Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 4/15/2019 (ENSO Neutral Condition)

Lake Okeechobee Net Inflow Outlook:

The Lake Okeechobee Net Inflow Outlook has been computed using 4 methods: Croley's method¹, the SFWMD empirical method², a sub-sampling of Neutral years³ and a sub-sampling of warm years of the Atlantic Multi-decadal Oscillation (AMO) in combination with La Nina ENSO years⁴. 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	Croley's Method ^{1*}		SFWMD Empirical Method ²		Sub-sampling of Neutral ENSO Years ³		Sub-sampling of AMO Warm + Neutral ENSO Years ⁴	
	Value (ft)	Condition	Value (ft)	<u>Condition</u>	Value (ft)	<u>Condition</u>	Value (ft)	Condition
Current (Apr- Sep)	N/A	N/A	1.93	Wet	2.26	Very Wet	2.87	Very Wet
Multi Seasonal (Apr-Oct)	N/A	N/A	2.63	Wet	2.84	Wet	3.93	Wet

*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:

-1223 cfs 14-day running average for Lake Okeechobee Net Inflow through 4/14/2019. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Dry.

-0.94 for Palmer Index on 4/13/2019.

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

The wetter of the two conditions above is Normal.

LORS2008 Classification Tables:

Lake Okeechobee Stage on 4/8/2019

Lake Okeechobee Stage: 11.62 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	16.98	
	High sub-band	16.29	
Operational Band	Intermediate sub-band	15.39	
	Low sub-band	13.50	
Base Flow sub-band		12.60	
Beneficial Use sub	o-band		← 11.62
Water Shortage M	lanagement Band	11.35	

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 04/15/2019 (ENSO El Niño Condition):

Status for week ending 04/15/2019:

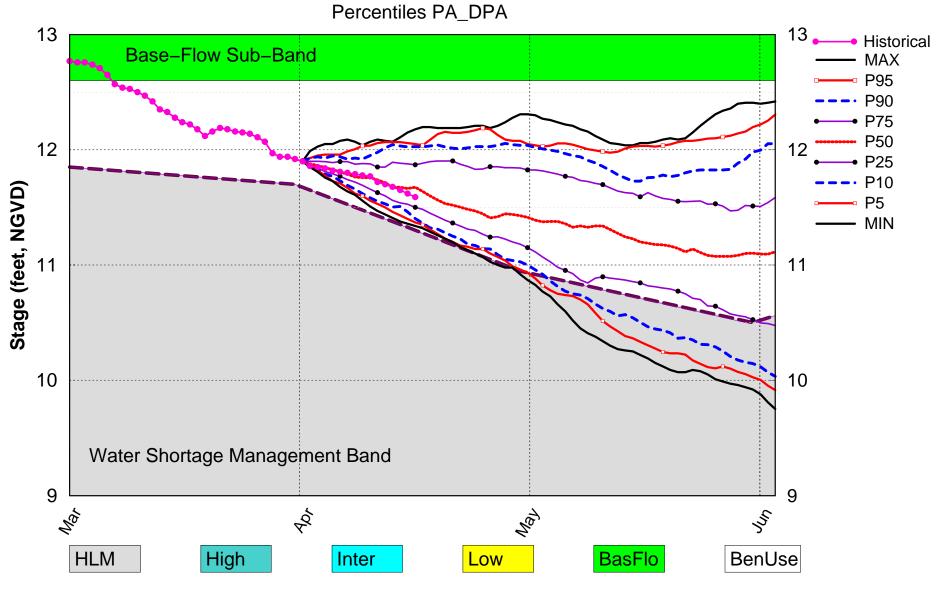
District wide, Raindar rainfall was 0.75 inches for the week. Lake stage on 04/15/2019 was 11.62ft, NGVD, down 0.17 ft from last week .The updated April 2019 SFWMM Dynamic Position Analysis percentile graph for Lake Okeechobee show that the current lake stage is in the Beneficial Use Sub-band. The LORS2008 Tributary Hydrologic Conditions (THC) are classified as **Normal.** The PDSI indicates normal conditions and the LONIN is dry. 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	Beneficial Use Sub-Band	н
	Palmer Index for LOK Tributary Conditions	-0.94 (Normal)	L
	CPC Provinitation Outlook	1 month: Above Normal	L
LOK	CPC Precipitation Outlook	3 months: Above Normal	L
	LOK Seasonal Net Inflow Outlook ENSO Forecast (positive)	2.26 ft (Normal to Extremely Wet)	L
	LOK Multi-Seasonal Net Inflow Outlook	2.84 ft (Normal)	М
	ENSO Forecast (positive)		
	WCA 1: Site 1-7, 1-8T, & Site 1-9 Average	Above Line 1 (16.06 ft)	L
WCAs	WCA 2A: Site 2-17 HW	Above Line 1 (11.94 ft)	L
	WCA-3A: 3 Station Average (Site 63, 64, and 65)	Above Line 1 (9.37 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.

Lake Okeechobee SFWMM Apr 2019 Position Analysis

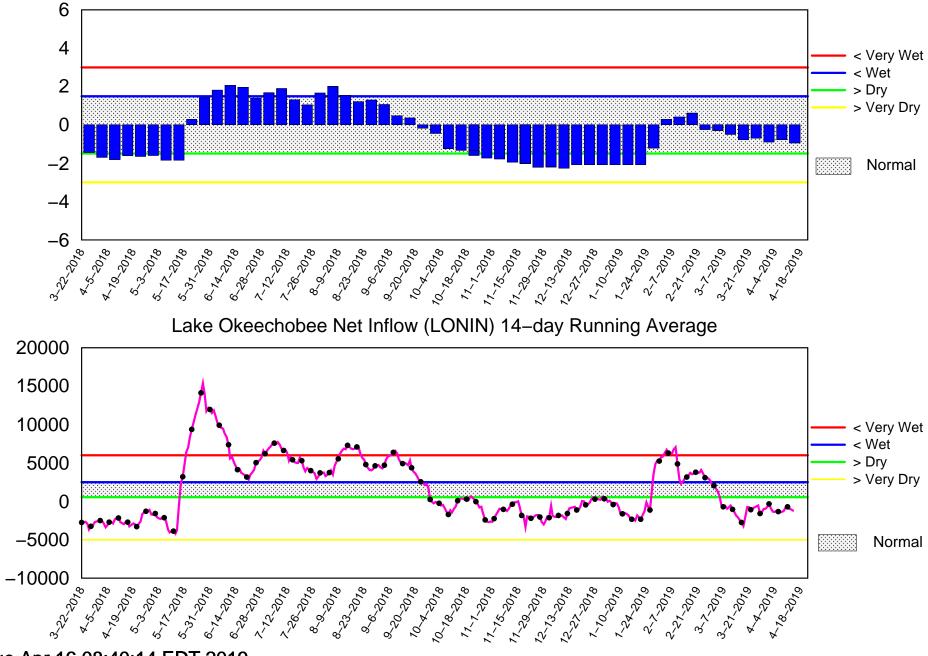


(See assumptions on the Position Analysis Results website)

Tue Apr 16 08:40:31 EDT 2019

Tributary Basin Condition Indicators as of April 15 2019

Palmer Index

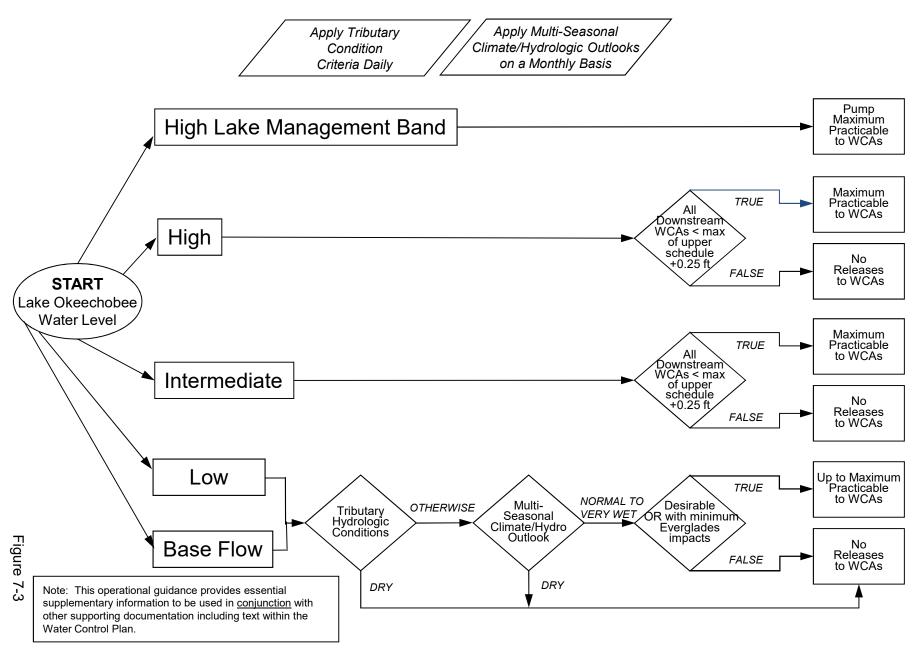


Tue Apr 16 08:40:14 EDT 2019

Flow (cfs)

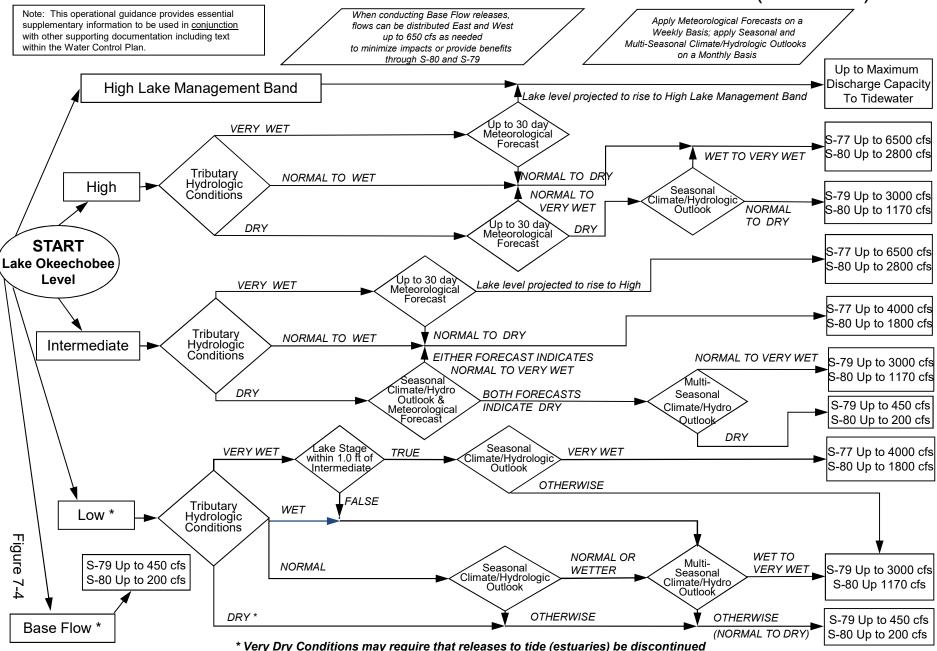
2008 LORS

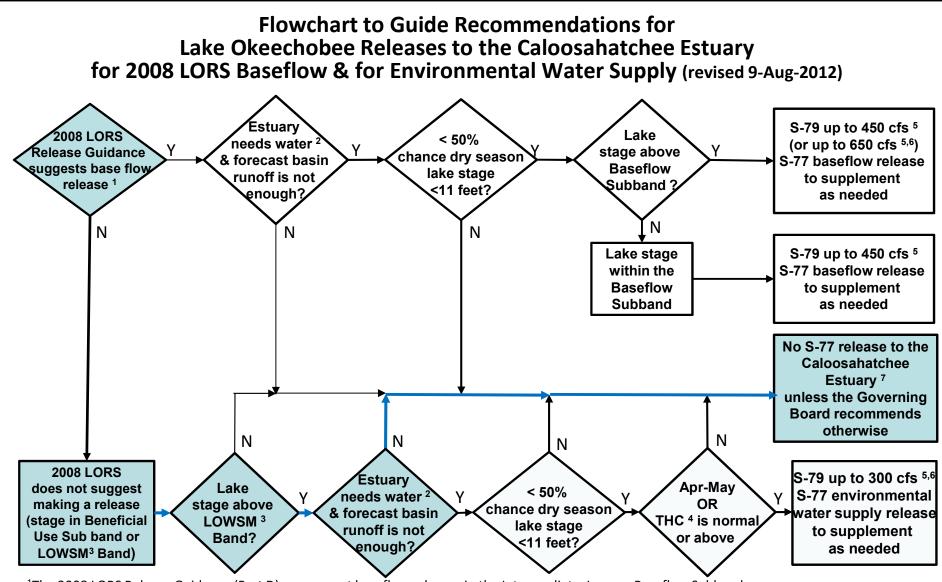
Part C: Establish Allowable Lake Okeechobee Releases to the Water Conservation Areas



2008 LORS

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

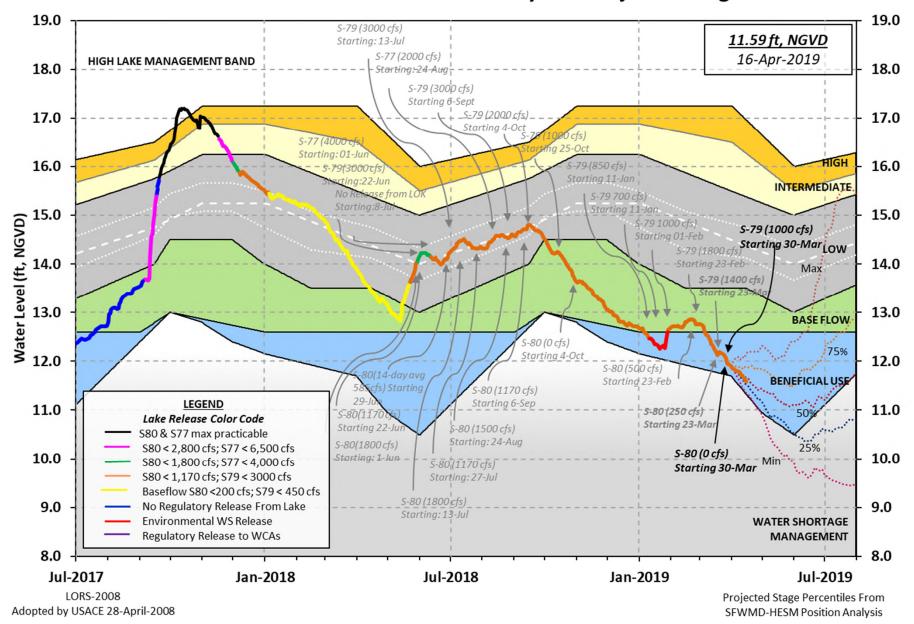




¹The 2008 LORS Release Guidance (Part D) can suggest baseflow releases in the Intermediate, Low, or Baseflow Subbands. ²Estuary "needs" water when the 30-day moving average salinity at I-75 bridge is projected to exceed 5 practical salinity units (psu) within 2 weeks. ³LOWSM = Lake Okeechobee Water Shortage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

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

⁵Can release less than the "up to" limit if lower release is sufficient to reach or sustain desired estuary salinity; cfs = cubic feet per second. ⁶After reviewing conditions in Water Conservation Areas (WCAs), Stormwater Treatment Areas (STAs), ENP, St. Lucie Estuary and Lake Okeechobee. ⁷Should 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 14 APR 2019

Okeechobee Lake Regulation Elevation Last Year 2YRS Ago (ft-NGVD) (ft-NGVD) (ft-NGVD) *Okeechobee Lake Elevation 11.62 13.43 -NR- (Official Elv) Bottom of High Lake Mngmt= 16.98 Top of Water Short Mngmt= 11.35 Currently in Operational Management Band Simulated Average LORS2008 [1965-2000] 12.77 Difference from Average LORS2008 -1.15 14APR (1965-2007) Period of Record Average 14.01 Difference from POR Average -2.39 Today Lake Okeechobee elevation is determined from the 4 Int & 4 Edge stations ++Navigation Depth (Based on 2007 Channel Condition Survey) Route 1 ÷ 5.56' ++Navigation Depth (Based on 2008 Channel Condition Survey) Route 2 ÷ 3.76' Bridge Clearance = -NR-' 4 Interior and 4 Edge Okeechobee Lake Average (Avg-Daily values): L001 L005 L006 LZ40 S4 S352 S308 S133 11.72 11.70 11.55 11.58 11.48 -NR-11.56 11.75 *Combination Okeechobee Avg-Daily Lake Average = 11.62 (*See Note) Okeechobee Inflows (cfs): S65E 0 673 Fisheating Cr S65EX1 14 S154 0 0 S191 S135 Pumps 0 S84 0 S133 Pumps 0 S2 Pumps 0 S84X 71 S127 Pumps 0 S3 Pumps 0 0 S71 88 S129 Pumps S4 Pumps 0 0 S72 0 S131 Pumps C5 0 Total Inflows: 846 Okeechobee Outflows (cfs): S135 Culverts S354 764 S77 679 0 S127 Culverts 0 S351 880 S308 96 S129 Culverts S352 724 0 S131 Culverts 0 L8 Canal Pt -2 Total Outflows: 3141

****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 0.00 S308 0.22

Average Pan Evap x 0.75 Pan Coefficient = 0.08" = 0.01'

Lake Average Precipitation using NEXRAD: = 0.46" = 0.04'

Evaporation - Precipitation: = -0.38" = -0.03'

Evaporation - Precipitation using Lake Area of 730 square miles

is equal to 7410 cfs into the lake.

Lake Okeechobee (Change in Storage) Flow is -5294 cfs or -10500 AC-FT
```

]	Headwater	Tailwater				Gat	ce Pos	sitior	ns	
]	Elevation	Elevation	Disch	#1	#2	#3	#4	#5	#6 #7	#8
	(ft-msl)	(ft-msl)	(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft) (ft)	(ft)
		(I) see n	ote at	bott	com				
North East She	ore									
S133 Pumps:	12.53	11.70	0	0	0	0	0	0	(cfs)	
S193:										
S191:	16.41	11.67	0	0.0	0.0	0.0				
S135 Pumps:		11.65	0	0	0	0	0		(cfs)	
S135 Culver	ts:		0	0.0	0.0					
North West She										
S65E:	21.14	11.48	0	0.0	0.0	0.0	0.0	0.0	0.0	
S65EX1:	21.14	11.48	673							
S127 Pumps:		11.60	0	0	0	0	0	0	(cfs)	
S127 Culver	t:		0	0.0						
			•						(5)	
S129 Pumps:		11.66	0	0	0	0			(cfs)	
S129 Culver	τ:		0	0.0						
0121 Dummeret	10 50	11 64	0	0	0				(
S131 Pumps: S131 Culver	12.59	11.64	0 0	0	0				(cfs)	
SISI CUIVEL	L·		0							
Fisheating (Trook									
nr Palmda		28.69	14							
nr Lakepo:		20.09	± 1							
C5:		-NR-	0	-NR	NF	R− −NF	? _			
			0							
South Shore										
S4 Pumps:	11.48	11.44	0	0	0	0			(cfs)	
S169:	11.50	11.49	74	4.9	4.9	4.9				
S310:	11.47		63							
S3 Pumps:	11.10	11.50	0	0	0	0			(cfs)	
s354:	11.50	11.10	764	3.7	3.7					
S2 Pumps:	11.18	-NR-	0	0	0	0	0		(cfs)	
s351:	-NR-	11.18	880	3.9	3.9	3.9				
S352:		11.16	724	3.4	3.4					
C10A:	-NR-	11.81		8.0	8.0) 8.	.0 0	0.0	0.0	

S351 and S352 Temporary Pumps/S354 Spillway S351: 11.18 -NR-880 -NR--NR--NR--NR--NR-S352: 11.16 724 -NR--NR--NR-S354: 11.10 11.50 764 -NR--NR--NR-Caloosahatchee River (S77, S78, S79) S47B: 11.39 11.15 0.0 0.0 S47D: 11.19 11.19 -21 5.7 S77: Spillway and Sector Preferred Flow: 11.08 679 0.0 5.0 5.0 5.0 11.26 Flow Due to Lockages+: 0 S78: Spillway and Sector Flow: 2.87 806 0.5 2.5 0.0 0.0 11.02 Flow Due to Lockages+: 7 S79: Spillway and Sector Flow: 0.0 1.0 1.5 1.0 1.3 0.0 0.0 0.0 3.02 2.32 980 Flow Due to Lockages+: 9 Percent of flow from S77 69% Chloride (ppm) 60 St. Lucie Canal (S308, S80) S308: Spillway and Sector Preferred Flow: 11.58 -NR-96 0.0 0.0 0.0 0.0 0 Flow Due to Lockages+: S153: 18.67 11.29 0 0.0 0.0 S80: Spillway and Sector Flow: 11.57 0.17 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Flow Due to Lockages+: 17 Percent of flow from S308 NA % (mg/ml) **** Steele Point Top Salinity 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.

L8 Canal PT

11.61

-2

++ Preferred flow is determined from either the spillway discharge or the below flow meter daily

		o –		Win	
Daily Precipitation Totals		3-Day	7-Day		
		(inches)		(Degø)	(mph)
S133 Pump Station:	-NR-	0.00	0.00		
S193:	-NR-	0.00		-NR-	-NR-
Okeechobee Field Station:		0.00	0.00		
S135 Pump Station:	-NR-		0.00		
S127 Pump Station:		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	209	б
S78:	1.31	1.37	1.68	191	2
S79:	2.23	3.44	3.64	108	2
S4 Pump Station:	-NR-	0.00	0.00		
Clewiston Field Station:	-NR-	0.00	0.00		
S3 Pump Station:	-NR-	0.00	0.00		
S2 Pump Station:	-NR-	0.00	0.00		
S308:	0.32	0.33	0.46	154	9
S80:	0.17	0.17	0.34	188	3
Okeechobee Average	0.16	0.03	0.04		
(Sites S78, S79 and					
Oke Nexrad Basin Avg			0.55		
) keechobee Lake Elevations	14 APR 2019		11.62 Diffe	rence from	14APR1
0keechobee Lake Elevations					
14APR19 -1 Day =	13 APR 2019	-	11.65	0.03	3
14APR19 -1 Day = 14APR19 -2 Days =	13 APR 2019 12 APR 2019	-	11.65 11.68	0.00	3 6
14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days =	13 APR 2019 12 APR 2019 11 APR 2019	-	11.65 11.68 11.70	0.03 0.08 0.08	3 6 8
14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -4 Days =	13 APR 2019 12 APR 2019 11 APR 2019 10 APR 2019		11.65 11.68 11.70 11.72	0.03 0.08 0.08	3 6 8 0
14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -4 Days = 14APR19 -5 Days =	 APR 2019 		11.65 11.68 11.70 11.72 11.77	0.03 0.08 0.10 0.11	3 6 8 0 5
14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -4 Days = 14APR19 -5 Days = 14APR19 -6 Days =	13APR201912APR201911APR201910APR201909APR201908APR2019		11.65 11.68 11.70 11.72 11.77 11.78	0.03 0.08 0.10 0.15 0.16	3 6 8 0 5 6
14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -4 Days = 14APR19 -5 Days = 14APR19 -6 Days = 14APR19 -7 Days =	13APR201912APR201911APR201910APR201909APR201908APR201907APR2019		11.65 11.68 11.70 11.72 11.77 11.78 11.79	0.03 0.08 0.10 0.19 0.16 0.17	3 6 8 0 5 6 7
14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -4 Days = 14APR19 -5 Days = 14APR19 -6 Days = 14APR19 -7 Days = 14APR19 -30 Days =	13APR201912APR201911APR201910APR201909APR201908APR201907APR201915MAR2019		11.65 11.68 11.70 11.72 11.77 11.78 11.79 12.24	0.03 0.08 0.10 0.19 0.16 0.17 0.62	3 6 8 0 5 6 7 2
14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -4 Days = 14APR19 -5 Days = 14APR19 -6 Days = 14APR19 -7 Days = 14APR19 -30 Days = 14APR19 -1 Year =	13APR201912APR201911APR201910APR201909APR201908APR201907APR201915MAR201914APR2018		11.65 11.68 11.70 11.72 11.77 11.78 11.79 12.24 13.43	0.03 0.08 0.10 0.19 0.19 0.19 0.19 0.19 0.19	3 6 8 0 5 5 6 7 2 1
14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -4 Days = 14APR19 -5 Days = 14APR19 -6 Days = 14APR19 -7 Days = 14APR19 -30 Days =	13APR201912APR201911APR201910APR201909APR201908APR201907APR201915MAR2019		11.65 11.68 11.70 11.72 11.77 11.78 11.79 12.24	0.03 0.08 0.10 0.19 0.16 0.17 0.62	3 6 8 0 5 5 6 7 2 1
14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -4 Days = 14APR19 -5 Days = 14APR19 -6 Days = 14APR19 -7 Days = 14APR19 -30 Days = 14APR19 -1 Year = 14APR19 -2 Year =	13 APR 2019 12 APR 2019 11 APR 2019 10 APR 2019 09 APR 2019 08 APR 2019 07 APR 2019 15 MAR 2019 14 APR 2018 14 APR 2017		11.65 11.68 11.70 11.72 11.77 11.78 11.79 12.24 13.43 -NR-	0.03 0.06 0.10 0.12 0.12 0.12 0.12 0.62 1.83 -NR	3 6 8 0 5 5 6 7 2 1
14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -4 Days = 14APR19 -5 Days = 14APR19 -6 Days = 14APR19 -7 Days = 14APR19 -7 Days = 14APR19 -1 Year = 14APR19 -2 Year = 14APR19 -2 Year = 14APR19 -2 Year =	13 APR 2019 12 APR 2019 11 APR 2019 10 APR 2019 09 APR 2019 08 APR 2019 07 APR 2019 07 APR 2019 15 MAR 2019 14 APR 2018 14 APR 2017 e ET for Lak	e Alfred (Ir e Net Inflow	11.65 11.68 11.70 11.72 11.77 11.78 11.79 12.24 13.43 -NR- mches) = 4 w (LONIN)	0.03 0.08 0.10 0.12 0.12 0.12 0.12 0.12 0.12 0.12	3 6 8 0 5 6 7 2 1 -
14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -4 Days = 14APR19 -5 Days = 14APR19 -6 Days = 14APR19 -7 Days = 14APR19 -7 Days = 14APR19 -1 Year = 14APR19 -1 Year = 14APR19 -2 Year = 14APR19 -2 Year = Lal Average 1	13 APR 2019 12 APR 2019 11 APR 2019 10 APR 2019 09 APR 2019 08 APR 2019 07 APR 2019 15 MAR 2019 14 APR 2018 14 APR 2017 e ET for Lak ke Okeechobe Flow over th	e Alfred (In e Net Inflov e previous 1	11.65 11.68 11.70 11.72 11.77 11.78 11.79 12.24 13.43 -NR- Aches) = 4 w (LONIN) 14 days	0.03 0.08 0.10 0.19 0.19 0.19 0.19 0.19 0.19 0.19	3 6 8 0 5 6 7 2 1 -
14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -4 Days = 14APR19 -5 Days = 14APR19 -6 Days = 14APR19 -7 Days = 14APR19 -7 Days = 14APR19 -1 Year = 14APR19 -1 Year = 14APR19 -2 Year = Lal Average 1 14APR19 Today =	13 APR 2019 12 APR 2019 11 APR 2019 10 APR 2019 09 APR 2019 07 APR 2019 07 APR 2019 15 MAR 2019 14 APR 2018 14 APR 2017 e ET for Lak ke Okeechobe Flow over th 14 APR 2019	e Alfred (In e Net Inflow e previous 1 -1184	11.65 11.68 11.70 11.72 11.77 11.78 11.79 12.24 13.43 -NR- Aches) = 4 w (LONIN) 14 days MON	0.03 0.08 0.10 0.19 0.19 0.19 0.19 0.19 0.19 0.19	3 6 8 0 5 6 7 2 1 -
14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -4 Days = 14APR19 -5 Days = 14APR19 -6 Days = 14APR19 -7 Days = 14APR19 -7 Days = 14APR19 -1 Year = 14APR19 -2 Year = The second secon	13 APR 2019 12 APR 2019 11 APR 2019 10 APR 2019 09 APR 2019 07 APR 2019 07 APR 2019 15 MAR 2019 14 APR 2019 14 APR 2017 e ET for Lak ke Okeechobe Flow over th 14 APR 2019 13 APR 2019	e Alfred (In e Net Inflow e previous 1 -1184 -990	11.65 11.68 11.70 11.72 11.77 11.78 11.79 12.24 13.43 -NR- Aches) = 4 w (LONIN) 14 days MON SUN	0.03 0.08 0.10 0.19 0.19 0.19 0.19 0.19 0.62 1.83 -NR .10 Avg-Daily -2151 -1976	3 6 8 0 5 6 7 2 1 -
14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -4 Days = 14APR19 -5 Days = 14APR19 -6 Days = 14APR19 -7 Days = 14APR19 -7 Days = 14APR19 -1 Year = 14APR19 -2 Year = Lal Average D 14APR19 Today = 14APR19 -1 Day = 14APR19 -1 Day = 14APR19 -2 Days =	13 APR 2019 12 APR 2019 11 APR 2019 10 APR 2019 09 APR 2019 07 APR 2019 07 APR 2019 15 MAR 2019 14 APR 2019 14 APR 2017 e ET for Lak ke Okeechobe Flow over th 14 APR 2019 13 APR 2019 12 APR 2019	e Alfred (In e Net Inflow e previous 4 -1184 -990 -898	11.65 11.68 11.70 11.72 11.77 11.78 11.79 12.24 13.43 -NR- Aches) = 4 w (LONIN) 14 days MON SUN SAT	0.03 0.08 0.10 0.19 0.16 0.17 0.62 1.83 -NR- .10 Avg-Daily -2151 -1976 -249	3 6 8 0 5 6 7 2 1 -
14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -4 Days = 14APR19 -5 Days = 14APR19 -6 Days = 14APR19 -7 Days = 14APR19 -7 Days = 14APR19 -1 Year = 14APR19 -1 Year = 14APR19 -2 Year = Lal Average 1 14APR19 Today = 14APR19 -1 Day = 14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days =	13 APR 2019 12 APR 2019 11 APR 2019 10 APR 2019 09 APR 2019 07 APR 2019 07 APR 2019 15 MAR 2019 14 APR 2019 14 APR 2017 e ET for Lak ke Okeechobe Flow over th 14 APR 2019 13 APR 2019 12 APR 2019 11 APR 2019	e Alfred (Ir e Net Inflov e previous 1 -1184 -990 -898 -621	11.65 11.68 11.70 11.72 11.77 11.78 11.79 12.24 13.43 -NR- Aches) = 4 w (LONIN) 14 days MON SUN SUN SAT FRI	0.03 0.08 0.10 0.19 0.19 0.19 0.19 0.19 0.62 1.83 -NR .10 Avg-Daily -2151 -1976 -249 -595	3 6 8 0 5 6 7 2 1 -
14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -4 Days = 14APR19 -5 Days = 14APR19 -6 Days = 14APR19 -7 Days = 14APR19 -7 Days = 14APR19 -1 Year = 14APR19 -2 Year = 14APR19 -2 Year = Lal Average 1 14APR19 Today = 14APR19 -1 Day = 14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -4 Days =	13 APR 2019 12 APR 2019 11 APR 2019 10 APR 2019 09 APR 2019 07 APR 2019 07 APR 2019 15 MAR 2019 14 APR 2019 14 APR 2017 e ET for Lak ke Okeechobe Flow over th 14 APR 2019 13 APR 2019 12 APR 2019 11 APR 2019 10 APR 2019	e Alfred (Ir e Net Inflov e previous 4 -1184 -990 -898 -621 -734	11.65 11.68 11.70 11.72 11.77 11.78 11.79 12.24 13.43 -NR- A A A A A A A A A A A A A	0.03 0.08 0.10 0.19 0.19 0.19 0.19 0.19 0.62 1.83 -NR- .10 Avg-Daily -2151 -1976 -249 -595 -7043	3 6 8 0 5 6 7 2 1 -
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14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -4 Days = 14APR19 -5 Days = 14APR19 -6 Days = 14APR19 -7 Days = 14APR19 -7 Days = 14APR19 -1 Year = 14APR19 -1 Year = 14APR19 -2 Year = Lai Average 1 14APR19 Today = 14APR19 Today = 14APR19 -1 Day = 14APR19 -2 Days = 14APR19 -3 Days = 14APR19 -3 Days = 14APR19 -4 Days = 14APR19 -5 Days = 14APR19 -6 Days = 14APR19 -7 Days = 14APR19 -7 Days =	13 APR 2019 12 APR 2019 11 APR 2019 10 APR 2019 09 APR 2019 07 APR 2019 07 APR 2019 15 MAR 2019 14 APR 2019 14 APR 2019 14 APR 2017 E ET for Lak ke Okeechobe Flow over th 14 APR 2019 13 APR 2019 13 APR 2019 11 APR 2019 10 APR 2019 09 APR 2019 08 APR 2019 07 APR 2019	e Alfred (In e Net Inflow e previous 1 -1184 -990 -898 -621 -734 -1320 -1511 -1477 -1252 -1198	11.65 11.68 11.70 11.72 11.77 11.78 11.79 12.24 13.43 -NR- Aches) = 4 W (LONIN) 14 days MON SUN SAT FRI THU WED TUE MON	0.03 0.04 0.04 0.16 0.17 0.62 1.83 -NR .10 Avg-Daily -2151 -1976 -249 -595 -7043 -503 -NR- -NR-	3 6 8 0 5 6 7 2 1 -

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14APR19				03			-1302	THU	1172
				02				WED	1397
14APR19	-13	Days	=	01	APR	2019	-275	TUE	-2849
					C	65E			
				Automago			previous	14 dava	Avg-Daily Flow
1470010		Todar	.			2019	previous 0	MON	
14APR19 14APR19	1	Today Day				2019	0	SUN	
14APR19 14APR19		Days				2019	0	SAT	
14APR19 14APR19		Days				2019	0	FRI	
14APR19 14APR19		Days				2019	0	THU	
		Days				2019		WED	
14APR19		-				2019	0 0		-
14APR19		Days				2019		TUE	0
14APR19		Days					0	MON	0
14APR19		Days				2019 2019	0 0	SUN SAT	0
14APR19		Days							-
14APR19		-				2019	0	FRI	0
14APR19		-				2019	0	THU	0
14APR19		-		02			0	WED	0
14APR19	-13	Days	=	01	APR	2019	0	TUE	0
14APR19	-	Today				2019	505	MON	673
		-					previous		Avg-Daily Flow
14APR19	-1	Day				2019	485	SUN	708
14APR19		Days				2019	466	SAT	696
14APR19		Days				2019	447	FRI	713
14APR19		Days				2019	427	THU	714
14APR19		Days				2019	414	WED	669
14APR19		Days				2019	414	TUE	598
14APR19		Days				2019	434	MON	354
14APR19		Days				2019	477	SUN	306
14APR19		Days				2019	526	SAT	303
14APR19						2019	574	FRI	320
14APR19						2019	615	THU	326
14APR19						2019	654	WED	355
14APR19		-				2019	687	TUE	336
	-	- <u>1</u>						-	
ake Okeech	lobe	e Outl	let	s Last 1	4 Dav	vs.			
_					-	-			
	S	-77	В	elow S-7	7	S-78	S-'	79	
	Disc	charge	9	Discharge	e Di	ischar	ge Discha	arge	
	(ALI	L DAY)	(ALL-DAY) (2	ALL DA	Y) (ALL I	DAY)	
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4 APR 2019	9 2	1340		1827		161	5 19	960	
3 APR 2019	9 2	1100		1759		88	0 12	272	
2 APR 2019	9	852		1356		62	7 8	396	
1 700 0010	۰ ر	1100		1000		C 0	0 1/	140	

11 APR 2019

10 APR 2019

09 APR 2019

08 APR 2019

07 APR 2019

06 APR 2019

05	APR 20	19	1678	1414	925	987		
04	APR 20	19	1738	1330	922	1374		
03	APR 20	19	2368	1850	931	1844		
02	APR 20	19	3486	2599	3798	2223		
	APR 20		3548	2844	2564	3162		
			S-310	S-351	S-352	S-354	L8 Canal Pt	
		Γ	Discharge	Discharge	Discharge	Discharge	e Discharge	
			ALL DAY)	(ALL DAY)	(ALL DAY)	(ALL DAY)	-	
	DATE	-	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)	
14	APR 20	19	125	1745	1436	1352	-3	
	APR 20		294	2374	1519	1394	-б	
	APR 20		512	2491	1482	1477	-32	
	APR 20		339	1930	1264	1525	-107	
	APR 20		195	786	728	1103	-60	
	APR 20		146	106	437	230	-165	
	APR 20		96	359	1092	557	-133	
	APR 20		70	496	1156	750	-186	
	APR 20		58	149	1132	662	-162	
	APR 20		169	0	964	527	-116	
	APR 20		222	638	1014	543	-21	
	APR 20		426	1729	1050	920	-66	
	APR 20		177	1685	1024	712	-62	
	APR 20		291	1372	1047	758	-105	
			S-308	Below S-308	8 S-80			
		Γ	Discharge	Discharge	Discharge	2		
		(ALL DAY)	(ALL-DAY)	(ALL-DAY))		
	DATE		(AC-FT)	(AC-FT)	(AC-FT)			
14	APR 20	19	304	126	34			
13	APR 20	19	-231	201	45			
12	APR 20	19	-159	228	33			
11	APR 20	19	-292	-4	42			
	APR 20		-288	-309	42			
09	APR 20	19	116	-134	36			
08	APR 20	19	-NR-	-NR-	19			
07	APR 20	19	-NR-	-NR-	32			
06	APR 20	19	-380	-384	51			
05	APR 20	19	-67	122	43			
04	APR 20	19	-189	112	44			
03	APR 20	19	-374	-516	32			
02	APR 20	19	-162	272	39			
01	APR 20	19	1527	-5	36			
* * '	* NOTE	:	Discha	rge (ALL DAy	() is comput	ed using	Spillway, Secto	C

** NOTE: Discharge (ALL DAY) is computed using Spillway, Sector Gate and Lockages Discharges from 0015 hrs to 2400 hrs.

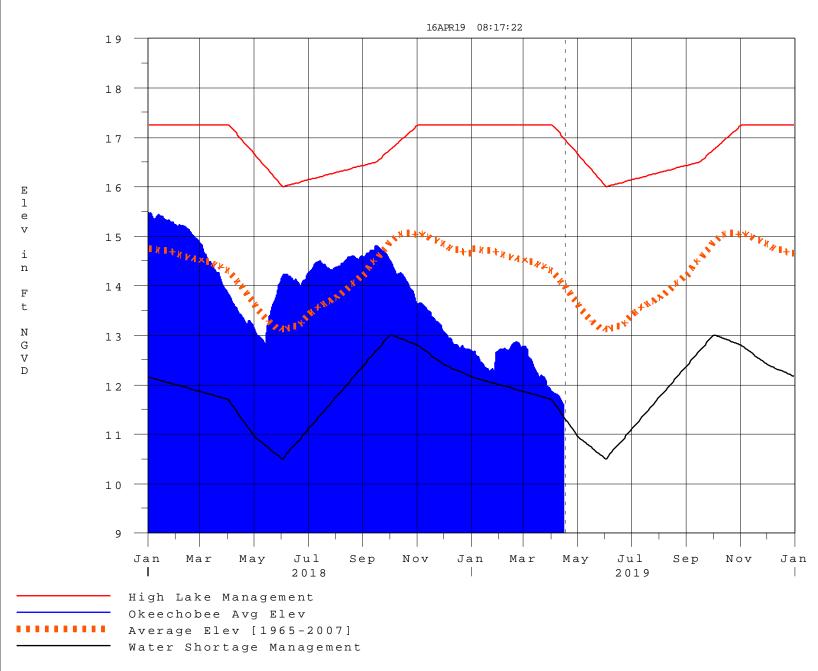
(I) - Flows preceeded by "I" signify an instantaneous
 flow computed from the single value reported for the day

* 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 15APR2019 @ 23:39 ** Preliminary Data - Subject to Revision **

Lake Okeechobee



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

Back to Lake Okeechobee Operations Main Page

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