# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 2/04/2019 (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 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>	Em	FWMD npirical ethod <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 (Jan- Jun)	N/A	N/A N/A		0.80 Normal		Wet	0.56 Dry		
Multi Seasonal (Jan-Oct)	N/A	N/A	2.87	Wet	3.48	Wet	2.17	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:**

**6287 cfs** 14-day running average for Lake Okeechobee Net Inflow through 2/4/2019. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Very Wet.

**0.29** for Palmer Index on 2/2/2019.

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 2/4/2019

Lake Okeechobee Stage: 12.71 feet

**USACE** Report for Lake Okeechobee

Lake Okeechobee Stage Hydrograph

Lake Okeechob Zone	ee Management /Band	Bottom Elevation (feet, NGVD)	Current Lake Stage
High Lake Manage	ement Band	17.25	
	High sub-band	16.74	
Operational Band	Intermediate sub-band	15.97	
	Low sub-band	13.63	
Base Flow sub-ba	nd	12.60	← 12.71
Beneficial Use sub	o-band		
Water Shortage M	lanagement Band	11.98	

#### 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: S-79 Up to 450 cfs & S-80 Up to 200 cfs.

### Adaptive Protocol's Release Guidance: Caloosahatchee Estuary

Release Guidance Flow Chart Outcome: No releases.

**Back to Lake Okeechobee Operations Main Page** 

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

#### LORS2008 Implementation on 02/04/2019 (ENSO Neutral Condition):

#### Status for week ending 02/04/2019:

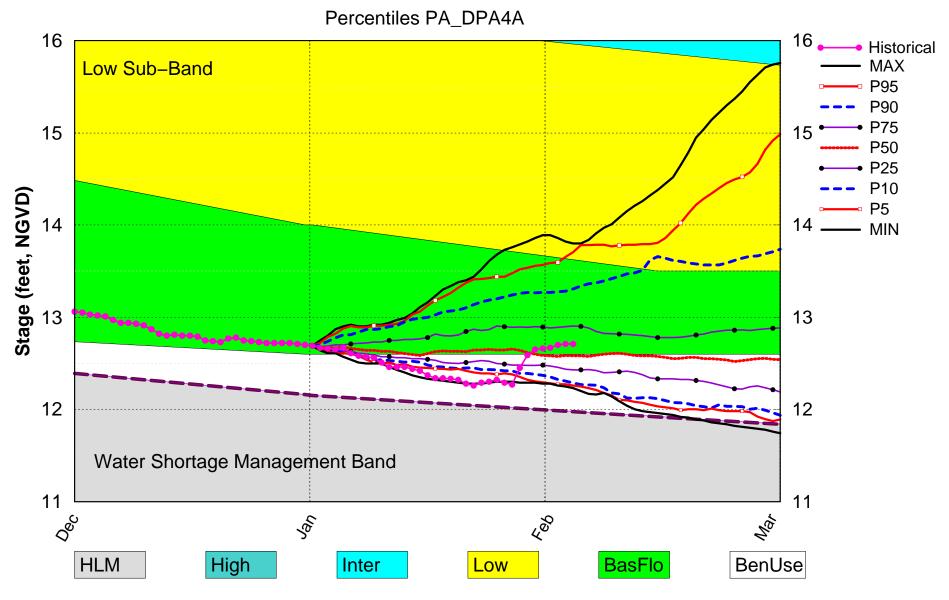
District wide, Raindar rainfall was 0.22 inches for the week. Lake stage on 02/04/2019 was12.71 ft, NGVD, up 0.26 ft from last week .The updated January 2019 SFWMM Dynamic Position Analysis percentile graph for Lake Okeechobee show that the current lake stage is in the Base Flow Sub-band. The LORS2008 Tributary Hydrologic Condition (THC) is classified as **Very Wet.** The PDSI indicates normal conditions and the LONIN is very wet. The THC classification is based on the wetter of the two indices

**Water Supply Risk Evaluation** 

Area	Indicator	Value	Color Coded Scoring Scheme
	Projected LOK Stage for the next two months	Base Flow Sub Band	M
	Palmer Index for LOK Tributary Conditions	0.29 (Normal)	L
	CPC Precipitation Outlook	1 month: Normal	L
LOK	CPC Precipitation Outlook	3 months: Above Normal	L
	LOK Seasonal Net Inflow Outlook ENSO Forecast (positive)	1.52 ft (Wet)	L
	LOK Multi-Seasonal Net Inflow Outlook	3.48 ft (Wet)	L
	ENSO Forecast (positive)		
	WCA 1: Site 1-7, Site 1-8T, & Site 1-9 Average	Above Line 1 (16.54 ft)	L
WCAs	WCA 2A: Site 2-17 HW	Above Line 1 (12.36 ft)	L
	WCA-3A: 3 Station Average (Site 63, 64 and 65)	Above Line 1 (9.57 ft)	П
	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

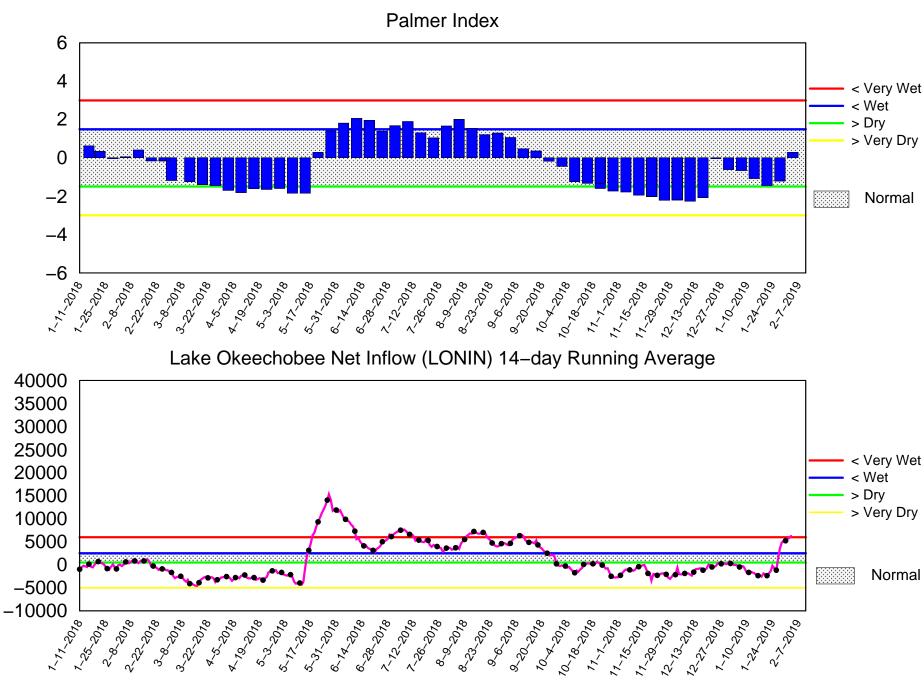
Note: The water supply risk classification based on the Palmer index, as well as the LOK seasonal and multi-seasonal net inflow outlooks use slightly different classification intervals than those used by the 2008-LORS.

# Lake Okeechobee SFWMM Jan 2019 Position Analysis



(See assumptions on the Position Analysis Results website)

# Tributary Basin Condition Indicators as of February 4 2019

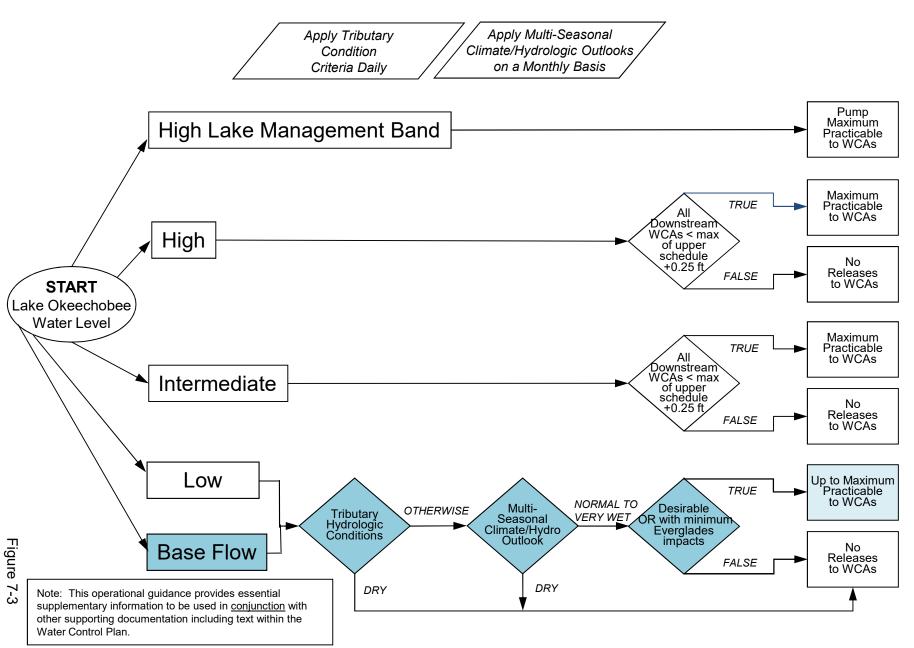


Mon Feb 04 15:23:33 EST 2019

Flow (cfs)

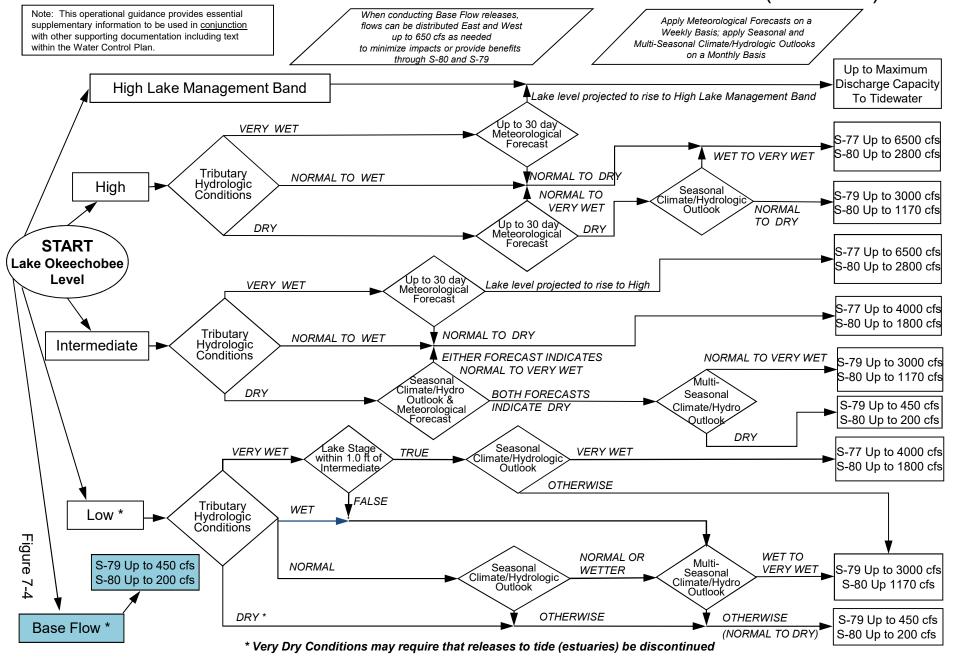
# **2008 LORS**

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

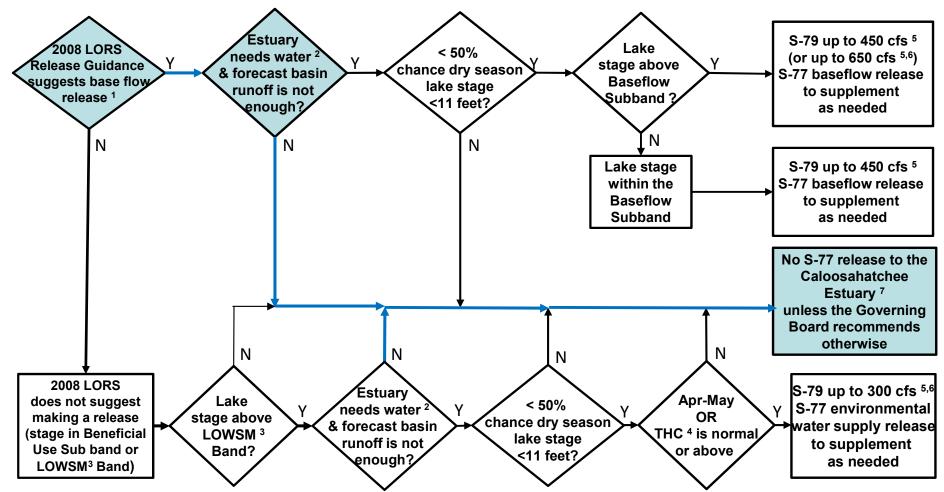


# **2008 LORS**

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



# 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.

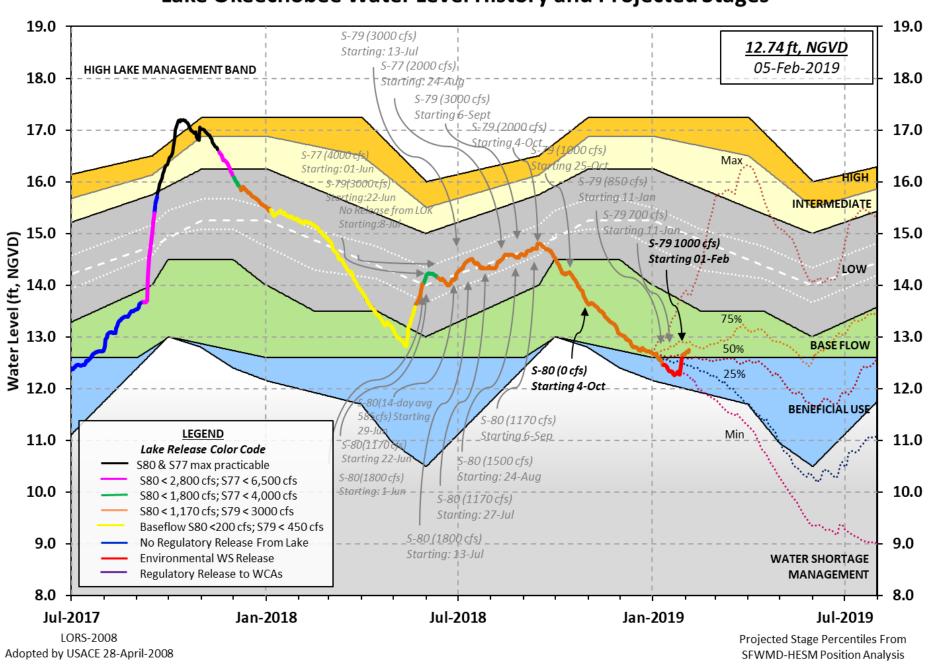
<sup>&</sup>lt;sup>4</sup>Tributary Hydrologic Condition (THC) is based on classification of Lake Okeechobee Net Inflow and Palmer Index.

<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**



#### 

Data Ending 2400 hours 03 FEB 2019

Okeechobee Lake	Regulatio	n Elevation (ft-NGVD)		Year 2YRS Ago GVD) (ft-NGVD)	
*0keechobee La		ion 12.71	15.	.19 13.82 (Of	ficial Elv)
		mt= 17.25 Top o l Management Ban		Short Mngmt= 11.	98
Difference from		008 [1965-2000] LORS2008	- NR - - NR -		
03FEB (1965-20 Difference fro		d of Record Aver rage	•	1.64 .93	
Today Lake Oke	echobee e	levation is dete	ermined fr	om the 4 Int &	4 Edge statio
	epth (Bas	ed on 2007 Chann ed on 2008 Chann 6'			
4 Interior and 4	Edge Oke	echobee Lake Ave	rage (Av	g-Daily values):	
L001 L005	L006 LZ	40 S4 S352	S308	S133	
12.71 12.77		.72 12.72 -NR		12.66	
*Combination Ok	eechobee	Avg-Daily Lake	Average =		
				(*See Note)	
Okeachohee Inflo	we (cfe):				
Okeechobee Inflo	ws (cfs): 1323	S65EX1	0	Fisheating Cr	79
		S65EX1 S191	0	Fisheating Cr S135 Pumps	79 0
S65E	1323	S191 S133 Pumps	_	S135 Pumps S2 Pumps	
S65E S154 S84 S84X	1323 0 1 238	S191 S133 Pumps S127 Pumps	0 0 0	S135 Pumps S2 Pumps S3 Pumps	0 0 0
S65E S154 S84 S84X S71	1323 0 1 238 44	S191 S133 Pumps S127 Pumps S129 Pumps	0 0 0 0	S135 Pumps S2 Pumps S3 Pumps S4 Pumps	0 0 0 0
S65E S154 S84 S84X	1323 0 1 238	S191 S133 Pumps S127 Pumps	0 0 0	S135 Pumps S2 Pumps S3 Pumps	0 0 0
S65E S154 S84 S84X S71 S72	1323 0 1 238 44 13 1698	S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps	0 0 0 0	S135 Pumps S2 Pumps S3 Pumps S4 Pumps	0 0 0 0
S65E S154 S84 S84X S71 S72 Total Inflows:	1323 0 1 238 44 13 1698	S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps	0 0 0 0	S135 Pumps S2 Pumps S3 Pumps S4 Pumps	0 0 0 0
S65E S154 S84 S84X S71 S72 Total Inflows: Okeechobee Outfl S135 Culverts S127 Culverts	1323 0 1 238 44 13 1698 ows (cfs) 0	\$191 \$133 Pumps \$127 Pumps \$129 Pumps \$131 Pumps : : \$354 \$351	0 0 0 0 0 430 0	S135 Pumps S2 Pumps S3 Pumps S4 Pumps C5	0 0 0 0
S65E S154 S84 S84X S71 S72 Total Inflows: Okeechobee Outfl S135 Culverts S127 Culverts S129 Culverts	1323 0 1 238 44 13 1698 ows (cfs) 0	\$191 \$133 Pumps \$127 Pumps \$129 Pumps \$131 Pumps : : \$354 \$351 \$352	0 0 0 0 0 430 0 223	S135 Pumps S2 Pumps S3 Pumps S4 Pumps C5	0 0 0 0 0
S65E S154 S84 S84X S71 S72 Total Inflows: Okeechobee Outfl S135 Culverts S127 Culverts S129 Culverts S131 Culverts	1323 0 1 238 44 13 1698 ows (cfs) 0 0	\$191 \$133 Pumps \$127 Pumps \$129 Pumps \$131 Pumps : : \$354 \$351	0 0 0 0 0 430 0	S135 Pumps S2 Pumps S3 Pumps S4 Pumps C5	0 0 0 0 0
S65E S154 S84 S84X S71 S72 Total Inflows: Okeechobee Outfl S135 Culverts S127 Culverts S129 Culverts	1323 0 1 238 44 13 1698 ows (cfs) 0	\$191 \$133 Pumps \$127 Pumps \$129 Pumps \$131 Pumps : : \$354 \$351 \$352	0 0 0 0 0 430 0 223	S135 Pumps S2 Pumps S3 Pumps S4 Pumps C5	0 0 0 0 0
S65E S154 S84 S84X S71 S72 Total Inflows: Okeechobee Outfl S135 Culverts S127 Culverts S129 Culverts S131 Culverts	1323 0 1 238 44 13 1698 ows (cfs) 0 0 0 618 e flow is	S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps : : : : : : : : : : : : : : : : : : :	0 0 0 0 430 0 223 68	S135 Pumps S2 Pumps S3 Pumps S4 Pumps C5  S77 S308	0 0 0 0 0
S65E S154 S84 S84X S71 S72 Total Inflows:  Okeechobee Outfl S135 Culverts S127 Culverts S129 Culverts S131 Culverts Total Outflows:  ****S77 structur ****S308 structu	1323 0 1 238 44 13 1698 ows (cfs) 0 0 618 e flow is re flow i	S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps  : S354 S351 S352 L8 Canal Pt  being used to cost being use	0 0 0 0 430 0 223 68	S135 Pumps S2 Pumps S3 Pumps S4 Pumps C5  S77 S308	0 0 0 0 0
S65E S154 S84 S84X S71 S72 Total Inflows:  Okeechobee Outfl S135 Culverts S127 Culverts S129 Culverts S131 Culverts Total Outflows:  ****S77 structur ****S308 structu Okeechobee Pan E	1323 0 1 238 44 13 1698 ows (cfs) 0 0 618 e flow is re flow i	S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps  : S354 S351 S352 L8 Canal Pt  being used to compose to compo	0 0 0 0 430 0 223 68 compute To	S135 Pumps S2 Pumps S3 Pumps S4 Pumps C5  S77 S308	0 0 0 0 0
S65E S154 S84 S84X S71 S72 Total Inflows:  Okeechobee Outfl S135 Culverts S127 Culverts S129 Culverts S131 Culverts Total Outflows:  ****S77 structur ****S308 structu  Okeechobee Pan E S77	1323 0 1 238 44 13 1698 ows (cfs) 0 0 618 e flow is re flow i vaporatio 0.17	S191 S133 Pumps S127 Pumps S129 Pumps S131 Pumps  : S354 S351 S352 L8 Canal Pt  being used to cost being use	0 0 0 0 0 430 0 223 68 compute To	S135 Pumps S2 Pumps S3 Pumps S4 Pumps C5  S77 S308  Otal Outflow. Total Outflow.	0 0 0 0 0

Evaporation - Precipitation: = 0.13" = 0.01'

Evaporation - Precipitation using Lake Area of 730 square miles

is equal to 2503 cfs out of the lake.

Lake Okeechobee (Change in Storage) Flow is 0 cfs or 0 AC-FT

	114	Tail				C-4	D.				
		Tailwater									
		Elevation			#2	#3	#4	#5	#6	#7	#8
	(tt-msl)	(ft-msl)					(+t)	(+t)	(+t)	(+t)	(†t)
		(1	I) see n	ote at	bott	om					
North East S											
S133 Pumps	: 13.45	12.69	0	0	0	0	0	0	(cf	5)	
S193:											
S191:	19.02	12.68	0	0.0	0.0	0.0					
S135 Pumps		12.63	0	0	0	0	0		(cf	5)	
S135 Culve	rts:		0	0.0	0.0						
North West S	hore										
S65E:	21.00	12.59	1323	0.6	9 6	a 5	0.5	a 5	0.5		
S65EX1:	21.00	12.59	0	0.0	0.0	0.5	0.5	0.5	0.5		
S127 Pumps		12.59	0	0	0	0	0	0	(cf	- \	
S127 Pullps		12.00	0	0.0	Ø	Ø	Ø	Ø	(С1:	)	
312/ Cuive	1		Ø	0.0							
S129 Pumps	. 13 04	12.99	0	0	0	0			(cf	: )	
S129 Culve		12.00	0	0.0	U	U			(01.	,	
JIZJ CUIVE			U	0.0							
S131 Pumps	: 13.01	12.71	0	0	0				(cfs	5)	
S131 Culve			0						`	•	
Fisheating	Creek										
nr Palmd	ale	30.46	79								
nr Lakep	ort										
C5:		-NR-	0	-NR	RNR	NF	<b>?</b> –				
South Shore											
S4 Pumps:	12.39	12.76	0	0		0			(cf	5)	
S169:	12.70	12.56	153	5.0	5.0	5.0					
S310:	12.64		158								
S3 Pumps:	9.54	12.76	0	0	0	0			(cf	5)	
S354:	12.76	9.54	430	0.9	0.9						
S2 Pumps:	9.39	- NR -	0	0	0	0	0		(cf	5)	
S351:	-NR-	9.39	0	0.0	0.0	0.0					
S352:		9.27	223	0.4	0.4						
C10A:	-NR-	12.92		8.0	8.0	8.	0 6	0.0	0.0		
L8 Canal P	T	12.77	68								
	S35:	1 and S352	Tempora	ry Pum	ıps/S3	54 Sp	oillwa	ау			
S351:	9.39	-NR-	0	-NRN	IR – – NR	2 – NR -	- NR	-NR-			
S352:	9.27			-NRN							
S354:	9.54	12.76		-NRN							
Caloosahatch	ee River (	577 578 9	79)								
			,, , ,	_							
S47B: S47D:	12.79 11.12	11.20 11.12	19	0.0 6.5	0.0						

```
S77:
   Spillway and Sector Preferred Flow:
              12.68
                        11.01
                                    0 0.0 0.0 0.0 0.0
   Flow Due to Lockages+:
                                    3
 S78:
   Spillway and Sector Flow:
                       2.97
                                  969
                                         0.5 0.0 2.5 0.0
              10.94
   Flow Due to Lockages+:
                                   10
 S79:
   Spillway and Sector Flow:
                                 2195
                                         0.0 0.0 1.0 1.0 2.0 1.0 1.0 1.0
               3.10
                         1.63
   Flow Due to Lockages+:
                                    8
   Percent of flow from S77
                                    0%
   Chloride
                       (ppm)
                                 53
St. Lucie Canal (S308, S80)
 S308:
   Spillway and Sector Preferred Flow:
              12.73
                        12.74
                                 -106 0.0 0.0 0.0 0.0
   Flow Due to Lockages+:
                                    0
 S153:
              19.02
                        12.57
                                   12
                                         0.0 0.0
 S80:
   Spillway and Sector Flow:
              12.77
                         0.94
                                    0
                                         0.0 0.0 0.0 0.0 0.0 0.0 0.0
   Flow Due to Lockages+:
                                   19
   Percent of flow from S308
                               NA %
 Steele Point Top Salinity
                              (mg/ml) ****
 Steele Point Bottom Salinity (mg/ml) ****
                              (mg/ml) ****
 Speedy Point Top Salinity
 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.
- ++ Preferred flow is determined from either the spillway discharge or the below flow meter daily

				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:	0.12	0.20	0.23	299	3
S78:	5.87	5.96	5.96	275	2
S79:	6.88	6.88	6.88	270	0
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:	2.92	2.92	2.92	319	6
S80:	0.48	0.89	0.96	298	1
Okeechobee Average	1.52	0.24	0.24		

Oke Nexrad Basin Avg	0.00	0.01	0.01	

0keechobee	Lake Elevations	03 FEB 2019	12.71 Differ	rence from 03FEB19
03FEB19	-1 Day =	02 FEB 2019	12.71	0.00
03FEB19	-2 Days =	01 FEB 2019	12.70	-0.01
03FEB19	-3 Days =	31 JAN 2019	12.67	-0.04
03FEB19	-4 Days =	30 JAN 2019	12.66	-0.05
03FEB19	-5 Days =	29 JAN 2019	12.65	-0.06
03FEB19	-6 Days =	28 JAN 2019	12.59	-0.12
03FEB19	-7 Days =	27 JAN 2019	12.45	-0.26
03FEB19	-30 Days =	04 JAN 2019	12.67	-0.04
03FEB19	-1 Year =	03 FEB 2018	15.19	2.48
03FEB19	-2 Year =	03 FEB 2017	13.82	1.11

Long Term Mean 30day Avearge ET for Lake Alfred (Inches) = 2.12

		L	ake Okee	chobee	Net Inflo	ow (LONIN)	
		Average	Flow ov	er the	previous	14 days	Avg-Daily Flow
03FEB19	Today	=	03 FEB	2019	6424	MON	721
03FEB19	-1 Day	=	02 FEB	2019	5890	SUN	2578
03FEB19	-2 Days	=	01 FEB	2019	5740	SAT	6511
03FEB19	-3 Days	=	31 JAN	2019	5275	FRI	2585
03FEB19	-4 Days	=	30 JAN	2019	5270	THU	2512
03FEB19	-5 Days	=	29 JAN	2019	4822	WED	11880
03FEB19	-6 Days	=	28 JAN	2019	3334	TUE	27528
03FEB19	-7 Days	=	27 JAN	2019	1089	MON	34888
03FEB19	-8 Days	=	26 JAN	2019	-1699	SUN	-3910
03FEB19	-9 Days	=	25 JAN	2019	-1514	SAT	-5744
03FEB19	-10 Days	=	24 JAN	2019	-867	FRI	4156
03FEB19	-11 Days	=	23 JAN	2019	-1888	THU	2602
03FEB19	-12 Days	=	22 JAN	2019	-2785	WED	-NR-
03FEB19	-13 Days	=	21 JAN	2019	-2587	TUE	-2792

					Se	55E			
				Average	Flov	v over	previous	14 days	Avg-Daily Flow
03FEB19		Today	/=	03	FEB	2019	1019	MON	1518
03FEB19	-1	Day	=	02	FEB	2019	939	SUN	1481
03FEB19	-2	Days	=	01	FEB	2019	858	SAT	1363
03FEB19	-3	Days	=	31	JAN	2019	786	FRI	1318
03FEB19	-4	Days	=	30	JAN	2019	718	THU	1320
03FEB19	-5	Days	=	29	JAN	2019	650	WED	1186
03FEB19	-6	Days	=	28	JAN	2019	593	TUE	1099
03FEB19	-7	Days	=	27	JAN	2019	540	MON	1484
03FEB19	-8	Days	=	26	JAN	2019	467	SUN	767
03FEB19	-9	Days	=	25	JAN	2019	433	SAT	584
03FEB19	-10	Days	=	24	JAN	2019	412	FRI	795
03FEB19	-11	Days	=	23	JAN	2019	379	THU	516
03FEB19	-12	Days	=	22	JAN	2019	361	WED	518
03FEB19	-13	Days	=	21	JAN	2019	343	TUE	312

			S65EX1				
		Average	Flow over	previous	14 days		Avg-Daily Flow
03FEB19	Today=	03	FEB 2019	0	MON		0
03FEB19	-1 Day =	02	FEB 2019	0	SUN		0
03FEB19	-2 Davs =	01	FEB 2019	0	SAT	- 1	0

03FEB19	-3	Days	=	31	JAN	2019	0	FRI		0
03FEB19	-4	Days	=	30	JAN	2019	0	THU		0
03FEB19	-5	Days	=	29	JAN	2019	0	WED		0
03FEB19	-6	Days	=	28	JAN	2019	0	TUE		0
03FEB19	-7	Days	=	27	JAN	2019	0	MON		0
03FEB19	-8	Days	=	26	JAN	2019	0	SUN		0
03FEB19	-9	Days	=	25	JAN	2019	0	SAT		0
03FEB19	-10	Days	=	24	JAN	2019	0	FRI		0
03FEB19	-11	Days	=	23	JAN	2019	2	THU		0
03FEB19	-12	Days	=	22	JAN	2019	2	WED		0
03FEB19	-13	Days	=	21	JAN	2019	2	TUE		0

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)	
03	FEB	2019	7	1062	1942	4303	
02	FEB	2019	5	975	1730	4058	
01	FEB	2019	5	823	2005	3695	
31	JAN	2019	5	729	3188	5840	
30	JAN	2019	139	647	4711	9680	
29	JAN	2019	3	879	5282	9945	
28	JAN	2019	4	375	5277	11108	
27	JAN	2019	2	327	3588	8368	
26	JAN	2019	3	207	817	1671	
25	JAN	2019	111	203	694	1535	
24	JAN	2019	477	488	895	1059	
23	JAN	2019	1161	856	906	1336	
22	JAN	2019	1233	1118	913	1687	
21	JAN	2019	1212	986	900	2069	
			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	Ē	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)
		2019		0	-NR -	708	134
02	FEB	2019	110	0	-NR -	718	-101
01	FEB	2019	-36	0	-NR -	1071	-187
31	JAN	2019	-155	0	-NR -	1003	57
30	JAN	2019		0	-NR -	851	-73
29	JAN	2019	-635	0	-NR -	448	-569
28	JAN	2019	-704	0	-NR -	0	-966
27	JAN	2019	-396	0	-NR -	0	-290
26	JAN	2019	-91	0	-NR -	0	44
25	JAN	2019	-6	0	-NR -	0	-22
24	JAN	2019	-103	0	-NR -	0	13
		2019		0	-NR -	0	-4
		2019		0	-NR -	0	- NR -
21	JAN	2019	143	0	-NR -	0	63
			5 200	D-1 C 200			
			S-308	Below S-308			
			Discharge	Discharge	Discharge		
	DATE	_	(ALL DAY)	(ALL-DAY)	(ALL-DAY)	1	
02	DATE		(AC-FT)	(AC-FT)	(AC-FT)		
		2019		-183	38		
		2019		62	41		
		2019		126	44		
		2019		-653	24		
		2019		-130	349		
29	JAN	2019	-8	-34	1308		

28	JAN	2019	-5	-9	656
27	JAN	2019	-561	-546	20
26	JAN	2019	-506	-34	30
25	JAN	2019	-415	47	31
24	JAN	2019	52	242	17
23	JAN	2019	149	618	29
22	JAN	2019	-0	200	16
21	JAN	2019	-1	85	21

\*\*\* 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.

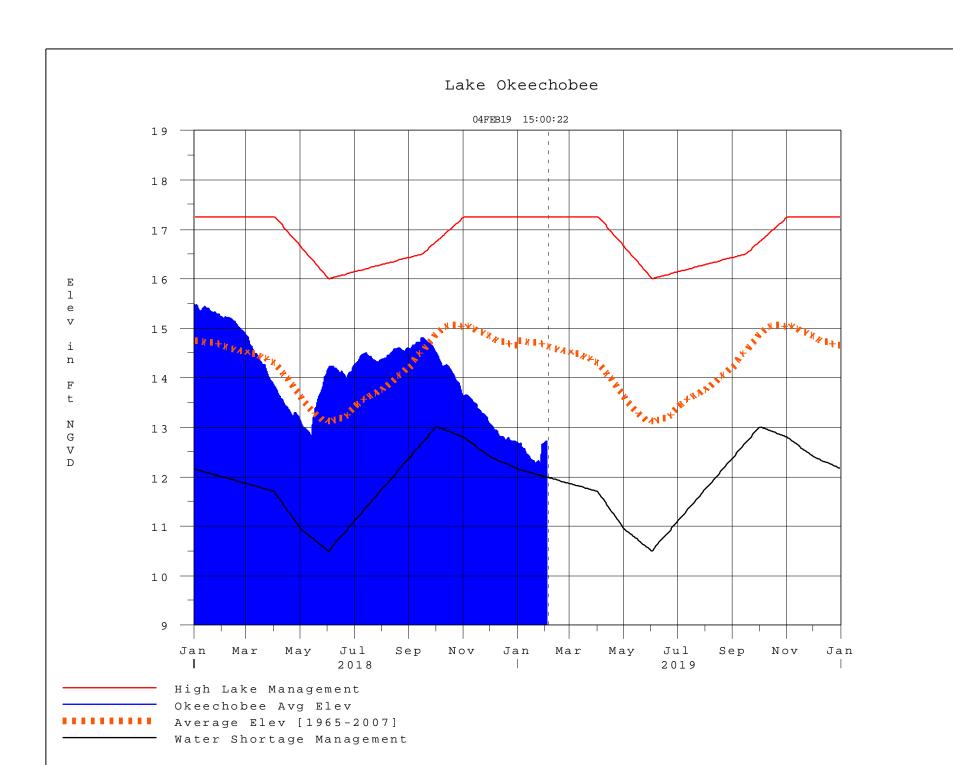
On 09 May 2011, Lake Okeechobee Elevation was switched to a 8 gage mix of interior and edge gages to obtain a more reliable representation of the lake level due to isolation of S135 from low lake levels.

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 04FEB2019 @ 23:39 \*\* 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	
	2000	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 Lake Okeechobe Depth**		
[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**