

# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 4/29/2019 (ENSO Neutral 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 Neutral years<sup>3</sup> and a sub-sampling of warm years of the Atlantic Multi-decadal Oscillation (AMO) in combination with La Nina 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 Neutral ENSO Years <sup>3</sup> |                           | Sub-sampling of AMO Warm + Neutral 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 (Apr-Sep)        | N/A                           | N/A                       | 1.70                                | Wet                       | 2.08  | Very Wet                  | 2.70   | Very Wet                  |
| Multi Seasonal (Apr-Oct) | N/A                           | N/A                       | 2.25                                | Normal                    | 2.65  | Wet                       | 3.75   | 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.

\*\*Sub-sampling is a weighted average of ENSO conditions based on the ENSO forecast used.

### [Tributary Hydrologic Conditions Graph:](#)

**-2303 cfs** 14-day running average for Lake Okeechobee Net Inflow through 4/28/2019. According to the classification in [Tributary Hydrologic Conditions](#) table, this condition is Dry.

**-0.91** for Palmer Index on 4/27/2019.

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

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

### [LORS2008 Classification Tables:](#)

#### **Lake Okeechobee Stage on 4/29/2019**

Lake Okeechobee Stage: **11.28 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            |                       | 16.70                         |                    |
| Operational Band                     | High sub-band         | 16.06                         |                    |
|                                      | Intermediate sub-band | 15.27                         |                    |
|                                      | Low sub-band          | 13.36                         |                    |
| Base Flow sub-band                   |                       | 12.60                         |                    |
| Beneficial Use sub-band              |                       |                               | ← 11.28            |
| Water Shortage Management Band       |                       | 11.10                         |                    |

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

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

### **Part D of LORS2008: Discharge to Tidewater**

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

### **Adaptive Protocol's Release Guidance: Caloosahatchee Estuary**

Release Guidance Flow Chart Outcome: No releases.

**[Back to Lake Okeechobee Operations Main Page](#)**

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

## **LORS2008 Implementation on 04/29/2019 (ENSO El Niño Condition):**

### **Status for week ending 04/29/2019:**

District wide, Raindar rainfall was 0.03 inches for the week. Lake stage on 04/29/2019 was 11.28 ft, NGVD, down 0.22 ft from last week. The updated April 2019 SFWMM Dynamic Position Analysis [percentile graph](#) for Lake Okeechobee show that the current lake stage is in the Beneficial Use Sub-band. The LORS2008 Tributary Hydrologic Conditions (THC) are classified as **Normal**. The PDSI indicates normal conditions and the LONIN is dry. The THC classification is based on the wetter of the two [indices](#)

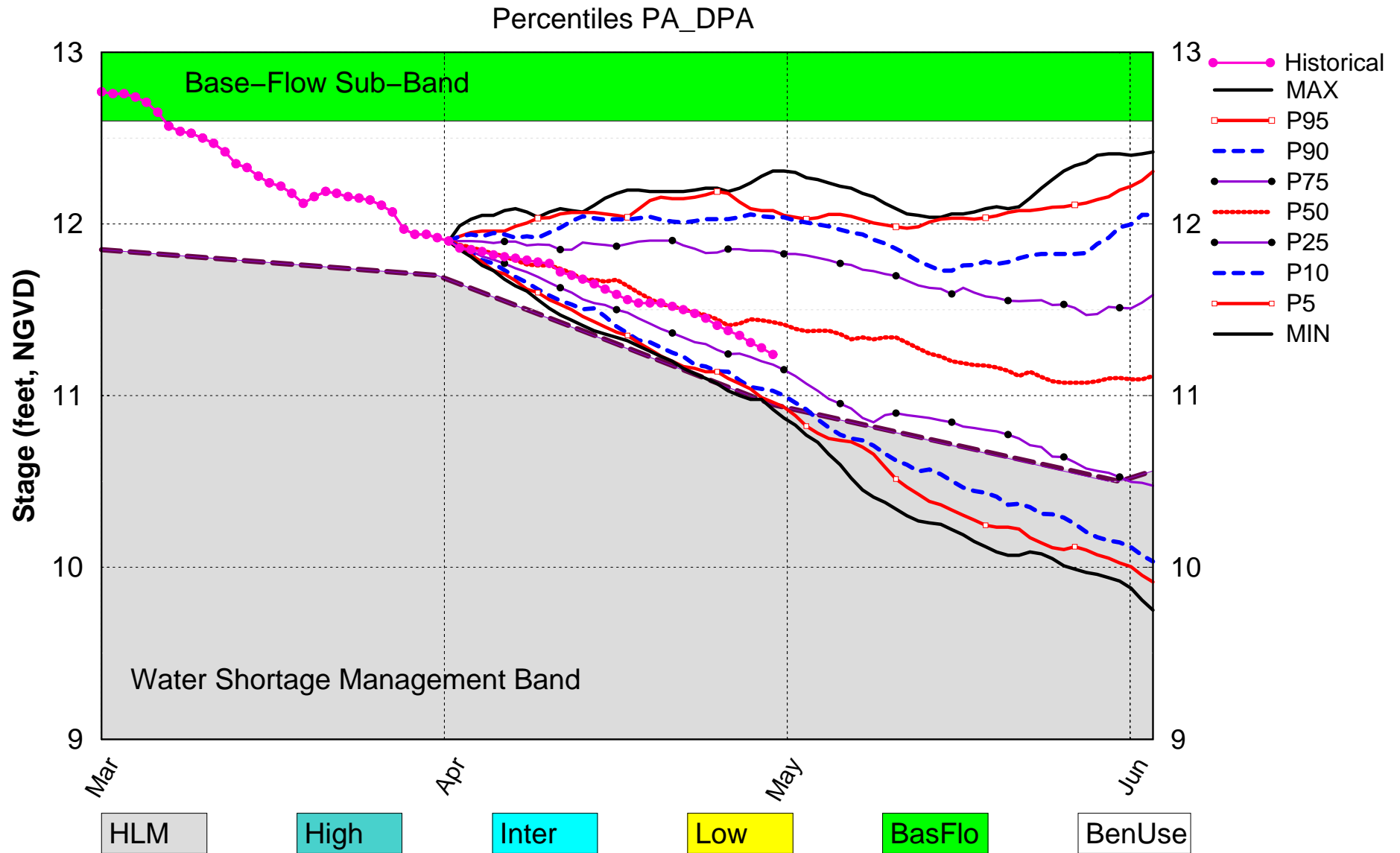
### **Water Supply Risk Evaluation**

| Area | Indicator                                       | Value                                | Color Coded Scoring Scheme |
|------|---|--------------------------------------|----------------------------|
| LOK  | Projected LOK Stage for the next two months     | Beneficial Use Sub-Band              | H                          |
|      | Palmer Index for LOK Tributary Conditions       | -0.91<br>(Normal)                    | L                          |
|      | CPC Precipitation Outlook                       | 1 month: Above Normal                | L                          |
|      |   | 3 months: Above Normal               | L                          |
|      | LOK Seasonal Net Inflow Outlook                 | 2.08 ft                              | L                          |
|      | ENSO Forecast (positive)                        | (Normal to Extremely Wet)            |                            |
|      | LOK Multi-Seasonal Net Inflow Outlook           | 2.65 ft (Normal)                     | M                          |
|      | ENSO Forecast (positive)                        |                                      |                            |
| WCAs | WCA 1: Site 1-8C                                | Above Line 1 (15.83 ft)              | L                          |
|      | WCA 2A: Site 2-17 HW                            | Above Line 1 (11.72 ft)              | L                          |
|      | WCA-3A: 3 Station Average (Site 63, 64, and 65) | Above Line 1 (9.16 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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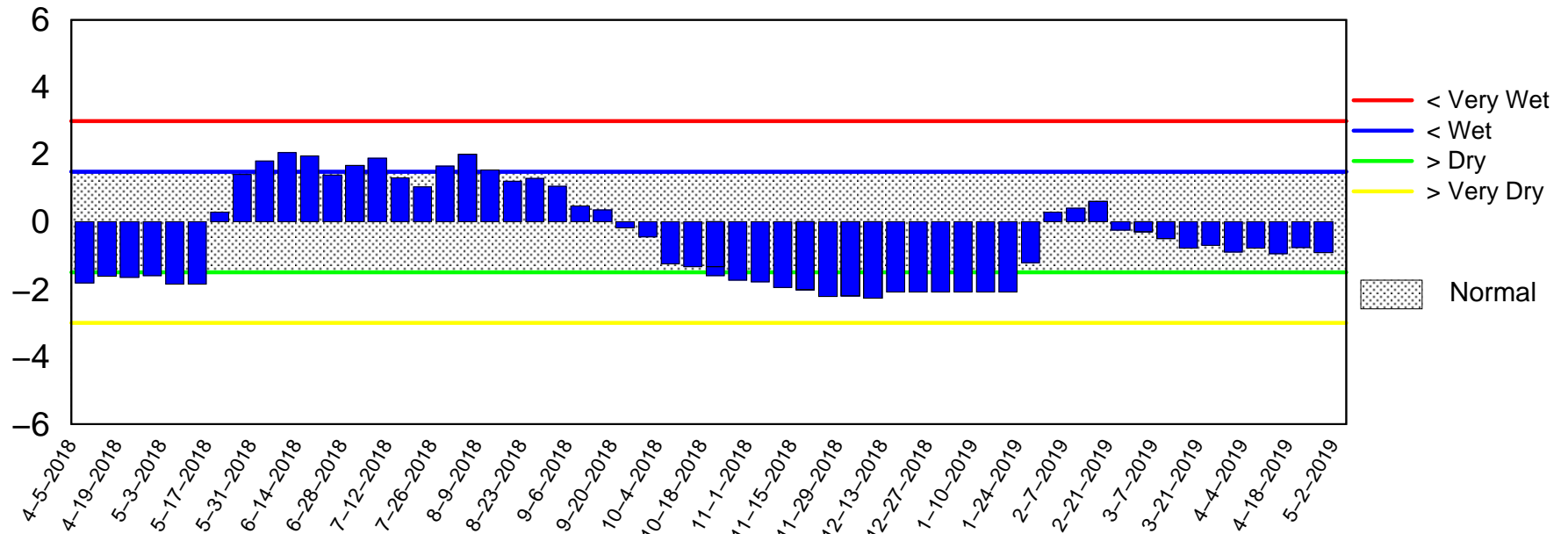
# Lake Okeechobee SFWMM Apr 2019 Position Analysis



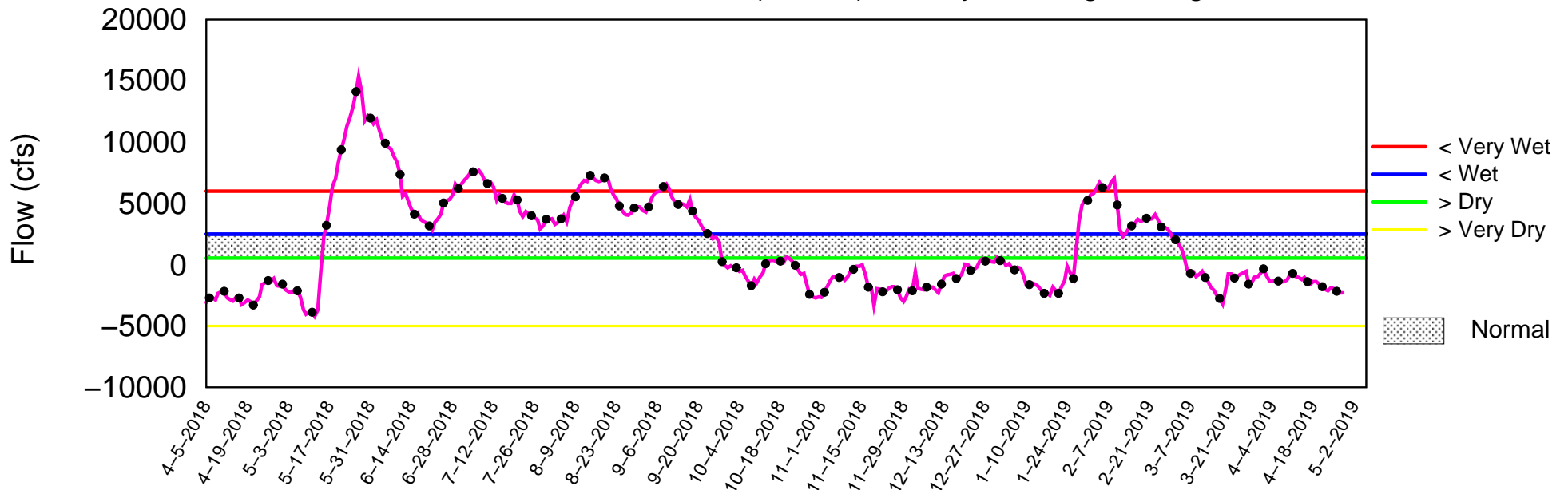
(See assumptions on the Position Analysis Results website)

# Tributary Basin Condition Indicators as of April 29 2019

## Palmer Index



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



# 2008 LORS

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

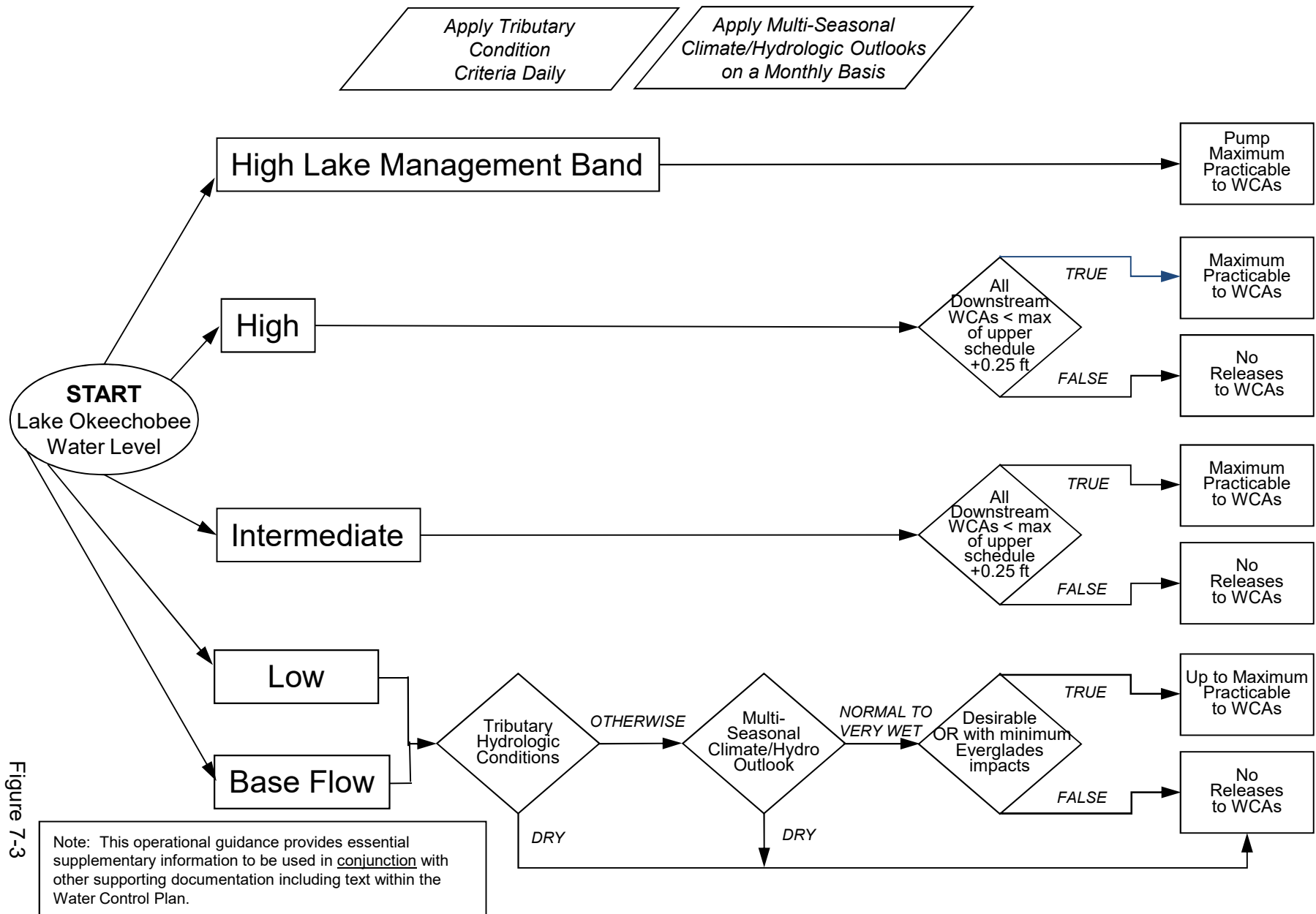


Figure 7-3

# 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

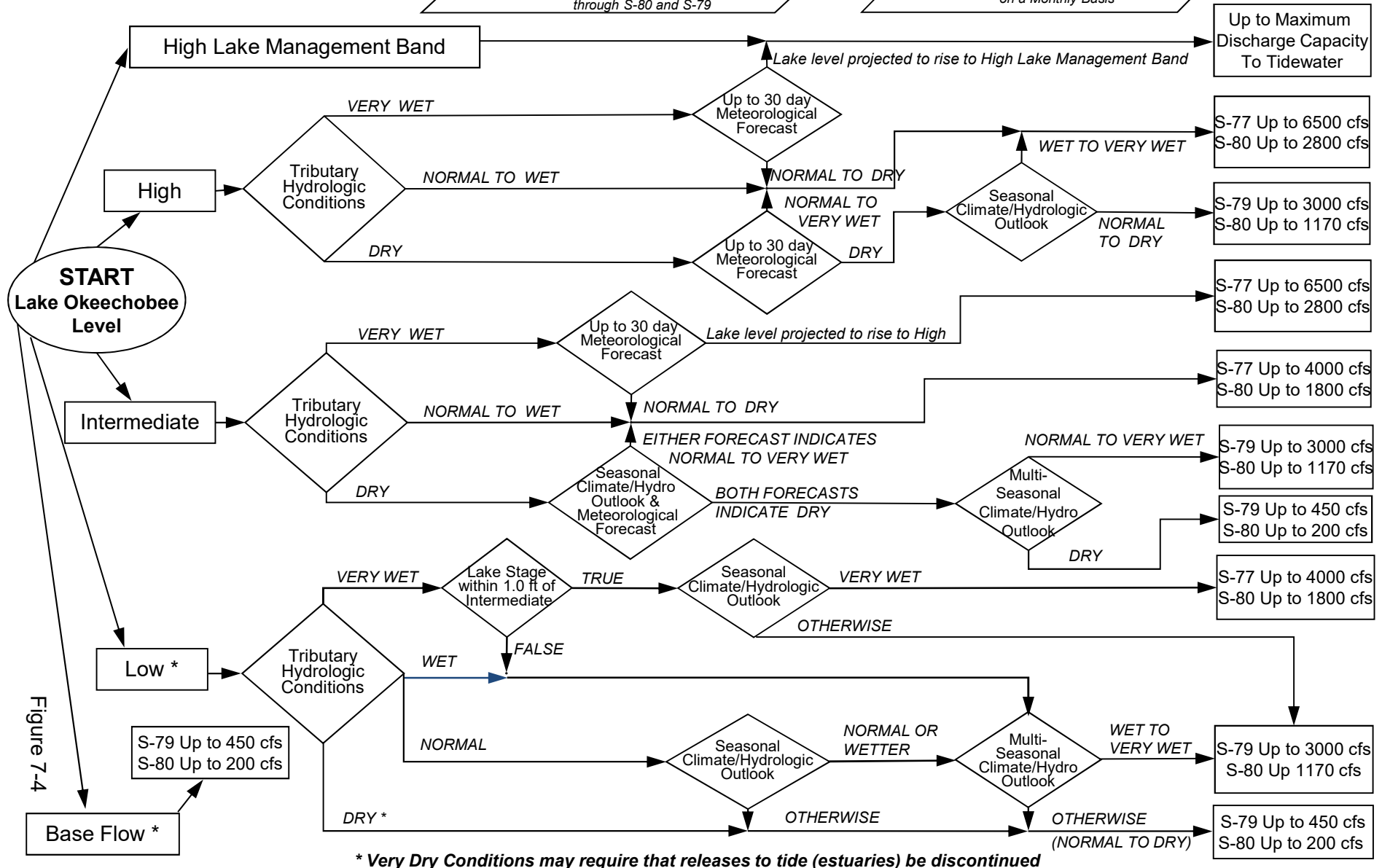
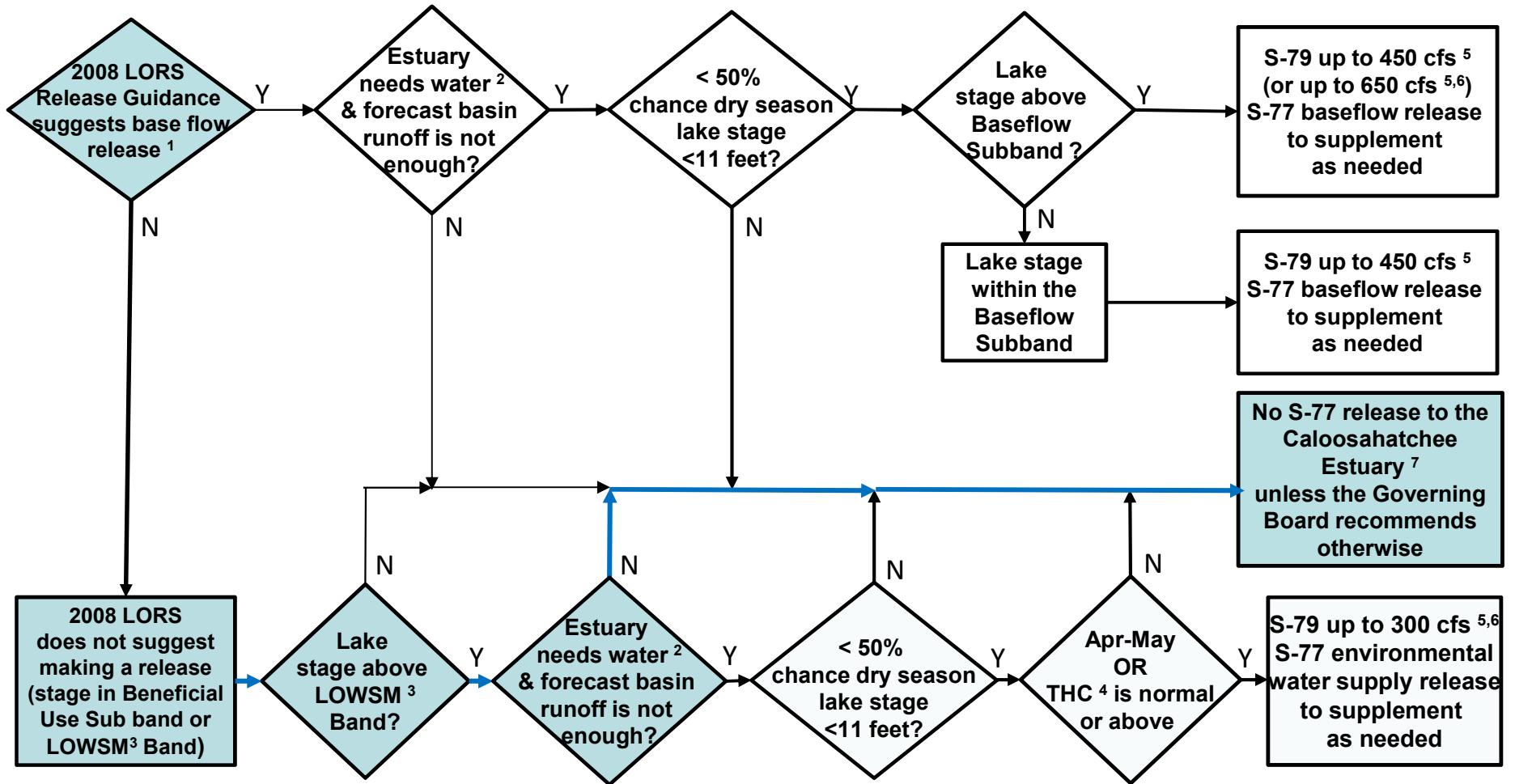


Figure 7-4



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



<sup>1</sup>The 2008 LORS Release Guidance (Part D) can suggest baseflow releases in the Intermediate, Low, or Baseflow Subbands.

<sup>2</sup>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.

<sup>3</sup>LOWSM = Lake Okeechobee Water Shortage Management.

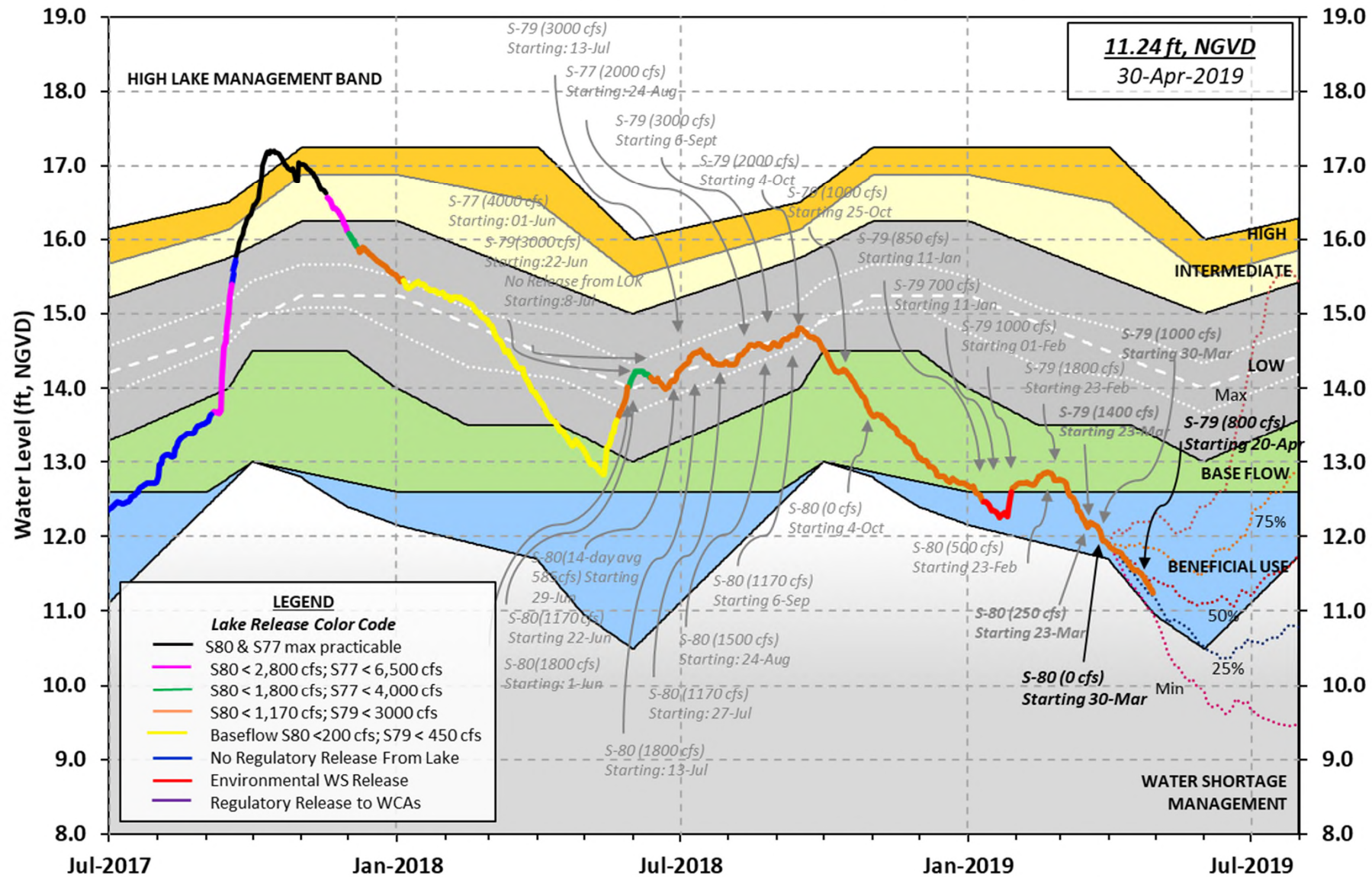
<sup>4</sup>Tributary Hydrologic Condition (THC) is based on classification of Lake Okeechobee Net Inflow and Palmer Index.

<sup>5</sup>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.

<sup>6</sup>After reviewing conditions in Water Conservation Areas (WCAs), Stormwater Treatment Areas (STAs), ENP, St. Lucie Estuary and Lake Okeechobee.

<sup>7</sup>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     28 APR 2019

| Okeechobee Lake Regulation  | Elevation<br>(ft-NGVD) | Last Year<br>(ft-NGVD) | 2YRS Ago<br>(ft-NGVD) |
|---|------------------------|------------------------|-----------------------|
| *Okeechobee Lake Elevation  | 11.28                  | 13.22                  | -NR- (Official Elv)   |
| Bottom of High Lake Mngmt= 16.70    Top of Water Short Mngmt= 11.00 |                        |                        |                       |
| Currently in Operational Management Band                            |                        |                        |                       |

|  |       |
|--|-------|
| Simulated Average LORS2008 [1965-2000] | 12.45 |
| Difference from Average LORS2008       | -1.17 |

|  |       |
|--|-------|
| 28APR (1965-2007) Period of Record Average | 13.67 |
| Difference from POR Average                | -2.39 |

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

++Navigation Depth (Based on 2007 Channel Condition Survey) Route 1 ÷ 5.22'

++Navigation Depth (Based on 2008 Channel Condition Survey) Route 2 ÷ 3.42'

Bridge Clearance = 52.42'

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

|       |       |       |       |       |      |       |       |
|-------|-------|-------|-------|-------|------|-------|-------|
| L001  | L005  | L006  | LZ40  | S4    | S352 | S308  | S133  |
| 11.21 | 11.43 | 11.31 | 11.26 | 11.39 | -NR- | 11.17 | 11.17 |

\*Combination Okeechobee Avg-Daily Lake Average = 11.28  
 (\*See Note)

Okeechobee Inflows (cfs):

|                |     |            |     |               |   |
|----------------|-----|------------|-----|---------------|---|
| S65E           | 0   | S65EX1     | 422 | Fisheating Cr | 8 |
| S154           | 0   | S191       | 0   | S135 Pumps    | 0 |
| S84            | 0   | S133 Pumps | 0   | S2 Pumps      | 0 |
| S84X           | 265 | S127 Pumps | 0   | S3 Pumps      | 0 |
| S71            | 0   | S129 Pumps | 0   | S4 Pumps      | 0 |
| S72            | 0   | S131 Pumps | 0   | C5            | 0 |
| Total Inflows: |     | 695        |     |               |   |

Okeechobee Outflows (cfs):

|   |   |             |      |      |      |
|---|---|-------------|------|------|------|
| S135 Culverts   | 0 | S354        | 533  | S77  | -NR- |
| S127 Culverts   | 0 | S351        | 1101 | S308 | -122 |
| S129 Culverts   | 0 | S352        | 573  |      |      |
| S131 Culverts   | 0 | L8 Canal Pt | 2    |      |      |
| Total Outflows: No Report Due To Missing S77 or S308 Discharge Data |   |             |      |      |      |



|             |       |       |      |     |     |     |     |       |
|-------------|-------|-------|------|-----|-----|-----|-----|-------|
| S3 Pumps:   | 11.15 | 11.30 | 0    | 0   | 0   | 0   |     | (cfs) |
| S354:       | 11.30 | 11.15 | 533  | 2.2 | 2.4 |     |     |       |
| S2 Pumps:   | 10.97 | -NR-  | 0    | 0   | 0   | 0   | 0   | (cfs) |
| S351:       | -NR-  | 10.97 | 1101 | 5.0 | 5.0 | 5.0 |     |       |
| S352:       |       | 11.13 | 573  | 4.9 | 4.9 |     |     |       |
| C10A:       | -NR-  | 11.43 |      | 8.0 | 8.0 | 8.0 | 0.0 | 0.0   |
| L8 Canal PT |       | 11.20 | 2    |     |     |     |     |       |

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S351 and S352 Temporary Pumps/S354 Spillway

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|       |       |       |      |      |      |      |      |      |      |
|-------|-------|-------|------|------|------|------|------|------|------|
| S351: | 10.97 | -NR-  | 1101 | -NR- | -NR- | -NR- | -NR- | -NR- | -NR- |
| S352: | 11.13 |       | 573  | -NR- | -NR- | -NR- | -NR- |      |      |
| S354: | 11.15 | 11.30 | 533  | -NR- | -NR- | -NR- | -NR- |      |      |

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Caloosahatchee River (S77, S78, S79)

|       |       |       |   |     |     |
|-------|-------|-------|---|-----|-----|
| S47B: | 11.44 | 10.93 |   | 0.0 | 0.0 |
| S47D: | 10.98 | 10.98 | 9 | 5.7 |     |

S77:

Spillway and Sector Preferred Flow:

|       |       |      |     |     |     |     |
|-------|-------|------|-----|-----|-----|-----|
| 11.23 | 10.87 | 1024 | 4.5 | 4.5 | 4.5 | 4.5 |
|-------|-------|------|-----|-----|-----|-----|

Flow Due to Lockages+: -NR-

S78:

Spillway and Sector Flow:

|       |      |      |     |     |     |     |
|-------|------|------|-----|-----|-----|-----|
| 10.81 | 2.75 | 1009 | 1.5 | 2.5 | 0.0 | 0.0 |
|-------|------|------|-----|-----|-----|-----|

Flow Due to Lockages+: 17

S79:

Spillway and Sector Flow:

|      |      |      |     |     |     |     |     |     |     |
|------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 2.85 | 1.33 | 1412 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
|------|------|------|-----|-----|-----|-----|-----|-----|-----|

0.0

Flow Due to Lockages+: 12

Percent of flow from S77 73%

Chloride (ppm) 61

St. Lucie Canal (S308, S80)

S308:

Spillway and Sector Preferred Flow:

|       |       |      |     |     |     |     |
|-------|-------|------|-----|-----|-----|-----|
| 11.15 | 11.08 | -122 | 0.0 | 0.0 | 0.0 | 0.0 |
|-------|-------|------|-----|-----|-----|-----|

Flow Due to Lockages+: 0

|       |       |       |   |     |     |
|-------|-------|-------|---|-----|-----|
| S153: | 19.02 | 10.93 | 0 | 0.0 | 0.0 |
|-------|-------|-------|---|-----|-----|

S80:

Spillway and Sector Flow:

|       |      |   |     |     |     |     |     |     |     |
|-------|------|---|-----|-----|-----|-----|-----|-----|-----|
| 11.13 | 0.20 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|-------|------|---|-----|-----|-----|-----|-----|-----|-----|

Flow Due to Lockages+: 21

Percent of flow from S308 NA %

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

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

Speedy Point Top Salinity (mg/ml) \*\*\*\*

Speedy Point Bottom Salinity (mg/ml) \*\*\*\*

+ Flow Due to lockages is computed utilizing average daily headwater and tailwater along with total number of lockages for the day to calculate a volume which is then converted to an average discharge in cfs.  
 ++ Preferred flow is determined from either the spillway discharge or the below flow meter daily

|                                       |          |          |          |                  |      |
|---------------------------------------|----------|----------|----------|------------------|------|
|                                       |          |          |          | ----- Wind ----- |      |
|                                       |          |          |          |                  |      |
| Daily Precipitation Totals            | 1-Day    | 3-Day    | 7-Day    | Direction        |      |
| Speed                                 | (inches) | (inches) | (inches) | (Degø)           |      |
| (mph)                                 |          |          |          |                  |      |
| S133 Pump Station:                    | -NR-     | 0.00     | 0.00     |                  |      |
| S193:                                 | -NR-     | 0.00     | 0.00     | -NR-             | -NR- |
| Okeechobee Field Station:             | -NR-     | 0.00     | 0.00     |                  |      |
| S135 Pump Station:                    | -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     | 40               | 3    |
| S78:                                  | 0.00     | 0.00     | 0.00     | 78               | 2    |
| S79:                                  | 0.00     | 0.00     | 0.00     | 78               | 4    |
| 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:                                 | *****    | *****    | *****    | 53               | -NR- |
| S80:                                  | 0.99     | 0.99     | 1.27     | 71               | 2    |
| Okeechobee Average                    | *****    | 7172.46  | *****    |                  |      |
| (Sites S78, S79 and S80 not included) |          |          |          |                  |      |
| -----                                 |          |          |          |                  |      |
| Oke Nexrad Basin Avg                  | 0.00     | 0.00     | 0.00     |                  |      |
| -----                                 |          |          |          |                  |      |

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|                            |             |       |                 |  |
|----------------------------|-------------|-------|-----------------|--|
| Okeechobee Lake Elevations | 28 APR 2019 | 11.28 | Difference from |  |
| 28APR19                    |             |       |                 |  |
| 28APR19 -1 Day =           | 27 APR 2019 | 11.31 | 0.03            |  |
| 28APR19 -2 Days =          | 26 APR 2019 | 11.35 | 0.07            |  |
| 28APR19 -3 Days =          | 25 APR 2019 | 11.38 | 0.10            |  |
| 28APR19 -4 Days =          | 24 APR 2019 | 11.41 | 0.13            |  |
| 28APR19 -5 Days =          | 23 APR 2019 | 11.45 | 0.17            |  |
| 28APR19 -6 Days =          | 22 APR 2019 | 11.48 | 0.20            |  |
| 28APR19 -7 Days =          | 21 APR 2019 | 11.50 | 0.22            |  |
| 28APR19 -30 Days =         | 29 MAR 2019 | 11.94 | 0.66            |  |
| 28APR19 -1 Year =          | 28 APR 2018 | 13.22 | 1.94            |  |
| 28APR19 -2 Year =          | 28 APR 2017 | -NR-  | -NR-            |  |

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Long Term Mean 30day Avearge ET for Lake Alfred (Inches) = 4.51

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Lake Okeechobee Net Inflow (LONIN)  
 Average Flow over the previous 14 days | Avg-Daily Flow

|         |            |             |       |     |       |
|---------|------------|-------------|-------|-----|-------|
| 28APR19 | Today =    | 28 APR 2019 | -2226 | MON | -2162 |
| 28APR19 | -1 Day =   | 27 APR 2019 | -2225 | SUN | -3674 |
| 28APR19 | -2 Days =  | 26 APR 2019 | -2104 | SAT | -2806 |
| 28APR19 | -3 Days =  | 25 APR 2019 | -1921 | FRI | -2309 |
| 28APR19 | -4 Days =  | 24 APR 2019 | -1799 | THU | -3476 |
| 28APR19 | -5 Days =  | 23 APR 2019 | -2054 | WED | -2149 |
| 28APR19 | -6 Days =  | 22 APR 2019 | -1936 | TUE | -2219 |
| 28APR19 | -7 Days =  | 21 APR 2019 | -1914 | MON | -2888 |
| 28APR19 | -8 Days =  | 20 APR 2019 | -1833 | SUN | -2654 |
| 28APR19 | -9 Days =  | 19 APR 2019 | -1599 | SAT | 17    |
| 28APR19 | -10 Days = | 18 APR 2019 | -1607 | FRI | 874   |
| 28APR19 | -11 Days = | 17 APR 2019 | -1804 | THU | -1662 |
| 28APR19 | -12 Days = | 16 APR 2019 | -1568 | WED | -2944 |
| 28APR19 | -13 Days = | 15 APR 2019 | -1206 | TUE | -3114 |

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| S65E                               |            |             |   |     |                |
|------------------------------------|------------|-------------|---|-----|----------------|
| Average Flow over previous 14 days |            |             |   |     | Avg-Daily Flow |
| 28APR19                            | Today=     | 28 APR 2019 | 0 | MON | 0              |
| 28APR19                            | -1 Day =   | 27 APR 2019 | 0 | SUN | 0              |
| 28APR19                            | -2 Days =  | 26 APR 2019 | 0 | SAT | 0              |
| 28APR19                            | -3 Days =  | 25 APR 2019 | 0 | FRI | 0              |
| 28APR19                            | -4 Days =  | 24 APR 2019 | 0 | THU | 0              |
| 28APR19                            | -5 Days =  | 23 APR 2019 | 0 | WED | 0              |
| 28APR19                            | -6 Days =  | 22 APR 2019 | 0 | TUE | 0              |
| 28APR19                            | -7 Days =  | 21 APR 2019 | 0 | MON | 0              |
| 28APR19                            | -8 Days =  | 20 APR 2019 | 0 | SUN | 0              |
| 28APR19                            | -9 Days =  | 19 APR 2019 | 0 | SAT | 0              |
| 28APR19                            | -10 Days = | 18 APR 2019 | 0 | FRI | 0              |
| 28APR19                            | -11 Days = | 17 APR 2019 | 0 | THU | 0              |
| 28APR19                            | -12 Days = | 16 APR 2019 | 0 | WED | 0              |
| 28APR19                            | -13 Days = | 15 APR 2019 | 0 | TUE | 0              |

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| S65EX1                             |            |             |     |     |                |
|------------------------------------|------------|-------------|-----|-----|----------------|
| Average Flow over previous 14 days |            |             |     |     | Avg-Daily Flow |
| 28APR19                            | Today=     | 28 APR 2019 | 504 | MON | 422            |
| 28APR19                            | -1 Day =   | 27 APR 2019 | 522 | SUN | 365            |
| 28APR19                            | -2 Days =  | 26 APR 2019 | 546 | SAT | 454            |
| 28APR19                            | -3 Days =  | 25 APR 2019 | 563 | FRI | 532            |
| 28APR19                            | -4 Days =  | 24 APR 2019 | 576 | THU | 377            |
| 28APR19                            | -5 Days =  | 23 APR 2019 | 600 | WED | 463            |
| 28APR19                            | -6 Days =  | 22 APR 2019 | 615 | TUE | 498            |
| 28APR19                            | -7 Days =  | 21 APR 2019 | 622 | MON | 496            |
| 28APR19                            | -8 Days =  | 20 APR 2019 | 612 | SUN | 578            |
| 28APR19                            | -9 Days =  | 19 APR 2019 | 593 | SAT | 484            |
| 28APR19                            | -10 Days = | 18 APR 2019 | 580 | FRI | 630            |
| 28APR19                            | -11 Days = | 17 APR 2019 | 558 | THU | 538            |
| 28APR19                            | -12 Days = | 16 APR 2019 | 542 | WED | 568            |
| 28APR19                            | -13 Days = | 15 APR 2019 | 527 | TUE | 645            |

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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)   |
| 28 APR 2019 |  | -NR-      | 2200       | 2052      | 2844      |
| 27 APR 2019 |  | -NR-      | 2223       | 910       | 1684      |
| 26 APR 2019 |  | -NR-      | 984        | 598       | 850       |
| 25 APR 2019 |  | -NR-      | 1811       | 956       | 1375      |
| 24 APR 2019 |  | 2445      | 2654       | 1994      | 2243      |
| 23 APR 2019 |  | 1754      | 1631       | 1950      | 1532      |
| 22 APR 2019 |  | 675       | 781        | 929       | 2288      |
| 21 APR 2019 |  | 392       | 1041       | 907       | 2474      |
| 20 APR 2019 |  | 239       | 295        | 615       | 1723      |
| 19 APR 2019 |  | -62       | 122        | 611       | 655       |
| 18 APR 2019 |  | 589       | 783        | 631       | 1278      |
| 17 APR 2019 |  | 949       | 1028       | 951       | 2303      |
| 16 APR 2019 |  | 1939      | 2169       | 1784      | 2546      |
| 15 APR 2019 |  | 1275      | 1708       | 1778      | 2289      |

|             |  | 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)     |
| 28 APR 2019 |  | 412       | 2183      | 1137      | 904       | 3           |
| 27 APR 2019 |  | 481       | 2221      | 1243      | 1146      | -12         |
| 26 APR 2019 |  | 421       | 2085      | 1098      | 1154      | 2           |
| 25 APR 2019 |  | 339       | 2125      | 1190      | 1132      | 17          |
| 24 APR 2019 |  | 204       | 2241      | 1233      | 1428      | 51          |
| 23 APR 2019 |  | 105       | 2068      | 1244      | 1257      | 38          |
| 22 APR 2019 |  | 127       | 556       | 981       | 450       | -0          |
| 21 APR 2019 |  | 72        | 124       | 957       | 0         | -9          |
| 20 APR 2019 |  | 93        | 599       | 844       | 194       | -25         |
| 19 APR 2019 |  | 38        | 0         | 0         | 0         | 15          |
| 18 APR 2019 |  | 261       | 0         | 641       | 414       | 31          |
| 17 APR 2019 |  | 189       | 675       | 1041      | 924       | 56          |
| 16 APR 2019 |  | 282       | 779       | 1015      | 928       | 43          |
| 15 APR 2019 |  | 261       | 764       | 1102      | 1059      | -11         |

|             |  | S-308     | Below S-308 | S-80      |
|-------------|--|-----------|-------------|-----------|
|             |  | Discharge | Discharge   | Discharge |
|             |  | (ALL DAY) | (ALL-DAY)   | (ALL-DAY) |
| DATE        |  | (AC-FT)   | (AC-FT)     | (AC-FT)   |
| 28 APR 2019 |  | -144      | 227         | 42        |
| 27 APR 2019 |  | -305      | -140        | 34        |
| 26 APR 2019 |  | -91       | 259         | 42        |
| 25 APR 2019 |  | -15       | 148         | 37        |
| 24 APR 2019 |  | -64       | 277         | 34        |
| 23 APR 2019 |  | -1        | 225         | 47        |
| 22 APR 2019 |  | -350      | -117        | 39        |
| 21 APR 2019 |  | -NR-      | -152        | 43        |
| 20 APR 2019 |  | -101      | -295        | 50        |
| 19 APR 2019 |  | 194       | 8           | 22        |
| 18 APR 2019 |  | -94       | 272         | 45        |
| 17 APR 2019 |  | -396      | 137         | 43        |
| 16 APR 2019 |  | -979      | -41         | 44        |
| 15 APR 2019 |  | -63       | -46         | 39        |



\*\*\* 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 preceded by "I" signify an instantaneous  
flow computed from the single value reported for the day

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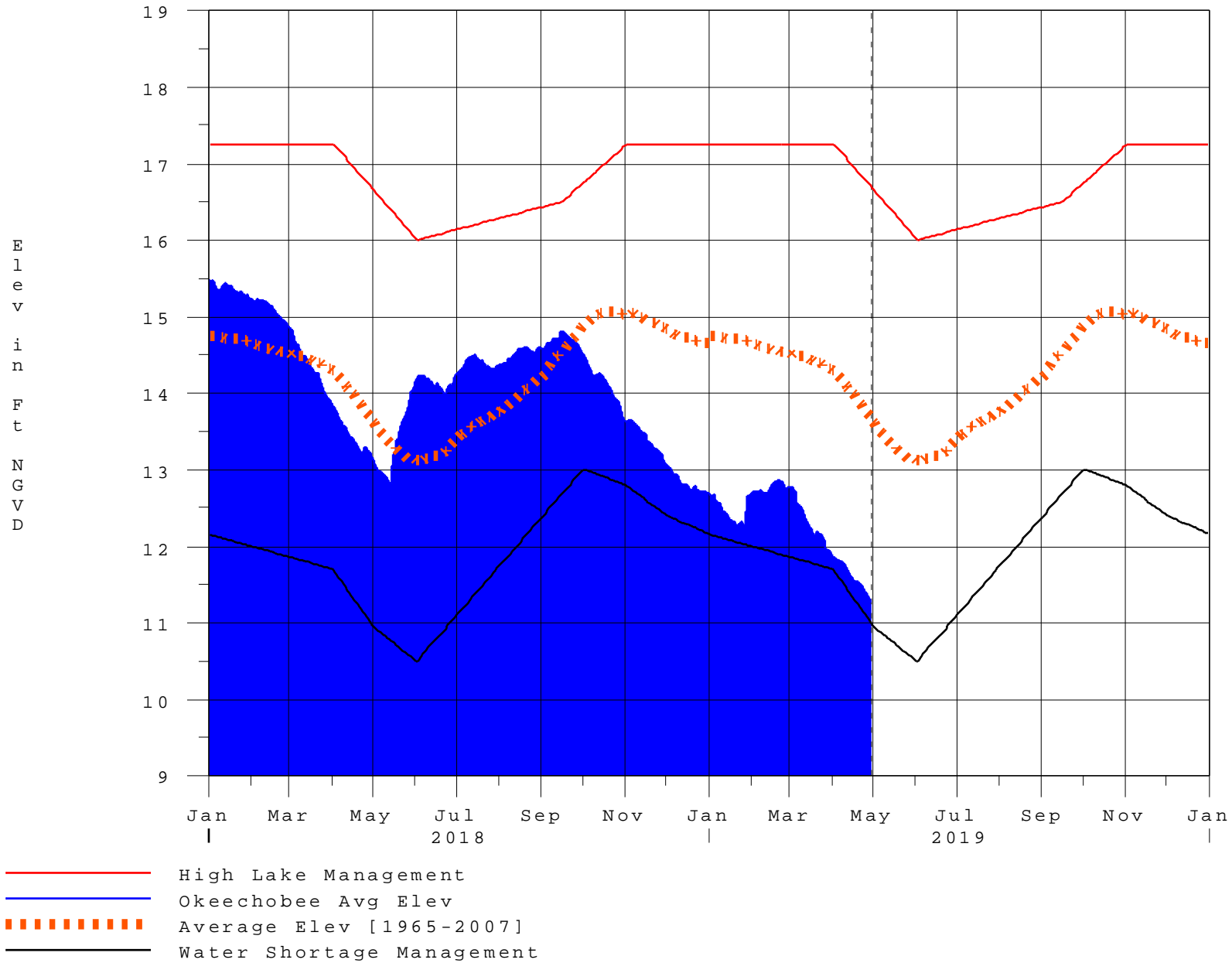
\* On 11 May 1999, Lake Okeechobee Elevation was switched from  
Instantaneous 2400 value to an average-daily lake average.  
On 14 Mar 2001, due to the isolation of various gages within the  
standard  
10 stations, the average of the interior 4 station gages was used  
as the Lake Okeechobee Elevation.  
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 29APR2019 @ 14:39 \*\* Preliminary Data - Subject to Revision  
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# Lake Okeechobee

29APR19 14:45:33



# 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 $\geq$ 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<br/>Prediction<br/>[million acre-feet]</b> | <b>Equivalent<br/>Depth**<br/>[feet]</b> | <b>Lake Okeechobee<br/>Net Inflow<br/>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<br/>Prediction</b><br><br><b>[million acre-feet]</b> | <b>Equivalent<br/>Depth**</b><br><br><b>[feet]</b> | <b>Lake Okeechobee<br/><br/>Net Inflow<br/><br/>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