Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 7/29/2019 (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-sa Neuti Y	ampling of ral ENSO rears ³	Sub-sampling of AMO Warm + Neutral ENSO Years ⁴		
	Value (ft)	<u>Condition</u>	Value (ft)	<u>Condition</u>	Value (ft)	Condition	Value (ft)	<u>Condition</u>	
Current (Jul-Dec)	N/A	N/A	2.14	Very Wet	2.61	Very Wet	3.63	Very Wet	
Multi Seasonal (Jul-Apr)	N/A	N/A	2.66	Wet	3.06	Wet	4.88	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:

1955 cfs 14-day running average for Lake Okeechobee Net Inflow through 7/28/2019. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Normal.

0.12 for Palmer Index on 7/27/2019.

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 7/29/2019

Lake Okeechobee Stage: 11.62 feet

USACE Report for Lake Okeechobee

Lake Okeechobee Stage Hydrograph

Lake Okeechob Zone	ee Management /Band	Bottom Elevation (feet, NGVD)	Current Lake Stage
High Lake Manage	ement Band	16.27	
	High sub-band	15.84	
Operational Band	Intermediate sub-band	15.41	
	Low sub-band	13.54	
Base Flow sub-ba	nd	12.60	
Beneficial Use sub-band		11.68	
Water Shortage N	lanagement Band		← 11.62

Part C of LORS2008: Discharge to WCA's

Lake Okeechobee stage is below the Base-Flow Sub-Band therefore, no releases to the WCAs to manage lake stages

Part D of LORS2008: Discharge to Tidewater

Lake Okeechobee stage is below the Base-Flow 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 07/29/2019 (ENSO El Niño Condition):

Status for week ending 07/29/2019:

District wide, Raindar rainfall was 1.84 inches for the week. Lake stage on 7/29/2019 was 11.62 ft, NGVD, up 0.11 ft from last week .The updated July 2019 SFWMM Dynamic Position Analysis percentile graph for Lake Okeechobee show that the current lake stage is in the Water Shortage Management Band. The LORS2008 Tributary Hydrologic Conditions (THC) are classified as **Normal.** The PDI 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	0.12 (Normal to Extremely Wet)	L
	CPC Provinitation Outlook	1 month: Normal	L
LOK	CPC Precipitation Outlook	3 months: Normal	L
	LOK Seasonal Net Inflow Outlook ENSO Forecast (positive)	2.61 ft (Normal to Extremely Wet)	L
	LOK Multi-Seasonal Net Inflow Outlook	3.06 ft (Normal)	М
	ENSO Forecast (positive)		
	WCA 1: Canal Gauge (Site 1-8C)	Above Line 1 (16.32 ft)	L
WCAs	WCA 2A: Site 2-17 HW	Above Line 1 (12.06 ft)	L
	WCA-3A: 3 Station Average (Site 63, 64, and 65)	Above Line 1 (9.59 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 July 2019 Position Analysis



(See assumptions on the Position Analysis Results website)

Tributary Basin Condition Indicators as of July 29 2019

Palmer Index



Tue Jul 30 08:38:03 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

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 28 JUL 2019 Okeechobee Lake Regulation Elevation Last Year 2YRS Ago (ft-NGVD) (ft-NGVD) (ft-NGVD) *Okeechobee Lake Elevation 11.62 14.32 -NR- (Official Elv) Bottom of High Lake Mngmt= 16.27 Top of Water Short Mngmt= 11.68 Currently in Water Shortage Management Band Simulated Average LORS2008 [1965-2000] 12.65 Difference from Average LORS2008 -1.03 28JUL (1965-2007) Period of Record Average 13.73 Difference from POR Average -2.11 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 \div 3.76' Bridge Clearance = 49.56' 4 Interior and 4 Edge Okeechobee Lake Average (Avg-Daily values): L001 L005 L006 LZ40 S4 S352 S308 S133 11.60 11.74 11.62 11.60 11.65 -NR- 11.56 11.55 *Combination Okeechobee Avg-Daily Lake Average = 11.62 (*See Note) Okeechobee Inflows (cfs): 444 S65E 664 S65EX1 Fisheating Cr 167 S135 Pumps S154 0 S191 0 0 0 S133 Pumps S84 475 S2 Pumps 0 S84X 0 0 0 S127 Pumps S3 Pumps S71 219 S129 Pumps 0 S4 Pumps 0 S72 0 S131 Pumps 0 C5 0 Total Inflows: 1969 Okeechobee Outflows (cfs): 0 S77 S135 Culverts 0 S354 1 S351 0 S127 Culverts 0 S308 -2 S129 Culverts 0 S352 0 S131 Culverts 32 L8 Canal Pt -31 Total Outflows: -1

```
****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 0.10 S308 -NR-
Average Pan Evap x 0.75 Pan Coefficient = -NR-" = -NR-'
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 3529 cfs or 7000 AC-FT
```

_

_

	Headwater	Tailwater				Gat	ce Pos	sitior	ns	
	Elevation	Elevation	Disch	#1	#2	#3	#4	#5	#6	#7
#8				()	(5	()	()	()		C L \
(5+)	(IT-mSI)	(It-msl)	(CIS)	(IC)	(IT)	(IC)	(IC)	(IC)	(IT) (IT)
(IC)		(T			- bott					
North Fort 9	horo	(1) see n	ole al	L DOLL	_0111				
S133 Dumpe	• 13 49	11 57	0	0	0	0	0	0	(afa)	
S193:	• 13.17	11.57	0	0	0	0	0	0	(CLS)	
S191:	18 82	11 56	0	0 0	0 0	0 0				
S135 Pumps	: 13.40	11.49	0	0.0	0.0	0.0	0		(cfs)	
S135 Culve	rts:		0	0.0	0.0	0	0		(020)	
North West S	hore									
S65E:	21.03	11.57	664	0.0	0.0	0.0	0.5	0.5	0.5	
S65EX1:	21.03	11.57	444							
S127 Pumps	: 13.35	11.54	0	0	0	0	0	0	(cfs)	
S127 Culve	rt:		0	0.0						
S129 Pumps	: 12.89	12.40	0	0	0	0			(cfs)	
S129 Culve	rt:		0	0.0						
S131 Pumps	: 12.99	11.76	0	0	0				(cfs)	
S131 Culve	rt:		32							
	a 1									
Fisheating	Creek	21 50	1 (7							
nr Palma	are	31.59	101							
de.	OIL		0	NT		זדא כ	- -			
CJ.		-1112-	U	-115	(MF	(M	(-			
South Shore										
S4 Pumps:	11.82	11.75	0	0	0	0			(cfs)	
S169:	11.80	11.80	-121	4.9	4.9	4.9			(== 0)	
S310:	11.61		-154							

S352: _____ C10A: ____R-11.85 11.69 -31 -NR-8.0 8.0 8.0 0.0 0.0 L8 Canal PT S351 and S352 Temporary Pumps/S354 Spillway 9.97 S351: -NR- 0 -NR--NR--NR--NR--NR-S352: 9.69 0 -NR--NR--NR--NR-12.17 11.70 0 -NR--NR--NR-S354: Caloosahatchee River (S77, S78, S79) S47B: 11.57 10.99 0.0 0.0 S47D: 11.01 11.01 13 5.2 S77: Spillway and Sector Preferred Flow: 11.37 10.91 0 0.0 0.0 0.0 0.0 Flow Due to Lockages+: 1 S78: Spillway and Sector Flow: 10.82 2.91 737 0.0 2.5 0.0 0.0 9 Flow Due to Lockages+: S79: Spillway and Sector Flow: 3.07 1.02 1820 0.0 1.0 2.0 2.0 2.0 1.0 0.0 0.0 Flow Due to Lockages+: 6 flow from S77 0 (ppm) 52 Percent of flow from S77 0% Chloride St. Lucie Canal (S308, S80) S308: Spillway and Sector Preferred Flow: 11.57 13.94 0 0.0 0.0 0.0 0.0 Flow Due to Lockages+: -2 18.63 13.82 55 0.0 0.0 S153: S80: Spillway and Sector Flow: 14.10 1.60 1246 0.0 1.0 1.0 1.0 0.0 0.0 0.0 Flow Due to Lockages+: 6 Percent of flow from S308 0% 08 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

_				W	ind
- Daily Precipitation Totals Speed	1-Day	3-Day	7-Day	Directi	on
bpecu	(inches)	(inches)	(inches)	(Degø)	
(mph)					
S133 Pump Station:	-NR-	0.00	0.00		
S193:	-NR-	0.00	0.00	-NR-	-NR-
Okeechobee Field Station:	-NR-	0.00	0.00		
S135 Pump Station:	-NR-	0.00	0.00		
S127 Pump Station:	-NR-	0.00	0.00		
S129 Pump Station:	-NR-	0.00	0.00		
S131 Pump Station:	-NR-	0.00	0.00		_
\$77:	25.04	27.55	28.65	21	5
S78:	16.23	17.04	18.26	21	1
S79:	22.29	22.30	23.32	143	1
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:	19.68	19.82	19.93	115	4
S80:	15.47	16.30	16.30	196	2
(Sites S78, S79 and	22.36 S80 not inc	3.64 luded)	3./4		
Oke Nexrad Basin Avg		0.00	0.00		
				_	
28JUL19	28 JUL 2019		11.62 Differ	rence iro	m
28JUL19 -1 Day =	27 JUL 2019		11.60	-0.	02
28JUL19 -2 Days =	26 JUL 2019		11.56	-0.	06
28JUL19 -3 Davs =	25 JUL 2019		11.54	-0.	08
28JUL19 -4 Days =	24 JUL 2019		11.53	-0.	09
28JUL19 -5 Days =	23 JUL 2019		11.52	-0.	10
28JUL19 -6 Days =	22 JUL 2019		11.52	-0.	10
28JUL19 -7 Days =	21 JUL 2019		11.51	-0.	11
28JUL19 -30 Days =	28 JUN 2019		11.28	-0.	34
28JUL19 -1 Year =	28 JUL 2018		14.32	2.	70
28JUL19 -2 Year =	28 JUL 2017		-NR-	-N	R-
Long Term Mean 30day Avearg	e ET for Lak	e Alfred (1	Inches) = 4.	52	

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

_

28JUL19	Today	=	28 JUL	2019	1997	MON	3529
28JUL19	-1 Day	=	27 JUL	2019	1745	SUN	7330
28JUL19	-2 Days	=	26 JUL	2019	962	SAT	3709
28JUL19	-3 Days	=	25 JUL	2019	957	FRI	1887
28JUL19	-4 Days	=	24 JUL	2019	1859	THU	1893
28JUL19	-5 Days	=	23 JUL	2019	1976	WED	49
28JUL19	-6 Days	=	22 JUL	2019	2224	TUE	1866
28JUL19	-7 Days	=	21 JUL	2019	2343	MON	1880
28JUL19	-8 Days	=	20 JUL	2019	2461	SUN	5510
28JUL19	-9 Days	=	19 JUL	2019	2332	SAT	70
28JUL19	-10 Days	=	18 JUL	2019	2251	FRI	426
28JUL19	-11 Days	=	17 JUL	2019	2289	THU	1430
28JUL19	-12 Days	=	16 JUL	2019	2140	WED	198
28JUL19	-13 Days	=	15 JUL	2019	2173	TUE	-1815

_

_

					se	55E			
				Average	Flov	v over	previous	14 days	Avg-Daily Flow
28JUL19		Today	/=	28	JUL	2019	784	MON	766
28JUL19	-1	Day	=	27	JUL	2019	795	SUN	798
28JUL19	-2	Days	=	26	JUL	2019	793	SAT	744
28JUL19	-3	Days	=	25	JUL	2019	802	FRI	756
28JUL19	-4	Days	=	24	JUL	2019	803	THU	760
28JUL19	-5	Days	=	23	JUL	2019	809	WED	766
28JUL19	-б	Days	=	22	JUL	2019	794	TUE	759
28JUL19	-7	Days	=	21	JUL	2019	779	MON	674
28JUL19	-8	Days	=	20	JUL	2019	773	SUN	756
28JUL19	-9	Days	=	19	JUL	2019	760	SAT	760
28JUL19	-10	Days	=	18	JUL	2019	754	FRI	757
28JUL19	-11	Days	=	17	JUL	2019	762	THU	780
28JUL19	-12	Days	=	16	JUL	2019	786	WED	973
28JUL19	-13	Days	=	15	JUL	2019	792	TUE	931

_

					Se	55EX1					
				Average	Flov	v over	previous	14 days		Avg-Daily H	Flow
28JUL19		Today	/=	28	JUL	2019	576	MON		444	
28JUL19	-1	Day	=	27	JUL	2019	572	SUN	Í	471	
28JUL19	-2	Days	=	26	JUL	2019	559	SAT		584	
28JUL19	-3	Days	=	25	JUL	2019	540	FRI	Í	666	
28JUL19	-4	Days	=	24	JUL	2019	508	THU	Í	670	
28JUL19	-5	Days	=	23	JUL	2019	482	WED	Í	675	
28JUL19	-б	Days	=	22	JUL	2019	454	TUE		675	
28JUL19	-7	Days	=	21	JUL	2019	424	MON	Í	593	
28JUL19	-8	Days	=	20	JUL	2019	405	SUN	Í	670	
28JUL19	-9	Days	=	19	JUL	2019	376	SAT	Í	673	
28JUL19	-10	Days	=	18	JUL	2019	356	FRI	Í	671	
28JUL19	-11	Days	=	17	JUL	2019	332	THU	Í	494	
28JUL19	-12	Days	=	16	JUL	2019	325	WED	j	417	
28JUL19	-13	Days	=	15	JUL	2019	344	TUE	j	363	

_ Lake Okeechobee Outlets Last 14 Days

			S-77	Below S-77	S-78	S-79		
		I	Discharge	Discharge	Discharge	Discharge		
			(ALL DAY)	(ALL-DAY)	(ALL DAY)	(ALL DAY)		
	DATE	2	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)		
28	JUL	2019	1	102	1479	3636		
27	JUL	2019	133	524	1487	3644		
26	JUL	2019	141	436	1472	4231		
25	JUL	2019	135	259	1459	4228		
24	JUL	2019	140	162	1720	4352		
23	JUL	2019	90	284	2041	5535		
22	JUL	2019	98	126	1239	3632		
21	JUL	2019	118	310	424	2018		
20	JUL	2019	119	313	306	2220		
19	JUL	2019	128	256	309	2207		
18	JUL	2019	144	295	301	2862		
17	JUL	2019	129	400	453	3039		
16	JUL	2019	1	37	860	3668		
15	JUL	2019	1	-183	1277	3355		
			S-310	S-351	S-352	S-354	L8 Canal Pt	
		I	S-310 Discharge	S-351 Discharge	S-352 Discharge	S-354 Discharge	L8 Canal Pt Discharge	
		I	S-310 Discharge (ALL DAY)	S-351 Discharge (ALL DAY)	S-352 Discharge (ALL DAY)	S-354 Discharge (ALL DAY)	L8 Canal Pt Discharge (ALL DAY)	
	DATE	I	S-310 Discharge (ALL DAY) (AC-FT)	S-351 Discharge (ALL DAY) (AC-FT)	S-352 Discharge (ALL DAY) (AC-FT)	S-354 Discharge (ALL DAY) (AC-FT)	L8 Canal Pt Discharge (ALL DAY) (AC-FT)	
28	DATE JUL	I 2019	S-310 Discharge (ALL DAY) (AC-FT) -305	S-351 Discharge (ALL DAY) (AC-FT) 0	S-352 Discharge (ALL DAY) (AC-FT) 0	S-354 Discharge (ALL DAY) (AC-FT) 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) -61	
28 27	DATE JUL JUL	I 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) -305 -330	S-351 Discharge (ALL DAY) (AC-FT) 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 0	S-354 Discharge (ALL DAY) (AC-FT) 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) -61 -59	
28 27 26	DATE JUL JUL JUL	I 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) -305 -330 -62	S-351 Discharge (ALL DAY) (AC-FT) 0 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 0 0	S-354 Discharge (ALL DAY) (AC-FT) 0 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) -61 -59 -74	
28 27 26 25	DATH JUL JUL JUL JUL	I 2019 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) -305 -330 -62 20	S-351 Discharge (ALL DAY) (AC-FT) 0 0 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 0 0 0	S-354 Discharge (ALL DAY) (AC-FT) 0 0 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) -61 -59 -74 -125	
28 27 26 25 24	DATE JUL JUL JUL JUL JUL	I 2019 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) -305 -330 -62 20 -46	S-351 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0	S-354 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) -61 -59 -74 -125 -144	
28 27 26 25 24 23	DATE JUL JUL JUL JUL JUL JUL	I 2019 2019 2019 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) -305 -330 -62 20 -46 -292	S-351 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0	S-354 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) -61 -59 -74 -125 -144 -333	
28 27 26 25 24 23 22	DATE JUL JUL JUL JUL JUL JUL	I 2019 2019 2019 2019 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) -305 -330 -62 20 -46 -292 -94	S-351 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0	S-354 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) -61 -59 -74 -125 -144 -333 -169	
28 27 26 25 24 23 22 21	DATE JUL JUL JUL JUL JUL JUL JUL	I 2019 2019 2019 2019 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) -305 -330 -62 20 -46 -292 -94 -7	S-351 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0	S-354 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) -61 -59 -74 -125 -144 -333 -169 -40	
28 27 26 25 24 23 22 21 20	DATE JUL JUL JUL JUL JUL JUL JUL JUL	2019 2019 2019 2019 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) -305 -330 -62 20 -46 -292 -94 -7 -1	S-351 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0	S-354 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) -61 -59 -74 -125 -144 -333 -169 -40 -39	
28 27 26 25 24 23 22 21 20 19	DATE JUL JUL JUL JUL JUL JUL JUL JUL	2019 2019 2019 2019 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) -305 -330 -62 20 -46 -292 -94 -7 -1 85	S-351 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0	S-354 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) -61 -59 -74 -125 -144 -333 -169 -40 -39 -8	
28 27 26 25 24 23 22 21 20 19	DATH JUL JUL JUL JUL JUL JUL JUL JUL JUL	2019 2019 2019 2019 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) -305 -330 -62 20 -46 -292 -94 -7 -1 85 288	S-351 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S-354 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) -61 -59 -74 -125 -144 -333 -169 -40 -39 -8 -0	
28 27 26 25 24 23 22 21 20 19 18	DATE JUL JUL JUL JUL JUL JUL JUL JUL JUL JUL	I 2019 2019 2019 2019 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) -305 -330 -62 20 -46 -292 -94 -7 -1 85 288 206	S-351 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S-354 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) -61 -59 -74 -125 -144 -333 -169 -40 -39 -8 -0 4	
28 27 26 25 24 23 22 21 20 19 18 17 16	DATE JUL JUL JUL JUL JUL JUL JUL JUL JUL JUL	I 2019 2019 2019 2019 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) -305 -330 -62 20 -46 -292 -94 -7 -1 85 288 206 -8	S-351 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S-354 Discharge (ALL DAY) (AC-FT) 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) -61 -59 -74 -125 -144 -333 -169 -40 -39 -8 -0 4 -30	

	S-308		S-308	Below S-308	S-80	
			Discharge	Discharge	Discharge	
			(ALL DAY)	(ALL-DAY)	(ALL-DAY)	
	DATE	2	(AC-FT)	(AC-FT)	(AC-FT)	
28	JUL	2019	-3	-17	2482	
27	JUL	2019	-5	111	1770	
26	JUL	2019	-6	4	34	
25	JUL	2019	-9	195	30	
24	JUL	2019	-4	-130	526	
23	JUL	2019	-7	-438	1282	
22	JUL	2019	-4	-1	19	
21	JUL	2019	-NR-	-59	19	
20	JUL	2019	-7	-39	26	
19	JUL	2019	-6	-20	26	
18	JUL	2019	-5	-72	26	
17	JUL	2019	-2	15	19	
16	JUL	2019	-4	-73	15	
15	JUL	2019	-9	128	27	

ana		Lockages	Discharges	from	n 0015 hi	rs to 2	2400 hrs.			
*** and	NOTE:	Discharge	e (ALL DAY)	is c	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 29JUL2019 @ 15:39 ** 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

<u>Classification of Lake Okeechobee Net Inflow for Multi-</u>

Seasonal Outlook

 Table K-4 in the Lake Okeechobee Water Control Plan

Back to Lake Okeechobee Operations Main Page

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

Tributary Hydrologic	Palmer Index	2-wk Mean L.O. Net
Classification*	Class Limits	Inflow Class Limits
Very Wet	3.0 or greater	Greater >= 6000 cfs
Wet	1.5 to 2.99	2500 - 5999 cfs
Near Normal	-1.49 to 1.49	500 - 2499 cfs
Dry	-2.99 to -1.5	-5000 – 500 cfs
Very Dry	-3.0 or less	Less than -5000 cfs

* 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