# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 4/16/2018 (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 subsampling 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		coley's	SFWMD Empirical Method <sup>2</sup>		Empirical Sub-sampling of La Nina Years <sup>3</sup>		Sub-sampling of AMO Warm + La Nina Years <sup>4</sup>	
	Value (ft)	Condition	Value (ft)	Condition	Value (ft)	Condition	Value (ft)	Condition
Current (Apr- Sep)	N/A	N/A	1.71	Wet	1.89	Wet	1.64	Wet
Multi Seasonal (Apr-Oct)	N/A	N/A	2.19	Normal	2.46	Normal	2.28	Normal

## \*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 LORS 2008 Release Guidance Flow Charts.

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

#### Tributary Hydrologic Conditions Graph:

- **-2697 cfs** 14-day running average for Lake Okeechobee Net Inflow through 4/15/2018. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Dry.
- **-1.61** for Palmer Index on 4/14/2018. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Dry.

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

## LORS 2008 Classification Tables:

# Lake Okeechobee Stage on 4/16/2018

Lake Okeechobee Stage: 13.43 feet

US ACE Report for Lake Okeechobee

Lake Okeechobee Stage Hydrograph

Lake Okeechob	Lake Okeechobee Management		Current
Zone/Band		(feet, NGVD)	Lake Stage
High Lake Management Band		16.94	
	High sub-band	16.25	
Operational Band	Intermediate sub-band	15.38	
	Low sub-band	13.50	
Base Flow sub-band		12.60	<b>←</b> 13.43
Beneficial Use sub-band		11.32	
Water Shortage M	lanagement Band		

#### Part C of LORS 2008: Discharge to WCA's

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

Part D of LORS 2008: Discharge to Tidewater

Release Guidance Flow Chart Outcome: S-79 Up to 450 cfs & S-80 Up to 200 cfs.

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

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

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#### LORS 2008 Implementation on 4/16/2018 (ENSO La Nina Condition):

Status for week ending 4/16/2018:

District wide, Raindar rainfall was 1.06 inches for the week. Lake stage on 4/16/2018 was 13.43 ft, NGVD, down 0.15 ft from last week.

The updated April 2018 SFWMM Dynamic Position Analysis <u>percentile graph</u> for Lake Okeechobee show that the current lake stage is in the Base Flow Sub-Band.

The 2008 LORS Tributary Hydrologic Condition (THC) tributary is classified as **Dry**. The PDSI indicates dry condition and the LONIN is Dry. The THC classification is based on the wetter of the two <u>indices</u>.

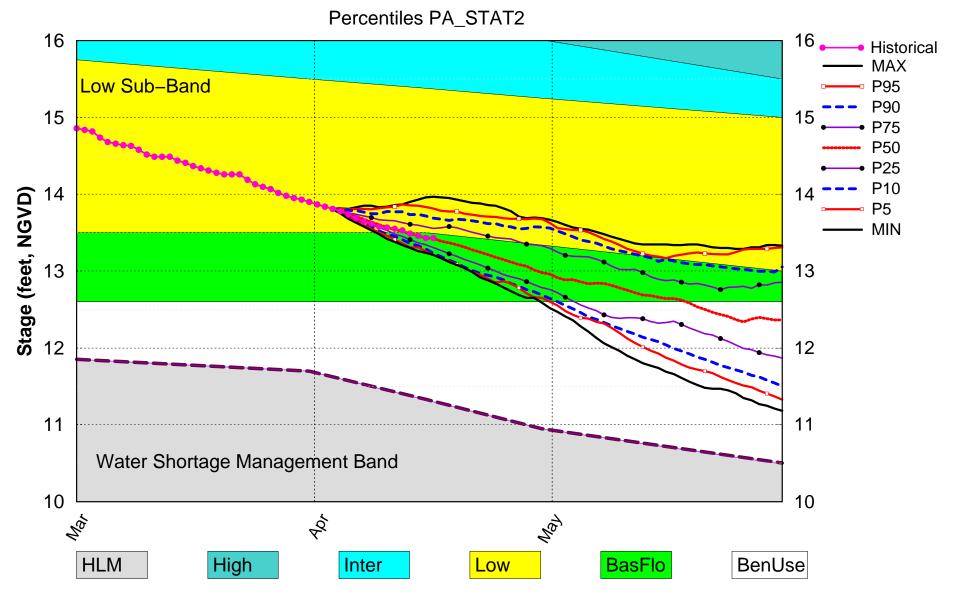
Water Supply Risk Evaluation

Area	Indicator	Value	Color Coded Scoring Scheme
	Projected LOK Stage for the next two months	Beneficial Use Sub Band	Ħ
	Palmer Index for LOK Tributary Conditions	-1.61 (Dry)	M
	CPC Precipitation Outlook	1 month: Below Normal	M
LOK	CFC Frecipitation Outlook	3 months: Normal	L
	LOK Seasonal Net Inflow Outlook ENSO La Nina Years	1.89 ft (Normal to Extremely Wet)	L
	LOK Multi-Seasonal Net Inflow Outlook	2.46 ft (Normal)	M
	ENSO Conditions		
	WCA 1: Station Average (Site 1-7, Site 1-8T, Site 1-9)	Above Line 1 (16.11 ft)	L
WCAs	WCA 2A: Site S11BHW	Below Line 2 10.02 ft)	Н
	WCA-3A: 3 Station Average (Site 63, 64 and 65)	Above Line 1 (9.01 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.

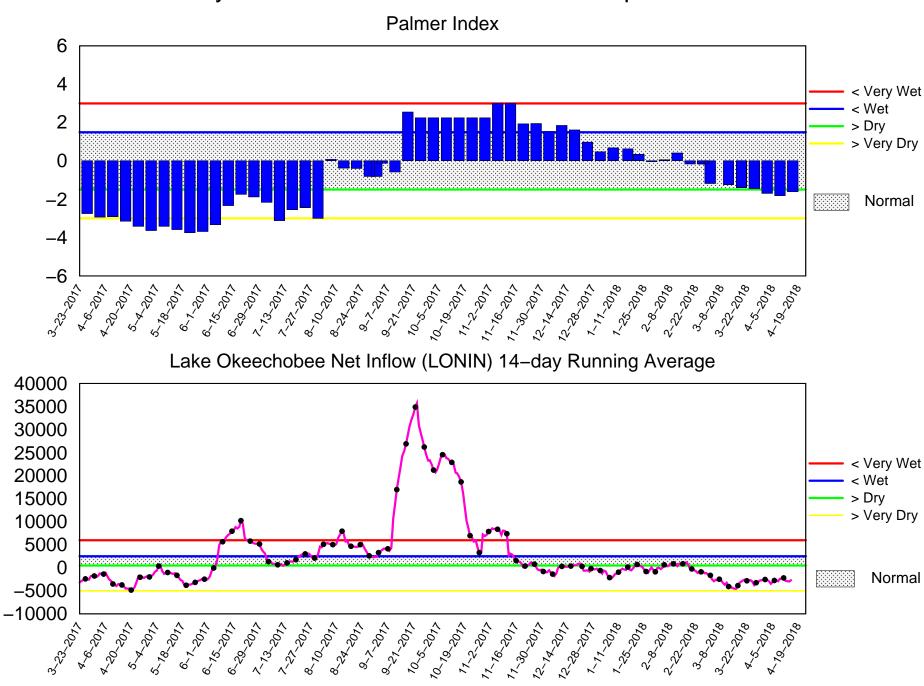
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# Lake Okeechobee SFWMM Apr 2018 Position Analysis



(See assumptions on the Position Analysis Results website)

# Tributary Basin Condition Indicators as of April 16 2018

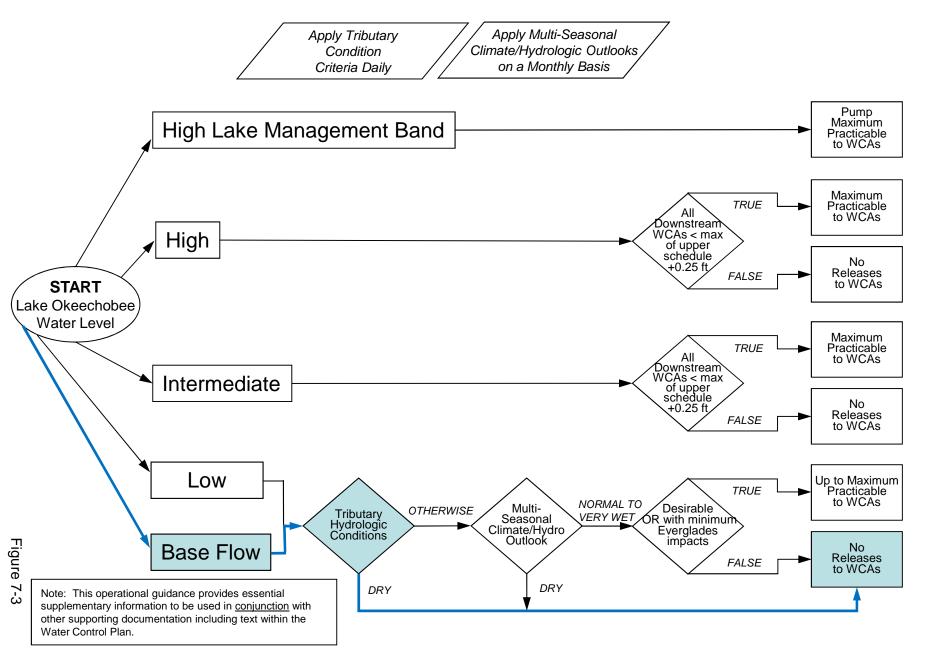


Mon Apr 16 14:40:57 EDT 2018

Flow (cfs)

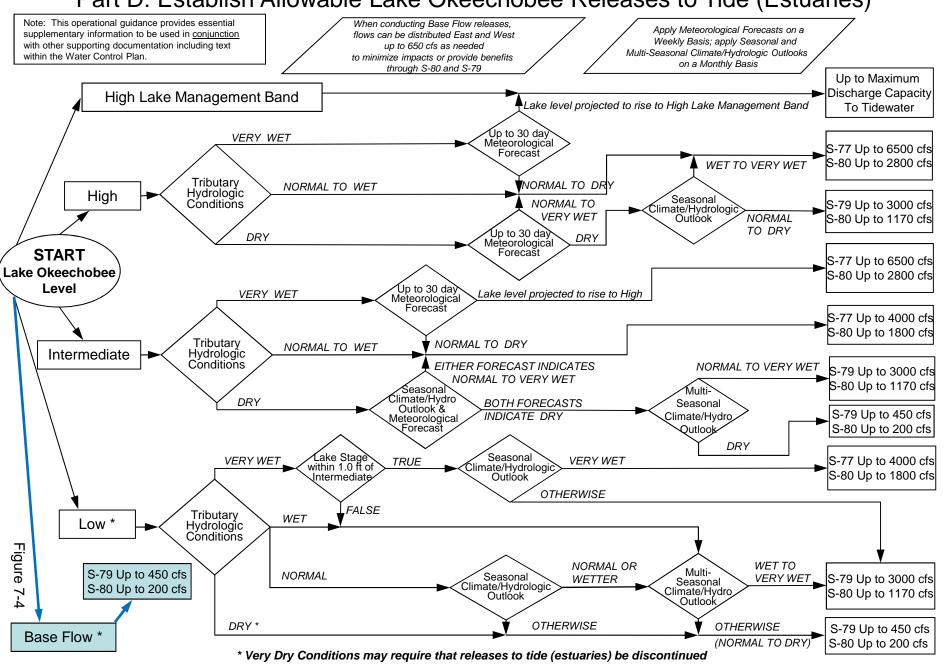
# **2008 LORS**

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 13.48 ft, NGVD 19.0 S-77 (6500 cfs) S-77 (4000 cfs) S-79 (3000 cfs) S-77 (max cfs) S-79 (450 cfs for 7 days) Starting: 17-Nov Starting: 1-Dec Starting: 7-Dec 17-April-2018 Starting: 19-Sep Starting: 31-Mar; 7-Apr S-79 (2000 cfs for 7 days) HIGH LAKE 18.0 18.0 Starting: 22-Dec  $\overline{S}$ - $\overline{79}$  ( $\overline{300}$  cfs for  $\overline{7}$  days) MANAGEMENT S-79 (1500 cfs for 7 days) Starting: 14,21,28-Apr; 5,12-May BAND Starting: 29-Dec <del>\$ 79 (</del>375 cfs for 7 days) S-79 (650 cfs for Z days) 17.0 HIGH 17.0 Starting: 19, 26-May; Starting: 5, 12-Jan S-7X (0 cfs) INTERMEDIATE Starting: 9, 16, 16.0 16.0 7, 14, 24 28-Jul; LOW 4, 11, 18, 15.0 15.0 Water Level (ft, NGVD) 25-Aug S-77 (4000 cfs) 75% Starting: 5-Sep 14.0 14.0 BASE FLOW 13.0 13.0 WATER SHORTAGE S-80 (0 cfs for 7 days) MANAGEMENT S-80 (1800 cfs) Starting: 5, 12-Jan 12.0 12.0 Starting: 5-Sep S-80 (0 cfs for 7 days) S-80 (0 cfs) **BENEFICIAL USE** Startina: 29-Dec Starting: 31 Mar; S-80 (500 cfs for 7 days) 11.0 **LEGEND** 11.0 19, 26-May; 2-Jun Starting: 22-Dec Lake Release Color Code S-80 (1170 cfs) S80 & S77 max practicable Startina: 7-Dec S80 < 2,800 cfs; S77 < 6,500 cfs S-80 (0 cfs) 10.0 10.0 S-80 (1800 cfs) S80 < 1,800 cfs; S77 < 4,000 cfs Starting: 9, 16, Starting: 1-Dec S80 < 1,170 cfs; S79 < 3000 cfs 23, 30-Jun; S-80 (2800 cfs) Baseflow S80 < 200 cfs; S79 < 450 cfs 7, 14, 21, 28-Jul; 9.0 9.0 Starting: 17-Nov No Regulatory Release From Lake 4, 11, 18, 25-Aug Environmental WS Release S-308 (max cfs) Regulatory Release to WCAs Starting: 15-Sep 8.0 8.0 Jan-2017 Jul-2017 Jan-2018 Jul-2018 Jan-2019 LORS-2008 Projected Stage Percentiles From Adopted by USACE 28-April-2008

SFWMD-HESM Position Analysis

#### 

Data Ending 2400 hours 15 APR 2018

Okeechobee Lake	_	(ft-NGVD	) (ft-NGVI	) (ft-NGV	D)
*Okeechobee La Bottom of High Currently in O	Lake Mngmt	= 16.96 Top	of Water Sho		(Official Elv) 11.33
Simulated Aver Difference fro			12.75 0.68		
15APR (1965-20 Difference fro			rage 13.9		
Today Lake Oke stations	echobee ele	vation is det	ermined from	n the 4 Int	& 4 Edge
++Navigation D	epth (Based	l on 2007 Chan	nel Conditio	on Survey) 1	Route 1 ÷
++Navigation D 5.57'	epth (Based	l on 2008 Chan	nel Conditio	on Survey) 1	Route 2 ÷
Bridge Clearan	ce = 50.05'				
_					
4 Interior and 4		hoboo Talta Arr			- \ -
a THICETTOT WHA 4	Eage Okeed	nobee Lake Av	erage (Avg-I	Daily value:	S):
	_			_	S):
	L006 LZ40	S4 S35	2 S308 S	5133	s):
L001 L005 13.62 13.47	L006 LZ40 13.31 13.3	s4 s35 6 13.15 13.	2 S308 S 48 13.44 1	3133 .3.61	5):
L001 L005	L006 LZ40 13.31 13.3	s4 s35 6 13.15 13.	2	3133 .3.61	5):
L001 L005 13.62 13.47	L006 LZ40 13.31 13.3	84 S35 6 13.15 13.	2	3133 .3.61 13.43	s):
L001 L005 13.62 13.47  *Combination Ok  Dkeechobee Inflo	L006 LZ40 13.31 13.3 eechobee A	S4 S35 6 13.15 13.	2	3133 3.61 13.43 (*See Note)	
L001 L005 13.62 13.47  *Combination Ok  Combination Ok  Combination Ok	L006 LZ40 13.31 13.3 eechobee A ws (cfs): 0	S4 S35 6 13.15 13. avg-Daily Lake	2	13.43 (*See Note)	Cr 0
L001 L005 13.62 13.47  *Combination Ok  Combination Ok  Combination Ok  Section 1000  Combination Ok	L006 LZ40 13.31 13.3 eechobee A ws (cfs): 0 0	S4 S35 6 13.15 13. Avg-Daily Lake  S65EX1 S191	2	13.43 (*See Note) Fisheating S135 Pumps	Cr 0 0
L001 L005 13.62 13.47  *Combination Ok  Combination Ok  Combination Ok  Combination Ok  Combination Ok  Combination Ok	L006 LZ40 13.31 13.3  eechobee A  ws (cfs): 0 0 0	S4 S35 6 13.15 13. Evg-Daily Lake  S65EX1 S191 S133 Pumps	2	3133 3.61 13.43 (*See Note) Fisheating S135 Pumps S2 Pumps	Cr 0 0 0 0
L001 L005 13.62 13.47  *Combination Ok  Combination Ok  Combin	L006 LZ40 13.31 13.3  eechobee A  ws (cfs): 0 0 0 0	S4 S35 6 13.15 13. Avg-Daily Lake  S65EX1 S191 S133 Pumps S127 Pumps	2	Fisheating S135 Pumps S2 Pumps S3 Pumps	Cr 0 0 0 0 0 0
L001 L005 13.62 13.47  *Combination Ok  Cheechobee Inflo S65E S154 S84 S84X S71	L006 LZ40 13.31 13.3  eechobee A  ws (cfs): 0 0 0 182	S65EX1 S133 Pumps S127 Pumps S129 Pumps	2	Fisheating S135 Pumps S2 Pumps S3 Pumps S4 Pumps	Cr 0 0 0 0 0 0 0 0 0
L001 L005 13.62 13.47 *Combination Ok *Combination Ok *Combination Ok *Combination Ok *Combination Ok *Combination Ok *S65E \$154 \$84 \$84 \$84X \$71 \$72	L006 LZ40 13.31 13.3  eechobee A  ws (cfs): 0 0 0 182	S4 S35 6 13.15 13. Avg-Daily Lake  S65EX1 S191 S133 Pumps S127 Pumps	2	Fisheating S135 Pumps S2 Pumps S3 Pumps	Cr 0 0 0 0 0 0
L001 L005 13.62 13.47  *Combination Ok  Cheechobee Inflo S65E S154 S84 S84X S71 S72 Cotal Inflows:	L006 LZ40 13.31 13.3  eechobee A  ws (cfs):  0 0 0 182 0 665	S65EX1 S133 Pumps S127 Pumps S129 Pumps	2	Fisheating S135 Pumps S2 Pumps S3 Pumps S4 Pumps	Cr 0 0 0 0 0 0 0 0 0
L001 L005 13.62 13.47  *Combination Ok  Cheechobee Inflo S65E S154 S84 S84X S71 S72 Fotal Inflows:	L006 LZ40 13.31 13.3  eechobee A  ws (cfs): 0 0 0 182 0 665  ows (cfs):	S65EX1 S133 Pumps S127 Pumps S129 Pumps	2	Fisheating S135 Pumps S2 Pumps S3 Pumps S4 Pumps	Cr 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
L001 L005 13.62 13.47  *Combination Ok  - Okeechobee Inflo S65E S154 S84 S84X S71 S72 Total Inflows: Okeechobee Outfl	L006 LZ40 13.31 13.3  eechobee A  ws (cfs):     0     0     0     182     0     665  ows (cfs):     0	S4 S35 6 13.15 13.  Evg-Daily Lake  S65EX1 S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps	2	Fisheating S135 Pumps S2 Pumps S3 Pumps S4 Pumps C5	Cr 0 0 0 0 0 0 0 0 0 0 0
L001 L005 13.62 13.47  *Combination Ok  - Okeechobee Inflo	L006 LZ40 13.31 13.3  eechobee A  ws (cfs): 0 0 0 182 0 665  ows (cfs): 0 0	S4 S35 66 13.15 13. Evg-Daily Lake  S65EX1 S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps	2	Fisheating S135 Pumps S2 Pumps S3 Pumps C5	Cr 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
L001 L005 13.62 13.47  *Combination Ok  Combination Ok  Combin	L006 LZ40 13.31 13.3  eechobee A  ws (cfs): 0 0 0 182 0 665  ows (cfs): 0 0	S4 S35 66 13.15 13. Avg-Daily Lake S65EX1 S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps	2	Fisheating S135 Pumps S2 Pumps S3 Pumps C5	Cr 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

\*\*\*\*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 0.00 S308 0.50 Average Pan Evap x 0.75 Pan Coefficient = 0.19" = 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 0 cfs or 0 AC-FT

	Headwater	Tailwater				Gat	e Pos	sitior	ns	
	Elevation	Elevation	Disch	#1	#2	#3	#4	#5	#6	#7
#8	4.6.	4.5.	, ,							
(5-)	(ft-msl)	(ft-msl)	(cis)	(it)	(ft)	(it)	(it)	(it)	(it)	(it)
(ft)		/ Τ	) see n	0+0 0+	· ho++	- om				
North East S	hore	(1	) see II	oce at	ווטטנו	JOIII				
S133 Pumps		13.01	0	0	0	0	0	0	(cfs	;)
S193:			-						(	,
S191:	18.27	13.17	0	0.0	0.0	0.0				
S135 Pumps	: 12.96	13.43	0	0	0	0	0		(cfs	s)
S135 Culve	rts:		0	0.0	0.0					
North West Si										
S65E:	21.01	12.73	0	0.0	0.0	0.0	0.0	0.0	0.0	
S65EX1:		12.73	483							
S127 Pumps		13.17	0	0	0	0	0	0	(cfs	s)
S127 Culve	rt:		0	0.0						
C120 Dumpe	. 12 01	13.51	0	0	0	0			/ a f a	. \
S129 Pumps S129 Culve		13.31	0	0.0	U	U			(cfs	5)
SIZ9 CUIVE	IC.		U	0.0						
S131 Pumps	: 13.00	13.06	0	0	0				(cfs	;)
S131 Culve		20.00	0	ŭ	· ·				(020	, ,
Fisheating	Creek									
nr Palmd	ale	28.06	0							
nr Lakep	ort									
C5:		-NR-	0	-NE	- NI	RNE	<−			
South Shore	10.00	10 15			_				, -	
S4 Pumps:	12.20	13.17	0	0	0				(cfs	5)
S169:	13.35	12.20	0	0.0	0.0	0.0				
s310:	13.27		40							

```
S3 Pumps: 9.68 13.47 0 0 0 0 0 (cfs)
S354: 13.47 9.68 144 0.0 0.0
S2 Pumps: 10.17 13.34 0 0 0 0 0 0 (cfs)
S351: 13.34 10.17 122 0.0 0.0 0.0
S352: 13.85 9.66 85 0.0 0.0
C10A: -NR- 13.82 8.0 8.0 8.0 0.0 0.0
L8 Canal PT 13.66 199
                     S351 and S352 Temporary Pumps/S354 Spillway
              10.17 13.34 122 -NR--NR--NR--NR--NR-
9.66 13.85 85 -NR--NR--NR-
9.68 13.47 144 -NR--NR--NR-
  S351:
  S352:
  S354:
Caloosahatchee River (S77, S78, S79)

      S47B:
      13.41
      11.22
      0.0

      S47D:
      11.22
      11.22
      48
      6.6

                                              0.0 0.0
  S77:
    Spillway and Sector Flow:
                13.04 11.29 ***** 1.5 0.0 2.5 1.5
    Flow Due to Lockages+: 3
  S77 Below USGS Flow Gage
                                    1097
  S78:
    Spillway and Sector Flow:
                11.13 3.07 890 0.5 2.5 0.0 0.0
   Flow Due to Lockages+:
                                       18
  S79:
    Spillway and Sector Flow:
        3.19 1.51 1104 0.0 1.0 1.0 1.0 1.0 1.0
    Flow Due to Lockages+:
                                         6
    Percent of flow from S77 95% Chloride (ppm) -N
St. Lucie Canal (S308, S80)
  S308:
    Spillway and Sector Flow:
                13.73 13.45 99.95 0.0 0.0 0.0 0.0
   Flow Due to Lockages+: 0
  S308 Below USGS Flow Gage 100
S153: 18.63 13.27 0 0.0 0.0
  S80:
    Spillway and Sector Flow:
    13.48 1.06 0 0.0 0.0 0.0 0.0 0.0 0.0 Flow Due to Lockages+: 15
    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) ****
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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 Speed	1-Day	3-Day	7-Day	Directio	n
peca	(inches)	(inches)	(inches)	(Degg)	
mph)	(======,	(=======,	(=======,	(= - 5 ~ )	
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:	1.10	1.16	1.16	247	5
S78:	2.55	2.55	2.61	315	4
S79:	-45.61	-45.61	-45.40	297	9
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:	0.09	0.09	0.16	295	20
S80:	0.00	0.00	0.00	281	9
Okeechobee Average	0.60	0.10	0.10		
(Sites S78, S79 and	S80 not inc	cluded)			
Oke Nexrad Basin Avg	-NR-	0.00	0.37		

_ Okeechobee Lake Ele	evations 15	5 APR	2018	13.43 Difference	from
15APR18					
15APR18 -1 Day	= 14	4 APR	2018	13.43	0.00
15APR18 -2 Days	3 = 13	3 APR	2018	13.46	0.03
15APR18 -3 Days	s = 12	2 APR	2018	13.49	0.06
15APR18 -4 Days	s = 11	l APR	2018	13.53	0.10
15APR18 -5 Days	5 = 10	) APR	2018	13.55	0.12
15APR18 -6 Days	s = 09	9 APR	2018	13.57	0.14
15APR18 -7 Days	5 = 08	3 APR	2018	13.58	0.15
15APR18 -30 Days	5 = 16	6 MAR	2018	14.34	0.91
15APR18 -1 Year	c = 15	5 APR	2017	12.00	-1.43
15APR18 -2 Year	c = 15	5 APR	2016	14.78	1.35

Long Term Mean 30day Avearge ET for Lake Alfred (Inches) = 4.13

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Average Flow over the previous 14 days | Avg-Daily Flow
                                                                              S65E
                                                    Average Flow over previous 14 days | Avg-Daily Flow
 15APR18 Today= 15 APR 2018 104 MON | 0
15APR18 Today= 15 APR 2018 104 MON | 0
15APR18 -1 Day = 14 APR 2018 116 SUN | 0
15APR18 -2 Days = 13 APR 2018 131 SAT | 0
15APR18 -3 Days = 12 APR 2018 148 FRI | 0
15APR18 -4 Days = 11 APR 2018 166 THU | 92
15APR18 -5 Days = 10 APR 2018 176 WED | 126
15APR18 -6 Days = 09 APR 2018 184 TUE | 125
15APR18 -7 Days = 08 APR 2018 192 MON | 126
15APR18 -8 Days = 07 APR 2018 200 SUN | 127
15APR18 -9 Days = 06 APR 2018 200 SUN | 127
15APR18 -10 Days = 05 APR 2018 213 FRI | 174
15APR18 -11 Days = 04 APR 2018 217 THU | 173
15APR18 -12 Days = 03 APR 2018 212 WED | 174
15APR18 -13 Days = 02 APR 2018 199 TUE | 175
                                                                              S65EX1
                                                    Average Flow over previous 14 days | Avg-Daily Flow
 15APR18 Today=
                                                  15 APR 2018 237 MON |
15APR18 Today= 15 APR 2018 237 MON |
15APR18 -1 Day = 14 APR 2018 214 SUN |
15APR18 -2 Days = 13 APR 2018 197 SAT |
15APR18 -3 Days = 12 APR 2018 179 FRI |
15APR18 -4 Days = 11 APR 2018 167 THU |
15APR18 -5 Days = 10 APR 2018 156 WED |
15APR18 -6 Days = 09 APR 2018 150 TUE |
15APR18 -7 Days = 08 APR 2018 144 MON |
15APR18 -8 Days = 07 APR 2018 138 SUN |
15APR18 -9 Days = 06 APR 2018 138 SAT |
15APR18 -10 Days = 05 APR 2018 135 FRI |
15APR18 -11 Days = 04 APR 2018 129 THU |
15APR18 -12 Days = 03 APR 2018 144 WED |
15APR18 -13 Days = 02 APR 2018 154 TUE |
                                                                                                                                                                      389
                                                                                                                                                                     391
                                                                                                                                                                    268
                                                                                                                                                                     196
                                                                                                                                                                     189
                                                                                                                                                                     190
                                                                                                                                                                     177
                                                                                                                                                                      153
                                                                                                                                                                     154
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                                                                                                                                                                     152
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Lake Okeechobee Outlets Last 14 Days

=	Below S-77 Discharge (ALL-DAY) (AC-FT) 2176 2865 2221 734 1360 1796 1491 2353 3349 2670 944 1488 1843 2022	Discharge	S-79 Discharge (ALL DAY) (AC-FT) 2216 3056 2114 22 160 691 1269 2620 2673 1887 107 345 693 1244	
	G 251		G 254	IO Canal De
S-310 Discharge	S-351 Discharge	S-352 Discharge	S-354 Discharge	L8 Canal Pt Discharge
(ALL DAY)	(ALL DAY)			(ALL DAY)
DATE (AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)
15 APR 2018 80 14 APR 2018 297	242 461	149 785	228 1043	395 404
13 APR 2018 279	0	329	758	492
12 APR 2018 232	98	5	773	406
11 APR 2018 139	1752	525	1267	442
10 APR 2018 111	455	22	486	479
09 APR 2018 107	2471	549	992	495
08 APR 2018 148	3145	1386	1194	487
07 APR 2018 130	3241	1442	1400	532
06 APR 2018 91	3528	1701	1461	513
05 APR 2018 137	2948	1202	1434	527
04 APR 2018 135 03 APR 2018 137	3199 3424	1422 1721	1352 1582	605 624
02 APR 2018 79	3048	1378	1360	581
02 1111 2010 75	3040	1370	1300	301
S-308	Below S-308	S-80		
Discharge	Discharge	Discharge	<u>:</u>	
(ALL DAY)	(ALL-DAY)	(ALL-DAY)		
DATE (AC-FT)	(AC-FT)	(AC-FT)		
15 APR 2018 751 14 APR 2018 576	198 519	30 80		
13 APR 2018 1354	513	68		
12 APR 2018 348	219	59		
11 APR 2018 288	-130	57		
10 APR 2018 -NR-	<b>-</b> 152	37		
09 APR 2018 448	-40	60		
08 APR 2018 422 07 APR 2018 508	-106 -49	60 56		
07 APR 2018 508 06 APR 2018 481	608	47		
05 APR 2018 291	132	51		
04 APR 2018 357	223	63		
03 APR 2018 295	123	48		

02 APR 2018 349 205 59

\*\*\* 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.

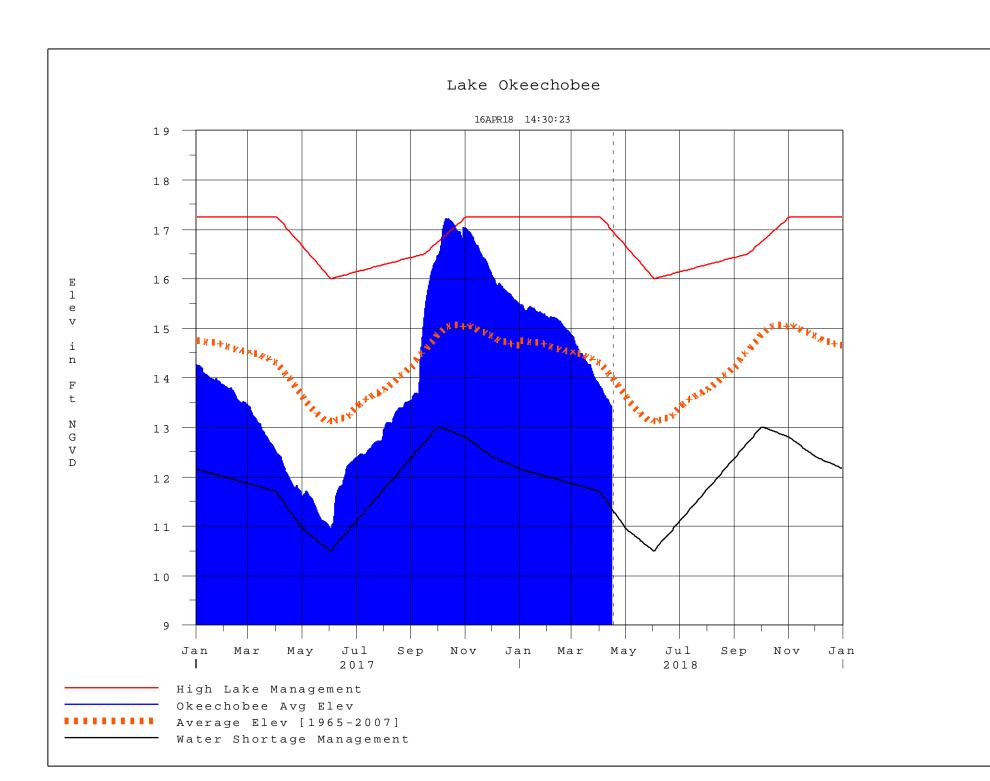
Today Lake Okechobee elevation is determined from the 4 Int & 4 Edge stations

++ 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 16APR2018 @ 14:15 \*\* 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
	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**