

# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 7/25/2016 (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 Neutral 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 (Aug-Jan)        | N/A                           | N/A                       | 1.61                                | Wet                       | 2.77  | Very Wet                  | 3.50   | Very Wet                  |
| Multi Seasonal (Aug-Apr) | N/A                           | N/A                       | 1.69                                | Normal                    | 2.81  | Wet                       | 3.57   | 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:](#)

**1289 cfs** 14-day running average for Lake Okeechobee Net Inflow through 7/24/2016. According to the classification in [Tributary Hydrologic Conditions](#) table, this condition is Normal.

**-0.73** for Palmer Index on 7/23/2016.

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 7/25/2016

Lake Okeechobee Stage: **14.68 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            |                       | 16.25                         |                    |
| Operational Band                     | High sub-band         | 15.82                         |                    |
|                                      | Intermediate sub-band | 15.38                         |                    |
|                                      | Low sub-band          | 13.50                         | ← 14.68            |
| Base Flow sub-band                   |                       | 12.60                         |                    |
| Beneficial Use sub-band              |                       | 11.61                         |                    |
| Water Shortage Management Band       |                       |                               |                    |

**[Part C of LORS2008: Discharge to WCA's](#)**

Release Guidance Flow Chart Outcome: Up to Maximum Releases to the WCAs if Desirable or with Minimum Everglades Impacts

**[Part D of LORS2008: Discharge to Tidewater](#)**

Release Guidance Flow Chart Outcome: S-79 up to 3000 cfs and S-80 up to 1170 cfs

**Technical Input Summaries from:**

- [Lake Okeechobee Division](#)
- [Coastal Ecosystems](#)
- [Everglades Ecosystems Division](#)
- [Water Supply Department](#)
- [Water Resource Management Release Recommendation](#)
- [Kissimmee Watershed Environmental Conditions](#)
- [Operations Department](#)

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

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

## LORS2008 Implementation on 7/25/2016 (ENSO Neutral Condition):

### Status for week ending 7/25/2016:

District wide, Raindar rainfall was 1.60 inches for the week. Lake stage on 7/25/2016 was 14.68 ft, down 0.04 ft from last week.

The updated July 2016 SFWMM Dynamic Position Analysis [percentile graph](#) for Lake Okeechobee show that the current lake stage is in the Low Operational Sub-Band.

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

### Water Supply Risk Evaluation

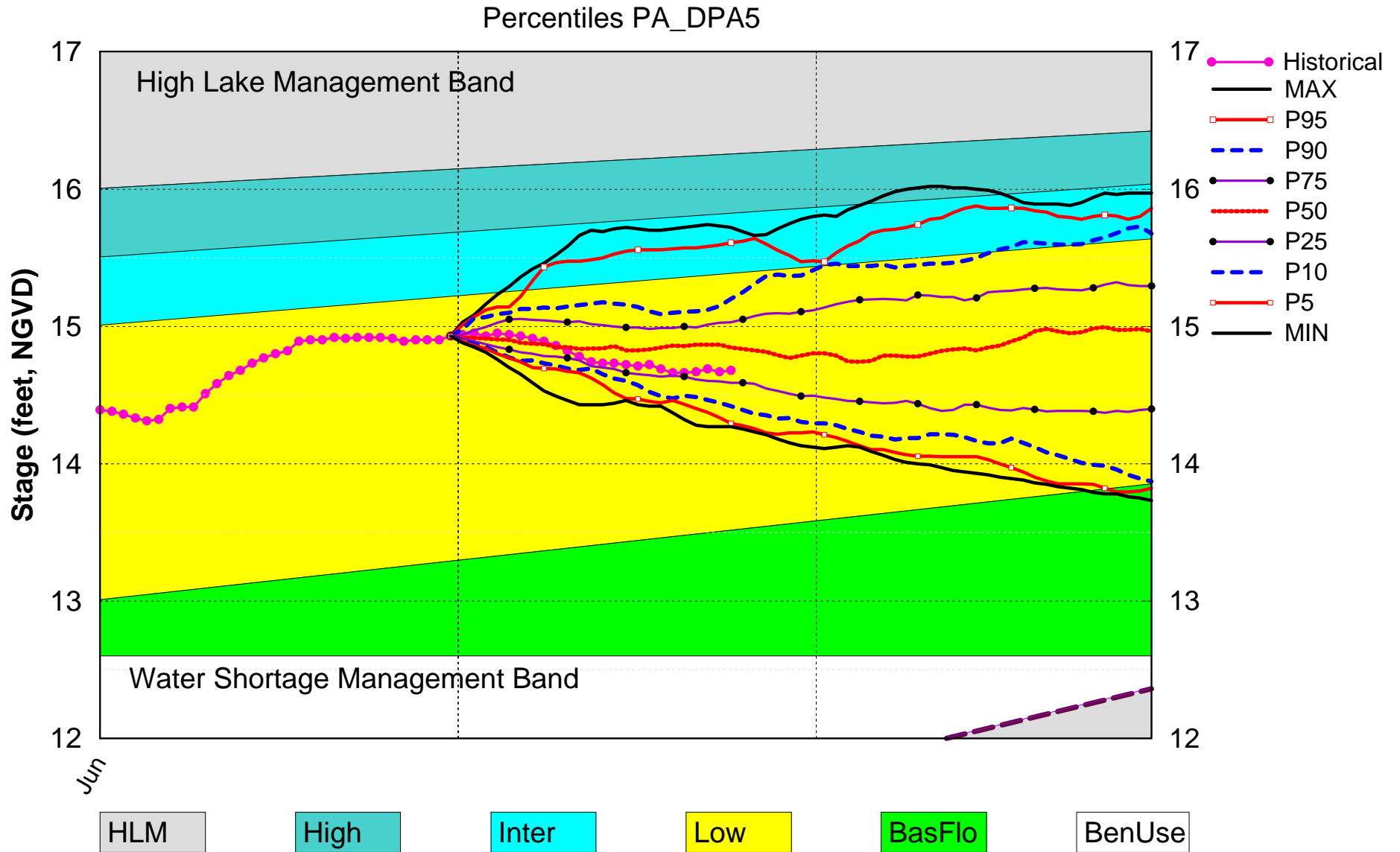
| Area | Indicator  | Value                                | Color Coded Scoring Scheme |
|------|--|--------------------------------------|----------------------------|
| LOK  | Projected LOK Stage for the next two months                  | Low Sub-Band                         | L                          |
|      | Palmer Index for LOK Tributary Conditions                    | -0.73<br>(Normal)                    | L                          |
|      | CPC Precipitation Outlook                                    | 1 month: Normal                      | L                          |
|      |  | 3 months: Above Normal               | L                          |
|      | LOK Seasonal Net Inflow Forecast<br>ENSO Neutral Years       | 2.77 ft<br>(Normal to Extremely Wet) | L                          |
|      | LOK Multi-Seasonal Net Inflow Forecast<br>ENSO Neutral Years | 2.81 ft (Normal)                     | M                          |
|      |  |                                      |                            |
| WCAs | WCA 1: Site 1-7, Site 1-8T, & Site 1-9 Average               | Above Line 1 (15.78 ft)              | L                          |
|      | WCA 2A: Site 2-17 HW   | Above Line1 (12.01 ft)               | L                          |
|      | WCA-3A: 3 Station Average (Site 63, 64 and 65)               | Above Line 1 (9.84 ft)               | L                          |
| LEC  | Service Area 1   | Year-Round Irrigation Rule in effect | L                          |
|      | Service Area 2   | Year-Round Irrigation Rule in effect | L                          |
|      | Service Area 3   | Year-Round Irrigation Rule in effect | L                          |

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

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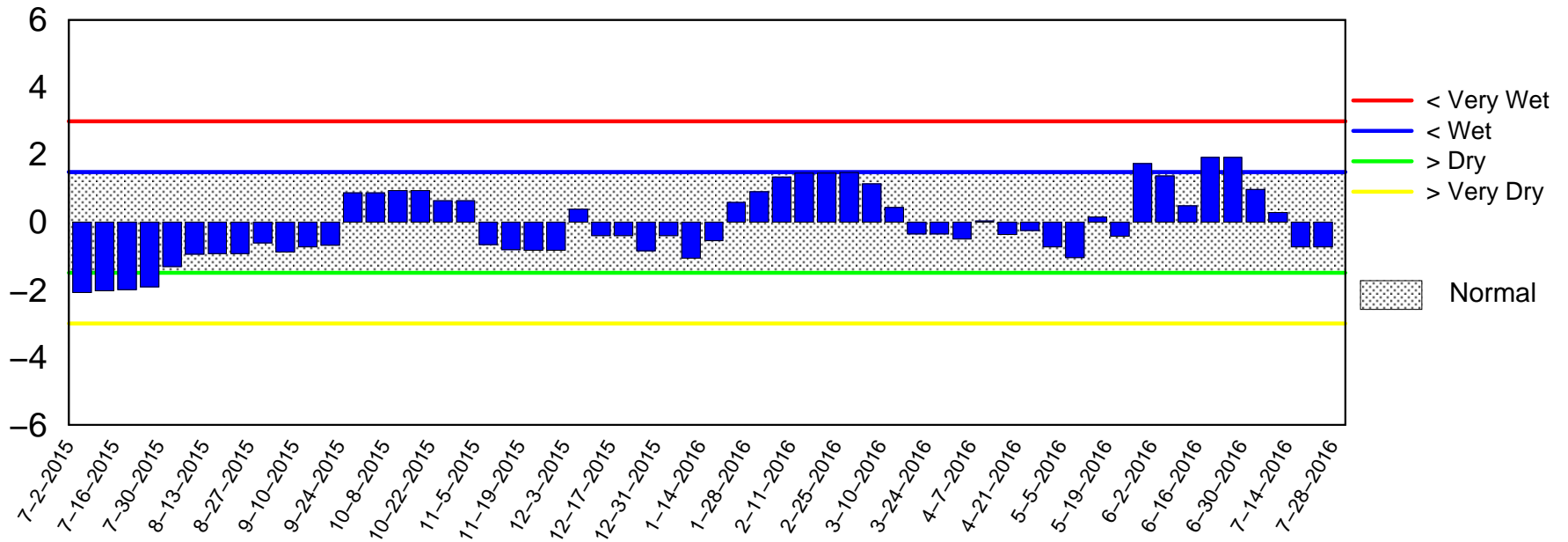
# Lake Okeechobee SFWMM July 2016 Position Analysis



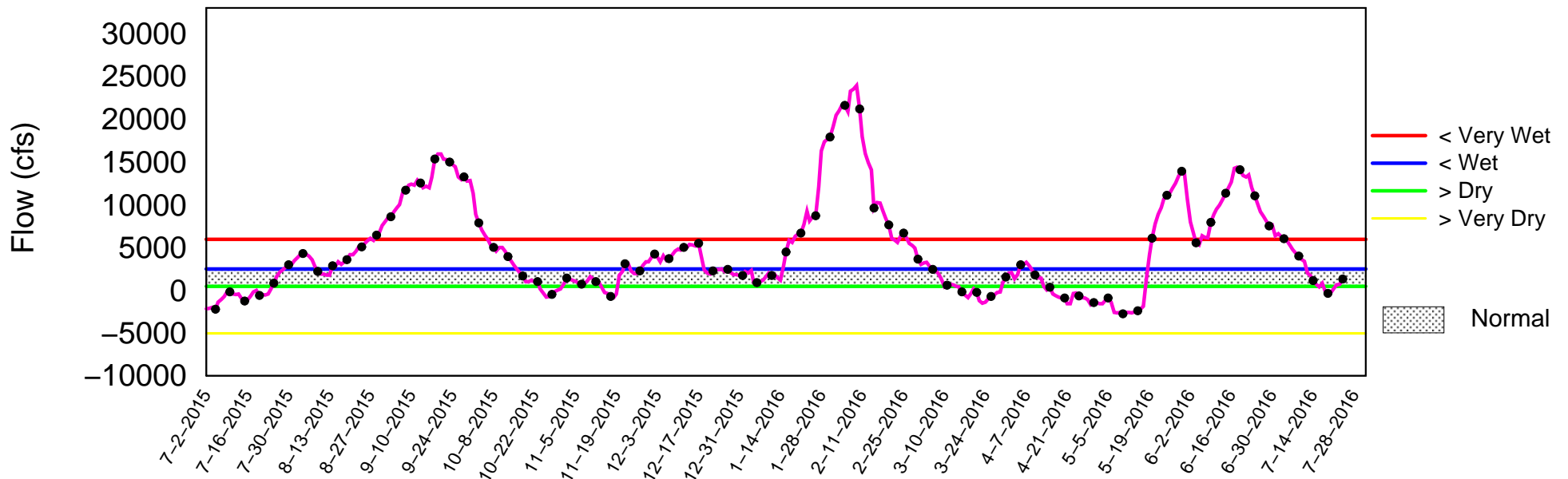
(See assumptions on the Position Analysis Results website)

# Tributary Basin Condition Indicators as of July 25 2016

## 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

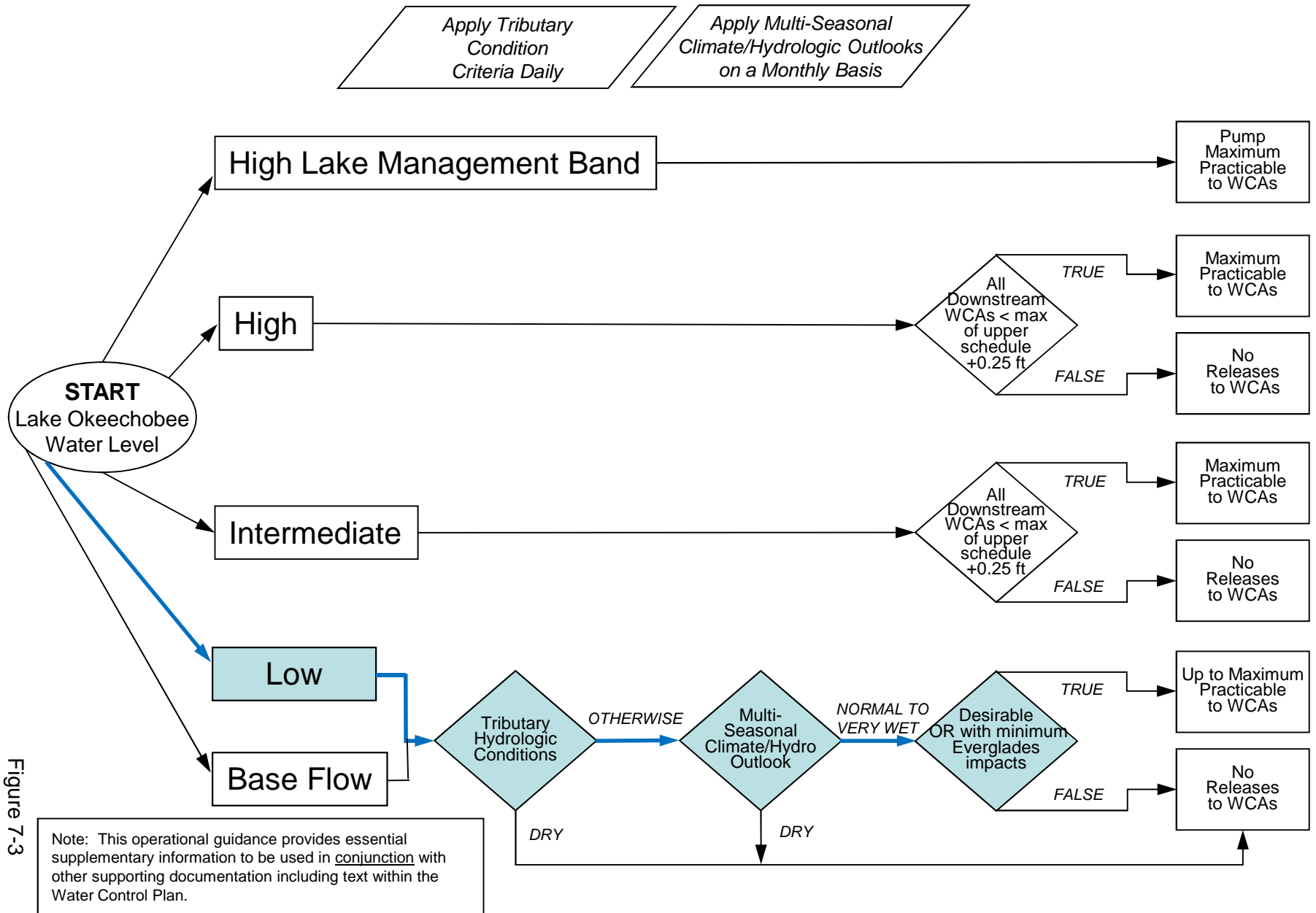


Figure 7-3

# 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

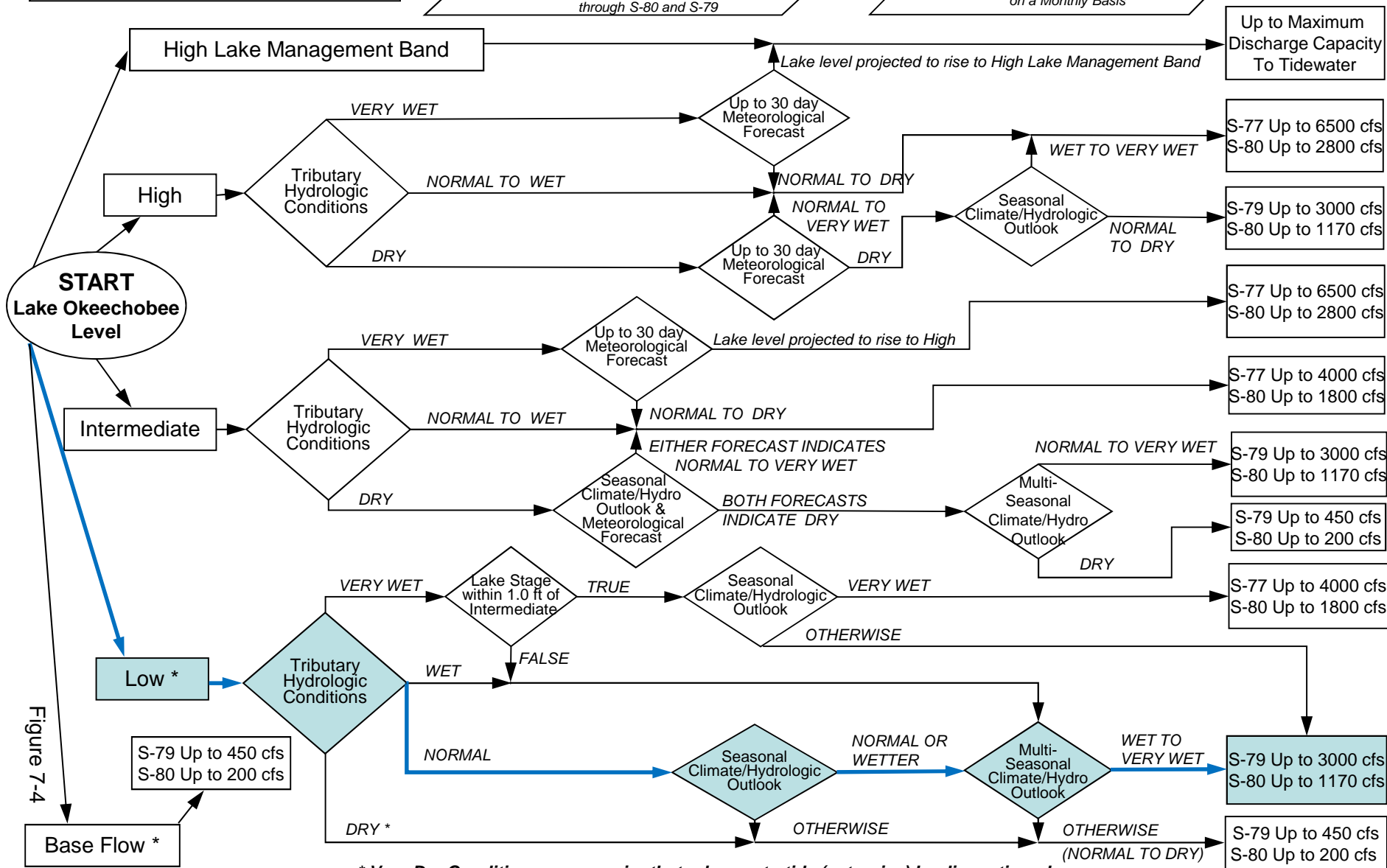
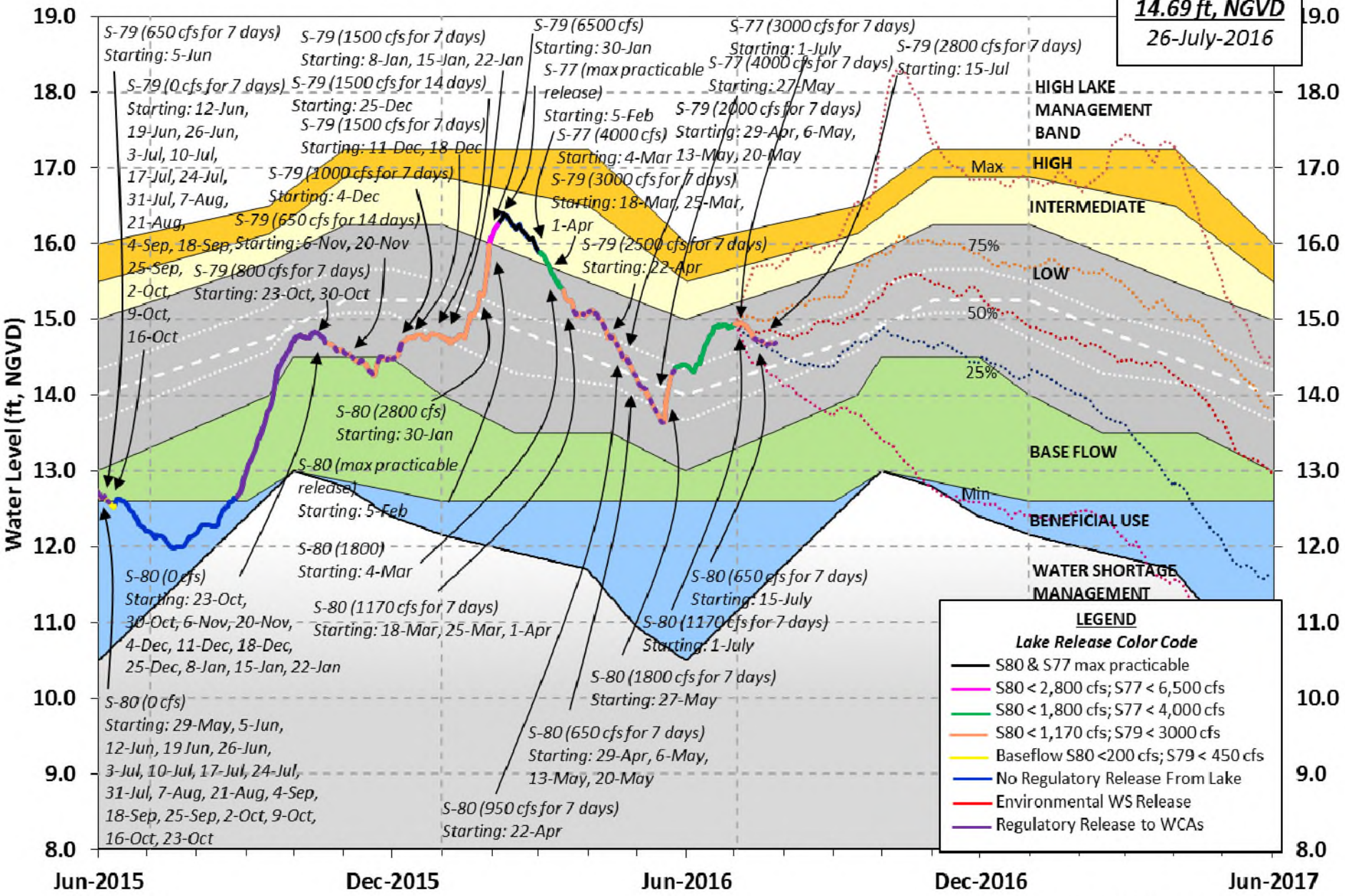


Figure 7-4



# Lake Okeechobee Water Level History and Projected Stages

**14.69 ft, NGVD**  
26-July-2016



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

Data Ending 2400 hours 24 JUL 2016

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Okeechobee Lake Regulation                Elevation      Last Year      2YRS Ago  
     (ft-NGVD)      (ft-NGVD)      (ft-NGVD)  
 \*Okeechobee Lake Elevation               14.68            12.04          13.78 (Official Elv)  
 Bottom of High Lake Mngmt= 16.25      Top of Water Short Mngmt= 11.60  
 Currently in Operational Management Band

Simulated Average LORS2008 [1965-2000]      12.61  
 Difference from Average LORS2008              2.07

24JUL (1965-2007) Period of Record Average      13.71  
 Difference from POR Average                      0.97

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

++Navigation Depth (Based on 2007 Channel Condition Survey) Route 1 ÷  
 8.62'  
 ++Navigation Depth (Based on 2008 Channel Condition Survey) Route 2 ÷  
 6.82'  
 Bridge Clearance = 49.31'

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

|       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|
| L001  | L005  | L006  | LZ40  | S4    | S352  | S308  | S133  |
| 14.60 | 14.72 | 14.68 | 14.65 | 14.66 | 14.82 | 14.63 | 14.68 |

\*Combination Okeechobee Avg-Daily Lake Average = 14.68  
 (\*See Note)

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Okeechobee Inflows (cfs):

|                |      |            |     |               |     |
|----------------|------|------------|-----|---------------|-----|
| S65E           | 1092 | C5         | -88 | Fisheating Cr | 500 |
| S154           | 0    | S191       | 0   | S135 Pumps    | 54  |
| S84            | 963  | S133 Pumps | 0   | S2 Pumps      | 0   |
| S84X           | 815  | S127 Pumps | 0   | S3 Pumps      | 0   |
| S71            | 127  | S129 Pumps | 65  | S4 Pumps      | 0   |
| S72            | 0    | S131 Pumps | 0   |               |     |
| Total Inflows: | 3527 |            |     |               |     |

Okeechobee Outflows (cfs):

|               |      |      |      |          |            |
|---------------|------|------|------|----------|------------|
| S135 Culverts | -NR- | S354 | 1215 | S77      | (Not Used) |
| S127 Culverts | 0    | S351 | 154  | S77Below | 350        |
| (USED)        |      |      |      |          |            |
| S129 Culverts | 0    | S352 | 248  | S308     | (Not Used) |

S131 Culverts        0        L8 Canal Pt        200        S308Below        866  
 (USED)  
 Total Outflows:    3033

\*\*\*\*S77 Structure outflow is being used to compute Total Outflow.  
 \*\*\*\*S308 Structure outflow is being used to compute Total Outflow.

Okeechobee Pan Evaporation (inches):  
 S77                    0.32                S308                    0.34  
 Average Pan Evap x 0.75 Pan Coefficient = 0.25" = 0.02'

Lake Average Precipitation using NEXRAD: = 0.18" = 0.02'

Evaporation - Precipitation:                                = 0.07" = 0.01'  
 Evaporation - Precipitation using Lake Area of 730 square miles  
 is equal to 1325 cfs out of the lake.  
 Lake Okeechobee (Change in Storage) Flow is 2118 cfs or 4200 AC-FT

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

| ---              | Headwater Tailwater    |           | Disch | ----- Gate Positions ----- |      |      |      |      |      |       |
|------------------|------------------------|-----------|-------|----------------------------|------|------|------|------|------|-------|
|                  | Elevation              | Elevation |       | #1                         | #2   | #3   | #4   | #5   | #6   | #7    |
| #8               | (ft-msl)               | (ft-msl)  | (cfs) | (ft)                       | (ft) | (ft) | (ft) | (ft) | (ft) | (ft)  |
|                  | (I) see note at bottom |           |       |                            |      |      |      |      |      |       |
| North East Shore |                        |           |       |                            |      |      |      |      |      |       |
| S133 Pumps:      | 13.43                  | 14.67     | 0     | 0                          | 0    | 0    | 0    | 0    | 0    | (cfs) |
| S193:            |                        |           |       |                            |      |      |      |      |      |       |
| S191:            | 19.04                  | 14.64     | 0     | 0.0                        | 0.0  | 0.0  |      |      |      |       |
| S135 Pumps:      |                        | -NR-      | 54    | 0                          | 0    | 0    | 62   |      |      | (cfs) |
| S135 Culverts:   |                        |           | -NR-  | -NR-                       | -NR- |      |      |      |      |       |
| North West Shore |                        |           |       |                            |      |      |      |      |      |       |
| S65E:            | 20.93                  | 14.68     | 1092  | 1.0                        | 1.0  | 1.0  | 0.5  | 0.5  | 0.5  |       |
| S127 Pumps:      | 13.51                  | 14.65     | 0     | 0                          | 0    | 0    | 0    | 0    | 0    | (cfs) |
| S127 Culvert:    |                        |           | 0     | 0.0                        |      |      |      |      |      |       |
| S129 Pumps:      | 12.78                  | 14.69     | 65    | 49                         | 18   | 0    |      |      |      | (cfs) |
| S129 Culvert:    |                        |           | 0     | 0.0                        |      |      |      |      |      |       |
| S131 Pumps:      | 13.02                  | 14.70     | 0     | 0                          | 0    |      |      |      |      | (cfs) |
| S131 Culvert:    |                        |           | 0     |                            |      |      |      |      |      |       |
| Fisheating Creek |                        |           |       |                            |      |      |      |      |      |       |
| nr Palmdale      |                        | 32.15     | 500   |                            |      |      |      |      |      |       |
| nr Lakeport      |                        |           |       |                            |      |      |      |      |      |       |
| C5:              | 14.74                  | 14.72     | -88   | 5.3                        | 5.2  | 5.3  |      |      |      |       |

South Shore

|             |       |       |      |     |     |     |     |     |  |       |
|-------------|-------|-------|------|-----|-----|-----|-----|-----|--|-------|
| S4 Pumps:   | 11.28 | 14.65 | 0    | 0   | 0   | 0   |     |     |  | (cfs) |
| S169:       | 14.65 | 11.27 | 0    | 0.0 | 0.0 | 0.0 |     |     |  |       |
| S310:       | 14.59 |       | 7    |     |     |     |     |     |  |       |
| S3 Pumps:   | 10.97 | 14.81 | 0    | 0   | 0   | 0   |     |     |  | (cfs) |
| S354:       | 14.81 | 10.97 | 1215 | 1.7 | 1.9 |     |     |     |  |       |
| S2 Pumps:   | 10.54 | 14.68 | 0    | 0   | 0   | 0   | 0   |     |  | (cfs) |
| S351:       | 14.68 | 10.54 | 154  | 0.0 | 0.0 | 0.0 |     |     |  |       |
| S352:       | 14.84 | 10.58 | 248  | 0.4 | 0.4 |     |     |     |  |       |
| C10A:       | -NR-  | 14.73 |      | 0.0 | 0.0 | 8.0 | 0.0 | 0.0 |  |       |
| L8 Canal PT |       | 14.54 | 200  |     |     |     |     |     |  |       |

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S351 and S352 Temporary Pumps/S354 Spillway

|       |       |       |      |                          |
|-------|-------|-------|------|--------------------------|
| S351: | 10.54 | 14.68 | 154  | -NR--NR--NR--NR--NR--NR- |
| S352: | 10.58 | 14.84 | 248  | -NR--NR--NR--NR-         |
| S354: | 10.97 | 14.81 | 1215 | -NR--NR--NR--NR-         |

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Caloosahatchee River (S77, S78, S79)

|                           |       |       |     |     |     |     |     |     |     |     |
|---------------------------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-----|
| S47B:                     | 14.17 | 11.26 |     | 0.5 | 0.5 |     |     |     |     |     |
| S47D:                     | 11.24 | 11.23 | 79  | 6.0 |     |     |     |     |     |     |
| S77:                      |       |       |     |     |     |     |     |     |     |     |
| Spillway and Sector Flow: |       |       |     |     |     |     |     |     |     |     |
| 14.75                     | 11.31 | 350   | 0.0 | 2.0 | 0.0 | 0.0 |     |     |     |     |
| Flow Due to Lockages+:    |       | 3     |     |     |     |     |     |     |     |     |
| S77 Below USGS Flow Gage  |       | 350   |     |     |     |     |     |     |     |     |
| S78:                      |       |       |     |     |     |     |     |     |     |     |
| Spillway and Sector Flow: |       |       |     |     |     |     |     |     |     |     |
| 11.34                     | 3.13  | 880   | 0.0 | 0.0 | 2.5 | 0.0 |     |     |     |     |
| Flow Due to Lockages+:    |       | 8     |     |     |     |     |     |     |     |     |
| S79:                      |       |       |     |     |     |     |     |     |     |     |
| Spillway and Sector Flow: |       |       |     |     |     |     |     |     |     |     |
| 3.20                      | 1.65  | 3765  | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| 2.0                       |       |       |     |     |     |     |     |     |     |     |
| Flow Due to Lockages+:    |       | 6     |     |     |     |     |     |     |     |     |
| Percent of flow from S77  |       | 12%   |     |     |     |     |     |     |     |     |
| Chloride (ppm)            |       | 43    |     |     |     |     |     |     |     |     |

St. Lucie Canal (S308, S80)

|                           |       |       |     |     |     |     |     |     |     |  |
|---------------------------|-------|-------|-----|-----|-----|-----|-----|-----|-----|--|
| S308:                     |       |       |     |     |     |     |     |     |     |  |
| Spillway and Sector Flow: |       |       |     |     |     |     |     |     |     |  |
| 14.65                     | 14.19 | 866   | 2.0 | 2.0 | 2.0 | 2.0 |     |     |     |  |
| Flow Due to Lockages+:    |       | 0     |     |     |     |     |     |     |     |  |
| S308 Below USGS Flow Gage |       | 866   |     |     |     |     |     |     |     |  |
| S153:                     | 18.57 | 14.01 | 117 | 0.0 | 0.0 |     |     |     |     |  |
| S80:                      |       |       |     |     |     |     |     |     |     |  |
| Spillway and Sector Flow: |       |       |     |     |     |     |     |     |     |  |
| 14.27                     | 0.60  | 1099  | 0.4 | 0.4 | 0.4 | 0.0 | 0.4 | 0.3 | 0.0 |  |
| Flow Due to Lockages+:    |       | 6     |     |     |     |     |     |     |     |  |
| Percent of flow from S308 |       | 86%   |     |     |     |     |     |     |     |  |

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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|                                       |          |          |          |           | ----- 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     | 0.01     | 207       | 1              |  |
| S78:                                  | 0.00     | 1.03     | 2.50     | 210       | 2              |  |
| S79:                                  | 0.00     | 0.00     | 0.00     | 175       | 2              |  |
| 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:                                 | *****    | *****    | *****    | 95        | 0              |  |
| S80:                                  | 0.39     | 0.98     | 1.95     | 305       | 2              |  |
| Okeechobee Average                    | *****    | 5013.77  | 6573.46  |           |                |  |
| (Sites S78, S79 and S80 not included) |          |          |          |           |                |  |
| -----                                 |          |          |          |           |                |  |
| Oke Nexrad Basin Avg                  | 0.18     | 0.33     | 1.01     |           |                |  |
| -----                                 |          |          |          |           |                |  |

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|                            |             |       |                 |  |  |  |
|----------------------------|-------------|-------|-----------------|--|--|--|
| Okeechobee Lake Elevations | 24 JUL 2016 | 14.68 | Difference from |  |  |  |
| 24JUL16                    |             |       |                 |  |  |  |
| 24JUL16 -1 Day =           | 23 JUL 2016 | 14.67 | -0.01           |  |  |  |
| 24JUL16 -2 Days =          | 22 JUL 2016 | 14.69 | 0.01            |  |  |  |
| 24JUL16 -3 Days =          | 21 JUL 2016 | 14.67 | -0.01           |  |  |  |
| 24JUL16 -4 Days =          | 20 JUL 2016 | 14.66 | -0.02           |  |  |  |
| 24JUL16 -5 Days =          | 19 JUL 2016 | 14.66 | -0.02           |  |  |  |
| 24JUL16 -6 Days =          | 18 JUL 2016 | 14.69 | 0.01            |  |  |  |
| 24JUL16 -7 Days =          | 17 JUL 2016 | 14.72 | 0.04            |  |  |  |
| 24JUL16 -30 Days =         | 24 JUN 2016 | 14.92 | 0.24            |  |  |  |
| 24JUL16 -1 Year =          | 24 JUL 2015 | 12.04 | -2.64           |  |  |  |
| 24JUL16 -2 Year =          | 24 JUL 2014 | 13.78 | -0.90           |  |  |  |

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

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Lake Okeechobee Net Inflow (LONIN)

|         |            | Average Flow over the previous 14 days |      |     | Avg-Daily Flow |
|---------|------------|--|------|-----|----------------|
| 24JUL16 | Today =    | 24 JUL 2016                            | 1290 | MON | 4802           |
| 24JUL16 | -1 Day =   | 23 JUL 2016                            | 695  | SUN | -853           |
| 24JUL16 | -2 Days =  | 22 JUL 2016                            | 683  | SAT | 6756           |
| 24JUL16 | -3 Days =  | 21 JUL 2016                            | 188  | FRI | 4227           |
| 24JUL16 | -4 Days =  | 20 JUL 2016                            | -218 | THU | 2763           |
| 24JUL16 | -5 Days =  | 19 JUL 2016                            | -346 | WED | -3656          |
| 24JUL16 | -6 Days =  | 18 JUL 2016                            | 25   | TUE | -2976          |
| 24JUL16 | -7 Days =  | 17 JUL 2016                            | 541  | MON | 6639           |
| 24JUL16 | -8 Days =  | 16 JUL 2016                            | 405  | SUN | 2515           |
| 24JUL16 | -9 Days =  | 15 JUL 2016                            | 739  | SAT | 2026           |
| 24JUL16 | -10 Days = | 14 JUL 2016                            | 1117 | FRI | 3390           |
| 24JUL16 | -11 Days = | 13 JUL 2016                            | 1721 | THU | 853            |
| 24JUL16 | -12 Days = | 12 JUL 2016                            | 2048 | WED | -4626          |
| 24JUL16 | -13 Days = | 11 JUL 2016                            | 2793 | TUE | -3806          |

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S65E

|         |            | Average Flow over previous 14 days |      |     | Avg-Daily Flow |
|---------|------------|------------------------------------|------|-----|----------------|
| 24JUL16 | Today=     | 24 JUL 2016                        | 1306 | MON | 1226           |
| 24JUL16 | -1 Day =   | 23 JUL 2016                        | 1311 | SUN | 1411           |
| 24JUL16 | -2 Days =  | 22 JUL 2016                        | 1321 | SAT | 1427           |
| 24JUL16 | -3 Days =  | 21 JUL 2016                        | 1336 | FRI | 1166           |
| 24JUL16 | -4 Days =  | 20 JUL 2016                        | 1399 | THU | 1351           |
| 24JUL16 | -5 Days =  | 19 JUL 2016                        | 1452 | WED | 1310           |
| 24JUL16 | -6 Days =  | 18 JUL 2016                        | 1538 | TUE | 1383           |
| 24JUL16 | -7 Days =  | 17 JUL 2016                        | 1612 | MON | 1395           |
| 24JUL16 | -8 Days =  | 16 JUL 2016                        | 1700 | SUN | 1315           |
| 24JUL16 | -9 Days =  | 15 JUL 2016                        | 1809 | SAT | 1262           |
| 24JUL16 | -10 Days = | 14 JUL 2016                        | 1942 | FRI | 1464           |
| 24JUL16 | -11 Days = | 13 JUL 2016                        | 2079 | THU | 1273           |
| 24JUL16 | -12 Days = | 12 JUL 2016                        | 2230 | WED | 1144           |
| 24JUL16 | -13 Days = | 11 JUL 2016                        | 2393 | TUE | 1156           |

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Lake Okeechobee Outlets Last 14 Days

| DATE        | S-77<br>Discharge<br>(ALL DAY)<br>(AC-FT) | Below S-77<br>Discharge<br>(ALL-DAY)<br>(AC-FT) | S-78<br>Discharge<br>(ALL DAY)<br>(AC-FT) | S-79<br>Discharge<br>(ALL DAY)<br>(AC-FT) |
|-------------|---|---|---|---|
| 24 JUL 2016 |   | 694   | 1762                                      | 7477                                      |
| 23 JUL 2016 |   | 1020  | 1749                                      | 8440                                      |
| 22 JUL 2016 |   | 1223  | 1687                                      | 6310                                      |
| 21 JUL 2016 |   | 524   | 1745                                      | 4934                                      |
| 20 JUL 2016 |   | 563   | 1834                                      | 5884                                      |
| 19 JUL 2016 |   | 772   | 993                                       | 4901                                      |
| 18 JUL 2016 |   | 2737  | 3161                                      | 6633                                      |
| 17 JUL 2016 |   | 3921  | 3750                                      | 8440                                      |
| 16 JUL 2016 |   | 3581  | 3915                                      | 7861                                      |
| 15 JUL 2016 |   | 3931  | 3875                                      | 7476                                      |

|             |      |      |      |
|-------------|------|------|------|
| 14 JUL 2016 | 4894 | 4442 | 8407 |
| 13 JUL 2016 | 4307 | 3496 | 6398 |
| 12 JUL 2016 | 4012 | 3460 | 6158 |
| 11 JUL 2016 | 4187 | 3490 | 6613 |

|             | 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)     |
| 24 JUL 2016 | 13        | 305       | 492       | 1719      | 396         |
| 23 JUL 2016 | 0         | 545       | 531       | 1727      | 327         |
| 22 JUL 2016 | -27       | 623       | 549       | 1045      | 299         |
| 21 JUL 2016 | -80       | 1241      | 754       | 803       | 420         |
| 20 JUL 2016 | 7         | 1225      | 765       | 1360      | 622         |
| 19 JUL 2016 | 103       | 1200      | 307       | 946       | 609         |
| 18 JUL 2016 | 145       | 1005      | 190       | 200       | 600         |
| 17 JUL 2016 | 63        | 752       | 256       | 839       | 606         |
| 16 JUL 2016 | 93        | 363       | 339       | 1152      | 625         |
| 15 JUL 2016 | 165       | 516       | 137       | 1321      | 626         |
| 14 JUL 2016 | 207       | 224       | 91        | 736       | 629         |
| 13 JUL 2016 | 171       | 238       | 224       | 369       | 636         |
| 12 JUL 2016 | 168       | 611       | 79        | 101       | 641         |
| 11 JUL 2016 | 103       | 305       | 180       | 236       | 635         |

|             | S-308     | Below S-308 | S-80      |
|-------------|-----------|-------------|-----------|
|             | Discharge | Discharge   | Discharge |
|             | (ALL DAY) | (ALL-DAY)   | (ALL-DAY) |
| DATE        | (AC-FT)   | (AC-FT)     | (AC-FT)   |
| 24 JUL 2016 |           | 1717        | 1227      |
| 23 JUL 2016 |           | 2555        | 1586      |
| 22 JUL 2016 |           | 1259        | 723       |
| 21 JUL 2016 |           | 441         | 20        |
| 20 JUL 2016 |           | 942         | 170       |
| 19 JUL 2016 |           | 1515        | 648       |
| 18 JUL 2016 |           | 1962        | 865       |
| 17 JUL 2016 |           | 2593        | 1255      |
| 16 JUL 2016 |           | 3126        | 1570      |
| 15 JUL 2016 |           | 1686        | 690       |
| 14 JUL 2016 |           | 147         | 23        |
| 13 JUL 2016 |           | 116         | 16        |
| 12 JUL 2016 |           | 2178        | 662       |
| 11 JUL 2016 |           | 3905        | 2079      |

\*\*\* 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 Okeechobee 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)

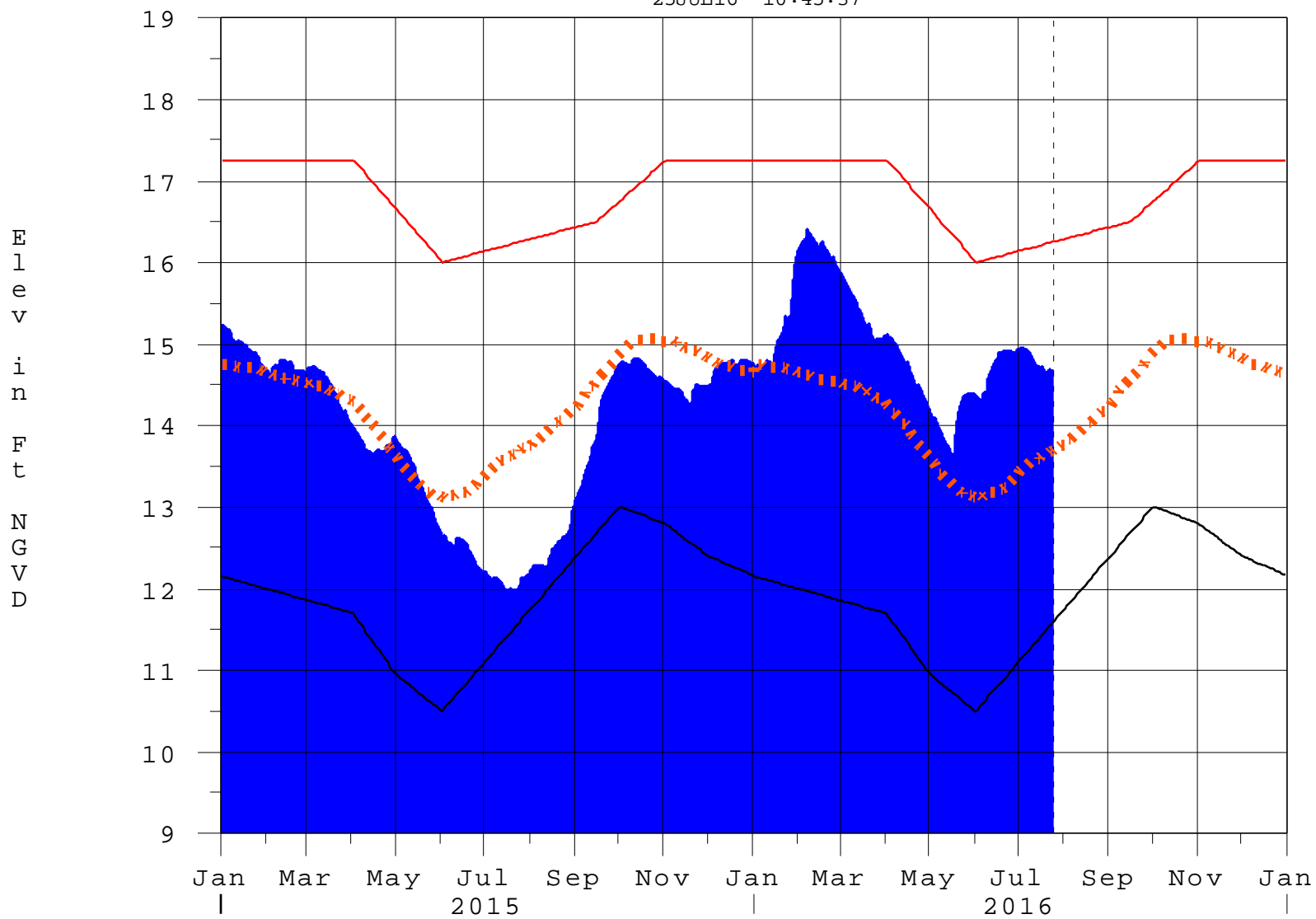
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Report Generated 25JUL2016 @ 10:39 \*\* Preliminary Data - Subject to Revision \*\*



# Lake Okeechobee

25JUL16 10:45:37



- 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 Prediction</b><br><b>[million acre-feet]</b> | <b>Equivalent Depth**</b><br><b>[feet]</b> | <b>Lake Okeechobee Net Inflow Seasonal Outlook</b> |
|---|--|--|
| > 0.93  | > 2.0                                      | Very Wet   |
| 0.71 to 0.93  | 1.51 to 2.0                                | Wet  |
| 0.35 to 0.70  | 0.75 to 1.5                                | Normal   |
| < 0.35  | < 0.75                                     | Dry  |

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

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

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