Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 11/4/2019 (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	Cı Me	roley's ethod ^{1*}	SFWMD Empirical Method ²		SFWMD Empirical Method ² Sub-sampling of Neutral ENSO Years ³		Sub-sampling of AMO Warm + Neutral ENSO Years ⁴	
	Value (ft)	<u>Condition</u>	Value (ft)	Condition	Value (ft)	Condition	Value (ft)	<u>Condition</u>
Current (Nov- Apr)	N/A	N/A	0.38	Dry	0.65	Dry	1.78	Wet
Multi Seasonal (Nov- Oct)	N/A	N/A	3.05	Wet	3.36	Wet	5.72	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:

-1426 cfs 14-day running average for Lake Okeechobee Net Inflow through 11/3/2019. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Dry.

-1.43 for Palmer Index on 11/2/2019.

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 11/3/2019

Lake Okeechobee Stage: 13.38 feet

USACE Report for Lake Okeechobee

Lake Okeechobee Stage Hydrograph

Lake Okeechob	ee Management	Bottom Elevation	Current Lake
Zone/	Band	(feet, NGVD)	Stage
High Lake Manage	ement Band	17.25	
Onenstienst	High sub-band	16.88	
Band	Intermediate sub-band	16.25	
	Low sub-band	14.50	
Base Flow sub-band		12.85	← 13.38
Beneficial Use sub	o-band	12.76	
Water Shortage M	anagement Band		

Part C of LORS2008: Discharge to WCA's

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.

Adaptive Protocol's Release Guidance: Caloosahatchee Estuary

Release Guidance Flow Chart Outcome: S-79 Up to 450 cfs & S-77 baseflow release to supplement as needed.

Back to Lake Okeechobee Operations Main Page

Back to U.S. Army Corps of Engineers LORSS Homepage

LORS2008 Implementation on 11/04/2019 (ENSO Neutral Condition):

Status for week ending 11/04/2019:

District wide, Raindar rainfall was 0.25 inches for the week. Lake stage on 11/04/2019 was 13.38 ft, NGVD, down 0.11 ft from last week .The updated October 2019 SFWMM Dynamic Position Analysis percentile graph for Lake Okeechobee show that the current lake stage is in the Base-Flow Sub-Band. The LORS2008 Tributary Hydrologic Conditions (THC) are classified as **Normal**. The PDI 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	Base-Flow Sub-Band	М
	Palmer Index for LOK Tributary Conditions	-1.43 (Dry)	М
	CPC Presinitation Outlook	1 month: Normal	L
LOK	CPC Precipitation Outlook	3 months: Normal	L
	LOK Seasonal Net Inflow Outlook ENSO Forecast (positive)	0.65 ft (Dry)	М
	LOK Multi-Seasonal Net Inflow Outlook	3.36 ft	L
	ENSO Forecast (positive)	(\\eta)	
	WCA 1: 3 Station Average (Site 1-7, Site 1-8T & Site 1-9)	Above Line 1 (16.70 ft)	L
WCAs	WCA 2A: Site 2-17 HW	Above Line 1 (12.89 ft)	L
	WCA-3A: 3 Station Average (Site 63, 64, and 65)	Above Line 1 (9.90 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 Nov 2019 Position Analysis



(See assumptions on the Position Analysis Results website)

Wed Nov 06 12:29:55 EST 2019

Tributary Basin Condition Indicators as of November 4 2019

Palmer Index



Mon Nov 04 14:57:10 EST 2019

Flow (cfs)

2008 LORS

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



2008 LORS

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





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 03 NOV 2019 Okeechobee Lake Regulation Elevation Last Year 2YRS Ago (ft-NGVD) (ft-NGVD) (ft-NGVD) 13.38 *Okeechobee Lake Elevation 13.65 -NR- (Official Elv) Bottom of High Lake Mngmt= 17.25 Top of Water Short Mngmt= 12.76 Currently in Operational Management Band Simulated Average LORS2008 [1965-2000] 13.96 Difference from Average LORS2008 -0.58 03NOV (1965-2007) Period of Record Average 15.02 Difference from POR Average -1.64 Today Lake Okeechobee elevation is determined from the 4 Int & 4 Edge stations ++Navigation Depth (Based on 2007 Channel Condition Survey) Route 1 ÷ 7.32' ++Navigation Depth (Based on 2008 Channel Condition Survey) Route 2 ÷ 5.52' Bridge Clearance = 50.11' 4 Interior and 4 Edge Okeechobee Lake Average (Avg-Daily values): L001 L005 L006 LZ40 S4 S352 S308 S133 13.19 13.45 13.49 13.39 13.68 13.50 13.24 13.11 *Combination Okeechobee Avg-Daily Lake Average = 13.38 (*See Note) Okeechobee Inflows (cfs): Fisheating Cr S65E 229 S65EX1 111 14 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 S72 0 S131 Pumps 0 C5 0 Total Inflows: 354 Okeechobee Outflows (cfs): 997 83 S77 S135 Culverts 0 S354 0 S308 S127 Culverts S351 207 -307 S129 Culverts 0 S352 0 S131 Culverts 0 L8 Canal Pt 103 Total Outflows: 1083

	Headwater	Tailwater				Gat	te Pos	sitio	ns	
			- 1							
що	Elevation	Elevation	Disch	#⊥	#2	#3	#4	#5	#6	#7
#8	(ft_mgl)	(ft_mgl)	(cfg)	(f+)	(f+)	(f+)	(f+)	(f+)	(f+)	(f+)
(ft)	(IC IIISI)	(IC IIISI)	(CLS)	(10)	(10)	(10)	(10)	(10)	(10)	(10)
(10)		(]) see n	ote at	bott	om				
North East Sl	hore	· -	,							
S133 Pumps S193:	: 13.29	13.40	0	0	0	0	0	0	(cfs	3)
S191:	16.94	13.39	0	0.0	0.0	0.0				
S135 Pumps	: 13.38	13.29	0	0	0	0	0		(cfs	5)
S135 Culve:	rts:		0	0.0	0.0					
North West Sl	hore									
S65E:	20.94	13.26	229	0.0	0.0	0.0	0.0	0.0	0.0	
S65EX1:	20.94	13.26	111							
S127 Pumps	: 13.18	13.34	0	0	0	0	0	0	(cfs	3)
S127 Culve:	rt:		0	0.0						
S129 Pumps	: 12.91	13.43	0	0	0	0			(cfs	в)
S129 Culve:	rt:		0	0.0						
S131 Pumps	: 12.64	13.47	0	0	0				(cfs	5)
SI31 Culve:	rt:		0							
Fisheating	Creek									
nr Palmda	ale	28.65	14							
nr Lakep	ort									
C5:		-NR-	0	-NF	R− −NF	R− −NH	ર–			
South Shore										
S4 Pumps:	10.48	13.35	0	0	0	0			(cfs	3)
S169:	13.40	10.44	0	0.0	0.0	0.0				
S310:	13.35		7							

 S3 Pumps:
 10.35
 13.36
 0
 0
 0
 0
 (cfs)

 S354:
 13.36
 10.35
 83
 0.2
 0.2
 (cfs)

 S2 Pumps:
 10.39
 -NR 0
 0
 0
 0
 (cfs)

 S351:
 -NR 10.39
 207
 0.2
 0.2
 0.2

 S352:
 13.48
 10.26
 0
 0.0
 0.0
 0.0

 C10A:
 -NR 13.52
 8.0
 8.0
 8.0
 0.0
 0.0

 13.52 13.37 103 L8 Canal PT S351 and S352 Temporary Pumps/S354 Spillway 10.39 S351: -NR- 207 -NR--NR--NR--NR--NR-
 10.26
 13.48
 0
 -NR--NR--NR

 10.35
 13.36
 83
 -NR--NR--NR S352: S354: Caloosahatchee River (S77, S78, S79) S47B: 13.22 11.22 1.0 1.0 S47D: 11.13 11.13 23 6.0 S77: Spillway and Sector Preferred Flow: 13.39 11.01 993 0.0 3.0 2.5 0.0 4 Flow Due to Lockages+: S78: Spillway and Sector Flow: 11.02 2.81 790 0.0 0.0 2.5 0.0 Flow Due to Lockages+: 14 S79: Spillway and Sector Flow: 2.94 1.24 1303 0.0 1.0 1.0 1.0 1.0 1.0 0.0 0.0 Flow Due to Lockages+: 9 76% Percent of flow from S77 (ppm) Chloride 0 St. Lucie Canal (S308, S80) S308: Spillway and Sector Preferred Flow: 13.29 13.39 -306 0.0 0.0 0.0 0.0 Flow Due to Lockages+: -1 18.87 13.24 0 0.0 0.0 S153: S80: Spillway and Sector Flow:

 13.53
 1.44
 0
 0.0
 0.0
 0.0
 0.0
 0.0
 0.0
 0.0

 Flow Due to Lockages+:
 16

 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

_				W	ind
	_		_		
Daily Precipitation Totals Speed	1-Day	3-Day	7-Day	Directi	on
-	(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		
s77:	3.41	3.41	3.41	37	3
S78:	1.42	1.42	1.42	48	1
S79:	1.91	2.00	2.00	5	4
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:	30.20	30.20	30.20	68	2
S80:	7.57	8.28	8.35	96	7
Okeechobee Average	16.81	2.59	2.59		
(Sites S78, S79 and	S80 not inc	luded)			
Oke Nexrad Basin Avg	0.01	0.02	0.08		
_ Okeechobee Lake Elevations 03NOV19	03 NOV 2019		13.38 Differ	ence from	m
03NOV19 -1 Day =	02 NOV 2019		13.42	0.	04
03NOV19 - 2 Days =	01 NOV 2019		13.44	0.	06
03NOV19 - 3 Days =	31 OCT 2019		13.45	0 .	07
03NOV19 - 4 Days =	30 OCT 2019		13.46	0.	0.8
03NOV19 - 5 Days =	29 OCT 2019		13.48	0.1	10
03NOV19 - 6 Days =	28 OCT 2019		13 49	0	11
03NOV19 - 7 Davg =	27 OCT 2019		13 50	0	12
03NOV19 - 30 Davg =	04 OCT 2019		13 46	0.	 0.8
03NOV19 - 1 Vear =	03 NOV 2019		13 65	0.1	23 27
0.3NOV19 = 2 Veer =	03 NOV 2010		_NR_		د ، R –
2 ieal -			TN17	-11	
Long Term Mean 30day Avearge	e ET for Lak	e Alfred (]	Inches) = 3.	17	

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

03NOV19	Today	=	03	NOV	2019	-1293	MON	-6983
03NOV19	-1 Day	=	02	NOV	2019	94	SUN	-2083
03NOV19	-2 Days	=	01	NOV	2019	847	SAT	-1414
03NOV19	-3 Days	=	31	OCT	2019	722	FRI	-1289
03NOV19	-4 Days	=	30	OCT	2019	608	THU	-3475
03NOV19	-5 Days	=	29	OCT	2019	798	WED	-1696
03NOV19	-6 Days	=	28	OCT	2019	698	TUE	-2067
03NOV19	-7 Days	=	27	OCT	2019	860	MON	6265
03NOV19	-8 Days	=	26	OCT	2019	-10	SUN	2369
03NOV19	-9 Days	=	25	OCT	2019	-470	SAT	-3804
03NOV19	-10 Days	=	24	OCT	2019	-346	FRI	73
03NOV19	-11 Days	=	23	OCT	2019	252	THU	-4076
03NOV19	-12 Days	=	22	OCT	2019	1443	WED	28
03NOV19	-13 Days	=	21	OCT	2019	2086	TUE	46

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					Se	55E			
				Average	Flov	v over	previous	14 days	Avg-Daily Flow
03NOV19		Today	/=	03	NOV	2019	322	MON	265
03NOV19	-1	Day	=	02	NOV	2019	320	SUN	326
03NOV19	-2	Days	=	01	NOV	2019	314	SAT	342
03NOV19	-3	Days	=	31	OCT	2019	305	FRI	285
03NOV19	-4	Days	=	30	OCT	2019	304	THU	339
03NOV19	-5	Days	=	29	OCT	2019	296	WED	379
03NOV19	-6	Days	=	28	OCT	2019	286	TUE	230
03NOV19	-7	Days	=	27	OCT	2019	279	MON	446
03NOV19	-8	Days	=	26	OCT	2019	271	SUN	369
03NOV19	-9	Days	=	25	OCT	2019	252	SAT	335
03NOV19	-10	Days	=	24	OCT	2019	238	FRI	259
03NOV19	-11	Days	=	23	OCT	2019	239	THU	350
03NOV19	-12	Days	=	22	OCT	2019	243	WED	347
03NOV19	-13	Days	=	21	OCT	2019	248	TUE	237

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					Se	55EX1				
				Average	Flov	v over	previous	14 days	Avg-Daily F	low
03NOV19		Today	/=	03	NOV	2019	100	MON	111	
03NOV19	-1	Day	=	02	NOV	2019	107	SUN	111	
03NOV19	-2	Days	=	01	NOV	2019	114	SAT	95	
03NOV19	-3	Days	=	31	OCT	2019	115	FRI	51	
03NOV19	-4	Days	=	30	OCT	2019	121	THU	102	
03NOV19	-5	Days	=	29	OCT	2019	125	WED	135	
03NOV19	-6	Days	=	28	OCT	2019	124	TUE	0	
03NOV19	-7	Days	=	27	OCT	2019	142	MON	101	
03NOV19	-8	Days	=	26	OCT	2019	148	SUN	117	
03NOV19	-9	Days	=	25	OCT	2019	158	SAT	85	
03NOV19	-10	Days	=	24	OCT	2019	172	FRI	39	
03NOV19	-11	Days	=	23	OCT	2019	179	THU	104	
03NOV19	-12	Days	=	22	OCT	2019	174	WED	145	
03NOV19	-13	Days	=	21	OCT	2019	179	TUE	206	
									•	

_ 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	C	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)		
03	NOV	2019	1978	1842	1614	2620		
02	NOV	2019	1443	1361	898	1380		
01	NOV	2019	1209	1192	619	221		
31	OCT	2019	1367	* * * * * *	613	169		
30	OCT	2019	1247	1506	612	263		
29	OCT	2019	767	879	514	473		
28	OCT	2019	4	95	309	1512		
27	OCT	2019	127	264	711	1868		
26	OCT	2019	533	1066	589	1412		
25	OCT	2019	419	793	689	616		
24	OCT	2019	7	162	723	745		
23	OCT	2019	4	304	960	2506		
22	OCT	2019	7	1139	1574	3150		
21	OCT	2019	3	1194	2398	2927		
			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)	
03	DATE NOV	1 2019	S-310 Discharge (ALL DAY) (AC-FT) 14	S-351 Discharge (ALL DAY) (AC-FT) 410	S-352 Discharge (ALL DAY) (AC-FT) 0	S-354 Discharge (ALL DAY) (AC-FT) 133	L8 Canal Pt Discharge (ALL DAY) (AC-FT) 203	
03 02	DATE NOV NOV	1 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) 14 -9	S-351 Discharge (ALL DAY) (AC-FT) 410 1224	S-352 Discharge (ALL DAY) (AC-FT) 0 345	S-354 Discharge (ALL DAY) (AC-FT) 133 535	L8 Canal Pt Discharge (ALL DAY) (AC-FT) 203 275	
03 02 01	DATE NOV NOV NOV	1 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) 14 -9 37	S-351 Discharge (ALL DAY) (AC-FT) 410 1224 0	S-352 Discharge (ALL DAY) (AC-FT) 0 345 0	S-354 Discharge (ALL DAY) (AC-FT) 133 535 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) 203 275 90	
03 02 01 31	DATE NOV NOV NOV OCT	I 2019 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) 14 -9 37 -29	S-351 Discharge (ALL DAY) (AC-FT) 410 1224 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 345 0 0	S-354 Discharge (ALL DAY) (AC-FT) 133 535 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) 203 275 90 179	
03 02 01 31 30	DATH NOV NOV NOV OCT OCT	I 2019 2019 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) 14 -9 37 -29 26	S-351 Discharge (ALL DAY) (AC-FT) 410 1224 0 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 345 0 0 0	S-354 Discharge (ALL DAY) (AC-FT) 133 535 0 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) 203 275 90 179 72	
03 02 01 31 30 29	DATH NOV NOV OCT OCT OCT	2019 2019 2019 2019 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) 14 -9 37 -29 26 -13	S-351 Discharge (ALL DAY) (AC-FT) 410 1224 0 0 0 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 345 0 0 0 0 0	S-354 Discharge (ALL DAY) (AC-FT) 133 535 0 0 0 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) 203 275 90 179 72 -60	
03 02 01 31 30 29 28	DATH NOV NOV OCT OCT OCT	E 2019 2019 2019 2019 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) 14 -9 37 -29 26 -13 -73	S-351 Discharge (ALL DAY) (AC-FT) 410 1224 0 0 0 0 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 345 0 0 0 0 0 0 0	S-354 Discharge (ALL DAY) (AC-FT) 133 535 0 0 0 0 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) 203 275 90 179 72 -60 -143	
03 02 01 31 30 29 28 27	DATH NOV NOV OCT OCT OCT OCT	E 2019 2019 2019 2019 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) 14 -9 37 -29 26 -13 -73 -70	S-351 Discharge (ALL DAY) (AC-FT) 410 1224 0 0 0 0 0 0 0 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 345 0 0 0 0 0 0 0 0	S-354 Discharge (ALL DAY) (AC-FT) 133 535 0 0 0 0 0 0 0 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) 203 275 90 179 72 -60 -143 -244	
03 02 01 31 30 29 28 27 26	DATH NOV NOV OCT OCT OCT OCT OCT	E 2019 2019 2019 2019 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) 14 -9 37 -29 26 -13 -73 -70 -106	S-351 Discharge (ALL DAY) (AC-FT) 410 1224 0 0 0 0 0 0 0 0 0 0 0 0 0	S-352 Discharge (ALL DAY) (AC-FT) 0 345 0 0 0 0 0 0 0 0 0 0 0	S-354 Discharge (ALL DAY) (AC-FT) 133 535 0 0 0 0 0 0 0 0 0 0 0 0 0	L8 Canal Pt Discharge (ALL DAY) (AC-FT) 203 275 90 179 72 -60 -143 -244 64	
03 02 01 30 29 28 27 26 25	DATH NOV NOV OCT OCT OCT OCT OCT OCT	2019 2019 2019 2019 2019 2019 2019 2019	S-310 Discharge (ALL DAY) (AC-FT) 14 -9 37 -29 26 -13 -73 -70 -106 -107	S-351 Discharge (ALL DAY) (AC-FT) 410 1224 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) 0 345 0 0 0 0 0 0 0 0 0 0 0 0 0 0	S-354 Discharge (ALL DAY) (AC-FT) 133 535 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) 203 275 90 179 72 -60 -143 -244 64 256	
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			S-308	Below S-308	S-80
			Discharge	Discharge	Discharge
			(ALL DAY)	(ALL-DAY)	(ALL-DAY)
	DATE	2	(AC-FT)	(AC-FT)	(AC-FT)
03	NOV	2019	-632	-829	31
02	NOV	2019	-2	56	58
01	NOV	2019	-3	23	51
31	OCT	2019	-2	-348	40
30	OCT	2019	-2	-8	55
29	OCT	2019	-1	175	40
28	OCT	2019	-544	-613	22
27	OCT	2019	-1039	-1234	30
26	OCT	2019	-455	-470	37
25	OCT	2019	-1	208	14
24	OCT	2019	-483	-364	18
23	OCT	2019	-2	-NR-	34
22	OCT	2019	-3	-145	38
21	OCT	2019	-2	-588	34

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 04NOV2019 @ 14:39 ** 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

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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