# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 8/14/2017 (ENSO Neutral Condition)

## Lake Okeechobee Net Inflow Outlook:

The Lake Okeechobee Net Inflow Outlook has been computed using 4 methods: Croley's method[1], the SFWMD empirical method[2], a sub-sampling of Neutral years[3] and a sub-sampling of warm years of the Atlantic Multi-decadal Oscillation (AMO) in combination with Neutral ENSO years[4]. 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 (Aug-Jan) | N/A | N/A | 2.01 | Very Wet | 2.53 | Very Wet | 3.64 | Very Wet |
| Multi Seasonal (Aug-Apr) | N/A | N/A | 2.21 | Normal | 2.79 | Wet | 3.71 | 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:***

**7917 cfs** 14-day running average for Lake Okeechobee Net Inflow through 8/13/2017.
According to the classification in Tributary Hydrologic Conditions table, this condition is Very Wet.

**-0.37** for Palmer Index on 8/12/2017.
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 8/12/2017

Lake Okeechobee Stage: **13.27 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 | | 16.35 | |
| Operational Band | High sub-band | 15.94 | |
| | Intermediate sub-band | 15.52 | |
| | Low sub-band | 13.69 | |
| Base Flow sub-band | | 12.60 | ← 13.27 |
| Beneficial Use sub-band | | 12.02 | |
| 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-79 up to 450 cfs and S-80 up to 200 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**
- **Environmental Conditions for Systems Operations**

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

## LORS2008 Implementation on 8/14/2017 (ENSO Neutral Condition):

**Status for week ending 8/14/2017:**

District wide, Raindar rainfall was 1.61 inches for the week. Lake stage on 8/14/2017 was 13.27 ft, up 0.18 ft from last week.

The updated August 1 2017 SFWMM Dynamic Position Analysis percentile graph for Lake Okeechobee show that the current lake stage is in the Base Flow 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 | Base Flow Sub Band | M |
| | Palmer Index for LOK Tributary Conditions | -0.37 (Normal) | L |
| | CPC Precipitation Outlook | 1 month: Above Normal | L |
| | | 3 months: Normal | L |
| | LOK Seasonal Net Inflow Outlook | 2.53 ft (Normal) | L |
| | ENSO La Nina Years | | |
| | LOK Multi-Seasonal Net Inflow Outlook | 2.79 ft (Normal) | M |
| | ENSO La Nina Years | | |
| WCAs | WCA 1: Site 1-7, Site 1-8T, & Site 1-9 Average | Above Line 1 (16.59 ft) | L |
| | WCA 2A: Site 2-17 HW | Above Line 1 (13.82 ft) | L |
| | WCA-3A: 3 Station Average (Site 63, 64 and 65) | Above Line 1 (11.10 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 outlooks use slightly different classification intervals than those used by the 2008-LORS.

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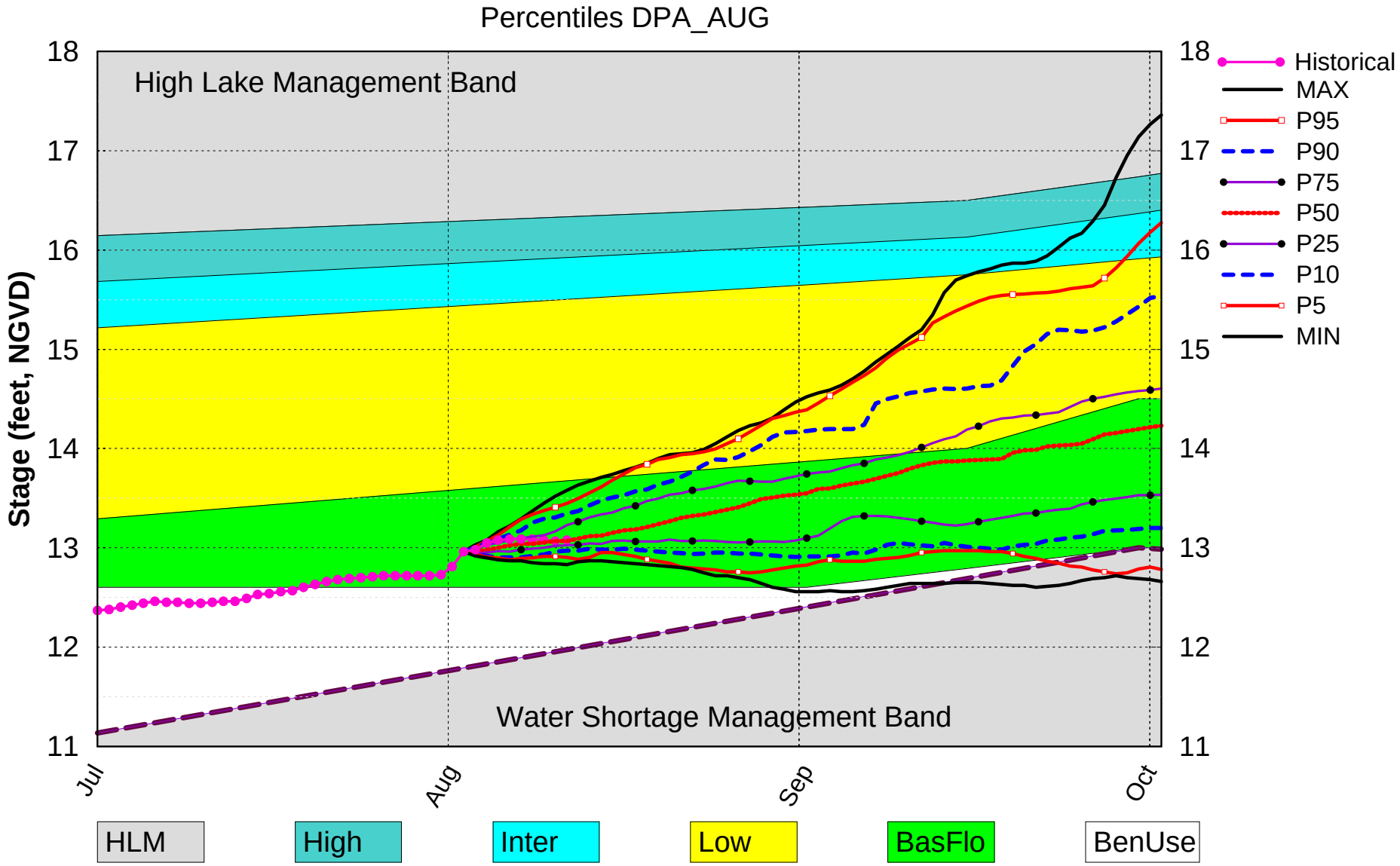
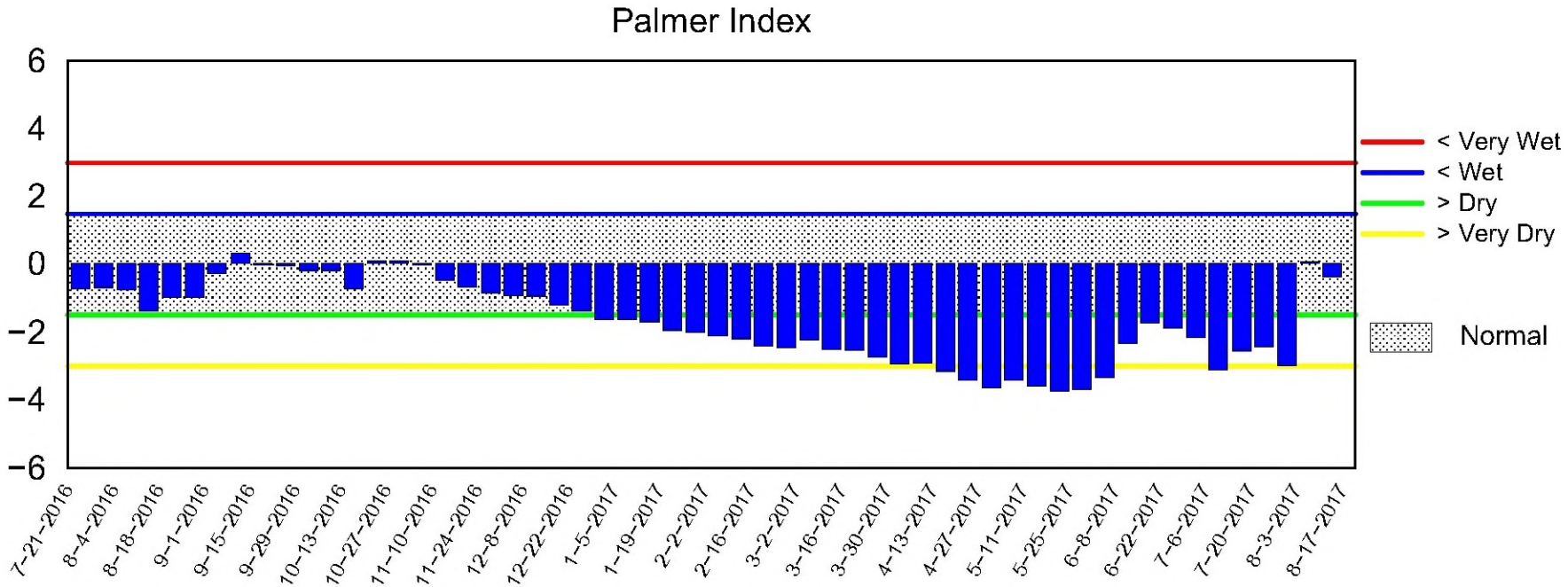
# Lake Okeechobee SFWMM Aug 2017 Dynamic Position Analysis

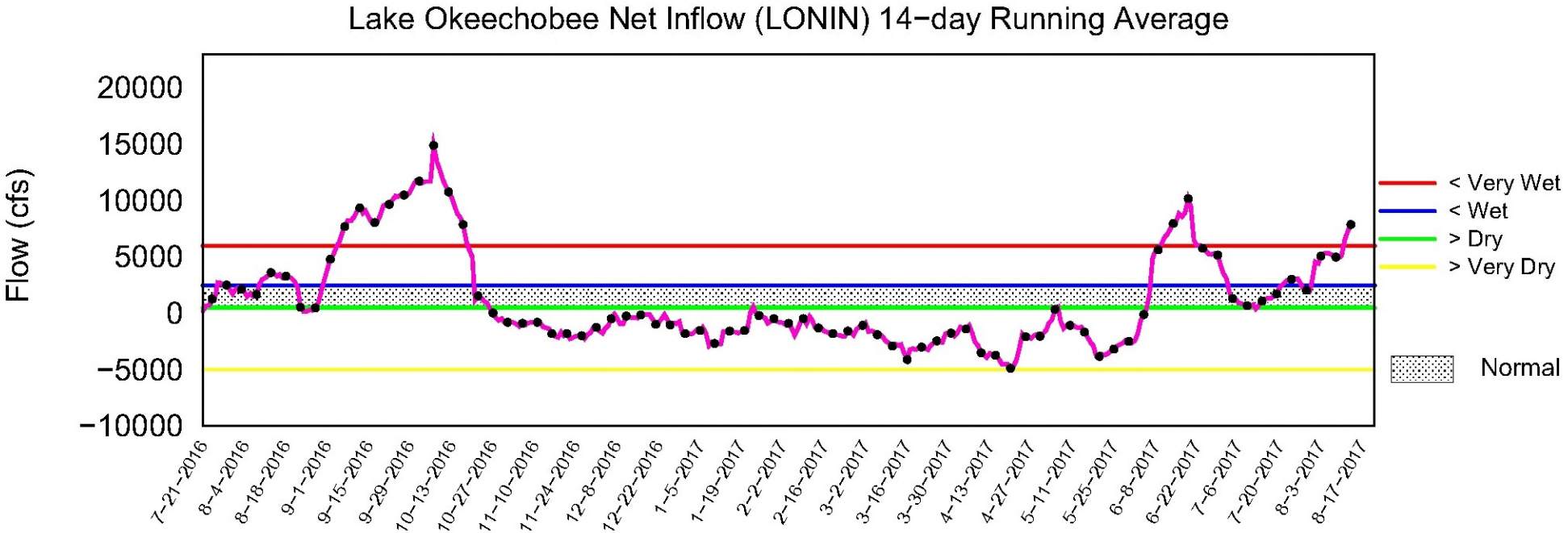



(See assumptions on the Position Analysis Results website)

Mon Aug 14 14:04:52 EDT 2017

# Tributary Basin Condition Indicators as of August 14 2017

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# 2008 LORS

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

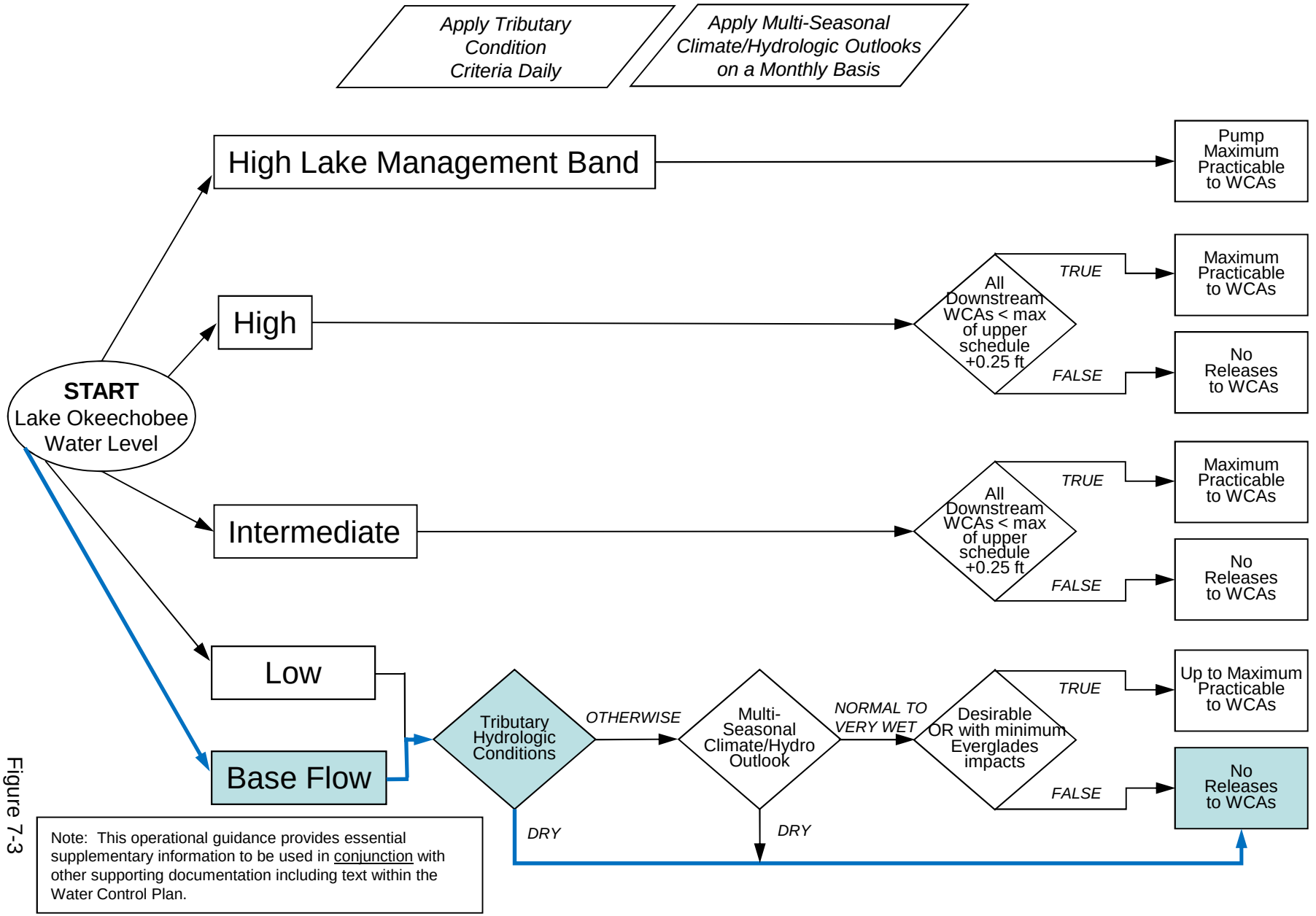



Figure 7-3

# 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*

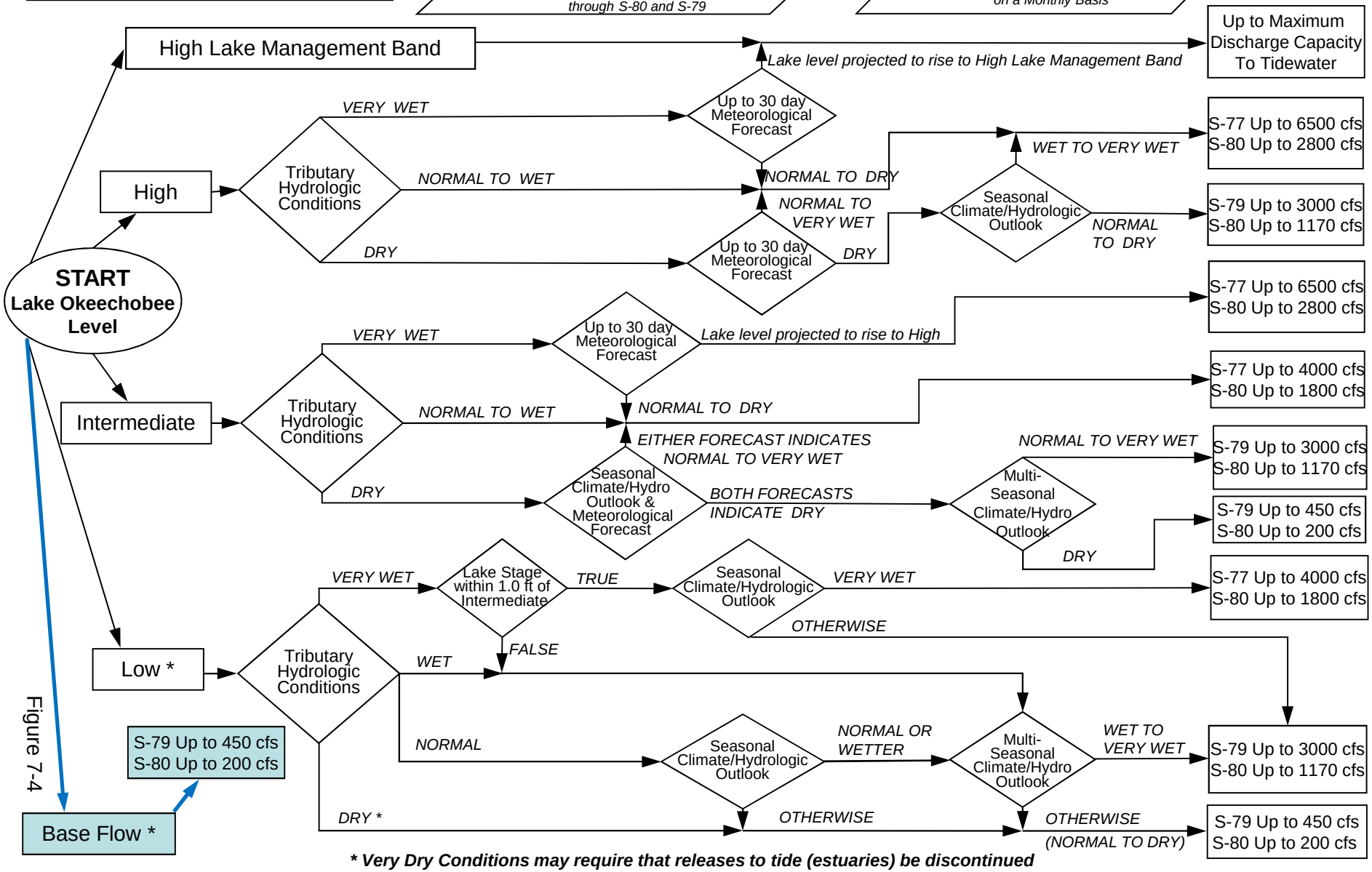
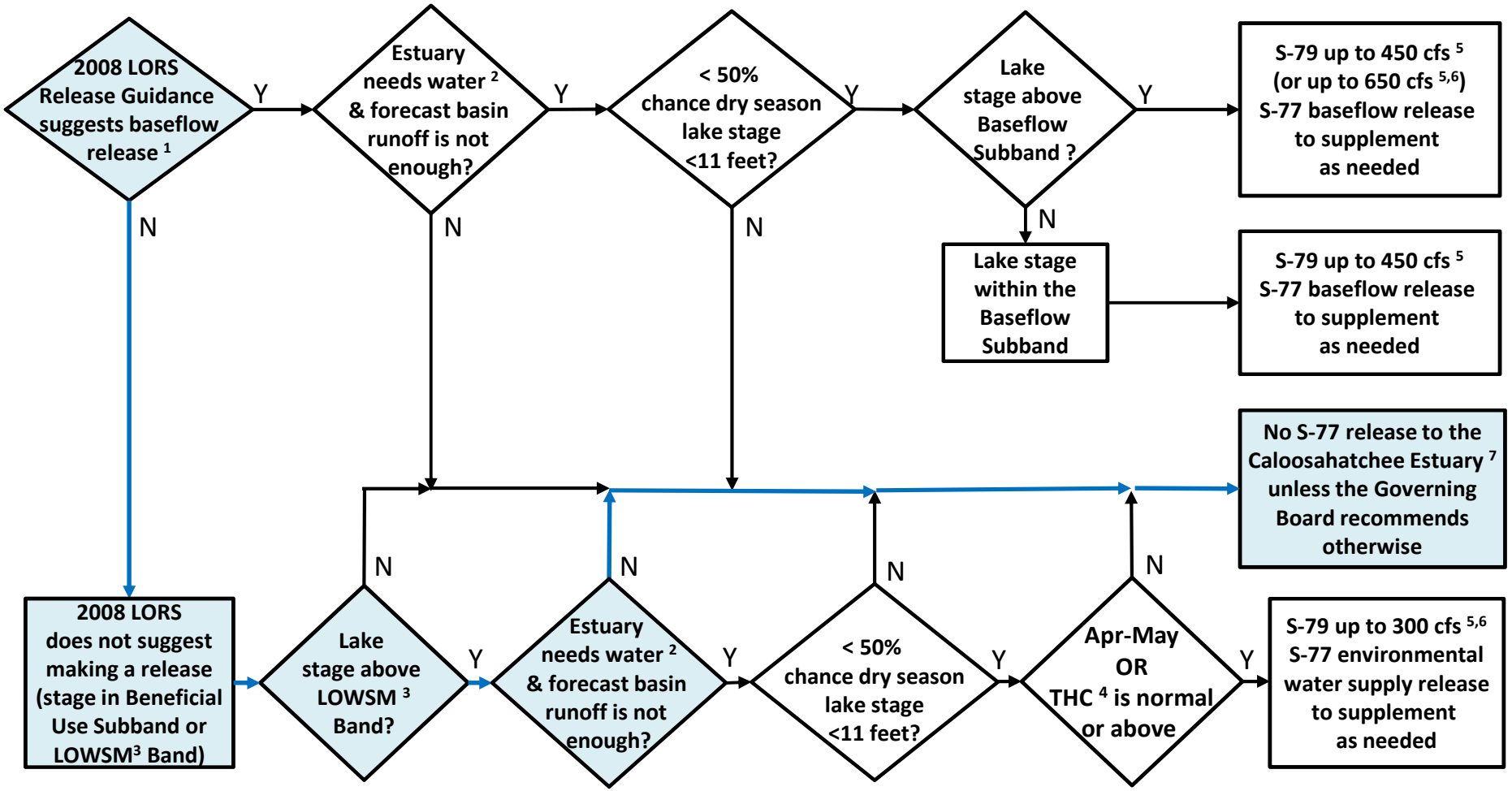



Figure 7-4

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

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




[1]The 2008 LORS Release Guidance (Part D) can suggest baseflow releases in the Intermediate, Low, or Baseflow Subbands.

[2]Estuary "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.

[3]LOWSM = Lake Okeechobee Water Shortage Management.

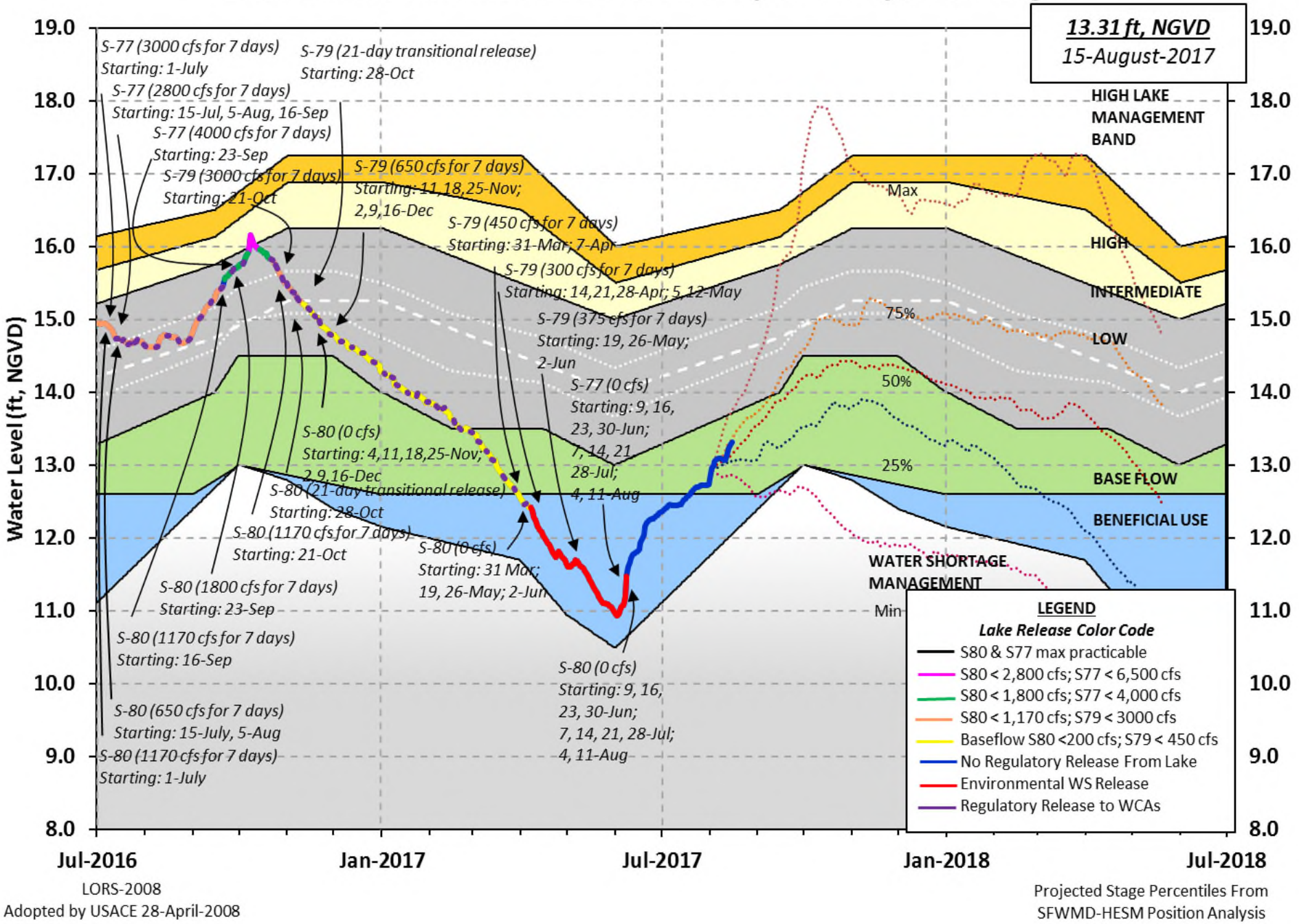
[4]Tributary Hydrologic Condition (THC) is based on classification of Lake Okeechobee Net Inflow and Palmer Index.

[5]Can release less than the "up to" limit if lower release is sufficient to reach or sustain desired estuary salinity; cfs = cubic feet per second.

[6]After reviewing conditions in Water Conservation Areas (WCAs), Stormwater Treatment Areas (STAs), ENP, St. Lucie Estuary and Lake Okeechobee.

[7]Should 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




LORS-2008
Adopted by USACE 28-April-2008

Projected Stage Percentiles From
SFWMD-HESM Position Analysis

U. S. Army Corps of Engineers, Jacksonville District
Lake Okeechobee and Vicinity Report
** Preliminary Data - Subject to Revision **

Data Ending 2400 hours 13 AUG 2017

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| Okeechobee Lake Regulation | Elevation (ft-NGVD) | Last Year (ft-NGVD) | 2YRS Ago (ft-NGVD) |
|---|---|---|---|
| *Okeechobee Lake Elevation | 13.27 | 14.78 | 12.29 (Official Elv) |

Bottom of High Lake Mngmt= 16.34 Top of Water Short Mngmt= 12.01
Currently in Operational Management Band

Simulated Average LORS2008 [1965-2000] 12.91
Difference from Average LORS2008 0.36

13AUG (1965-2007) Period of Record Average 13.95
Difference from POR Average -0.68

Today Lake Okeechobee elevation is determined from the 4 Int & 4 Edge stations

++Navigation Depth (Based on 2007 Channel Condition Survey) Route 1 ÷ 7.21'
++Navigation Depth (Based on 2008 Channel Condition Survey) Route 2 ÷ 5.41'
Bridge Clearance = 50.00'

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4 Interior and 4 Edge Okeechobee Lake Average (Avg-Daily values):

| L001 | L005 | L006 | LZ40 | S4 | S352 | S308 | S133 |
|---|---|---|---|---|---|---|---|
| 13.16 | 13.30 | 13.30 | 13.26 | 13.29 | 13.44 | 13.21 | 13.21 |

*Combination Okeechobee Avg-Daily Lake Average = 13.27 (*See Note)

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Okeechobee Inflows (cfs):

| | | | | | |
|---|---|---|---|---|---|
| S65E | 0 | S65EX1 | 2043 | Fisheating Cr | 539 |
| S154 | 64 | S191 | 195 | S135 Pumps | 0 |
| S84 | 15 | S133 Pumps | 0 | S2 Pumps | 0 |
| S84X | 610 | S127 Pumps | 0 | S3 Pumps | 0 |
| S71 | 164 | S129 Pumps | 0 | S4 Pumps | 0 |
| S72 | 24 | S131 Pumps | 0 | C5 | 0 |

Total Inflows: 3655

Okeechobee Outflows (cfs):

| | | | | | |
|---|---|---|---|---|---|
| S135 Culverts | -NR- | S354 | 0 | S77 | 3 |
| S127 Culverts | 0 | S351 | 0 | S308 | -266 |
| S129 Culverts | 0 | S352 | 0 | | |
| S131 Culverts | 0 | L8 Canal Pt | 24 | | |

Total Outflows: -239

****S77 structure flow is being used to compute Total Outflow.
****S308 below flow meter is being used to compute Total Outflow.

Okeechobee Pan Evaporation (inches):
  S77  0.00  S308  0.15
  Average Pan Evap x 0.75 Pan Coefficient =  0.06" =  0.00'

Lake Average Precipitation using NEXRAD: =  -NR-" =  -NR-'

Evaporation - Precipitation:  =  -NR-" =  -NR-'
Evaporation - Precipitation using Lake Area of 730 square miles
  is equal to  -NR-
Lake Okeechobee (Change in Storage) Flow is  10588 cfs or  21000 AC-FT

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

| | Headwater Elevation (ft-msl) | Tailwater Elevation (ft-msl) | Disch (cfs) | Gate Positions #1 (ft) | #2 (ft) | #3 (ft) | #4 (ft) | #5 (ft) | #6 (ft) | #7 (ft) | #8 (ft) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | (I) see note at bottom | | | | | | | | | |
| North East Shore | | | | | | | | | | | | |
| S133 Pumps: | 13.22 | 13.44 | 0 | 0 | 0 | 0 | 0 | 0 | | | | (cfs) |
| S193: | | | | | | | | | | | | |
| S191: | 18.91 | 13.38 | 195 | 0.0 | 0.5 | 0.0 | | | | | | |
| S135 Pumps: | 13.43 | 13.20 | 0 | 0 | 0 | 0 | 0 | | | | | (cfs) |
| S135 Culverts: | | | -NR- | -NR- | -NR- | | | | | | | |
| North West Shore | | | | | | | | | | | | |
| S65E: | 21.03 | 13.28 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| S65EX1: | 21.03 | 13.28 | 2043 | | | | | | | | | |
| S127 Pumps: | 13.40 | 13.25 | 0 | 0 | 0 | 0 | 0 | 0 | | | | (cfs) |
| S127 Culvert: | | | 0 | 0.0 | | | | | | | | |
| S129 Pumps: | 13.06 | 13.43 | 0 | 0 | 0 | 0 | | | | | | (cfs) |
| S129 Culvert: | | | 0 | 0.0 | | | | | | | | |
| S131 Pumps: | 12.96 | 13.25 | 0 | 0 | 0 | | | | | | | (cfs) |
| S131 Culvert: | | | 0 | | | | | | | | | |
| Fisheating Creek nr Palmdale | | 32.27 | 539 | | | | | | | | | |
| nr Lakeport C5: | | -NR- | 0 | -NR- | -NR- | -NR- | | | | | | |
| South Shore | | | | | | | | | | | | |
| S4 Pumps: | 12.70 | 13.69 | 0 | 0 | 0 | 0 | | | | | | (cfs) |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| S169: | 13.57 | 12.70 | 0 | 0.0 | 0.0 | 0.0 | | | | |
| S310: | 13.00 | | -3 | | | | | | | |
| S3 Pumps: | 9.70 | 13.58 | 0 | 0 | 0 | 0 | | | | (cfs) |
| S354: | 13.58 | 9.70 | 0 | 0.0 | 0.0 | | | | | |
| S2 Pumps: | 9.39 | 13.44 | 0 | 0 | 0 | 0 | 0 | | | (cfs) |
| S351: | 13.44 | 9.39 | 0 | 0.0 | 0.0 | 0.0 | | | | |
| S352: | 13.19 | 9.27 | 0 | 0.0 | 0.0 | | | | | |
| C10A: | -NR- | 13.26 | | 8.0 | 8.0 | 8.0 | 0.0 | 0.0 | | |
| L8 Canal PT | | 13.48 | 24 | | | | | | | |

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S351 and S352 Temporary Pumps/S354 Spillway

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| S351: | 9.39 | 13.44 | 0 | -NR- | -NR- | -NR- | -NR- | -NR- | -NR- | |
| S352: | 9.27 | 13.19 | 0 | -NR- | -NR- | -NR- | -NR- | | | |
| S354: | 9.70 | 13.58 | 0 | -NR- | -NR- | -NR- | -NR- | | | |

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Caloosahatchee River (S77, S78, S79)

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| S47B: | 13.62 | 11.23 | | 0.0 | 0.0 | | | | | |
| S47D: | 11.23 | 11.22 | 31 | 6.5 | | | | | | |
| S77: | | | | | | | | | | |
| Spillway and Sector Flow: | | | | | | | | | | |
| | 13.46 | 11.33 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | | | |
| Flow Due to Lockages+: | | | 3 | | | | | | | |
| S77 Below USGS Flow Gage | | | 304 | | | | | | | |
| S78: | | | | | | | | | | |
| Spillway and Sector Flow: | | | | | | | | | | |
| | 11.10 | 3.48 | 881 | 2.0 | 0.0 | 0.0 | 2.0 | | | |
| Flow Due to Lockages+: | | | 11 | | | | | | | |
| S79: | | | | | | | | | | |
| Spillway and Sector Flow: | | | | | | | | | | |
| | 3.18 | 1.49 | 1755 | 1.0 | 1.0 | 1.0 | 1.5 | 1.0 | 1.0 | 1.0 |
| 1.0 | | | | | | | | | | |
| Flow Due to Lockages+: | | | 10 | | | | | | | |
| Percent of flow from S77 | | | 0% | | | | | | | |
| Chloride | (ppm) | | 81 | | | | | | | |

St. Lucie Canal (S308, S80)

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| S308: | | | | | | | | | | |
| Spillway and Sector Flow: | | | | | | | | | | |
| | 13.21 | 13.50 | ****** | 2.2 | 2.3 | 2.3 | 2.3 | | | |
| Flow Due to Lockages+: | | | 0 | | | | | | | |
| S308 Below USGS Flow Gage | | | -266 | | | | | | | |
| S153: | 18.73 | 13.03 | 164 | 0.4 | 0.0 | | | | | |
| S80: | | | | | | | | | | |
| Spillway and Sector Flow: | | | | | | | | | | |
| | 13.51 | 0.07 | 0 | -NR- | -NR- | -NR- | -NR- | -NR- | -NR- | -NR- |
| Flow Due to Lockages+: | | | 13 | | | | | | | |
| 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.

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| Daily Precipitation Totals | 1-Day (inches) | 3-Day (inches) | 7-Day (inches) | ----- Wind ----- Direction (Degø) | Speed (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 | 1.10 | 2.24 | 213 | 0 |
| S78: | 0.02 | 1.43 | 1.49 | 160 | 3 |
| S79: | 0.00 | 0.22 | 1.32 | 222 | 5 |
| 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: | 0.16 | 0.32 | 0.43 | 86 | 2 |
| S80: | 0.00 | 0.00 | 0.96 | 0 | 0 |
| Okeechobee Average (Sites S78, S79 and S80 not included) | 0.08 | 0.11 | 0.21 | | |
| Oke Nexrad Basin Avg | -NR- | 0.00 | 0.73 | | |

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| Okeechobee Lake Elevations | 13 AUG 2017 | 13.27 Difference from 13AUG17 |
|---|---|---|
| 13AUG17 -1 Day = | 12 AUG 2017 | 13.22 -0.05 |
| 13AUG17 -2 Days = | 11 AUG 2017 | 13.17 -0.10 |
| 13AUG17 -3 Days = | 10 AUG 2017 | 13.08 -0.19 |
| 13AUG17 -4 Days = | 09 AUG 2017 | 13.07 -0.20 |
| 13AUG17 -5 Days = | 08 AUG 2017 | 13.08 -0.19 |
| 13AUG17 -6 Days = | 07 AUG 2017 | 13.09 -0.18 |
| 13AUG17 -7 Days = | 06 AUG 2017 | 13.09 -0.18 |
| 13AUG17 -30 Days = | 14 JUL 2017 | 12.53 -0.74 |
| 13AUG17 -1 Year = | 13 AUG 2016 | 14.78 1.51 |
| 13AUG17 -2 Year = | 13 AUG 2015 | 12.29 -0.98 |

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Long Term Mean 30day Avearge ET for Lake Alfred (Inches) = 4.42

Lake Okeechobee Net Inflow (LONIN)

| | | Average Flow over the previous 14 days | | | Avg-Daily Flow |
|---|---|---|---|---|---|
| 13AUG17 | Today = | 13 AUG 2017 | 8118 | MON | 10612 |
| 13AUG17 | -1 Day = | 12 AUG 2017 | 7502 | SUN | 10588 |
| 13AUG17 | -2 Days = | 11 AUG 2017 | 6760 | SAT | 19295 |
| 13AUG17 | -3 Days = | 10 AUG 2017 | 5396 | FRI | 2766 |
| 13AUG17 | -4 Days = | 09 AUG 2017 | 5199 | THU | -1139 |
| 13AUG17 | -5 Days = | 08 AUG 2017 | 5280 | WED | -1100 |
| 13AUG17 | -6 Days = | 07 AUG 2017 | 5771 | TUE | 612 |
| 13AUG17 | -7 Days = | 06 AUG 2017 | 6201 | MON | 116 |
| 13AUG17 | -8 Days = | 05 AUG 2017 | 6364 | SUN | 2373 |
| 13AUG17 | -9 Days = | 04 AUG 2017 | 6326 | SAT | 6353 |
| 13AUG17 | -10 Days = | 03 AUG 2017 | 6116 | FRI | 14520 |
| 13AUG17 | -11 Days = | 02 AUG 2017 | 5385 | THU | 3933 |
| 13AUG17 | -12 Days = | 01 AUG 2017 | 5536 | WED | 29040 |
| 13AUG17 | -13 Days = | 31 JUL 2017 | 3608 | TUE | 15680 |

S65E

| | | Average Flow over previous 14 days | | | Avg-Daily Flow |
|---|---|---|---|---|---|
| 13AUG17 | Today= | 13 AUG 2017 | 50 | MON | 0 |
| 13AUG17 | -1 Day = | 12 AUG 2017 | 50 | SUN | 0 |
| 13AUG17 | -2 Days = | 11 AUG 2017 | 50 | SAT | 0 |
| 13AUG17 | -3 Days = | 10 AUG 2017 | 50 | FRI | 0 |
| 13AUG17 | -4 Days = | 09 AUG 2017 | 50 | THU | 0 |
| 13AUG17 | -5 Days = | 08 AUG 2017 | 50 | WED | 0 |
| 13AUG17 | -6 Days = | 07 AUG 2017 | 50 | TUE | 0 |
| 13AUG17 | -7 Days = | 06 AUG 2017 | 50 | MON | 0 |
| 13AUG17 | -8 Days = | 05 AUG 2017 | 50 | SUN | 0 |
| 13AUG17 | -9 Days = | 04 AUG 2017 | 50 | SAT | 265 |
| 13AUG17 | -10 Days = | 03 AUG 2017 | 31 | FRI | 432 |
| 13AUG17 | -11 Days = | 02 AUG 2017 | 0 | THU | 0 |
| 13AUG17 | -12 Days = | 01 AUG 2017 | 0 | WED | 0 |
| 13AUG17 | -13 Days = | 31 JUL 2017 | 0 | TUE | 0 |

S65EX1

| | | Average Flow over previous 14 days | | | Avg-Daily Flow |
|---|---|---|---|---|---|
| 13AUG17 | Today= | 13 AUG 2017 | 2210 | MON | 2043 |
| 13AUG17 | -1 Day = | 12 AUG 2017 | 2153 | SUN | 2021 |
| 13AUG17 | -2 Days = | 11 AUG 2017 | 2098 | SAT | 2095 |
| 13AUG17 | -3 Days = | 10 AUG 2017 | 2038 | FRI | 2123 |
| 13AUG17 | -4 Days = | 09 AUG 2017 | 1977 | THU | 2248 |
| 13AUG17 | -5 Days = | 08 AUG 2017 | 1912 | WED | 2405 |
| 13AUG17 | -6 Days = | 07 AUG 2017 | 1874 | TUE | 2472 |
| 13AUG17 | -7 Days = | 06 AUG 2017 | 1824 | MON | 2642 |
| 13AUG17 | -8 Days = | 05 AUG 2017 | 1722 | SUN | 2772 |
| 13AUG17 | -9 Days = | 04 AUG 2017 | 1610 | SAT | 2596 |
| 13AUG17 | -10 Days = | 03 AUG 2017 | 1509 | FRI | 2425 |
| 13AUG17 | -11 Days = | 02 AUG 2017 | 1425 | THU | 1995 |
| 13AUG17 | -12 Days = | 01 AUG 2017 | 1363 | WED | 1759 |

13AUG17 -13 Days = 31 JUL 2017 1317 TUE | 1343

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Lake Okeechobee Outlets Last 14 Days

| DATE | S-77 Discharge (ALL DAY) (AC-FT) | Below S-77 Discharge (ALL-DAY) (AC-FT) | S-78 Discharge (ALL DAY) (AC-FT) | S-79 Discharge (ALL DAY) (AC-FT) |
|---|---|---|---|---|
| 13 AUG 2017 | 6 | 604 | 1804 | 3633 |
| 12 AUG 2017 | 8 | 185 | 827 | 2230 |
| 11 AUG 2017 | 251 | 510 | 13 | 2078 |
| 10 AUG 2017 | 215 | 106 | 14 | 665 |
| 09 AUG 2017 | 4 | -231 | 182 | 1594 |
| 08 AUG 2017 | 195 | 514 | 789 | 2551 |
| 07 AUG 2017 | 178 | 233 | 1256 | 3762 |
| 06 AUG 2017 | 3 | 194 | 1491 | 3679 |
| 05 AUG 2017 | 8 | 383 | 1625 | 5866 |
| 04 AUG 2017 | 5 | 916 | 3020 | 6664 |
| 03 AUG 2017 | 2 | 934 | 3861 | 8805 |
| 02 AUG 2017 | 0 | 590 | 2566 | 6760 |
| 01 AUG 2017 | 3 | 234 | 2075 | 6746 |
| 31 JUL 2017 | 2 | -26 | 1952 | 6679 |

| 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) |
|---|---|---|---|---|---|
| 13 AUG 2017 | -5 | 0 | 0 | 0 | 48 |
| 12 AUG 2017 | -48 | 0 | 0 | 0 | -49 |
| 11 AUG 2017 | -43 | 0 | 0 | 0 | 217 |
| 10 AUG 2017 | 4 | 0 | 724 | 0 | 307 |
| 09 AUG 2017 | 3 | 0 | 1491 | 0 | 292 |
| 08 AUG 2017 | 20 | 0 | 1378 | 0 | 277 |
| 07 AUG 2017 | -75 | 0 | 694 | 0 | 234 |
| 06 AUG 2017 | -168 | 0 | 0 | 0 | 231 |
| 05 AUG 2017 | -304 | 0 | 284 | 0 | 164 |
| 04 AUG 2017 | -390 | 0 | 0 | 0 | -176 |
| 03 AUG 2017 | -425 | 0 | 0 | 0 | -210 |
| 02 AUG 2017 | -453 | 0 | 0 | 0 | -415 |
| 01 AUG 2017 | -590 | 0 | 0 | 0 | -499 |
| 31 JUL 2017 | -387 | 0 | 0 | 0 | -164 |

| DATE | S-308 Discharge (ALL DAY) (AC-FT) | Below S-308 Discharge (ALL-DAY) (AC-FT) | S-80 Discharge (ALL-DAY) (AC-FT) |
|---|---|---|---|
| 13 AUG 2017 | -1445 | -528 | 26 |
| 12 AUG 2017 | -771 | -309 | 43 |
| 11 AUG 2017 | -299 | -324 | 40 |
| 10 AUG 2017 | -852 | -107 | 29 |
| 09 AUG 2017 | -404 | -75 | 11 |
| 08 AUG 2017 | -297 | -164 | 14 |
| 07 AUG 2017 | -621 | -264 | 39 |
| 06 AUG 2017 | -889 | -323 | 39 |
| 05 AUG 2017 | -1055 | -457 | 18 |
| 04 AUG 2017 | -1415 | -547 | 36 |

| | | | |
|---|---|---|---|
| 03 AUG 2017 | -1233 | -NR- | 32 |
| 02 AUG 2017 | -1369 | -NR- | 21 |
| 01 AUG 2017 | -1215 | -NR- | 18 |
| 31 JUL 2017 | -875 | -NR- | 11 |

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

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(I) - Flows preceeded 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

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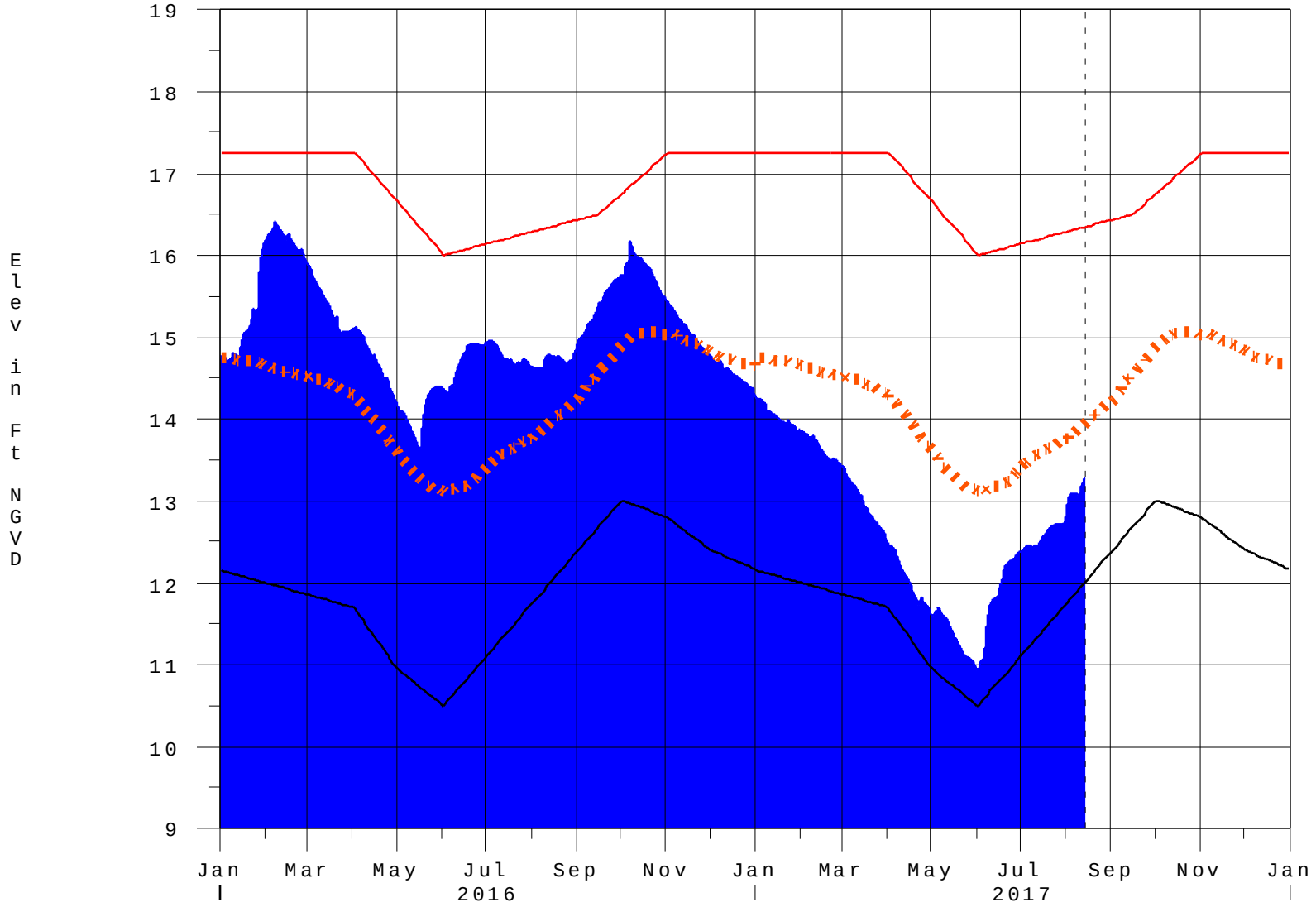
Report Generated 14AUG2017 @ 13:15 ** Preliminary Data - Subject to Revision **

# Lake Okeechobee

14AUG17 13:17:19



# 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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**Back to Lake Okeechobee Operations Main Page**

**Back to U.S. Army Corps of Engineers Lake Okeechobee Operations Homepage**

| Tributary Hydrologic Classification* | Palmer Index Class Limits | 2-wk Mean L.O. Net 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 [million acre-feet] | Equivalent Depth** [feet] | Lake Okeechobee Net Inflow Seasonal Outlook |
|---|---|---|
| > 0.93 | > 2.0 | Very Wet |
| 0.71 to 0.93 | 1.51 to 2.0 | Wet |
| 0.35 to 0.70 | 0.75 to 1.5 | Normal |
| < 0.35 | < 0.75 | Dry |

****Volume-depth conversion based on average lake surface area of 467,000 acres**

## Classification of Lake Okeechobee Net Inflow Multi-Seasonal Outlook*

| **Lake Net Inflow Prediction [million acre-feet]** | **Equivalent Depth** [feet]** | **Lake Okeechobee 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