# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 10/22/2018 (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>	SFWMD Empirical Method <sup>2</sup>			ampling of O Years <sup>3</sup>	Sub-sampling of AMO Warm + ENSO Years <sup>4</sup>	
	Value (ft)	<u>Condition</u>	Value (ft)	Condition	Value (ft)	Condition	Value (ft)	Condition
Current (Oct-Mar)	N/A	N/A	0.58	Dry	1.35	Normal	-0.06	Dry
Multi Seasonal (Nov-Oct)	N/A	N/A	3.02	Wet	3.90	Wet	2.15	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:

**515 cfs** 14-day running average for Lake Okeechobee Net Inflow through 10/21/2018. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Normal.

- 1.59 for Palmer Index on 10/20/2018.

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

The wetter of the two conditions above is Normal.

## LORS2008 Classification Tables:

## Lake Okeechobee Stage on 10/22/2018

Lake Okeechobee Stage: 14.03 feet

USACE Report for Lake Okeechobee

Lake Okeechobee Stage Hydrograph

	ee Management	Bottom Elevation	Current
Zone	(Band	(feet, NGVD)	Lake Stage
High Lake Manage	ement Band	17.07	
	High sub-band	16.70	
Operational Band	Intermediate sub-band	16.13	
	Low sub-band	14.50	
Base Flow sub-ba	nd	12.91	← 14.03
Beneficial Use sub	o-band	12.87	
Water Shortage M	lanagement Band		

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

Release Guidance Flow Chart Outcome: Up to maximum practicable releases to the WCAs if desirable or with minimum everglades impacts; otherwise no releases.

## Part D of LORS2008: Discharge to Tidewater

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

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## LORS2008 Implementation on 10/22/2018 (ENSO Neutral Condition):

### Water Supply Risk Evaluation

### Status for week ending 10/22/2018:

District wide, Raindar rainfall was 0.07 inches for the week. Lake stage on 10/22/2018 was 14.03 ft, down 0.21 ft from last week.

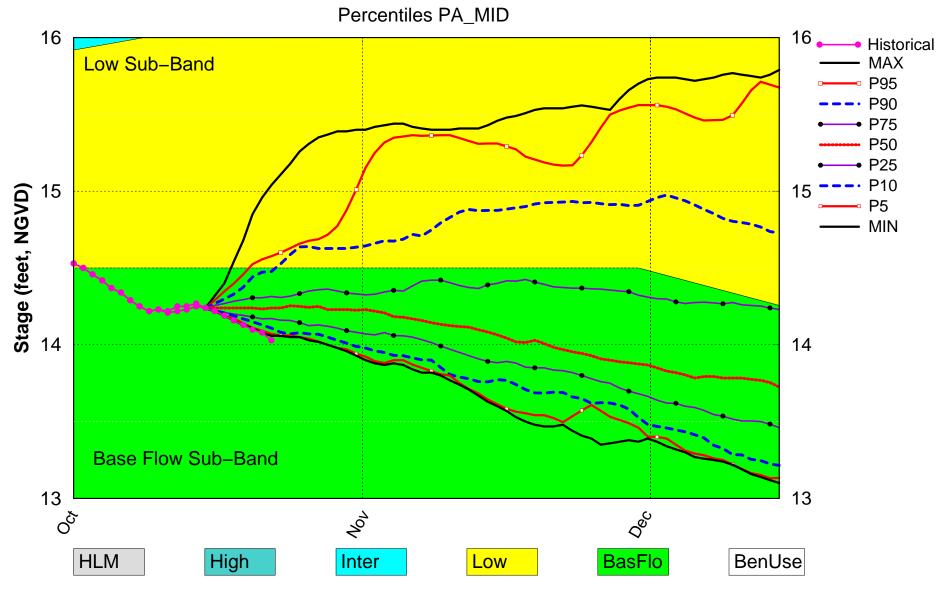
The updated Oct 2018 Mid-Month SFWMM Dynamic Position Analysis percentile graph for Lake Okeechobee show that the current lake stage is in the Base Flow Operational Sub-Band.

The LORS2008 tributary indices are classified as **Normal.** The PDSI indicates dry condition and the LONIN is Normal. The classification is based on the wetter of the two.

Area	Indicator	Value	Color Coded Scoring Scheme
	Projected LOK Stage for the next two months	Base Flow Sub Band	М
	Palmer Index for LOK Tributary Conditions	-1.32 (Normal to Extremely Wet)	М
	CPC Provinitation Outlook	1 month: Above Normal	L
LOK	CPC Precipitation Outlook	3 months: Above Normal	L
	LOK Seasonal Net Inflow Outlook ENSO Years	1.35 ft (Normal to Extremely Wet)	L
	LOK Multi-Seasonal Net Inflow Outlook ENSO Conditions	3.90 ft (Wet)	L
	WCA 1: Station Average (Site 1-7, Site 1-8T, Site 1-9)	Above Line 1 (16.51 ft)	L
WCAs	WCA 2A: Site 2-17	Above Line 1 (13.10 ft)	L
	WCA-3A: 3 Station Average (Site 63, 64 and 65)	Above Line 1 (10.04 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 Oct 2018 Mid–Month Position Analysis



(See assumptions on the Position Analysis Results website)

Tue Oct 23 07:52:39 EDT 2018

#### Palmer Index 6 4 < Very Wet < Wet 2 > Drv > Very Dry 0 -2 Normal -4 -6 3.76.2018 | 17-10-501>1 17.54.501> 1 12.8 12,2012 1 1-19-5018 1 2.16.2078 1 3.30-2078 I 4-13-2018 1 4-52-2018 I 5-17-2078 1 5-55-2018 1 8-12-2078 I 8-37-2078 1 9-14-2018 | 8-28-2078 I 10,12,2018 1 10-20-2018 1 9.29 207> 10, 13, 201> 1 10,42,401,1 1-5-2078 1 2,2018 1 3.2.2018 -6.8-2078 -6,22 2018 2-6-2018 8.3.2078 . Lake Okeechobee Net Inflow (LONIN) 14-day Running Average 40000 35000 30000 25000 < Very Wet 20000 < Wet 15000 > Dry > Very Dry 10000 5000 0 Normal -5000 -10000 10,13,201> 1 10,22 11-10-501> 1 1 <102 ×22 11 12.8-2012 1402-22-5 2.16.2018 1 3.16.2018 | 3.30-2018 | 4-13-2018 | 1 8102-12-X 5-17-2078 1 5-3, 2018 1 6,23,40,8 2,20,2078 1 8-12-2018 | 8.3, 2018 | 9.14.2078 1 9,28,2078 I 10,12,2018 1 10-20-2018 1 1-8-102-5-1 1-19-2018 1 2,2018 1 3,2,2078 6.8.2018 h 2-6-2018 1 8.3.2078 1 9,29,207>

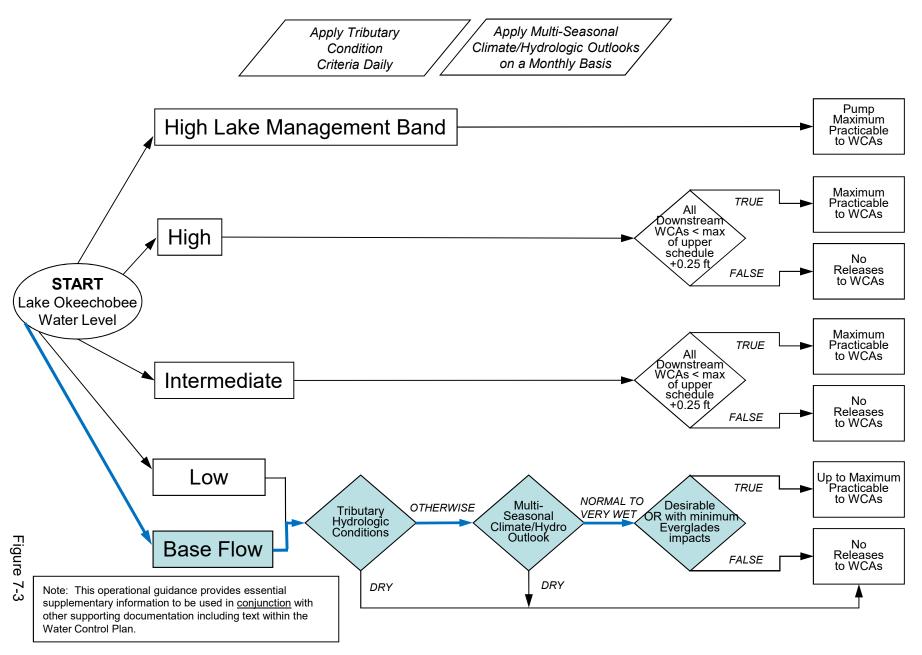
## Tributary Basin Condition Indicators as of October 22 2018

Tue Oct 23 07:51:27 EDT 2018

Flow (cfs)

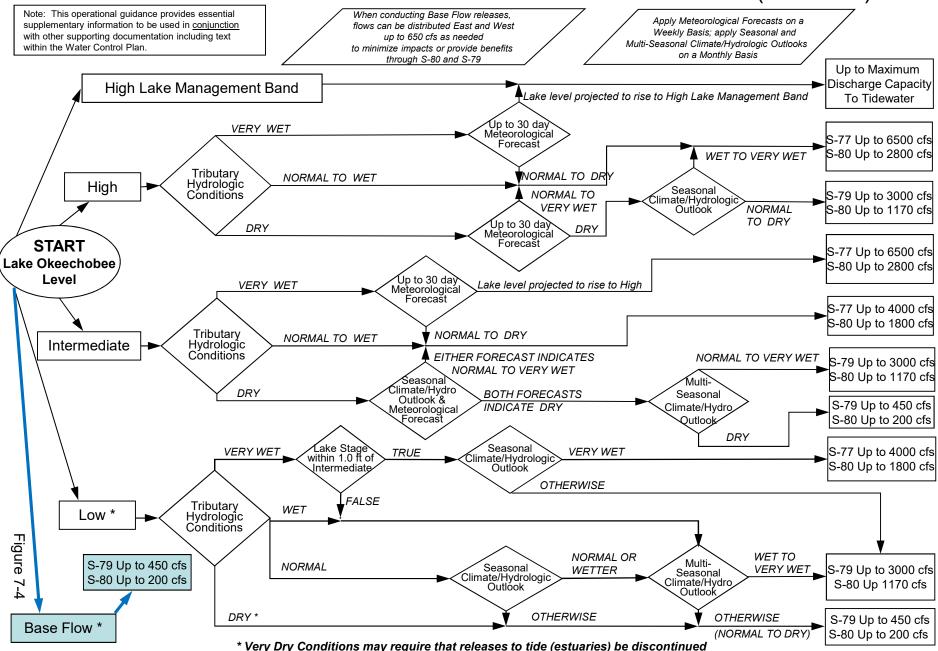
## 2008 LORS

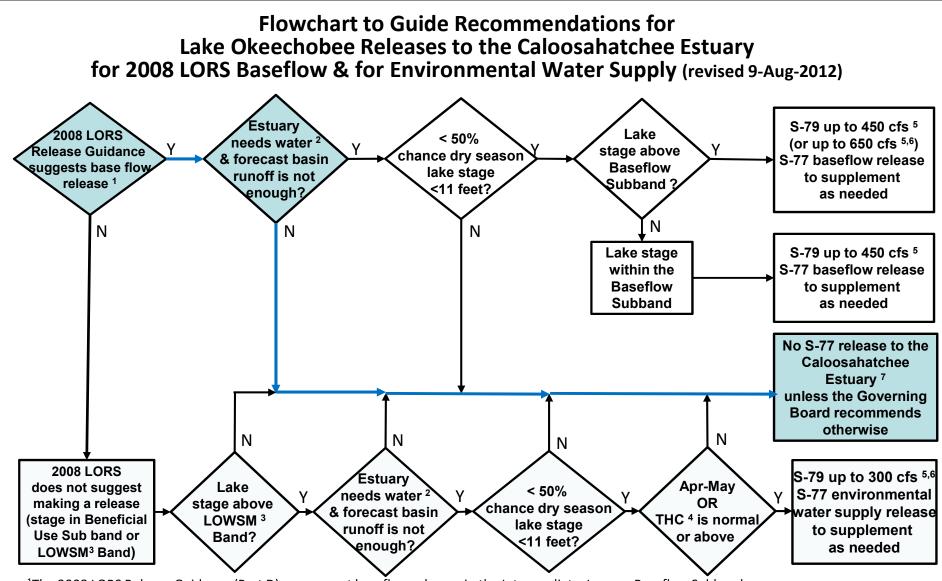
Part C: Establish Allowable Lake Okeechobee Releases to the Water Conservation Areas



## 2008 LORS

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

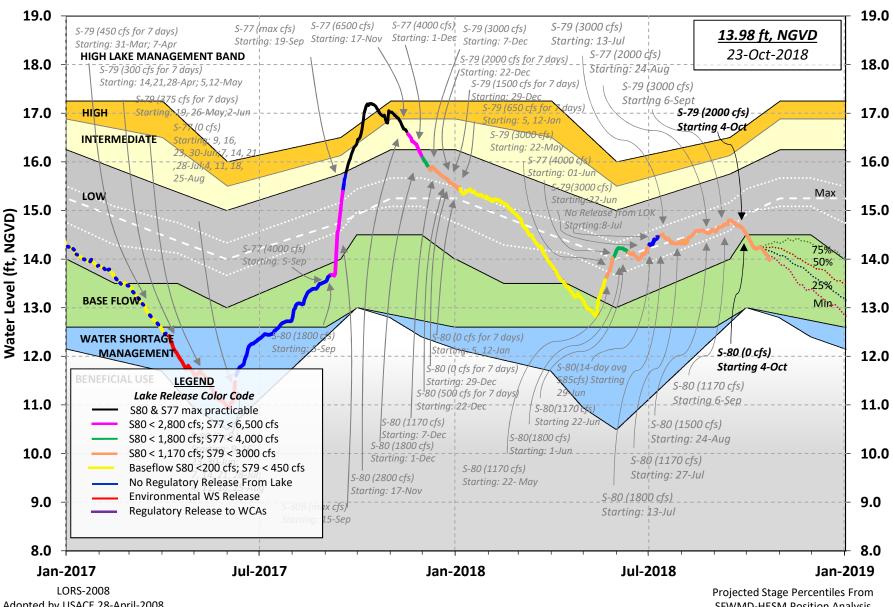




<sup>1</sup>The 2008 LORS Release Guidance (Part D) can suggest baseflow releases in the Intermediate, Low, or Baseflow Subbands. <sup>2</sup>Estuary "needs" water when the 30-day moving average salinity at I-75 bridge is projected to exceed 5 practical salinity units (psu) within 2 weeks. <sup>3</sup>LOWSM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

Adopted by USACE 28-April-2008

SFWMD-HESM Position Analysis

U. S. Army Corps of Engineers, Jacksonville District Lake Okeechobee and Vicinity Report \*\* Preliminary Data - Subject to Revision \*\* Data Ending 2400 hours 22 OCT 2018 Okeechobee Lake Regulation Elevation Last Year 2YRS Ago (ft-NGVD) (ft-NGVD) (ft-NGVD) 13.98 \*Okeechobee Lake Elevation 16.97 15.78 (Official Elv) Bottom of High Lake Mngmt= 17.09 Top of Water Short Mngmt= 12.86 Currently in Operational Management Band Simulated Average LORS2008 [1965-2000] 14.02 Difference from Average LORS2008 -0.04 220CT (1965-2007) Period of Record Average 15.06 Difference from POR Average -1.08 Today Lake Okeechobee elevation is determined from the 4 Int & 4 Edge stations ++Navigation Depth (Based on 2007 Channel Condition Survey) Route 1 ÷ 7.92' ++Navigation Depth (Based on 2008 Channel Condition Survey) Route 2 ÷ 6.12' Bridge Clearance = 49.90' 4 Interior and 4 Edge Okeechobee Lake Average (Avg-Daily values): L001 L005 L006 LZ40 S4 S352 S308 S133 13.84 14.14 14.03 13.94 14.21 14.05 13.84 13.81 \*Combination Okeechobee Avg-Daily Lake Average = 13.98 (\*See Note) Okeechobee Inflows (cfs): 622 S65E 875 S65EX1 Fisheating Cr 22 S135 Pumps 0 S154 0 S191 0 0 S84 0 S133 Pumps S2 Pumps 0 0 0 0 S84X S127 Pumps S3 Pumps S71 0 S129 Pumps 0 S4 Pumps 0 0 S72 0 S131 Pumps C5 0 Total Inflows: 1519 Okeechobee Outflows (cfs): S77 S135 Culverts 0 S354 1523 1262 -4 S127 Culverts S351 1639 S308 0 S129 Culverts0S131 Culverts0 S352 487 L8 Canal Pt 154 Total Outflows: 5062

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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 0.16 S308 0.24
Average Pan Evap x 0.75 Pan Coefficient = 0.15" = 0.01'
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 -10588 cfs or -21000 AC-FT
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Headwate	r Tailwater				Gat	te Pos	sitio	ıs	
Elevation	n Elevation	Disch	#1	#2	#3	#4	#5	#6 #7	
	(ft-msl)	(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft) (ft	)
(ft)									
	(I	) see n	ote at	t bott	COM				
North East Shore	12 00	0	0	0	0	0	0	(	
S133 Pumps: 13.48 S193:	13.82	0	0	0	0	0	0	(cfs)	
S191: 17.97	13.81	0	0.0	0.0	0.0				
S135 Pumps: 13.21	13.80	0	0	0	0	0		(cfs)	
S135 Culverts:		0	0.0	0.0					
North West Shore									
S65E: 21.00	13.66	875	0.0	1.3	1.4	1.1	0.0	0.0	
S65EX1: 21.00	13.66	622		1.0			0.0	0.0	
S127 Pumps: 13.25	13.85	0	0	0	0	0	0	(cfs)	
S127 Culvert:		-4	0.5					. ,	
S129 Pumps: 12.99	14.08	0	0	0	0			(cfs)	
S129 Culvert:		0	0.0						
S131 Pumps: 12.98	14.00	0	0	0				(cfs)	
S131 Culvert:		0							
Fisheating Creek									
nr Palmdale	28.93	22							
nr Lakeport		<u>,</u>				_			
C5:	-NR-	0	-NF	₹NF	₹− −NI	R-			
South Shore									
S4 Pumps: 11.23	14.11	0	0	0	0			(cfs)	
S169: 14.12	11.22	0	0.0		0.0			, ,	
s310:		-NR-							

 S3 Pumps:
 10.49
 14.05
 0
 0
 0
 0

 S354:
 14.05
 10.49
 1523
 2.5
 2.5

 S2 Pumps:
 11.12
 -NR 0
 0
 0

 S351:
 -NR 11.12
 1639
 2.7
 2.7
 2.6

 S352:
 14.05
 10.49
 487
 0.9
 0.9

 C10A:
 -NR 13.06
 8.0
 8.0
 8.0

 (cfs) 0 0 0 0 (cfs) 8.0 8.0 8.0 0.0 0.0 12.91 154 L8 Canal PT S351 and S352 Temporary Pumps/S354 Spillway 1639 -NR--NR--NR--NR--NR-11.12 S351: -NR-S352: 10.49 14.05 487 -NR--NR--NR--NR-S354: 10.49 14.05 1523 -NR--NR--NR-Caloosahatchee River (S77, S78, S79) S47B: 11.85 11.20 0.0 0.0 S47D: 11.22 11.22 -74 6.5 S77: Spillway and Sector Preferred Flow: 14.08 11.11 1259 0.0 2.5 2.5 0.0 3 Flow Due to Lockages+: S78: Spillway and Sector Flow: 11.04 2.98 775 1.0 0.0 0.0 1.0 Flow Due to Lockages+: 13 S79: Spillway and Sector Flow: 0.89 -NR- 0.0 0.0 0.0 1.0 1.0 1.0 1.0 3.12 0.0 Flow Due to Lockages+: -NR-Percent of flow from S77 -NR-% Chloride (ppm) 50 St. Lucie Canal (S308, S80) S308: Spillway and Sector Preferred Flow: 13.90 13.60 0 0.0 0.0 0.0 0.0 Flow Due to Lockages+: 0 18.62 13.34 0 0.0 0.0 S153: S80: Spillway and Sector Flow: 
 13.63
 1.49
 0

 Flow Due to Lockages+:
 16
 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 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

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Daily Precipitation Totals	1-Day	3-Day	7-Day	Directio	on
Speed					
(make)	(inches)	(inches)	(inches)	(Degø)	
(mph)	-NR-	0.00	0.00		
S133 Pump Station: S193:	-NR-	0.00	0.00	-NR-	-NR-
Okeechobee Field Station:		0.00	0.00	-MK-	-111/-
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:	16.35		16.45	79	1
S78:	5.31	5.31	5.31	30	1
S79:	-6.03	-18.09		270	0
S4 Pump Station:	-NR-	0.00	0.00	270	U U
Clewiston Field Station:		0.00	0.00		
S3 Pump Station:	-NR-	0.00	0.00		
	-NR-	0.00	0.00		
SZ PUMP SLALION.					
S2 Pump Station: S308:			3.98	102	1
S2 Pump Station: S308: S80:	3.98 0.22	3.98 0.22	3.98 0.34	102 151	1 0
S308: S80:	3.98 0.22	3.98 0.22	0.34		
S308: S80: Okeechobee Average (Sites S78, S79 and	3.98 0.22 10.16 S80 not inc	3.98 0.22 1.56 luded)	0.34		
S308: S80: Okeechobee Average	3.98 0.22 10.16 S80 not inc	3.98 0.22 1.56 luded)	0.34		
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg	3.98 0.22 10.16 S80 not inc -NR-	3.98 0.22 1.56 luded) 0.00	0.34 1.57 0.00	151	0
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg 	3.98 0.22 10.16 S80 not inc -NR-	3.98 0.22 1.56 luded) 0.00	0.34 1.57	151	0
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 220CT18 220CT18 -1 Day =	3.98 0.22 10.16 S80 not inc -NR- 22 OCT 2018 21 OCT 2018	3.98 0.22 1.56 luded) 0.00	0.34 1.57 0.00	151	0 n
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 220CT18 220CT18 -1 Day = 220CT18 -2 Days =	3.98 0.22 10.16 S80 not inc -NR- 22 OCT 2018 21 OCT 2018 20 OCT 2018	3.98 0.22 1.56 luded) 	0.34 1.57 0.00 13.98 Differ	151  	0 n ) 5
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 220CT18 220CT18 -1 Day = 220CT18 -2 Days =	3.98 0.22 10.16 S80 not inc -NR- 22 OCT 2018 21 OCT 2018 20 OCT 2018	3.98 0.22 1.56 luded) 	0.34 1.57 0.00 13.98 Differ 14.03	151  cence from 0.0	0 n 25 10
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 220CT18 220CT18 -1 Day = 220CT18 -2 Days =	3.98 0.22 10.16 S80 not inc -NR- 22 OCT 2018 21 OCT 2018 20 OCT 2018	3.98 0.22 1.56 luded) 	0.34 1.57 0.00 13.98 Differ 14.03 14.08	151  cence from 0.0 0.1	0 n 05 L0 L2
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 220CT18 220CT18 -1 Day = 220CT18 -2 Days =	3.98 0.22 10.16 S80 not inc -NR- 22 OCT 2018 21 OCT 2018	3.98 0.22 1.56 luded) 	0.34 1.57 0.00 13.98 Differ 14.03 14.08 14.10	151  cence from 0.0 0.1 0.1	n 05 10 12 15
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 220CT18 220CT18 -1 Day = 220CT18 -2 Days =	3.98 0.22 10.16 S80 not inc -NR- 22 OCT 2018 21 OCT 2018 20 OCT 2018	3.98 0.22 1.56 luded) 	0.34 1.57 0.00 13.98 Differ 14.03 14.08 14.10 14.13	151  cence from 0.0 0.1 0.1 0.1	0 n 05 L0 L2 L5 L8
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 220CT18 220CT18 -1 Day = 220CT18 -2 Days = 220CT18 -3 Days = 220CT18 -4 Days = 220CT18 -5 Days =	3.98 0.22 10.16 S80 not inc -NR- 22 OCT 2018 21 OCT 2018 20 OCT 2018 19 OCT 2018 18 OCT 2018 18 OCT 2018	3.98 0.22 1.56 luded) 	0.34 1.57 0.00 13.98 Differ 14.03 14.08 14.10 14.13 14.16	151  cence from 0.0 0.1 0.1 0.1 0.1 0.1 0.1	0 a 05 10 12 15 18 21
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 220CT18 220CT18 -1 Day = 220CT18 -2 Days = 220CT18 -3 Days = 220CT18 -4 Days = 220CT18 -5 Days = 220CT18 -6 Days =	3.98 0.22 10.16 S80 not inc -NR- 22 OCT 2018 21 OCT 2018 20 OCT 2018 19 OCT 2018 19 OCT 2018 18 OCT 2018 17 OCT 2018 16 OCT 2018 15 OCT 2018 22 SEP 2018	3.98 0.22 1.56 luded)  0.00	0.34 1.57 0.00 13.98 Differ 14.03 14.08 14.10 14.13 14.16 14.19	151  cence from 0.0 0.1 0.1 0.1 0.1 0.1 0.2	0 0 0 0 0 0 1 0 1 2 1 2 1 2 4
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 220CT18 220CT18 -1 Day = 220CT18 -2 Days = 220CT18 -2 Days = 220CT18 -4 Days = 220CT18 -5 Days = 220CT18 -6 Days = 220CT18 -7 Days =	3.98 0.22 10.16 S80 not inc -NR- 22 OCT 2018 21 OCT 2018 20 OCT 2018 19 OCT 2018 18 OCT 2018 18 OCT 2018 17 OCT 2018 16 OCT 2018 15 OCT 2018	3.98 0.22 1.56 luded)  0.00	0.34 1.57 0.00 13.98 Differ 14.03 14.08 14.10 14.13 14.16 14.19 14.22	151  cence from 0.0 0.1 0.1 0.1 0.2 0.2 0.2	0 0 0 0 0 0 1 0 1 2 1 5 1 8 2 1 2 4 7 1

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

220CT18 Today	=	22 (	OCT	2018	275	TUE	-5525
220CT18 -1 Day	=	21 (	OCT	2018	524	MON	-4398
220CT18 -2 Days	=	20 (	OCT	2018	600	SUN	1410
220CT18 -3 Days	=	19 (	OCT	2018	144	SAT	-2081
220CT18 -4 Days	=	18 (	OCT	2018	263	FRI	-2079
220CT18 -5 Days	=	17 (	OCT	2018	136	THU	-3026
220CT18 -6 Days	=	16 (	OCT	2018	248	WED	-2315
220CT18 -7 Days	=	15 (	OCT	2018	280	TUE	-297
220CT18 -8 Days	=	14 (	OCT	2018	241	MON	-3451
220CT18 -9 Days	=	13 (	OCT	2018	363	SUN	6924
220CT18 -10 Days	=	12 (	OCT	2018	-387	SAT	2791
220CT18 -11 Days	=	11 (	OCT	2018	-693	FRI	9340
220CT18 -12 Days	=	10 (	OCT	2018	-1480	THU	850
220CT18 -13 Days	=	09 (	OCT	2018	-1173	WED	5708

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-						Se	55E			
					Average	Flow	v over	previous	14 days	Avg-Daily Flow
	220CT18		Today	/=	22	OCT	2018	66	TUE	918
	220CT18	-1	Day	=	21	OCT	2018	0	MON	0
	220CT18	-2	Days	=	20	OCT	2018	0	SUN	0
	220CT18	-3	Days	=	19	OCT	2018	0	SAT	0
	220CT18	-4	Days	=	18	OCT	2018	0	FRI	0
	220CT18	-5	Days	=	17	OCT	2018	0	THU	0
	220CT18	-6	Days	=	16	OCT	2018	0	WED	0
	220CT18	-7	Days	=	15	OCT	2018	0	TUE	0
	220CT18	-8	Days	=	14	OCT	2018	0	MON	0
	220CT18	-9	Days	=	13	OCT	2018	0	SUN	0
	220CT18	-10	Days	=	12	OCT	2018	0	SAT	0
	220CT18	-11	Days	=	11	OCT	2018	0	FRI	0
	220CT18	-12	Days	=	10	OCT	2018	0	THU	0
	220CT18	-13	Days	=	09	OCT	2018	0	WED	0

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						Se	55EX1			
					Average	Flow	v over	previous	14 days	Avg-Daily Flow
	220CT18		Today	/=	22	OCT	2018	1494	TUE	622
	220CT18	-1	Day	=	21	OCT	2018	1566	MON	1529
	220CT18	-2	Days	=	20	OCT	2018	1557	SUN	1512
	220CT18	-3	Days	=	19	OCT	2018	1561	SAT	1466
	220CT18	-4	Days	=	18	OCT	2018	1577	FRI	1536
	220CT18	-5	Days	=	17	OCT	2018	1595	THU	1554
	220CT18	-6	Days	=	16	OCT	2018	1604	WED	1584
	220CT18	-7	Days	=	15	OCT	2018	1621	TUE	1557
	220CT18	-8	Days	=	14	OCT	2018	1641	MON	1588
	220CT18	-9	Days	=	13	OCT	2018	1662	SUN	1682
	220CT18	-10	Days	=	12	OCT	2018	1692	SAT	1551
	220CT18	-11	Days	=	11	OCT	2018	1715	FRI	1732
	220CT18	-12	Days	=	10	OCT	2018	1733	THU	1432
	220CT18	-13	Days	=	09	OCT	2018	1778	WED	1569

\_ 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)	
22 OCT 2018 2464	2255	1536	-NR-	
21 OCT 2018 4549	4404	2872	3253	
20 OCT 2018 4332	4117	3033	-NR-	
19 OCT 2018 1912	1666	1660	-NR-	
18 OCT 2018 2346	1938	1022	-NR-	
17 OCT 2018 2713	1556	1713	2365	
16 OCT 2018 2768	2808	1912	3267	
15 OCT 2018 3257	3335	2793	3814	
14 OCT 2018 2236	2377	2743	3850	
13 OCT 2018 2221	2553	2398	4634	
12 OCT 2018 2240	2355	2173	3824	
11 OCT 2018 1460	1541	1337	1598	
10 OCT 2018 1278	1153	1175	4212	
09 OCT 2018 2695	2420	2372	2783	
S-310	S-351	S-352	S-354	L8 Canal Pt
Discharge	Discharge	Discharge	Discharge	Discharge
Discharge (ALL DAY)	Discharge (ALL DAY)	Discharge (ALL DAY)	Discharge (ALL DAY)	Discharge (ALL DAY)
Discharge (ALL DAY) DATE (AC-FT)	Discharge (ALL DAY) (AC-FT)	Discharge (ALL DAY) (AC-FT)	Discharge (ALL DAY) (AC-FT)	Discharge (ALL DAY) (AC-FT)
Discharge (ALL DAY) DATE (AC-FT) 22 OCT 2018 -NR-	Discharge (ALL DAY) (AC-FT) 3249	Discharge (ALL DAY) (AC-FT) 843	Discharge (ALL DAY) (AC-FT) 2421	Discharge (ALL DAY) (AC-FT) 306
Discharge (ALL DAY) DATE (AC-FT) 22 OCT 2018 -NR- 21 OCT 2018 -NR-	Discharge (ALL DAY) (AC-FT) 3249 2824	Discharge (ALL DAY) (AC-FT) 843 748	Discharge (ALL DAY) (AC-FT) 2421 2175	Discharge (ALL DAY) (AC-FT) 306 321
Discharge (ALL DAY) DATE (AC-FT) 22 OCT 2018 -NR- 21 OCT 2018 -NR- 20 OCT 2018 88	Discharge (ALL DAY) (AC-FT) 3249 2824 2758	Discharge (ALL DAY) (AC-FT) 843 748 742	Discharge (ALL DAY) (AC-FT) 2421 2175 2310	Discharge (ALL DAY) (AC-FT) 306 321 322
Discharge (ALL DAY) DATE (AC-FT) 22 OCT 2018 -NR- 21 OCT 2018 -NR- 20 OCT 2018 88 19 OCT 2018 59	Discharge (ALL DAY) (AC-FT) 3249 2824 2758 2607	Discharge (ALL DAY) (AC-FT) 843 748 742 670	Discharge (ALL DAY) (AC-FT) 2421 2175 2310 1999	Discharge (ALL DAY) (AC-FT) 306 321 322 309
Discharge           (ALL DAY)           DATE         (AC-FT)           22 OCT 2018         -NR-           21 OCT 2018         -NR-           20 OCT 2018         59           18 OCT 2018         72	Discharge (ALL DAY) (AC-FT) 3249 2824 2758 2607 2295	Discharge (ALL DAY) (AC-FT) 843 748 742 670 607	Discharge (ALL DAY) (AC-FT) 2421 2175 2310 1999 1927	Discharge (ALL DAY) (AC-FT) 306 321 322 309 297
Discharge         (ALL DAY)         DATE       (AC-FT)         22       OCT 2018       -NR-         21       OCT 2018       -NR-         20       OCT 2018       59         18       OCT 2018       72         17       OCT 2018       24	Discharge (ALL DAY) (AC-FT) 3249 2824 2758 2607 2295 1924	Discharge (ALL DAY) (AC-FT) 843 748 742 670 607 577	Discharge (ALL DAY) (AC-FT) 2421 2175 2310 1999 1927 1951	Discharge (ALL DAY) (AC-FT) 306 321 322 309 297 275
DATE       (ALL DAY)         DATE       (AC-FT)         22       OCT 2018       -NR-         21       OCT 2018       S8         20       OCT 2018       S9         18       OCT 2018       72         17       OCT 2018       24         16       OCT 2018       20	Discharge (ALL DAY) (AC-FT) 3249 2824 2758 2607 2295 1924 2128	Discharge (ALL DAY) (AC-FT) 843 748 742 670 607 577 553	Discharge (ALL DAY) (AC-FT) 2421 2175 2310 1999 1927 1951 2039	Discharge (ALL DAY) (AC-FT) 306 321 322 309 297 275 151
DATE       (ALL DAY)         DATE       (AC-FT)         22       OCT 2018       -NR-         21       OCT 2018       S8         20       OCT 2018       S8         19       OCT 2018       59         18       OCT 2018       72         17       OCT 2018       24         16       OCT 2018       7	Discharge (ALL DAY) (AC-FT) 3249 2824 2758 2607 2295 1924 2128 2083	Discharge (ALL DAY) (AC-FT) 843 748 742 670 607 577 553 407	Discharge (ALL DAY) (AC-FT) 2421 2175 2310 1999 1927 1951 2039 954	Discharge (ALL DAY) (AC-FT) 306 321 322 309 297 275 151 5
DATE       (ALL DAY)         DATE       (AC-FT)         22       OCT 2018       -NR-         21       OCT 2018       S8         20       OCT 2018       S8         19       OCT 2018       59         18       OCT 2018       72         17       OCT 2018       24         16       OCT 2018       7         15       OCT 2018       7         14       OCT 2018       2	Discharge (ALL DAY) (AC-FT) 3249 2824 2758 2607 2295 1924 2128 2083 1857	Discharge (ALL DAY) (AC-FT) 843 748 742 670 607 577 553 407 0	Discharge (ALL DAY) (AC-FT) 2421 2175 2310 1999 1927 1951 2039 954 397	Discharge (ALL DAY) (AC-FT) 306 321 322 309 297 275 151 5 7
DATE       (ALL DAY)         DATE       (AC-FT)         22       OCT 2018       -NR-         21       OCT 2018       S8         20       OCT 2018       S9         18       OCT 2018       59         18       OCT 2018       72         17       OCT 2018       24         16       OCT 2018       7         15       OCT 2018       7         14       OCT 2018       2         13       OCT 2018       -0	Discharge (ALL DAY) (AC-FT) 3249 2824 2758 2607 2295 1924 2128 2083 1857 1521	Discharge (ALL DAY) (AC-FT) 843 748 742 670 607 577 553 407 0 0	Discharge (ALL DAY) (AC-FT) 2421 2175 2310 1999 1927 1951 2039 954 397 746	Discharge (ALL DAY) (AC-FT) 306 321 322 309 297 275 151 5 7 -40
DATE       (ALL DAY)         DATE       (AC-FT)         22       OCT 2018       -NR-         21       OCT 2018       S         20       OCT 2018       S         21       OCT 2018       S         20       OCT 2018       S         10       OCT 2018       S         11       OCT 2018       S         12       OCT 2018       24         16       OCT 2018       20         15       OCT 2018       7         14       OCT 2018       2         13       OCT 2018       -0         12       OCT 2018       14	Discharge (ALL DAY) (AC-FT) 3249 2824 2758 2607 2295 1924 2128 2083 1857 1521 1636	Discharge (ALL DAY) (AC-FT) 843 748 742 670 607 577 553 407 0 0 149	Discharge (ALL DAY) (AC-FT) 2421 2175 2310 1999 1927 1951 2039 954 397 746 1281	Discharge (ALL DAY) (AC-FT) 306 321 322 309 297 275 151 5 7 -40 5
DATE       (ALL DAY)         DATE       (AC-FT)         22       OCT 2018       -NR-         21       OCT 2018       -NR-         20       OCT 2018       S8         19       OCT 2018       59         18       OCT 2018       24         16       OCT 2018       20         15       OCT 2018       20         13       OCT 2018       -0         12       OCT 2018       14         10       OCT 2018       14	Discharge (ALL DAY) (AC-FT) 3249 2824 2758 2607 2295 1924 2128 2083 1857 1521 1636 2316	Discharge (ALL DAY) (AC-FT) 843 748 742 670 607 577 553 407 0 0 149 288	Discharge (ALL DAY) (AC-FT) 2421 2175 2310 1999 1927 1951 2039 954 397 746 1281 1626	Discharge (ALL DAY) (AC-FT) 306 321 322 309 297 275 151 5 7 -40 5 157
DATE       (ALL DAY)         DATE       (AC-FT)         22       OCT 2018       -NR-         21       OCT 2018       -NR-         20       OCT 2018       S8         19       OCT 2018       59         18       OCT 2018       24         16       OCT 2018       20         15       OCT 2018       7         14       OCT 2018       -0         12       OCT 2018       14         11       OCT 2018       33         10       OCT 2018       25	Discharge (ALL DAY) (AC-FT) 3249 2824 2758 2607 2295 1924 2128 2083 1857 1521 1636 2316 1944	Discharge (ALL DAY) (AC-FT) 843 748 742 670 607 577 553 407 0 0 149 288 317	Discharge (ALL DAY) (AC-FT) 2421 2175 2310 1999 1927 1951 2039 954 397 746 1281 1626 1983	Discharge (ALL DAY) (AC-FT) 306 321 322 309 297 275 151 5 7 -40 5 157 -6
DATE       (ALL DAY)         DATE       (AC-FT)         22       OCT 2018       -NR-         21       OCT 2018       -NR-         20       OCT 2018       S8         19       OCT 2018       59         18       OCT 2018       24         16       OCT 2018       20         15       OCT 2018       20         13       OCT 2018       -0         12       OCT 2018       14         10       OCT 2018       14	Discharge (ALL DAY) (AC-FT) 3249 2824 2758 2607 2295 1924 2128 2083 1857 1521 1636 2316	Discharge (ALL DAY) (AC-FT) 843 748 742 670 607 577 553 407 0 0 149 288	Discharge (ALL DAY) (AC-FT) 2421 2175 2310 1999 1927 1951 2039 954 397 746 1281 1626	Discharge (ALL DAY) (AC-FT) 306 321 322 309 297 275 151 5 7 -40 5 157

			S-308	Below S-308	S-80
		]	Discharge	Discharge	Discharge
			(ALL DAY)	(ALL-DAY)	(ALL-DAY)
	DATE	C	(AC-FT)	(AC-FT)	(AC-FT)
22	OCT	2018	0	118	32
21	OCT	2018	0	39	30
20	OCT	2018	0	-170	48
19	OCT	2018	478	406	46
18	OCT	2018	473	564	37
17	OCT	2018	2	198	29
16	OCT	2018	1	127	25
15	OCT	2018	2	241	18
14	OCT	2018	1	44	40
13	OCT	2018	3	78	29
12	OCT	2018	4	-120	25
11	OCT	2018	3	-325	18
10	OCT	2018	1	-105	4
09	OCT	2018	2	219	17

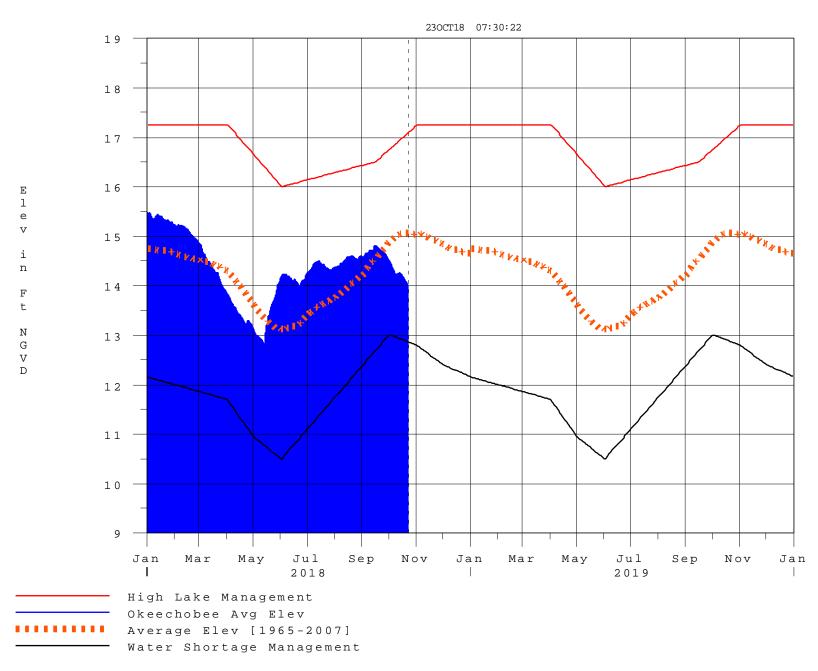
s Discharges from 0015 hrs to 2400 hrs.	
ge (ALL DAY) is computed using Spillway, Sector	Gate

(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 230CT2018 @ 07:38 \*\* 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