# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 1/14/2019 (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 <u>CPC Outlook</u>.

Table of the Lake Okeechobee Net Inflow Outlooks in feet of equivalent depth. All methods are updated on a weekly basis with observed net inflow for the current month.

Season		oley's ethod <sup>1*</sup>	En	FWMD npirical ethod <sup>2</sup>	Neuti	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)	<u>Condition</u>	Value (ft)	<u>Condition</u>	
Current (Jan- Jun)	N/A	N/A N/A		0.39 Dry		Normal	0.13	Dry	
Multi Seasonal (Jan-Oct)	N/A	N/A	2.91	Wet	3.63	Wet	2.07	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 LORS2008 Release Guidance Flow Charts.

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

### Tributary Hydrologic Conditions Graph:

**-1622 cfs** 14-day running average for Lake Okeechobee Net Inflow through 1/14/2019. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Dry.

**-2.07** for Palmer Index on 12/15/2018.

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

The wetter of the two conditions above is Dry.

### LORS2008 Classification Tables:

### Lake Okeechobee Stage on 1/14/2019

Lake Okeechobee Stage: 12.44 feet

USACE Report for Lake Okeechobee

Lake Okeechobee Stage Hydrograph

	ee Management /Band	Bottom Elevation (feet, NGVD)	Current Lake Stage
High Lake Manage	ement Band	17.25	
	High sub-band	16.83	
Operational Band	Intermediate sub-band	16.15	
	Low sub-band	13.87	
Base Flow sub-ba	nd	12.60	
Beneficial Use sub	o-band		← 12.44
Water Shortage N	lanagement Band	12.09	

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

Lake Okeechobee stage is within the Beneficial Use Sub-band therefore, no releases to the WCAs to manage lake stages.

### Part D of LORS2008: Discharge to Tidewater

Lake Okeechobee stage is within the Beneficial Use Sub-band therefore, no releases to the St. Lucie or Caloosahatchee Estuaries to manage lake stages.

### 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 01/14/2019 (ENSO Neutral Condition):

#### Status for week ending 01/14/2019:

District wide, Raindar rainfall was 0.009 inches for the week. Lake stage on 01/14/2019 was 12.44 ft, NGVD, down 0.14 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 Beneficial Use Sub-band. The LORS2008 Tributary Hydrologic Condition (THC) is classified as **Dry.** The PDSI indicates dry conditions and the LONIN is dry. The THC classification is based on the wetter of the two indices

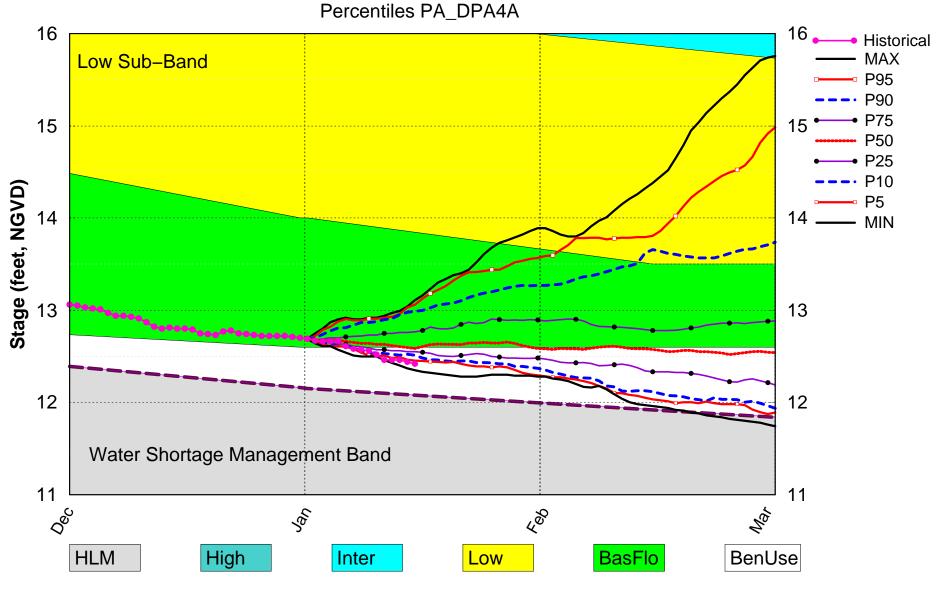
			r
Area	Indicator	Value	Color Coded Scoring Scheme
	Projected LOK Stage for the next two months	Beneficial Use Sub-Band	н
LOK	Palmer Index for LOK Tributary Conditions	-2.07* (Extremely Dry)	Н
	CPC Provinitation Outlook	1 month: Normal	L
	CPC Precipitation Outlook	3 months: Above Normal	L
	LOK Seasonal Net Inflow Outlook ENSO Forecast (positive)	1.23 ft (Normal)	L
	LOK Multi-Seasonal Net Inflow Outlook	3.63 ft (Wet)	L
	ENSO Forecast (positive)		
	WCA 1: Site 1-7, Site 1-8T, & Site 1-9 Average	Line 1- Line 2 (16.08 ft)	М
WCAs	WCA 2A: Site 2-17 HW	Above Line 1 (11.77 ft)	L
	WCA-3A: 3 Station Average (Site 63, 64 and 65)	Line 1- Line 2 (9.28 ft)	М
	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

#### Water Supply Risk Evaluation

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.

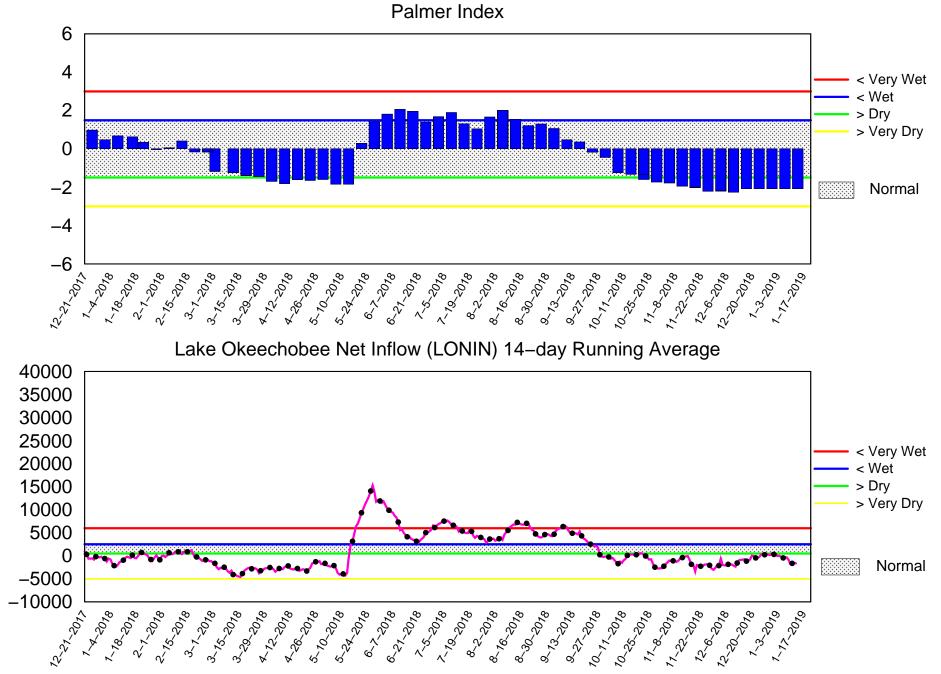
\*PDSI - using December 15th value as current data is unavailable due to partial closure of the U.S government

# Lake Okeechobee SFWMM Jan 2019 Position Analysis



(See assumptions on the Position Analysis Results website)

Tue Jan 15 10:52:53 2019



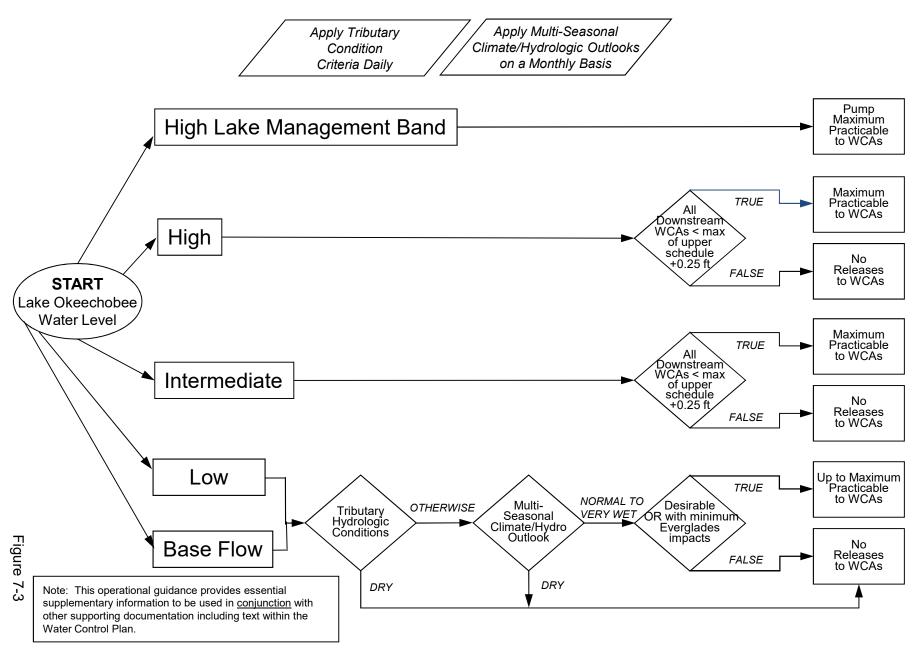
### Tributary Basin Condition Indicators as of January 14 2019

Mon Jan 14 15:35:21 EST 2019

Flow (cfs)

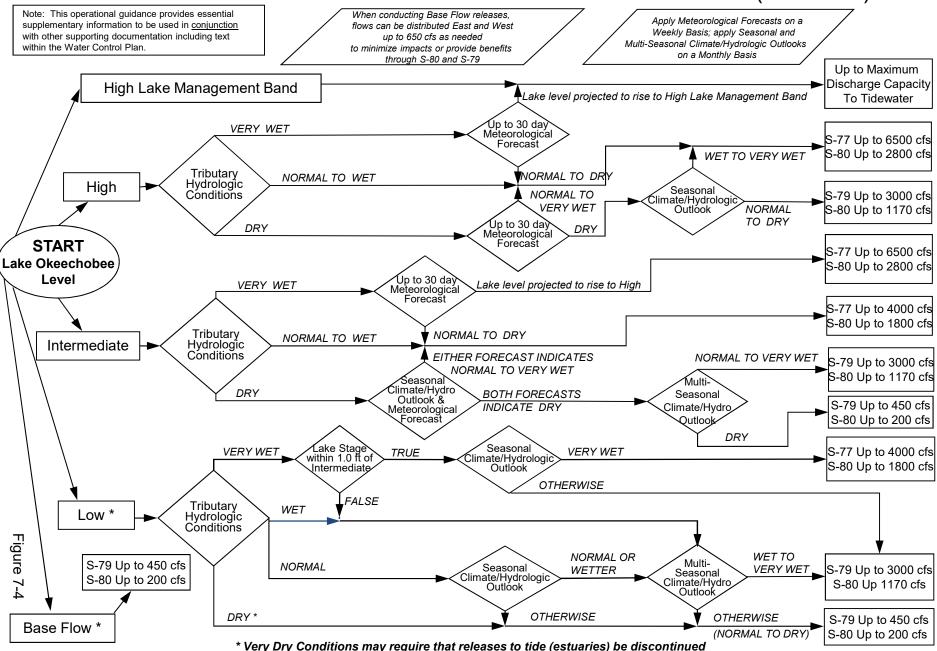
# 2008 LORS

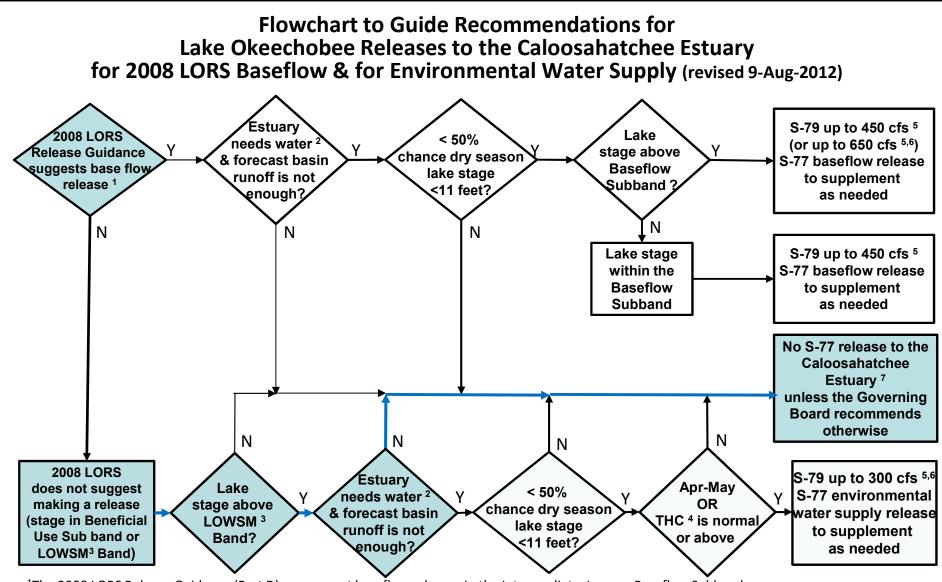
Part C: Establish Allowable Lake Okeechobee Releases to the Water Conservation Areas



## 2008 LORS

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



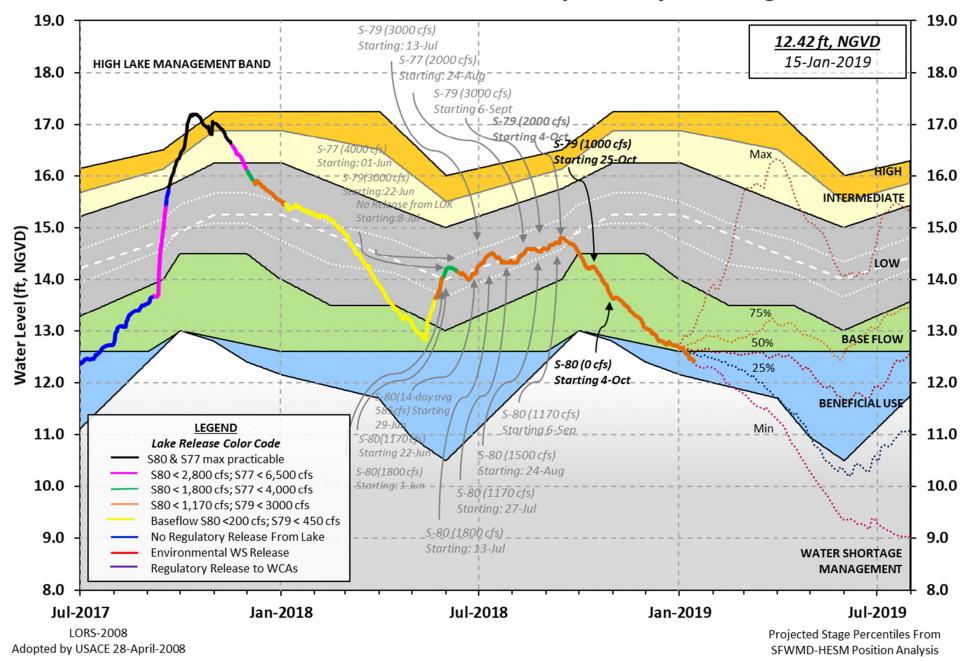


<sup>1</sup>The 2008 LORS Release Guidance (Part D) can suggest baseflow releases in the Intermediate, Low, or Baseflow Subbands. <sup>2</sup>Estuary "needs" water when the 30-day moving average salinity at I-75 bridge is projected to exceed 5 practical salinity units (psu) within 2 weeks. <sup>3</sup>LOWSM = Lake Okeechobee Water Shortage Management.

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

<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>6</sup>After reviewing conditions in Water Conservation Areas (WCAs), Stormwater Treatment Areas (STAs), ENP, St. Lucie Estuary and Lake Okeechobee. <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



U. S. Army Corps of Engineers, Jacksonville District Lake Okeechobee and Vicinity Report \*\* Preliminary Data - Subject to Revision \*\* Data Ending 2400 hours 13 JAN 2019 Okeechobee Lake Regulation Elevation Last Year 2YRS Ago (ft-NGVD) (ft-NGVD) (ft-NGVD) 12.44 \*Okeechobee Lake Elevation 15.44 14.05 (Official Elv) Bottom of High Lake Mngmt= 17.25 Top of Water Short Mngmt= 12.09 Currently in Operational Management Band Simulated Average LORS2008 [1965-2000] -NR-Difference from Average LORS2008 -NR-13JAN (1965-2007) Period of Record Average 14.71 Difference from POR Average -2.27 Today Lake Okeechobee elevation is determined from the 4 Int & 4 Edge stations ++Navigation Depth (Based on 2007 Channel Condition Survey) Route 1 ÷ 6.38' ++Navigation Depth (Based on 2008 Channel Condition Survey) Route 2  $\div$ 4.58' Bridge Clearance = 51.00' 4 Interior and 4 Edge Okeechobee Lake Average (Avg-Daily values): L005 L006 LZ40 S4 S352 S308 S133 L001 12.44 12.50 12.46 12.41 12.46 -NR- 12.43 12.39 \*Combination Okeechobee Avg-Daily Lake Average = 12.44 (\*See Note) Okeechobee Inflows (cfs): 0 Fisheating Cr S65E 384 S65EX1 4 0 S135 Pumps S154 0 S191 0 S2 Pumps S3 Pumps S133 Pumps 0 S84 0 0 0 0 0 S84X S127 Pumps S71 0 S129 Pumps 0 S4 Pumps 0 S72 50 S131 Pumps 0 C5 0 Total Inflows: 438 Okeechobee Outflows (cfs): S77 201 S135 Culverts 0 S354 1418 0 S308 S127 Culverts S351 417 -129 S129 Culverts 0 S352 453 S131 Culverts 0 L8 Canal Pt 92 Total Outflows: 2452

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****S77 structure flow is being used to compute Total Outflow.
****S308 structure flow is being used to compute Total Outflow.
Okeechobee Pan Evaporation (inches):
S77 0.18 S308 0.08
Average Pan Evap x 0.75 Pan Coefficient = 0.10" = 0.01'
Lake Average Precipitation using NEXRAD: = 0.00" = 0.00'
Evaporation - Precipitation: = 0.10" = 0.01'
Evaporation - Precipitation using Lake Area of 730 square miles
is equal to 1914 cfs out of the lake.
Lake Okeechobee (Change in Storage) Flow is -3933 cfs or -7800 AC-FT
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	Headwater	Tailwater	Gate Positions							
	Elevation	Elevation	Disch	#1	#2	#3	#4	#5	#6 #7	
#8	(ft-msl)	(ft-msl)	(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft) (ft	)
(ft)		(т	) see n		bott	Om				
North East S	hore	( 1	) 500 11	ole al		2011				
S133 Pumps S193:		12.34	0	0	0	0	0	0	(cfs)	
S191:	18.25	12.35	0	0.0	0.0	0.0				
S135 Pumps		12.37	0		0.0	0.0	0		(cfs)	
S135 Culve		11.07	0	0.0		0	0		(010)	
North West S	hore									
S65E:	20.92	12.18	384	0.2	0.4	0.0	0.0	0.2	0.2	
S65EX1:	20.92	12.18	0							
S127 Pumps	: 12.64	12.35	0	0	0	0	0	0	(cfs)	
S127 Culve	rt:		0	0.0						
S129 Pumps	: 12.96	12.60	0	0	0	0			(cfs)	
S129 Culve	rt:		0	0.0						
S131 Pumps		12.33	0	0	0				(cfs)	
S131 Culve	rt:		0							
Fisheating			4							
nr Palmd nr Lakep		28.26	4							
C5:		-NR-	0	-NF	R− −NF	RNF	۶–			
South Shore										
S4 Pumps:	12.43	12.45	0	0		0			(cfs)	
S169: S310:	12.49 12.41	12.47	41 69	5.0	5.0	5.0				

 S3 Pumps:
 11.13
 12.52
 0
 0
 0
 0
 (cfs)

 S354:
 12.52
 11.13
 201
 0.6
 0.6
 (cfs)

 S2 Pumps:
 11.08
 -NR 0
 0
 0
 0
 (cfs)

 S351:
 -NR 11.08
 417
 0.8
 0.8
 0.6
 (cfs)

 S352:
 \_\_\_\_\_\_
 11.17
 453
 0.7
 0.9
 (c10A:
 -NR 12.66
 8.0
 8.0
 0.0
 0.0

 L8 Canal PT
 12.50
 92
 92
 92
 92
 10.0
 0.0
 0.0
 0.0

 S351 and S352 Temporary Pumps/S354 Spillway S351: 11.08 -NR-417 -NR--NR--NR--NR--NR-S352: 11.17 453 -NR--NR--NR--NR-11.13 12.52 S354: 201 -NR--NR--NR--NR-Caloosahatchee River (S77, S78, S79) S47D: 11.38 11.39 -9 6.5 S77: Spillway and Sector Preferred Flow: 12.29 11.25 1416 0.0 3.0 3.0 3.0 2 Flow Due to Lockages+: S78: Spillway and Sector Flow: 11.19 3.04 881 0.0 2.5 0.0 0.0 13 Flow Due to Lockages+: S79: Spillway and Sector Flow: 3.12 1.28 1166 0.0 0.0 1.0 1.0 1.0 1.0 0.0 0.0 Flow Due to Lockages+: 
 DLOCKAGES+:
 9

 flow from S77
 121%

 (ppm)
 60
 9 Percent of flow from S77 Chloride St. Lucie Canal (S308, S80) S308: Spillway and Sector Preferred Flow: 12.46 12.50 -129 0.0 0.0 0.0 0.0 Flow Due to Lockages+: 0 18.52 12.25 0 0.0 0.0 S153: S80: Spillway and Sector Flow: 
 12.51
 0.11
 0
 0.0
 0.0
 0.0
 0.0
 0.0

 Flow Due to Lockages+:
 21
 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) \*\*\*\*

+ 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		(in the tr)	(in the s)		
(mph)	(Inches)	(Inches)	(inches)	(Degø)	
S133 Pump Station:	-NR-	0.00	0.00		
S193:	-NR-	0.00	0.00	-NR-	-NR
Okeechobee Field Station:	-NR-	0.00	0.00	INIC	INIC
S135 Pump Station:	-NR-	0.00	0.00		
S127 Pump Station:	-NR-	0.00	0.00		
S129 Pump Station:	-NR-	0.00	0.00		
S131 Pump Station:	-NR-	0.00	0.00		
s77:	0.00	0.00	0.00	282	
S78:	0.00	0.00	0.00	286	
S79:	0.00	0.00	0.00	270	(
S4 Pump Station:	-NR-	0.00	0.00	270	
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	309	
S80:	0.00	0.07	0.07	247	
Okeechobee Average	0.00	0.00	0.00	21/	-
(Sites S78, S79 and		luded)			
Oke Nexrad Basin Avg		0.00	0.00		
_ Okeechobee Lake Elevations	13 JAN 2019		12.44 Differ	cence from	ı
OKEECHODEE HAKE EIEVACIONS					_
13JAN19	10 TAN 2010		10 10	0 0	
13JAN19 13JAN19 -1 Day =	12 JAN 2019		12.46	0.0	
13JAN19 13JAN19 -1 Day = 13JAN19 -2 Days =	11 JAN 2019		12.46	0.0	2
13JAN19 13JAN19 -1 Day = 13JAN19 -2 Days = 13JAN19 -3 Days =	11 JAN 2019 10 JAN 2019		12.46 12.46	0.0 0.0	)2 )2
13JAN19 13JAN19 -1 Day = 13JAN19 -2 Days = 13JAN19 -3 Days = 13JAN19 -4 Days =	11 JAN 2019 10 JAN 2019 09 JAN 2019		12.46 12.46 12.52	0.0 0.0 0.0	)2 )2 )8
13JAN19 13JAN19 -1 Day = 13JAN19 -2 Days = 13JAN19 -3 Days = 13JAN19 -4 Days = 13JAN19 -5 Days =	11 JAN 2019 10 JAN 2019 09 JAN 2019 08 JAN 2019		12.46 12.46 12.52 12.56	0.0 0.0 0.0 0.1	)2 )2 )8 _2
13JAN19 13JAN19 -1 Day = 13JAN19 -2 Days = 13JAN19 -3 Days = 13JAN19 -4 Days = 13JAN19 -5 Days = 13JAN19 -6 Days =	11 JAN 2019 10 JAN 2019 09 JAN 2019 08 JAN 2019 07 JAN 2019		12.46 12.46 12.52 12.56 12.57	0.0 0.0 0.0 0.1 0.1	)2 )2 )8 .2 .3
13JAN19 13JAN19 -1 Day = 13JAN19 -2 Days = 13JAN19 -3 Days = 13JAN19 -4 Days = 13JAN19 -5 Days = 13JAN19 -6 Days = 13JAN19 -7 Days =	11 JAN 2019 10 JAN 2019 09 JAN 2019 08 JAN 2019 07 JAN 2019 06 JAN 2019		12.46 12.46 12.52 12.56 12.57 12.58	0.0 0.0 0.1 0.1 0.1	)2 )2 )8 .2 .3 .4
13JAN19 13JAN19 -1 Day = 13JAN19 -2 Days = 13JAN19 -3 Days = 13JAN19 -4 Days = 13JAN19 -5 Days = 13JAN19 -6 Days = 13JAN19 -7 Days = 13JAN19 -30 Days =	11 JAN 2019 10 JAN 2019 09 JAN 2019 08 JAN 2019 07 JAN 2019 06 JAN 2019 14 DEC 2018		12.46 12.52 12.55 12.56 12.57 12.58 12.80	0.0 0.0 0.1 0.1 0.1 0.3	)2 )2 )8 .2 .3 .4
13JAN19 13JAN19 -1 Day = 13JAN19 -2 Days = 13JAN19 -3 Days = 13JAN19 -4 Days = 13JAN19 -5 Days = 13JAN19 -6 Days = 13JAN19 -7 Days =	11 JAN 2019 10 JAN 2019 09 JAN 2019 08 JAN 2019 07 JAN 2019 06 JAN 2019		12.46 12.46 12.52 12.56 12.57 12.58	0.0 0.0 0.1 0.1 0.1	02 02 08 .2 .3 .4 36 00

Lake Okeechobee Net Inflow (LONIN) Average Flow over the previous 14 days | Avg-Daily Flow

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13JAN19 Today	- =	13 JAN 2019	-1814 MON	-1353
13JAN19 -1 Day	=	12 JAN 2019	-1703 SUN	-NR-
13JAN19 -2 Days	=	11 JAN 2019	-1559 SAT	2019
13JAN19 -3 Days	=	10 JAN 2019	-1586 FRI	-10062
13JAN19 -4 Days	=	09 JAN 2019	-782 THU	-6192
13JAN19 -5 Days	=	08 JAN 2019	-259 WED	-205
13JAN19 -6 Days	=	07 JAN 2019	-321 TUE	486
13JAN19 -7 Days	=	06 JAN 2019	-383 MON	-2751
13JAN19 -8 Days	=	05 JAN 2019	-198 SUN	-8898
13JAN19 -9 Days	=	04 JAN 2019	93 SAT	5863
13JAN19 -10 Days	=	03 JAN 2019	-152 FRI	-45
13JAN19 -11 Days	=	02 JAN 2019	423 THU	-293
13JAN19 -12 Days	=	01 JAN 2019	368 WED	-2570
13JAN19 -13 Days	=	31 DEC 2018	602 TUE	415

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-						Se	55E			
					Average	Flow	v over	previous	14 days	Avg-Daily Flow
	13JAN19		Today	/=	13	JAN	2019	284	MON	455
	13JAN19	-1	Day	=	12	JAN	2019	268	SUN	286
	13JAN19	-2	Days	=	11	JAN	2019	272	SAT	289
	13JAN19	-3	Days	=	10	JAN	2019	273	FRI	335
	13JAN19	-4	Days	=	09	JAN	2019	259	THU	263
	13JAN19	-5	Days	=	08	JAN	2019	249	WED	260
	13JAN19	-6	Days	=	07	JAN	2019	237	TUE	-NR-
	13JAN19	-7	Days	=	06	JAN	2019	227	MON	266
	13JAN19	-8	Days	=	05	JAN	2019	216	SUN	278
	13JAN19	-9	Days	=	04	JAN	2019	202	SAT	288
	13JAN19	-10	Days	=	03	JAN	2019	182	FRI	279
	13JAN19	-11	Days	=	02	JAN	2019	162	THU	264
	13JAN19	-12	Days	=	01	JAN	2019	155	WED	235
	13JAN19	-13	Days	=	31	DEC	2018	150	TUE	201

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						Se	55EX1				
					Average	Flow	v over	previous	14 days		Avg-Daily Flow
	13JAN19		Today	/=	13	JAN	2019	2	MON		0
	13JAN19	-1	Day	=	12	JAN	2019	2	SUN		0
	13JAN19	-2	Days	=	11	JAN	2019	2	SAT		0
	13JAN19	-3	Days	=	10	JAN	2019	2	FRI	Í	29
	13JAN19	-4	Days	=	09	JAN	2019	0	THU	Í	0
	13JAN19	-5	Days	=	08	JAN	2019	4	WED	Í	0
	13JAN19	-б	Days	=	07	JAN	2019	15	TUE		0
	13JAN19	-7	Days	=	06	JAN	2019	26	MON	Í	0
	13JAN19	-8	Days	=	05	JAN	2019	37	SUN	Í	0
	13JAN19	-9	Days	=	04	JAN	2019	49	SAT	Í	0
	13JAN19	-10	Days	=	03	JAN	2019	67	FRI	Í	0
	13JAN19	-11	Days	=	02	JAN	2019	96	THU	Í	0
	13JAN19	-12	Days	=	01	JAN	2019	98	WED	Í	0
	13JAN19	-13	Days	=	31	DEC	2018	109	TUE	İ	0

\_ Lake Okeechobee Outlets Last 14 Days

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	S-77	Below S-77	S-78	S-79		
		Discharge		Discharge		
		(ALL-DAY)				
DATE	(AC-FT)	(AC-FT)		(AC-FT)		
13 JAN 2019		2644	1757	2311		
12 JAN 2019		2199	1796	2567		
11 JAN 2019		1388	846	1683		
10 JAN 2019		1083	300	183		
09 JAN 2019	811	670	303	811		
08 JAN 2019	1271	1218	736	1652		
07 JAN 2019	2508	2274	1787	2059		
06 JAN 2019	3670	3527	2327	3000		
05 JAN 2019	3469	3307	2825	3666		
04 JAN 2019	2736	2516	1802	2283		
03 JAN 2019	609	821	324	224		
02 JAN 2019	624	701	576	1028		
01 JAN 2019	1286	1418	1206	1558		
31 DEC 2018	2475	2595	1592	1892		
	S-310	S-351	S-352	S-354	L8 Canal Pt	
	Discharge		Discharge			
				(ALL DAY)		
DATE	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)	
13 JAN 2019		827	-NR-	297	182	
12 JAN 2019		956	-NR-	208	113	
11 JAN 2019		832	-NR-	311	171	
10 JAN 2019		705	-NR-	292	206	
09 JAN 2019		1037	-NR-	210	264	
08 JAN 2019		1312	-NR-	0	222	
07 JAN 2019		1191	-NR-	-NR-	190	
06 JAN 2019		1173	-NR-	218	189	
05 JAN 2019		269	-NR-	299	308	
04 JAN 2019		137	-NR-	119	211	
03 JAN 2019		1242	-NR-	706	218	
02 JAN 2019		899	-NR-	397	261	
01 JAN 2019		491	-NR-	125	205	
31 DEC 2018	130	657	-NR-	349	212	
	S-308		8 S-80			
	5-300	Below S-30	0 5-00			

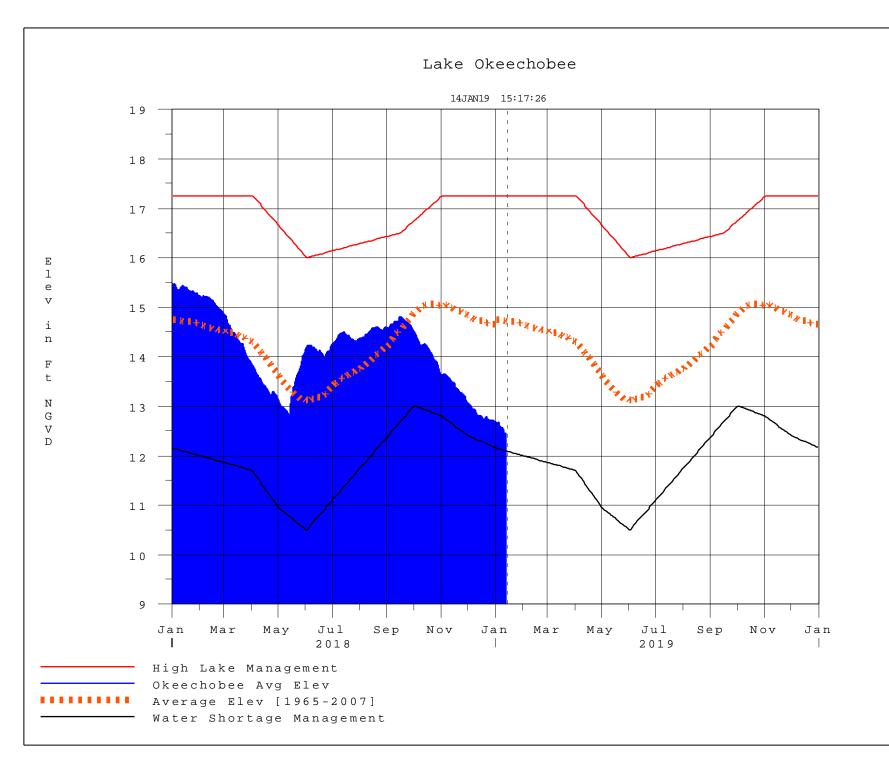
			S-308	Below S-308	S-80	
			Discharge	Discharge	Discharge	
			(ALL DAY)	(ALL-DAY)	(ALL-DAY)	
	DATE		(AC-FT)	(AC-FT)	(AC-FT)	
13	JAN	2019	-296	70	41	
12	JAN	2019	-431	215	30	
11	JAN	2019	-447	30	36	
10	JAN	2019	-326	3	23	
09	JAN	2019	-351	27	31	
08	JAN	2019	-397	-163	35	
07	JAN	2019	-1	-14	21	
06	JAN	2019	-2	26	54	
05	JAN	2019	- 0	-70	44	
04	JAN	2019	-182	-288	54	
03	JAN	2019	-179	40	50	
02	JAN	2019	-0	-35	36	
01	JAN	2019	-304	-151	50	
31	DEC	2018	-206	-39	14	

and	Lockages	Discharges	fro	m 0015 hr	s to 2	2400 hrs.		

(I) - Flows preceeded 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 14JAN2019 @ 15:15 \*\* 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

• <u>6-15 Day Precipitation Outlook Categories</u>

Table ?? in the Lake Okeechobee Water Control Plan

<u>Classification of Lake Okeechobee Net Inflow for Seasonal</u>

<u>Outlook</u>

 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

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### Back to U.S. Army Corps of Engineers Lake Okeechobee Operations Homepage

Tributary Hydrologic Classification*	Palmer Index Class Limits	2-wk Mean L.O. Net 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

\* 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
		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

\*\*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

\*\*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

\* Corresponds to Table 7-6 in the Lake Okeechobee Water Control Plan

Under Construction