

# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 11/29/2021 (ENSO Condition: La Nina watch)

## 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 ENSO Neutral years<sup>3</sup> and a sub-sampling of warm years of the Atlantic Multi-decadal Oscillation (AMO) in combination with ENSO Neutral 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 La Nina Years <sup>3</sup> |                  | Sub-sampling of AMO Warm + La Nina Years <sup>4</sup> |                  |
|--------------------------|-------------------------------|------------------|-------------------------------------|------------------|--|------------------|---|------------------|
|                          | Value (ft)                    | <u>Condition</u> | Value (ft)                          | <u>Condition</u> | Value (ft)                                 | <u>Condition</u> | Value (ft)  | <u>Condition</u> |
| Current (Oct-Mar)        | N/A                           | N/A              | 0.64                                | Dry              | -0.18                                      | Dry              | -0.19   | Dry              |
| Multi Seasonal (Oct-Apr) | N/A                           | N/A              | 3.25                                | Wet              | 2.47                                       | Normal           | 2.27  | 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.

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

## ***Tributary Hydrologic Conditions Graph:***

**-277 cfs** 14-day running average for Lake Okeechobee Net Inflow through 11/29/2021. According to the classification in Tributary Hydrologic Conditions table, this condition is Dry.

**-1.62** for Palmer Drought Index on 11/27/2021. According to the classification in Tributary Hydrologic Conditions table, this condition is Dry.

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

## **LORS2008 Classification Tables:**

### **Lake Okeechobee Stage on 11/29/2021:**

Lake Okeechobee Stage: **15.98 feet**

| Lake Okeechobee Management Zone/Band |                       | Bottom Elevation (feet, NGVD) | Current Lake Stage |
|--------------------------------------|-----------------------|-------------------------------|--------------------|
| High Lake Management Band            |                       | 17.25                         |                    |
| Operational Band                     | High sub-band         | 16.88                         |                    |
|                                      | Intermediate sub-band | 16.25                         |                    |
|                                      | Low sub-band          | 14.50                         | ← 15.98 ft         |
| Base Flow sub-band                   |                       | 12.75                         |                    |
| Beneficial Use sub-band              |                       | 12.43                         |                    |
| Water Shortage Management Band       |                       |                               |                    |

**Part C of LORS2008: Discharge to WCAs**

No releases to WCAs.

**Part D of LORS2008: Discharge to Tide**

Up to 450 cfs at S-79 and up to 200 cfs at S-80.

## **LORS2008 Implementation on 11/29/2021 (ENSO Condition- La Nina Watch):**

**Status for week ending 11/29/2021:**

### **Water Supply Risk Evaluation**

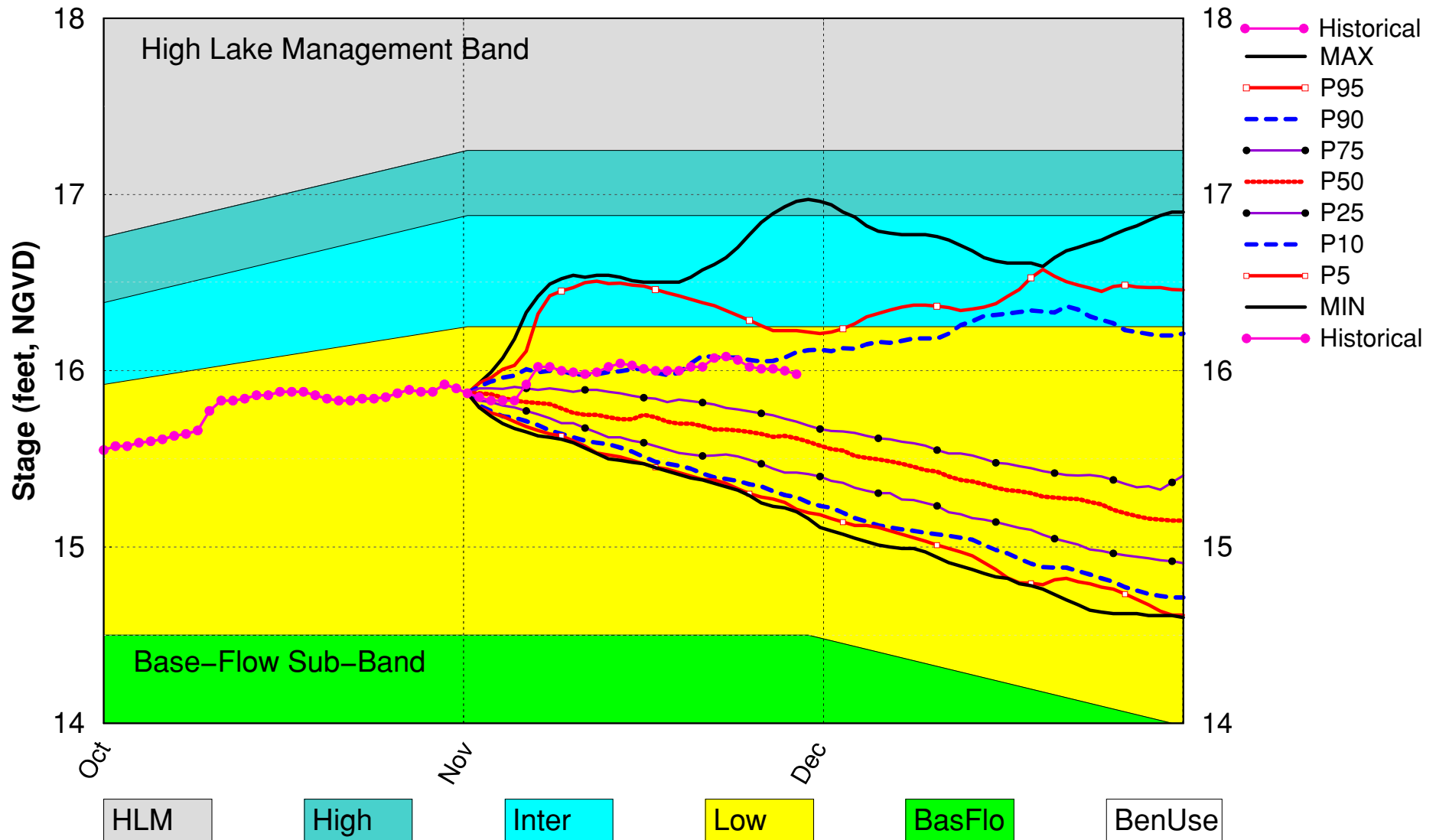
| <b>Area</b> | <b>Indicator</b>                                   | <b>Value</b>                         | <b>Color Coded Scoring Scheme</b> |
|-------------|--|--------------------------------------|-----------------------------------|
| <b>LOK</b>  | Projected LOK Stage for the next two months        | Low Sub-band                         | M                                 |
|             | Palmer Drought Index for LOK Tributary Conditions  | -1.62 (Dry)                          | M                                 |
|             | CPC Precipitation Outlook                          | 1 month: Below Normal                | M                                 |
|             |  | 3 months: Below Normal               | H                                 |
|             | LOK Seasonal Net Inflow Outlook                    | -0.18 ft                             | H                                 |
|             | ENSO Forecast                                      | Extremely Dry                        |                                   |
|             | LOK Multi-Seasonal Net Inflow Outlook              | 2.47 ft                              | M                                 |
|             | ENSO Forecast                                      | Normal                               |                                   |
| <b>WCAs</b> | WCA 1: 3 Station Average (Sites 1-7, 1-8T and 1-9) | Above Line 1 (17.43 ft)              | L                                 |
|             | WCA 2A: Site 2-17                                  | Above Line 1 (13.33 ft)              | L                                 |
|             | WCA-3A: 3 Station Average (Sites 63, 64, and 65)   | Above Line 1 (10.46 ft)              | L                                 |
| <b>LEC</b>  | 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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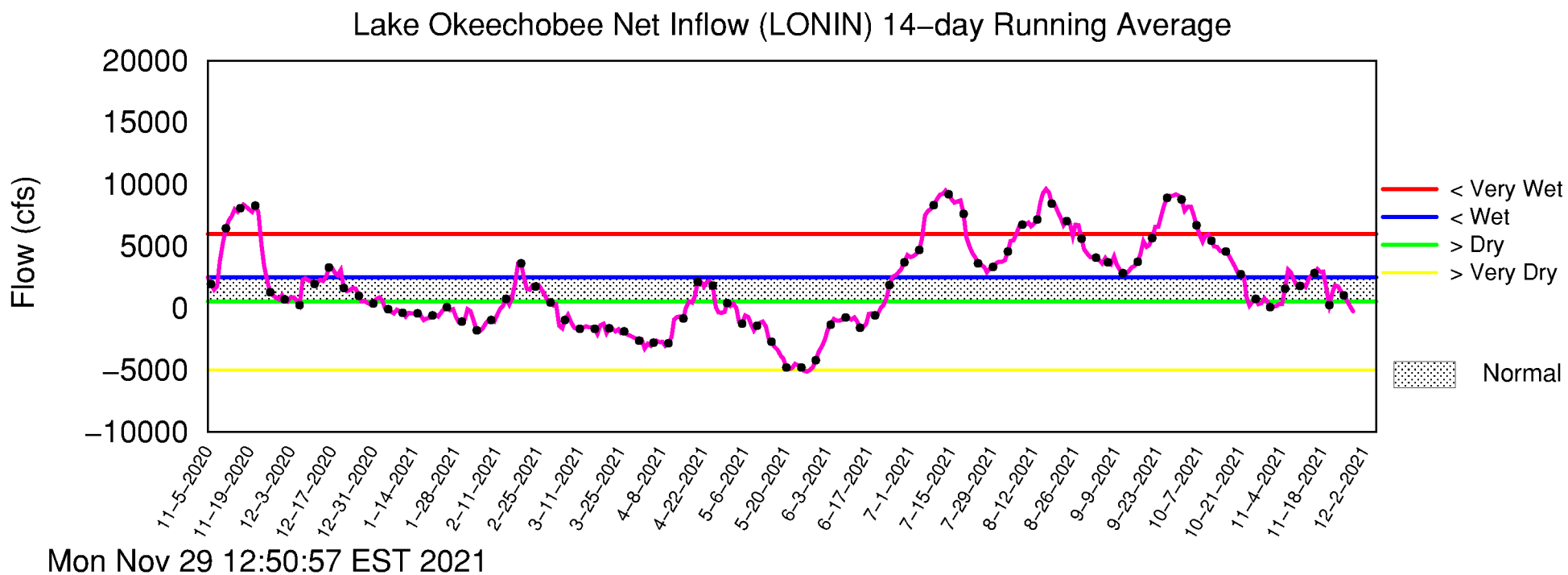
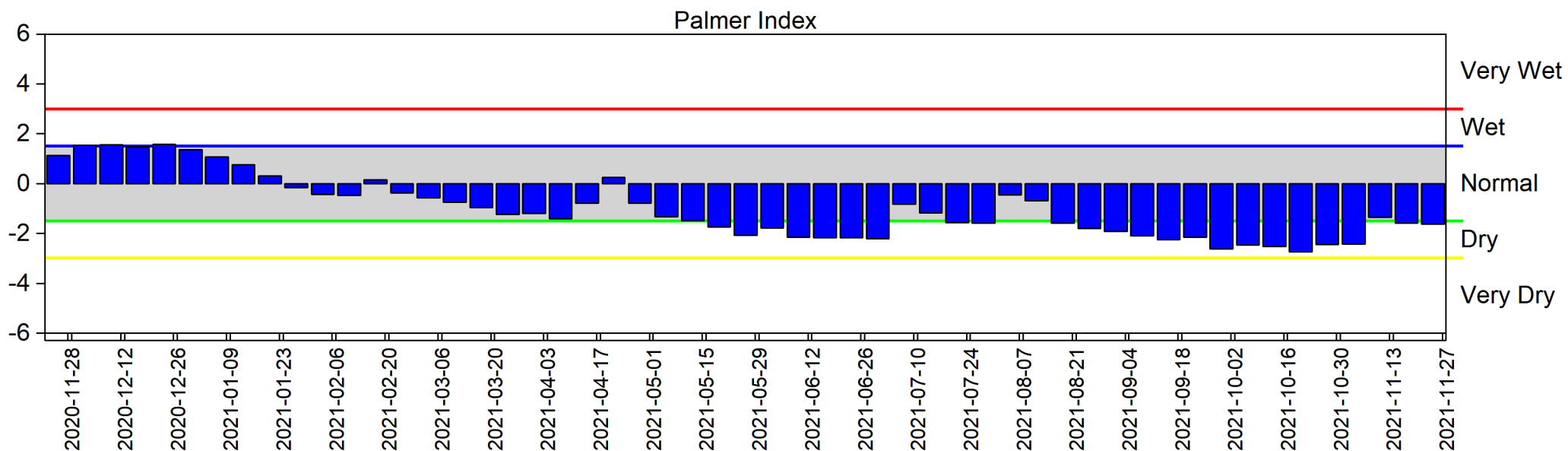
# Lake Okeechobee SFWMM Nov 2021 Position Analysis

Percentiles PA\_DPA



(See assumptions on the Position Analysis Results website)

# Tributary Basin Condition Indicators as of November 29 2021



Mon Nov 29 12:50:57 EST 2021

# 2008 LORS

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

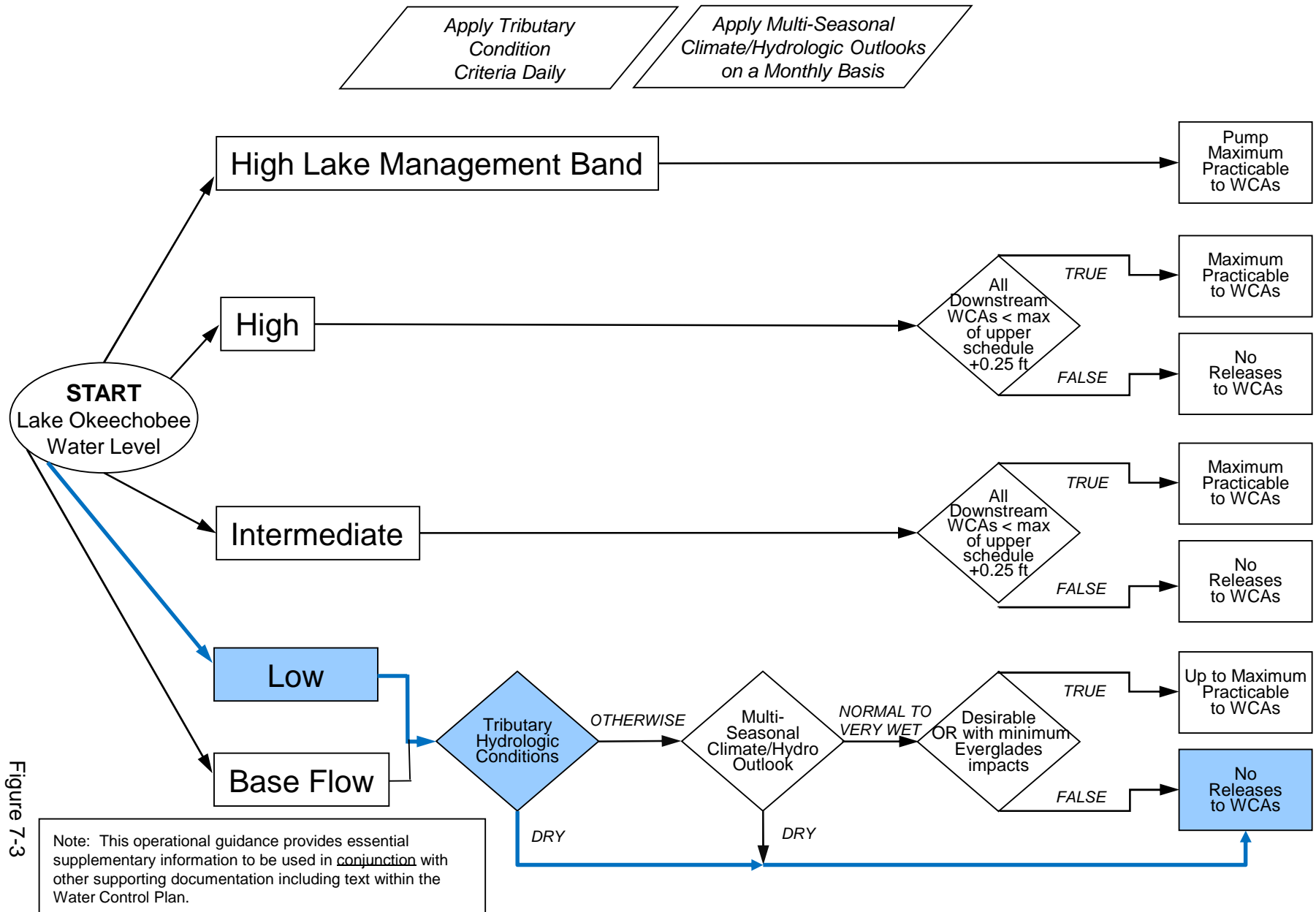
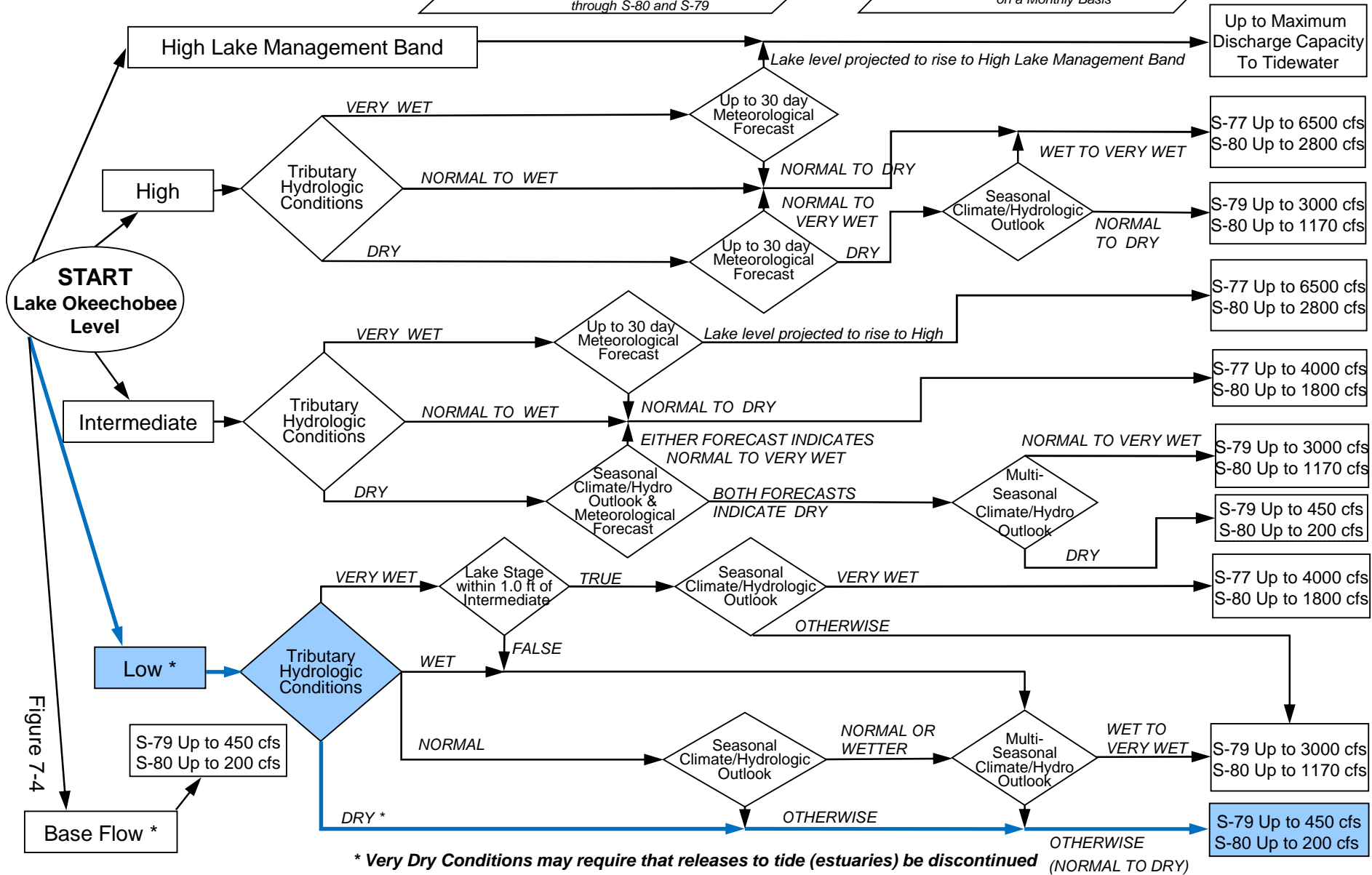


Figure 7-3

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

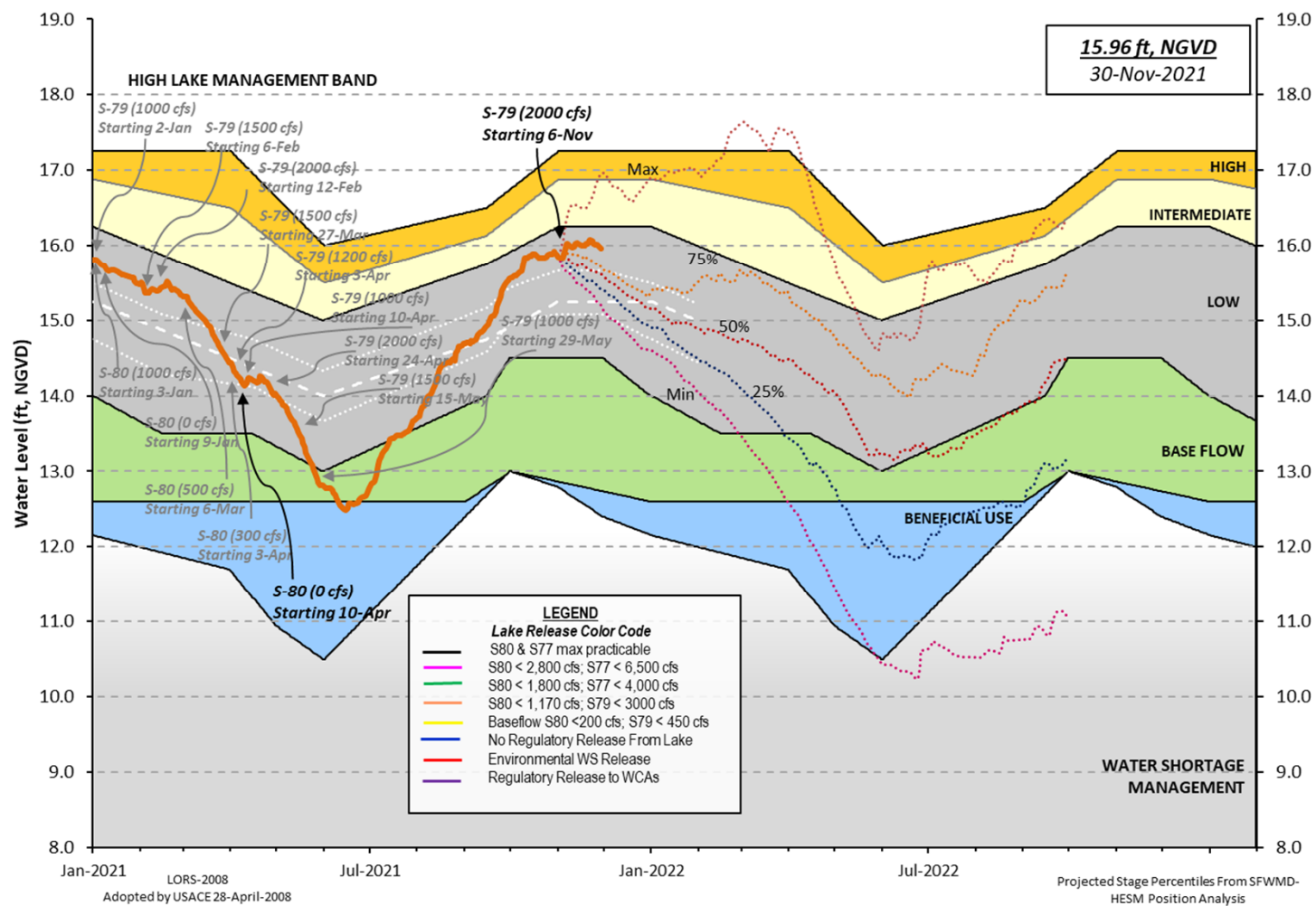
*When conducting Base Flow releases,  
flows can be distributed East and West  
up to 650 cfs as needed  
to minimize impacts or provide benefits  
through S-80 and S-79*

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





## Lake Okeechobee Water Level History and Projected Stages



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

Data Ending 2400 hours 28 NOV 2021

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| Okeechobee Lake Regulation                                       | Elevation<br>(ft-NGVD) | Last Year<br>(ft-NGVD) | 2YRS Ago<br>(ft-NGVD) |
|--|------------------------|------------------------|-----------------------|
| *Okeechobee Lake Elevation                                       | 15.98                  | 16.15                  | 13.12 (Official Elv)  |
| Bottom of High Lake Mngmt= 17.25 Top of Water Short Mngmt= 12.43 |                        |                        |                       |
| Currently in Operational Management Band                         |                        |                        |                       |

|  |       |
|--|-------|
| Simulated Average LORS2008 [1965-2000] | 13.80 |
| Difference from Average LORS2008       | 2.18  |

|  |       |
|--|-------|
| 28NOV (1965-2007) Period of Record Average | 14.86 |
| Difference from POR Average                | 1.12  |

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

++Navigation Depth (Based on 2007 Channel Condition Survey) Route 1 ÷ 9.92'  
++Navigation Depth (Based on 2008 Channel Condition Survey) Route 2 ÷ 8.12'  
Bridge Clearance = 49.38'

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

|       |       |      |      |       |       |       |       |
|-------|-------|------|------|-------|-------|-------|-------|
| L001  | L005  | L006 | LZ40 | S4    | S352  | S308  | S133  |
| 15.92 | 15.98 | -NR- | -NR- | 16.01 | 16.10 | 15.95 | 15.86 |

\*Combination Okeechobee Avg-Daily Lake Average = 15.98  
(\*See Note)

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Okeechobee Inflows (cfs):

|                |     |            |   |               |    |
|----------------|-----|------------|---|---------------|----|
| S65E           | 526 | S65EX1     | 0 | Fisheating Cr | 77 |
| S154           | 14  | S191       | 0 | S135 Pumps    | 0  |
| S84            | 180 | S133 Pumps | 0 | S2 Pumps      | 0  |
| S84X           | 0   | S127 Pumps | 0 | S3 Pumps      | 0  |
| S71            | 124 | S129 Pumps | 0 | S4 Pumps      | 0  |
| S72            | 0   | S131 Pumps | 0 | C5            | 0  |
| Total Inflows: | 921 |            |   |               |    |

Okeechobee Outflows (cfs):

|                 |      |             |      |      |     |
|-----------------|------|-------------|------|------|-----|
| S135 Culverts   | -NR- | S354        | 99   | S77  | 965 |
| S127 Culverts   | 0    | S351        | 0    | S308 | 3   |
| S129 Culverts   | 0    | S352        | 0    |      |     |
| S131 Culverts   | 0    | L8 Canal Pt | -NR- |      |     |
| Total Outflows: | 1067 |             |      |      |     |

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

Okeechobee Pan Evaporation (inches):

|   |      |      |      |
|---|------|------|------|
| S77   | 0.16 | S308 | 0.00 |
| Average Pan Evap x 0.75 Pan Coefficient = 0.06" = 0.00' |      |      |      |

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

Evaporation - Precipitation: = -NR-" = -NR-'  
Evaporation - Precipitation using Lake Area of 730 square miles

is equal to -NR-  
Lake Okeechobee (Change in Storage) Flow is -4336 cfs or -8600 AC-FT

|  | Headwater<br>Elevation<br>(ft-msl) | Tailwater<br>Elevation<br>(ft-msl) | Disch<br>(cfs) | ----- Gate Positions ----- |            |            |            |            |            |            |            |
|--|------------------------------------|------------------------------------|----------------|----------------------------|------------|------------|------------|------------|------------|------------|------------|
|  |                                    |                                    |                | #1<br>(ft)                 | #2<br>(ft) | #3<br>(ft) | #4<br>(ft) | #5<br>(ft) | #6<br>(ft) | #7<br>(ft) | #8<br>(ft) |

(I) see note at bottom

#### North East Shore

|                |       |       |      |      |      |     |   |   |   |       |
|----------------|-------|-------|------|------|------|-----|---|---|---|-------|
| S133 Pumps:    | 13.64 | 15.84 | 0    | 0    | 0    | 0   | 0 | 0 | 0 | (cfs) |
| S193:          |       |       |      |      |      |     |   |   |   |       |
| S191:          | 18.98 | 15.82 | 0    | 0.0  | 0.0  | 0.0 |   |   |   |       |
| S135 Pumps:    | 13.63 | 15.79 | 0    | 0    | 0    | 0   | 0 |   |   | (cfs) |
| S135 Culverts: |       |       | -NR- | -NR- | -NR- |     |   |   |   |       |

#### North West Shore

|               |       |       |     |     |     |     |     |     |     |       |
|---------------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-------|
| S65E:         | 20.84 | 15.59 | 526 | 0.1 | 0.4 | 0.0 | 0.3 | 0.5 | 0.4 |       |
| S65EX1:       | 20.84 | 15.59 | 0   |     |     |     |     |     |     |       |
| S127 Pumps:   | 13.52 | 15.83 | 0   | 0   | 0   | 0   | 0   | 0   |     | (cfs) |
| S127 Culvert: |       |       | 0   | 0.0 |     |     |     |     |     |       |
| S129 Pumps:   | 13.06 | 15.93 | 0   | 0   | 0   | 0   |     |     |     | (cfs) |
| S129 Culvert: |       |       | 0   | 0.0 |     |     |     |     |     |       |
| S131 Pumps:   | 12.98 | 15.94 | 0   | 0   | 0   |     |     |     |     | (cfs) |
| S131 Culvert: |       |       | 0   |     |     |     |     |     |     |       |

#### Fisheating Creek

|             |  |       |    |      |      |      |  |  |  |  |
|-------------|--|-------|----|------|------|------|--|--|--|--|
| nr Palmdale |  | 30.23 | 77 |      |      |      |  |  |  |  |
| nr Lakeport |  |       |    |      |      |      |  |  |  |  |
| C5:         |  | -NR-  | 0  | -NR- | -NR- | -NR- |  |  |  |  |

#### South Shore

|             |       |       |      |      |      |      |      |     |  |       |
|-------------|-------|-------|------|------|------|------|------|-----|--|-------|
| S4 Pumps:   | 11.83 | 16.02 | 0    | 0    | 0    | 0    |      |     |  | (cfs) |
| S169:       |       | -NR-  | -NR- | -NR- | -NR- | -NR- |      |     |  |       |
| S310:       | 15.94 |       | 1    |      |      |      |      |     |  |       |
| S3 Pumps:   | 10.27 | 16.09 | 0    | 0    | 0    | 0    |      |     |  | (cfs) |
| S354:       | 16.09 | 10.27 | 99   | 0.1  | 0.2  |      |      |     |  |       |
| S2 Pumps:   | 10.23 | -NR-  | 0    | -NR- | -NR- | -NR- | -NR- |     |  | (cfs) |
| S351:       | -NR-  | 10.23 | 0    | 0.0  | 0.0  | 0.0  |      |     |  |       |
| S352:       | 16.06 | 10.59 | 0    | 0.1  | 0.0  |      |      |     |  |       |
| C10A:       | -NR-  | 16.05 |      | 8.0  | 8.0  | 8.0  | 0.0  | 0.0 |  |       |
| L8 Canal PT |       |       | -NR- |      |      |      |      |     |  |       |

#### S351 and S352 Temporary Pumps/S354 Spillway

|       |       |       |    |      |      |      |      |      |      |
|-------|-------|-------|----|------|------|------|------|------|------|
| S351: | 10.23 | -NR-  | 0  | -NR- | -NR- | -NR- | -NR- | -NR- | -NR- |
| S352: | 10.59 | 16.06 | 0  | -NR- | -NR- | -NR- | -NR- |      |      |
| S354: | 10.27 | 16.09 | 99 | -NR- | -NR- | -NR- | -NR- |      |      |

#### Caloosahatchee River (S77, S78, S79)

|                                     |       |       |     |     |     |     |     |  |  |
|-------------------------------------|-------|-------|-----|-----|-----|-----|-----|--|--|
| S47B:                               | 13.36 | 12.96 |     | 2.5 | 3.0 |     |     |  |  |
| S47D:                               | 12.89 | 10.85 | 133 | 0.5 |     |     |     |  |  |
| S77:                                |       |       |     |     |     |     |     |  |  |
| Spillway and Sector Preferred Flow: |       |       |     |     |     |     |     |  |  |
|                                     | 15.74 | 10.75 | 956 | 0.5 | 0.5 | 2.5 | 0.0 |  |  |
| Flow Due to Lockages+:              |       |       | 9   |     |     |     |     |  |  |

S78:

Spillway and Sector Flow:  
10.78 2.98 1198 0.0 0.0 2.5 1.0  
Flow Due to Lockages+: 11

S79:

Spillway and Sector Flow:  
3.16 2.19 1835 0.0 0.0 2.5 2.5 2.5 0.0 0.0 0.0  
Flow Due to Lockages+: 8  
Percent of flow from S77 52%  
Chloride (ppm) 0

St. Lucie Canal (S308, S80)

S308:

Spillway and Sector Preferred Flow:  
16.04 14.12 0 0.0 0.0 0.0 0.0  
Flow Due to Lockages+: 3

S153: 18.86 13.89 2 0.0 0.0

S80:

Spillway and Sector Flow:  
14.12 0.80 225 0.0 0.0 0.5 0.0 0.5 0.0 0.0  
Flow Due to Lockages+: 23  
Percent of flow from S308 0%

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

| Daily Precipitation Totals                                  | 1-Day<br>(inches) | 3-Day<br>(inches) | 7-Day<br>(inches) | ----- Wind -----<br>Direction Speed<br>(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              | 0.01              | 0.02              | 62 3  |
| S78:  | 0.00              | 0.00              | 0.00              | 68 2  |
| S79:  | 3.39              | 3.39              | 3.43              | 300 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:   | 1.16              | 1.16              | 1.17              | 351 6   |
| S80:  | 10.25             | 10.25             | 10.25             | 2 1   |
| Okeechobee Average<br>(Sites S78, S79 and S80 not included) | 0.58              | 0.09              | 0.09              |   |
| -----   |                   |                   |                   |   |
| Oke Nexrad Basin Avg  | -NR-              | 0.00              | 0.00              |   |
| -----   |                   |                   |                   |   |

|                            |             |       |                         |
|----------------------------|-------------|-------|-------------------------|
| Okeechobee Lake Elevations | 28 NOV 2021 | 15.98 | Difference from 28NOV21 |
| 28NOV21 -1 Day =           | 27 NOV 2021 | 16.00 | 0.02                    |

|         |            |             |       |       |
|---------|------------|-------------|-------|-------|
| 28NOV21 | -2 Days =  | 26 NOV 2021 | 16.01 | 0.03  |
| 28NOV21 | -3 Days =  | 25 NOV 2021 | 16.01 | 0.03  |
| 28NOV21 | -4 Days =  | 24 NOV 2021 | 16.02 | 0.04  |
| 28NOV21 | -5 Days =  | 23 NOV 2021 | 16.06 | 0.08  |
| 28NOV21 | -6 Days =  | 22 NOV 2021 | 16.08 | 0.10  |
| 28NOV21 | -7 Days =  | 21 NOV 2021 | 16.07 | 0.09  |
| 28NOV21 | -30 Days = | 29 OCT 2021 | 15.92 | -0.06 |
| 28NOV21 | -1 Year =  | 28 NOV 2020 | 16.15 | 0.17  |
| 28NOV21 | -2 Year =  | 28 NOV 2019 | 13.12 | -2.86 |

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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 |
| 28NOV21                                | Today =    | 28 NOV 2021 | 301  | MON | -3281          |
| 28NOV21                                | -1 Day =   | 27 NOV 2021 | 401  | SUN | -1207          |
| 28NOV21                                | -2 Days =  | 26 NOV 2021 | 876  | SAT | 1324           |
| 28NOV21                                | -3 Days =  | 25 NOV 2021 | 1261 | FRI | -1313          |
| 28NOV21                                | -4 Days =  | 24 NOV 2021 | 1509 | THU | -7708          |
| 28NOV21                                | -5 Days =  | 23 NOV 2021 | 1905 | WED | -3434          |
| 28NOV21                                | -6 Days =  | 22 NOV 2021 | 2316 | TUE | 3429           |
| 28NOV21                                | -7 Days =  | 21 NOV 2021 | 2223 | MON | 12478          |
| 28NOV21                                | -8 Days =  | 20 NOV 2021 | 1291 | SUN | 587            |
| 28NOV21                                | -9 Days =  | 19 NOV 2021 | 1361 | SAT | 5435           |
| 28NOV21                                | -10 Days = | 18 NOV 2021 | 2769 | FRI | 1288           |
| 28NOV21                                | -11 Days = | 17 NOV 2021 | 2681 | THU | 1518           |
| 28NOV21                                | -12 Days = | 16 NOV 2021 | 2601 | WED | -1488          |
| 28NOV21                                | -13 Days = | 15 NOV 2021 | 2389 | TUE | -3408          |

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| S65E                               |            |             |      |     |                |
|------------------------------------|------------|-------------|------|-----|----------------|
| Average Flow over previous 14 days |            |             |      |     | Avg-Daily Flow |
| 28NOV21                            | Today=     | 28 NOV 2021 | 997  | MON | 599            |
| 28NOV21                            | -1 Day =   | 27 NOV 2021 | 1070 | SUN | 621            |
| 28NOV21                            | -2 Days =  | 26 NOV 2021 | 1142 | SAT | 628            |
| 28NOV21                            | -3 Days =  | 25 NOV 2021 | 1213 | FRI | 650            |
| 28NOV21                            | -4 Days =  | 24 NOV 2021 | 1282 | THU | 678            |
| 28NOV21                            | -5 Days =  | 23 NOV 2021 | 1348 | WED | 704            |
| 28NOV21                            | -6 Days =  | 22 NOV 2021 | 1412 | TUE | 757            |
| 28NOV21                            | -7 Days =  | 21 NOV 2021 | 1473 | MON | 826            |
| 28NOV21                            | -8 Days =  | 20 NOV 2021 | 1533 | SUN | 1139           |
| 28NOV21                            | -9 Days =  | 19 NOV 2021 | 1577 | SAT | 1273           |
| 28NOV21                            | -10 Days = | 18 NOV 2021 | 1612 | FRI | 1392           |
| 28NOV21                            | -11 Days = | 17 NOV 2021 | 1609 | THU | 1493           |
| 28NOV21                            | -12 Days = | 16 NOV 2021 | 1614 | WED | 1569           |
| 28NOV21                            | -13 Days = | 15 NOV 2021 | 1611 | TUE | 1627           |

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| S65EX1                             |            |             |   |     |                |
|------------------------------------|------------|-------------|---|-----|----------------|
| Average Flow over previous 14 days |            |             |   |     | Avg-Daily Flow |
| 28NOV21                            | Today=     | 28 NOV 2021 | 0 | MON | 0              |
| 28NOV21                            | -1 Day =   | 27 NOV 2021 | 0 | SUN | 0              |
| 28NOV21                            | -2 Days =  | 26 NOV 2021 | 0 | SAT | 0              |
| 28NOV21                            | -3 Days =  | 25 NOV 2021 | 0 | FRI | 0              |
| 28NOV21                            | -4 Days =  | 24 NOV 2021 | 0 | THU | 0              |
| 28NOV21                            | -5 Days =  | 23 NOV 2021 | 0 | WED | 0              |
| 28NOV21                            | -6 Days =  | 22 NOV 2021 | 0 | TUE | 0              |
| 28NOV21                            | -7 Days =  | 21 NOV 2021 | 0 | MON | 0              |
| 28NOV21                            | -8 Days =  | 20 NOV 2021 | 0 | SUN | 0              |
| 28NOV21                            | -9 Days =  | 19 NOV 2021 | 0 | SAT | 0              |
| 28NOV21                            | -10 Days = | 18 NOV 2021 | 0 | FRI | 0              |
| 28NOV21                            | -11 Days = | 17 NOV 2021 | 0 | THU | 0              |
| 28NOV21                            | -12 Days = | 16 NOV 2021 | 0 | WED | 0              |
| 28NOV21                            | -13 Days = | 15 NOV 2021 | 0 | TUE | 0              |

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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 NOV 2021 |  | 1914      | 2215       | 2398      | 3654      |
| 27 NOV 2021 |  | 1889      | 2113       | 2198      | 3876      |
| 26 NOV 2021 |  | 1885      | 2014       | 2081      | 3345      |
| 25 NOV 2021 |  | 1902      | 2062       | 2075      | 3554      |
| 24 NOV 2021 |  | 2713      | 2871       | 2807      | 4114      |
| 23 NOV 2021 |  | 2250      | 2227       | 2657      | 4064      |
| 22 NOV 2021 |  | 2275      | 2364       | 2283      | 4493      |
| 21 NOV 2021 |  | 2272      | 2729       | 2568      | 3669      |
| 20 NOV 2021 |  | 1147      | 1682       | 2031      | 3498      |
| 19 NOV 2021 |  | 1756      | 2086       | 2540      | 4803      |
| 18 NOV 2021 |  | 2618      | 2991       | 2562      | 4597      |
| 17 NOV 2021 |  | 2989      | -NR-       | 3638      | 4873      |
| 16 NOV 2021 |  | 1552      | 1838       | 2609      | 3698      |
| 15 NOV 2021 |  | 2320      | 2163       | 1954      | 3945      |

|             |  | 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 NOV 2021 |  | 1         | 0         | 0         | 196       | -NR-        |
| 27 NOV 2021 |  | 3         | 0         | 0         | 228       | -NR-        |
| 26 NOV 2021 |  | -2        | 0         | 0         | 758       | -NR-        |
| 25 NOV 2021 |  | 7         | 0         | 0         | 0         | -NR-        |
| 24 NOV 2021 |  | 9         | 0         | 0         | 0         | -NR-        |
| 23 NOV 2021 |  | -1        | 0         | 0         | 0         | -NR-        |
| 22 NOV 2021 |  | 10        | 0         | 0         | 0         | -NR-        |
| 21 NOV 2021 |  | -0        | 0         | 0         | 0         | -NR-        |
| 20 NOV 2021 |  | 66        | 0         | 0         | 0         | -NR-        |
| 19 NOV 2021 |  | 2         | 0         | 0         | 0         | -NR-        |
| 18 NOV 2021 |  | 6         | 0         | 0         | 0         | -NR-        |
| 17 NOV 2021 |  | 5         | 0         | 0         | 0         | -NR-        |
| 16 NOV 2021 |  | 9         | 0         | 0         | 0         | -NR-        |
| 15 NOV 2021 |  | 4         | 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)   |
| 28 NOV 2021 |  | 6         | -NR-        | 490       |
| 27 NOV 2021 |  | 9         | -NR-        | 49        |
| 26 NOV 2021 |  | 11        | -NR-        | 238       |
| 25 NOV 2021 |  | 5         | -NR-        | 148       |
| 24 NOV 2021 |  | 4         | -NR-        | 572       |
| 23 NOV 2021 |  | 6         | -NR-        | 886       |
| 22 NOV 2021 |  | 9         | -NR-        | 940       |
| 21 NOV 2021 |  | 5         | -NR-        | 913       |
| 20 NOV 2021 |  | 6         | -NR-        | 21        |
| 19 NOV 2021 |  | 13        | -NR-        | 43        |
| 18 NOV 2021 |  | 10        | -NR-        | 61        |
| 17 NOV 2021 |  | 16        | -NR-        | 57        |
| 16 NOV 2021 |  | 10        | -NR-        | 43        |
| 15 NOV 2021 |  | 8         | -NR-        | 39        |

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

(I) - Flows preceeded by "I" signify an instantaneous flow computed from the single value reported for the day

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\* On 11 May 1999, Lake Okeechobee Elevation was switched from Instantaneous 2400 value to an average-daily lake average.  
On 14 Mar 2001, due to the isolation of various gages within the standard 10 stations, the average of the interior 4 station gages was used as the Lake Okeechobee Elevation.  
On 05 November 2010, Lake Okeechobee Elevation was switched to a 9 gage mix of interior and edge gages to obtain a more reliable representation of the lake level.  
On 09 May 2011, Lake Okeechobee Elevation was switched to a 8 gage mix of interior and edge gages to obtain a more reliable representation of the lake level due to isolation of S135 from low lake levels.  
Today Lake 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/>

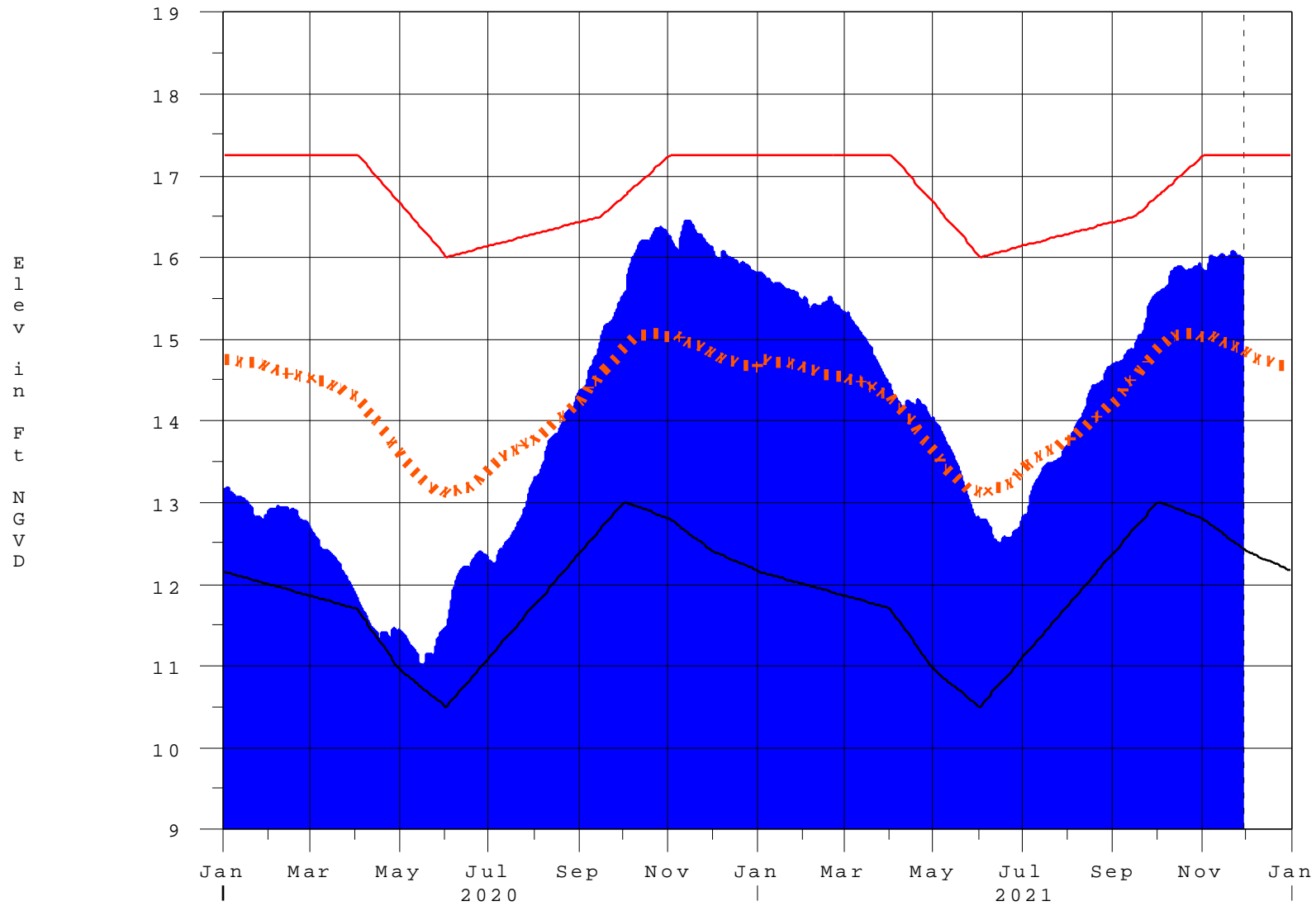
\$ For information regarding Lake Okeechobee Service Area water restrictions please refer to [www.sfwmd.gov](http://www.sfwmd.gov)

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Report Generated 29NOV2021 @ 09:52 \*\* Preliminary Data - Subject to Revision \*\*

# Lake Okeechobee

29NOV21 10:17:25



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