# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 8/3/2015 (Developing El Nino Condition)

### **Lake Okeechobee Net Inflow Outlook:**

The Lake Okeechobee Net Inflow Outlook has been computed using 4 methods: Croley's method<sup>1</sup>, the SFWMD empirical method<sup>2</sup>, a sub-sampling of El Nino years<sup>3</sup> and a sub-sampling of cold years of the Atlantic Multi-decadal Oscillation (AMO) in combination with ENSO El Nino years<sup>4</sup>. 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		oley's ethod <sup>1*</sup>	Em	FWMD npirical ethod <sup>2</sup>	ENS	ampling of D El Nino ears <sup>3</sup>	AMO ENSO	ampling of Warm + D El Nino ears <sup>4</sup>
	Value (ft)	Condition	Value (ft)	Condition	Value (ft)	Condition	Value (ft)	Condition
Current (Aug- Jan)	N/A	N/A	2.31	Very Wet	2.65	Very Wet	1.64	Wet
Multi Seasonal (Aug- Apr)	N/A	N/A	2.54	Wet	3.59	Wet	2.30	Normal

<sup>\*</sup>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.

#### **Tributary Hydrologic Conditions Graph:**

**3810 cfs** 14-day running average for Lake Okeechobee Net Inflow through 8/3/2015. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Wet.

-1.31 for Palmer Index on 8/2/2015.

According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Normal.

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

# **LORS2008 Classification Tables:**

#### Lake Okeechobee Stage on 8/3/2015

Lake Okeechobee Stage: 12.25 feet

**USACE** Report for Lake Okeechobee

Lake Okeechobee Stage Hydrograph

	ee Management /Band	Bottom Elevation (feet, NGVD)	Current Lake Stage
Zone	Dariu	(leet, NGVD)	Lake Stage
High Lake Manage	ement Band	16.29	
Operational Band	High sub-band	15.87	
	Intermediate sub-band	15.44	
	Low sub-band	13.59	
Base Flow sub-ba	nd	12.60	
Beneficial Use sub	o-band	11.79	← 12.25
Water Shortage M	lanagement Band		

#### Part C of LORS2008: Discharge to WCA's

Release Guidance Flow Chart Outcome: No Releases to the WCAs

# Part D of LORS2008: Discharge to Tidewater

Release Guidance Flow Chart Outcome: No Releases to the Estuaries

### **Technical Input Summaries from:**

- Lake Okeechobee Division
- Coastal Ecosystems
- Everglades Ecosystems Division
- Water Supply Department
- Water Resource Management Release Recommendation
- Kissimmee Watershed Environmental Conditions
- Operations Department

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#### LORS2008 Implementation on 8/3/2015 (ENSO Neutral Condition):

#### **Water Supply Department Technical Input**

#### **Water Supply Outlook:**

District wide, Raindar rainfall 1.46 inches for the week ending 8/3/2015. Lake stage on 8/3/2015 is 12.25 ft, up 0.12 ft from last week.

The updated July 2015 SFWMM Dynamic Position Analysis <u>percentile graph</u> and <u>tracking chart</u> for Lake Okeechobee show that the lake stage is in the Beneficial Use Operational Sub-Band.

The LORS2008 tributary <u>indices</u> are classified as **Normal**. The PDSI indicates normal condition and the LONIN is Wet. The classification is based on the wetter of the two.

**Water Supply Risk Evaluation** 

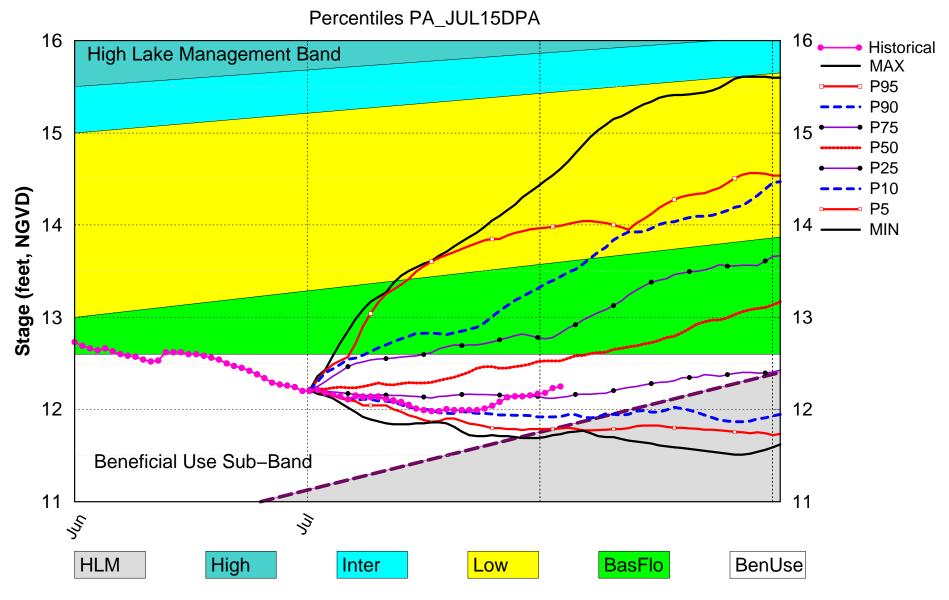
Area	Indicator	Value	Color Coded Scoring Scheme
	Projected LOK Stage for the next two months	Base Flow Sub-Band	М
	Palmer Index for LOK Tributary Conditions	-1.31 (Dry)	М
LOK	CPC Precipitation Outlook	1 month: Below Normal	M
Lon	Ci C i redipitation Outlook	3 months: Normal	L
	LOK Seasonal Net Inflow Forecast  AMO warm/El Nino	2.65 ft (Normal to Extremely Wet)	L
	LOK Multi-Seasonal Net Inflow Forecast  AMO warm/El Nino	3.59 ft (Wet)	L
	WCA 1: Site 1-8C	Above Line 1 (15.36 ft)	L
WCAs	WCA 2A: Site 2-17 HW	Above Line 1 (11.89 ft)	L
	WCA-3A: 3 Station Average (Site 63, 64 and 65)	Between Line 1 & 2 (8.71 ft)	M
	Service Area 1	50% or more of USGS wells are within the lowest 10% to 30% of past water elevations and not more than 25% are in the lowest 10% of past water elevations	М
LEC	Service Area 2	50% or more of USGS wells are within the lowest 10% to 30% of past water elevations and more than 25% are in the lowest 10% of past water elevations	Н
	Service Area 3	50% or more of USGS wells are within the lowest 10% to 30% of past water elevations and more than 25% are in the lowest 10% of past water elevations	Н

Note: The water supply risk classification based on the Palmer index, as well as the LOK seasonal and multi-seasonal net inflow forecasts use slightly different classification intervals than those used by the 2008-LORS for classifying the tributary hydrologic condition (THC).

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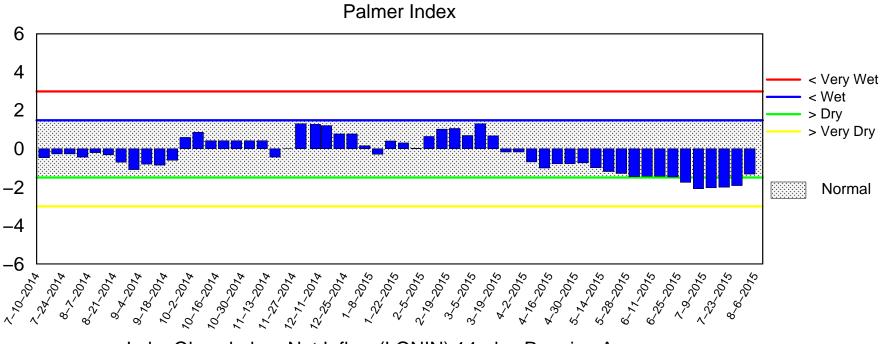
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# Lake Okeechobee SFWMM July 2015 Position Analysis

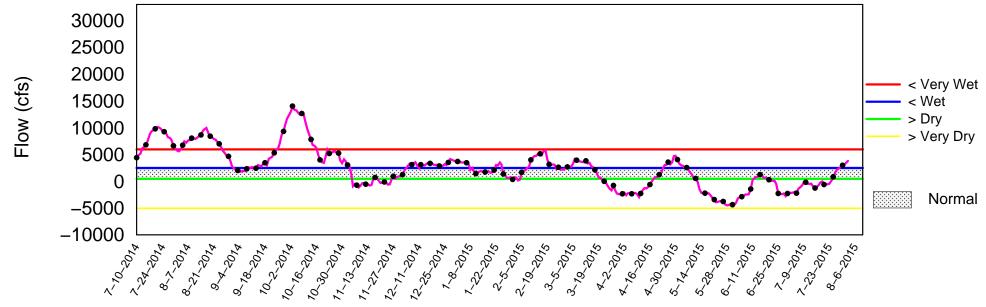


(See assumptions on the Position Analysis Results website)

# Tributary Basin Condition Indicators as of August 3 2015



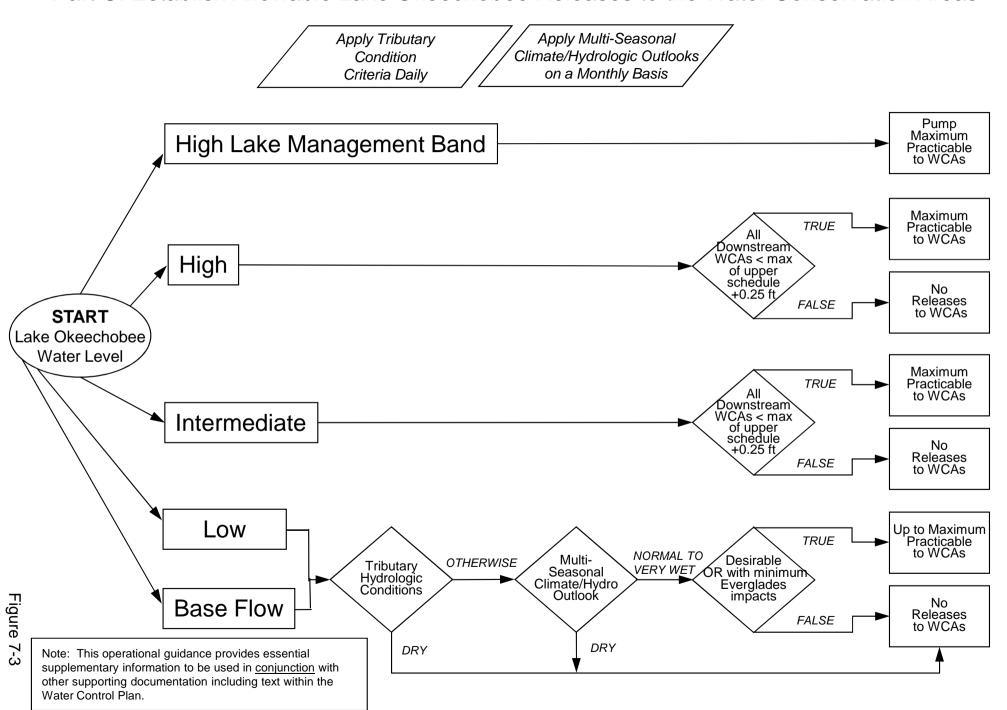
Lake Okeechobee Net Inflow (LONIN) 14-day Running Average



Mon Aug 03 15:35:13 EDT 2015

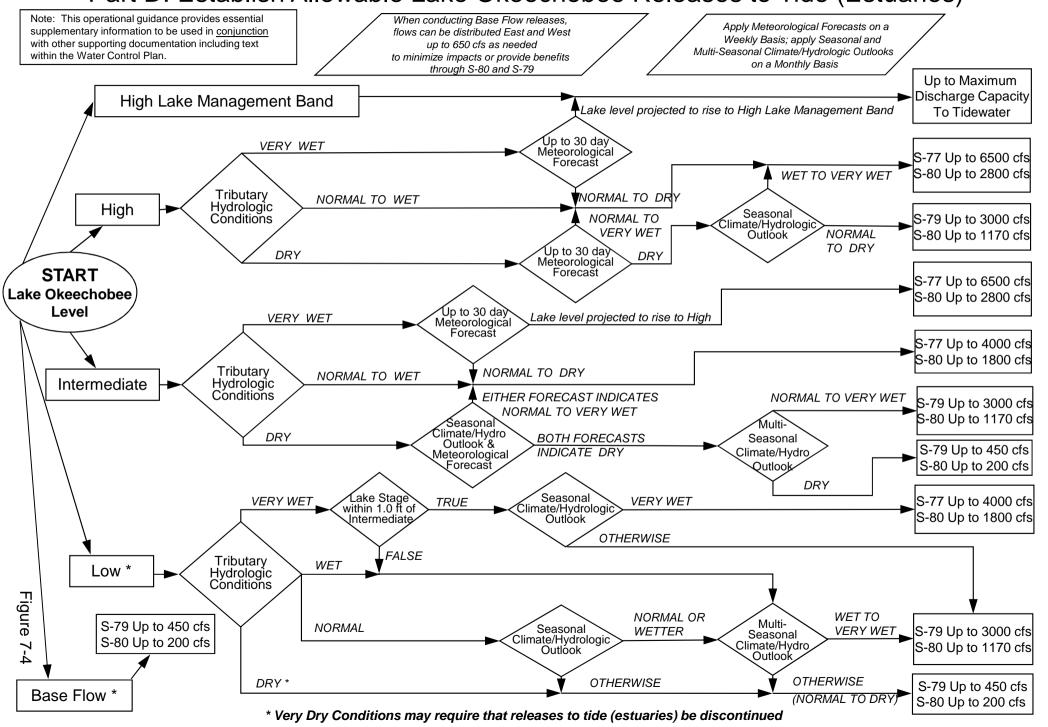
# **2008 LORS**

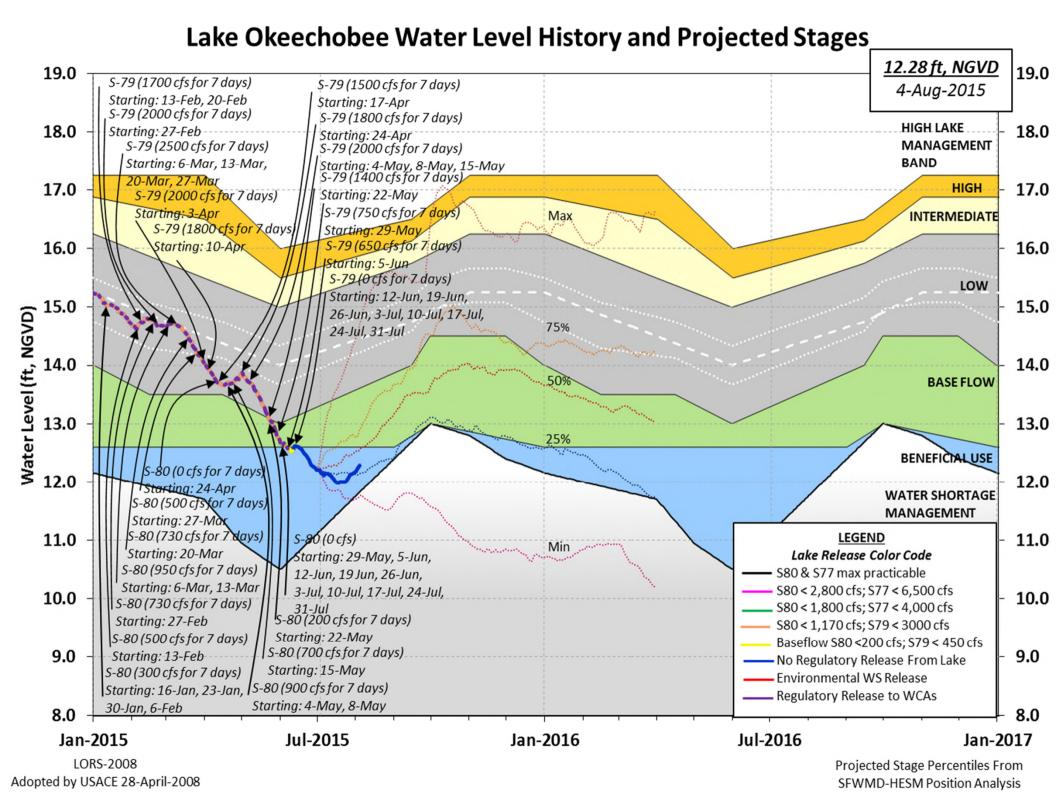
Part C: Establish Allowable Lake Okeechobee Releases to the Water Conservation Areas



# **2008 LORS**

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





#### 

Data Ending 2400 hours 02 AUG 2015

Okeechobee Lake Regulation Elevation Last Year 2YRS Ago (ft-NGVD) (ft-NGVD) (ft-NGVD)  *Okeechobee Lake Elevation 12.25 13.95 15.87 (Officia Bottom of High Lake Mngmt= 16.29 Top of Water Short Mngmt= 11.78 Currently in Operational Management Band  Simulated Average LORS2008 [1965-2000] 12.71 Difference from Average LORS2008 -0.46  02AUG (1965-2007) Period of Record Average 13.79 Difference from POR Average -1.54  Today Lake Okeechobee elevation is determined from the 4 Int & 4 Edg	l Elv
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Difference from POR Average -1.54	
Today Lake Okeechobee elevation is determined from the 4 Int & 4 Edg	
stations	3
++Navigation Depth (Based on 2007 Channel Condition Survey) Route 1 6.19'	÷
++Navigation Depth (Based on 2008 Channel Condition Survey) Route 2	÷
4.39'	
Bridge Clearance = 50.50'	
_	
4 Interior and 4 Edge Okeechobee Lake Average (Avg-Daily values):	
4 interior and 4 mage offeethobee have Average (Avg-Daily Values).	
L001 L005 L006 LZ40 S4 S352 S308 S133	
12.23 12.31 12.21 12.18 12.18 12.36 12.20 12.35	
*Combination Okeechobee Avg-Daily Lake Average = 12.25	
*Combination Okeechobee Avg-Daily Lake Average = 12.25 (*See Note)	
(*See Note)	
(*See Note)  Okeechobee Inflows (cfs): S65E 1029 C5 0 Fisheating Cr 45	2
(*See Note)  Okeechobee Inflows (cfs):  S65E 1029 C5 0 Fisheating Cr 45 S154 0 S191 143 S135 Pumps -NR	
(*See Note)  Cheechobee Inflows (cfs):  S65E 1029 C5 0 Fisheating Cr 45 S154 0 S191 143 S135 Pumps -NR S84 254 S133 Pumps 0 S2 Pumps	- O
(*See Note)  Cheechobee Inflows (cfs):  S65E 1029 C5 0 Fisheating Cr 45 S154 0 S191 143 S135 Pumps -NR S84 254 S133 Pumps 0 S2 Pumps S84X 806 S127 Pumps 0 S3 Pumps	- O O
(*See Note)  Okeechobee Inflows (cfs):  S65E 1029 C5 0 Fisheating Cr 45 S154 0 S191 143 S135 Pumps -NR S84 254 S133 Pumps 0 S2 Pumps S84X 806 S127 Pumps 0 S3 Pumps S71 271 S129 Pumps 0 S4 Pumps	- O
Okeechobee Inflows (cfs):  S65E 1029 C5 0 Fisheating Cr 45 S154 0 S191 143 S135 Pumps -NR S84 254 S133 Pumps 0 S2 Pumps S84X 806 S127 Pumps 0 S3 Pumps S71 271 S129 Pumps 0 S4 Pumps S72 0 S131 Pumps 35	- O O
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S129 Culverts	0	S352		189	S308	-1		
(Used) S131 Culverts 0 L8 Canal Pt -220 S308Below -20 (NOT USED)								
Total Outflows:	17							
****S77 Structure outflow is being used to compute Total Outflow. ****S308 Structure outflow is being used to compute Total Outflow.								
Okeechobee Pan Evaporation (inches): S77 0.22 S308 0.18 Average Pan Evap x 0.75 Pan Coefficient = 0.15" = 0.01'								
Lake Average Precip	itation	using NEX	RAD: =	-NR-" =	-NR-'			
Evaporation - Preci	pitatio	n:	=	-NR-" =	-NR-'			
Evaporation - Preci is equal to -NR	-	n using La	ike Are	ea of 730	square miles			
Lake Okeechobee (Ch	ange in	Storage)	Flow i	.s 3933	cfs or 7800 AC	-FT		

Note: Headwater, tailwater, and stage values below are instantaneous values unless otherwise specified.

	Headwater	Tailwater				Gat	e Pos	sition	ıs	
#8	Elevation	Elevation	Disch	#1	#2	#3	#4	#5	#6 #	‡7
#0 (ft)	(ft-msl)	(ft-msl)	(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft) (f	Et)
(10)		(I	) see no	ote at	bott	.om				
North East Sh	nore	( -	, 200 11		2000					
S133 Pumps S193:	: 13.42	12.43	0	0	0	0	0	0	(cfs)	
S191:	19.57	12.40	143	0.5	0.0	0.5				
S135 Pumps S135 Culve		-NR-	-NR- -NR-			-NR-	-NR-		(cfs)	
North West Sh	nore									
S65E:	20.91	12.32	1029	0.3	0.3	0.3	0.3	0.3	0.0	
S127 Pumps S127 Culve		12.78	0 48	0 2.0	0	0	0	0	(cfs)	
S129 Pumps S129 Culve		12.46	0 0	0 0.1	0	0			(cfs)	
SIZ9 CUIVE			U	0.1						
S131 Pumps S131 Culve		12.65	35 0	0	-NR-				(cfs)	
Fisheating nr Palmda nr Lakepo	ale	32.08 13.16	452							

```
C5: 12.57 12.31 0 0.0 0.0 0.0
South Shore
 S4 Pumps: 12.31 12.44 0 0 0 0 0 S169: 12.33 12.31 -55 5.0 5.0 5.0
                                                        (cfs)
 S169:
 S310:
           12.27
                             -52
 S3 Pumps: 10.41
S354: 12.34
                              0
                   12.34
                                    0 0
                                             0
                                                         (cfs)
                              0 0.0 0.0
                    10.41
                                    0 0 0 0
 S2 Pumps: 11.32
S351: 12.42
                    12.42
                              0
                                                        (cfs)
           12.42 11.32 0 0.0 0.0
12.30 10.84 189 0.0 0.0
-NR- 12.46 8.5 8.5
                                  0.0 0.0 0.0
 S352:
 C10A:
                                   8.5 8.5 8.5 8.5
 L8 Canal PT
                     12.25 -220
                S351 and S352 Temporary Pumps/S354 Spillway
                    12.42 0 -NR--NR--NK--NK-
12.30 189 -NR--NR--NR--NR-
 S351:
            11.32
                             0 -NR--NR--NR--NR--NR-
 S352:
            10.84
 S354:
            10.41
                    12.34
                             0 -NR--NR--NR--NR-
Caloosahatchee River (S77, S78, S79)
 S47B: 13.16 11.10
                                   0.8 0.8
 S47D:
            11.07
                    11.07 23 5.0
 S77:
  Spillway and Sector Flow:
            12.08 11.13 0 0.0 0.0 0.0 0.0
                              1
   Flow Due to Lockages+:
 S77 Below USGS Flow Gage -62
 S78:
  Spillway and Sector Flow:
            10.91 2.97
                            292 0.0 1.0 0.0 0.0
                              5
   Flow Due to Lockages+:
 S79:
   Spillway and Sector Flow:
           3.09 1.44 1784 1.0 1.0 1.0 1.0 1.0 1.0
0.0
   Flow Due to Lockages+:
                              8
                            0%
   Percent of flow from S77
                 (ppm) 64
   Chloride
St. Lucie Canal (S308, S80)
   Spillway and Sector Flow:
            12.13 13.00 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   Flow Due to Lockages+:
                              -1
                            -20
 S308 Below USGS Flow Gage
 S308 Below USGS Flow Gage -20
S153: 18.66 12.84 55 0.0 0.0
 S80:
   Spillway and Sector Flow:
            13.21 0.92 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
```

```
Flow Due to Lockages+: 22
Percent of flow from S308 NA %

Steele Point Top Salinity (mg/ml) ****
Speedy Point Top Salinity (mg/ml) ****
Speedy Point Top Salinity (mg/ml) ****
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+ 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.

_				Wi	nd
- Daily Precipitation Totals Speed	1-Day	3-Day	7-Day	Directio	n
	(inches)	(inches)	(inches)	(Degø)	
(mph)					
S133 Pump Station:	-NR-	0.80	2.97		
S193:	-NR-	0.00	0.00	-NR-	-NR-
Okeechobee Field Station:	-NR-	0.00	0.00		
S135 Pump Station:	-NR-	1.20	1.70		
S127 Pump Station:	-NR-	0.46	2.25		
S129 Pump Station:	-NR-	0.65	1.90		
S131 Pump Station:	-NR-	0.73	1.81		
S77:	0.01	0.38	0.64	201	2
S78:	0.49	0.95	1.29	181	2
S79:	0.00	0.37	0.80	136	0
S4 Pump Station:	-NR-	0.00	0.00		
Clewiston Field Station:	-NR-	0.00	0.00		
S3 Pump Station:	-NR-	1.76	2.39		
S2 Pump Station:	-NR-	0.30	0.59		
S308:	0.04	2.17	2.35	125	5
S80:	0.90	2.27	3.23	351	0
Okeechobee Average	0.02	0.65	1.28		
(Sites S78, S79 and	S80 not inc	cluded)			
Oke Nexrad Basin Avg	-NR-	0.00	0.00		

_ Okeechobee Lake Elevat 02AUG15	cions 02 AU	JG 2015	12.25 Difference	from
02AUG15 -1 Day =	01 AU	JG 2015	12.23	-0.02
02AUG15 -2 Days =	31 JU	JL 2015	12.18	-0.07
02AUG15 -3 Days =	30 JT	JL 2015	12.17	-0.08
02AUG15 - 4 Days =	29 JT	JL 2015	12.15	-0.10
02AUG15 -5 Days =	28 JT	JL 2015	12.14	-0.11
02AUG15 -6 Days =	27 JT	JL 2015	12.14	-0.11
02AUG15 -7 Days =	26 JT	JL 2015	12.13	-0.12
02AUG15 - 30 Days =	JT 80	JL 2015	12.16	-0.09
02AUG15 -1 Year =	02 AU	JG 2014	13.95	1.70
02AUG15 - 2 Year =	02 AU	JG 2013	15.87	3.62

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

ig Term M	nean	30day	y A	/earge	ĿI	101		Allred (.	inches) =	-NR-	
				Tako	_	koo	shoboo	Not Infl	ow (LONIN)		
		7	۱ ۲۵ ۲۵					previous		Avg-Daily Flo	\T47
02AUG15	-	roday		_			2015	4299	MON	4122	, vv
02AUG15		Day					2015	4314	SUN	10115	
02AUG15		Days					2015	3866	SAT	2308	
02AUG15		Days					2015	3803	FRI	4215	
02AUG15		Days					2015	3500	THU	2316	
02AUG15		Days					2015	3232	WED	432	
02AUG15		Days					2015	2970	TUE	2319	
02AUG15		Days					2015	2492	MON	9949	
02AUG15		Days					2015	1497	SUN	8134	
02AUG15		Days					2015	707	SAT	6154	
02AUG15		-					2015	51	FRI	4106	
02AUG15		_					2015	-181	THU	882	
02AUG15		_					2015	-137	WED	839	
02AUG15		_					2015	-220	TUE	-NR-	
						Se	55E				
				Averag	e	Flov	v over	previous	14 days	Avg-Daily Flo	W
02AUG15		Today	y=	C	2	AUG	2015	737	MON	1029	
02AUG15	-1	Day	=	C	1	AUG	2015	701	SUN	714	
02AUG15	-2	Days	=	3	1	JUL	2015	695	SAT	910	
02AUG15	-3	Days	=	3	0	JUL	2015	677	FRI	888	
02AUG15	-4	Days	=				2015	663	THU	717	
02AUG15	-5	Days	=	2	8	JUL	2015	674	WED	834	
	_			_	7	.TTTT.	2015	678		- 40	
02AUG15	-6	Days	=	2	/	ООП	2013	070	TUE	743	
02AUG15 02AUG15	-7	Days	=				2015	699	MON	638	
02AUG15	-7	_	=	2	6	JUL			-		
	-7 -8	Days	= =	2	6 5	JUL JUL	2015	699	MON	638 643 775	
02AUG15 02AUG15	-7 -8 -9	Days Days Days	= = =	2 2 2 2	6 5 4 3	JUL JUL JUL JUL	2015 2015 2015 2015	699 734	MON SUN	638 643 775 616	
02AUG15 02AUG15 02AUG15 02AUG15 02AUG15	-7 -8 -9 -10 -11	Days Days Days Days	= = = =	2 2 2 2 2	6 5 4 3 2	JUL JUL JUL JUL JUL	2015 2015 2015 2015 2015	699 734 773 801 832	MON SUN SAT FRI THU	638 643 775 616 502	
02AUG15 02AUG15 02AUG15 02AUG15	-7 -8 -9 -10 -11 -12	Days Days Days Days Days	= = = = =	2 2 2 2 2 2	6 5 4 3 2	JUL JUL JUL JUL JUL JUL	2015 2015 2015 2015	699 734 773 801	MON SUN SAT FRI	638 643 775 616	

\_ Lake Okeechobee Outlets Last 14 Days

			S-77	S-77	Below S-77	S-78	S-78	S-79
			Discharge	Discharge	Discharge	Discharge	Discharge	Discharge
			(0700-2100)	(ALL DAY)	(ALL-DAY)	(0700-2100)	(ALL DAY)	(ALL DAY)
	DATE	C	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)	(AC-FT)
02	AUG	201	5 0	2	-122	344	588	3553
01	AUG	201	5 0	3	-149	352	763	3389
31	JUL	201	5 0	1	-34	691	1013	3748
30	JUL	201	5 0	1	-74590	327	491	3655
29	JUL	201	5 5	70	-62735	182	465	4500
28	JUL	201	5 86	-NA-	54	608	1063	3574
27	JUL	201	5 0	1	-134	682	1156	7442
26	JUL	201	5 0	0	-88	683	828	5490

24 23 22	JUL JUL JUL	2015 2015 2015 2015 2015	4 44 48 49 0	31 101 107 -NA- 1	-98 -98 206 46 -292	0 0 0 0	16 20 20 16 9	2703 1595 1180 1545 -NR-
		2015	0	1	-116	0	9	3630
	DATE	(	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)	
02		2015	-102	0	375	0	-437	
		2015	-23	0	763	0	-497	
		2015	-123	0	777	0	-387	
		2015	-296	0	759	0	-385	
		2015	-175	0	724	0	-337	
		2015	-407	73	670	0	-369	
		2015	-338	230	569	0	-409	
		2015	-381	0	533	0	-431	
25	JUL	2015	-436	0	504	0	-380	
24	JUL	2015	-56	0	407	0	-315	
23	JUL	2015	115	0	539	0	-333	
22	JUL	2015	53	2	1392	290	-343	
21	JUL	2015	-156	99	1412	153	-320	
20	JUL	2015	-161	0	1198	-NR-	-321	
			S-308	Below S-308	S-80			
		Γ	ischarge	Discharge	Discharge	2		
			ALL DAY)	(ALL-DAY)	(ALL-DAY)			
	DATE		(AC-FT)	(AC-FT)	(AC-FT)			
02		2015	-2	-39	43			
01	AUG	2015	-1	-85	21			
31	JUL	2015	-0	-11	20			
30	JUL	2015	-0	-188	13			
29	JUL	2015	- 0	-319	30			
28	JUL	2015	-0	-389	24			
27	JUL	2015	-0	-294	10			
26	JUL	2015	-0	-393	20			
		2015	0	-308	20			
24	JUL	2015	1	-323	23			
23	JUL	2015	1	-53	33			
		2015	0	-291	16			
21	JUL	2015	1	-17	23			
0.0		0015	^	0.4	~ ~			

\*\*\* NOTE: 1) Discharge from (0700-2100) is computed using Spillway and Sector  $\,$ 

20

Gate Discharges from 0700 hrs to 2100 hrs.

2) Discharge (ALL DAY) is computed using Spillway, Sector Gate and

Lockages Discharges from 0015 hrs to 2400 hrs.

24

(I) - Flows preceded by "I" signify an instantaneous flow computed from the single value reported for the day  $\frac{1}{2}$ 

-

20 JUL 2015 0

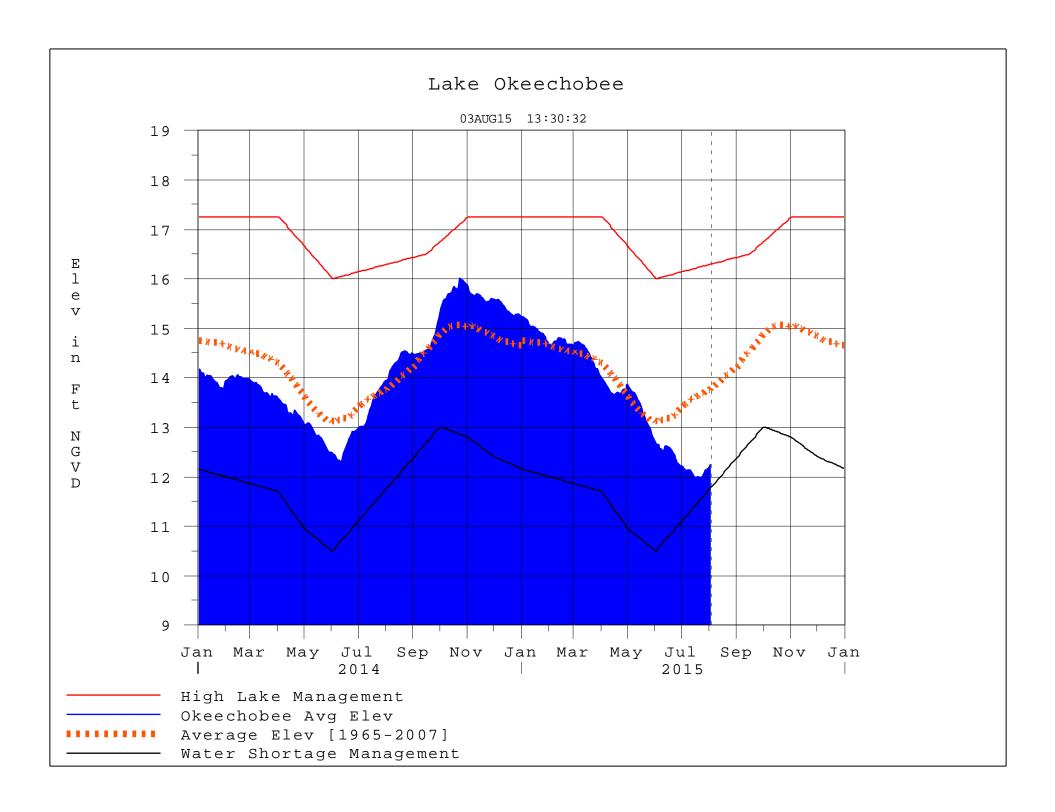
\* On 11 May 1999, Lake Okeechobee Elevation was switched from Instantaneous 2400 value to an average-daily lake average.

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  $\rm S135$  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 03AUG2015 @ 13:15 \*\* 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

• 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

<sup>\*</sup> 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
[	[1000]	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

<sup>\*\*</sup>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

<sup>\*\*</sup>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

<sup>\*</sup> Corresponds to Table 7-6 in the Lake Okeechobee Water Control Plan

**Under Construction**