# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 11/6/2023 (ENSO Condition: El Niño)

#### **Lake Okeechobee Net Inflow Outlook:**

The Lake Okeechobee Net Inflow Outlook has been computed using methods described in the LORS2008 Water Control Plan: Croley's method, the SFWMD empirical method, a subsampling of El Niño years and a sub-sampling of warm years of the Atlantic Multi-decadal Oscillation (AMO) in combination with El Niño ENSO years. 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* |           | SFWMD<br>Empirical Method |           | Sub-sampling of<br>El Niño ENSO<br>Years** |           | Sub-sampling of<br>AMO Warm + El<br>Niño ENSO<br>Years*** |           |
|--------------------------------|------------------|-----------|---------------------------|-----------|--|-----------|---|-----------|
|                                | Value<br>(ft)    | Condition | Value<br>(ft)             | Condition | Value<br>(ft)                              | Condition | Value<br>(ft)   | Condition |
| Current<br>(Nov-Apr)           | N/A              | N/A       | 1.02                      | Normal    | 1.57                                       | Wet       | 1.78  | Wet       |
| Multi<br>Seasonal<br>(Nov-Oct) | N/A              | N/A       | 3.46                      | Wet       | 4.33                                       | Very Wet  | 5.72  | Very Wet  |

<sup>\*</sup>Croley's Method Not Produced for This Report

See <u>Seasonal</u> and <u>Multi-Seasonal</u> 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.

<sup>\*\*</sup>Sub-sampling is a weighted average of ENSO conditions based on the IRI ENSO forecast published.

<sup>\*\*\*</sup>Sub-sampling based on combination of ENSO and AMO conditions. For this predominant ENSO categorization is used instead of weights.

# **Tributary Hydrologic Conditions:**

- **-1166 cfs** 14-day running average for Lake Okeechobee Net Inflow through 11/6/2023. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Dry.
- **-1.97** for Palmer Drought Index on 11/4/2023. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Dry.

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

### **LORS2008 Classification Tables:**

### Lake Okeechobee Stage on 11/6/2023:

Lake Okeechobee Stage: 16.07 feet

| Lake Okeechobe<br>Zone | ee Management<br>Band | Bottom Elevation (feet, NGVD) | Current Lake<br>Stage |
|------------------------|-----------------------|-------------------------------|-----------------------|
| High Lake Manage       | ement Band            | 17.25                         |                       |
|                        | High sub-band         | 16.88                         |                       |
| Operational<br>Band    | Intermediate sub-band | 16.25                         |                       |
|                        | Low sub-band          | 14.50                         | ← 16.07 ft            |
| Base Flow sub-ba       | nd                    | 12.85                         |                       |
| Beneficial Use sub     | o-band                | 12.73                         |                       |
| Water Shortage M       | anagement 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.

<u>Lake Okeechobee Releases to the Caloosahatchee Estuary for LORS 2008 Baseflow & for Environmental Water Supply</u>

Guidance for Lake Okeechobee Releases to the Caloosahatchee Estuary indicates no S77 release to the Caloosahatchee Estuary unless the Governing Board recommends otherwise.

# LORS2008 Implementation on 11/6/2023 (ENSO Condition- El Niño):

Status for week ending 11/6/2023\*:

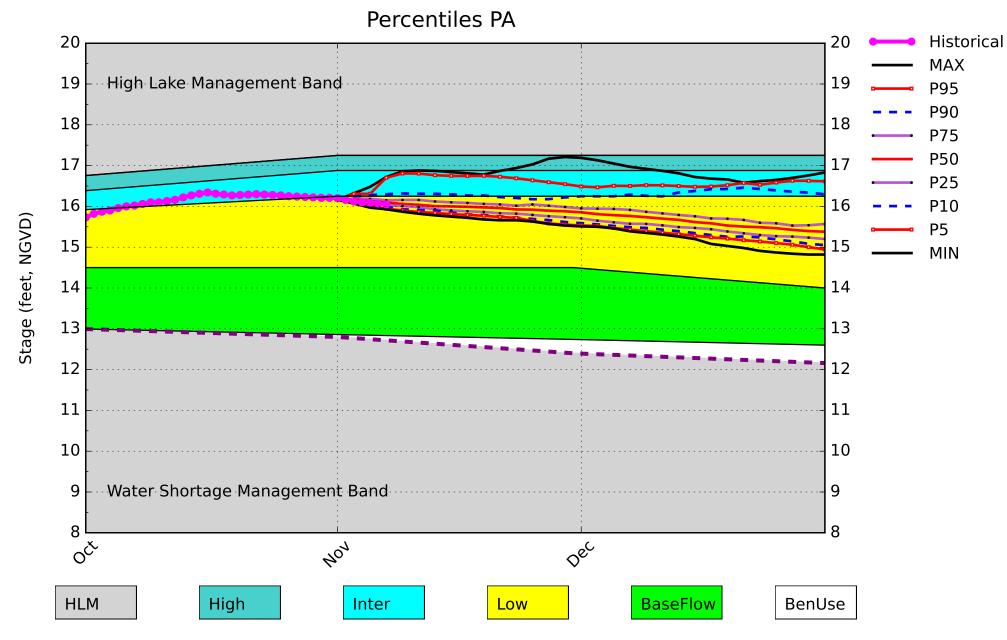
**Water Supply Risk Evaluation** 

| Area | Indicator  | Value                                | Color Coded<br>Scoring Scheme |
|------|--|--------------------------------------|-------------------------------|
|      | Projected LOK Stage for the next two months          | Low Sub-band                         | M                             |
|      | Palmer Drought Index for LOK<br>Tributary Conditions | -1.97<br>(Dry)                       | M                             |
|      | CDC Procinitation Outlook                            | 1 month: Above Normal                | L                             |
| LOK  | CPC Precipitation Outlook                            | 3 months: Above Normal               | L                             |
|      | LOK Seasonal Net Inflow Outlook                      | 1.57 ft                              |                               |
|      | ENSO Forecast  | Normal to Extremely Wet              | _                             |
|      | LOK Multi-Seasonal Net Inflow Outlook                | 4.33 ft                              |                               |
|      | ENSO Forecast  | Wet                                  | L                             |
|      | WCA 1: 3 Station Average (Sites 1-7, 1-8T, and 1-9)  | Above Line 1 (17.05 ft)              | L                             |
| WCAs | WCA 2A: Site 2-17                                    | Above Line 1 (13.14 ft)              | L                             |
|      | WCA-3A: 3 Station Average (Sites 63, 64, and 65)     | Above Line 1 (10.80 ft)              | L                             |
|      | Service Area 1                                       | Year-Round Irrigation Rule in effect | L                             |
| LEC  | Service Area 2                                       | Year-Round Irrigation Rule in effect | L                             |
|      | Service Area 3                                       | Year-Round Irrigation Rule in effect | L                             |

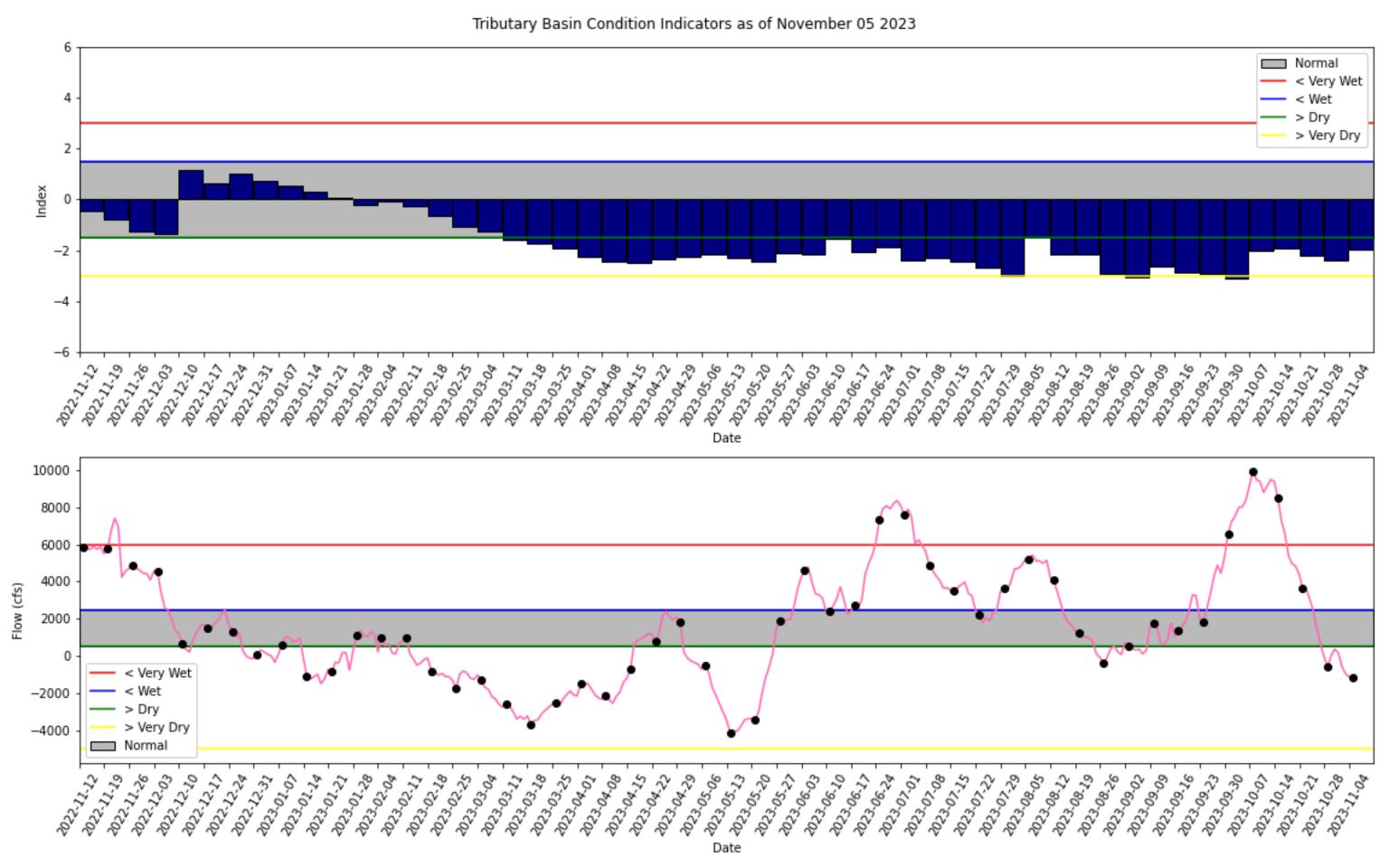
Note: The water supply risk classification based on the Palmer index, as well as the LOK seasonal and multi-seasonal net inflow outlooks use slightly different classification intervals than those used by the 2008-LORS.

<sup>\*-</sup> L8 @ Canal Point flow data for 10/30-11/2 is not available from USACE Daily Reports and was assumed to be 0.

# Lake Okeechobee SFWMM November 2023 Position Analysis

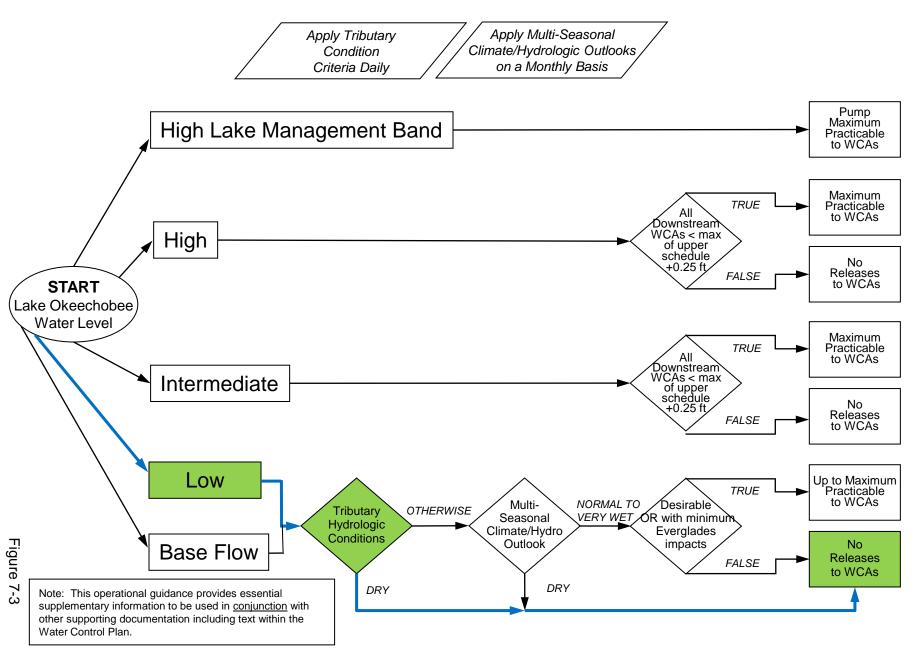


(See assumptions on the Position Analysis Results website)



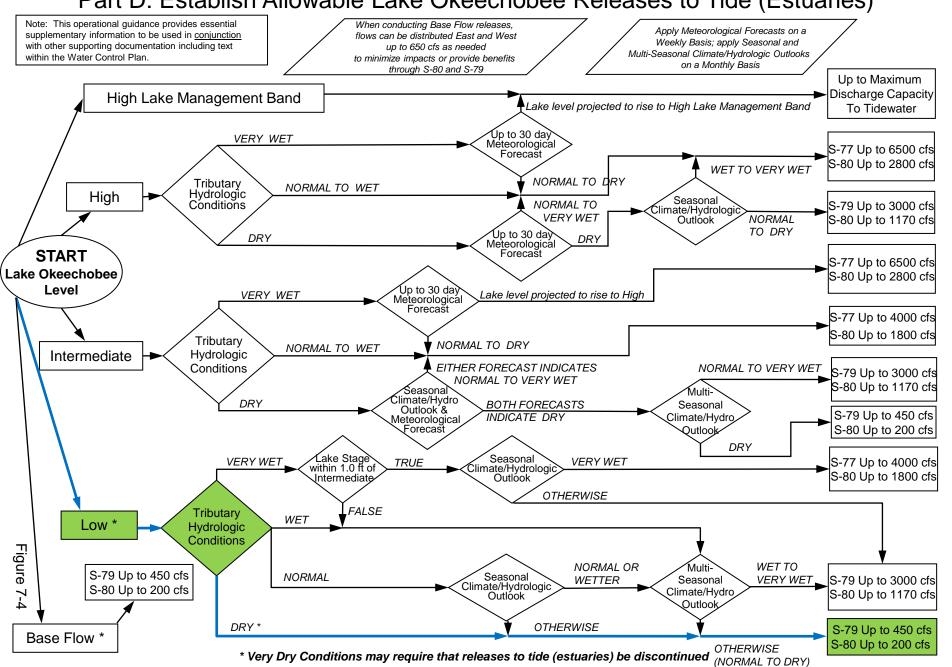
### **2008 LORS**

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

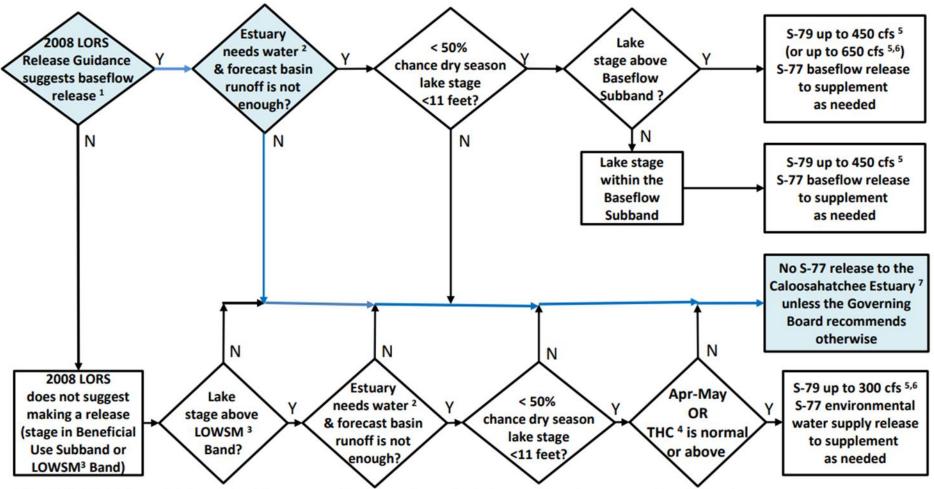


### **2008 LORS**

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



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



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

<sup>&</sup>lt;sup>2</sup>Estuary "needs" water when the 30-day moving average salinity at I-75 bridge is projected to exceed 5 practical salinity units (psu) within 2 weeks.

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

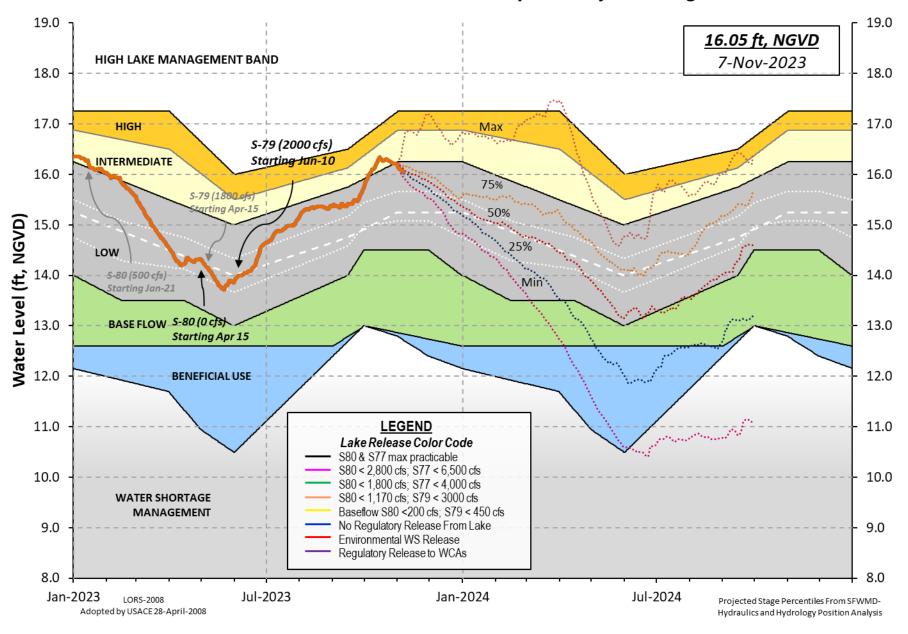
<sup>&</sup>lt;sup>4</sup>Tributary Hydrologic Condition (THC) is based on classification of Lake Okeechobee Net Inflow and Palmer Index.

<sup>&</sup>lt;sup>5</sup>Can release less than the "up to" limit if lower release is sufficient to reach or sustain desired estuary salinity; cfs = cubic feet per second.

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

<sup>&</sup>lt;sup>7</sup>Should this condition be reached, the Governing Board will be briefed at their next regularly scheduled meeting as part of the State of the Water Resources agenda item.

### **Lake Okeechobee Water Level History and Projected Stages**



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Data Ending 2400 hours 05 NOV 2023

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Okeechobee Lake Regulation Elevation Last Year 2YRS Ago (ft-NGVD) (ft-NGVD) (ft-NGVD)

\*Okeechobee Lake Elevation 16.07 15.90 15.92 (Official Elv)

Bottom of High Lake Mngmt= 17.25 Top of Water Short Mngmt= 12.73

Currently in Operational Management Band

Simulated Average LORS2008 [1965-2000] 13.96 Difference from Average LORS2008 2.11

05NOV (1965-2007) Period of Record Average 15.05 Difference from POR Average 1.02

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

++Navigation Depth (Based on 2007 Channel Condition Survey) Route 1 ◆ 10.01' ++Navigation Depth (Based on 2008 Channel Condition Survey) Route 2 ◆ 8.21' Bridge Clearance = 49.58'

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

L001 L005 L006 LZ40 S4 S352 S308 S133 16.00 16.05 16.15 16.08 16.13 16.23 16.09 15.87

\*Combination Okeechobee Avg-Daily Lake Average = 16.07 (\*See Note)

(\*See Note)

Okeechobee Inflows (cfs): S65E 1640 77 0 S65EX1 Fisheating Cr S154 0 S191 0 S135 Pumps 0 S84 0 S133 Pumps 0 S2 Pumps 0 S84X 0 S127 Pumps 0 S3 Pumps 0 0 0 S71 139 S129 Pumps S4 Pumps 0 S72 152 S131 Pumps C5 Total Inflows: 2007

Okeechobee Outflows (cfs): S135 Culverts 0 S354 209 S77 1202 854 S127 Culverts 0 S351 S308 169 S129 Culverts a S352 237

91

Total Outflows: 2760

S131 Culverts

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

L8 Canal Pt

Okeechobee Pan Evaporation (inches):

0

S77 0.23 S308 0.25

Average Pan Evap x 0.75 Pan Coefficient = 0.18" = 0.02'

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

Evaporation - Precipitation: = -NR-" = -NR-' Evaporation - Precipitation using Lake Area of 730 square miles 11/6/23. 1:22 PM oke

is equal to -NR

Lake Okeechobee (Change in Storage) Flow is -4538 cfs or -9000 AC-FT

```
----- Gate Positions ------
            Headwater Tailwater
            Elevation Elevation Disch #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: 13.57
                       15.91
                                   0
                                        0
                                              0
                                                   0
                                                        0
                                                             0 (cfs)
  S193:
  S191:
              18.80
                       15.90
                                   0
                                       0.0 0.0 0.0
  S135 Pumps: 13.22
                       15.85
                                   0
                                        0
                                            0
                                                   0
                                                                (cfs)
  S135 Culverts:
                                   0
                                        0.0 0.0
North West Shore
  S65E:
              21.08
                       15.66
                                   0
                                        0.0 -0.0 0.0 0.0 0.0 0.0
  S65EX1:
              21.08
                       15.66
                                1640
  S127 Pumps: 13.43
                       15.89
                                   0
                                         0
                                              0
                                                   0
                                                        0
                                                             0 (cfs)
                                   0
  S127 Culvert:
                                        0.0
  S129 Pumps: 12.99
                       16.02
                                   0
                                         0
                                                   0
                                              0
                                                                (cfs)
  S129 Culvert:
                                        0.0
                                   0
  S131 Pumps: 13.01
                       13.23
                                   0
                                         0
                                              0
                                                                (cfs)
  S131 Culvert:
                                   0
  Fisheating Creek
   nr Palmdale
                       30.23
                                  77
   nr Lakeport
                       16.00
  S282
              16.02
                                         0.0 0.0 0.1
South Shore
  S4 Pumps:
              12.07
                        -NR-
                                   а
                                         0
                                              0
                                                   0
                                                                (cfs)
  S169:
              15.54
                       -NR-
                                -NR-
                                       -NR- -NR- -NR-
  S310:
              16.16
                                 4
  S3 Pumps:
              10.31
                       16.35
                                   0
                                         0
                                              0
                                                   0
                                                                (cfs)
              16.35
                       10.31
                                 209
                                        0.2 0.4
  S354:
                       16.34
                                                   0
  S2 Pumps:
              10.25
                                 0
                                        0
                                            0
                                                                (cfs)
              16.34
                       10.25
                                 854
                                        0.7 0.7
                                                 0.8
  S351:
  S352:
              16.22
                       10.11
                                 237
                                        0.1 0.4
 S271:
              16.32
                       14.35
                                        0.0 -NR- -NR-
                                                         0.0
  L8 Canal PT
                       14.07
                                  91
                  S351 and S352 Temporary Pumps/S354 Spillway
                       16.34
                                 854 -NR--NR--NR--NR--NR-
  S351:
              10.25
  S352:
              10.11
                       16.22
                                 237 -NR--NR--NR-
              10.31
                       16.35
                                 209 -NR--NR--NR-
  S354:
Caloosahatchee River (S77, S78, S79)
  S47B:
              13.31
                       12.40
                                        1.0 1.5
  S47D:
              12.45
                       11.01
                                        0.0
  S77:
    Spillway and Sector Preferred Flow:
              15.95
                     10.86
                                1194 0.0 3.5 0.5 0.0
    Flow Due to Lockages+:
                                   8
```

S78:

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Spillway and Sector Flow:

10.90 2.81 1023 0.5 0.0 2.5 0.0

Flow Due to Lockages+: 14

S79:

Spillway and Sector Flow:

3.00 2.33 1430 0.0 0.0 1.5 2.0 2.0 1.0 0.0 0.0

Flow Due to Lockages+: 8 Percent of flow from S77 83% Chloride (ppm)

St. Lucie Canal (S308, S80)

S308:

Spillway and Sector Preferred Flow:

16.09 13.92 167 0.0 0.0 0.0 0.0

Flow Due to Lockages+: 2

S153: 19.05 13.73 0 0.0 0.0

S80:

Spillway and Sector Flow:

13.96 2.01 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

16 Flow Due to Lockages+: Percent of flow from S308 NA %

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

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

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

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

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

|                           |             |          |          | Wi       | nd      |
|---------------------------|-------------|----------|----------|----------|---------|
| aily Precipitation Totals | 1-Day       | 3-Day    | 7-Day    | Directio | n Speed |
|                           | (inches)    | (inches) | (inches) | (Deg�)   | (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:                      | 1.25        | 1.25     | 1.25     | 18       | 4       |
| S78:                      | 0.29        | 0.29     | 0.29     | 12       | 1       |
| S79:                      | -0.64       | -0.64    | -1.28    | 258      | 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:                     | 0.00        | 0.00     | 0.00     | 355      | 3       |
| S80:                      | 4.58        | 4.67     | 4.67     | 323      | 5       |
| Okeechobee Average        | 0.62        | 0.10     | 0.10     |          |         |
| (Sites S78, S79 and       | S80 not ind | cluded)  |          |          |         |
| Oke Nexrad Basin Avg      | -NR-        | 0.00     | 0.00     |          |         |

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| *       |     |      |   |    |     |      |       |       |
|---------|-----|------|---|----|-----|------|-------|-------|
| 05NOV23 | -2  | Days | = | 03 | NOV | 2023 | 16.10 | 0.03  |
| 05NOV23 | -3  | Days | = | 02 | NOV | 2023 | 16.12 | 0.05  |
| 05NOV23 | -4  | Days | = | 01 | NOV | 2023 | 16.16 | 0.09  |
| 05NOV23 | -5  | Days | = | 31 | OCT | 2023 | 16.20 | 0.13  |
| 05NOV23 | -6  | Days | = | 30 | OCT | 2023 | 16.21 | 0.14  |
| 05NOV23 | -7  | Days | = | 29 | OCT | 2023 | 16.21 | 0.14  |
| 05NOV23 | -30 | Days | = | 06 | OCT | 2023 | 16.02 | -0.05 |
| 05NOV23 | -1  | Year | = | 05 | NOV | 2022 | 15.90 | -0.17 |
| 05NOV23 | -2  | Year | = | 05 | NOV | 2021 | 15.92 | -0.15 |
|         |     |      |   |    |     |      |       |       |

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

|         |        |      | Lake 0   | keecl | hobee | Net Inflo | ow (LONIN) | )        |        |
|---------|--------|------|----------|-------|-------|-----------|------------|----------|--------|
|         |        | Aver | age Flow | ovei  | r the | previous  | 14 days    | Avg-Dail | y Flow |
| 05NOV23 | Tod    | ay = | 05       | NOV 2 | 2023  | -672      | MON        | -1787    |        |
| 05NOV23 | -1 Da  | y =  | 04       | NOV 2 | 2023  | -614      | SUN        | 498      |        |
| 05NOV23 | -2 Da  | ys = | 03       | NOV 2 | 2023  | -365      | SAT        | -2496    |        |
| 05NOV23 | -3 Da  | ys = | 02       | NOV 2 | 2023  | 183       | FRI        | -NR-     |        |
| 05NOV23 | -4 Da  | ys = | 01       | NOV 2 | 2023  | 462       | THU        | -NR-     |        |
| 05NOV23 | -5 Da  | ys = | 31       | OCT 2 | 2023  | 147       | WED        | -NR-     |        |
| 05NOV23 | -6 Da  | ys = | 30       | OCT 2 | 2023  | -132      | TUE        | -NR-     |        |
| 05NOV23 | -7 Da  | ys = | 29       | OCT 2 | 2023  | -566      | MON        | -152     |        |
| 05NOV23 | -8 Da  | ys = | 28       | OCT 2 | 2023  | -45       | SUN        | -123     |        |
| 05NOV23 | -9 Da  | ys = | 27       | OCT 2 | 2023  | 632       | SAT        | -84      |        |
| 05NOV23 | -10 Da | ys = | 26       | OCT 2 | 2023  | 1448      | FRI        | 184      |        |
| 05NOV23 | -11 Da | ys = | 25       | OCT 2 | 2023  | 1546      | THU        | -1926    |        |
| 05NOV23 | -12 Da | ys = | 24       | OCT 2 | 2023  | 1835      | WED        | -585     |        |
| 05NOV23 | -13 Da | ys = | 23       | OCT 2 | 2023  | 2494      | TUE        | -245     |        |
|         |        |      |          |       |       |           |            |          |        |
|         |        |      |          |       |       |           |            |          |        |

|         |            |            | 565E    |          |         |                |
|---------|------------|------------|---------|----------|---------|----------------|
|         |            | Average Fl | ow over | previous | 14 days | Avg-Daily Flow |
| 05NOV23 | Today=     | 05 NO      | / 2023  | 1725     | MON     | 0              |
| 05NOV23 | -1 Day =   | 04 NO      | / 2023  | 1902     | SUN     | 336            |
| 05NOV23 | -2 Days =  | 03 NO      | / 2023  | 2086     | SAT     | 1726           |
| 05NOV23 | -3 Days =  | 02 NO      | / 2023  | 2178     | FRI     | 1771           |
| 05NOV23 | -4 Days =  | 01 NO      | / 2023  | 2280     | THU     | 1803           |
| 05NOV23 | -5 Days =  | 31 OC      | Г 2023  | 2403     | WED     | 1817           |
| 05NOV23 | -6 Days =  | 30 OC      | Г 2023  | 2536     | TUE     | 1835           |
| 05NOV23 | -7 Days =  | 29 OC      | Г 2023  | 2700     | MON     | 1930           |
| 05NOV23 | -8 Days =  | 28 OC      | Г 2023  | 2870     | SUN     | 1997           |
| 05NOV23 | -9 Days =  | 27 OC      | Г 2023  | 3064     | SAT     | 2017           |
| 05NOV23 | -10 Days = | 26 OC      | Г 2023  | 3276     | FRI     | 2037           |
| 05NOV23 | -11 Days = | 25 OC      | Г 2023  | 3485     | THU     | 1982           |
| 05NOV23 | -12 Days = | 24 OC      | Г 2023  | 3696     | WED     | 2389           |
| 05NOV23 | -13 Days = | 23 OC      | Г 2023  | 3880     | TUE     | 2504           |
|         |            |            |         |          |         |                |

|                    | Average Flow over | previous 14 days | Avg-Daily Flow |
|--------------------|-------------------|------------------|----------------|
| 05NOV23 Today=     | 05 NOV 2023       | 207 MON          | 1640           |
| 05NOV23 -1 Day =   |                   | 90 SUN           | 1264           |
| 05NOV23 -2 Days =  | 03 NOV 2023       | 0 SAT            |                |
| 05NOV23 -3 Days =  | 02 NOV 2023       | 0 FRI            | i 0            |
| 05NOV23 -4 Days =  | 01 NOV 2023       | 0 THU            | i 0            |
| 05NOV23 -5 Days =  | 31 OCT 2023       | 0 WED            | i 0            |
| 05NOV23 -6 Days =  | 30 OCT 2023       | 0 TUE            | i 0            |
| 05NOV23 -7 Days =  | 29 OCT 2023       | 0 MON            | i 0            |
| 05NOV23 -8 Days =  | 28 OCT 2023       | 0 SUN            | i ø            |
| 05NOV23 -9 Days =  | 27 OCT 2023       | 0 SAT            | i 0            |
| 05NOV23 -10 Days = | 26 OCT 2023       | 0 FRI            | i 0            |
| 05NOV23 -11 Days = | 25 OCT 2023       | 0 THU            | ĺ              |
| 05NOV23 -12 Days = | 24 OCT 2023       | 0 WED            | ĺ              |
| 05NOV23 -13 Days = | 23 OCT 2023       | 0 TUE            | 0              |
| 222.22 13 Day 3    | 25 00. 2025       | 3 102            | 1              |

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Lake Okeechobee Outlets Last 14 Days

| DATE  05 NOV 2023  04 NOV 2023  03 NOV 2023  01 NOV 2023  31 OCT 2023  30 OCT 2023  29 OCT 2023  27 OCT 2023  26 OCT 2023  25 OCT 2023  24 OCT 2023  23 OCT 2023 | 3 2275<br>3 2244<br>3 1699<br>3 3429<br>3 4361<br>8 2898<br>3 2904<br>3 2496<br>3 1842<br>3 2826<br>3 3340<br>3 4425 | Below S-77 Discharge (ALL-DAY) (AC-FT) 2368 2336 1279 1544 3478 3698 3128 3136 2560 1893 2951 3515 2176 3297 | S-78 Discharge (ALL DAY) (AC-FT) 2054 2061 1790 1078 2622 3601 2606 2443 1973 2041 2057 2618 4054 3539 | S-79<br>Discharge<br>(ALL DAY)<br>(AC-FT)<br>2853<br>2847<br>2148<br>1321<br>4413<br>4912<br>4133<br>4269<br>3476<br>3075<br>3121<br>4070<br>5041<br>5111 |                                       |
|--|--|--|--|---|---------------------------------------|
| 25 001 202.  | 3703   | 3297   | 2229   | 7111  |                                       |
|  | S-310<br>Discharge<br>(ALL DAY)  | S-351<br>Discharge<br>(ALL DAY)  | S-352<br>Discharge<br>(ALL DAY)  | S-354<br>Discharge<br>(ALL DAY)   | L8 Canal Pt<br>Discharge<br>(ALL DAY) |
| DATE   | (AC-FT)  | (AC-FT)  | (AC-FT)  | (AC-FT)   | (AC-FT)                               |
| 05 NOV 2023  |  | 1693   | 469  | 414   | 179                                   |
| 04 NOV 2023<br>03 NOV 2023   |  | 1702<br>1636   | 589<br>506   | 425<br>429  | 186<br>198                            |
| 02 NOV 2023  |  | 1816   | 460  | 437   | -NR-                                  |
| 01 NOV 2023  |  | 2095   | 584  | 88  | -NR-                                  |
| 31 OCT 2023  |  | 1918   | 707  | 515   | -NR-                                  |
| 30 OCT 2023  |  | 770  | 70   | 153   | -NR -                                 |
| 29 OCT 2023  |  | 904  | 4  | 153   | 211                                   |
| 28 OCT 2023<br>27 OCT 2023   |  | 1112<br>864  | 427<br>1498  | 154<br>77   | 209<br>206                            |
| 26 OCT 2023  |  | 566  | 1348   | 0   | 206                                   |
| 25 OCT 2023  |  | 428  | 970  | 81  | 185                                   |
| 24 OCT 2023  |  | 263  | 901  | 0   | 193                                   |
| 23 OCT 2023  | 3 -NR-   | 213  | 503  | 0   | 210                                   |
|  | S-308  | Below S-308  | S-80   |   |                                       |
|  | Discharge  |  |  | 2   |                                       |
|  | (ALL DAY)  | (ALL-DAY)  | (ALL-DAY)  |   |                                       |
| DATE   | (AC-FT)  | (AC-FT)  | (AC-FT)  |   |                                       |
| 05 NOV 2023  |  | -NR-   | 32   |   |                                       |
| 04 NOV 2023<br>03 NOV 2023   |  | - NR -<br>- NR -   | 49<br>65   |   |                                       |
| 02 NOV 2023  |  | -NR-   | 19   |   |                                       |
| 01 NOV 2023  |  | -NR-   | 20   |   |                                       |
| 31 OCT 2023  |  | -NR-   | 41   |   |                                       |
| 30 OCT 2023  |  | -NR-   | 31   |   |                                       |
| 29 OCT 2023  |  | -NR-   | 27<br>27   |   |                                       |
| 28 OCT 2023<br>27 OCT 2023   |  | - NR -<br>- NR -   | 37<br>37   |   |                                       |
| 26 OCT 2023  |  | -NR-   | 17   |   |                                       |
| 25 OCT 2023  |  | -NR-   | 17   |   |                                       |
| 24 OCT 2023  | 3 5  | -NR-   | 14   |   |                                       |
| 23 OCT 2023  | 3 11   | -NR-   | 40   |   |                                       |

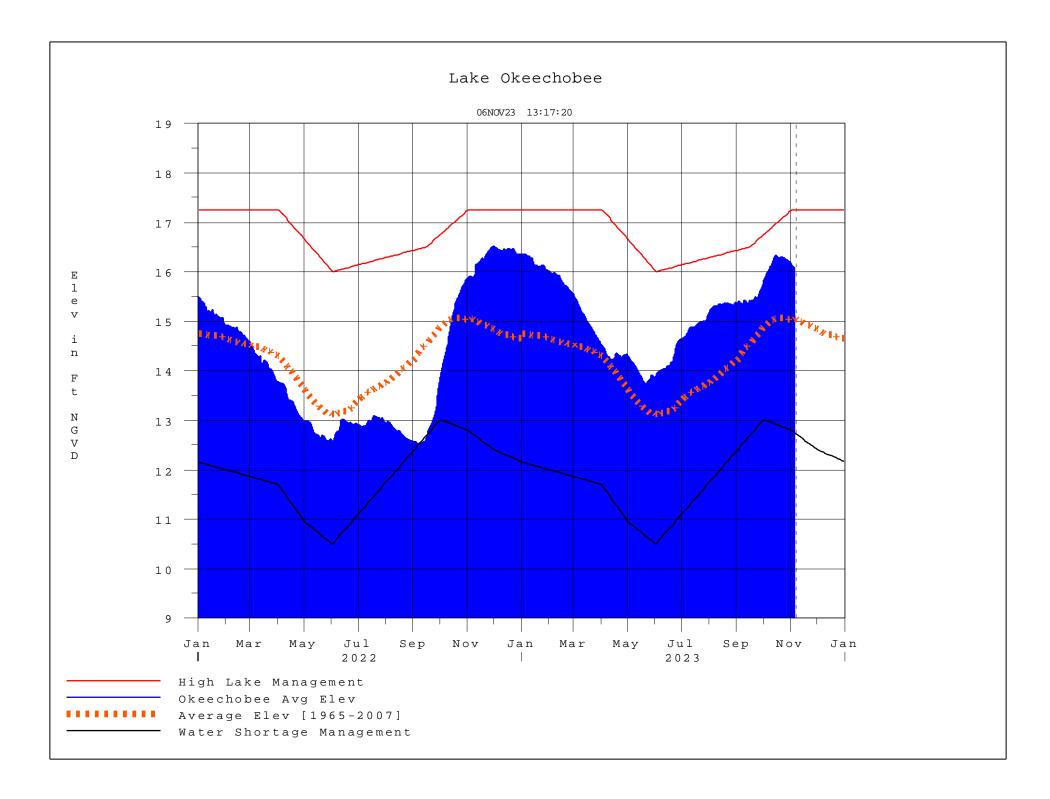
\*\*\* NOTE: Discharge (ALL DAY) is computed using Spillway, Sector Gate and Lockages Discharges from 0015 hrs to 2400 hrs.

<sup>(</sup>I) - Flows preceded by "I" signify an instantaneous flow computed from the single value reported for the day

11/6/23, 1:22 PM

- \* 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
- ++ 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

Report Generated 06NOV2023 @ 13:15 \*\* Preliminary Data - Subject to Revision \*\*



# **Classification Tables**

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

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

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

| Tributary Hydrologic | Palmer Index   | 2-wk Mean L.O. Net  |
|----------------------|----------------|---------------------|
| Classification*      | Class Limits   | Inflow Class Limits |
| Very Wet             | 3.0 or greater | Greater >= 6000 cfs |
| Wet                  | 1.5 to 2.99    | 2500 - 5999 cfs     |
| Near Normal          | -1.49 to 1.49  | 500 - 2499 cfs      |
| Dry                  | -2.99 to -1.5  | -5000 – 500 cfs     |
| Very Dry             | -3.0 or less   | Less than -5000 cfs |

<sup>\*</sup> use the wettest of the two indicators

# Classification of Lake Okeechobee Net Inflow Seasonal Outlook\*

| Lake Net Inflow<br>Prediction | Equivalent<br>Depth** | Lake Okeechobee  |
|-------------------------------|-----------------------|------------------|
| [million acre-feet]           | [feet]                | Net Inflow       |
|                               | 20003                 | Seasonal Outlook |
| > 0.93                        | > 2.0                 | Very Wet         |
| 0.71 to 0.93                  | 1.51 to 2.0           | Wet              |
| 0.35 to 0.70                  | 0.75 to 1.5           | Normal           |
| < 0.35                        | < 0.75                | Dry              |

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

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

| Lake Net Inflow<br>Prediction | Equivalent<br>Depth** | Lake Okeechobee        |
|-------------------------------|-----------------------|------------------------|
| [million acre-feet]           | [feet]                | Net Inflow             |
|                               |                       | Multi-Seasonal Outlook |
| > 2.0                         | > 4.3                 | Very Wet               |
| 1.18 to 2.0                   | 2.51 to 4.3           | Wet                    |
| 0.5 to 1.17                   | 1.1 to 2.5            | Normal                 |
| < 0.5                         | < 1.1                 | Dry                    |

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

# 6-15 Day Precipitation Outlook Categories\*

| 6-15 Day Precipitation Outlook<br>Categories | WSE Decision Tree<br>Categories |
|--|---------------------------------|
| Above Normal                                 | Wet to Very Wet                 |
| Normal                                       | Normal                          |
| Below Normal                                 | Dry                             |

<sup>\*</sup> Corresponds to Table 7-6 in the Lake Okeechobee Water Control Plan

**Under Construction**