

# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 10/30/2017 (Developing ENSO La Nina 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 (Oct-Mar)        | N/A                           | N/A                       | 2.25                                | Very Wet                  | 2.20  | Very Wet                  | 2.06   | Very Wet                  |
| Multi Seasonal (Oct-Apr) | N/A                           | N/A                       | 2.18                                | Normal                    | 1.96  | Normal                    | 1.83   | Normal                    |

**\*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:](#)

**7253 cfs** 14-day running average for Lake Okeechobee Net Inflow through 10/29/2017. According to the classification in [Tributary Hydrologic Conditions](#) table, this condition is Very Wet.

**2.24** for Palmer Index on 10/28/2017.

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

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

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

#### Lake Okeechobee Stage on 10/30/2017

Lake Okeechobee Stage: **17.05 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            |                       | 17.20                         |                    |
| Operational Band                     | High sub-band         | 16.83                         | ← 17.05            |
|                                      | Intermediate sub-band | 16.22                         |                    |
|                                      | Low sub-band          | 14.50                         |                    |
| Base Flow sub-band                   |                       | 12.88                         |                    |
| Beneficial Use sub-band              |                       | 12.81                         |                    |
| 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 6500 cfs & S-80 Up to 2800 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](#)

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

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## LORS2008 Implementation on 10/30/2017 (ENSO Neutral Condition):

### Status for week ending 10/30/2017:

District wide, Raindar rainfall was 2.79 inches for the week. Lake stage on 10/30/2017 was 17.05 ft, down 0.08 ft from last week.

The updated October 2017 SFWMM Dynamic Position Analysis [percentile graph](#) for Lake Okeechobee show that the current lake stage is in the High Operational Sub-Band.

The 2008 LORS Tributary Hydrologic Condition (THC) tributary is classified as **Very Wet**. The PDSI indicates Wet condition and the LONIN is Very Wet. The THC classification is based on the wetter of the two [indices](#).

### Water Supply Risk Evaluation

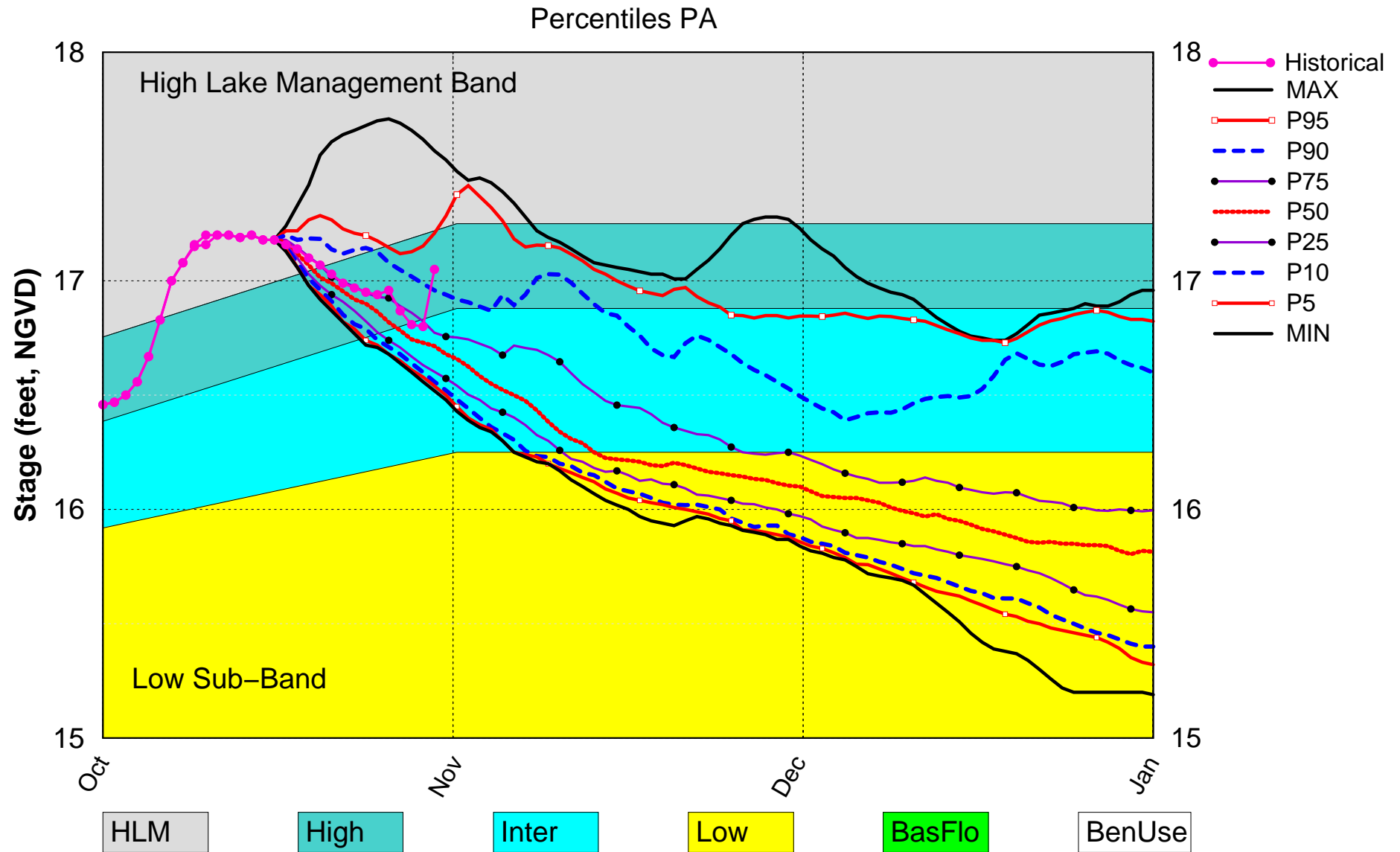
| Area | Indicator                                      | Value                                | Color Coded Scoring Scheme |
|------|--|--------------------------------------|----------------------------|
| LOK  | Projected LOK Stage for the next two months    | Intermediate Sub Band                | L                          |
|      | Palmer Index for LOK Tributary Conditions      | 2.24<br>(Normal)                     | L                          |
|      | CPC Precipitation Outlook                      | 1 month: Normal                      | L                          |
|      |  | 3 months: Below Normal               | M                          |
|      | LOK Seasonal Net Inflow Outlook                | 2.20 ft<br>(Normal)                  | L                          |
|      | ENSO La Nina Years                             |                                      |                            |
|      | LOK Multi-Seasonal Net Inflow Outlook          | 1.96 ft (Normal)                     | M                          |
|      | ENSO La Nina Years                             |                                      |                            |
| WCAs | WCA 1: Site 1-7, Site 1-8T, & Site 1-9 Average | Above Line 1 (17.78 ft)              | L                          |
|      | WCA 2A: Site 2-17 HW                           | Above Line 1 (13.74 ft)              | L                          |
|      | WCA-3A: 3 Station Average (Site 63, 64 and 65) | Above Line 1 (12.55 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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[Back to U.S. Army Corps of Engineers LORSS Homepage](#)

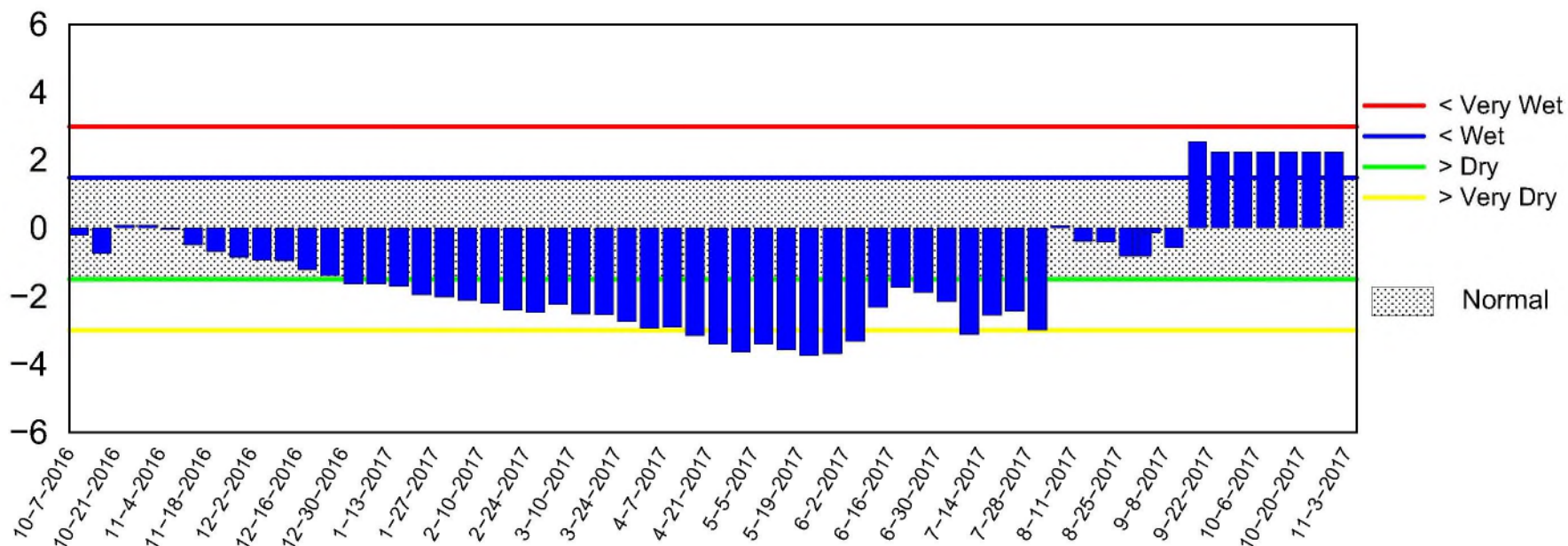
# Lake Okeechobee SFWMM Oct 2017 Mid–Mon Dynamic Position Analysis



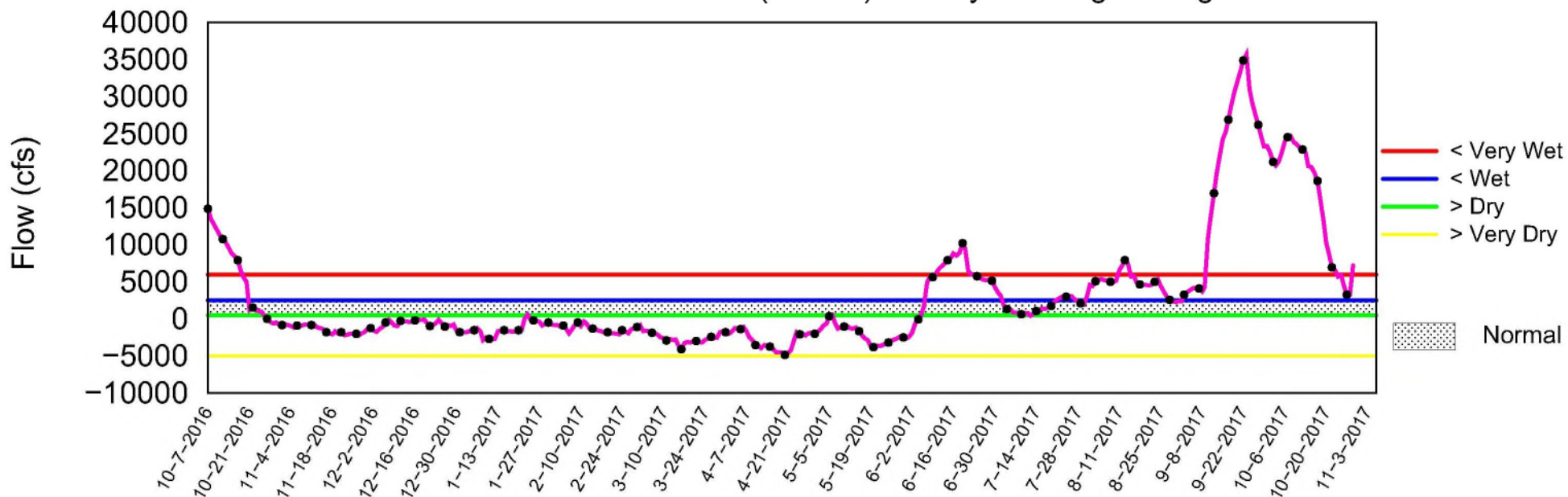
(See assumptions on the Position Analysis Results website)

# Tributary Basin Condition Indicators as of October 30 2017

## Palmer Index



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

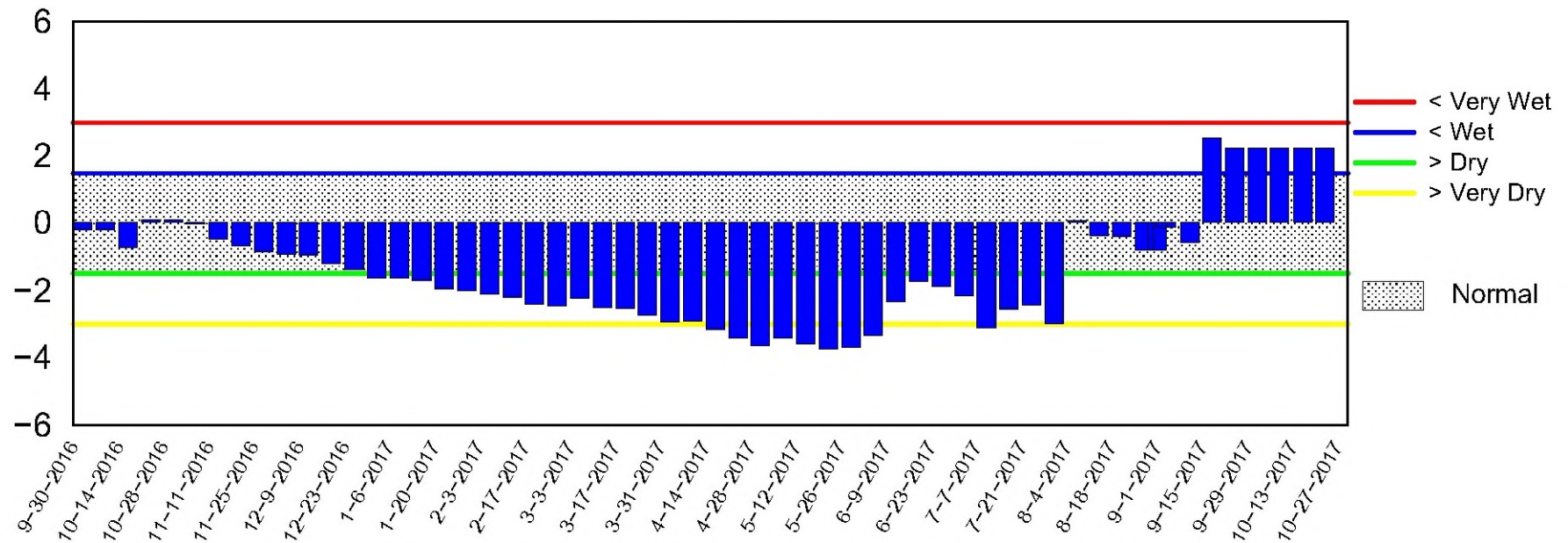


Mon Oct 30 12:39:47 EDT 2017

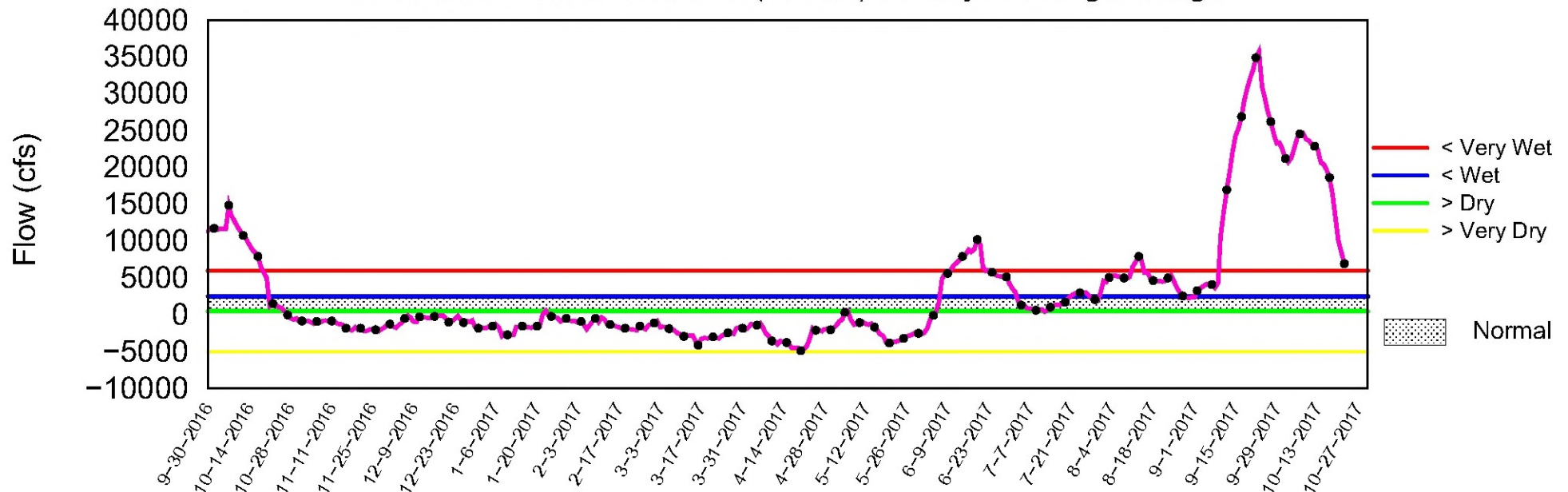


# Tributary Basin Condition Indicators as of October 23 2017

## Palmer Index



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



Mon Oct 23 14:51:40 EDT 2017

# 2008 LORS

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

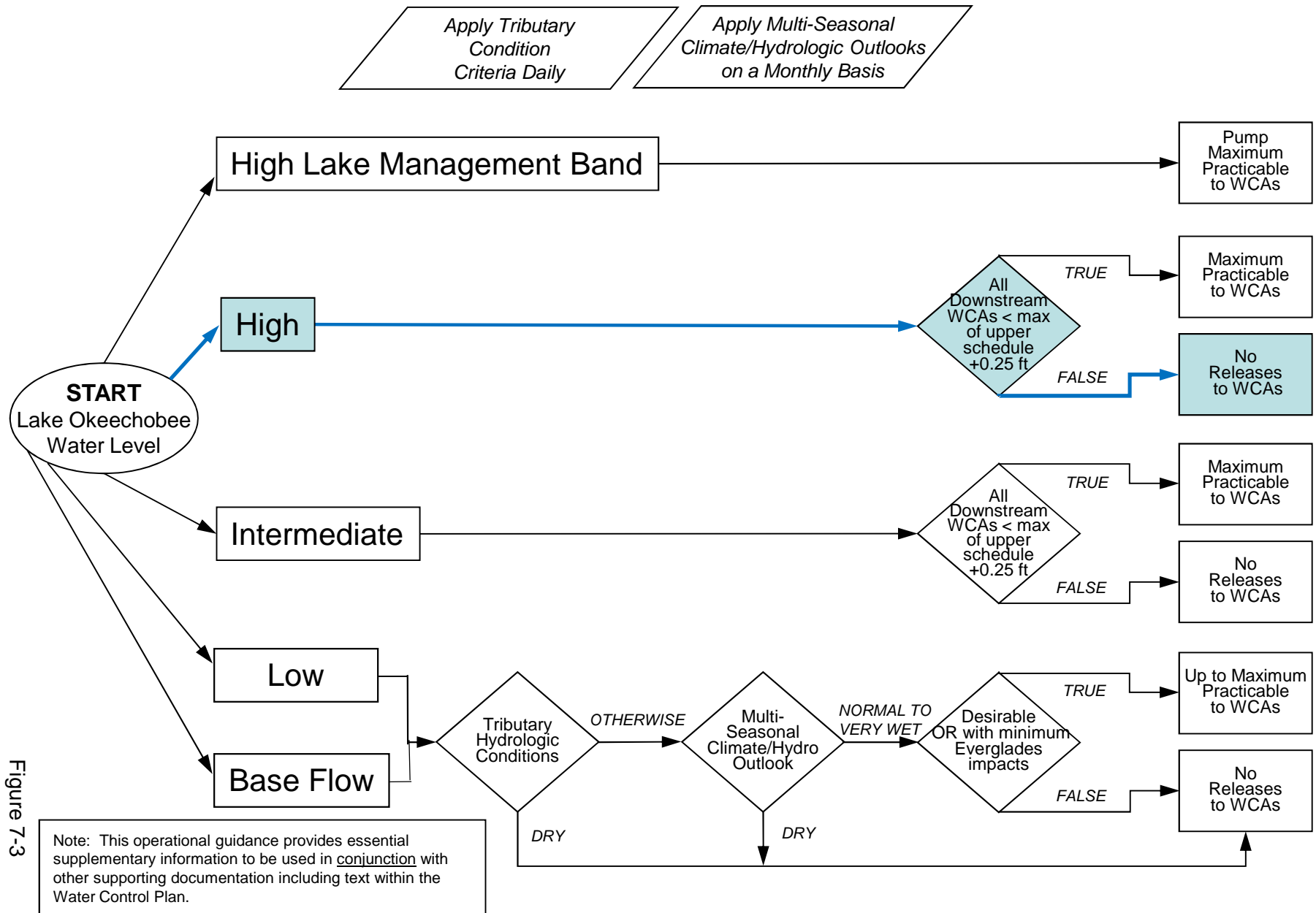


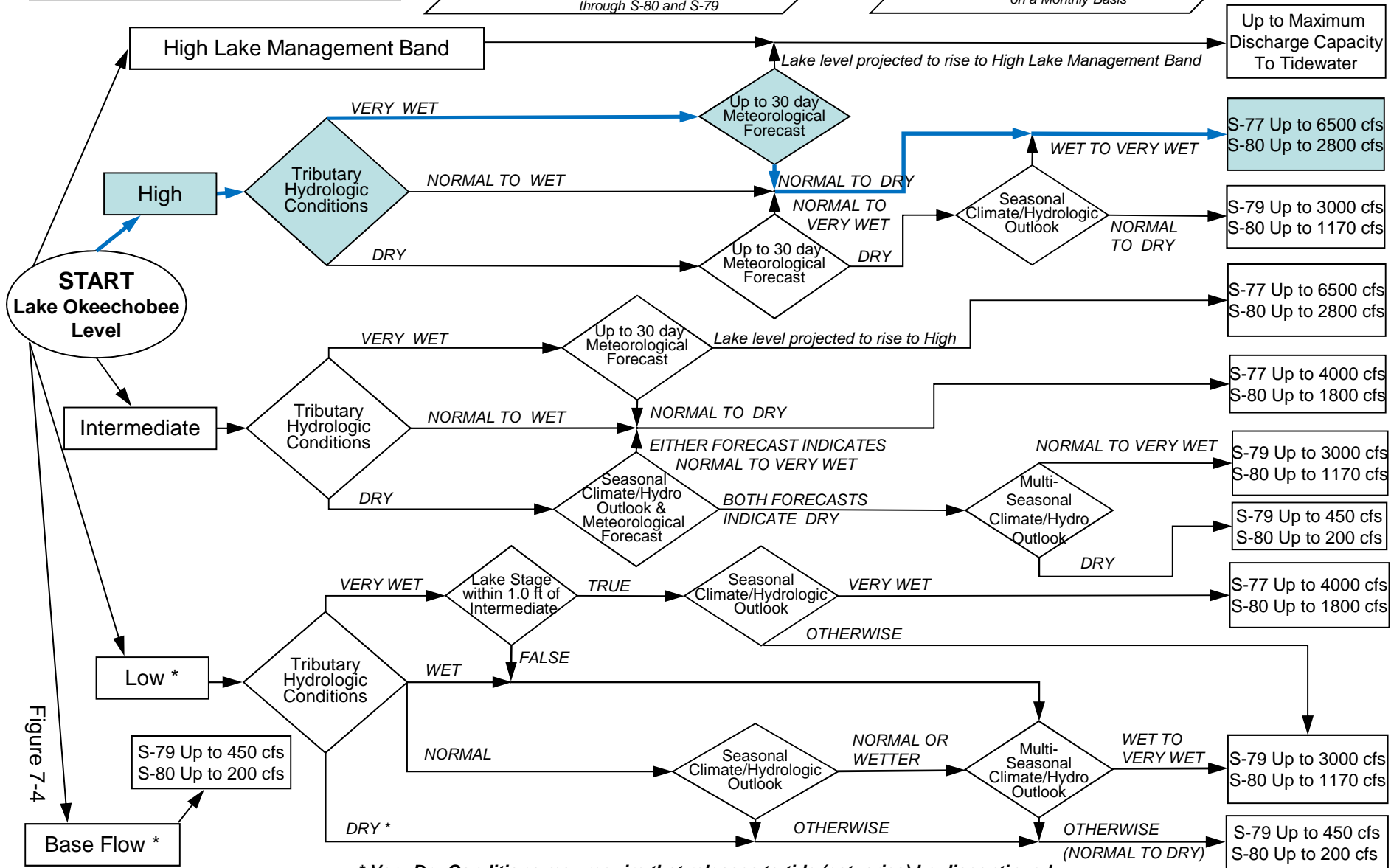
Figure 7-3



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

*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*

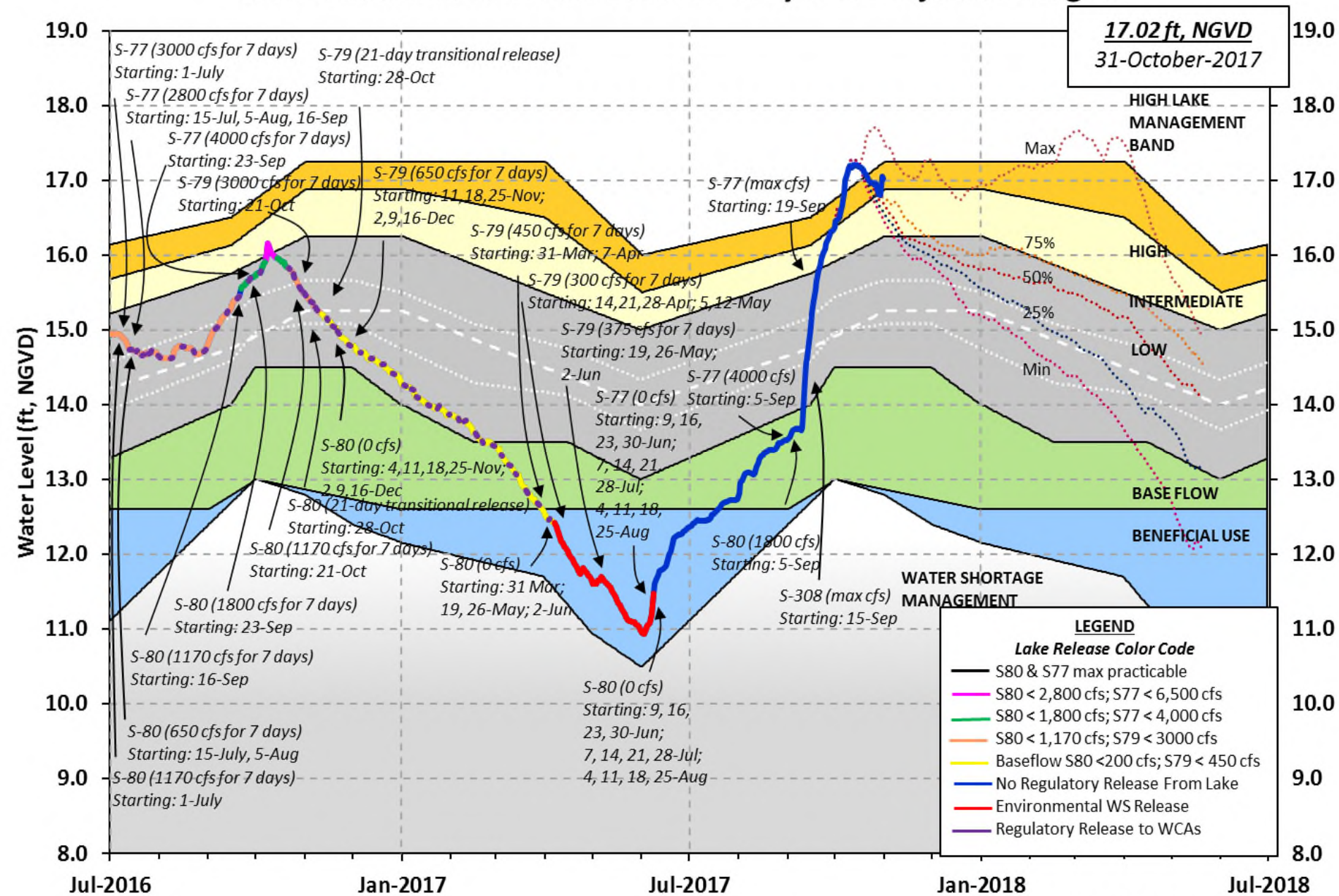
*Apply Meteorological Forecasts on a Weekly Basis; apply Seasonal and Multi-Seasonal Climate/Hydrologic Outlooks on a Monthly Basis*



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

Figure 7-4

## Lake Okeechobee Water Level History and Projected Stages



LORS-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    29 OCT 2017

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| Okeechobee Lake Regulation  | Elevation<br>(ft-NGVD) | Last Year<br>(ft-NGVD) | 2YRS Ago<br>(ft-NGVD) |
|---|------------------------|------------------------|-----------------------|
| *Okeechobee Lake Elevation  | 17.05                  | 15.50                  | 14.60 (Official Elv)  |
| Bottom of High Lake Mngmt= 17.20    Top of Water Short Mngmt= 12.81 |                        |                        |                       |
| Currently in Operational Management Band                            |                        |                        |                       |
| Simulated Average LORS2008 [1965-2000]                              |                        | 13.98                  |                       |
| Difference from Average LORS2008                                    |                        | 3.07                   |                       |
| 29OCT (1965-2007) Period of Record Average                          |                        | 15.03                  |                       |
| Difference from POR Average   |                        | 2.02                   |                       |

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

++Navigation Depth (Based on 2007 Channel Condition Survey) Route 1 ÷ 10.99'

++Navigation Depth (Based on 2008 Channel Condition Survey) Route 2 ÷ 9.19'

Bridge Clearance = 47.38'

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

|       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|
| L001  | L005  | L006  | LZ40  | S4    | S352  | S308  | S133  |
| 16.87 | 16.87 | 17.21 | 17.07 | 17.09 | 17.43 | 17.15 | 16.70 |

\*Combination Okeechobee Avg-Daily Lake Average = 17.05  
(\*See Note)

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Okeechobee Inflows (cfs):

|                      |      |            |      |               |     |
|----------------------|------|------------|------|---------------|-----|
| S65E                 | 2815 | S65EX1     | 1680 | Fisheating Cr | 846 |
| S154                 | 368  | S191       | 1745 | S135 Pumps    | 436 |
| S84                  | 2466 | S133 Pumps | 414  | S2 Pumps      | 0   |
| S84X                 | 0    | S127 Pumps | 318  | S3 Pumps      | 0   |
| S71                  | 1790 | S129 Pumps | 198  | S4 Pumps      | 747 |
| S72                  | 485  | S131 Pumps | 37   | C5            | 0   |
| Total Inflows: 14346 |      |            |      |               |     |

Okeechobee Outflows (cfs):

|                      |    |             |   |      |      |
|----------------------|----|-------------|---|------|------|
| S135 Culverts        | 0  | S354        | 0 | S77  | 6112 |
| S127 Culverts        | 0  | S351        | 0 | S308 | 1760 |
| S129 Culverts        | -0 | S352        | 0 |      |      |
| S131 Culverts        | 0  | L8 Canal Pt | 5 |      |      |
| Total Outflows: 7877 |    |             |   |      |      |

|                        | Headwater | Tailwater |       | Gate Positions |      |      |      |      |       |      |
|------------------------|-----------|-----------|-------|----------------|------|------|------|------|-------|------|
|                        | Elevation | Elevation | Disch | #1             | #2   | #3   | #4   | #5   | #6    | #7   |
|                        | (ft-msl)  | (ft-msl)  | (cfs) | (ft)           | (ft) | (ft) | (ft) | (ft) | (ft)  | (ft) |
| (I) see note at bottom |           |           |       |                |      |      |      |      |       |      |
| North East Shore       |           |           |       |                |      |      |      |      |       |      |
| S133 Pumps:            | 13.27     | 16.69     | 414   | 144            | 93   | 0    | 94   | 93   | (cfs) |      |
| S193:                  |           |           |       |                |      |      |      |      |       |      |
| S191:                  | 18.10     | 16.78     | 1745  | 3.5            | 3.5  | 3.5  |      |      |       |      |
| S135 Pumps:            | 13.35     | 16.96     | 436   | 141            | 78   | 84   | 129  |      | (cfs) |      |
| S135 Culverts:         |           |           | 0     | 0.0            | 0.0  |      |      |      |       |      |
| North West Shore       |           |           |       |                |      |      |      |      |       |      |
| S65E:                  | 20.97     | 16.62     | 2815  | 1.8            | 1.7  | 1.2  | 1.2  | 1.2  | 1.2   |      |
| S65EX1:                | 20.97     | 16.62     | 1680  |                |      |      |      |      |       |      |
| S127 Pumps:            | 13.25     | 16.91     | 318   | 137            | 144  | 0    | 0    | 61   | (cfs) |      |
| S127 Culvert:          |           |           | 0     | 0.0            |      |      |      |      |       |      |
| S129 Pumps:            | 12.76     | 16.87     | 198   | 74             | 74   | 57   |      |      | (cfs) |      |
| S129 Culvert:          |           |           | -0    | 0.1            |      |      |      |      |       |      |
| S131 Pumps:            | 12.88     | 16.91     | 37    | 0              | 42   |      |      |      | (cfs) |      |
| S131 Culvert:          |           |           | 0     |                |      |      |      |      |       |      |
| Fisheating Creek       |           |           |       |                |      |      |      |      |       |      |
| nr Palmdale            |           | 32.89     | 846   |                |      |      |      |      |       |      |
| nr Lakeport            |           |           |       |                |      |      |      |      |       |      |
| C5:                    |           | -NR-      | 0     | -NR-           | -NR- | -NR- |      |      |       |      |
| South Shore            |           |           |       |                |      |      |      |      |       |      |
| S4 Pumps:              | 12.12     | 17.08     | 747   | 0              | 731  | 0    |      |      | (cfs) |      |
| S169:                  | 14.85     | 12.43     | 317   | 2.1            | 2.1  | 2.1  |      |      |       |      |
| S310:                  | 17.10     |           | 4     |                |      |      |      |      |       |      |

|             |       |       |   |     |     |     |     |       |
|-------------|-------|-------|---|-----|-----|-----|-----|-------|
| S3 Pumps:   | 12.60 | 17.33 | 0 | 0   | 0   | 0   |     | (cfs) |
| S354:       | 17.33 | 12.60 | 0 | 0.0 | 0.0 |     |     |       |
| S2 Pumps:   | 11.99 | 17.33 | 0 | 0   | 0   | 0   | 0   | (cfs) |
| S351:       | 17.33 | 11.99 | 0 | 0.0 | 0.0 | 0.0 |     |       |
| S352:       | 17.50 | 11.52 | 0 | 0.0 | 0.0 |     |     |       |
| C10A:       | -NR-  | 16.46 |   | 8.0 | 8.0 | 8.0 | 0.0 | 0.0   |
| L8 Canal PT |       | 16.37 | 5 |     |     |     |     |       |

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S351 and S352 Temporary Pumps/S354 Spillway

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|       |       |       |   |                          |
|-------|-------|-------|---|--------------------------|
| S351: | 11.99 | 17.33 | 0 | -NR--NR--NR--NR--NR--NR- |
| S352: | 11.52 | 17.50 | 0 | -NR--NR--NR--NR-         |
| S354: | 12.60 | 17.33 | 0 | -NR--NR--NR--NR-         |

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Caloosahatchee River (S77, S78, S79)

|       |       |       |     |     |     |
|-------|-------|-------|-----|-----|-----|
| S47B: | 12.68 | 12.03 |     | 2.0 | 2.0 |
| S47D: | 11.83 | 11.80 | 154 | 6.6 |     |

S77:

Spillway and Sector Flow:

|       |       |       |     |     |     |     |
|-------|-------|-------|-----|-----|-----|-----|
| 16.51 | 12.01 | ***** | 5.0 | 5.0 | 5.0 | 5.0 |
|-------|-------|-------|-----|-----|-----|-----|

Flow Due to Lockages+: 6

S77 Below USGS Flow Gage 6106

S78:

Spillway and Sector Flow:

|       |      |      |     |     |     |     |
|-------|------|------|-----|-----|-----|-----|
| 11.18 | 3.63 | 7455 | 5.5 | 6.0 | 6.5 | 6.5 |
|-------|------|------|-----|-----|-----|-----|

Flow Due to Lockages+: 11

S79:

Spillway and Sector Flow:

|      |      |       |     |     |     |     |     |     |     |
|------|------|-------|-----|-----|-----|-----|-----|-----|-----|
| 2.83 | 1.61 | 13907 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 | 6.0 |
|------|------|-------|-----|-----|-----|-----|-----|-----|-----|

6.0

Flow Due to Lockages+: 3

Percent of flow from S77 44%

Chloride (ppm) 46

St. Lucie Canal (S308, S80)

S308:

Spillway and Sector Flow:

|       |       |       |     |     |     |     |
|-------|-------|-------|-----|-----|-----|-----|
| 17.13 | 16.12 | ***** | 4.0 | 4.0 | 4.0 | 4.0 |
|-------|-------|-------|-----|-----|-----|-----|

Flow Due to Lockages+: 1

S308 Below USGS Flow Gage 1759

|       |       |       |     |     |     |
|-------|-------|-------|-----|-----|-----|
| S153: | 18.51 | 15.88 | 429 | 1.5 | 1.0 |
|-------|-------|-------|-----|-----|-----|

S80:

Spillway and Sector Flow:

|       |      |      |     |     |     |     |     |     |     |
|-------|------|------|-----|-----|-----|-----|-----|-----|-----|
| 12.90 | 2.63 | 4671 | 4.0 | 2.5 | 0.0 | 4.0 | 2.5 | 4.0 | 4.0 |
|-------|------|------|-----|-----|-----|-----|-----|-----|-----|

Flow Due to Lockages+: 12

Percent of flow from S308 38%

Steele Point Top Salinity (mg/ml) 1588

Steele Point Bottom Salinity (mg/ml) 3020

Speedy Point Top Salinity (mg/ml) 469  
 Speedy Point Bottom Salinity (mg/ml) 465

+ 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     | 3.06     | 3.34     | 280       | 5    |
| S78:                                  | 0.00     | 2.31     | 2.45     | 306       | 5    |
| S79:                                  | 0.00     | 1.77     | 3.28     | 323       | 1    |
| S4 Pump Station:                      | -NR-     | 0.00     | 0.00     |           |      |
| Clewiston Field Station:              | -NR-     | 0.00     | 0.00     |           |      |
| S3 Pump Station:                      | -NR-     | 0.00     | 0.00     |           |      |
| S2 Pump Station:                      | -NR-     | 0.00     | 0.00     |           |      |
| S308:                                 | 0.02     | 0.18     | 0.28     | 326       | 23   |
| S80:                                  | 0.00     | 0.00     | 0.00     | 277       | 4    |
| Okeechobee Average                    | 0.01     | 0.25     | 0.28     |           |      |
| (Sites S78, S79 and S80 not included) |          |          |          |           |      |
| -----                                 |          |          |          |           |      |
| Oke Nexrad Basin Avg                  | -NR-     | 2.81     | 3.68     |           |      |
| -----                                 |          |          |          |           |      |

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|                            |             |       |                 |
|----------------------------|-------------|-------|-----------------|
| Okeechobee Lake Elevations | 29 OCT 2017 | 17.05 | Difference from |
| 29OCT17                    |             |       |                 |
| 29OCT17 -1 Day =           | 28 OCT 2017 | 16.80 | -0.25           |
| 29OCT17 -2 Days =          | 27 OCT 2017 | 16.81 | -0.24           |
| 29OCT17 -3 Days =          | 26 OCT 2017 | 16.87 | -0.18           |
| 29OCT17 -4 Days =          | 25 OCT 2017 | 16.96 | -0.09           |
| 29OCT17 -5 Days =          | 24 OCT 2017 | 16.94 | -0.11           |
| 29OCT17 -6 Days =          | 23 OCT 2017 | 16.95 | -0.10           |
| 29OCT17 -7 Days =          | 22 OCT 2017 | 16.97 | -0.08           |
| 29OCT17 -30 Days =         | 29 SEP 2017 | 16.37 | -0.68           |
| 29OCT17 -1 Year =          | 29 OCT 2016 | 15.50 | -1.55           |
| 29OCT17 -2 Year =          | 29 OCT 2015 | 14.60 | -2.45           |

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Long Term Mean 30day Avearge ET for Lake Alfred (Inches) = 3.33

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Lake Okeechobee Net Inflow (LONIN)

| Average Flow over the previous 14 days |            |             |       |     | Avg-Daily Flow |
|--|------------|-------------|-------|-----|----------------|
| 29OCT17                                | Today =    | 29 OCT 2017 | 7434  | MON | 64841          |
| 29OCT17                                | -1 Day =   | 28 OCT 2017 | 3266  | SUN | 7206           |
| 29OCT17                                | -2 Days =  | 27 OCT 2017 | 3164  | SAT | -3880          |
| 29OCT17                                | -3 Days =  | 26 OCT 2017 | 4549  | FRI | -10885         |
| 29OCT17                                | -4 Days =  | 25 OCT 2017 | 6100  | THU | 14120          |
| 29OCT17                                | -5 Days =  | 24 OCT 2017 | 5934  | WED | 6878           |
| 29OCT17                                | -6 Days =  | 23 OCT 2017 | 6165  | TUE | 4717           |
| 29OCT17                                | -7 Days =  | 22 OCT 2017 | 7281  | MON | 5224           |
| 29OCT17                                | -8 Days =  | 21 OCT 2017 | 9028  | SUN | 375            |
| 29OCT17                                | -9 Days =  | 20 OCT 2017 | 11085 | SAT | 210            |
| 29OCT17                                | -10 Days = | 19 OCT 2017 | 14553 | FRI | 2537           |
| 29OCT17                                | -11 Days = | 18 OCT 2017 | 17657 | THU | 313            |
| 29OCT17                                | -12 Days = | 17 OCT 2017 | 19103 | WED | 4979           |
| 29OCT17                                | -13 Days = | 16 OCT 2017 | 20427 | TUE | -NR-           |

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| S65E                               |            |             |      |     | Avg-Daily Flow |
|------------------------------------|------------|-------------|------|-----|----------------|
| Average Flow over previous 14 days |            |             |      |     |                |
| 29OCT17                            | Today=     | 29 OCT 2017 | 1697 | MON | 2952           |
| 29OCT17                            | -1 Day =   | 28 OCT 2017 | 1651 | SUN | 1548           |
| 29OCT17                            | -2 Days =  | 27 OCT 2017 | 1728 | SAT | 1226           |
| 29OCT17                            | -3 Days =  | 26 OCT 2017 | 1882 | FRI | 1192           |
| 29OCT17                            | -4 Days =  | 25 OCT 2017 | 2082 | THU | 1675           |
| 29OCT17                            | -5 Days =  | 24 OCT 2017 | 2196 | WED | 1556           |
| 29OCT17                            | -6 Days =  | 23 OCT 2017 | 2331 | TUE | 1525           |
| 29OCT17                            | -7 Days =  | 22 OCT 2017 | 2556 | MON | 1510           |
| 29OCT17                            | -8 Days =  | 21 OCT 2017 | 2845 | SUN | 1527           |
| 29OCT17                            | -9 Days =  | 20 OCT 2017 | 3190 | SAT | 1646           |
| 29OCT17                            | -10 Days = | 19 OCT 2017 | 3607 | FRI | 1833           |
| 29OCT17                            | -11 Days = | 18 OCT 2017 | 4005 | THU | 1836           |
| 29OCT17                            | -12 Days = | 17 OCT 2017 | 4383 | WED | 1831           |
| 29OCT17                            | -13 Days = | 16 OCT 2017 | 4765 | TUE | 1903           |

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| S65EX1                             |            |             |      |     | Avg-Daily Flow |
|------------------------------------|------------|-------------|------|-----|----------------|
| Average Flow over previous 14 days |            |             |      |     |                |
| 29OCT17                            | Today=     | 29 OCT 2017 | 2397 | MON | 1680           |
| 29OCT17                            | -1 Day =   | 28 OCT 2017 | 2523 | SUN | 1788           |
| 29OCT17                            | -2 Days =  | 27 OCT 2017 | 2643 | SAT | 1855           |
| 29OCT17                            | -3 Days =  | 26 OCT 2017 | 2752 | FRI | 1833           |
| 29OCT17                            | -4 Days =  | 25 OCT 2017 | 2889 | THU | 1967           |
| 29OCT17                            | -5 Days =  | 24 OCT 2017 | 3105 | WED | 1996           |
| 29OCT17                            | -6 Days =  | 23 OCT 2017 | 3368 | TUE | 2072           |
| 29OCT17                            | -7 Days =  | 22 OCT 2017 | 3622 | MON | 2340           |
| 29OCT17                            | -8 Days =  | 21 OCT 2017 | 3853 | SUN | 2610           |
| 29OCT17                            | -9 Days =  | 20 OCT 2017 | 4063 | SAT | 2778           |
| 29OCT17                            | -10 Days = | 19 OCT 2017 | 4263 | FRI | 2833           |
| 29OCT17                            | -11 Days = | 18 OCT 2017 | 4485 | THU | 3083           |
| 29OCT17                            | -12 Days = | 17 OCT 2017 | 4716 | WED | 3270           |
| 29OCT17                            | -13 Days = | 16 OCT 2017 | 4908 | TUE | 3457           |

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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)   |
| 29 OCT 2017 |  |  | 11470     | 12109      | 14806     | 27618     |
| 28 OCT 2017 |  |  | 13040     | 14211      | 14667     | 20792     |
| 27 OCT 2017 |  |  | 13061     | 14269      | 15126     | 19125     |
| 26 OCT 2017 |  |  | 12485     | 14044      | 15405     | 19963     |
| 25 OCT 2017 |  |  | 12571     | 13431      | 14151     | 19236     |
| 24 OCT 2017 |  |  | 13110     | 13241      | 13423     | 17914     |
| 23 OCT 2017 |  |  | 13648     | 13471      | 13565     | 17692     |
| 22 OCT 2017 |  |  | 13608     | 13956      | 14319     | 17684     |
| 21 OCT 2017 |  |  | 13492     | 14143      | 14277     | 18003     |
| 20 OCT 2017 |  |  | 13403     | 14042      | 13775     | 17432     |
| 19 OCT 2017 |  |  | 13192     | 14051      | 13894     | 17296     |
| 18 OCT 2017 |  |  | 13250     | 13985      | 13707     | 18001     |
| 17 OCT 2017 |  |  | 13753     | 13888      | 13761     | 19140     |
| 16 OCT 2017 |  |  | 13719     | 14059      | 15021     | 19868     |

|             |  |  | 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)     |
| 29 OCT 2017 |  |  | 9         | 0         | 0         | 0         | 10          |
| 28 OCT 2017 |  |  | 31        | 0         | 0         | 0         | 25          |
| 27 OCT 2017 |  |  | 24        | 0         | 0         | 0         | 32          |
| 26 OCT 2017 |  |  | 13        | 0         | 0         | 0         | 27          |
| 25 OCT 2017 |  |  | 17        | 0         | 0         | 0         | 5           |
| 24 OCT 2017 |  |  | 49        | 0         | 0         | 0         | 1           |
| 23 OCT 2017 |  |  | 61        | 0         | 0         | 0         | 54          |
| 22 OCT 2017 |  |  | 28        | 0         | 0         | 0         | 41          |
| 21 OCT 2017 |  |  | 37        | 0         | 0         | 0         | 21          |
| 20 OCT 2017 |  |  | 21        | 0         | 0         | 0         | 42          |
| 19 OCT 2017 |  |  | 17        | 0         | 0         | 0         | 54          |
| 18 OCT 2017 |  |  | -7        | 0         | 0         | 0         | 71          |
| 17 OCT 2017 |  |  | 22        | 0         | 0         | 0         | 14          |
| 16 OCT 2017 |  |  | 27        | 0         | 0         | 0         | -NR-        |

|             |  |  | S-308     | Below S-308 | S-80      |
|-------------|--|--|-----------|-------------|-----------|
|             |  |  | Discharge | Discharge   | Discharge |
|             |  |  | (ALL DAY) | (ALL-DAY)   | (ALL-DAY) |
| DATE        |  |  | (AC-FT)   | (AC-FT)     | (AC-FT)   |
| 29 OCT 2017 |  |  | 7409      | 3488        | 9281      |
| 28 OCT 2017 |  |  | 9583      | 4553        | 8631      |
| 27 OCT 2017 |  |  | 8984      | 4999        | 8583      |
| 26 OCT 2017 |  |  | 10090     | 4835        | 8661      |
| 25 OCT 2017 |  |  | 9294      | 5566        | 8739      |
| 24 OCT 2017 |  |  | 8211      | 4894        | 8554      |
| 23 OCT 2017 |  |  | 9969      | 4827        | 8462      |
| 22 OCT 2017 |  |  | 11165     | 5360        | 8878      |
| 21 OCT 2017 |  |  | 9853      | 4876        | 8162      |
| 20 OCT 2017 |  |  | 8143      | 4728        | 7678      |
| 19 OCT 2017 |  |  | 8018      | 4724        | 8004      |
| 18 OCT 2017 |  |  | 8960      | 5361        | 7960      |
| 17 OCT 2017 |  |  | 9703      | 5370        | -NR-      |

16 OCT 2017    9328            5087            9308

\*\*\* 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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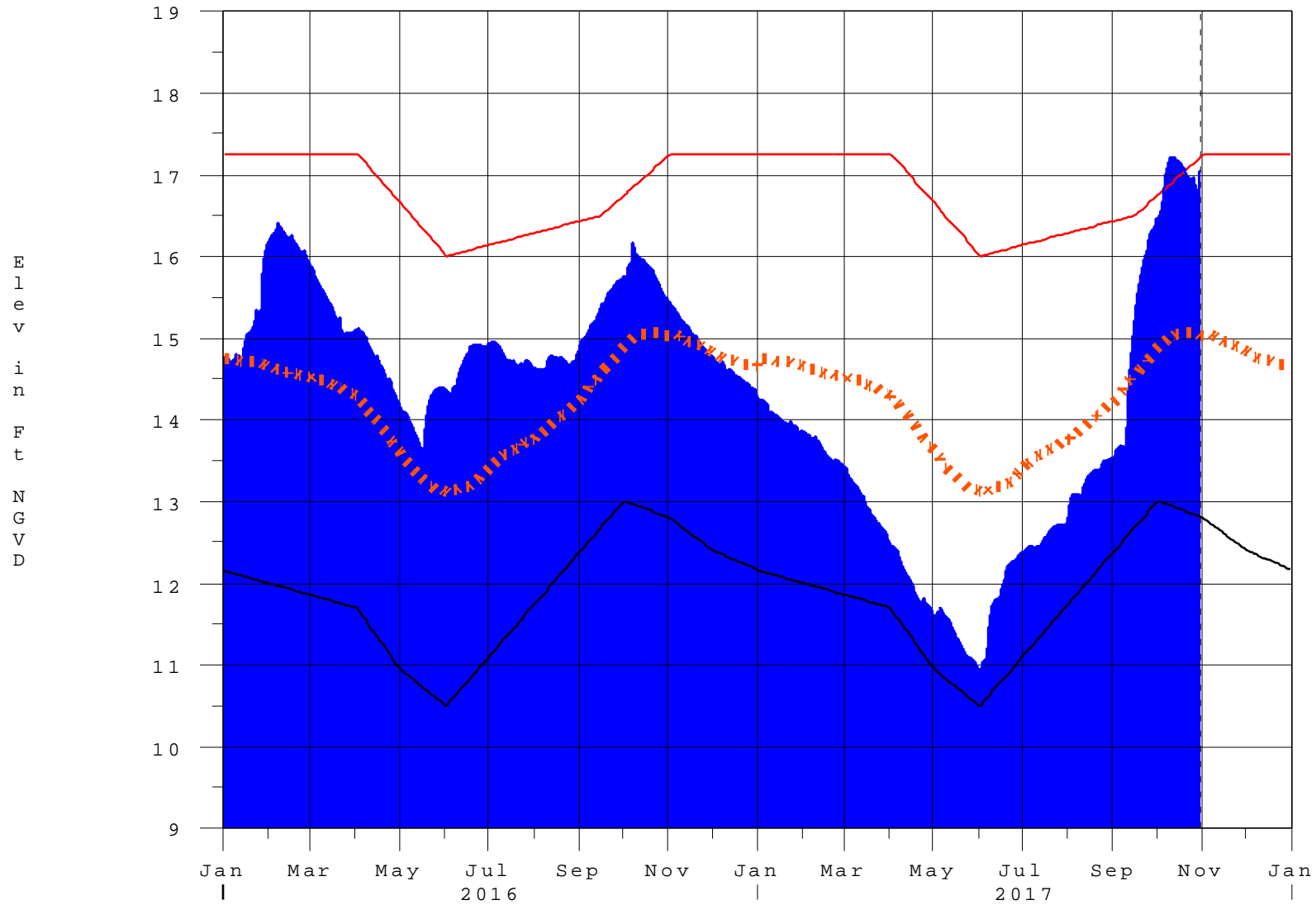
\* On 11 May 1999, Lake Okeechobee Elevation was switched from  
Instantaneous 2400 value to an average-daily lake average.  
On 14 Mar 2001, due to the isolation of various gages within the  
standard  
10 stations, the average of the interior 4 station gages was used  
as the Lake Okeechobee Elevation.  
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 30OCT2017 @ 11:39    \*\* Preliminary Data - Subject to Revision  
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# Lake Okeechobee

30OCT17 11:45:23



- 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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[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