# Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 3/19/2019 (ENSO Neutral Condition)

## Lake Okeechobee Net Inflow Outlook:

The Lake Okeechobee Net Inflow Outlook has been computed using 4 methods: Croley's method[1], the SFWMD empirical method[2], a sub-sampling of Neutral years[3] and a sub-sampling of warm years of the Atlantic Multi-decadal Oscillation (AMO) in combination with La Nina ENSO years[4]. 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[1*] | | SFWMD Empirical Method[2] | | Sub-sampling of Neutral ENSO Years[3] | | Sub-sampling of AMO Warm + Neutral ENSO Years[4] | |
|---|---|---|---|---|---|---|---|---|
| | Value (ft) | Condition | Value (ft) | Condition | Value (ft) | Condition | Value (ft) | Condition |
| Current (Mar-Aug) | N/A | N/A | 1.19 | Normal | 1.41 | Normal | 1.93 | Wet |
| Multi Seasonal (Mar-Oct) | N/A | N/A | 2.64 | Wet | 2.81 | Wet | 3.99 | Wet |

*Croley's Method Not Produced for This Report

See Seasonal and Multi-Seasonal tables for the classification of Lake Okeechobee Outlooks.

The recommended methods and values for estimating the Lake Okeechobee Net Inflow Outlook are shaded and should be used in the LORS2008 Release Guidance Flow Charts.

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

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

**-2770 cfs** 14-day running average for Lake Okeechobee Net Inflow through 3/17/2019.
According to the classification in Tributary Hydrologic Conditions table, this condition is Dry.

**-0.78** for Palmer Index on 3/16/2019.
According to the classification in Tributary Hydrologic Conditions table, this condition is Normal.

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

## ***LORS2008 Classification Tables:***

### Lake Okeechobee Stage on 3/18/2019

Lake Okeechobee Stage: **12.18 feet**

USACE Report for Lake Okeechobee

Lake Okeechobee Stage Hydrograph

| Lake Okeechobee Management Zone/Band | | Bottom Elevation (feet, NGVD) | Current Lake Stage |
|---|---|---|---|
| High Lake Management Band | | 17.25 | |
| Operational Band | High sub-band | 16.56 | |
| | Intermediate sub-band | 15.62 | |
| | Low sub-band | 13.50 | |
| Base Flow sub-band | | 12.60 | |
| Beneficial Use sub-band | | | ← 12.18 |
| Water Shortage Management Band | | 11.77 | |

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

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

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

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

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

Release Guidance Flow Chart Outcome: No releases.

**Back to Lake Okeechobee Operations Main Page**

**Back to U.S. Army Corps of Engineers LORSS Homepage**

## LORS2008 Implementation on 03/18/2019 (ENSO El Niño Condition):

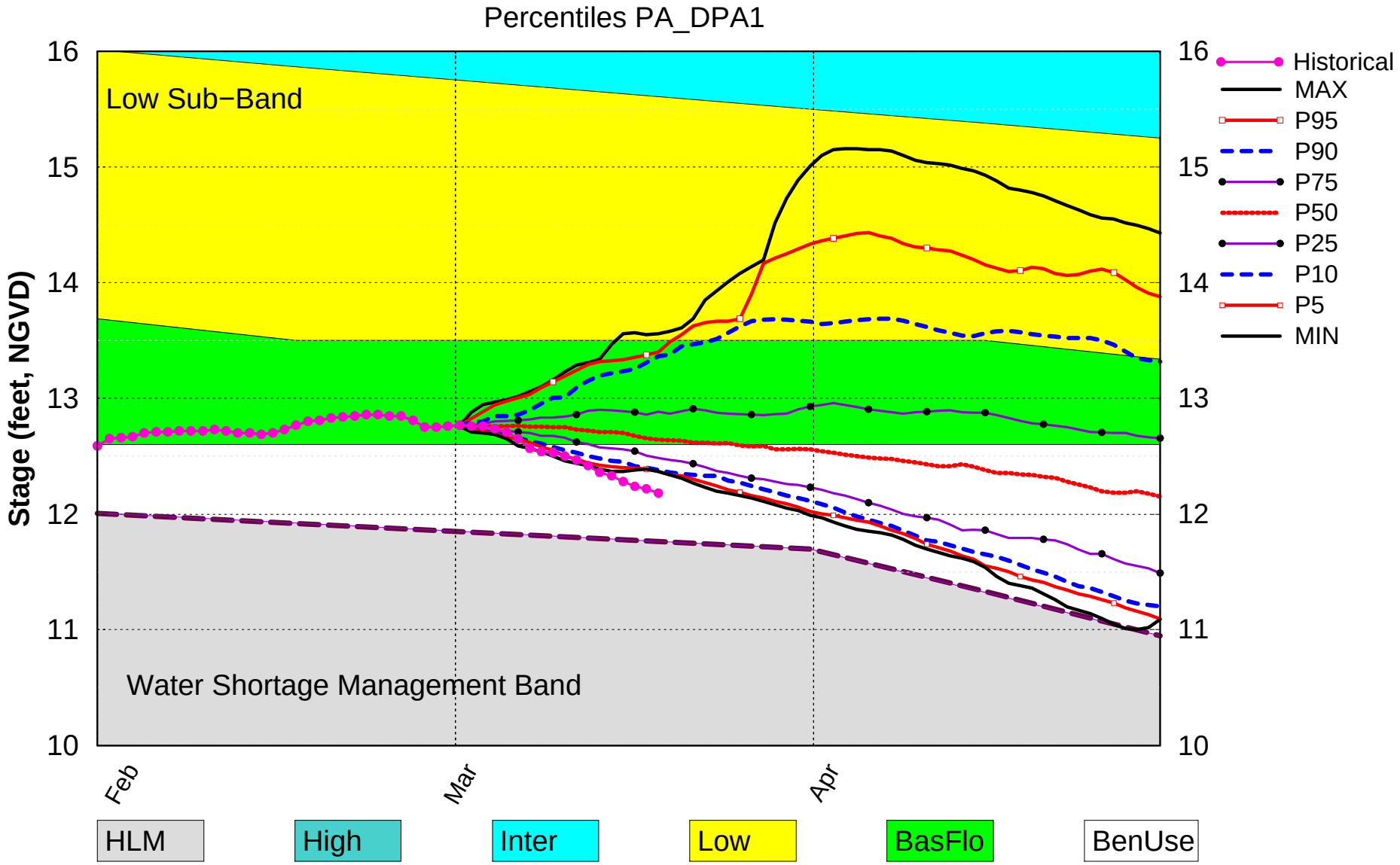
**Status for week ending 03/18/2019:**
District wide, Raindar rainfall was 0.18 inches for the week. Lake stage on 03/18/2019 was 12.18ft, NGVD, down 0.29 ft from last week .The updated March 2019 SFWMM Dynamic Position Analysis percentile graph for Lake Okeechobee show that the current lake stage is in the Beneficial Use Sub-band. The LORS2008 Tributary Hydrologic Conditions (THC) are classified as **Normal.** The PDSI indicates normal conditions and the LONIN is dry. The THC classification is based on the wetter of the two indices

**Water Supply Risk Evaluation**

| Area | Indicator | Value | Color Coded Scoring Scheme |
|---|---|---|---|
| LOK | Projected LOK Stage for the next two months | Beneficial Use Sub-Band | H |
| | Palmer Index for LOK Tributary Conditions | -0.78 (Normal) | L |
| | CPC Precipitation Outlook | 1 month: Normal | L |
| | | 3 months: Above Normal | L |
| | LOK Seasonal Net Inflow Outlook | 1.41 ft (Normal to Extremely Wet) | L |
| | ENSO Forecast (positive) | | |
| | LOK Multi-Seasonal Net Inflow Outlook | 2.81 ft (Normal) | M |
| | ENSO Forecast (positive) | | |
| WCAs | WCA 1: Site 1-7, Site 1-8T, & Site 1-9 Average | Above Line 1 (16.34 ft) | L |
| | WCA 2A: Site 2-17 HW | Above Line 1 (12.08 ft) | L |
| | WCA-3A: 3 Station Average (Site 63, 64 and 65) | Above Line 1 (9.54 ft) | L |
| LEC | Service Area 1 | Year-Round Irrigation Rule in effect | L |
| | Service Area 2 | Year-Round Irrigation Rule in effect | L |
| | Service Area 3 | Year-Round Irrigation Rule in effect | L |

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

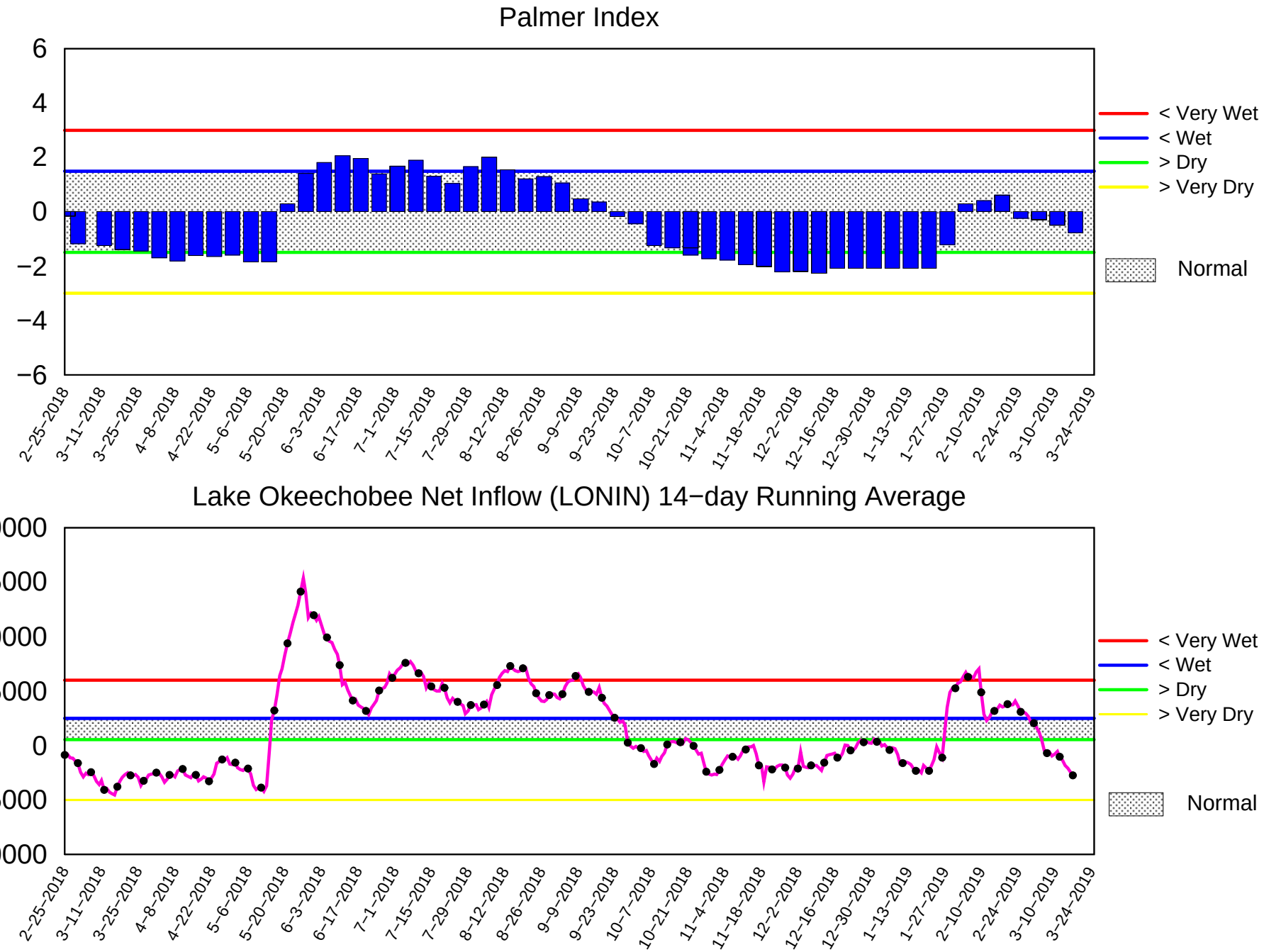
# Lake Okeechobee SFWMM Mar 2019 Position Analysis




(See assumptions on the Position Analysis Results website)

Mon Mar 18 14:41:46 EDT 2019

# Tributary Basin Condition Indicators as of March 18 2019




Mon Mar 18 14:39:53 EDT 2019

# 2008 LORS

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

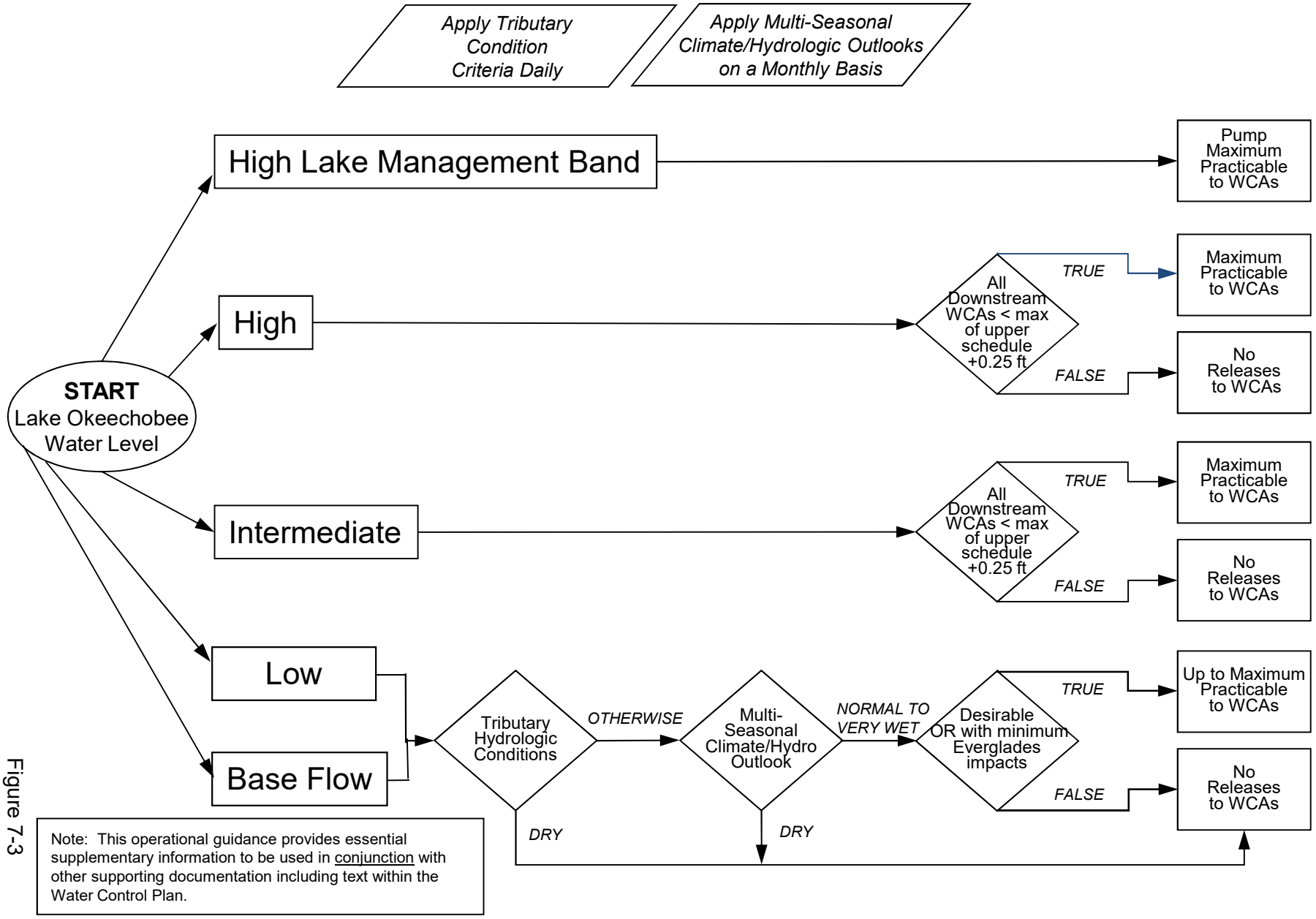



Figure 7-3

# 2008 LORS

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

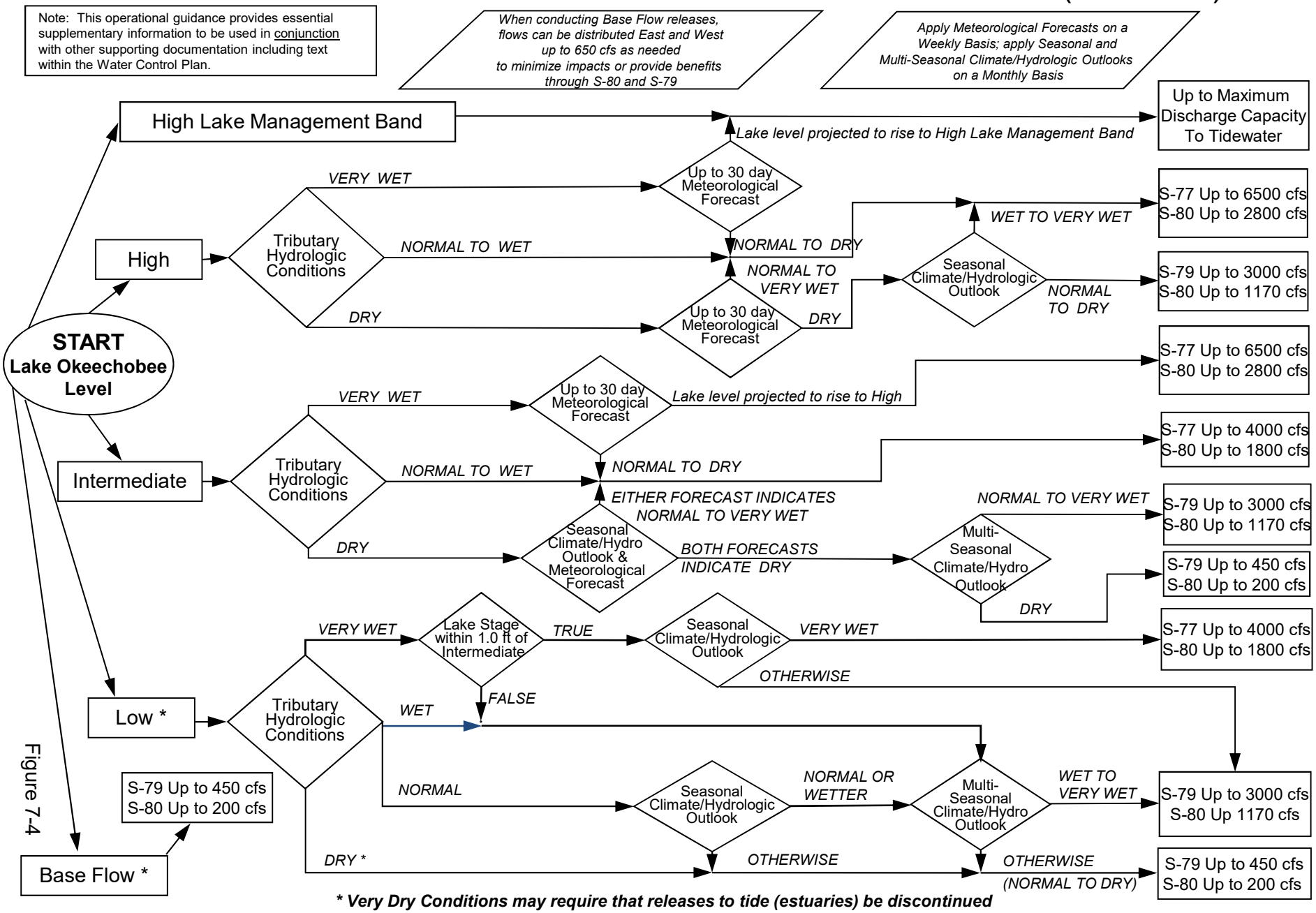
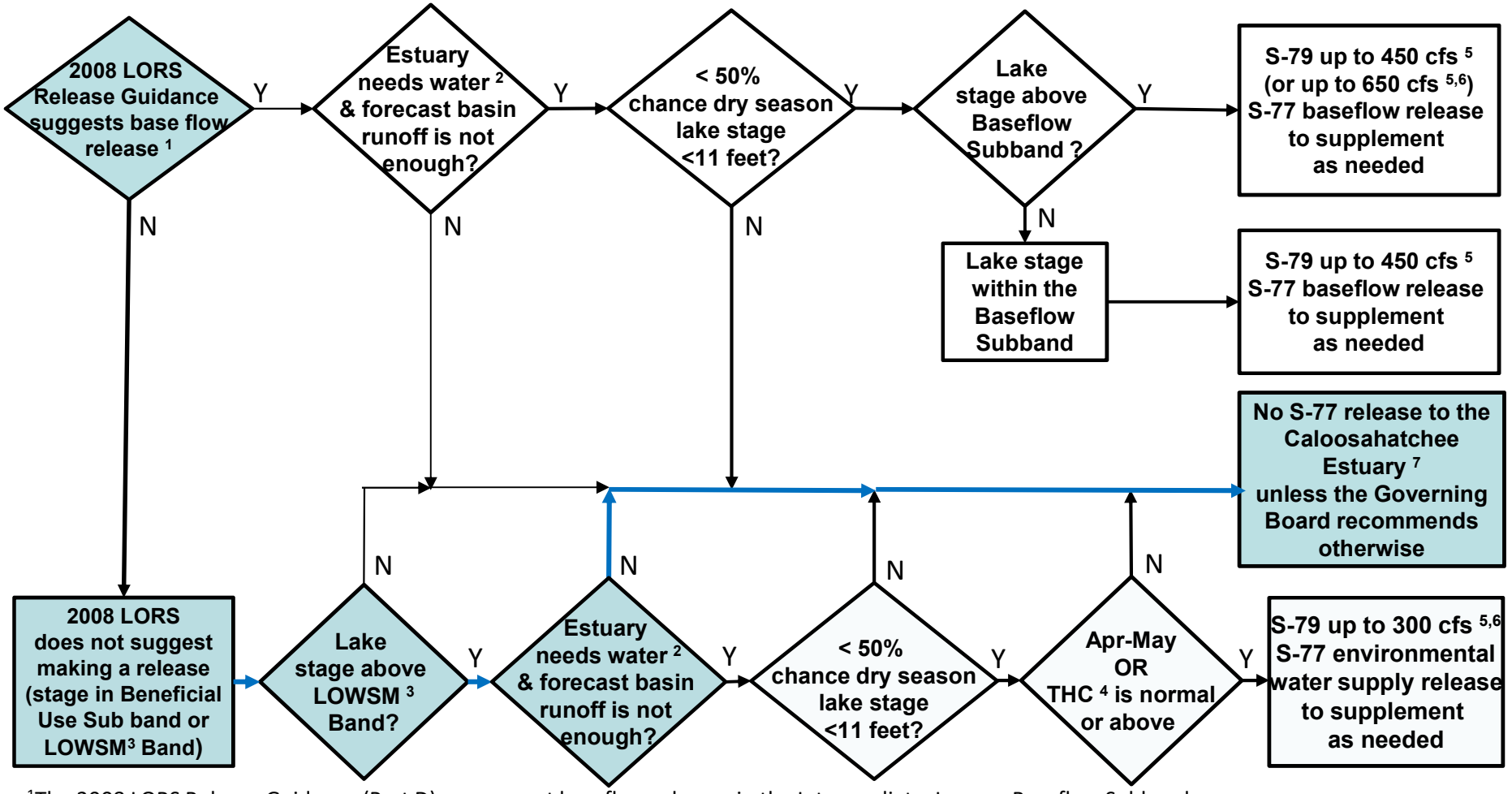



Figure 7-4

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




[1]The 2008 LORS Release Guidance (Part D) can suggest baseflow releases in the Intermediate, Low, or Baseflow Subbands.

[2]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.

[3]LOWSM = Lake Okeechobee Water Shortage Management.

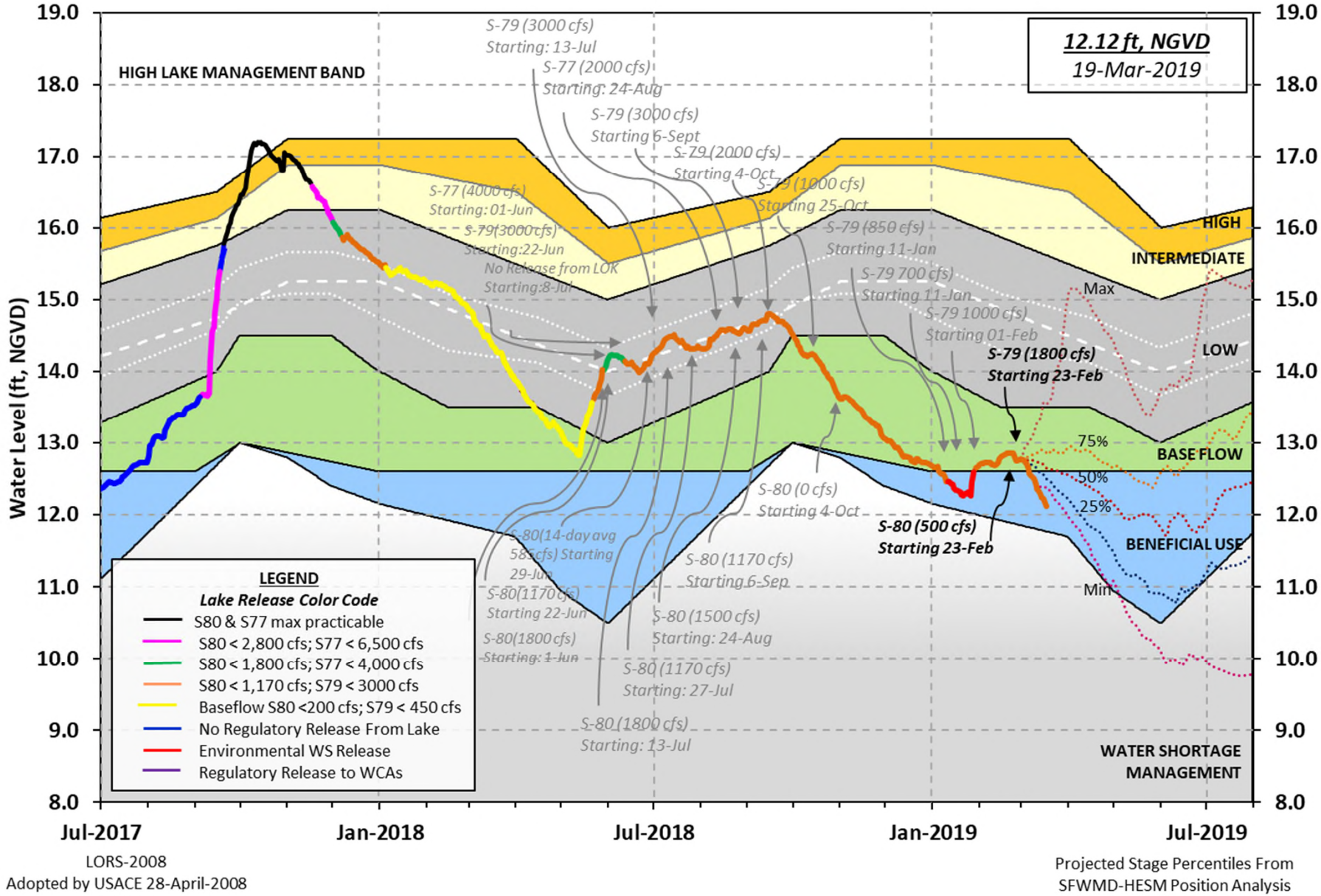
[4]Tributary Hydrologic Condition (THC) is based on classification of Lake Okeechobee Net Inflow and Palmer Index.

[5]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.

[6]After reviewing conditions in Water Conservation Areas (WCAs), Stormwater Treatment Areas (STAs), ENP, St. Lucie Estuary and Lake Okeechobee.

[7]Should this condition be reached, the Governing Board will be briefed at their next regularly scheduled meeting as part of the State of the Water Resources agenda item.

# Lake Okeechobee Water Level History and Projected Stages




LORS-2008
Adopted by USACE 28-April-2008

Projected Stage Percentiles From
SFWMD-HESM Position Analysis

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

Data Ending 2400 hours 17 MAR 2019

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| Okeechobee Lake Regulation | Elevation (ft-NGVD) | Last Year (ft-NGVD) | 2YRS Ago (ft-NGVD) | |
|---|---|---|---|---|
| *Okeechobee Lake Elevation | 12.18 | 14.31 | -NR- | (Official Elv) |

Bottom of High Lake Mngmt= 17.25 Top of Water Short Mngmt= 11.77
Currently in Operational Management Band

Simulated Average LORS2008 [1965-2000] 13.19
Difference from Average LORS2008 -1.01

17MAR (1965-2007) Period of Record Average 14.42
Difference from POR Average -2.24

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

++Navigation Depth (Based on 2007 Channel Condition Survey) Route 1 ÷ 6.12'
++Navigation Depth (Based on 2008 Channel Condition Survey) Route 2 ÷ 4.32'
Bridge Clearance = 51.46'

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

| L001 | L005 | L006 | LZ40 | S4 | S352 | S308 | S133 |
|---|---|---|---|---|---|---|---|
| 12.07 | 12.25 | 12.29 | 12.21 | 12.32 | -NR- | 12.15 | 11.99 |

*Combination Okeechobee Avg-Daily Lake Average = 12.18 (*See Note)

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Okeechobee Inflows (cfs):

| | | | | | |
|---|---|---|---|---|---|
| S65E | 0 | S65EX1 | 567 | Fisheating Cr | 9 |
| S154 | 0 | S191 | 0 | S135 Pumps | 0 |
| S84 | 0 | S133 Pumps | 0 | S2 Pumps | 0 |
| S84X | 0 | S127 Pumps | 0 | S3 Pumps | 0 |
| S71 | 49 | S129 Pumps | 0 | S4 Pumps | 0 |
| S72 | 0 | S131 Pumps | 0 | C5 | 0 |

Total Inflows: 625

Okeechobee Outflows (cfs):

| | | | | | |
|---|---|---|---|---|---|
| S135 Culverts | 0 | S354 | 948 | S77 | 1562 |
| S127 Culverts | 0 | S351 | 496 | S308 | -17 |
| S129 Culverts | 0 | S352 | 533 | | |
| S131 Culverts | 0 | L8 Canal Pt | 36 | | |

Total Outflows: 3558

****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 0.18 S308 0.22
Average Pan Evap x 0.75 Pan Coefficient = 0.15" = 0.01'

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 -7764 cfs or -15400 AC-FT

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| | Headwater Elevation (ft-msl) | Tailwater Elevation (ft-msl) | Disch (cfs) | Gate Positions #1 (ft) | #2 (ft) | #3 (ft) | #4 (ft) | #5 (ft) | #6 (ft) | #7 (ft) | #8 (ft) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | (I) see note at bottom | | | | | | | | |
| North East Shore | | | | | | | | | | | |
| S133 Pumps: | 12.97 | 12.06 | 0 | 0 | 0 | 0 | 0 | 0 | (cfs) | | |
| S193: | | | | | | | | | | | |
| S191: | 16.70 | 12.05 | 0 | 0.0 | 0.0 | 0.0 | | | | | |
| S135 Pumps: | 12.43 | 11.99 | 0 | 0 | 0 | 0 | 0 | | (cfs) | | |
| S135 Culverts: | | | 0 | 0.0 | 0.0 | | | | | | |
| North West Shore | | | | | | | | | | | |
| S65E: | 21.14 | 11.99 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| S65EX1: | 21.14 | 11.99 | 567 | | | | | | | | |
| S127 Pumps: | 12.93 | 12.04 | 0 | 0 | 0 | 0 | 0 | 0 | (cfs) | | |
| S127 Culvert: | | | 0 | 0.0 | | | | | | | |
| S129 Pumps: | 12.83 | 12.34 | 0 | 0 | 0 | 0 | | | (cfs) | | |
| S129 Culvert: | | | 0 | 0.0 | | | | | | | |
| S131 Pumps: | 12.86 | 12.12 | 0 | 0 | 0 | | | | (cfs) | | |
| S131 Culvert: | | | 0 | | | | | | | | |
| Fisheating Creek | | | | | | | | | | | |
| nr Palmdale | | 28.47 | 9 | | | | | | | | |
| nr Lakeport | | | | | | | | | | | |
| C5: | | -NR- | 0 | -NR- | -NR- | -NR- | | | | | |
| South Shore | | | | | | | | | | | |
| S4 Pumps: | 12.48 | 12.41 | 0 | 0 | 0 | 0 | | | (cfs) | | |
| S169: | 12.46 | 12.44 | 68 | 4.9 | 4.9 | 4.9 | | | | | |
| S310: | 12.49 | | 111 | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| S3 Pumps: | 10.38 | 12.52 | 0 | 0 | 0 | 0 | | | | (cfs) |
| S354: | 12.52 | 10.38 | 948 | 2.5 | 2.5 | | | | | |
| S2 Pumps: | 10.45 | -NR- | 0 | 0 | 0 | 0 | 0 | | | (cfs) |
| S351: | -NR- | 10.45 | 496 | 1.6 | 1.6 | 1.4 | | | | |
| S352: | ------ | 10.28 | 533 | 1.4 | 1.4 | | | | | |
| C10A: | -NR- | 12.33 | | 8.0 | 8.0 | 8.0 | 0.0 | 0.0 | | |
| L8 Canal PT | | 12.15 | 36 | | | | | | | |

S351 and S352 Temporary Pumps/S354 Spillway

| | | | | |
|---|---|---|---|---|
| S351: | 10.45 | -NR- | 496 | -NR--NR--NR--NR--NR--NR- |
| S352: | 10.28 | ------ | 533 | -NR--NR--NR--NR- |
| S354: | 10.38 | 12.52 | 948 | -NR--NR--NR--NR- |

Caloosahatchee River (S77, S78, S79)

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| S47B: | 12.21 | 10.81 | | 0.0 | 0.0 | | | | | | | |
| S47D: | 10.88 | 10.89 | -24 | 6.5 | | | | | | | | |
| S77: | | | | | | | | | | | | |
| Spillway and Sector Preferred Flow: | | | | | | | | | | | | |
| | 12.26 | 10.79 | 1559 | 0.0 | 4.7 | 4.7 | 2.5 | | | | | |
| Flow Due to Lockages+: | | | 3 | | | | | | | | | |
| S78: | | | | | | | | | | | | |
| Spillway and Sector Flow: | | | | | | | | | | | | |
| | 10.68 | 2.65 | 1697 | 1.0 | 2.5 | 2.5 | 0.0 | | | | | |
| Flow Due to Lockages+: | | | 17 | | | | | | | | | |
| S79: | | | | | | | | | | | | |
| Spillway and Sector Flow: | | | | | | | | | | | | |
| | 2.76 | 1.76 | 2764 | 1.0 | 1.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.0 | 1.0 | |
| Flow Due to Lockages+: | | | 8 | | | | | | | | | |
| Percent of flow from S77 | | | 56% | | | | | | | | | |
| Chloride | | (ppm) | 61 | | | | | | | | | |

St. Lucie Canal (S308, S80)

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| S308: | | | | | | | | | | | |
| Spillway and Sector Preferred Flow: | | | | | | | | | | | |
| | 12.03 | 12.04 | -17 | 3.5 | 3.5 | 3.5 | 3.5 | | | | |
| Flow Due to Lockages+: | | | 0 | | | | | | | | |
| S153: | 18.65 | 11.83 | 61 | 0.0 | 0.0 | | | | | | |
| S80: | | | | | | | | | | | |
| Spillway and Sector Flow: | | | | | | | | | | | |
| | 11.90 | 1.20 | 206 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | |
| Flow Due to Lockages+: | | | 22 | | | | | | | | |
| Percent of flow from S308 | | | -8% | | | | | | | | |

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

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| Daily Precipitation Totals | 1-Day (inches) | 3-Day (inches) | 7-Day (inches) | Wind Direction (Degø) | Wind Speed (mph) |
|---|---|---|---|---|---|
| S133 Pump Station: | -NR- | 0.00 | 0.00 | | |
| S193: | -NR- | 0.00 | 0.00 | -NR- | -NR- |
| Okeechobee Field Station: | -NR- | 0.00 | 0.00 | | |
| S135 Pump Station: | -NR- | 0.00 | 0.00 | | |
| S127 Pump Station: | -NR- | 0.00 | 0.00 | | |
| S129 Pump Station: | -NR- | 0.00 | 0.00 | | |
| S131 Pump Station: | -NR- | 0.00 | 0.00 | | |
| S77: | 0.00 | 0.00 | 0.00 | 350 | 6 |
| S78: | 0.00 | 0.04 | 0.04 | 66 | 5 |
| S79: | 0.00 | 0.03 | 0.03 | 270 | 0 |
| 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: | 3.46 | 3.51 | 3.51 | 350 | 5 |
| S80: | 0.00 | 0.16 | 0.16 | 14 | 9 |
| Okeechobee Average (Sites S78, S79 and S80 not included) | 1.73 | 0.27 | 0.27 | | |
| Oke Nexrad Basin Avg | -NR- | 0.00 | 0.00 | | |

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| Okeechobee Lake Elevations | | | 12.18 Difference from 17MAR19 | |
|---|---|---|---|---|
| 17MAR19 | -1 Day = | 16 MAR 2019 | 12.22 | 0.04 |
| 17MAR19 | -2 Days = | 15 MAR 2019 | 12.24 | 0.06 |
| 17MAR19 | -3 Days = | 14 MAR 2019 | 12.28 | 0.10 |
| 17MAR19 | -4 Days = | 13 MAR 2019 | 12.33 | 0.15 |
| 17MAR19 | -5 Days = | 12 MAR 2019 | 12.36 | 0.18 |
| 17MAR19 | -6 Days = | 11 MAR 2019 | 12.42 | 0.24 |
| 17MAR19 | -7 Days = | 10 MAR 2019 | 12.47 | 0.29 |
| 17MAR19 | -30 Days = | 15 FEB 2019 | 12.80 | 0.62 |
| 17MAR19 | -1 Year = | 17 MAR 2018 | 14.31 | 2.13 |
| 17MAR19 | -2 Year = | 17 MAR 2017 | -NR- | -NR- |

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Long Term Mean 30day Avearge ET for Lake Alfred (Inches) = 3.25

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

| | | | | | |
|---|---|---|---|---|---|
| 17MAR19 | Today = | 17 MAR 2019 | -2696 | MON | -4192 |
| 17MAR19 | -1 Day = | 16 MAR 2019 | -2398 | SUN | -1678 |
| 17MAR19 | -2 Days = | 15 MAR 2019 | -2051 | SAT | -3287 |
| 17MAR19 | -3 Days = | 14 MAR 2019 | -1801 | FRI | -3896 |
| 17MAR19 | -4 Days = | 13 MAR 2019 | -1262 | THU | 566 |
| 17MAR19 | -5 Days = | 12 MAR 2019 | -997 | WED | -4306 |
| 17MAR19 | -6 Days = | 11 MAR 2019 | -474 | TUE | -2549 |
| 17MAR19 | -7 Days = | 10 MAR 2019 | -753 | MON | 439 |
| 17MAR19 | -8 Days = | 09 MAR 2019 | -980 | SUN | -1153 |
| 17MAR19 | -9 Days = | 08 MAR 2019 | -601 | SAT | 2671 |
| 17MAR19 | -10 Days = | 07 MAR 2019 | -712 | FRI | -899 |
| 17MAR19 | -11 Days = | 06 MAR 2019 | -495 | THU | -10518 |
| 17MAR19 | -12 Days = | 05 MAR 2019 | 543 | WED | -7346 |
| 17MAR19 | -13 Days = | 04 MAR 2019 | 1288 | TUE | -1593 |

S65E

| | | Average Flow over previous 14 days | | | Avg-Daily Flow |
|---|---|---|---|---|---|
| 17MAR19 | Today= | 17 MAR 2019 | 476 | MON | 0 |
| 17MAR19 | -1 Day = | 16 MAR 2019 | 567 | SUN | 0 |
| 17MAR19 | -2 Days = | 15 MAR 2019 | 658 | SAT | 84 |
| 17MAR19 | -3 Days = | 14 MAR 2019 | 743 | FRI | 130 |
| 17MAR19 | -4 Days = | 13 MAR 2019 | 826 | THU | 343 |
| 17MAR19 | -5 Days = | 12 MAR 2019 | 892 | WED | 425 |
| 17MAR19 | -6 Days = | 11 MAR 2019 | 954 | TUE | 413 |
| 17MAR19 | -7 Days = | 10 MAR 2019 | 1025 | MON | 411 |
| 17MAR19 | -8 Days = | 09 MAR 2019 | 1095 | SUN | 414 |
| 17MAR19 | -9 Days = | 08 MAR 2019 | 1164 | SAT | 416 |
| 17MAR19 | -10 Days = | 07 MAR 2019 | 1233 | FRI | 369 |
| 17MAR19 | -11 Days = | 06 MAR 2019 | 1338 | THU | 1090 |
| 17MAR19 | -12 Days = | 05 MAR 2019 | 1423 | WED | 1295 |
| 17MAR19 | -13 Days = | 04 MAR 2019 | 1491 | TUE | 1275 |

S65EX1

| | | Average Flow over previous 14 days | | | Avg-Daily Flow |
|---|---|---|---|---|---|
| 17MAR19 | Today= | 17 MAR 2019 | 354 | MON | 567 |
| 17MAR19 | -1 Day = | 16 MAR 2019 | 360 | SUN | 595 |
| 17MAR19 | -2 Days = | 15 MAR 2019 | 377 | SAT | 451 |
| 17MAR19 | -3 Days = | 14 MAR 2019 | 414 | FRI | 440 |
| 17MAR19 | -4 Days = | 13 MAR 2019 | 462 | THU | 134 |
| 17MAR19 | -5 Days = | 12 MAR 2019 | 542 | WED | 9 |
| 17MAR19 | -6 Days = | 11 MAR 2019 | 630 | TUE | 137 |
| 17MAR19 | -7 Days = | 10 MAR 2019 | 704 | MON | 18 |
| 17MAR19 | -8 Days = | 09 MAR 2019 | 806 | SUN | 300 |
| 17MAR19 | -9 Days = | 08 MAR 2019 | 894 | SAT | 545 |
| 17MAR19 | -10 Days = | 07 MAR 2019 | 974 | FRI | 534 |
| 17MAR19 | -11 Days = | 06 MAR 2019 | 1040 | THU | 394 |
| 17MAR19 | -12 Days = | 05 MAR 2019 | 1085 | WED | 279 |
| 17MAR19 | -13 Days = | 04 MAR 2019 | 1150 | TUE | 558 |

Lake Okeechobee Outlets Last 14 Days

| DATE | S-77 Discharge (ALL DAY) (AC-FT) | Below S-77 Discharge (ALL-DAY) (AC-FT) | S-78 Discharge (ALL DAY) (AC-FT) | S-79 Discharge (ALL DAY) (AC-FT) |
|---|---|---|---|---|
| 17 MAR 2019 | 3151 | 3538 | 3426 | 5491 |
| 16 MAR 2019 | 1746 | 1649 | 2273 | 3867 |
| 15 MAR 2019 | 1946 | 1831 | 1408 | 1736 |
| 14 MAR 2019 | 2838 | 2414 | 2379 | 2238 |
| 13 MAR 2019 | 3225 | 3093 | 2415 | 3241 |
| 12 MAR 2019 | 4219 | 4153 | 2804 | 4342 |
| 11 MAR 2019 | 4117 | 4151 | 4009 | 4930 |
| 10 MAR 2019 | 3245 | 3615 | 3412 | 4731 |
| 09 MAR 2019 | 1283 | 1971 | 2018 | 3261 |
| 08 MAR 2019 | 1295 | 1123 | 1210 | 1510 |
| 07 MAR 2019 | 2172 | 1972 | 1641 | 2287 |
| 06 MAR 2019 | 2435 | 2057 | 2622 | 2901 |
| 05 MAR 2019 | 1967 | 1724 | 2587 | 4151 |
| 04 MAR 2019 | 2643 | 2715 | 2608 | 4472 |

| DATE | S-310 Discharge (ALL DAY) (AC-FT) | S-351 Discharge (ALL DAY) (AC-FT) | S-352 Discharge (ALL DAY) (AC-FT) | S-354 Discharge (ALL DAY) (AC-FT) | L8 Canal Pt Discharge (ALL DAY) (AC-FT) |
|---|---|---|---|---|---|
| 17 MAR 2019 | 220 | 983 | 1057 | 1632 | 72 |
| 16 MAR 2019 | 147 | 652 | 891 | 1083 | 36 |
| 15 MAR 2019 | 147 | 2428 | 1808 | 2205 | -6 |
| 14 MAR 2019 | 220 | 2821 | 1951 | 2495 | 24 |
| 13 MAR 2019 | 326 | 2855 | 1955 | 2624 | 130 |
| 12 MAR 2019 | 368 | 2781 | 1916 | 2794 | 218 |
| 11 MAR 2019 | 222 | 2288 | 1859 | 2522 | 208 |
| 10 MAR 2019 | 246 | 1900 | 1783 | 3554 | 192 |
| 09 MAR 2019 | 288 | 2031 | 1838 | 3379 | 211 |
| 08 MAR 2019 | 327 | 2261 | 1873 | 2814 | 237 |
| 07 MAR 2019 | 248 | 2262 | 1665 | 2550 | 213 |
| 06 MAR 2019 | 243 | 2183 | 1555 | 1400 | 264 |
| 05 MAR 2019 | 175 | 2173 | 1427 | 904 | 164 |
| 04 MAR 2019 | 146 | 1650 | 1401 | 912 | 48 |

| DATE | S-308 Discharge (ALL DAY) (AC-FT) | Below S-308 Discharge (ALL-DAY) (AC-FT) | S-80 Discharge (ALL-DAY) (AC-FT) |
|---|---|---|---|
| 17 MAR 2019 | -122 | 221 | 453 |
| 16 MAR 2019 | -25 | 392 | 458 |
| 15 MAR 2019 | 487 | 767 | 512 |
| 14 MAR 2019 | 1206 | 1303 | 728 |
| 13 MAR 2019 | 1469 | 1531 | 957 |
| 12 MAR 2019 | 2439 | 2236 | 1368 |
| 11 MAR 2019 | 3155 | 2725 | 1672 |
| 10 MAR 2019 | 2057 | 1928 | 1602 |
| 09 MAR 2019 | 702 | 1167 | 1039 |
| 08 MAR 2019 | 618 | 1033 | 838 |
| 07 MAR 2019 | 717 | 1241 | 832 |
| 06 MAR 2019 | 1794 | 1701 | 1060 |
| 05 MAR 2019 | 1424 | 2466 | 1649 |
| 04 MAR 2019 | 1666 | 2639 | 1705 |

*** 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 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 Okechobee elevation is determined from the 4 Int & 4 Edge stations
++ For more information see the Jacksonville District Navigation website
at http://www.saj.usace.army.mil/
$ For information regarding Lake Okeechobee Service Area water restrictions
please refer to www.sfwmd.gov

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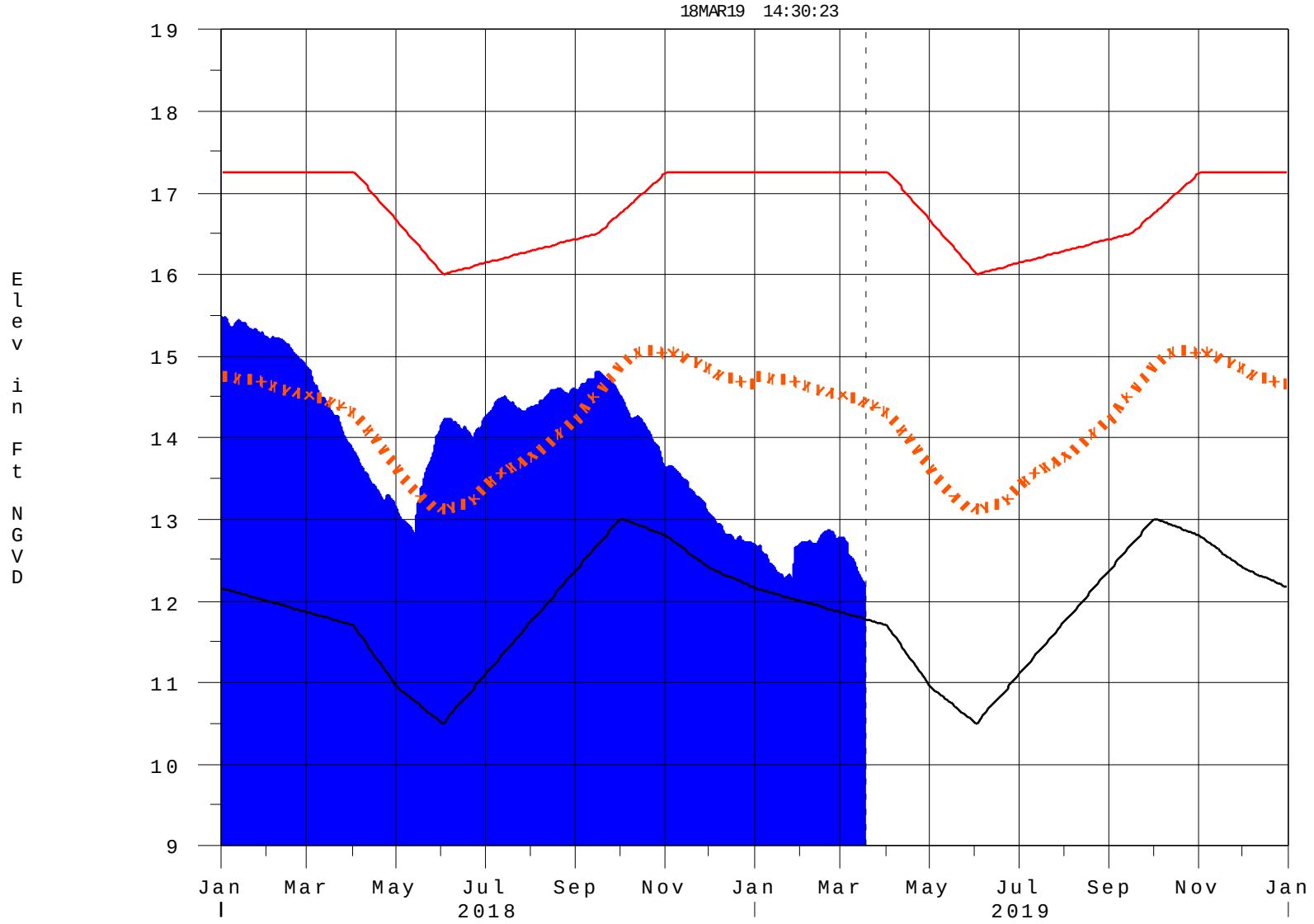
Report Generated 18MAR2019 @ 14:15 ** Preliminary Data - Subject to Revision **

# Lake Okeechobee



# 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 >= 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*

| Lake Net Inflow Prediction [million acre-feet] | Equivalent Depth** [feet] | Lake Okeechobee Net Inflow 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 |

****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 Prediction [million acre-feet]** | **Equivalent Depth** [feet]** | **Lake Okeechobee 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 |

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

## 6-15 Day Precipitation Outlook Categories*

| 6-15 Day Precipitation Outlook Categories | WSE Decision Tree Categories |
|---|---|
| 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