-
 S79:
   Spillway and Sector Flow:
    2.91 1.74 11760 8.0 8.0 8.0 8.0 8.0 8.0 8.0
8.0
   Flow Due to Lockages+:
  Percent of flow from S77
                         0%
            (ppm) 40
   Chloride
St. Lucie Canal (S308, S80)
 S308:
   Spillway and Sector Flow:
           15.52 15.37 ***** 8.0 8.0 8.0 8.0
   Flow Due to Lockages+: 0
                         2824
 S308 Below USGS Flow Gage
      18.55 15.14
 S153:
                          330 0.9 0.5
 S80:
   Spillway and Sector Flow:
           14.09 2.93 2979 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   Flow Due to Lockages+:
                           5
   Percent of flow from S308
                           95%
 Steele Point Top Salinity (mg/ml) 4395
```

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

```
Speedy Point Top Salinity (mg/ml) 370
Speedy Point Bottom Salinity (mg/ml) 597
```

+ 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:	0.32	0.32	1.69	346	6
S78:	-NR-	0.00	1.04	-NR-	-NR-
S79:	0.00	0.00	0.19	59	3
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	13	3
S80:	0.00	0.00	0.04	0	3
Okeechobee Average	0.16	0.02	0.13		
(Sites S78, S79 and	S80 not inc	luded)			
Oke Nexrad Basin Avg	-NR-	0.00	0.42		

_ Okeechobee Lake Elevations	17 SEP 2017	15.50 Difference from
17SEP17		
17SEP17 -1 Day =	16 SEP 2017	15.37 -0.13
17SEP17 - 2 Days =	15 SEP 2017	15.22 -0.28
17SEP17 -3 Days =	14 SEP 2017	15.03 -0.47
17SEP17 - 4 Days =	13 SEP 2017	14.83 -0.67
17SEP17 -5 Days =	12 SEP 2017	14.62 -0.88
17SEP17 -6 Days =	11 SEP 2017	14.38 -1.12
17SEP17 -7 Days =	10 SEP 2017	13.91 -1.59
17SEP17 -30 Days =	18 AUG 2017	13.38 -2.12
17SEP17 -1 Year =	17 SEP 2016	15.42 -0.08
17SEP17 - 2 Year =	17 SEP 2015	14.04 -1.46

Lake Okeechobee Net Inflow (LONIN) Average Flow over the previous 14 days Avg-Daily Flow Today = 17SEP17 17 SEP 2017 29869 MON 31007 16 SEP 2017 27957 35217 17SEP17 -1 Day =SUN 17SEP17 - 2 Days =15 SEP 2017 26502 SAT 42457 14 SEP 2017 17SEP17 - 3 Days =23801 FRI 42854 13 SEP 2017 17SEP17 -4 Days = 20935 THU 44619 17SEP17 -5 Days = 12 SEP 2017 17934 WED 51324 17SEP17 -6 Days = 11 SEP 2017 14422 TUE 100027 17SEP17 - 7 Days =10 SEP 2017 7428 MON 50820 17SEP17 -8 Days = 09 SEP 2017 4090 SUN 2118 17SEP17 -9 Days = 08 SEP 2017 4255 SAT 931 17SEP17 -10 Days = 07 SEP 2017 4866 FRI 7264 17SEP17 -11 Days = 06 SEP 2017 4950 THU 2243 17SEP17 -12 Days = 05 SEP 2017 5196 WED 3050 04 SEP 2017 17SEP17 -13 Days = 4919 TUE 4235 S65E

					50	ODE			
				Average	Flov	v over	previous	14 days	Avg-Daily Flow
17SEP17		Today	<i>7</i> =	17	SEP	2017	2837	MON	8175
17SEP17	-1	Day	=	16	SEP	2017	2253	SUN	8248
17SEP17	-2	Days	=	15	SEP	2017	1664	SAT	8220
17SEP17	-3	Days	=	14	SEP	2017	1077	FRI	7029
17SEP17	-4	Days	=	13	SEP	2017	575	THU	4281
17SEP17	-5	Days	=	12	SEP	2017	269	WED	2720
17SEP17	-6	Days	=	11	SEP	2017	75	TUE	987
17SEP17	-7	Days	=	10	SEP	2017	4	MON	57
17SEP17	-8	Days	=	09	SEP	2017	0	SUN	0
17SEP17	-9	Days	=	08	SEP	2017	0	SAT	0
17SEP17	-10	Days	=	07	SEP	2017	0	FRI	0
17SEP17	-11	Days	=	06	SEP	2017	0	THU	0
17SEP17	-12	Days	=	05	SEP	2017	0	WED	0
17SEP17	-13	Days	=	04	SEP	2017	0	TUE	0

		S65EX1			
	Average	Flow over	previous	14 days	Avg-Daily Flow
17SEP17 Today	= 17	SEP 2017	5079	MON	6896
17SEP17 -1 Day	= 16	SEP 2017	4750	SUN	7016
17SEP17 -2 Days	= 15	SEP 2017	4427	SAT	7306
17SEP17 -3 Days	= 14	SEP 2017	4062	FRI	8052
17SEP17 -4 Days	= 13	SEP 2017	3642	THU	8163
17SEP17 -5 Days	= 12	SEP 2017	3221	WED	8161
17SEP17 -6 Days	= 11	SEP 2017	2802	TUE	7473
17SEP17 -7 Days	= 10	SEP 2017	2427	MON	4318
17SEP17 -8 Days	= 09	SEP 2017	2271	SUN	2355
17SEP17 -9 Days	= 08	SEP 2017	2261	SAT	2257
17SEP17 -10 Days	= 07	SEP 2017	2240	FRI	2228
17SEP17 -11 Days	= 06	SEP 2017	2264	THU	2226
17SEP17 -12 Days	= 05	SEP 2017	2243	WED	2288

\_ Lake Okeechobee Outlets Last 14 Days

Lane Onceon	DEC GUCIO	co Lase II I	sa, s		
	S-77	Below S-77	S-78	S-79	
I	Discharge	Discharge		Discharge	
	(ALL DAY)	(ALL-DAY)	(ALL DAY)	(ALL DAY)	
DATE	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)	
17 SEP 2017	4	-422	-NR-	23252	
16 SEP 2017	5	-289	7497	29517	
15 SEP 2017	4	-221	-NR-	21680	
14 SEP 2017	-NR-	137	7924	22683	
13 SEP 2017	-NR-	89	9773	27244	
12 SEP 2017	3	126	10398	45419	
11 SEP 2017	0	205	-NR-	56205	
10 SEP 2017	0	-989	-NR-	27044	
09 SEP 2017	0	-70	2876	7647	
08 SEP 2017	6452	7982	10245	15795	
07 SEP 2017	7032	8528	11023	17400	
06 SEP 2017	6873	8780	10280	16703	
05 SEP 2017	2080	2408	4256	8397	
04 SEP 2017	2	-49	1238	6007	
04 DEF 2017	2	47	1230	0007	
	S-310	S-351	S-352	S-354	L8 Canal Pt
I	Discharge	Discharge		Discharge	
	(ALL DAY)		_	(ALL DAY)	(ALL DAY)
DATE	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)
17 SEP 2017	261	0	0	0	-1480
16 SEP 2017	-371	0	0	0	-1719
15 SEP 2017	-81	0	0	0	-1922
14 SEP 2017	-600	0	0	0	-2143
13 SEP 2017	-788	0	0	0	-2560
12 SEP 2017	-673	0	0	0	-2840
11 SEP 2017	-64	0	0	0	-2369
10 SEP 2017	-50	0	0	0	-1455
09 SEP 2017	4	0	0	0	-473
08 SEP 2017	-32	0	0	0	-496
07 SEP 2017	-NR-	0	0	0	-572
06 SEP 2017	-NR-	0	0	0	-579
05 SEP 2017	-NR-	0	0	0	-327
04 SEP 2017	18	0	0	0	-33
	S-308	Below S-308	3 S-80		
I	Discharge	Discharge	Discharge	2	
(	(ALL DAY)	(ALL-DAY)	(ALL-DAY)		
DATE	(AC-FT)	(AC-FT)	(AC-FT)		
17 SEP 2017	8083	5599	5823		
16 SEP 2017	8914	5351	6610		
15 SEP 2017	4753	2512	5517		
14 SEP 2017	-0	244	2756		
13 SEP 2017	-NR-	142	3914		
12 SEP 2017	-1	180	7613		
11 SEP 2017	-NR-	-862	7833		
10 SEP 2017	-NR-	1164	2749		
09 SEP 2017	-NR-	-7	880		
08 SEP 2017	5948	3677	3485		

07	SEP	2017	3338	3556	3552
06	SEP	2017	1643	3391	3505
05	SEP	2017	-305	21	1060
04	SEP	2017	-700	-484	33

\*\*\* 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

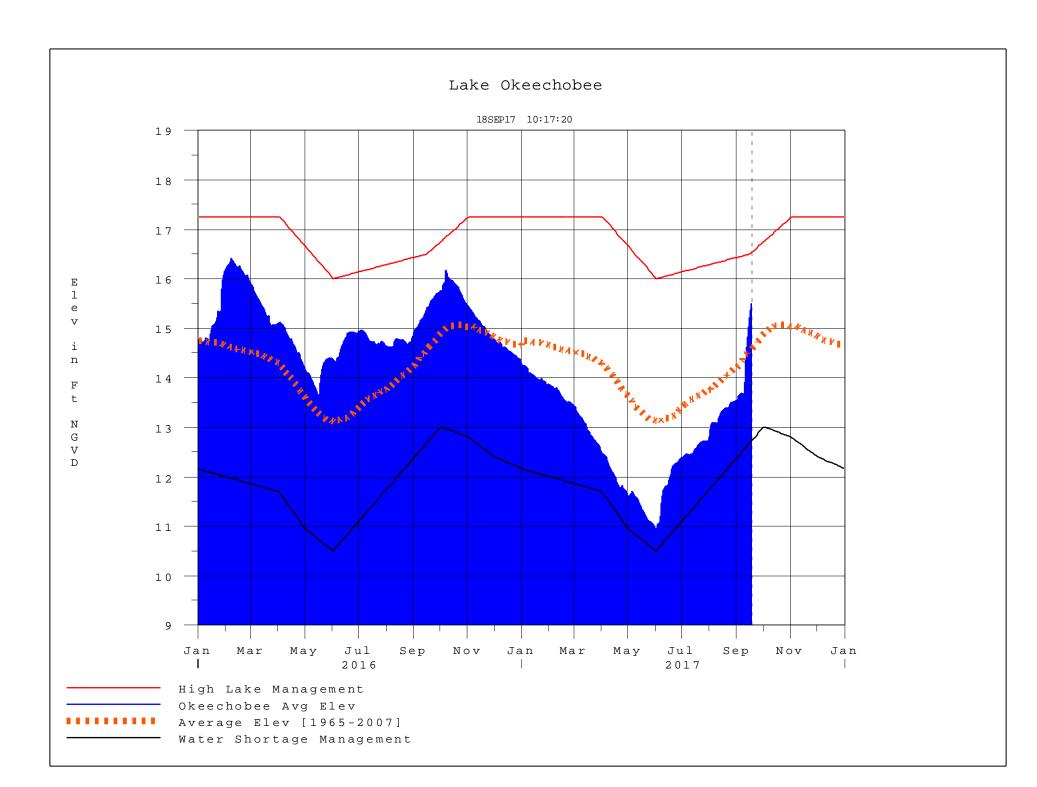
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- \* On 11 May 1999, Lake Okeechobee Elevation was switched from Instantaneous 2400 value to an average-daily lake average.

  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  $$\rm S135$$  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 18SEP2017 @ 10:15 \*\* 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**