Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 4/8/2019 (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 CPC Outlook.

Table of the Lake Okeechobee Net Inflow Outlooks in feet of equivalent depth. All methods are updated on a weekly basis with observed net inflow for the current month.

Season	Croley's Method ^{1*}		SFWMD Empirical Method ²		Sub-sampling of Neutral ENSO Years ³		Sub-sampling of AMO Warm + Neutral ENSO Years ⁴	
	Value (ft)	Condition	Value (ft)	Condition	Value (ft)	Condition	Value (ft)	Condition
Current (Apr- Sep)	N/A	N/A	1.98	Wet	2.30	Very Wet	2.96	Very Wet
Multi Seasonal (Apr-Oct)	N/A	N/A	2.68	Wet	2.87	Wet	4.01	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:

- **-1437 cfs** 14-day running average for Lake Okeechobee Net Inflow through 4/7/2019. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Dry.
- **-0.78** for Palmer Index on 4/6/2019. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Normal.

The wetter of the two conditions above is **Normal**.

LORS2008 Classification Tables:

Lake Okeechobee Stage on 4/8/2019

Lake Okeechobee Stage: 11.79 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	17.13	
	High sub-band		
Operational Band	Intermediate sub-band	15.44	
	Low sub-band	13.50	
Base Flow sub-ba	nd	12.60	
Beneficial Use sub	o-band		← 11.79
Water Shortage M	lanagement Band	11.53	

Part C of LORS2008: Discharge to WCA's

Lake Okeechobee stage is within the Beneficial Use Sub-band therefore, no releases to the WCAs to manage lake stages

Part D of LORS2008: Discharge to Tidewater

Lake Okeechobee stage is within the Beneficial Use Sub-band therefore, no releases to the St. Lucie or Caloosahatchee Estuaries to manage lake stages.

Adaptive Protocol's Release Guidance: Caloosahatchee Estuary

Release Guidance Flow Chart Outcome: No releases.

Back to Lake Okeechobee Operations Main Page

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

LORS2008 Implementation on 04/08/2019 (ENSO El Niño Condition):

Status for week ending 04/08/2019:

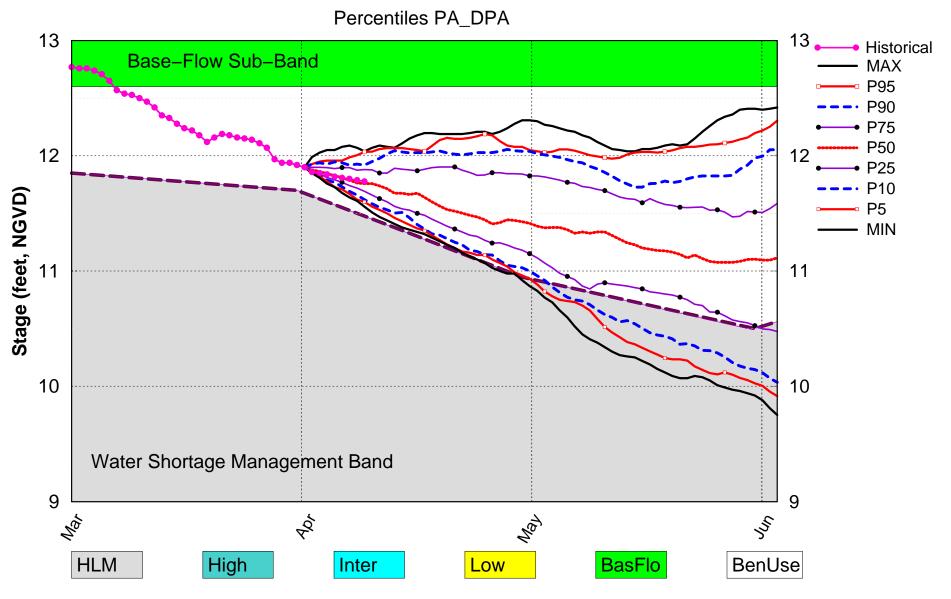
District wide, Raindar rainfall was 0.61 inches for the week. Lake stage on 04/08/2019 was 11.79ft, NGVD, down 0.11 ft from last week .The updated April 2019 SFWMM Dynamic Position Analysis percentile graph for Lake Okeechobee show that the current lake stage is in the Beneficial Use Sub-band. The LORS2008 Tributary Hydrologic Conditions (THC) are classified as **Normal.** The PDSI indicates normal conditions and the LONIN is dry. The THC classification is based on the wetter of the two indices

Water Supply Risk Evaluation

Area	Indicator	Value	Color Coded Scoring Scheme
	Projected LOK Stage for the next two months	Beneficial Use Sub-Band	П
	Palmer Index for LOK Tributary Conditions	-0.78 (Normal)	٦
	CDC Procinitation Outlook	1 month: Above Normal	L
LOK	CPC Precipitation Outlook	3 months: Above Normal	П
	LOK Seasonal Net Inflow Outlook ENSO Forecast (positive)	2.30 ft (Normal to Extremely Wet)	L
	LOK Multi-Seasonal Net Inflow Outlook	2.87 ft (Normal)	M
	ENSO Forecast (positive)		
	WCA 1: Site 1-8T, & Site 1-9 Average	Above Line 1 (16.10 ft)	L
WCAs	WCA 2A: Site 2-17 HW	Above Line 1 (12.07 ft)	L
	WCA-3A: 3 Station Average (Site 64 and 65)	Above Line 1 (9.29 ft)	L
	Service Area 1	Year-Round Irrigation Rule in effect	L
LEC	Service Area 2	Year-Round Irrigation Rule in effect	L
	Service Area 3	Year-Round Irrigation Rule in effect	L

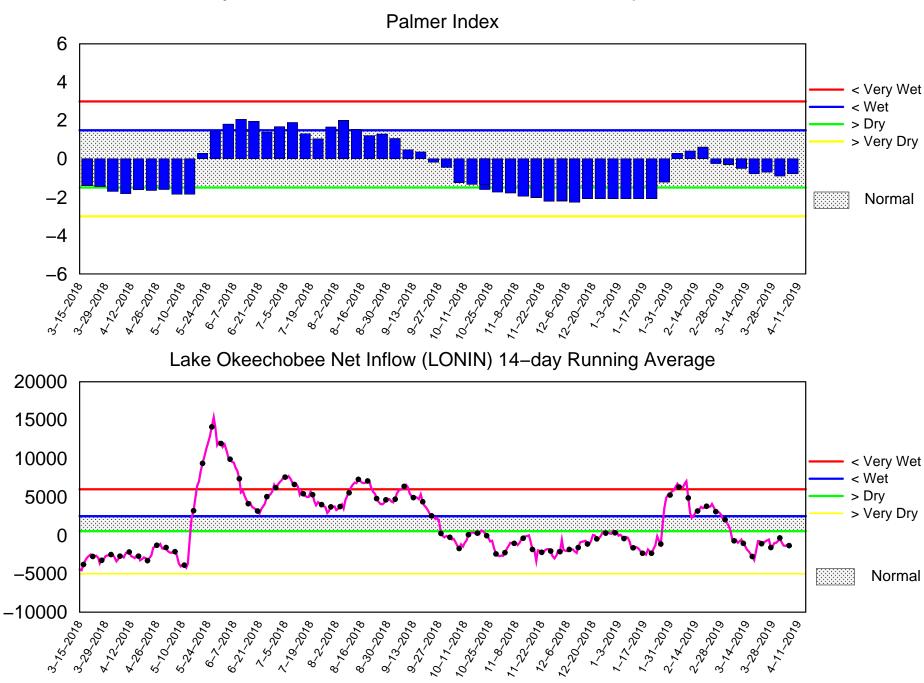
Note: The water supply risk classification based on the Palmer index, as well as the LOK seasonal and multi-seasonal net inflow outlooks use slightly different classification intervals than those used by the 2008-LORS.

Lake Okeechobee SFWMM Apr 2019 Position Analysis



(See assumptions on the Position Analysis Results website)

Tributary Basin Condition Indicators as of April 8 2019

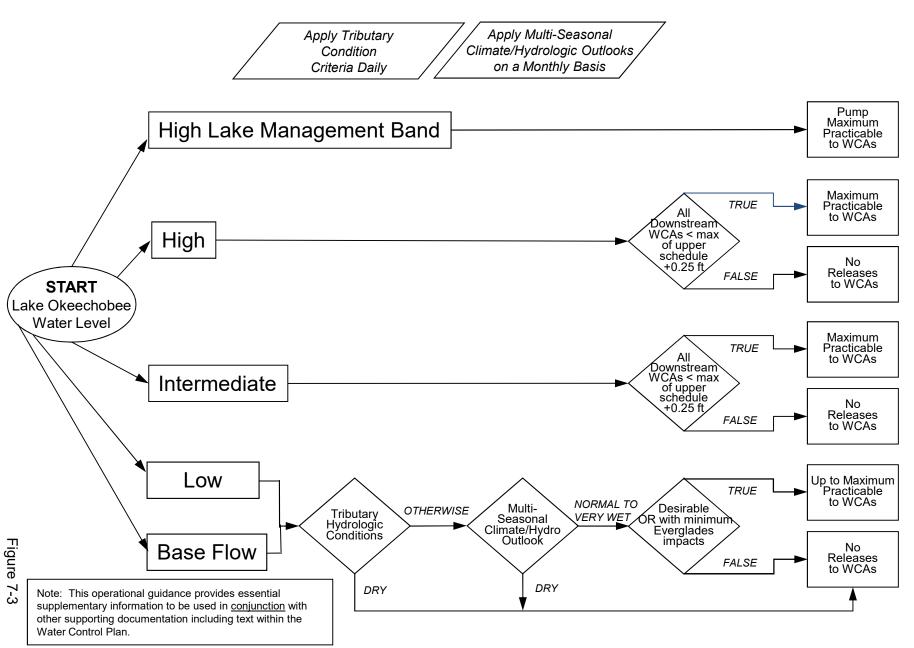


Mon Apr 08 18:02:06 EDT 2019

Flow (cfs)

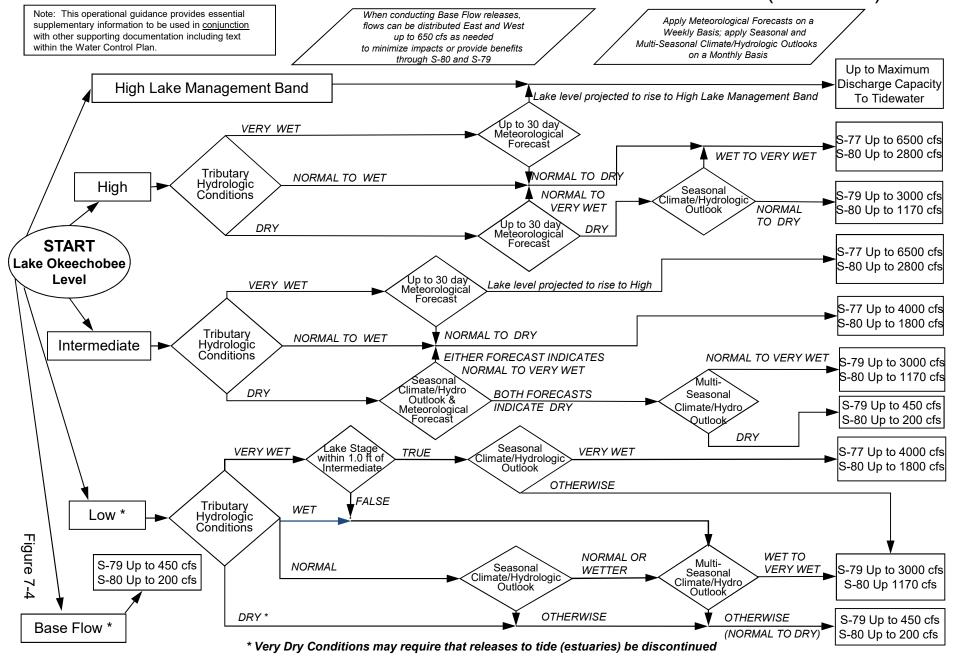
2008 LORS

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

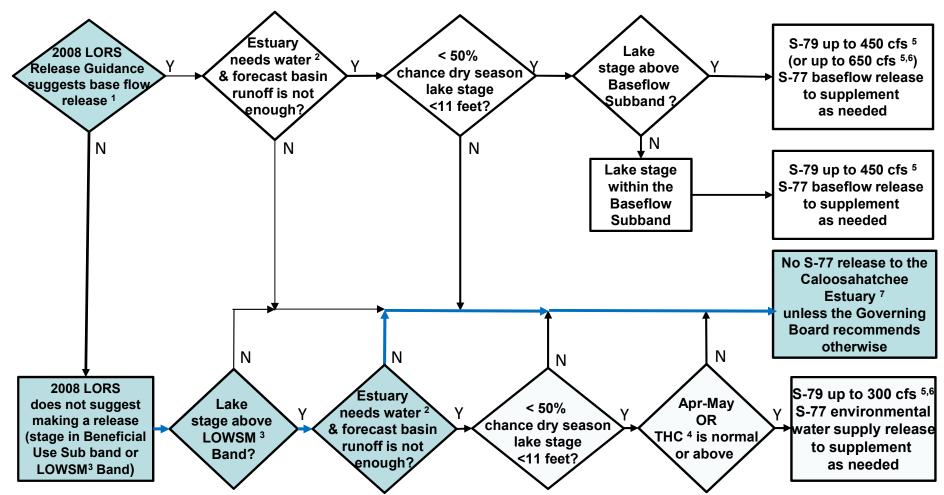


2008 LORS

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



Flowchart to Guide Recommendations for Lake Okeechobee Releases to the Caloosahatchee Estuary for 2008 LORS Baseflow & for Environmental Water Supply (revised 9-Aug-2012)



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.

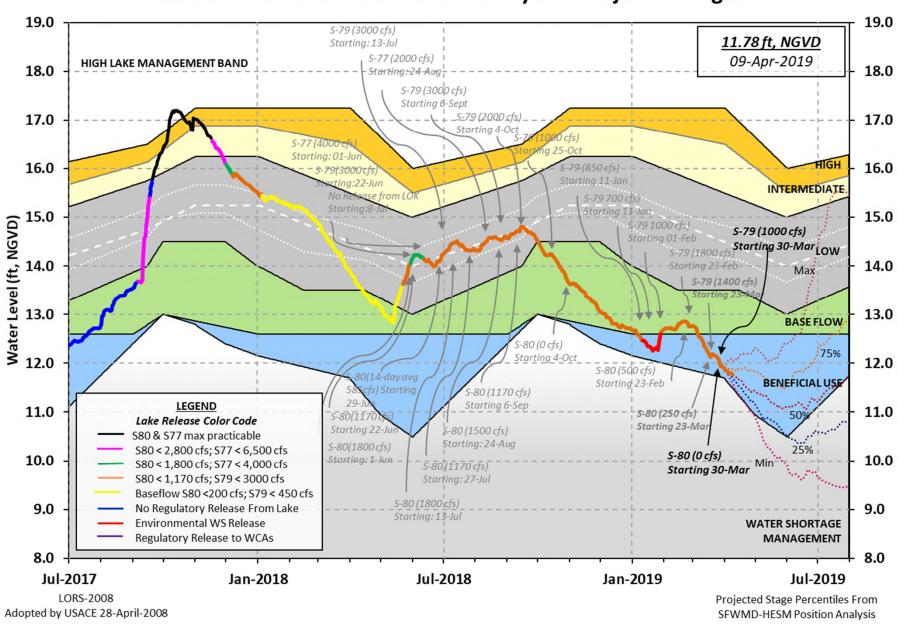
⁴Tributary Hydrologic Condition (THC) is based on classification of Lake Okeechobee Net Inflow and Palmer Index.

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



Data Ending 2400 hours 07 APR 2019

Okeechobee Lake Re	gulation			ear 2YRS Ago (D) (ft-NGVD)	
*Okeechobee Lake Bottom of High L Currently in Ope	ake Mngmt=		Water Sh		Eicial Elv) 53
Simulated Average Difference from .			12.90 -1.11		
07APR (1965-2007 Difference from			nge 14. -2.3		
Today Lake Okeec	hobee eleva	tion is deter	rmined fro	om the 4 Int & 4	1 Edge
++Navigation Dep	th (Based o	n 2007 Channe	el Conditi	on Survey) Rout	te 1 ÷
5.73'					
++Navigation Dep 3.93'	th (Based o	n 2008 Channe	el Conditi	on Survey) Rout	ce 2 ÷
Bridge Clearance	= 42 29'				
_					
4				- 17 7	
4 Interior and 4 E	dge Okeecho	bee Lake Aver	age (Avg-	Daily values):	
L001 L005 L0	06 LZ40	S4 S352	S308	S133	
11.80 11.93 11					
#G 1 ' ' O1	1. 1	D '1 T 1 T		11 00	
*Combination Okee	chobee Avg	-Daily Lake A	verage =	11.79 (*See Note)	
				(See Note)	
		51	254		2
	-			-	
		-		-	
				-	
			0	C5	0
	436	-			
	<i>(</i> 5) .				
		ΕΛ	107	077	1001
				5500	1417.—
				08 Discharge Da	ata
Okeechobee Outflow S135 Culverts S127 Culverts S129 Culverts S131 Culverts	0 S6 0 S1 0 S1 78 S1 0 S1 436 s (cfs): 0 S3 0 S3 0 S3 0 L8	5EX1 91 33 Pumps 27 Pumps 29 Pumps 31 Pumps 54 51 52 Canal Pt e To Missing	487 250 583 -94	Fisheating Cr S135 Pumps S2 Pumps S3 Pumps S4 Pumps C5 S77 S308	1021 -NR-

	Elevation	Elevation	Disch	#1	#2	#3	#4	#5	#6	#7
#8	(ft_mal)	(ft-msl)	(cfg)	(f+)	(f+)	(f+)	(f+)	(f+)	(f+)	(f+)
(ft)	(IC msi)	(IC msI)	(CIB)	(10)	(10)	(10)	(10)	(10)	(10)	(I C)
		(I) see n	ote at	bott	tom				
North East Sh	nore									
S133 Pumps S193:	: 12.68	11.80	0	0	0	0	0	0	(cfs))
S191:	16.66	11.76	0	0.0	0.0	0.0				
S135 Pumps		11.65	0	0		0	0		(cfs)	١
		11.05	-	-	-	U	U		(CIS)
S135 Culve	rts:		0	0.0	0.0					
North West Sh	nore									
S65E:	21.02	11.68	0	0.0	0.0	0.0	0.0	0.0	0.0	
	21.02	11.68	354							
S127 Pumps		11.85	0	0	0	0	0	0	(cfs)	\
-		11.05			U	U	U	U	(CIS))
S127 Culve	rt:		0	0.0						
S129 Pumps	: 12.67	11.98	0	0	0	0			(cfs))
S129 Culve			0	0.0					, ,	,
2127 04170			· ·	•••						
S131 Pumps	: 12.61	12.14	0	0	0				(cfs))
S131 Culve			0							
Fisheating	Creek									
nr Palmda		28.19	3							
		20.19	3							
nr Lakepo	ort									
C5:		-NR-	0	-NF	R - NI	R - NI	₹-			
South Shore										
S4 Pumps:	11.75	11.75	0	0	0	0			(cfs))
S169:	11.78	11.77	-25	4.9	4.9	4.9			,	
S310:	11.67	±±•,,	35	1.7	1.7	1.7				
93TO •	TT.0/		33							

```
S3 Pumps: 11.08 11.68 0 0 0 0 0 (cfs)

S354: 11.68 11.08 487 1.8 2.0

S2 Pumps: 10.30 -NR- 0 0 0 0 0 (cfs)

S351: -NR- 10.30 250 0.4 0.4 0.6

S352: _____ 11.15 583 2.6 2.5

C10A: -NR- 11.91 8.0 8.0 8.0 0.0 0.0

L8 Canal PT 11.75 -94
                        11.91
11.75 -94
  L8 Canal PT
                  S351 and S352 Temporary Pumps/S354 Spillway
              10.30
  S351:
                        -NR-
                                  250 -NR--NR--NR--NR--NR-
  S352:
              11.15
                                  583 -NR--NR--NR--NR-
              11.08 11.68
  S354:
                                 487 -NR--NR--NR--NR-
Caloosahatchee River (S77, S78, S79)
11 02 10.85 0.0 0.0
  S47D:
              10.90
                        10.90 4 6.5
  S77:
    Spillway and Sector Preferred Flow:
               11.91 10.78 1019 0.0 4.0 4.0 0.0
                                  2
   Flow Due to Lockages+:
  S78:
    Spillway and Sector Flow:
              10.70 2.86 1026 1.0 2.5 0.0 0.0
   Flow Due to Lockages+:
                                   21
  S79:
    Spillway and Sector Flow:
                2.96 1.14 1548 1.0 1.0 1.0 1.0 1.0 1.0 1.0
0.0
    Flow Due to Lockages+:
               flow from S77 66 (ppm) 65
                                  66%
    Percent of flow from S77
    Chloride
St. Lucie Canal (S308, S80)
  S308:
    Spillway and Sector Preferred Flow:
              11.68 21.21 -NR- 0.0 0.0 0.0 0.0
                                 -NR-
   Flow Due to Lockages+:
        18.98 11.39 0 0.0 0.0
  S153:
  S80:
    Spillway and Sector Flow:
    11.68 1.30 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

---- Wind ---Daily Precipitation Totals 1-Day 3-Day 7-Day Direction Speed (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: 0.00 0.00 -NR-S127 Pump Station: -NR-0.00 0.00 S129 Pump Station: -NR-0.00 0.00 0.00 0.00 S131 Pump Station: -NR-S77: 0.01 0.02 0.02 116 S78: 0.33 0.64 0.66 103 5 S79: 0.02 0.02 100 6 0.01 0.00 S4 Pump Station: 0.00 -NR-Clewiston Field Station: 0.00 0.00 -NR-0.00 S3 Pump Station: -NR-0.00 S2 Pump Station: -NR-0.00 0.00 S308: 0.27 0.27 0.38 94 3 109 S80: 2.48 4.73 4.79 1 Okeechobee Average 0.14 0.02 0.03 (Sites S78, S79 and S80 not included) ______ Oke Nexrad Basin Avg 0.00 0.24 0.57 ______

 Okeechobee Lake Elevations	07 APR 2019	11.79 Difference from
07APR19		
07APR19 - 1 Day =	06 APR 2019	11.80 0.01
07APR19 - 2 Days =	05 APR 2019	11.81 0.02
07APR19 - 3 Days =	04 APR 2019	11.82 0.03
07APR19 - 4 Days =	03 APR 2019	11.84 0.05
07APR19 - 5 Days =	02 APR 2019	11.85 0.06
07APR19 -6 Days =	01 APR 2019	11.86 0.07
07APR19 - 7 Days =	31 MAR 2019	11.90 0.11
07APR19 - 30 Days =	08 MAR 2019	12.53 0.74
07APR19 -1 Year =	07 APR 2018	13.62 1.83
07APR19 - 2 Year =	07 APR 2017	-NRNR-

Long Term Mean 30day Avearge ET for Lake Alfred (Inches) = 3.92

07APR19 -1 Day = 06 APR 2019 -1477 MON -NR- 07APR19 -1 Day = 6 APR 2019 -1252 SUN 161 07APR19 -2 Days = 05 APR 2019 -1198 SAT -83 07APR19 -3 Days = 04 APR 2019 -1332 FRI -1491 07APR19 -4 Days = 03 APR 2019 -1302 THU 1172 07APR19 -5 Days = 04 APR 2019 -275 TUE -2849 07APR19 -6 Days = 01 APR 2019 -275 TUE -2849 07APR19 -7 Days = 31 MAR 2019 -652 MON 179 07APR19 -7 Days = 38 MAR 2019 -964 SUN -868 07APR19 -9 Days = 29 MAR 2019 -1022 SAT 3075 07APR19 -10 Days = 28 MAR 2019 -1022 SAT 3075 07APR19 -10 Days = 28 MAR 2019 -1615 THU -14077 07APR19 -10 Days = 26 MAR 2019 -678 TUE -1068											
OTAPR19 -2 Days =		07APR19	r	Today	=	07	APR	2019	-1477	MON	-NR-
O'APR19		07APR19	-1	Day	=	06	APR	2019	-1252	SUN	161
O7APR19		07APR19	-2	Days	=	05	APR	2019	-1198	SAT	-83
OTAPR19 -5 Days =		07APR19	-3	Days	=	04	APR	2019	-1332	FRI	-1491
07APR19 -6 Days = 01 APR 2019 -275 TUE		07APR19	-4	Days	=	03	APR	2019	-1302	THU	1172
07APR19 -7 Days = 31 MAR 2019 -652 MON		07APR19	-5	Days	=	02	APR	2019	-871	WED	1397
07APR19 -8 Days = 30 MAR 2019 -964 SUN		07APR19	-6	Days	=	01	APR	2019	-275	TUE	-2849
07APR19 -9 Days = 29 MAR 2019 -1022 SAT 3075 07APR19 -10 Days = 28 MAR 2019 -1477 FRI -1954 07APR19 -11 Days = 27 MAR 2019 -1615 THU -14077 07APR19 -12 Days = 26 MAR 2019 -433 WED -2791 07APR19 -13 Days = 25 MAR 2019 -678 TUE -1068 -2791 07APR19 -13 Days = 25 MAR 2019 -678 TUE -1068 -2791 07APR19 -1068 -2791 07APR19 07AP		07APR19	-7	Days	=	31	MAR	2019	-652	MON	179
07APR19 -10 Days = 28 MAR 2019 -1477 FRI		07APR19	-8	Days	=	30	MAR	2019	-964	SUN	-868
07APR19 -11 Days = 27 MAR 2019 -1615 THU -14077 07APR19 -12 Days = 26 MAR 2019 -433 WED -2791 07APR19 -13 Days = 25 MAR 2019 -678 TUE -1068		07APR19	-9	Days	=	29	MAR	2019	-1022	SAT	3075
07APR19 -11 Days = 27 MAR 2019 -1615 THU -14077 07APR19 -12 Days = 26 MAR 2019 -433 WED -2791 07APR19 -13 Days = 25 MAR 2019 -678 TUE -1068		07APR19		_		28	MAR	2019	-1477	FRI	-1954
07APR19 -12 Days = 26 MAR 2019 -433 WED				_		27	MAR	2019	-1615	THU	-14077
O7APR19 -13 Days = 25 MAR 2019 -678 TUE		07APR19	-12	Days	=				-433	WED	-2791
S65E Average Flow over previous 14 days Avg-Daily Flow 07APR19				_							!
Average Flow over previous 14 days Avg-Daily Flow				2							
Average Flow over previous 14 days Avg-Daily Flow											
Average Flow over previous 14 days Avg-Daily Flow											
Average Flow over previous 14 days Avg-Daily Flow	_										
07APR19											
07APR19 -1 Day = 06 APR 2019 0 SUN 0 07APR19 -2 Days = 05 APR 2019 0 SAT 0 07APR19 -3 Days = 04 APR 2019 0 FRI 0 07APR19 -4 Days = 03 APR 2019 0 FRI 0 07APR19 -5 Days = 02 APR 2019 0 THU 0 07APR19 -5 Days = 02 APR 2019 0 THU 0 07APR19 -6 Days = 01 APR 2019 0 TUE 0 07APR19 -7 Days = 31 MAR 2019 0 MON 0 07APR19 -8 Days = 30 MAR 2019 0 SUN 0 07APR19 -9 Days = 29 MAR 2019 0 SUN 0 07APR19 -10 Days = 28 MAR 2019 6 FRI 0 07APR19 -11 Days = 27 MAR 2019 15 THU 0 07APR19 -12 Days = 26 MAR 2019 39 WED 0 07APR19 -13 Days = 25 MAR 2019 70 TUE 0 07APR19 -1 Day = 26 APR 2019 70 TUE 0 07APR19 -1 Day = 06 APR 2019 70 TUE 0 07APR19 -1 Day = 06 APR 2019 70 TUE 0 07APR19 -2 Days = 05 APR 2019 526 SAT 303 07APR19 -3 Days = 04 APR 2019 574 FRI 320 07APR19 -4 Days = 04 APR 2019 574 FRI 320 07APR19 -5 Days = 03 APR 2019 655 WED 355 07APR19 -6 Days = 01 APR 2019 687 TUE 326 07APR19 -7 Days = 31 MAR 2019 699 MON 390 07APR19 -7 Days = 31 MAR 2019 712 SUN 449 07APR19 -9 Days = 28 MAR 2019 712 SUN 449 07APR19 -9 Days = 28 MAR 2019 712 SUN 449 07APR19 -9 Days = 28 MAR 2019 712 SUN 449 07APR19 -9 Days = 28 MAR 2019 722 SAT 422 07APR19 -10 Days = 28 MAR 2019 724 FRI 432 07APR19 -10 Days = 28 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 724 FRI 432 07APR19 -12 Days = 26 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 724 FRI 432 07APR19 -12 Days = 26 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 201									previous	14 days	Avg-Daily Flow
07APR19 -2 Days = 05 APR 2019 0 SAT 0 07APR19 -3 Days = 04 APR 2019 0 FRI 0 07APR19 -4 Days = 03 APR 2019 0 THU 0 07APR19 -5 Days = 02 APR 2019 0 THU 0 07APR19 -5 Days = 02 APR 2019 0 WED 0 07APR19 -6 Days = 01 APR 2019 0 TUE 0 07APR19 -7 Days = 31 MAR 2019 0 MON 0 07APR19 -8 Days = 30 MAR 2019 0 SUN 0 07APR19 -9 Days = 29 MAR 2019 0 SUN 0 07APR19 -10 Days = 28 MAR 2019 6 FRI 0 07APR19 -11 Days = 27 MAR 2019 15 THU 0 07APR19 -12 Days = 25 MAR 2019 39 WED 0 07APR19 -13 Days = 25 MAR 2019 70 TUE 0 07APR19 -1 Day = 06 APR 2019 434 MON 354 07APR19 -1 Day = 06 APR 2019 477 SUN 306 07APR19 -2 Days = 05 APR 2019 526 SAT 303 07APR19 -3 Days = 04 APR 2019 574 FRI 320 07APR19 -4 Days = 03 APR 2019 655 THU 326 07APR19 -5 Days = 02 APR 2019 657 THU 326 07APR19 -6 Days = 01 APR 2019 667 TUE 336 07APR19 -7 Days = 31 MAR 2019 699 MON 390 07APR19 -8 Days = 31 MAR 2019 712 SUN 449 07APR19 -9 Days = 29 MAR 2019 72 SAT 422 07APR19 -10 Days = 28 MAR 2019 72 SAT 422 07APR19 -9 Days = 29 MAR 2019 72 SAT 422 07APR19 -10 Days = 28 MAR 2019 725 THU 528 07APR19 -10 Days = 28 MAR 2019 725 THU 528 07APR19 -10 Days = 28 MAR 2019 725 THU 528 07APR19 -10 Days = 27 MAR 2019 725 THU 528 07APR19 -12 Days = 27 MAR 2019 725 THU 528 07APR19 -12 Days = 27 MAR 2019 725 THU 528 07APR19 -12 Days = 26 MAR 2019 725 THU 528		07APR19		Today	<i>y</i> =	07	APR	2019	0	MON	0
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DATE 07 APR 06 APR 05 APR 04 APR 03 APR 01 APR 31 MAR 30 MAR 29 MAR 28 MAR 27 MAR 26 MAR 25 MAR	2019 2019 2019 2019 2019 2019 2019 2019	S-77 Discharge (ALL DAY) (AC-FT) 2030 1667 1678 1738 2368 3486 3548 2937 2078 1736 1916 2540 2832 3184	Below S-77 Discharge (ALL-DAY) (AC-FT) 1831 1366 1414 1330 1850 2599 2844 2524 1806 1566 1798 2461 3245 4162	S-78 Discharge (ALL DAY) (AC-FT) 2075 1529 925 922 931 3798 2564 2425 1520 1088 1280 1324 2260 3387	S-79 Discharge (ALL DAY) (AC-FT) 3105 2089 987 1374 1844 2223 3162 3148 1723 745 1596 2447 3128 4139	
		S-310	S-351	S-352	S-354	L8 Canal Pt
]	Discharge	Discharge	Discharge	Discharge	Discharge
		(ALL DAY)	(ALL DAY)	(ALL DAY)	(ALL DAY)	(ALL DAY)
DATE		(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)
07 APR		70	496	1156	750	-186
06 APR		58	149	1132	662	-162
05 APR 04 APR		169 222	0 638	964 1014	527 543	-116 -21
04 APR 03 APR		426	1729	1050	920	-21 -66
02 APR		177	1685	1024	712	-62
01 APR		291	1372	1047	758	-105
31 MAR		273	1235	1078	765	-90
30 MAR		279	1408	906	882	-115
29 MAR	2019	304	1434	1027	1041	-100
28 MAR	2019	340	1663	1322	1535	-0
27 MAR		451	2789	1414	2764	173
26 MAR		204	2614	1498	2842	87
25 MAR	2019	161	1724	1050	1801	-67
		S-308	Below S-308	3 S-80		
]	Discharge	Discharge	Discharge	<u>.</u>	
		(ALL DAY)	(ALL-DAY)	(ALL-DAY)		
DATE		(AC-FT)	(AC-FT)	(AC-FT)		
07 APR	2019	-NR-	-NR-	32		
06 APR		-380	-384	51		
05 APR		-67	122	43		
04 APR		-189	112	44		
03 APR		-374	-516	32		
02 APR 01 APR		-162 1527	272 -5	39 36		
31 MAR		1266	-240	55		
30 MAR		-227	254	73		
29 MAR		475	552	140		
28 MAR	2019	792	379	250		
27 MAR		559	487	424		
26 MAR		-115	542	483		
25 MAR	2019	-446	424	528		

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

(I) - Flows preceded 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.

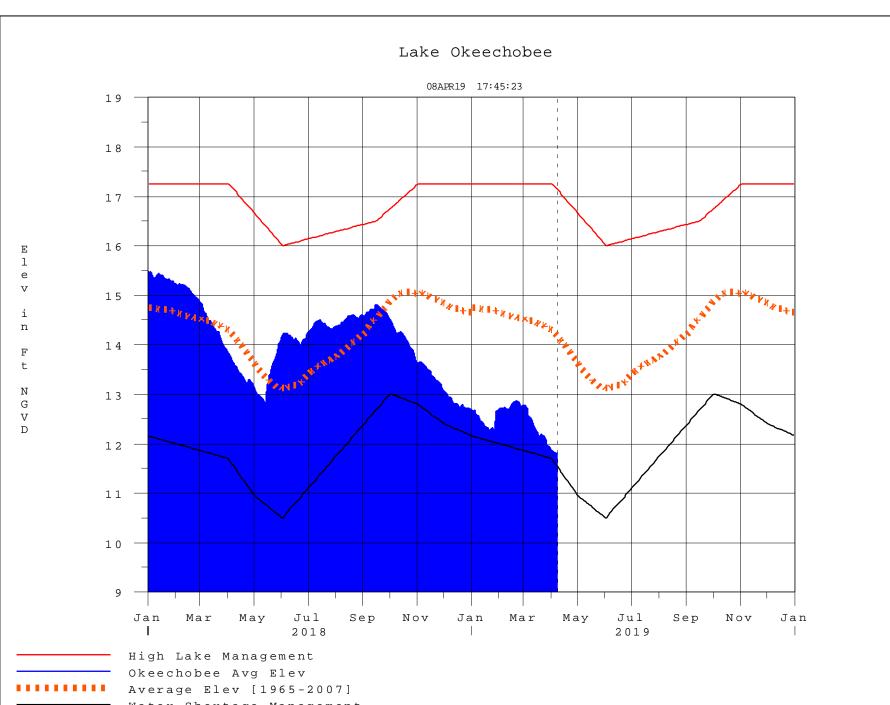
On 09 May 2011, Lake Okeechobee Elevation was switched to a 8 gage mix of interior and edge gages to obtain a more reliable representation of the lake level due to isolation of S135 from low lake levels.

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 08APR2019 @ 17:38 ** Preliminary Data - Subject to Revision



Water Shortage Management

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

• 6-15 Day Precipitation Outlook Categories

Table ?? in the Lake Okeechobee Water Control Plan

• Classification of Lake Okeechobee Net Inflow for Seasonal

Outlook

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	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
	20003	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