

MEMORANDUM

TO: Laureen Borocharner, Chief, Engineering Division (USACE)
FROM: John Mitnik, Chief District Engineer (SFWMD)
Akin Owosina, Chief, Hydrology & Hydraulics Bureau (SFWMD)
DATE: November 8, 2018
SUBJECT: Operational Position Statement for November 6, 2018 to November 12, 2018

This Position Statement is for the one-week period from November 6, 2018 to November 12, 2018. On November 5, 2018, the Lake Okeechobee stage was 13.65 feet NGVD, which places it within the Base Flow Sub-band of the 2008 Lake Okeechobee Regulation Schedule (LORS). The Lake stage decreased by 0.11 feet during the preceding 7 days.

SFWMD (District) November rainfall to date is above-average (172% of average). District forecast (issued November 6) predicts below-average rainfall for the coming week and near-average the following week.

Precipitation Outlook: The CPC precipitation outlook for November is for increased chances of above-normal rainfall (45%) north of Lake Okeechobee and slightly increased chances (37%) of above-normal rainfall for the remainder of the District. The outlook for the 3-month windows from Nov-Jan to Mar-May is for increased chances (45%) of above-normal rainfall. The April-June window has a slightly increased chance of above normal rainfall (37%). All periods starting with the May-Jul window show equal chances of above-normal, normal, or below normal rainfall.

2008 LORS Release Guidance (Part C): With Lake Okeechobee stage within the Base Flow Sub-band, the Tributary Hydrologic Conditions in the Dry category, Part C of the 2008 LORS release guidance recommends “No releases to the WCAs”.

Over the 7-day period from October 29, 2018 to November 4, 2018, STA-1E received 3,100 acre-feet of Lake Okeechobee releases, STA-2 received 2,500 acre-feet and the A-1 FEB, STA 3/4 complex received 5,400 acre-feet. No Lake Okeechobee releases were discharged to tide through the C-51 canal. Stage in WCA-1 is below regulation schedule. Stage in WCA-2A is above regulation schedule. WCA-3A stage is in Zone D of the regulation schedule. For the coming operational period, the USACE is utilizing Additional Operation Flexibility (AOF) within LORS2008 Water Control Plan as documented in the October 26, 2018 Memorandum For the Record (MFR) and is requesting the SFWMD to continue regulatory releases from the lake south to the WCAs.

2008 LORS Release Guidance (Part D): With Lake Okeechobee stage within the Base Flow Sub-band, Part D of the 2008 LORS release guidance suggests: “S-79 up to 450 cfs and S-80 up to 200 cfs”.

Total discharge to the St. Lucie Estuary averaged approximately 430 cfs over the past week with no releases from Lake Okeechobee. The 7-day average salinity at the US1 Bridge is in the good range for adult oysters. Total inflow to the Caloosahatchee Estuary averaged approximately 1,150 cfs over the past week with 690 cfs (60%) coming from the lake. Salinity conditions between Val I-75 and Ft. Myers remain good for tape grass. Salinity conditions are in the good range for adult oysters at Shell Point and at Cape Coral.

The District recognizes the USACE’s stated desire to further lower the lake stage as documented in the MFR. Therefore, the SFWMD recommends the USACE follow LORS 2008.