Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 12/09/2019 (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		roley's ethod ^{1*}	Em	FWMD npirical ethod ²	Sub-sampling of Neutral ENSO Years ³ Sub-sampling AMO Warm Neutral ENSO Years ⁴			Warm +
	Value (ft)	Condition	Value (ft)	Condition	Value (ft)	Condition	Value (ft)	Condition
Current (Nov- Apr)	N/A			Dry	0.41 Dry		1.61	Wet
Multi Seasonal (Nov- Oct)	N/A	N/A	3.02	Wet	3.14	Wet	5.47	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:

- **-1660 cfs** 14-day running average for Lake Okeechobee Net Inflow through 12/09/2019. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Dry.
- **-1.69** for Palmer Index on 12/07/2019. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Dry.

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

LORS2008 Classification Tables:

Lake Okeechobee Stage on 12/09/2019

Lake Okeechobee Stage: 12.91 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	17.25	
	High sub-band	16.88	
Operational Band	Intermediate sub-band	16.25	
	Low sub-band	14.35	
Base Flow sub-ba	nd	12.70	← 12.91
Beneficial Use sub	o-band	12.39	
Water Shortage M	lanagement Band		

Part C of LORS2008: Discharge to WCA's

NO releases to the WCAs.

Part D of LORS2008: Discharge to Tidewater

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

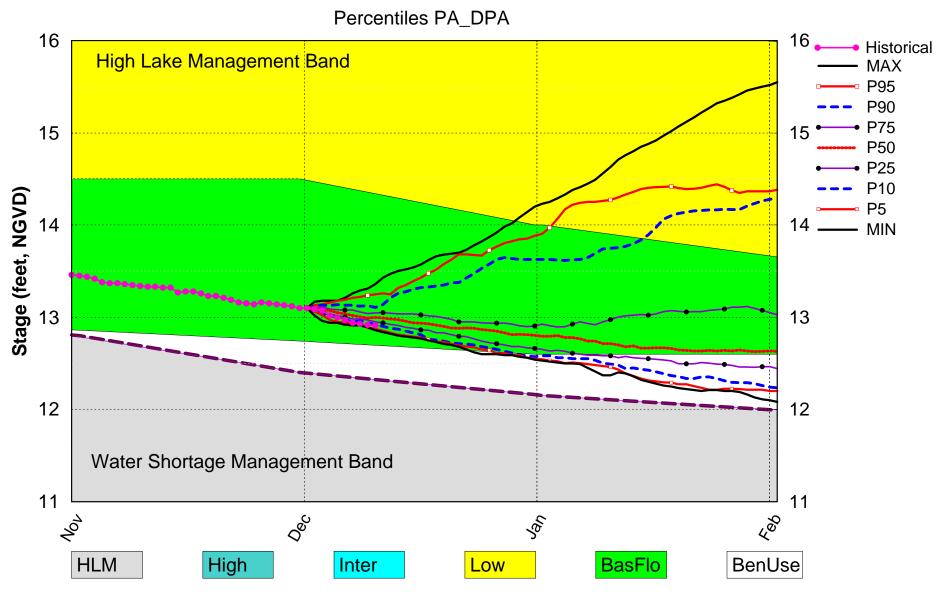
Adaptive Protocol's Release Guidance: Caloosahatchee Estuary

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

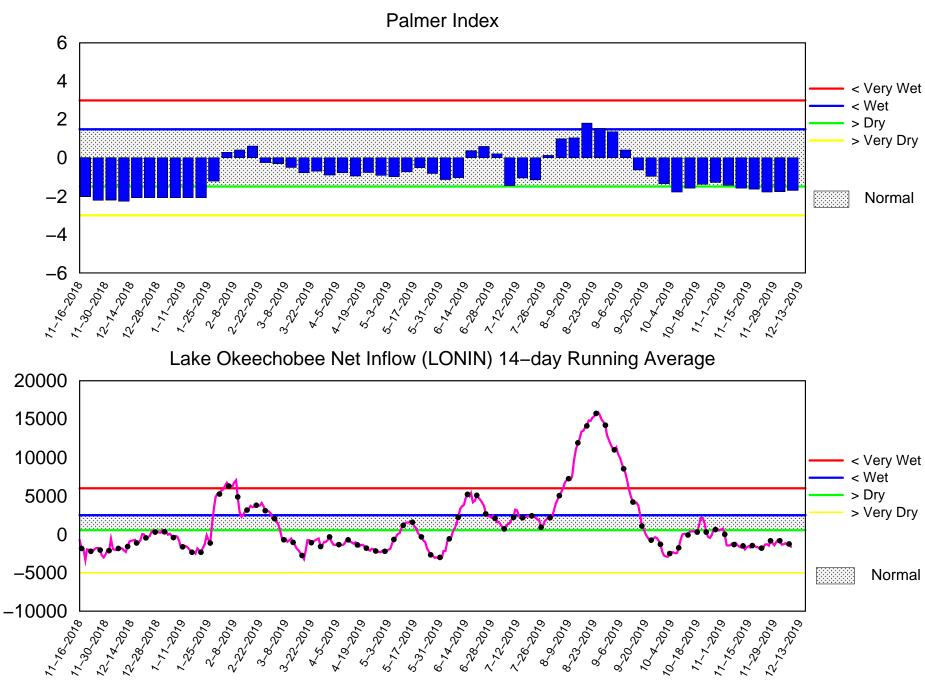
Back to U.S. Army Corps of Engineers LORSS Homepage

Lake Okeechobee SFWMM Dec 2019 Position Analysis



(See assumptions on the Position Analysis Results website)

Tributary Basin Condition Indicators as of December 9 2019



Flow (cfs)

Mon Dec 09 13:25:43 EST 2019

LORS2008 Implementation on 12/09/2019 (ENSO Neutral Condition):

Status for week ending 12/09/2019:

District wide, Raindar rainfall was 0.009 inches for the week. Lake stage on 12/09/2019 was 12.92 ft, NGVD, down 0.17 ft from last week. The updated December 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 **Dry.** The PDI indicates Dry conditions and the LONIN is Dry. The THC classification is based on the wetter of the two indices.

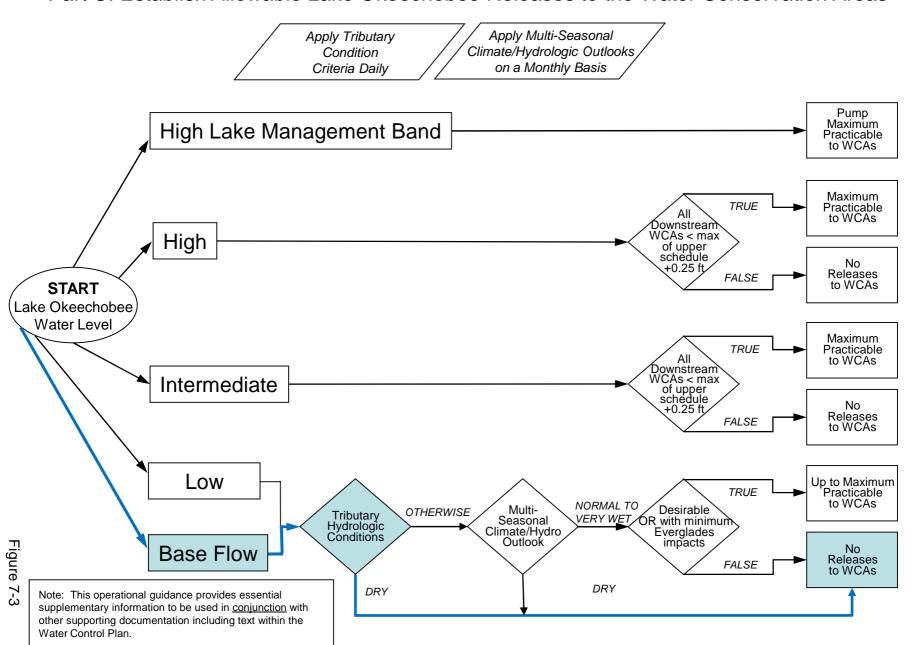
Water Supply Risk Evaluation

Area	Indicator	Value	Color Coded Scoring Scheme
	Projected LOK Stage for the next two months	Base-Flow Sub-Band	M
	Palmer Index for LOK Tributary Conditions	-1.69 (Dry)	M
	CDC Precipitation Outlook	1 month: Below Normal	M
LOK	CPC Precipitation Outlook	3 months: Normal	L
	LOK Seasonal Net Inflow Outlook ENSO Forecast (positive)	0.41 ft (Dry)	M
	LOK Multi-Seasonal Net Inflow Outlook	3.14 ft	M
	ENSO Forecast (positive)	Base-Flow Sub-Band -1.69 (Dry) 1 month: Below Normal 3 months: Normal 0.41 ft (Dry) 3.14 ft (Normal) Above Line 1 (16.55 ft) Above Line 1 (12.26ft)	
	WCA 1: 3 Station Average (Site 1-7, Site 1-8T & Site 1-9)	Above Line 1 (16.55 ft)	L
WCAs	WCA 2A: Site 2-17 HW	Above Line 1 (12.26ft)	L
	WCA-3A: 3 Station Average (Site 63, 64, and 65)	Value Scoring Scor	L
	Service Area 1		L
LEC	Service Area 2		L
	Service Area 3		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.

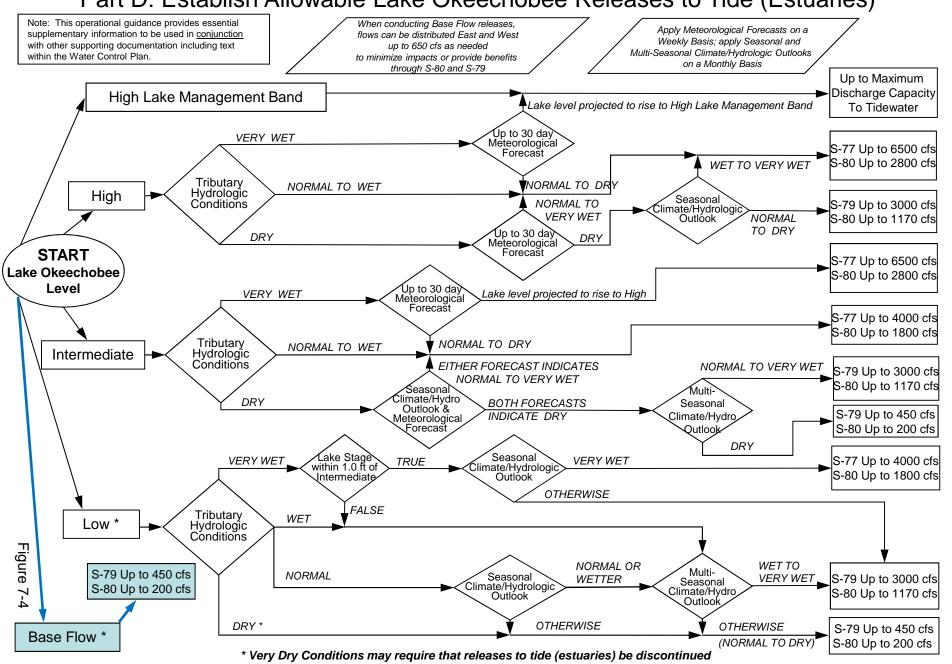
2008 LORS

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

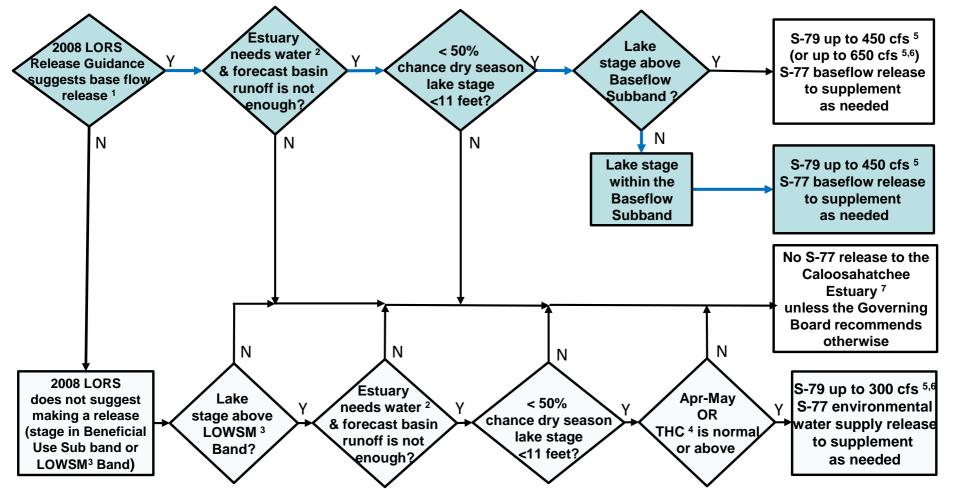


2008 LORS

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.

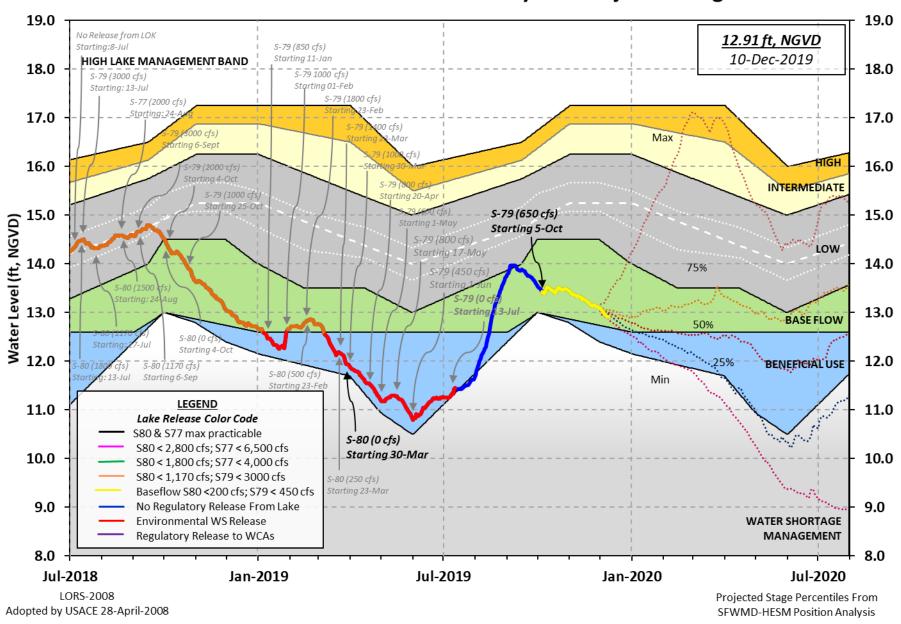
⁴Tributary Hydrologic Condition (THC) is based on classification of Lake Okeechobee Net Inflow and Palmer Index.

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



oke Page 1 of 6

Data Ending 2400 hours 08 DEC 2019

```
Okeechobee Lake Regulation
                                Elevation
                                           Last Year 2YRS Ago
                                (ft-NGVD)
                                            (ft-NGVD)
                                                       (ft-NGVD)
  *Okeechobee Lake Elevation
                                   12.92
                                               12.93
                                                         -NR- (Official Elv)
 Bottom of High Lake Mngmt= 17.25 Top of Water Short Mngmt= 12.34
 Currently in Operational Management Band
 Simulated Average LORS2008 [1965-2000]
                                            13.69
 Difference from Average LORS2008
                                           -0.77
 08DEC (1965-2007) Period of Record Average
                                                14.76
 Difference from POR Average
                                               -1.84
 Today Lake Okeechobee elevation is determined from the 4 Int & 4 Edge stations
 ++Navigation Depth (Based on 2007 Channel Condition Survey) Route 1 ÷ 6.86'
 ++Navigation Depth (Based on 2008 Channel Condition Survey) Route 2 ÷ 5.06'
 Bridge Clearance = 50.70'
4 Interior and 4 Edge Okeechobee Lake Average (Avg-Daily values):
 L001
         L005
                L006
                      LZ40
                              S4
                                     S352
                                            S308
                                                   S133
 12.88 12.93 12.93 12.90 12.95 13.01
                                           12.89 12.84
 *Combination Okeechobee Avg-Daily Lake Average = 12.92
                                                   (*See Note)
Okeechobee Inflows (cfs):
 S65E
                  339
                           S65EX1
                                                    Fisheating Cr
 S154
                   0
                           S191
                                             0
                                                    S135 Pumps
 S84
                   0
                           S133 Pumps
                                            0
                                                    S2 Pumps
                                                                      0
 S84X
                   0
                           S127 Pumps
                                            0
                                                    S3 Pumps
                                                                      0
 S71
                   0
                           S129 Pumps
                                            0
                                                    S4 Pumps
                                                                      0
                   0
                           S131 Pumps
                                                                      0
 S72
                                                    C5
Total Inflows:
                  341
Okeechobee Outflows (cfs):
                          S354
                                           361
                                                    S77
                                                                    660
 S135 Culverts 0
 S127 Culverts
                          S351
                                           894
                                                    S308
                                                                    159
 S129 Culverts
                           S352
                                           336
 S131 Culverts
                  0
                           L8 Canal Pt
                                           164
                 2573
Total Outflows:
****S77 structure flow is being used to compute Total Outflow.
****S308 structure flow is being used to compute Total Outflow.
Okeechobee Pan Evaporation (inches):
                 0.18
                          S308
                                          0.08
 Average Pan Evap x 0.75 Pan Coefficient = 0.10" = 0.01'
Lake Average Precipitation using NEXRAD: = -NR-" = -NR-"
```

oke Page 2 of 6

Evaporation - Precipitation: = -NR-" = -NR-"

Evaporation - Precipitation using Lake Area of 730 square miles is equal to -NR
Lake Okeechobee (Change in Storage) Flow is -1966 cfs or -3900 AC-FT

	Headwater	Tailwater				- Gat	- Pos	ition	ıs		
		Elevation				#3	#4	#5	#6	#7	#8
		(ft-msl)				_		_			
	([) see r				(/	(/	(/	(/	(/
North East S	hore	\-	,								
S133 Pumps		12.82	0	0	0	0	0	0	(cfs	5)	
S193:									`	,	
S191:	18.61	12.81	0	-NR-	0.0	0.0					
S135 Pumps	: 12.69	12.77	0	0	0	0	0		(cfs	5)	
S135 Culve	rts:		0	0.0	0.0						
Nambh Haat C	h										
North West S		12.60	220	ο -	۰.	0 0	0 0	0 0	۰		
S65E:	21.04	12.68	339	0.5	0.5	0.0	0.0	0.0	0.5		
S65EX1:	21.04	12.68	0	0	0	0	0	0	/	- \	
S127 Pumps S127 Culve		12.85	0	0	0	0	0	0	(cfs)	
S12/ Culve	rt:		0	0.0							
S129 Pumps	: 13.04	12.92	0	0	0	0			(cfs	5)	
S129 Culve			0	0.0					`	,	
S131 Pumps	: 12.85	12.94	0	0	0				(cfs	5)	
S131 Culve	rt:		0								
Fisheating											
nr Palmd	ale	28.13	2								
nr Lakep	ort										
nr Lakep C5:	ort 	-NR-	0	-NR	NR	NF	{ -				
C5:	ort ———	-NR -	0	-NR	NR	NF	? -				
C5: South Shore			-			NF	? –		(cfs	s)	
C5:	11.57	-NR- 12.96 11.59	0 0 0	0	NR 0 0.0		₹-		(cfs	s)	
C5: South Shore S4 Pumps:		12.96	0	0	0	0	{ -		(cfs	5)	
C5: South Shore S4 Pumps: S169:	11.57 12.98	12.96	0	0	0	0	₹-				
C5: South Shore S4 Pumps: S169: S310:	11.57 12.98 12.87	12.96 11.59	0 0 36	0 0.0	0 0.0 0	0 0.0	₹-		(cfs		
C5: South Shore S4 Pumps: S169: S310: S3 Pumps:	11.57 12.98 12.87 10.88	12.96 11.59 12.94	0 0 36 0	0.0 0.0	0 0.0 0	0 0.0	₹-			5)	
C5: South Shore S4 Pumps: S169: S310: S3 Pumps: S354:	11.57 12.98 12.87 10.88 12.94	12.96 11.59 12.94 10.88	0 0 36 0 361	0 0.0 0 0.8	0 0.0 0 0.9 0	0 0.0 0			(cfs	5)	
C5: South Shore S4 Pumps: S169: S310: S3 Pumps: S354: S2 Pumps:	11.57 12.98 12.87 10.88 12.94 10.87	12.96 11.59 12.94 10.88 -NR-	0 0 36 0 361	0 0.0 0 0.8 0	0 0.0 0 0.9 0	0 0.0 0			(cfs	5)	
C5: South Shore S4 Pumps: S169: S310: S3 Pumps: S354: S2 Pumps: S351:	11.57 12.98 12.87 10.88 12.94 10.87 -NR-	12.96 11.59 12.94 10.88 -NR- 10.87	0 0 36 0 361 0 894	0 0.0 0 0.8 0	0 0.0 0 0.9 0	0 0.0 0 0 1.8	0	0.0	(cfs	5)	
C5: South Shore S4 Pumps: S169: S310: S3 Pumps: S354: S2 Pumps: S351: S352:	11.57 12.98 12.87 10.88 12.94 10.87 -NR- 13.00 -NR-	12.96 11.59 12.94 10.88 -NR- 10.87 10.93	0 0 36 0 361 0 894	0 0.0 0 0.8 0 1.2 0.7	0 0.0 0 0.9 0 1.5	0 0.0 0 0 1.8	0).Ø	(cfs	5)	
C5: South Shore S4 Pumps: S169: S310: S3 Pumps: S354: S2 Pumps: S351: S352: C10A:	11.57 12.98 12.87 10.88 12.94 10.87 -NR- 13.00 -NR-	12.96 11.59 12.94 10.88 -NR- 10.87 10.93 13.04	0 0 36 0 361 0 894 336	0 0.0 0 0.8 0 1.2 0.7	0 0.0 0 0.9 0 1.5	0 0.0 0 0 1.8	0	0.0	(cfs	5)	
C5: South Shore S4 Pumps: S169: S310: S3 Pumps: S354: S2 Pumps: S351: S352: C10A:	11.57 12.98 12.87 10.88 12.94 10.87 -NR- 13.00 -NR-	12.96 11.59 12.94 10.88 -NR- 10.87 10.93 13.04 12.87	0 0 36 0 361 0 894 336	0 0.0 0.8 0 1.2 0.7 8.0	0 0.0 0.9 0 1.5 0.5 8.0	0 0.0 0 1.8 8.	0		(cfs	5)	
C5: South Shore S4 Pumps: S169: S310: S3 Pumps: S354: S2 Pumps: S351: S352: C10A:	11.57 12.98 12.87 10.88 12.94 10.87 -NR- 13.00 -NR-	12.96 11.59 12.94 10.88 -NR- 10.87 10.93 13.04	0 0 36 0 361 0 894 336	0 0.0 0.8 0 1.2 0.7 8.0	0 0.0 0.9 0 1.5 0.5 8.0	0 0.0 0 1.8 8.	0		(cfs	5)	
C5: South Shore S4 Pumps: S169: S310: S3 Pumps: S354: S2 Pumps: S351: S352: C10A:	11.57 12.98 12.87 10.88 12.94 10.87 -NR- 13.00 -NR-	12.96 11.59 12.94 10.88 -NR- 10.87 10.93 13.04 12.87	0 0 36 0 361 0 894 336	0 0.0 0.8 0 1.2 0.7 8.0	0 0.0 0.9 0 1.5 0.5 8.0	0 0.0 0 1.8 8.	0 0 0	ay	(cfs	5)	
C5: South Shore S4 Pumps: S169: S310: S3 Pumps: S354: S2 Pumps: S351: S352: C10A: L8 Canal P	11.57 12.98 12.87 10.88 12.94 10.87 -NR- 13.00 -NR-	12.96 11.59 12.94 10.88 -NR- 10.87 10.93 13.04 12.87	0 0 36 0 361 0 894 336 164	0 0.0 0.8 0 1.2 0.7 8.0	0 0.0 0.9 0.5 8.0 ps/S3	0 0.0 0 1.8 8.	0 0 0 0illwa	ay	(cfs	5)	
C5: South Shore S4 Pumps: S169: S310: S3 Pumps: S354: S2 Pumps: S351: S352: C10A: L8 Canal P	11.57 12.98 12.87 10.88 12.94 10.87 -NR- 13.00 -NR- T	12.96 11.59 12.94 10.88 -NR- 10.87 10.93 13.04 12.87	0 0 36 0 361 0 894 336 164	0 0.0 0.8 0 1.2 0.7 8.0	0 0.0 0.9 0 1.5 0.5 8.0 ps/S3	0.0 0.0 0 1.8 8. 54 Sp	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ay	(cfs	5)	
C5: South Shore S4 Pumps: S169: S310: S3 Pumps: S354: S2 Pumps: S351: S352: C10A: L8 Canal P	11.57 12.98 12.87 10.88 12.94 10.87 -NR- 13.00 -NR- T	12.96 11.59 12.94 10.88 -NR- 10.87 10.93 13.04 12.87 1 and \$352	0 0 36 0 361 0 894 336 164 Tempora	0 0.0 0.8 0 1.2 0.7 8.0 ary Pum -NRN	0 0.0 0.9 0 1.5 0.5 8.0 ps/S3	0.0 0.0 0 1.8 8. 54 Sp	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ay	(cfs	5)	
C5: South Shore S4 Pumps: S169: S310: S3 Pumps: S354: S2 Pumps: S351: S352: C10A: L8 Canal P	11.57 12.98 12.87 10.88 12.94 10.87 -NR- 13.00 -NR- T	12.96 11.59 12.94 10.88 -NR- 10.87 10.93 13.04 12.87 1 and S352 -NR- 13.00 12.94	0 0 36 0 361 0 894 336 164 Tempora 894 336 361	0 0.0 0.8 0 1.2 0.7 8.0 ary Pum -NRN	0 0.0 0.9 0 1.5 0.5 8.0 ps/S3	0.0 0.0 0 1.8 8. 54 Sp	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ay	(cfs	5)	
C5: South Shore S4 Pumps: S169: S310: S3 Pumps: S354: S2 Pumps: S351: S352: C10A: L8 Canal P S351: S352: S354: Caloosahatch	11.57 12.98 12.87 10.88 12.94 10.87 -NR- 13.00 -NR- T S35 10.87 10.93 10.88	12.96 11.59 12.94 10.88 -NR- 10.87 10.93 13.04 12.87 1 and S352 -NR- 13.00 12.94	0 0 36 0 361 0 894 336 164 Tempora 894 336 361	0 0.0 0.8 0 1.2 0.7 8.0 -NRN -NRN	0 0.0 0.9 0.5 8.0 ps/S3 RNR RNR	0.0 0.0 0 1.8 8. 54 Sp	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ay	(cfs	5)	
C5: South Shore S4 Pumps: S169: S310: S3 Pumps: S354: S2 Pumps: S351: S352: C10A: L8 Canal P	11.57 12.98 12.87 10.88 12.94 10.87 -NR- 13.00 -NR- T	12.96 11.59 12.94 10.88 -NR- 10.87 10.93 13.04 12.87 1 and S352 -NR- 13.00 12.94	0 0 36 0 361 0 894 336 164 Tempora 894 336 361	0 0.0 0.8 0 1.2 0.7 8.0 -NRN -NRN	0 0.0 0.9 0 1.5 0.5 8.0 ps/S3	0.0 0.0 0 1.8 8. 54 Sp	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ay	(cfs	5)	

oke Page 3 of 6

```
S77:
   Spillway and Sector Preferred Flow:
              12.74
                       11.00
                                657 0.0 0.0 3.5 0.5
                                   3
   Flow Due to Lockages+:
 S78:
   Spillway and Sector Flow:
                                        0.0 2.5 0.0 0.0
              10.95
                      2.82
                                 653
   Flow Due to Lockages+:
                                  18
 S79:
   Spillway and Sector Flow:
                                1052
               2.97
                       1.88
                                        1.0 1.0 1.0 1.0 0.0 0.0 0.0 0.0
   Flow Due to Lockages+:
                                 10
   Percent of flow from S77
                                  62%
   Chloride
                       (ppm)
St. Lucie Canal (S308, S80)
 S308:
   Spillway and Sector Preferred Flow:
              12.89
                        12.80
                                 159 0.0 0.0 0.0 0.0
   Flow Due to Lockages+:
                                   0
 S153:
                        12.60
                                   0
              19.00
                                        0.0 0.0
 S80:
   Spillway and Sector Flow:
              12.86
                                   0
                                        0.0 0.0 0.0 0.0 0.0 0.0 0.0
                        0.88
   Flow Due to Lockages+:
                                  19
   Percent of flow from S308
                              NA %
                              (mg/ml) ****
 Steele Point Top Salinity
 Steele Point Bottom Salinity (mg/ml) ****
                             (mg/ml) ****
 Speedy Point Top Salinity
 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

				Wi	nd
Daily Precipitation Totals	1-Day	3-Day	7-Day	Directio	n 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:	- 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:	- NR -	0.00	0.00	28	1
S78:	0.00	0.00	0.00	75	1
S79:	0.00	0.00	0.08	102	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:	0.00	0.00	0.01	64	1
S80:	0.00	0.00	0.00	62	1
Okeechobee Average	0.00	0.00	0.00		

oke Page 4 of 6

(Sites S7	8, S79	and S80	not	included)
-----------	--------	---------	-----	-----------

Oke Nexrad Basin Avg	-NR-	0.00	0.00

Okeechobee Lake Elevations	08 DEC 2019	12.92 Differe	ence from 08DEC19
08DEC19 -1 Day =	07 DEC 2019	12.93	0.01
08DEC19 -2 Days =	06 DEC 2019	12.94	0.02
08DEC19 -3 Days =	05 DEC 2019	12.97	0.05
08DEC19 -4 Days =	04 DEC 2019	13.00	0.08
08DEC19 -5 Days =	03 DEC 2019	13.02	0.10
08DEC19 -6 Days =	02 DEC 2019	13.07	0.15
08DEC19 -7 Days =	01 DEC 2019	13.09	0.17
08DEC19 -30 Days =	08 NOV 2019	13.34	0.42
08DEC19 -1 Year =	08 DEC 2018	12.93	0.01
08DEC19 -2 Year =	08 DEC 2017	-NR-	-NR -

Long Term Mean 30day Avearge ET for Lake Alfred (Inches) = 2.25

		L	ake (Okeed	chobee	Net Inflo	ow (LONIN)	
		Average	Flo	N OVE	er the	previous	14 days	Avg-Daily Flow
08DEC19	Today	y =	98	DEC	2019	-1543	MON	604
08DEC19	-1 Day	=	07	DEC	2019	-1082	SUN	896
08DEC19	-2 Days	s =	06	DEC	2019	-1206	SAT	-2846
08DEC19	-3 Day	s =	05	DEC	2019	-989	FRI	-2773
08DEC19	-4 Days	s =	04	DEC	2019	-1134	THU	-1454
08DEC19	-5 Day	s =	03	DEC	2019	-1198	WED	-8704
08DEC19	-6 Day	s =	02	DEC	2019	-608	TUE	-2330
08DEC19	-7 Day	s =	01	DEC	2019	-301	MON	-272
08DEC19	-8 Day	s =	30	NOV	2019	-771	SUN	1895
08DEC19	-9 Day	s =	29	NOV	2019	-1275	SAT	-NR-
08DEC19	-10 Day	s =	28	NOV	2019	-1146	FRI	-NR-
08DEC19	-11 Day	s =	27	NOV	2019	-862	THU	-1273
08DEC19	-12 Day	s =	26	NOV	2019	-1461	WED	-1160
08DEC19	-13 Day	s =	25	NOV	2019	-1319	TUE	-1100

			S65E			
		Average	Flow over	previous	14 days	Avg-Daily Flow
08DEC19	Today=	98	DEC 2019	316	MON	398
08DEC19 -1	Day =	07	DEC 2019	313	SUN	297
08DEC19 -2	Days =	06	DEC 2019	325	SAT	279
08DEC19 -3	Days =	05	DEC 2019	324	FRI	359
08DEC19 -4	Days =	04	DEC 2019	310	THU	261
08DEC19 -5	Days =	03	DEC 2019	305	WED	217
08DEC19 -6	Days =	02	DEC 2019	321	TUE	384
08DEC19 -7	Days =	01	DEC 2019	327	MON	349
08DEC19 -8	Days =	30	NOV 2019	320	SUN	243
08DEC19 -9	Days =	29	NOV 2019	328	SAT	337
08DEC19 -10	Days =	28	NOV 2019	330	FRI	342
08DEC19 -11	Days =	27	NOV 2019	323	THU	419
08DEC19 -12	Days =	26	NOV 2019	318	WED	228
08DEC19 -13	Days =	25	NOV 2019	325	TUE	315
	-					

		S65EX1			
		Average Flow over	previous 1	4 days	Avg-Daily Flow
08DEC19	Today=	08 DEC 2019	49	MON	0
08DEC19	-1 Day =	07 DEC 2019	49	SUN	78
08DEC19	-2 Days =	06 DEC 2019	43	SAT	113

oke Page 5 of 6

08DEC19	-3	Days	=	05	DEC	2019	42	FRI		0
08DEC19	-4	Days	=	04	DEC	2019	54	THU		0
08DEC19	-5	Days	=	03	DEC	2019	57	WED		95
08DEC19	-6	Days	=	02	DEC	2019	51	TUE		0
08DEC19	-7	Days	=	01	DEC	2019	51	MON		90
08DEC19	-8	Days	=	30	NOV	2019	44	SUN		9
08DEC19	-9	Days	=	29	NOV	2019	44	SAT		86
08DEC19	-10	Days	=	28	NOV	2019	37	FRI		0
08DEC19	-11	Days	=	27	NOV	2019	37	THU		35
08DEC19	-12	Days	=	26	NOV	2019	35	WED		60
08DEC19	-13	Days	=	25	NOV	2019	31	TUE	1	19

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)	
08 DEC 2019	1309	1299	1352	2102	
07 DEC 2019	9 1467	1590	861	1557	
06 DEC 2019	9 1812	1976	722	608	
05 DEC 2019	9 1921	2021	1133	739	
04 DEC 2019	9 1885	2042	1494	991	
03 DEC 2019	9 1876	1802	1500	1595	
02 DEC 2019	9 1691	1823	1633	1967	
01 DEC 2019	1763	2044	1650	2075	
30 NOV 2019	9 1484	1704	1177	1811	
29 NOV 2019		614	318	436	
28 NOV 2019	519	627	307	388	
27 NOV 2019	631	945	562	815	
26 NOV 2019	749	968	978	1475	
25 NOV 2019	1293	1326	1165	2250	
	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)
08 DEC 2019		1772	666	488	325
07 DEC 2019		1925	869	708	281
06 DEC 2019		2015	1021	476	300
05 DEC 2019		1817	983	577	299
04 DEC 2019		1306	697	607	401
03 DEC 2019		644	164	529	293
02 DEC 2019		878	419	295	382
01 DEC 2019		989	189	301	305
30 NOV 2019		888	387	365	284
29 NOV 2019		363	143	151	-NR -
28 NOV 2019		440	117	147	-NR -
27 NOV 2019		558	34	244	169
26 NOV 2019		392	91	264	268
25 NOV 2019	9 3	264	44	50	306
	S-308	Below S-30	8 S-80		
	Discharge	Discharge		-Δ	
	(ALL DAY)	(ALL-DAY)			
DATE	(AC-FT)	(AC-FT)	(AC-FT)		
08 DEC 2019		-30	37		
07 DEC 2019		-132	48		
06 DEC 2019		-55	44		
05 DEC 2019		171	51		
04 DEC 2019		49	31		
03 DEC 2019		-200	32		
		_50	J <u>-</u>		

oke Page 6 of 6

02	DEC	2019	53	351	29
01	DEC	2019	38	167	49
30	NOV	2019	102	118	55
29	NOV	2019	70	103	48
28	NOV	2019	89	-5	18
27	NOV	2019	104	23	38
26	NOV	2019	3	-170	51
25	NOV	2019	151	70	30

*** 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 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/

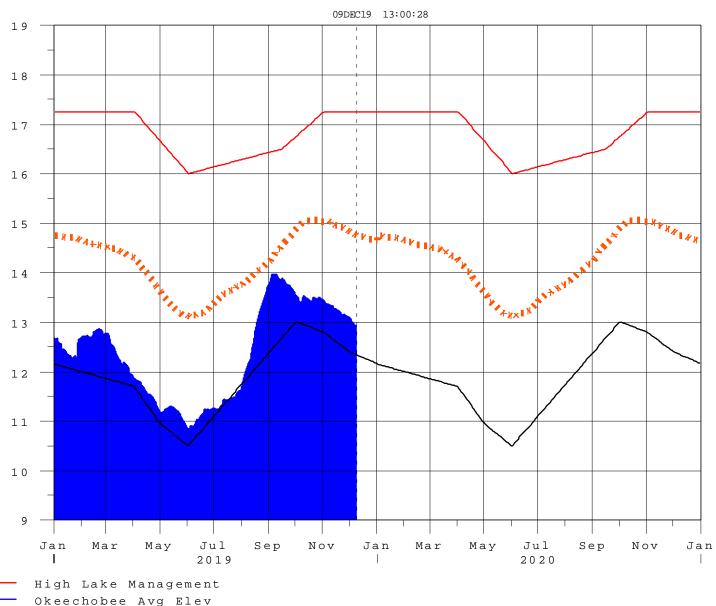
\$ For information regarding Lake Okeechobee Service Area water restrictions
please refer to www.sfwmd.gov

Report Generated 09DEC2019 @ 23:39 ** Preliminary Data - Subject to Revision **

^{*} 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.





Okeechobee Avg Elev
Average Elev [1965-2007]
Water Shortage Management

E 1 e

i n

F t N

G V D

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	
	2000	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 Net Inflow	
[million acre-feet]	[feet]		
		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