

# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 2/15/2016 (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 warm years of the Atlantic Multi-decadal Oscillation (AMO) in combination with El Nino ENSO 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	Croley's Method <sup>1*</sup>		SFWMD Empirical Method <sup>2</sup>		Sub-sampling of El Nino ENSO Years <sup>3</sup>		Sub-sampling of AMO Warm + El Nino ENSO Years <sup>4</sup>	
	Value (ft)	<a href="#">Condition</a>	Value (ft)	<a href="#">Condition</a>	Value (ft)	<a href="#">Condition</a>	Value (ft)	<a href="#">Condition</a>
Current (Feb-Jul)	N/A	N/A	1.66	Wet	1.94	Wet	2.95	Very Wet
Multi Seasonal (Feb-Oct)	N/A	N/A	3.42	Wet	3.80	Wet	5.67	Very Wet

**\*Croley's Method Not Produced For This Report**

See [Seasonal](#) and [Multi-Seasonal](#) 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:](#)

**14094 cfs** 14-day running average for Lake Okeechobee Net Inflow through 2/15/2016. According to the classification in [Tributary Hydrologic Conditions](#) table, this condition is Very Wet.

**1.46** for Palmer Index on 2/14/2016.

According to the classification in [Tributary Hydrologic Conditions](#) table, this condition is Normal.

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

## [LORS2008 Classification Tables:](#)

### Lake Okeechobee Stage on 2/15/2016

Lake Okeechobee Stage: **16.21 feet**

[USACE Report for Lake Okeechobee](#)

[Lake Okeechobee Stage Hydrograph](#)

Lake Okeechobee Management Zone/Band		Bottom Elevation (feet, NGVD)	Current Lake Stage
High Lake Management Band		17.25	
Operational Band	High sub-band	16.69	
	Intermediate sub-band	15.88	← 16.21
	Low sub-band	13.51	
Base Flow sub-band		12.60	
Beneficial Use sub-band		11.93	
Water Shortage Management 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: S-77 up to 4000 cfs and S-80 up to 1800 cfs

**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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**[Back to U.S. Army Corps of Engineers LORSS Homepage](#)**

## LORS2008 Implementation on 2/15/2016 (ENSO El Nino Condition):

### Water Supply Department Technical Input

#### Water Supply Outlook:

District wide, Raindar rainfall 0.02 inches for the week ending 2/15/2016. Lake stage on 2/15/2016 is 16.21 ft, down 0.16 ft from last week.

The updated January 2016 SFWMM Dynamic Position Analysis [percentile graph](#) and [tracking chart](#) for Lake Okeechobee show that the lake stage is in the Intermediate Operational Sub-Band.

The LORS2008 tributary [indices](#) are classified as **Very Wet**. The PDSI indicates normal condition and the LONIN is Very Wet. The classification is based on the wetter of the two.

#### Water Supply Risk Evaluation

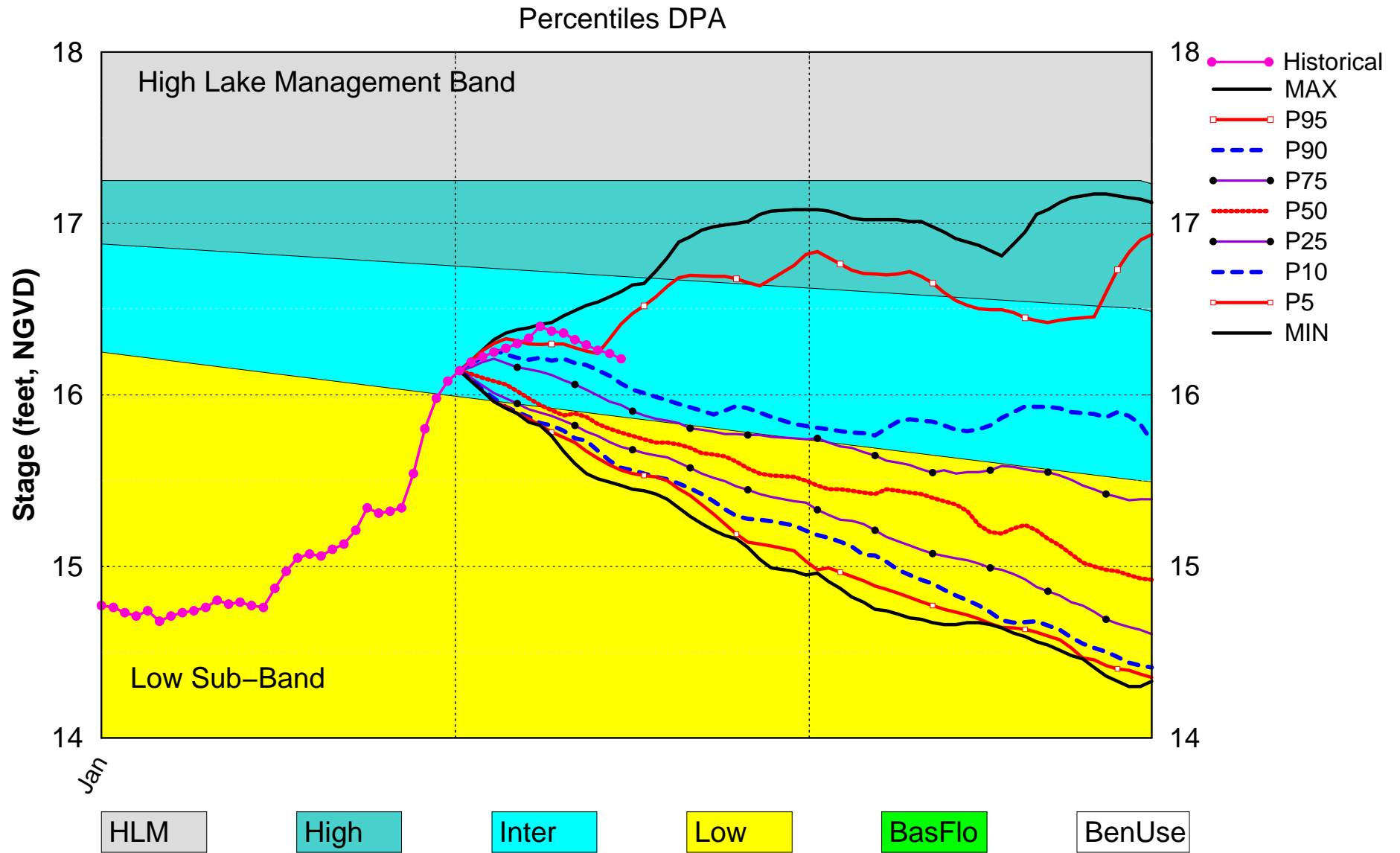
Area	Indicator	Value	Color Coded Scoring Scheme
LOK	Projected LOK Stage for the next two months	*Intermediate Flow Sub-Band	L
	Palmer Index for LOK Tributary Conditions	1.46 (Normal)	L
	CPC Precipitation Outlook	1 month: Above Normal	L
		3 months: Above Normal	L
	LOK Seasonal Net Inflow Forecast AMO warm/El Nino	1.94 ft (Normal to Extremely Wet)	L
	LOK Multi-Seasonal Net Inflow Forecast AMO warm/El Nino	3.80 ft (Wet)	L
WCAs	WCA 1: Site 1-7, Site 1-8T, & Site 1-9 Average	Above Line 1 (16.86 ft)	L
	WCA 2A: Site 2-17 HW	Above Line1 (13.90 ft)	L
	WCA-3A: 3 Station Average (Site 63, 64 and 65)	Above Line 1 (11.41 ft)	L
LEC	Service Area 1	Year-Round Irrigation Rule in effect	L
	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 forecasts use slightly different classification intervals than those used by the 2008-LORS for classifying the tributary hydrologic condition (THC).

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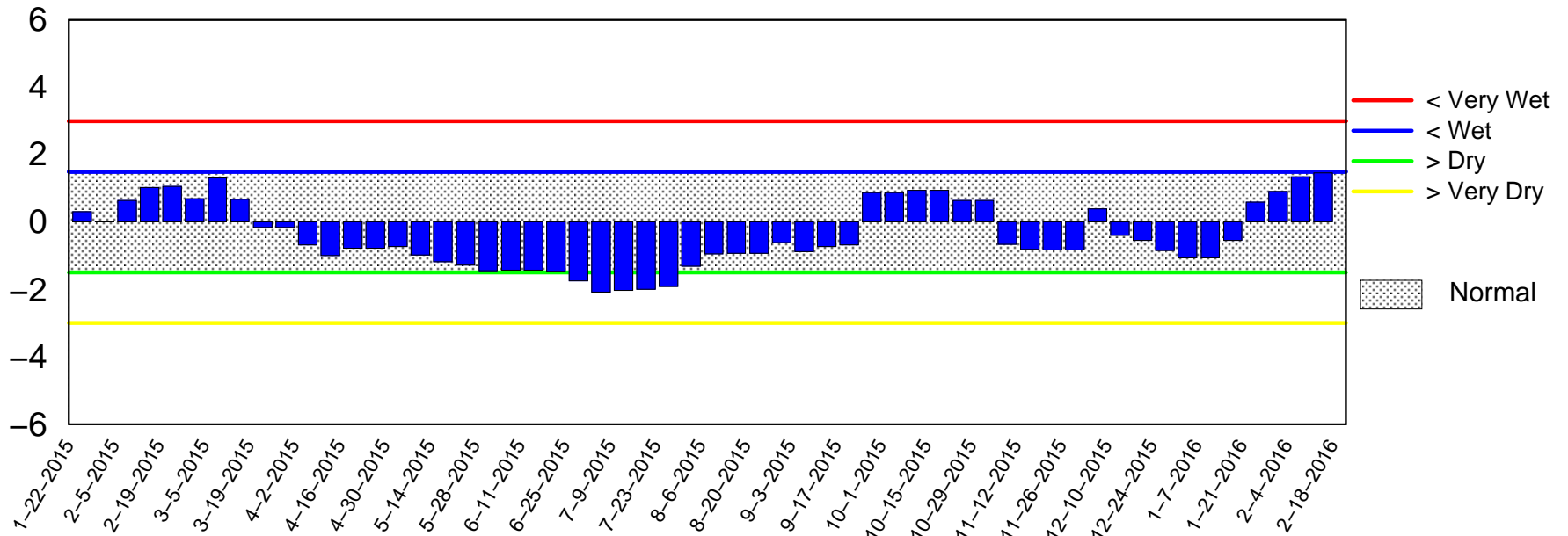
# Lake Okeechobee SFWMM Feb 2016 Dynamic Position Analysis



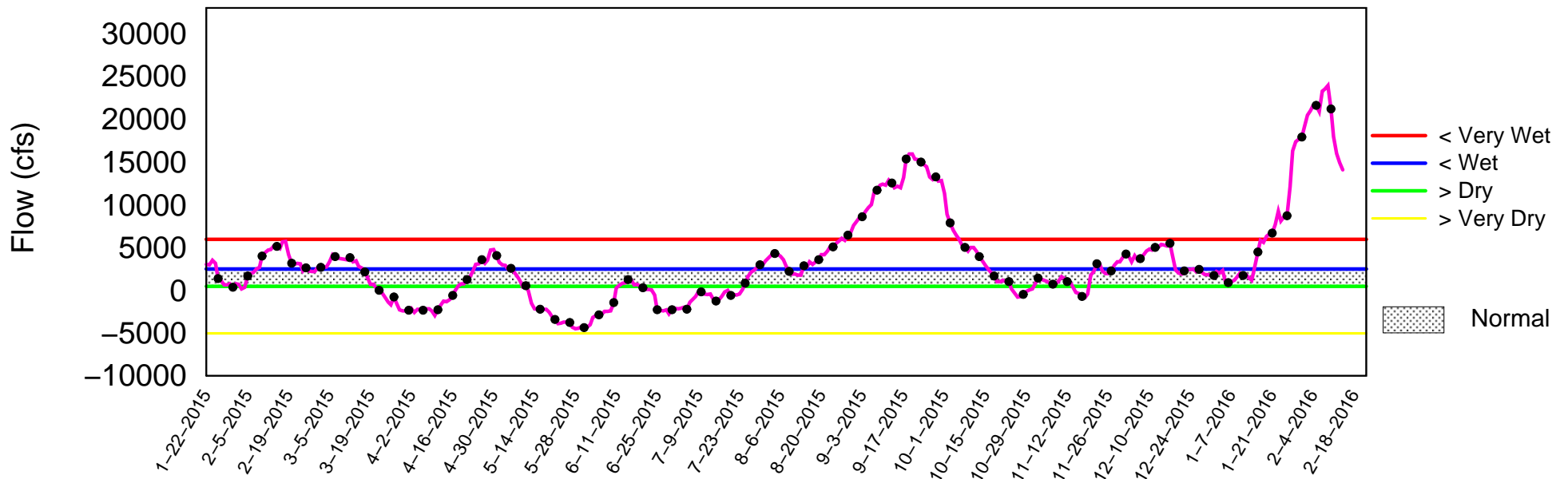
(See assumptions on the Position Analysis Results website)

# Tributary Basin Condition Indicators as of February 15 2016

## Palmer Index



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



Mon Feb 15 17:46:51 EST 2016

# 2008 LORS

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

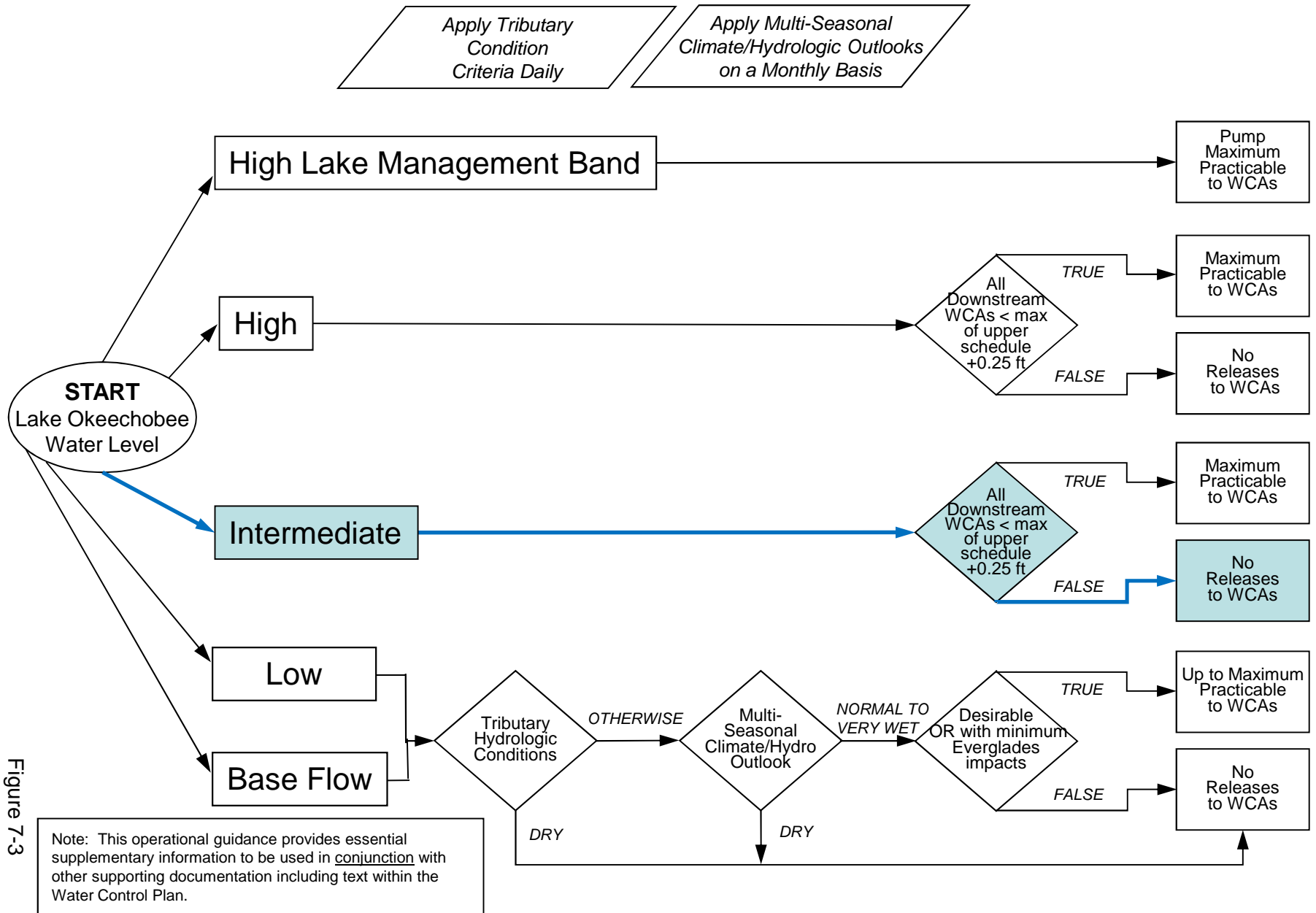


Figure 7-3

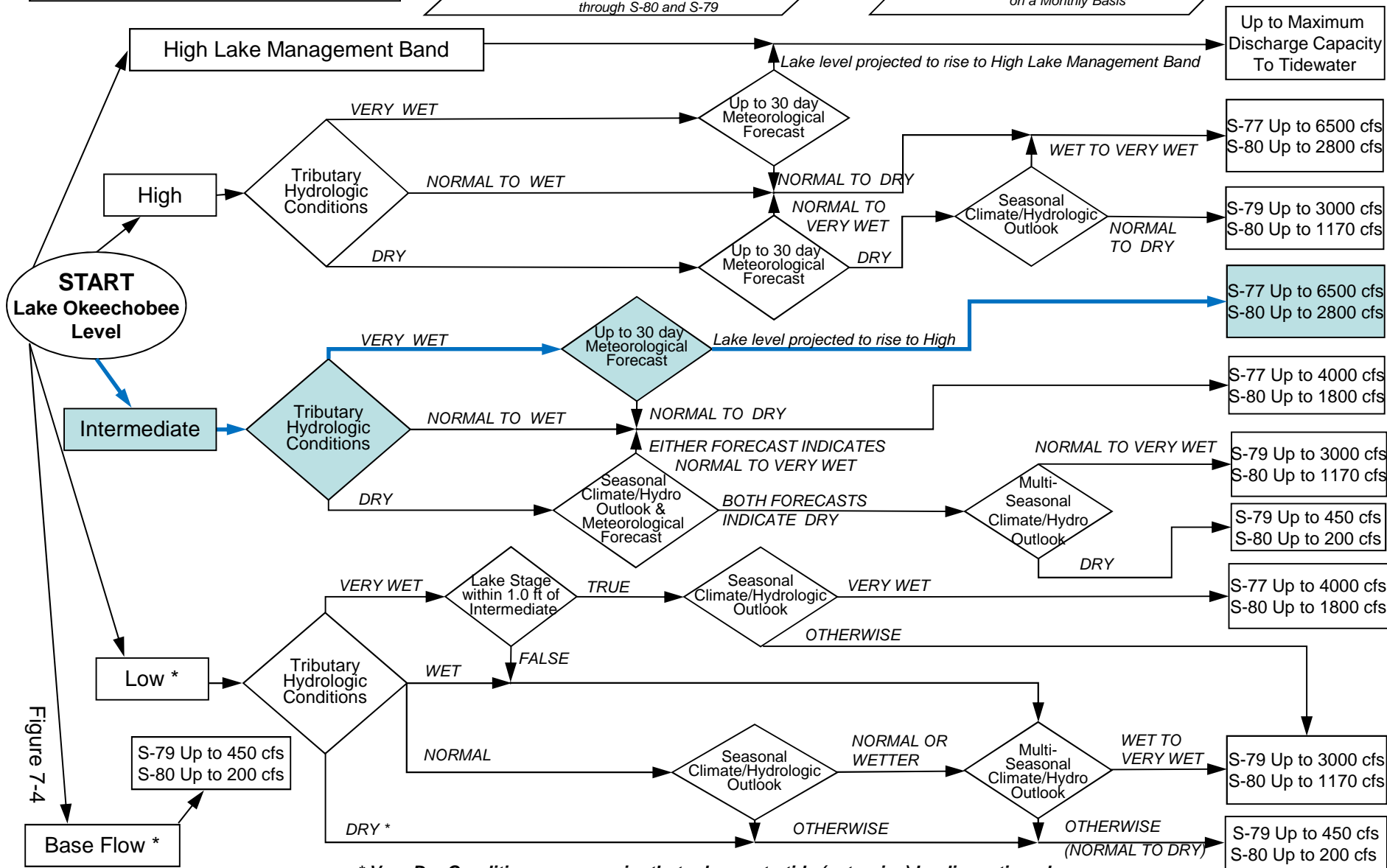
# 2008 LORS

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

Note: This operational guidance provides essential supplementary information to be used in conjunction with other supporting documentation including text within the Water Control Plan.

When conducting Base Flow releases, flows can be distributed East and West up to 650 cfs as needed to minimize impacts or provide benefits through S-80 and S-79

Apply Meteorological Forecasts on a Weekly Basis; apply Seasonal and Multi-Seasonal Climate/Hydrologic Outlooks on a Monthly Basis



\* Very Dry Conditions may require that releases to tide (estuaries) be discontinued

Figure 7-4



# 2008 LORS FORECAST

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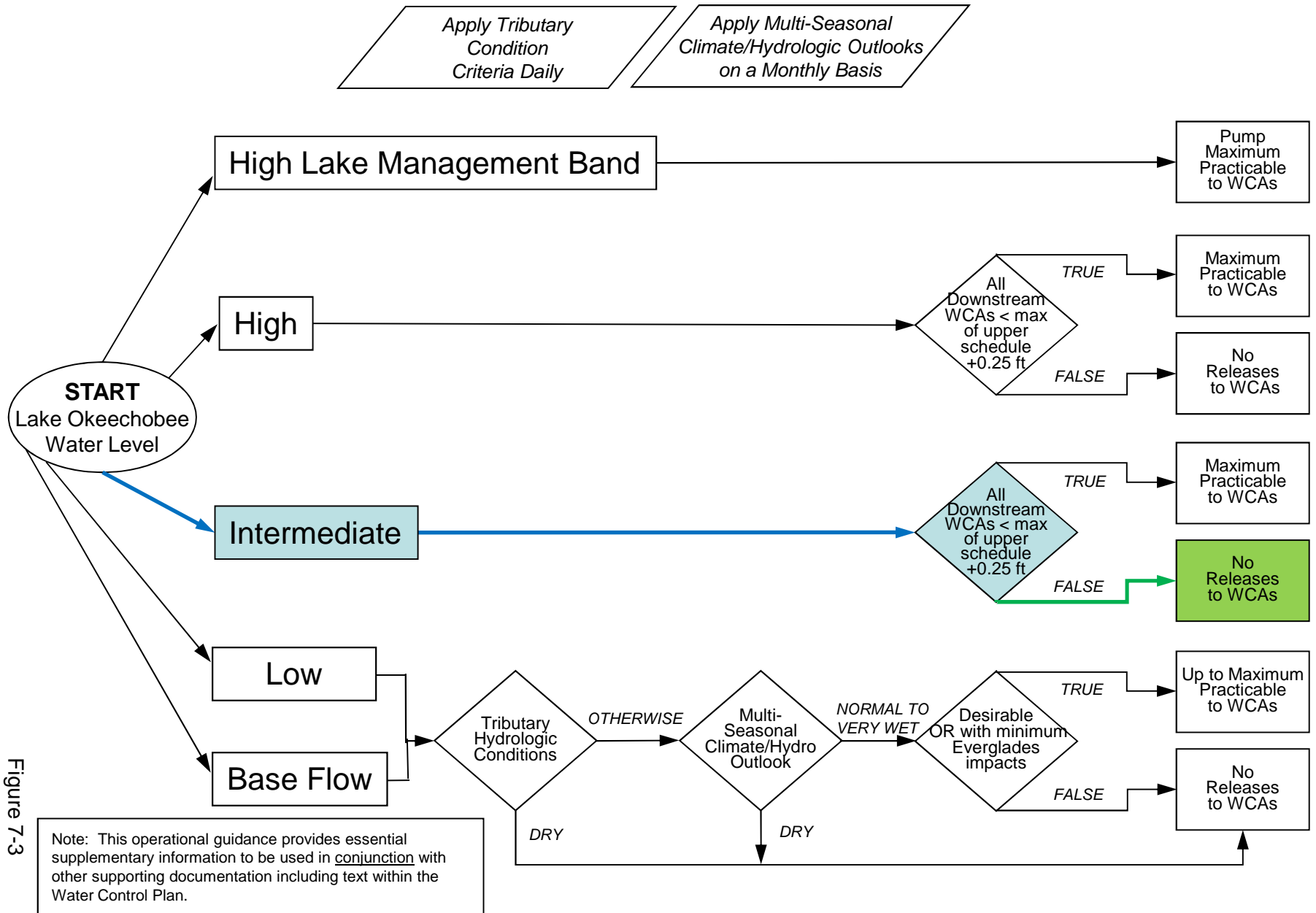


Figure 7-3

# 2008 LORS FORECAST

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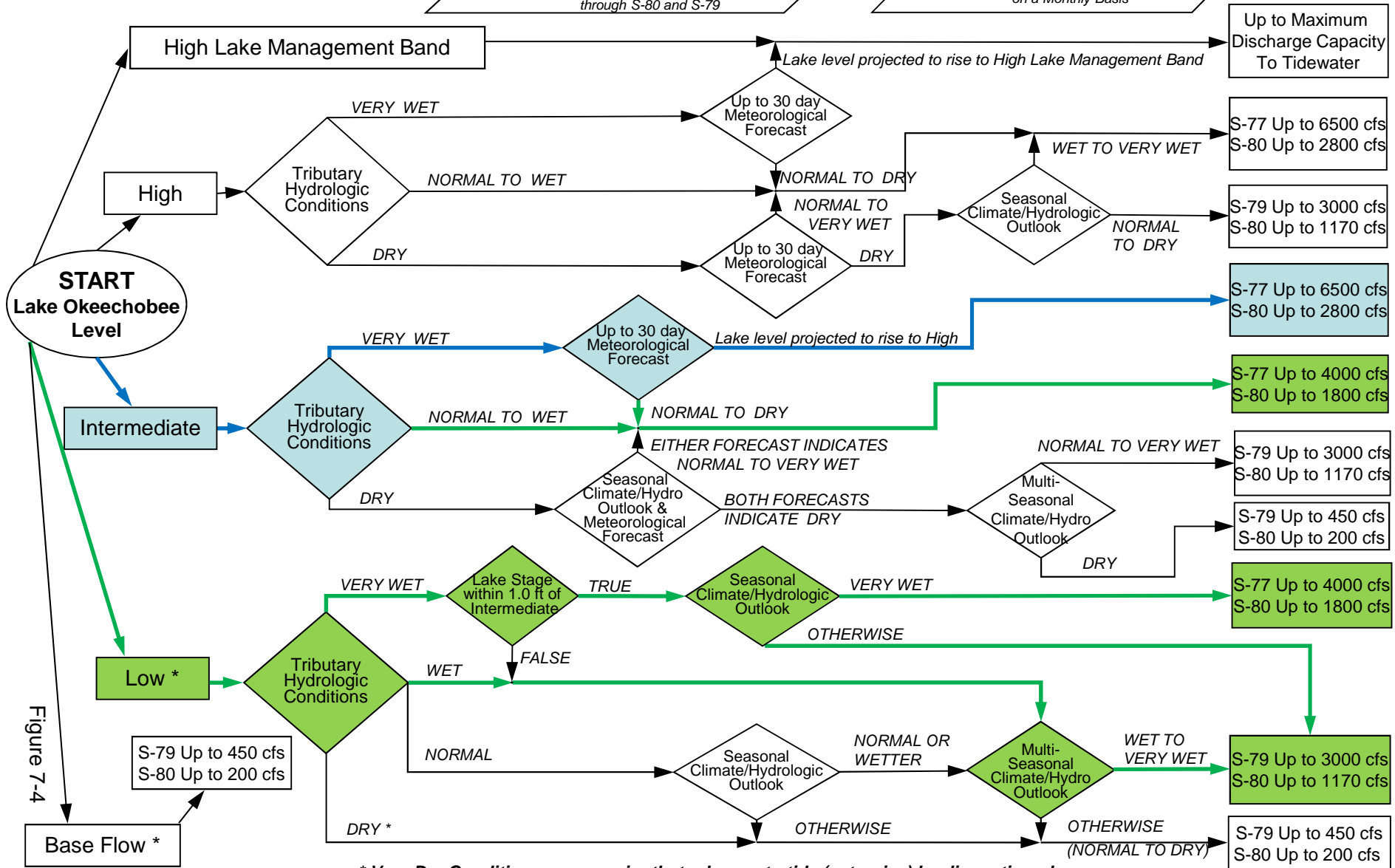
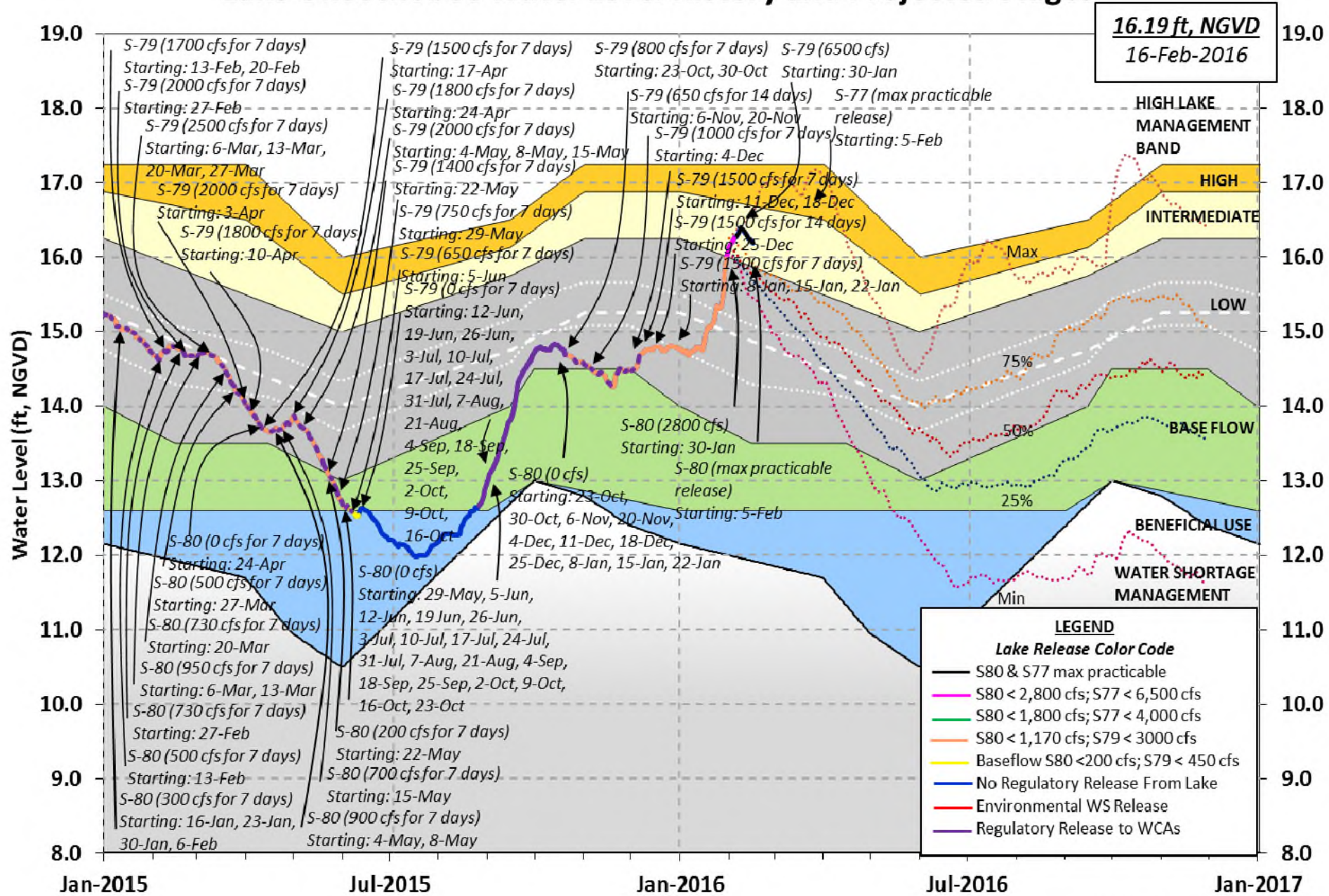


Figure 7-4

\* Very Dry Conditions may require that releases to tide (estuaries) be discontinued

# Lake Okeechobee Water Level History and Projected Stages





S129 Culverts 0 S352 0 S308 5273 (Not Used)  
 S131 Culverts -NR- L8 Canal Pt 14 S308Below 3664 (USED)  
 Total Outflows: 9649

\*\*\*\*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 0.15 S308 0.04  
 Average Pan Evap x 0.75 Pan Coefficient = 0.07" = 0.01'

Lake Average Precipitation using NEXRAD: = 0.00" = 0.00'

Evaporation - Precipitation: = 0.07" = 0.01'

Evaporation - Precipitation using Lake Area of 730 square miles  
 is equal to 1399 cfs out of the lake.

Lake Okeechobee (Change in Storage) Flow is -6806 cfs or -13500 AC-FT

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

---	Headwater Tailwater		Disch	----- Gate Positions -----						
	Elevation	Elevation		#1	#2	#3	#4	#5	#6	#7
#8	(ft-msl)	(ft-msl)	(cfs)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(ft)
	(I) see note at bottom									
North East Shore										
S133 Pumps:	13.32	16.15	59	18	41	0	0	0	(cfs)	
S193:										
S191:	18.76	16.14	24	0.0	0.0	0.0				
S135 Pumps:		-NR-	134	24	24	36	49	(cfs)		
S135 Culverts:			0	-NR-	-NR-					
North West Shore										
S65E:	21.08	16.10	3907	1.8	1.8	1.8	1.6	1.6	1.6	
S127 Pumps:	13.35	-NR-	5	0	5	0	0	0	(cfs)	
S127 Culvert:			-NR-	-NR-						
S129 Pumps:	12.85	16.26	36	0	36	0	(cfs)			
S129 Culvert:			0	0.0						
S131 Pumps:	12.98	16.33	0	0	0	(cfs)				
S131 Culvert:			-NR-							
Fisheating Creek										
nr Palmdale		32.71	951							
nr Lakeport										

C5: 16.14 16.14 -152 8.0 0.0 8.0

South Shore

S4 Pumps: 11.35 16.26 0 0 0 0 (cfs)  
 S169: 15.29 11.29 19 0.0 0.0 0.0  
 S310: 16.20 14  
 S3 Pumps: 9.43 16.27 0 0 0 0 (cfs)  
 S354: 16.27 9.43 0 0.0 0.0  
 S2 Pumps: 9.31 16.21 0 0 0 0 0 (cfs)  
 S351: 16.21 9.31 0 0.0 0.0 0.0  
 S352: 16.32 10.07 0 0.0 0.0  
 C10A: -NR- 13.43 0.0 0.0 0.0 0.0 0.0  
 L8 Canal PT 13.21 14

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S351 and S352 Temporary Pumps/S354 Spillway

S351: 9.31 16.21 0 -NR--NR--NR--NR--NR--NR-  
 S352: 10.07 16.32 0 -NR--NR--NR--NR--  
 S354: 9.43 16.27 0 -NR--NR--NR--NR--

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Caloosahatchee River (S77, S78, S79)

S47B: 12.43 11.03 0.0 0.0  
 S47D: 11.01 11.01 24 5.0  
 S77:  
 Spillway and Sector Flow:  
 15.69 11.25 7948 7.0 7.0 7.0 7.0  
 Flow Due to Lockages+: 9  
 S77 Below USGS Flow Gage 5972  
 S78:  
 Spillway and Sector Flow:  
 10.59 3.53 5845 4.5 5.0 5.0 4.5  
 Flow Due to Lockages+: 14  
 S79:  
 Spillway and Sector Flow:  
 3.29 1.47 7956 3.0 3.0 3.0 4.0 4.0 3.0 3.0  
 3.0  
 Flow Due to Lockages+: 11  
 Percent of flow from S77 100%  
 Chloride (ppm) 50

St. Lucie Canal (S308, S80)

S308:  
 Spillway and Sector Flow:  
 16.13 15.80 5273 7.0 7.0 7.0 7.0  
 Flow Due to Lockages+: 0  
 S308 Below USGS Flow Gage 3664  
 S153: 19.07 15.51 90 0.4 0.0  
 S80:  
 Spillway and Sector Flow:  
 12.39 1.56 6086 2.0 2.0 2.0 3.0 2.0 2.0 3.0

Flow Due to Lockages+: 12  
 Percent of flow from S308 87%

Steele Point Top Salinity (mg/ml) \*\*\*\*  
 Steele Point Bottom Salinity (mg/ml) \*\*\*\*

Speedy Point Top Salinity (mg/ml) 1228  
 Speedy Point Bottom Salinity (mg/ml) 1653

+ 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.

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					----- 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:	-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:	0.00	0.00	0.00	119	5	
S78:	0.00	0.00	0.00	84	7	
S79:	0.00	0.00	0.00	146	6	
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:	*****	*****	*****	63	1	
S80:	0.00	0.96	0.96	95	5	
Okeechobee Average	*****	6208.46	*****			
(Sites S78, S79 and S80 not included)						
-----						
Oke Nexrad Basin Avg	0.00	0.00	0.00			
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Okeechobee Lake Elevations	14 FEB 2016	16.21 Difference from
14FEB16		14FEB16
14FEB16 -1 Day =	13 FEB 2016	16.24 0.03
14FEB16 -2 Days =	12 FEB 2016	16.26 0.05
14FEB16 -3 Days =	11 FEB 2016	16.29 0.08
14FEB16 -4 Days =	10 FEB 2016	16.32 0.11
14FEB16 -5 Days =	09 FEB 2016	16.36 0.15
14FEB16 -6 Days =	08 FEB 2016	16.37 0.16
14FEB16 -7 Days =	07 FEB 2016	16.40 0.19
14FEB16 -30 Days =	15 JAN 2016	14.87 -1.34
14FEB16 -1 Year =	14 FEB 2015	14.79 -1.42
14FEB16 -2 Year =	14 FEB 2014	14.05 -2.16

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

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Lake Okeechobee Net Inflow (LONIN)

		Average Flow over the previous 14 days			Avg-Daily Flow
14FEB16	Today =	14 FEB 2016	10663	MON	6428
14FEB16	-1 Day =	13 FEB 2016	11512	SUN	8248
14FEB16	-2 Days =	12 FEB 2016	12680	SAT	6274
14FEB16	-3 Days =	11 FEB 2016	15020	FRI	6057
14FEB16	-4 Days =	10 FEB 2016	18613	THU	843
14FEB16	-5 Days =	09 FEB 2016	21651	WED	7359
14FEB16	-6 Days =	08 FEB 2016	21436	TUE	2655
14FEB16	-7 Days =	07 FEB 2016	21417	MON	25060
14FEB16	-8 Days =	06 FEB 2016	19197	SUN	16063
14FEB16	-9 Days =	05 FEB 2016	20070	SAT	14605
14FEB16	-10 Days =	04 FEB 2016	20279	FRI	11295
14FEB16	-11 Days =	03 FEB 2016	19952	THU	13574
14FEB16	-12 Days =	02 FEB 2016	19626	WED	13268
14FEB16	-13 Days =	01 FEB 2016	18538	TUE	17550

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S65E

		Average Flow over previous 14 days			Avg-Daily Flow
14FEB16	Today=	14 FEB 2016	4429	MON	3907
14FEB16	-1 Day =	13 FEB 2016	4471	SUN	4100
14FEB16	-2 Days =	12 FEB 2016	4546	SAT	4451
14FEB16	-3 Days =	11 FEB 2016	4583	FRI	4774
14FEB16	-4 Days =	10 FEB 2016	4546	THU	4830
14FEB16	-5 Days =	09 FEB 2016	4444	WED	5528
14FEB16	-6 Days =	08 FEB 2016	4217	TUE	5294
14FEB16	-7 Days =	07 FEB 2016	4025	MON	5228
14FEB16	-8 Days =	06 FEB 2016	3836	SUN	4513
14FEB16	-9 Days =	05 FEB 2016	3741	SAT	3939
14FEB16	-10 Days =	04 FEB 2016	3672	FRI	3747
14FEB16	-11 Days =	03 FEB 2016	3599	THU	3771
14FEB16	-12 Days =	02 FEB 2016	3548	WED	3807
14FEB16	-13 Days =	01 FEB 2016	3515	TUE	4118

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Lake Okeechobee Outlets Last 14 Days

DATE	S-77	S-77	Below S-77	S-78	S-78	S-79
	Discharge (0700-2100) (AC-FT)	Discharge (ALL DAY) (AC-FT)	Discharge (ALL-DAY) (AC-FT)	Discharge (0700-2100) (AC-FT)	Discharge (ALL DAY) (AC-FT)	Discharge (ALL DAY) (AC-FT)
14 FEB 2016	-NR-	15778	11842	-NR-	11618	15798
13 FEB 2016	-NR-	15468	11889	-NR-	11620	15310
12 FEB 2016	-NR-	17440	11336	-NR-	13021	16290
11 FEB 2016	-NR-	17829	11603	-NR-	12593	16641
10 FEB 2016	-NR-	13311	10979	-NR-	12111	16084
09 FEB 2016	-NR-	12930	11039	-NR-	13724	18951
08 FEB 2016	-NR-	12354	11006	-NR-	13870	18388
07 FEB 2016	-NR-	11790	10465	-NR-	13981	19364



06 FEB 2016	-NR-	11624	10567	-NR-	13846	18552
05 FEB 2016	-NR-	10426	10312	-NR-	14295	19776
04 FEB 2016	-NR-	10211	10310	-NR-	14200	19262
03 FEB 2016	-NR-	10575	9953	-NR-	14982	21121
02 FEB 2016	-NR-	10231	10018	-NR-	15223	23320
01 FEB 2016	-NR-	9769	9812	-NR-	14954	25507

	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)
14 FEB 2016	27	0	0	0	27
13 FEB 2016	121	0	0	0	-15
12 FEB 2016	2	0	0	0	-5
11 FEB 2016	5	0	0	0	5
10 FEB 2016	13	0	0	0	3
09 FEB 2016	23	0	0	0	-25
08 FEB 2016	10	0	0	0	2
07 FEB 2016	21	0	0	0	22
06 FEB 2016	25	0	0	0	51
05 FEB 2016	102	0	0	0	61
04 FEB 2016	62	0	0	0	83
03 FEB 2016	10	0	0	0	102
02 FEB 2016	32	0	0	0	75
01 FEB 2016	-6	0	0	0	18

	S-308	Below S-308	S-80
	Discharge	Discharge	Discharge
	(ALL DAY)	(ALL-DAY)	(ALL-DAY)
DATE	(AC-FT)	(AC-FT)	(AC-FT)
14 FEB 2016	-NA-	7266	12092
13 FEB 2016	-NA-	7517	12502
12 FEB 2016	-NA-	7141	12503
11 FEB 2016	7688	7696	12570
10 FEB 2016	6363	7559	12649
09 FEB 2016	6164	6964	10167
08 FEB 2016	6420	7106	10901
07 FEB 2016	6393	7839	12524
06 FEB 2016	6705	6452	10539
05 FEB 2016	4993	4682	6613
04 FEB 2016	-NA-	2472	5547
03 FEB 2016	-NA-	2244	5599
02 FEB 2016	-NA-	2023	5662
01 FEB 2016	-NA-	1925	-NR-

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

Gate Discharges from 0700 hrs to 2100 hrs.

and 2) 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

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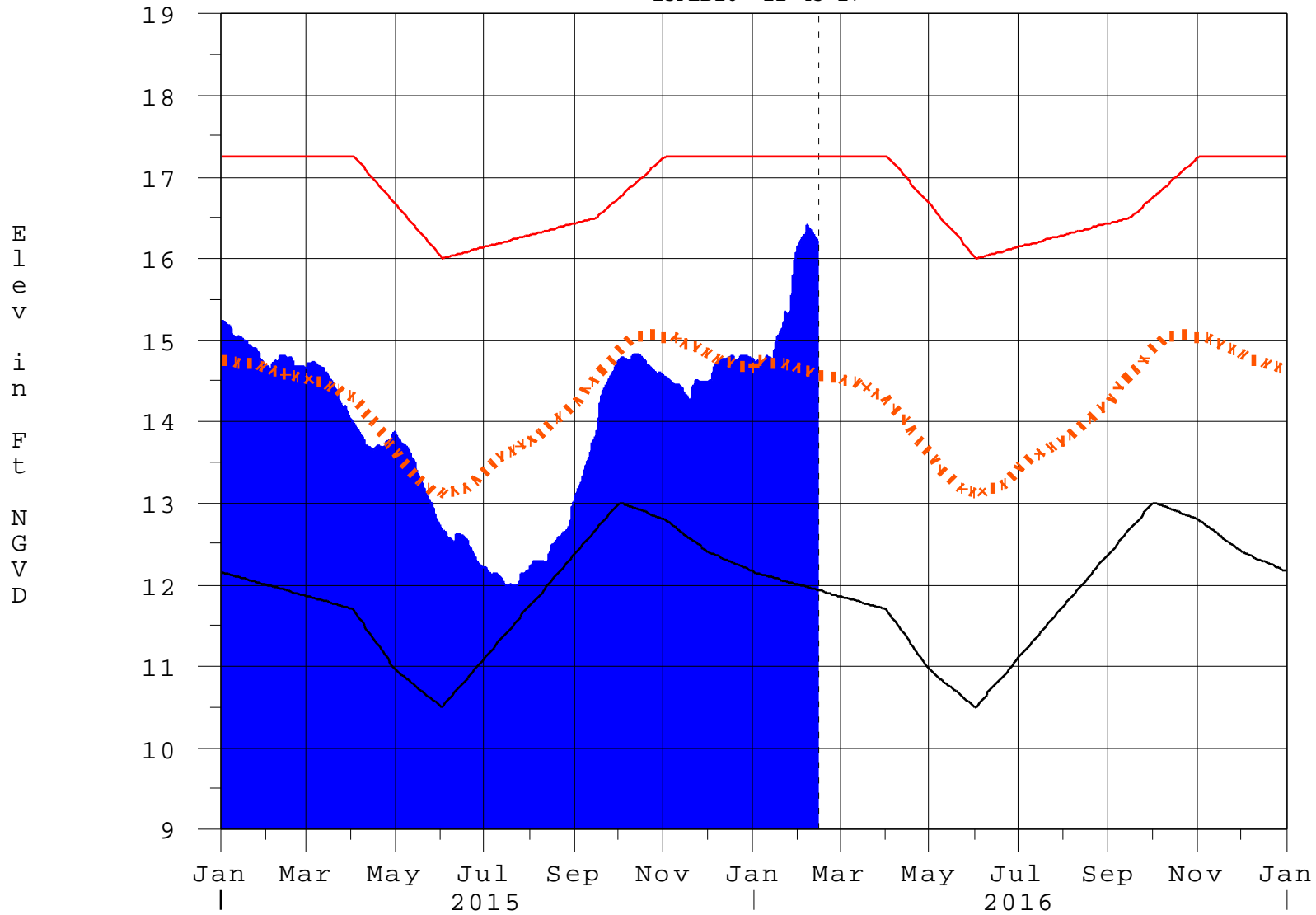
\* On 11 May 1999, Lake Okeechobee Elevation was switched from Instantaneous 2400 value to an average-daily lake average.  
On 14 Mar 2001, due to the isolation of various gages within the standard  
10 stations, the average of the interior 4 station gages was used as the Lake Okeechobee Elevation.  
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](http://www.sfwmd.gov)

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Report Generated 15FEB2016 @ 11:38 \*\* Preliminary Data - Subject to Revision  
\*\*

# Lake Okeechobee

15FEB16 11:45:17



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

# Classification Tables

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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

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Tributary Hydrologic Classification*	Palmer Index Class Limits	2-wk Mean L.O. Net Inflow Class Limits
Very Wet	3.0 or greater	Greater $\geq$ 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\***

<b>Lake Net Inflow Prediction</b> <b>[million acre-feet]</b>	<b>Equivalent Depth**</b> <b>[feet]</b>	<b>Lake Okeechobee Net Inflow Seasonal Outlook</b>
> 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\*

<b>Lake Net Inflow Prediction</b> <b>[million acre-feet]</b>	<b>Equivalent Depth**</b> <b>[feet]</b>	<b>Lake Okeechobee</b> <b>Net Inflow</b> <b>Multi-Seasonal Outlook</b>
> 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\***

<b>6-15 Day Precipitation Outlook Categories</b>	<b>WSE Decision Tree Categories</b>
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

USACE POSITION STATEMENT: The Corps considers Lake Okeechobee water level to be in the High Sub-band since 4 February 2016.

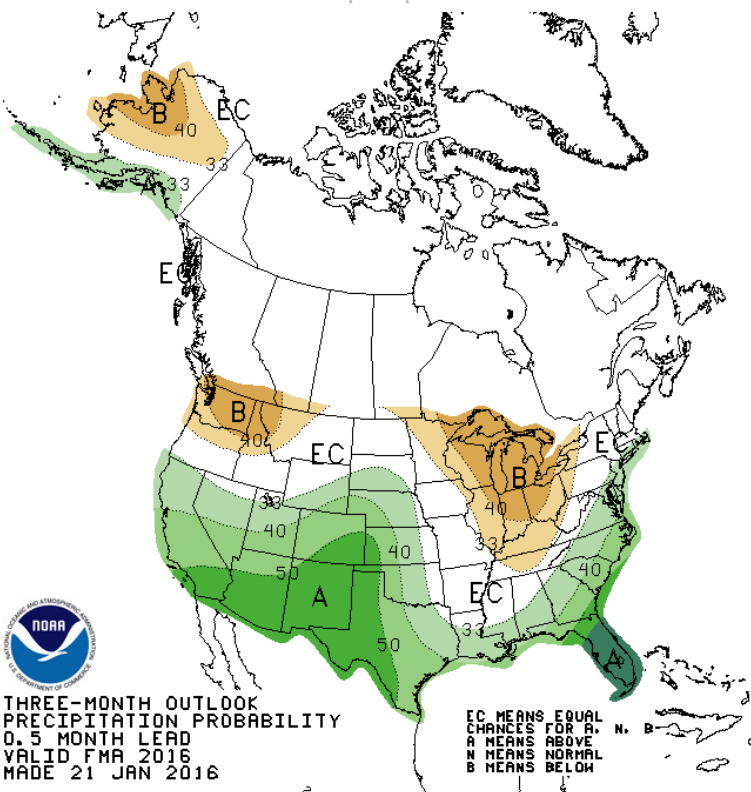
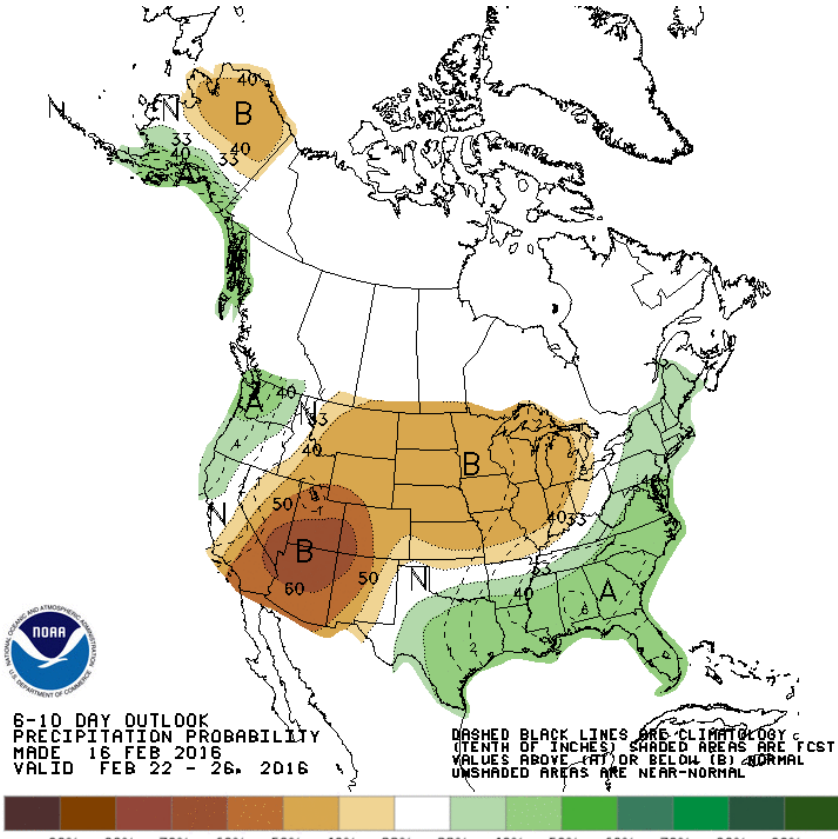
Considering the lack of availability of STA treatment capacity, SFWMD designated lands, CERP reservoirs, the condition of tributary basins, WCAs water levels well above schedule, precipitation forecast, continued very strong El Niño and Kissimmee Chain of Lake levels, Lake Okeechobee level is less than 0.5 feet below the High Sub-Band and projected to rise into the High Sub-Band, therefore, the allowable Lake Okeechobee release is determined by following Part D (Figure 7-4) with the lake level considered to be in the High Sub-Band.

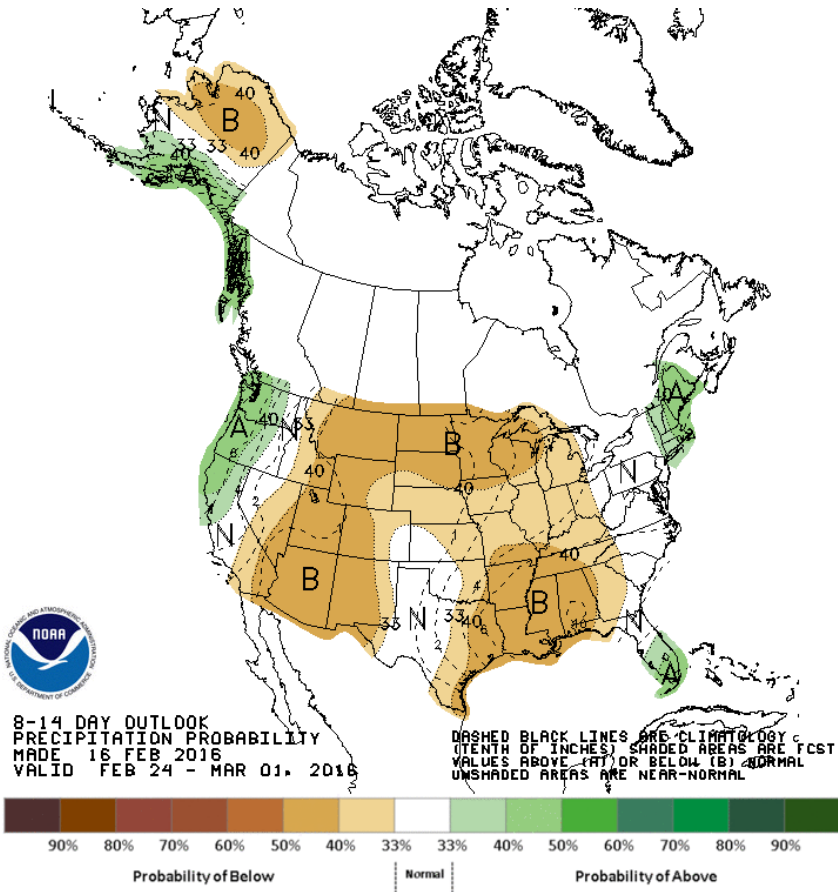
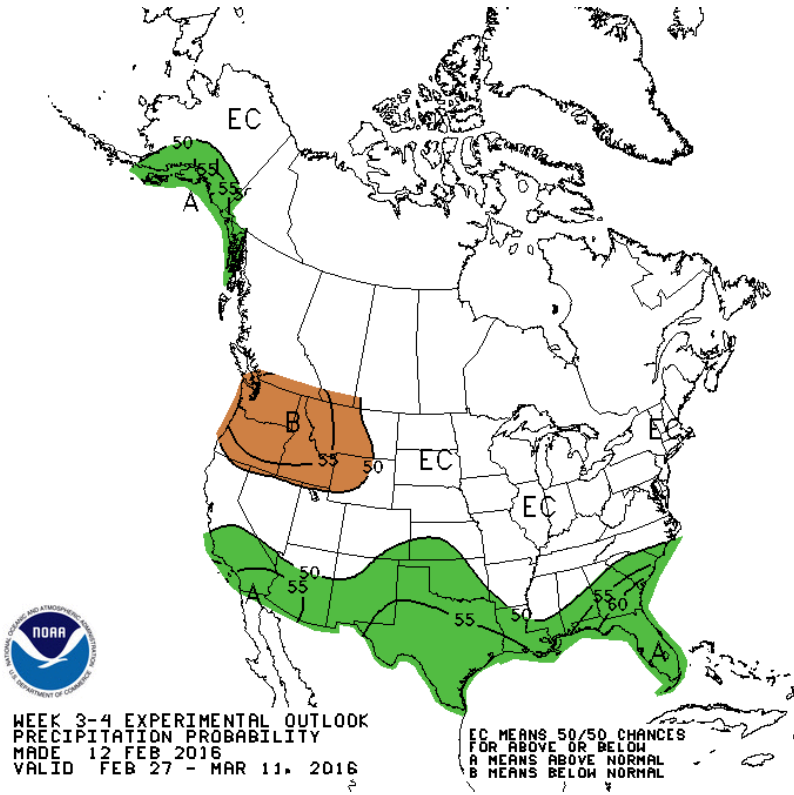
FACTS/CONSIDERATIONS:

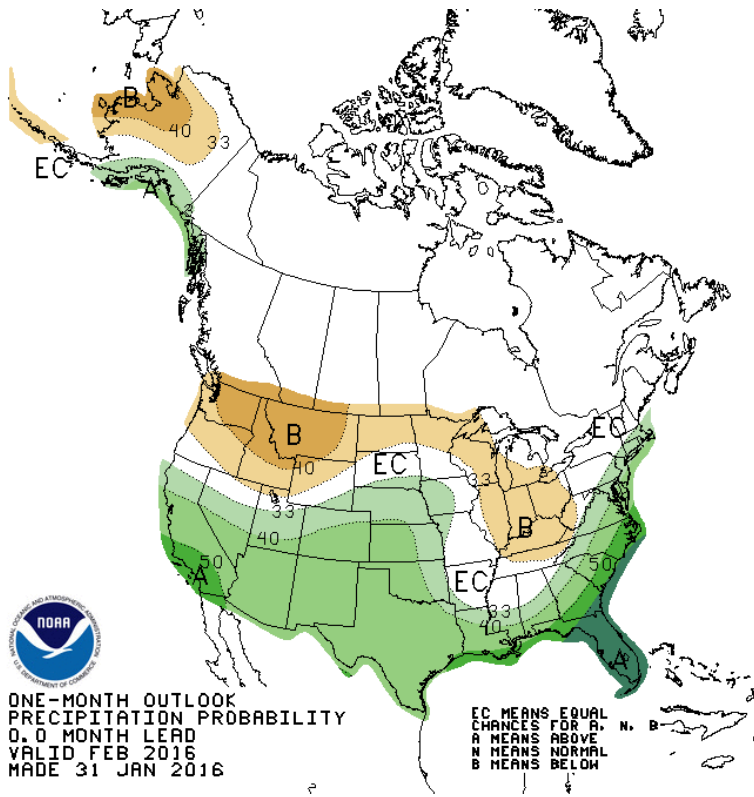
- \* Very strong El Niño conditions ongoing and forecasted to continue
- \* Definitely, one of the strongest El Niño since 1950
- \* Record wettest January in South Florida since records began in 1932
- \* Lake Okeechobee water level above the optimum range of 12.5 and 15.5 feet, NGVD29
- \* No additional storage available in SFWMD designated lands per SFWMD
- \* No additional storage available in the WCAs
- \* Tributary hydrologic conditions remain very wet
- \* Lake Okeechobee releases made since 4 February is equivalent to 0.5 feet off the lake
- \* WPC QPF for the next week indicates rainfall
- \* CPC Long Range Forecasts (i.e. 6-10 Day, 8-14 Day, 1-Month and 3-Month Outlooks) indicate very high chance of above average rainfall for the rest of the dry season
- \* Parts C and D of the 2008 LORS WCP are the operational guidance that provide essential supplementary information to be used in conjunction with other supporting documentation including text within the Water Control Plan.
- \* Decision-Making Process: The decision-making process for Lake Okeechobee water management operations considers all Congressionally-authorized project purposes. The decision-making process to determine quantity, timing, and duration of the potential release from Lake Okeechobee includes consideration of various information related to water management. This information includes but is not necessarily limited to: C&SF Project conditions, historical lake levels, estuary conditions/needs, lake ecology conditions/needs, WCA water levels, STA available capacity, current climate conditions, climate forecasts, hydrologic outlooks, projected lake level rise/recession, and water supply conditions/needs.
- \* Near band and sub-band limits: When operating near band and sub-band limits, up to 30-day forecasts will be made and releases will be scheduled to lower or maintain Lake Okeechobee at the desired level during the 30-day period. Scheduling of releases may include the adjustment of band/sub-band limits when determining the release to implement. Factors considered in adjusting the band/sub-band limits would include but not be limited to: availability of STA treatment capacity, SFWMD designated lands, CERP reservoirs, and the condition of tributary basins. The band/sub-band adjustment is meant to transition into and out of sub-bands by allowing flows to gradually increase or decrease between sub-bands.

REFERENCE:

2008 Lake Okeechobee Regulation Schedule Water Control Plan







Lake Oke Compared to EL [1965-2007] on 17Feb w/o Flows to S-77 and S-308

