Application of the Lake Okeechobee Regulation Schedule (LORS2008) on 1/21/2019 (ENSO Neutral Condition)

Lake Okeechobee Net Inflow Outlook:

The Lake Okeechobee Net Inflow Outlook has been computed using 4 methods: Croley's method¹, the SFWMD empirical method², a sub-sampling of Neutral years³ and a sub-sampling of warm years of the Atlantic Multi-decadal Oscillation (AMO) in combination with La Nina ENSO years⁴. The results for Croley's method and the SFWMD empirical method are based on the <u>CPC Outlook</u>.

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 | Cr Me | roley's ethod ^{1*} | SF En Mo | FWMD npirical ethod ² | Sub-sa Neutr Y | ampling of al ENSO ears ³ | Sub-sampling of AMO Warm + Neutral ENSO Years ⁴ | | |
|--------------------------------|---------------|--------------------------------|----------------|--|----------------------|--|---|-----------|--|
| | Value (ft) | Value (ft) <u>Condition</u> | | Condition | Value (ft) | Condition | Value (ft) | Condition | |
| Current (Jan- Jun) | N/A | N/A | 0.43 | Dry | 1.21 | Normal | 0.19 | Dry | |
| Multi Seasonal (Jan-Oct) | N/A | N/A | 2.93 | Wet | 3.61 | Wet | 2.14 | Normal | |

*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.

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

Tributary Hydrologic Conditions Graph:

-2101 cfs 14-day running average for Lake Okeechobee Net Inflow through 1/21/2019. According to the classification in <u>Tributary Hydrologic Conditions</u> table, this condition is Dry.

-2.07 for Palmer Index on 12/15/2018.

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 1/21/2019

Lake Okeechobee Stage: 12.28 feet

USACE Report for Lake Okeechobee

Lake Okeechobee Stage Hydrograph

| Lake Okeechob Zone/ | ee Management 'Band | Bottom Elevation (feet, NGVD) | Current Lake Stage |
|------------------------|--------------------------|----------------------------------|-----------------------|
| High Lake Manage | ement Band | 17.25 | |
| | High sub-band | 16.80 | |
| Operational Band | Intermediate sub-band | 16.09 | |
| | Low sub-band | 13.79 | |
| Base Flow sub-ba | nd | 12.60 | |
| Beneficial Use sub | o-band | | ← 12.28 |
| Water Shortage M | anagement Band | 12.05 | |

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 01/21/2019 (ENSO Neutral Condition):

Status for week ending 01/21/2019:

District wide, Raindar rainfall was 0.35 inches for the week. Lake stage on 01/21/2019 was 12.28 ft, NGVD, down 0.16 ft from last week .The updated January 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 Condition (THC) is classified as **Dry.** The PDSI indicates dry conditions and the LONIN is dry. The THC classification is based on the wetter of the two indices

| Area | Indicator | Value | Color Coded Scoring Scheme |
|----------------------------|---|---|-------------------------------|
| | Projected LOK Stage for the next two months | Water Shortage Mgt Band | Н |
| | Palmer Index for LOK Tributary Conditions | -2.07* (Extremely Dry) | н |
| | CPC Provinitation Outlook | 1 month: Normal | L |
| LOK | CPC Precipitation Outlook | 3 months: Above Normal | L |
| LOK WCAs | LOK Seasonal Net Inflow Outlook ENSO Forecast (positive) | 1.21 ft (Normal) | L |
| | LOK Multi-Seasonal Net Inflow Outlook | 3.61 ft (Wet) | L |
| | ENSO Forecast (positive) | | |
| | WCA 1: Site 1-7, Site 1-8T, & Site 1-9 Average | Line 1- Line 2 (16.17 ft) | М |
| WCAs | WCA 2A: Site 2-17 HW | Above Line 1 (11.70 ft) | L |
| Area LOK WCAs LEC | WCA-3A: 3 Station Average (Site 63, 64 and 65) | Line 1- Line 2 (9.22 ft) | М |
| | Service Area 1 | Year-Round Irrigation Rule in effect | L |
| LOK | Service Area 2 | Year-Round Irrigation Rule in effect | L |
| | Service Area 3 | Year-Round Irrigation Rule in effect | L |

Water Supply Risk Evaluation

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.

*PDSI - using December 15th value as current data is unavailable due to partial closure of the U.S government

Lake Okeechobee SFWMM Jan 2019 Position Analysis



(See assumptions on the Position Analysis Results website)

Tue Jan 22 09:13:21 EST 2019



Tributary Basin Condition Indicators as of January 21 2019

Palmer Index

Tue Jan 22 09:11:47 EST 2019

Flow (cfs)

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)





¹The 2008 LORS Release Guidance (Part D) can suggest baseflow releases in the Intermediate, Low, or Baseflow Subbands. ²Estuary "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. ³LOWSM = Lake Okeechobee Water Shortage Management.

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

⁵Can release less than the "up to" limit if lower release is sufficient to reach or sustain desired estuary salinity; cfs = cubic feet per second. ⁶After reviewing conditions in Water Conservation Areas (WCAs), Stormwater Treatment Areas (STAs), ENP, St. Lucie Estuary and Lake Okeechobee. ⁷Should 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

Adopted by USACE 28-April-2008

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 20 JAN 2019

Okeechobee Lake Regulation Elevation Last Year 2YRS Ago (ft-NGVD) (ft-NGVD) (ft-NGVD) 13.96 (Official Elv) *Okeechobee Lake Elevation 12.28 15.33 Bottom of High Lake Mngmt= 17.25 Top of Water Short Mngmt= 12.05 Currently in Operational Management Band Simulated Average LORS2008 [1965-2000] - NR -Difference from Average LORS2008 -NR-20JAN (1965-2007) Period of Record Average 14.71 Difference from POR Average -2.43 Today Lake Okeechobee elevation is determined from the 4 Int & 4 Edge stations ++Navigation Depth (Based on 2007 Channel Condition Survey) Route 1 ÷ 6.22' ++Navigation Depth (Based on 2008 Channel Condition Survey) Route 2 ÷ 4.42' Bridge Clearance = 50.56' 4 Interior and 4 Edge Okeechobee Lake Average (Avg-Daily values): L001 L005 L006 LZ40 S4 S352 S308 S133 12.27 12.08 12.41 12.32 12.10 12.57 12.21 - NR -*Combination Okeechobee Avg-Daily Lake Average = 12.28 (*See Note) Okeechobee Inflows (cfs): S65E 334 S65EX1 0 Fisheating Cr 3 S154 0 S191 0 S135 Pumps 0 S84 0 S133 Pumps 0 S2 Pumps 0 S84X 0 S127 Pumps 0 S3 Pumps 0 S71 0 S129 Pumps 0 S4 Pumps 0 0 S131 Pumps 0 C5 0 S72 Total Inflows: 337 Okeechobee Outflows (cfs): 619 S135 Culverts 0 S354 77 S77 S127 Culverts 0 S351 192 S308 307 S129 Culverts 0 S352 211 S131 Culverts 0 L8 Canal Pt: 139 Total Outflows: 1544 ****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 0.03 S308 0.21 Average Pan Evap x 0.75 Pan Coefficient = 0.09" = 0.01'

Lake Average Precipitation using NEXRAD: = 0.06" = 0.00'

| Evaporation - Precipitation: | = | 0.03" | = | 0.00 | | |
|---|-----|--------|---|-------|--------|-------|
| Evaporation - Precipitation using Lake Ar | rea | of 730 | s | quare | miles | |
| is equal to 589 cfs out of the lake. | • | | | | | |
| Lake Okeechobee (Change in Storage) Flow | is | -7764 | c | fs or | -15400 | AC-FT |

| | Headwater | Tailwater | | | | - Gat | e Pos | itio | 15 | | |
|---------------|------------|------------|----------|---------|--------------|---------|------------|------|----------|------|------|
| | Flevation | Flevation | Disch | #1 | #2 | #3 | μΔ #Δ | #5 | #6 | #7 | #8 |
| | $(f+_mc1)$ | (f+ms1) | (cfs) | (f+) | (f+) | /f+) | (f+) | (f+) | (f+) | (f+) | (f+) |
| | (10-1151) | (10-1131) | T coor | (10) | (IC) bott | (T C) | (10) | (10) | (10) | (10) | (10) |
| Nonth East S | hono | (| I) See I | iote at | DULL | JIII | | | | | |
| | | 11 02 | ٥ | 0 | 0 | 0 | 0 | 0 | (| | |
| SI33 Pumps | : 12.58 | 11.92 | 0 | 0 | 0 | 0 | 0 | 0 | (СТ |) | |
| 5193: | | 11 00 | • | 0.0 | ~ ~ | ~ ~ | | | | | |
| \$191: | 18.19 | 11.89 | 0 | 0.0 | 0.0 | 0.0 | | | | | |
| S135 Pumps | : 11.94 | 12.00 | 0 | 0 | 0 | 0 | 0 | | (c+s | 5) | |
| S135 Culve | rts: | | 0 | 0.0 | 0.0 | | | | | | |
| North West Sl | hore | | | | | | | | | | |
| S65E: | 20.81 | 11.60 | 334 | 0.2 | 0.2 | 0.0 | 0.0 | 0.2 | 0.2 | | |
| S65EX1: | 20.81 | 11.60 | 0 | | | | | | | | |
| S127 Pumps | 12.54 | 12.03 | 0 | 0 | 0 | Ø | Ø | 0 | (cfs | ;) | |
| S127 Culve | rt. | 12:00 | â | a a | Ũ | Ũ | Ũ | Ũ | (010 | ., | |
| 5127 CUIVE | | | Ũ | 0.0 | | | | | | | |
| S129 Pumps | : 12.97 | 12.57 | 0 | 0 | 0 | 0 | | | (cfs | ;) | |
| S129 Culve | rt: | | 0 | 0.0 | - | - | | | 、 | , | |
| 0110 00110 | | | · · | | | | | | | | |
| S131 Pumps | : 13.15 | 11.82 | 0 | 0 | 0 | | | | (cfs | ;) | |
| S131 Culve | rt: | | 0 | | | | | | ` | , | |
| | | | | | | | | | | | |
| Fisheating | Creek | | | | | | | | | | |
| nr Palmda | ale | 28.15 | 3 | | | | | | | | |
| nr Lakep | ort | | | | | | | | | | |
| C5: | | -NR- | 0 | -NR | NR | NR | { – | | | | |
| | | | | | | | | | | | |
| South Shore | | | | | | | | | | | |
| S4 Pumps: | 12.33 | 12.53 | 0 | 0 | 0 | 0 | | | (cfs | 5) | |
| S169: | 12.55 | 12.45 | 5 | 5.0 | 5.0 | 5.0 | | | | | |
| S310: | 12.38 | | 40 | | | | | | | | |
| S3 Pumps: | 10.35 | 12.83 | 0 | 0 | 0 | 0 | | | (cfs | 5) | |
| S354: | 12.83 | 10.35 | 77 | 0.0 | 0.0 | | | | | | |
| S2 Pumps: | 11.12 | - NR - | 0 | 0 | 0 | 0 | 0 | | (cfs | 5) | |
| S351: | -NR- | 11.12 | 192 | 0.0 | 0.0 | 0.0 | | | • | , | |
| S352: | | 10.09 | 211 | 0.3 | 0.5 | | | | | | |
| C10A: | -NR- | 12.62 | | 8.0 | 8.0 | 8. | 0 0 |).0 | 0.0 | | |
| L8 Canal P | Т | 12.59 | 139 | | 0.0 | | | | | | |
| | - | | | | | | | | | | |
| | | | | | | | | | | | |
| | S35: | 1 and S352 | Tempora | ary Pum | ps/S3 | 54 Sp | oillwa | у | | | |
| S351: | 11.12 | - NR - | 192 | -NR N | RNR | NR - | - NR | NR- | | | |
| S352: | 10.09 | | 211 | -NRN | RNR | NR - | | | | | |
| S354: | 10.35 | 12.83 | 77 | - NR N | RNR | NR - | | | | | |
| | | | | | | | | | | | |
| Caloosahatch | ee River (| S77, S78. | S79) | | | | | | | | |
| S47B: | 11.88 | 11.12 | , | 0.0 | 0.0 | | | | | | |
| S47D: | 11.12 | 11.13 | -5 | 6.5 | | | | | | | |

S77: Spillway and Sector Preferred Flow: 12.05 10.98 618 0.0 4.0 0.0 0.0 1 Flow Due to Lockages+: \$78: Spillway and Sector Flow: 623 1.5 0.0 0.0 0.0 10.94 2.86 Flow Due to Lockages+: - NR -S79: Spillway and Sector Flow: 1208 0.0 1.0 1.0 1.0 1.0 1.0 0.0 0.0 3.07 1.25 Flow Due to Lockages+: 3 Percent of flow from S77 51% Chloride (ppm) 61 St. Lucie Canal (S308, S80) S308: Spillway and Sector Preferred Flow: 12.41 12.94 307 0.0 0.0 0.0 0.0 Flow Due to Lockages+: 0 S153: 18.45 12.72 0 0.0 0.0 S80: Spillway and Sector Flow: 12.94 0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.65 Flow Due to Lockages+: 5 Percent of flow from S308 NA % Steele Point Top Salinity (mg/ml) **** Steele Point Bottom Salinity (mg/ml) **** (mg/ml) **** Speedy Point Top Salinity 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 |
|----------------------------|----------|----------|----------|----------|---------|
| Daily Precipitation Totals | 1-Day | 3-Day | 7-Day | Directio | n Speed |
| | (inches) | (inches) | (inches) | (Degø) | (mph) |
| S133 Pump Station: | - NR - | 0.00 | 0.00 | | |
| S193: | - NR - | 0.00 | 0.00 | - NR - | - NR - |
| Okeechobee Field Station: | - NR - | 0.00 | 0.00 | | |
| S135 Pump Station: | - NR - | 0.00 | 0.00 | | |
| S127 Pump Station: | - NR - | 0.00 | 0.00 | | |
| S129 Pump Station: | - NR - | 0.00 | 0.00 | | |
| S131 Pump Station: | - NR - | 0.00 | 0.00 | | |
| S77: | 0.00 | 0.00 | 0.00 | 316 | 6 |
| S78: | 1.71 | 1.85 | 1.85 | 316 | 3 |
| S79: | 2.25 | 2.50 | 2.50 | 353 | 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: | 0.66 | 0.69 | 0.69 | 337 | 20 |
| S80: | 0.45 | 0.50 | 0.50 | 345 | 5 |
| Okeechobee Average | 0.33 | 0.05 | 0.05 | | |

| 0ke | Nexrad | Basin | Avg | 0.06 | 0.36 | 0.36 |
|-----|--------|-------|-----|------|------|------|
| | | | | | | |

| Okeechobee | Lake Elevations | 20 JAN 2019 | 12.28 Differe | nce from 20JAN19 |
|------------|-----------------|-------------|---------------|------------------|
| 20JAN19 | -1 Day = | 19 JAN 2019 | 12.32 | 0.04 |
| 20JAN19 | -2 Days = | 18 JAN 2019 | 12.33 | 0.05 |
| 20JAN19 | -3 Days = | 17 JAN 2019 | 12.34 | 0.06 |
| 20JAN19 | -4 Days = | 16 JAN 2019 | 12.34 | 0.06 |
| 20JAN19 | -5 Days = | 15 JAN 2019 | 12.37 | 0.09 |
| 20JAN19 | -6 Days = | 14 JAN 2019 | 12.42 | 0.14 |
| 20JAN19 | -7 Days = | 13 JAN 2019 | 12.44 | 0.16 |
| 20JAN19 | -30 Days = | 21 DEC 2018 | 12.78 | 0.50 |
| 20JAN19 | -1 Year = | 20 JAN 2018 | 15.33 | 3.05 |
| 20JAN19 | -2 Year = | 20 JAN 2017 | 13.96 | 1.68 |
| | | | | |

Long Term Mean 30day Avearge ET for Lake Alfred (Inches) = 1.89

| | | | L | .ake (| Okeed | chobee | Net Inflo | ow (LONIN) | |
|---------|-----|-------|---------|--------|-------|--------|-----------|------------|----------------|
| | | | Average | Flow | N OVE | er the | previous | 14 days | Avg-Daily Flow |
| 20JAN19 | - | Today | = | 20 | JAN | 2019 | -2334 | MON | -6221 |
| 20JAN19 | -1 | Day | = | 19 | JAN | 2019 | -2068 | SUN | 632 |
| 20JAN19 | -2 | Days | = | 18 | JAN | 2019 | -2801 | SAT | 463 |
| 20JAN19 | -3 | Days | = | 17 | JAN | 2019 | -2385 | FRI | 2517 |
| 20JAN19 | -4 | Days | = | 16 | JAN | 2019 | -2582 | THU | -3306 |
| 20JAN19 | -5 | Days | = | 15 | JAN | 2019 | -2350 | WED | -7468 |
| 20JAN19 | -6 | Days | = | 14 | JAN | 2019 | -1974 | TUE | -1658 |
| 20JAN19 | -7 | Days | = | 13 | JAN | 2019 | -1814 | MON | -1353 |
| 20JAN19 | -8 | Days | = | 12 | JAN | 2019 | -1703 | SUN | -NR- |
| 20JAN19 | -9 | Days | = | 11 | JAN | 2019 | -1559 | SAT | 2019 |
| 20JAN19 | -10 | Days | = | 10 | JAN | 2019 | -1586 | FRI | -8096 |
| 20JAN19 | -11 | Days | = | 09 | JAN | 2019 | -922 | THU | -8158 |
| 20JAN19 | -12 | Days | = | 08 | JAN | 2019 | -259 | WED | -205 |
| 20JAN19 | -13 | Days | = | 07 | JAN | 2019 | -321 | TUE | 486 |
| | | | | | | | | | |

| | | | | | Se | 55E | | | | | |
|---------|-----|--------|---|---------|------|--------|----------|---------|---|-----------|------|
| | | | | Average | Flow | v over | previous | 14 days | | Avg-Daily | Flow |
| 20JAN19 | | Today | = | 20 | JAN | 2019 | 345 | MON | | 401 | |
| 20JAN19 | -1 | Day : | = | 19 | JAN | 2019 | 334 | SUN | | 346 | |
| 20JAN19 | -2 | Days | = | 18 | JAN | 2019 | 329 | SAT | | 354 | |
| 20JAN19 | -3 | Days | = | 17 | JAN | 2019 | 324 | FRI | | 372 | |
| 20JAN19 | -4 | Days : | = | 16 | JAN | 2019 | 317 | THU | | 363 | |
| 20JAN19 | -5 | Days | = | 15 | JAN | 2019 | 310 | WED | | 392 | |
| 20JAN19 | -6 | Days | = | 14 | JAN | 2019 | 297 | TUE | | 358 | |
| 20JAN19 | -7 | Days : | = | 13 | JAN | 2019 | 285 | MON | | 462 | |
| 20JAN19 | -8 | Days | = | 12 | JAN | 2019 | 269 | SUN | | 286 | |
| 20JAN19 | -9 | Days : | = | 11 | JAN | 2019 | 273 | SAT | | 289 | |
| 20JAN19 | -10 | Days : | = | 10 | JAN | 2019 | 273 | FRI | | 338 | |
| 20JAN19 | -11 | Days | = | 09 | JAN | 2019 | 259 | THU | | 264 | |
| 20JAN19 | -12 | Days : | = | 08 | JAN | 2019 | 249 | WED | | 259 | |
| 20JAN19 | -13 | Days | = | 07 | JAN | 2019 | 237 | TUE | | -NR- | |
| | | 1 | | | | | | | | | |
| | | | | | Se | 55EX1 | | | | ····· | |
| | | | | Average | Flow | v over | previous | 14 days | | Avg-Daily | Flow |
| 20JAN19 | | Today | = | 20 | JAN | 2019 | 2 | MON | İ | 0 0 | |
| 20JAN19 | -1 | Day | = | 19 | JAN | 2019 | 2 | SUN | i | 0 | |
| 20JAN19 | -2 | Days | = | 18 | JAN | 2019 | 2 | SAT | i | 0 | |
| | | , | | | | | | | | | |

| 20JAN19 | -3 | Days | = | 17 | JAN | 2019 | 2 | FR | I | 0 | |
|---------|-----|------|---|----|-----|------|----|------|---|----|--|
| 20JAN19 | -4 | Days | = | 16 | JAN | 2019 | 2 | TH | U | 0 | |
| 20JAN19 | -5 | Days | = | 15 | JAN | 2019 | 2 | WE | D | 0 | |
| 20JAN19 | -6 | Days | = | 14 | JAN | 2019 | 2 | TU | E | 0 | |
| 20JAN19 | -7 | Days | = | 13 | JAN | 2019 | 2 | MO | N | 0 | |
| 20JAN19 | -8 | Days | = | 12 | JAN | 2019 | 2 | SU | N | 0 | |
| 20JAN19 | -9 | Days | = | 11 | JAN | 2019 | 2 | SA | Т | 0 | |
| 20JAN19 | -10 | Days | = | 10 | JAN | 2019 | 2 | FR | I | 29 | |
| 20JAN19 | -11 | Days | = | 09 | JAN | 2019 | e | TH | U | 0 | |
| 20JAN19 | -12 | Days | = | 08 | JAN | 2019 | 4 | - WE | D | 0 | |
| 20JAN19 | -13 | Days | = | 07 | JAN | 2019 | 15 | TU | E | 0 | |

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 | Ξ | (AC-FT) | (AC-FT) | (AC-FT) | (AC-FT) | |
| 20 | JAN | 2019 | 1186 | 1001 | - NR - | 2422 | |
| 19 | JAN | 2019 | 2128 | 1914 | 1528 | 1624 | |
| 18 | JAN | 2019 | 1634 | 1459 | 902 | 848 | |
| 17 | JAN | 2019 | 1621 | 1464 | 893 | 857 | |
| 16 | JAN | 2019 | 1661 | 1382 | 901 | 980 | |
| 15 | JAN | 2019 | 1536 | 1264 | 905 | 1395 | |
| 14 | JAN | 2019 | 1753 | 1546 | 1083 | 1934 | |
| 13 | JAN | 2019 | 2792 | 2644 | 1757 | 2311 | |
| 12 | JAN | 2019 | 2489 | 2199 | 1796 | 2567 | |
| 11 | JAN | 2019 | 1693 | 1388 | 846 | 1683 | |
| 10 | JAN | 2019 | 1269 | 1083 | 300 | 183 | |
| 09 | JAN | 2019 | 811 | 670 | 303 | 811 | |
| 08 | JAN | 2019 | 1271 | 1218 | 736 | 1652 | |
| 07 | JAN | 2019 | 2508 | 2274 | 1787 | 2059 | |
| | | | | | | | |
| | | | 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) |
| 20 | JAN | 2019 | 78 | 380 | - NR - | 131 | 275 |
| 19 | JAN | 2019 | 9 47 | 1255 | - NR - | 506 | 58 |
| 18 | JAN | 2019 | 309 | 1194 | -NR - | 599 | 143 |
| 17 | JAN | 2019 | 165 | 1553 | -NR - | 502 | 147 |
| 16 | JAN | 2019 | 392 | 1470 | -NR - | 393 | 167 |
| 15 | JAN | 2019 | 349 | 1186 | - NR - | 359 | 224 |
| 14 | JAN | 2019 | 288 | 1126 | - NR - | 399 | 159 |
| 13 | JAN | 2019 | 137 | 827 | - NR - | 297 | 182 |
| 12 | JAN | 2019 | 232 | 956 | -NR - | 208 | 113 |
| 11 | JAN | 2019 | 220 | 832 | -NR - | 311 | 171 |
| 10 | JAN | 2019 | 445 | 705 | -NR - | 292 | 206 |
| 09 | JAN | 2019 | 286 | 1037 | - NR - | 210 | 264 |
| 08 | JAN | 2019 | 315 | 1312 | - NR - | 0 | 222 |
| 07 | JAN | 2019 | 274 | 1191 | - NR - | - NR - | 190 |
| | | | | - 1 | | | |
| | | | 5-308 Diaska | RETOM 2-308 | 5-80 | _ | |
| | | | Discharge | Discharge | Discharge | 2 | |
| | D | _ | (ALL DAY) | (ALL-DAY) | (ALL-DAY |) | |
| 22 | DATE | - | (AC-FI) | (AC-FT) | (AC-FF) | | |
| 20 | JAN | 2019 | 9 5/1 | 896 | 10 | | |
| 19 | JAN | 2019 | -51 | 342 | 26 | | |
| 18 | JAN | 2019 | -199 | 171 | 20 | | |
| 17 | JAN | 2019 | -20 | 364 | 32 | | |
| 16 | JAN | 2019 | -130 | 501 | 35 | | |
| 15 | JAN | 2019 | -161 | 281 | 36 | | |

| 14 | JAN | 2019 | -249 | -112 | 27 |
|----|-----|------|------|------|----|
| 13 | JAN | 2019 | -296 | 70 | 41 |
| 12 | JAN | 2019 | -431 | 215 | 30 |
| 11 | JAN | 2019 | -447 | 30 | 36 |
| 10 | JAN | 2019 | -326 | 3 | 23 |
| 09 | JAN | 2019 | -351 | 27 | 31 |
| 08 | JAN | 2019 | -397 | -163 | 35 |
| 07 | JAN | 2019 | -1 | -14 | 21 |
| | | | | | |

^{***} 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

| * | 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

Report Generated 21JAN2019 @ 23:38 ** Preliminary Data - Subject to Revision **

Lake Okeechobee



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

<u>6-15 Day Precipitation Outlook Categories</u>

Table ?? in the Lake Okeechobee Water Control Plan

<u>Classification of Lake Okeechobee Net Inflow for Seasonal</u>

<u>Outlook</u>

 Table K-3 in the Lake Okeechobee Water Control Plan

<u>Classification of Lake Okeechobee Net Inflow for Multi-</u>

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 |

* use the wettest of the two indicators

Classification of Lake Okeechobee Net Inflow Seasonal Outlook*

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

**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