Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 5/13/2019 (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		oley's ethod ^{1*}	En	WMD pirical ethod ²	Neuti	ampling of al ENSO ears 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 (May- Oct)	N/A	N/A	2.59	Very Wet	2.94	Very Wet	4.02	Very Wet	
Multi Seasonal (May- Apr)	N/A	N/A	3.26	Wet	3.63	Wet	5.88	Very 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:

1422 cfs 14-day running average for Lake Okeechobee Net Inflow through 5/12/2019. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Normal.

-0.72 for Palmer Index on 5/11/2019.

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 5/13/2019

Lake Okeechobee Stage: 11.30 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	16.41	
	High sub-band	15.83	
Operational Band	Intermediate sub-band	15.16	
	Low sub-band	13.21	
Base Flow sub-ba	nd	12.60	
Beneficial Use sub	o-band		← 11.30
Water Shortage N	lanagement Band	10.78	

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 05/13/2019 (ENSO El Niño Condition):

Status for week ending 05/13/2019:

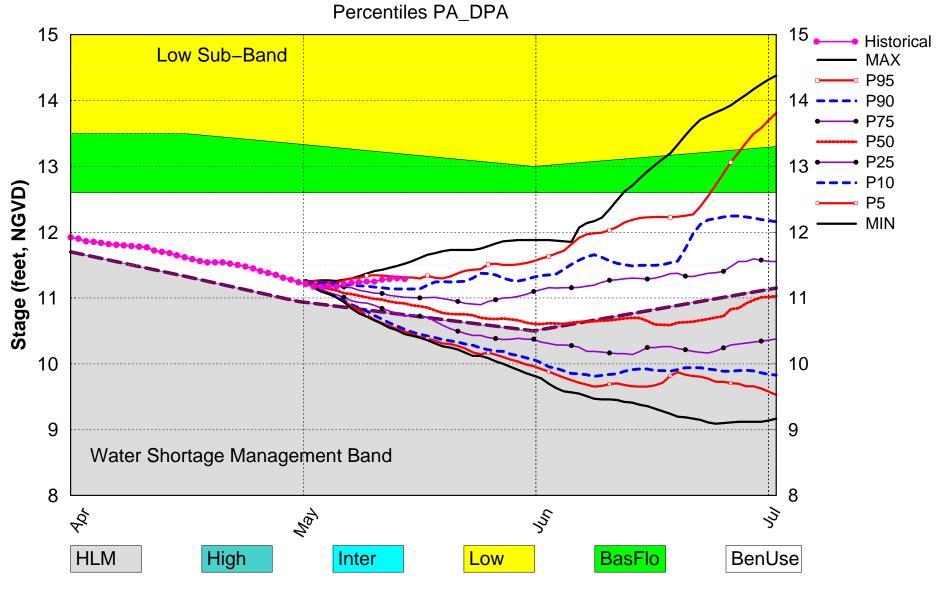
District wide, Raindar rainfall was 1.96 inches for the week. Lake stage on 5/13/2019 was 11.30 ft, NGVD, up 0.09 ft from last week .The updated May 2019 SFWMM Dynamic Position Analysis percentile graph for Lake Okeechobee show that the current lake stage is in the Beneficial Use Sub-band. The LORS2008 Tributary Hydrologic Conditions (THC) are classified as **Normal.** The PDSI indicates normal conditions and the LONIN is normal. 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	Water Shortage Management Band	н
	Palmer Index for LOK Tributary Conditions	-0.72 (Normal to Extremely Wet)	L
	CPC Presiditation Outlack	1 month: Above Normal	L
LOK	CPC Precipitation Outlook	3 months: Above Normal	L
	LOK Seasonal Net Inflow Outlook ENSO Forecast (positive)	2.94 ft (Normal to Extremely Wet)	L
	LOK Multi-Seasonal Net Inflow Outlook	3.63 ft (Wet)	L
	ENSO Forecast (positive)		
	WCA 1: 3 Station Average (Site 1-7, 1-8T, & 1-9)	Above Line 1 (16.10 ft)	L
WCAs	WCA 2A: Site 2-17 HW	Above Line 1 (11.75 ft)	L
	WCA-3A: 3 Station Average (Site 63, 64, and 65)	Above Line 1 (9.38 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 May 2019 Position Analysis

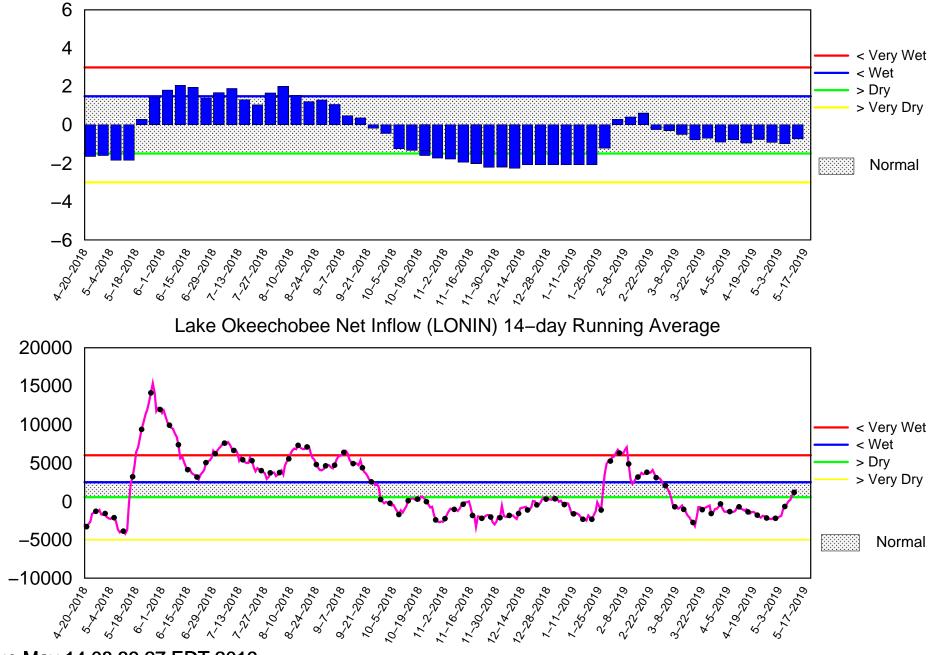


(See assumptions on the Position Analysis Results website)

Tue May 14 08:39:59 EDT 2019

Tributary Basin Condition Indicators as of May 13 2019

Palmer Index

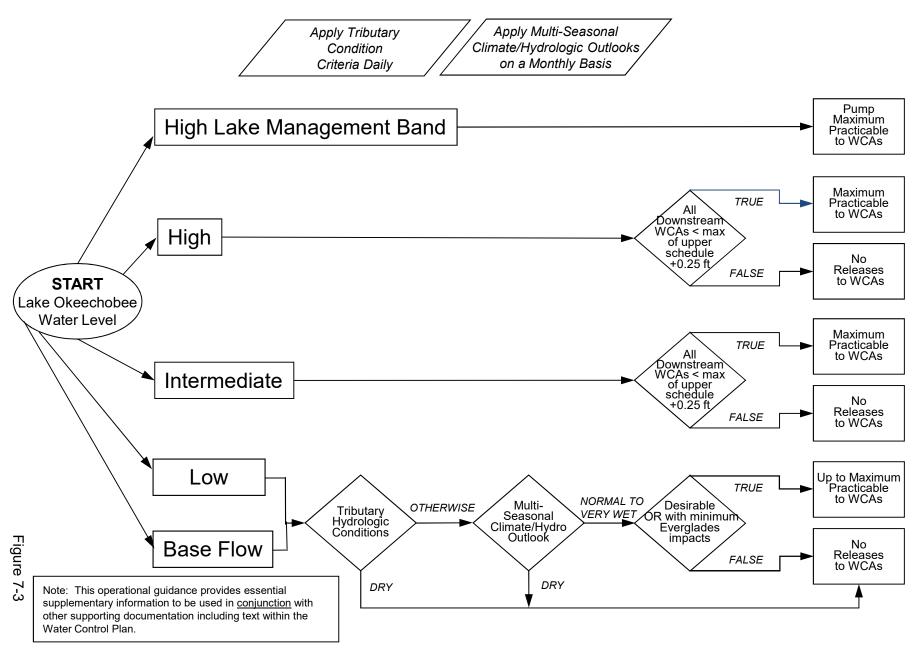


Tue May 14 08:39:27 EDT 2019

Flow (cfs)

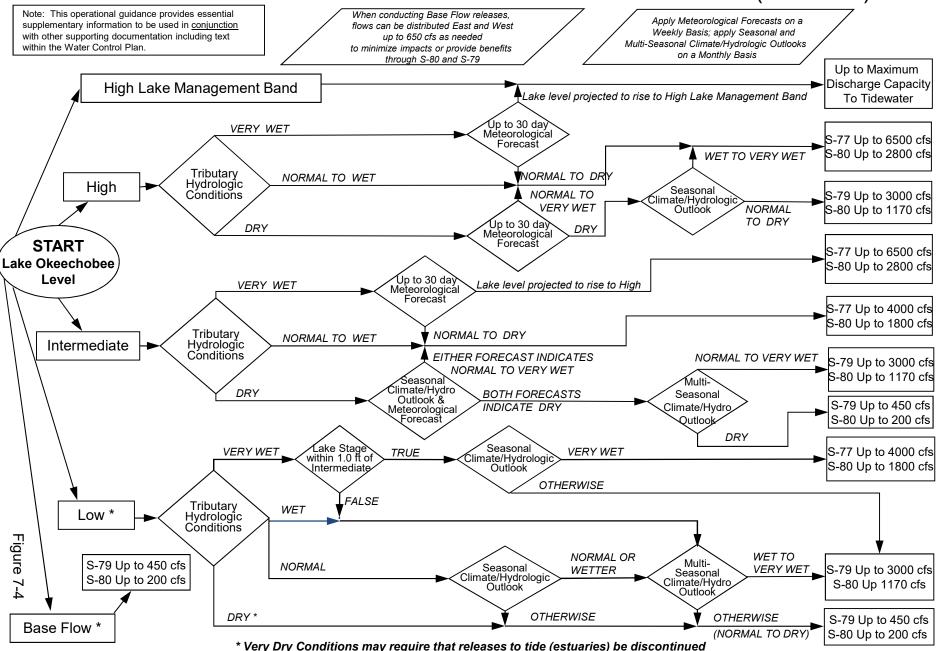
2008 LORS

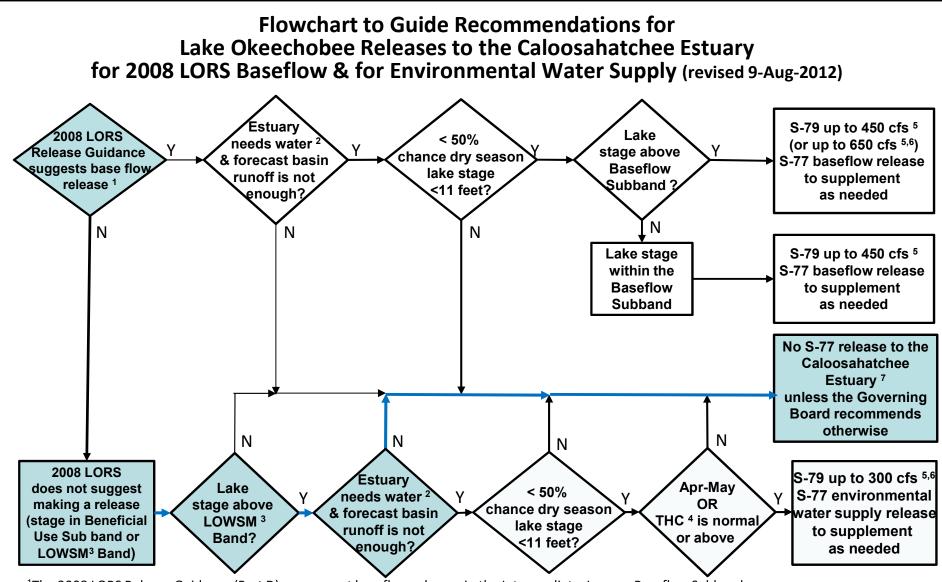
Part C: Establish Allowable Lake Okeechobee Releases to the Water Conservation Areas



2008 LORS

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

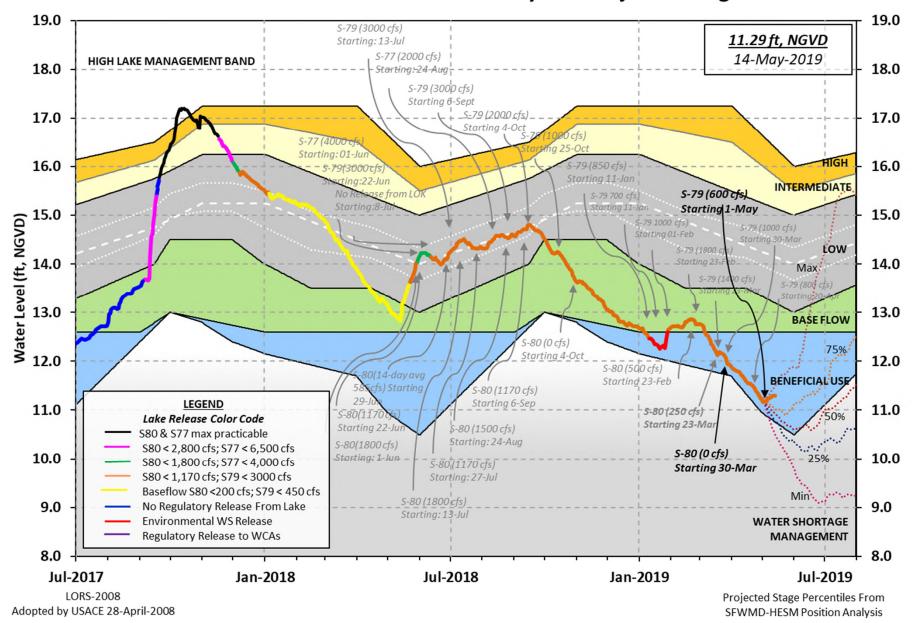




¹The 2008 LORS Release Guidance (Part D) can suggest baseflow releases in the Intermediate, Low, or Baseflow Subbands. ²Estuary "needs" water when the 30-day moving average salinity at I-75 bridge is projected to exceed 5 practical salinity units (psu) within 2 weeks. ³LOWSM = Lake Okeechobee Water Shortage 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 12 MAY 2019 Okeechobee Lake Regulation Elevation Last Year 2YRS Ago (ft-NGVD) (ft-NGVD) (ft-NGVD) 11.30 *Okeechobee Lake Elevation 12.83 -NR- (Official Elv) Bottom of High Lake Mngmt= 16.41 Top of Water Short Mngmt= 10.78 Currently in Operational Management Band Simulated Average LORS2008 [1965-2000] 12.14 Difference from Average LORS2008 -0.84 12MAY (1965-2007) Period of Record Average 13.34 Difference from POR Average -2.04 Today Lake Okeechobee elevation is determined from the 4 Int & 4 Edge stations ++Navigation Depth (Based on 2007 Channel Condition Survey) Route 1 ÷ 5.24' ++Navigation Depth (Based on 2008 Channel Condition Survey) Route 2 ÷ 3.44' Bridge Clearance = -NR-' 4 Interior and 4 Edge Okeechobee Lake Average (Avg-Daily values): L001 L005 L006 LZ40 S4 S352 S308 S133 11.37 11.35 11.26 11.26 11.20 -NR- 11.26 11.37 *Combination Okeechobee Avg-Daily Lake Average = 11.30 (*See Note) Okeechobee Inflows (cfs): Fisheating Cr 398 S65E 433 S65EX1 1 0 S154 0 S191 S135 Pumps 0 0 S84 163 S133 Pumps S2 Pumps 0 S84X 176 0 0 S127 Pumps S3 Pumps S71 20 S129 Pumps 0 S4 Pumps 0 S72 0 S131 Pumps 0 C5 0 Total Inflows: 1192 Okeechobee Outflows (cfs): 0 S77 S135 Culverts 0 S354 184 0 S127 Culverts S351 0 S308 -NR-S129 Culverts 0 S352 0 S131 Culverts 0 L8 Canal Pt -141 Total Outflows: No Report Due To Missing S77 or S308 Discharge Data

```
****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 0.05 S308 0.11
Average Pan Evap x 0.75 Pan Coefficient = 0.06" = 0.00'
Lake Average Precipitation using NEXRAD: = 0.14" = 0.01'
Evaporation - Precipitation: = -0.08" = -0.01'
Evaporation - Precipitation using Lake Area of 730 square miles
is equal to 1570 cfs into the lake.
Lake Okeechobee (Change in Storage) Flow is 1815 cfs or 3600 AC-FT
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	Headwater	Tailwater				Gat	te Pos	sition	ıs	
	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>)</i>	(-)
North East S	homo	(1) see n	ote at	DOLI	LOW				
		11.34	0	0	0	0	0	0	(af	-)
S133 Pumps S193:		11.34	0	0	0	0	0	0	(cf:	5)
S191:		11.33	0	0.0	0.0	0.0				
S135 Pumps	: 12.77	11.29	0	0	0	0	0		(cf:	з)
S135 Culve	rts:		0	0.0	0.0					
North West S	hore									
S65E:	20.91	11.04	433	0.0	0.2	0.4	0.4	0.0	0.0	
S65EX1:	20.91	11.04	398							
S127 Pumps	: 12.67	11.39	0	0	0	0	0	0	(cf:	з)
S127 Culve	rt:		0	0.0						
S129 Pumps	: 12.32	11.57	0	0	0	0			(cf:	з)
S129 Culve	rt:		0	0.0						
S131 Pumps	: 12.24	11.32	0	0	0				(cf:	з)
S131 Culve	rt:		0							
Fisheating										
nr Palmd nr Lakep		28.05	1							
C5:		-NR-	0	-NF	RNI	RNI	ર–			
South Shore										
S4 Pumps:	11.50	11.08	0	0	0	0			(cf:	3)
S169:	11.16	11.21	-47	4.9	4.9	4.9			-	
S310:	11.24		-151							

 S3 Pumps:
 9.82
 11.12
 0
 0
 0
 0
 (cfs)

 S354:
 11.12
 9.82
 0
 0.0
 0.0
 0
 (cfs)

 S2 Pumps:
 9.58
 -NR 0
 0
 0
 0
 (cfs)

 S351:
 -NR 9.58
 0
 0.0
 0.0
 0.0
 (cfs)

 S352:

 9.56
 0
 0.0
 0.0
 0.0
 0.0

 C10A:
 -NR 11.61
 8.0
 8.0
 8.0
 0.0
 0.0

 S352: ____ C10A: -NR-11.61 8.0 8.0 8.0 0.0 0.0 11.34 -141 L8 Canal PT S351 and S352 Temporary Pumps/S354 Spillway 9.58 S351: -NR- 0 -NR--NR--NR--NR--NR-S352: 9.56 0 -NR--NR--NR--NR-9.82 11.12 0 -NR--NR--NR--NR-S354: Caloosahatchee River (S77, S78, S79) S47B: 11.62 11.29 0.0 0.0 S47D: 11.35 11.37 -11 5.7 S77: Spillway and Sector Preferred Flow: 11.23 11.20 184 0.0 0.0 0.0 0.0 0 Flow Due to Lockages+: S78: Spillway and Sector Flow: 11.16 2.96 451 1.0 0.0 0.0 0.0 Flow Due to Lockages+: 2 S79: Spillway and Sector Flow: 3.12 2.33 1538 0.0 0.0 0.0 2.0 2.0 1.0 0.0 0.0 Flow Due to Lockages+: 8 flow from S77 12 (ppm) 58 12% Percent of flow from S77 Chloride St. Lucie Canal (S308, S80) S308: Spillway and Sector Preferred Flow: 11.22 -NR- 0 0.0 0.0 0.0 0.0 Flow Due to Lockages+: -NR-18.65 13.74 62 0.5 0.0 S153: S80: Spillway and Sector Flow:
 13.97
 0.01
 0
 0.0
 0.0
 0.0
 0.0
 0.0

 Flow Due to Lockages+:
 26
 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

				Wind		
- Daily Precipitation Totals	1-Day	3-Day	7-Day	Directio	on	
Speed	<i>.</i>		<i></i>	<i>(</i>)		
(1)	(inches)	(inches)	(inches)	(Degø)		
(mph)	NTD	0 00	0 00			
S133 Pump Station:	-NR-	0.00	0.00	NTD	NTD	
S193: Okeechobee Field Station:	-NR-	0.00	0.00	-NR-	-NR-	
	-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	216		
S77: S78:	5.02 3.08	5.08 3.47	6.44 4.07	216 203	2	
S78. S79:	3.08 4.07	3.47 5.12	4.07 6.97	203 215	-	
S79. S4 Pump Station:	4.07 -NR-	0.00	0.00	ZID	4	
Clewiston Field Station:	-NR-	0.00	0.00			
S3 Pump Station:	-NR-	0.00	0.00			
S2 Pump Station:	-NR-	0.00	0.00			
	-141	0.00				
	1 11	5 5 2	7 7/	109	1	
S308:	4.11	5.52	7.74	108 188		
S308: S80:	6.84	7.59	8.82	108 188		
S308: S80: Okeechobee Average (Sites S78, S79 and	6.84 4.57 S80 not inc	7.59 0.82 luded)			5	
S308: S80: Okeechobee Average	6.84 4.57 S80 not inc	7.59 0.82 luded)	8.82 1.09			
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg 	6.84 4.57 S80 not inc 0.14	7.59 0.82 luded)	8.82 1.09	188		
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 12MAY19	6.84 4.57 S80 not inc 0.14 12 MAY 2019	7.59 0.82 luded)	8.82 1.09 1.87	188	n	
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 12MAY19 12MAY19 -1 Day =	6.84 4.57 S80 not inc 0.14 12 MAY 2019 11 MAY 2019	7.59 0.82 luded)	8.82 1.09 1.87 11.30 Differ	188	n)1	
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 12MAY19 12MAY19 -1 Day = 12MAY19 -2 Days =	6.84 4.57 S80 not inc 0.14 12 MAY 2019 11 MAY 2019 10 MAY 2019	7.59 0.82 luded) 0.61	8.82 1.09 1.87 11.30 Differ 11.29	188	n)1)2	
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 12MAY19 12MAY19 -1 Day = 12MAY19 -2 Days = 12MAY19 -3 Days =	6.84 4.57 S80 not inc 0.14 12 MAY 2019 11 MAY 2019	7.59 0.82 luded) 0.61	8.82 1.09 1.87 11.30 Differ 11.29 11.28	188 cence from -0.0 -0.0	n)1)2)5	
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 12MAY19 12MAY19 -1 Day = 12MAY19 -2 Days = 12MAY19 -3 Days =	6.84 4.57 S80 not inc 0.14 12 MAY 2019 11 MAY 2019 10 MAY 2019 09 MAY 2019	7.59 0.82 luded) 0.61	8.82 1.09 1.87 11.30 Differ 11.29 11.28 11.25	188 cence from -0.0 -0.0 -0.0	n)1)2)5)5	
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 12MAY19 12MAY19 -1 Day = 12MAY19 -2 Days = 12MAY19 -3 Days = 12MAY19 -4 Days = 12MAY19 -5 Days =	6.84 4.57 S80 not inc 0.14 12 MAY 2019 11 MAY 2019 10 MAY 2019 09 MAY 2019 08 MAY 2019 07 MAY 2019	7.59 0.82 luded) 0.61	8.82 1.09 1.87 11.30 Differ 11.29 11.28 11.25 11.25 11.25 11.24	188 cence from -0.0 -0.0 -0.0 -0.0	n)1)2)5)5)6	
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 12MAY19 12MAY19 -1 Day = 12MAY19 -2 Days = 12MAY19 -3 Days = 12MAY19 -4 Days = 12MAY19 -5 Days = 12MAY19 -6 Days =	6.84 4.57 S80 not inc 0.14 12 MAY 2019 11 MAY 2019 10 MAY 2019 09 MAY 2019 08 MAY 2019	7.59 0.82 luded) 0.61	8.82 1.09 1.87 11.30 Differ 11.29 11.28 11.25 11.25	188 cence from -0.0 -0.0 -0.0 -0.0 -0.0 -0.0	n)1)2)5)5)6)7	
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 12MAY19 12MAY19 -1 Day = 12MAY19 -2 Days = 12MAY19 -3 Days = 12MAY19 -4 Days = 12MAY19 -5 Days = 12MAY19 -6 Days = 12MAY19 -7 Days =	6.84 4.57 S80 not inc 0.14 12 MAY 2019 11 MAY 2019 10 MAY 2019 09 MAY 2019 08 MAY 2019 07 MAY 2019 06 MAY 2019 06 MAY 2019 05 MAY 2019	7.59 0.82 luded) 0.61	8.82 1.09 1.87 11.30 Differ 11.29 11.28 11.25 11.25 11.24 11.23	188 cence from -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.	n)1)2)5)6)7)9	
S308: S80: Okeechobee Average (Sites S78, S79 and Oke Nexrad Basin Avg Okeechobee Lake Elevations 12MAY19 12MAY19 -1 Day = 12MAY19 -2 Days = 12MAY19 -3 Days = 12MAY19 -4 Days = 12MAY19 -5 Days = 12MAY19 -6 Days =	6.84 4.57 S80 not inc 0.14 12 MAY 2019 11 MAY 2019 10 MAY 2019 09 MAY 2019 08 MAY 2019 07 MAY 2019 06 MAY 2019	7.59 0.82 luded) 0.61	8.82 1.09 1.87 11.30 Differ 11.29 11.28 11.25 11.25 11.25 11.24 11.23 11.21	188 cence from -0.0 -0.0 -0.0 -0.0 -0.0 -0.0 -0.0	n)1)2)5)5)6)7)9 38	

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

12MAY19	Today	=	12 M	AY 2019	1491	MON	1999
12MAY19	-1 Day	=	11 M/	AY 2019	1194	SUN	1815
12MAY19	-2 Days	=	10 M	AY 2019	802	SAT	5445
12MAY19	-3 Days	=	09 M	AY 2019	212	FRI	0
12MAY19	-4 Days	=	08 M	AY 2019	48	THU	1959
12MAY19	-5 Days	=	07 M2	AY 2019	-341	WED	1991
12MAY19	-6 Days	=	06 M	AY 2019	-636	TUE	4055
12MAY19	-7 Days	=	05 M	AY 2019	-1085	MON	7754
12MAY19	-8 Days	=	04 M2	AY 2019	-1845	SUN	-1051
12MAY19	-9 Days	=	03 M	AY 2019	-1959	SAT	2653
12MAY19	-10 Days	=	02 M	AY 2019	-2148	FRI	980
12MAY19	-11 Days	=	01 M2	AY 2019	-2155	THU	-3397
12MAY19	-12 Days	=	30 A1	PR 2019	-2031	WED	-257
12MAY19	-13 Days	=	29 AI	PR 2019	-2223	TUE	-3071

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					St	55E			
				Average	Flov	v over	previous	14 days	Avg-Daily Flow
12MAY19		Today	/=	12	MAY	2019	178	MON	511
12MAY19	-1	Day	=	11	MAY	2019	142	SUN	469
12MAY19	-2	Days	=	10	MAY	2019	108	SAT	412
12MAY19	-3	Days	=	09	MAY	2019	79	FRI	376
12MAY19	-4	Days	=	08	MAY	2019	52	THU	573
12MAY19	-5	Days	=	07	MAY	2019	11	WED	156
12MAY19	-6	Days	=	06	MAY	2019	0	TUE	0
12MAY19	-7	Days	=	05	MAY	2019	0	MON	0
12MAY19	-8	Days	=	04	MAY	2019	0	SUN	0
12MAY19	-9	Days	=	03	MAY	2019	0	SAT	0
12MAY19	-10	Days	=	02	MAY	2019	0	FRI	0
12MAY19	-11	Days	=	01	MAY	2019	0	THU	0
12MAY19	-12	Days	=	30	APR	2019	0	WED	0
12MAY19	-13	Days	=	29	APR	2019	0	TUE	0

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					Se	55EX1				
				Average	Flov	v over	previous	14 days		Avg-Daily Flow
12MAY	19	Today	<u>/</u> =	12	MAY	2019	376	MON		398
12MAY	19 -1	Day	=	11	MAY	2019	377	SUN		400
12MAY	19 -2	Days	=	10	MAY	2019	375	SAT		398
12MAY	19 -3	Days	=	09	MAY	2019	379	FRI		398
12MAY	19 -4	Days	=	08	MAY	2019	388	THU		400
12MAY	19 -5	Days	=	07	MAY	2019	387	WED		405
12MAY	19 -6	Days	=	06	MAY	2019	391	TUE		403
12MAY	19 -7	Days	=	05	MAY	2019	398	MON	ĺ	403
12MAY	19 -8	Days	=	04	MAY	2019	404	SUN	ĺ	365
12MAY	19 -9	Days	=	03	MAY	2019	420	SAT		310
12MAY	19 -10	Days	=	02	MAY	2019	432	FRI		331
12MAY	19 -11	Days	=	01	MAY	2019	454	THU		363
12MAY	19 -12	Days	=	30	APR	2019	466	WED	ĺ	290
12MAY	19 -13	Days	=	29	APR	2019	486	TUE	ĺ	396

_ 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)	
12 MAY 2019	405	645	893	3070	
11 MAY 2019	0	272	1590	3056	
10 MAY 2019	0	-267	1441	4196	
09 MAY 2019	-948	-993	331	662	
08 MAY 2019	402	652	589	1207	
07 MAY 2019	300	692	1201	1276	
06 MAY 2019	84	889	1184	1836	
05 MAY 2019	-150	326	1178	2410	
04 MAY 2019	7	457	995	1622	
03 MAY 2019	314	664	885	3311	
02 MAY 2019	762	1033	1482	1268	
01 MAY 2019	1755	2666	1508	1746	
30 APR 2019	2764	2828	1890	2245	
29 APR 2019	2933	3022	2366	2795	
-	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)
DATE	Discharge (ALL DAY) (AC-FT)	Discharge (ALL DAY) (AC-FT)	Discharge (ALL DAY) (AC-FT)	Discharge (ALL DAY) (AC-FT)	Discharge (ALL DAY) (AC-FT)
DATE 12 MAY 2019	Discharge (ALL DAY) (AC-FT) -299	Discharge (ALL DAY) (AC-FT) 0	Discharge (ALL DAY) (AC-FT) 0	Discharge (ALL DAY) (AC-FT) 0	Discharge (ALL DAY) (AC-FT) -280
DATE 12 MAY 2019 11 MAY 2019	Discharge (ALL DAY) (AC-FT) -299 -182	Discharge (ALL DAY) (AC-FT) 0 0	Discharge (ALL DAY) (AC-FT) 0 0	Discharge (ALL DAY) (AC-FT) 0 0	Discharge (ALL DAY) (AC-FT) -280 -227
DATE 12 MAY 2019 11 MAY 2019 10 MAY 2019	Discharge (ALL DAY) (AC-FT) -299 -182 -166	Discharge (ALL DAY) (AC-FT) 0 0 0	Discharge (ALL DAY) (AC-FT) 0 0 0	Discharge (ALL DAY) (AC-FT) 0 0 0	Discharge (ALL DAY) (AC-FT) -280 -227 -50
DATE 12 MAY 2019 11 MAY 2019 10 MAY 2019 09 MAY 2019	Discharge (ALL DAY) (AC-FT) -299 -182 -166 -128	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0	Discharge (ALL DAY) (AC-FT) -280 -227 -50 -13
DATE 12 MAY 2019 11 MAY 2019 10 MAY 2019 09 MAY 2019 08 MAY 2019	Discharge (ALL DAY) (AC-FT) -299 -182 -166 -128 -155	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0	Discharge (ALL DAY) (AC-FT) -280 -227 -50 -13 -1
DATE 12 MAY 2019 11 MAY 2019 10 MAY 2019 09 MAY 2019 08 MAY 2019 07 MAY 2019	Discharge (ALL DAY) (AC-FT) -299 -182 -166 -128 -155 -236	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0	Discharge (ALL DAY) (AC-FT) -280 -227 -50 -13 -1 -6
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DATE 12 MAY 2019 11 MAY 2019 10 MAY 2019 09 MAY 2019 08 MAY 2019 07 MAY 2019 06 MAY 2019 05 MAY 2019 04 MAY 2019 03 MAY 2019 02 MAY 2019	Discharge (ALL DAY) (AC-FT) -299 -182 -166 -128 -155 -236 -249 -253 -50 -29 38	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 93 383 437 267 0	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 528 897 928 1161 1122	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Discharge (ALL DAY) (AC-FT) -280 -227 -50 -13 -1 -6 -14 -1 3 -6 1
DATE 12 MAY 2019 11 MAY 2019 10 MAY 2019 09 MAY 2019 08 MAY 2019 07 MAY 2019 06 MAY 2019 05 MAY 2019 04 MAY 2019 03 MAY 2019 02 MAY 2019 01 MAY 2019	Discharge (ALL DAY) (AC-FT) -299 -182 -166 -128 -155 -236 -249 -253 -50 -29 38 471	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 93 383 437 267 0 2614	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 528 897 928 1161 1122 2027	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 875	Discharge (ALL DAY) (AC-FT) -280 -227 -50 -13 -1 -6 -14 -1 3 -6 1 30
DATE 12 MAY 2019 11 MAY 2019 10 MAY 2019 09 MAY 2019 08 MAY 2019 07 MAY 2019 06 MAY 2019 05 MAY 2019 04 MAY 2019 03 MAY 2019 02 MAY 2019	Discharge (ALL DAY) (AC-FT) -299 -182 -166 -128 -155 -236 -249 -253 -50 -29 38	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 93 383 437 267 0	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 528 897 928 1161 1122	Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Discharge (ALL DAY) (AC-FT) -280 -227 -50 -13 -1 -6 -14 -1 3 -6 1

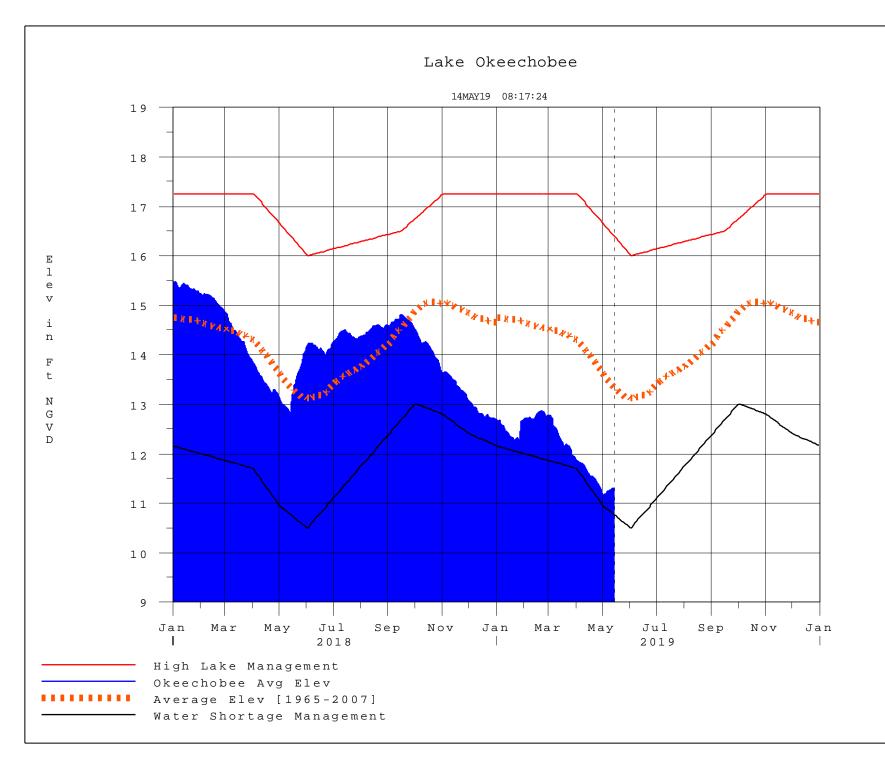
		S-308	Below S-308	S-80		
	I	Discharge	Discharge	Discharge		
		(ALL DAY)	(ALL-DAY)	(ALL-DAY)		
DAT	Ξ	(AC-FT)	(AC-FT)	(AC-FT)		
12 MAY	2019	-NR-	-189	52		
11 MAY	2019	-8	-79	47		
10 MAY	2019	-7	-56	649		
09 MAY	2019	-13	-28	44		
08 MAY	2019	-11	99	49		
07 MAY	2019	-5	-68	45		
06 MAY	2019	-2	32	37		
05 MAY	2019	-3	-82	33		
04 MAY	2019	-1	- 8	32		
03 MAY	2019	-1	-47	31		
02 MAY	2019	168	606	32		
01 MAY	2019	-201	109	36		
30 APR	2019	-112	497	44		
29 APR	2019	-270	40	33		

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 13MAY2019 @ 11:39 ** 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

• <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