

MEMORANDUM

TO: Jason Engle, Chief, Engineering Division (USACE)
FROM: John Mitnik, Chief District Engineer (SFWMD)
DATE: January 22, 2026
SUBJECT: System Operational Position Statement January 20, 2026 to January 26, 2026

This Position Statement is to provide operational input for the one-week period from January 20, 2026 to January 26, 2026 based on system conditions and data observed during the previous Monday to Sunday 7-day period.

Current climate conditions: District January rainfall to date is much below normal (29% normal). The rainfall forecast (issued January 7) calls for below normal rainfall for the coming 7-day period and uncertain the following week.

Climate and weather forecasts: The most recent CPC precipitation outlook for Jan 2026 is increased chances (40-50%) of below normal rainfall for areas north of the EAA, and slightly increased chances (30-40%) of below normal for the respective remainder areas of the District. There is a 75% chance of a transition to ENSO-neutral during January-March 2026 and likely through late spring 2026. The 3-month window Feb 2026 – Apr 2026 shows increased chances (40-50%) of below Normal rainfall for the Kissimmee River and north, and slightly increased chances (33-40%) of below Normal rainfall for the remainder of the District. The 3-month window Mar 2026 – May 2026 indicates equal chances of below, normal and above normal rainfall (EC) for the entire District. The 3-month windows from Apr 2026 – Jun 2026 to Jun 2026 – Aug 2026 indicate slightly increased chances (30-40%) of above Normal rainfall for the state of Florida. The outlooks for the 3-month windows from Jul 2026 – Sep 2026 to Feb 2027 – Apr 2027 signal equal chances of below, normal and above normal rainfall (EC) for south Florida.

Hydrologic and tropical outlooks: Current climatological conditions are Normal. Current hydrological conditions are Normal. The lake stage is projected to remain in Zone D3 for the next 2 months.

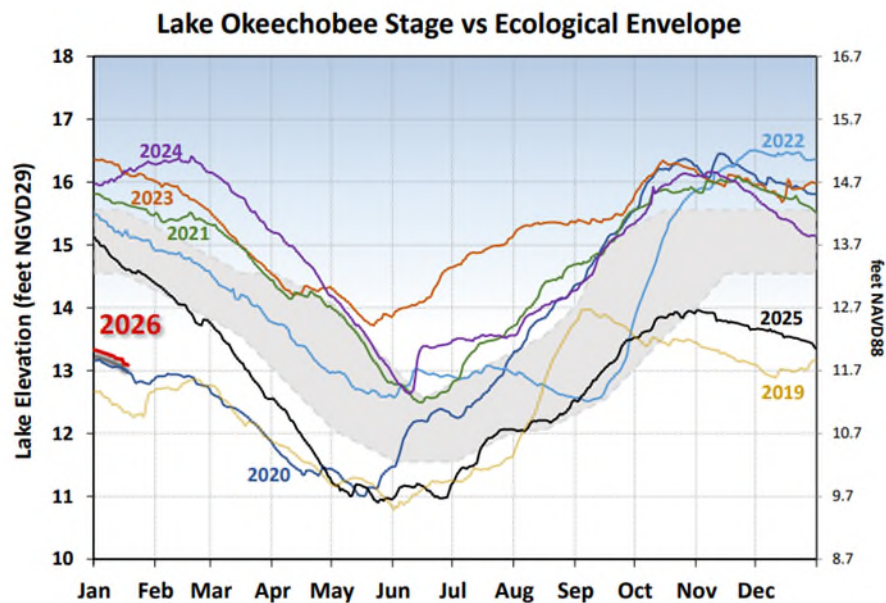
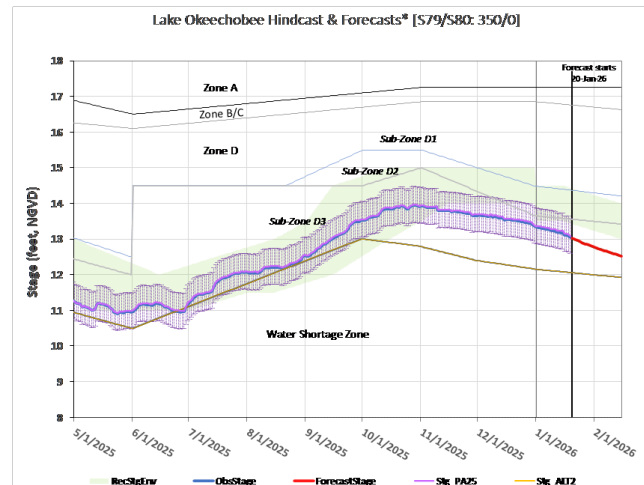
Water-supply conditions: The Lake Okeechobee seasonal net inflow outlook is Dry and at Moderate risk for water supply. The multi-seasonal net inflow outlook is Normal and at Moderate risk for water supply.

Estuary conditions: For the past 7-day periods, January 12 to January 18, 2026, total inflow to the Caloosahatchee River Estuary averaged approximately 200 cfs with about 50 cfs coming from Lake Okeechobee through S-77. Salinities in the upper estuary were within the optimal range (0-10) for tape grass at S-79 and Val I-75 and in damaging range (>15) at Ft. Myers. Salinities were in the optimal range (10-25) for adult eastern oysters at Cape Coral, and in the upper stressed range (>25) at Shell Point and Sanibel. Total inflow to the St. Lucie Estuary was about 250 cfs with no flow coming from Lake Okeechobee, C-44 Basin, C-23 Basin, or the C-24 Basin, about 50 cfs coming from the Ten Mile Creek Basin, and about 200 cfs coming from Tidal Basin. The average salinity in the middle estuary was within the upper range (>25) for adult eastern oysters.

Lake Okeechobee stage and ecological conditions:

On January 18 the daily average Lake Okeechobee stage was 11.78 feet NAVD88 (13.09 feet NGVD29), which placed it within the lower portion of Zone D (Zone D3 of the PA25 simulation) of the Lake Okeechobee System Operating Manual (LOSOM). Lake stage decreased by 0.14 feet over the preceding 7-day period. There is a 75% chance of a transition to ENSO-neutral during January-March 2026. The District will continue to monitor conditions in the estuaries, as well as the systemwide conditions. With the initiation of the dry season, Normal Lake Operations continue pursuant to the considerations in LOSOM as informed by PA25. It is recommended that flow targets for the Caloosahatchee Estuary should rely on basin flows to ensure the delivery of the Minimum Flow and Level, but use Lake Okeechobee flows from S-77 to ensure S-79 flows remain above a targeted steady release of 350 cfs; flow targets for the St. Lucie Estuary and Lake Worth Lagoon should remain at 0 cfs consistent with Normal Operations within Zone D. The District will continue to monitor salinity conditions in the estuaries and water supply conditions within the Lake Okeechobee Service Area. The USACE typically implements the releases to the estuaries over a 7-day period starting on Saturday and ending on Friday.

Forecast Modeling Based on PA25 Simulation



The current and seven prior years' annual stage hydrographs for Lake Okeechobee in comparison to the ecological envelope (light grey).

Navigation and recreation conditions: Currently, there are no planned deviation or declared water shortage impacting navigation or lockages.

STOF water supply conditions: Current Lake Okeechobee stage is sufficiently high that water supply deliveries to the Seminole Tribe of Florida (STOF) Brighton Reservation, if needed, will not be impacted. When Lake Okeechobee stage recedes below 8.75 feet NAVD88 (10 feet NGVD29) and 6.75 feet NAVD88 (8 feet NGVD29), water supply delivery is not achievable via Pump Station G-207 on the Harney Pond Canal and Pump Station G-208 on the Indian Prairie Canal, respectively, as the respective canals become disconnected from Lake Okeechobee.

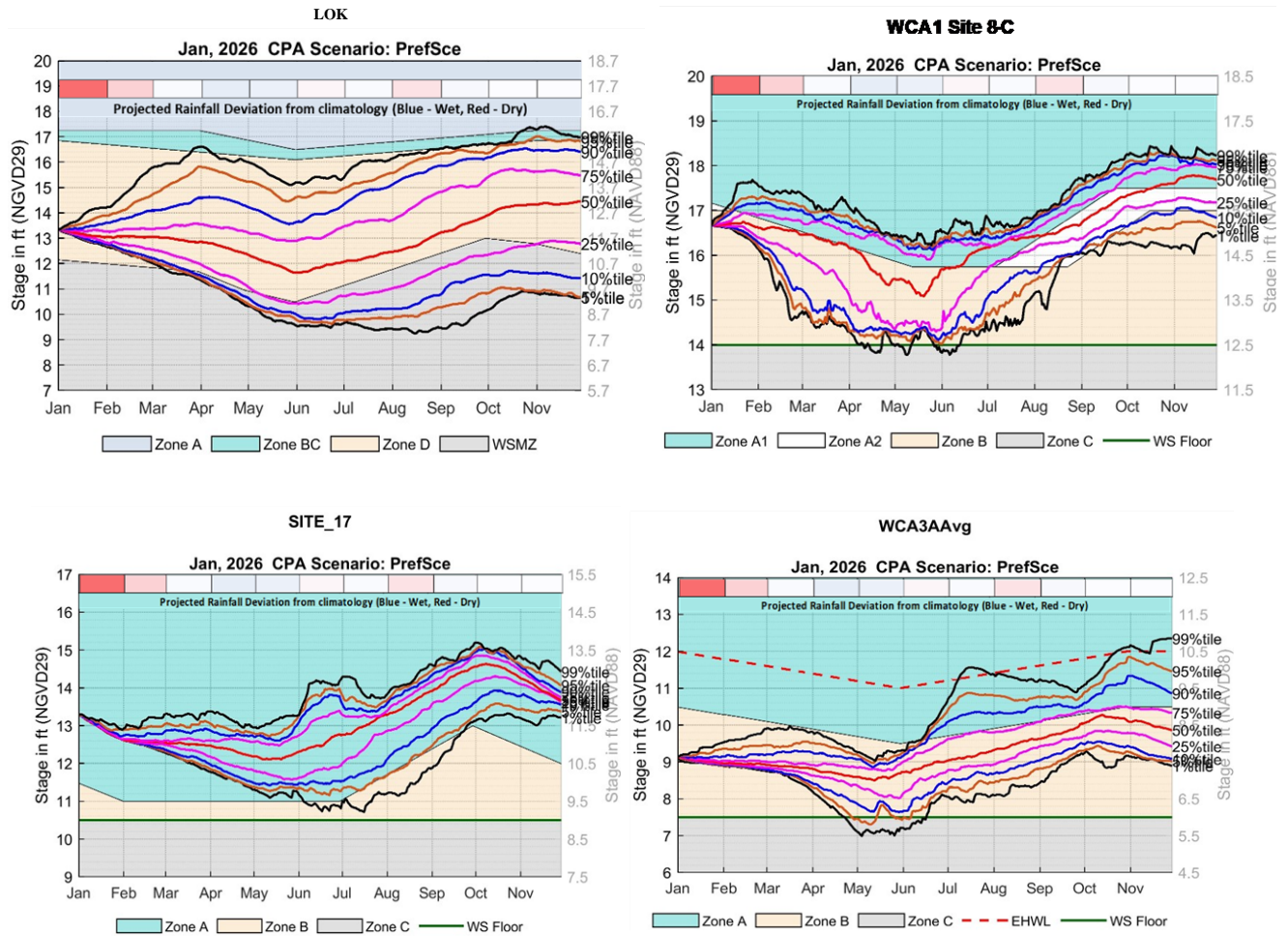
Algal Bloom conditions: The Fish and Wildlife Research Institute reported on January 16, 2026, that *Karenia brevis*, the Florida red tide dinoflagellate, was observed at background concentrations in samples collected from Collier County and background to low concentrations in Monroe County over the past week. On the east coast, red tide was not observed in samples from St. Lucie, Martin, Palm Beach, Broward or Miami-Dade counties. In the most recent non-observed satellite image from January 19, 2026, NOAA's Harmful Algal Bloom Monitoring System suggests moderate cyanobacteria potential along the western nearshore region of the lake.

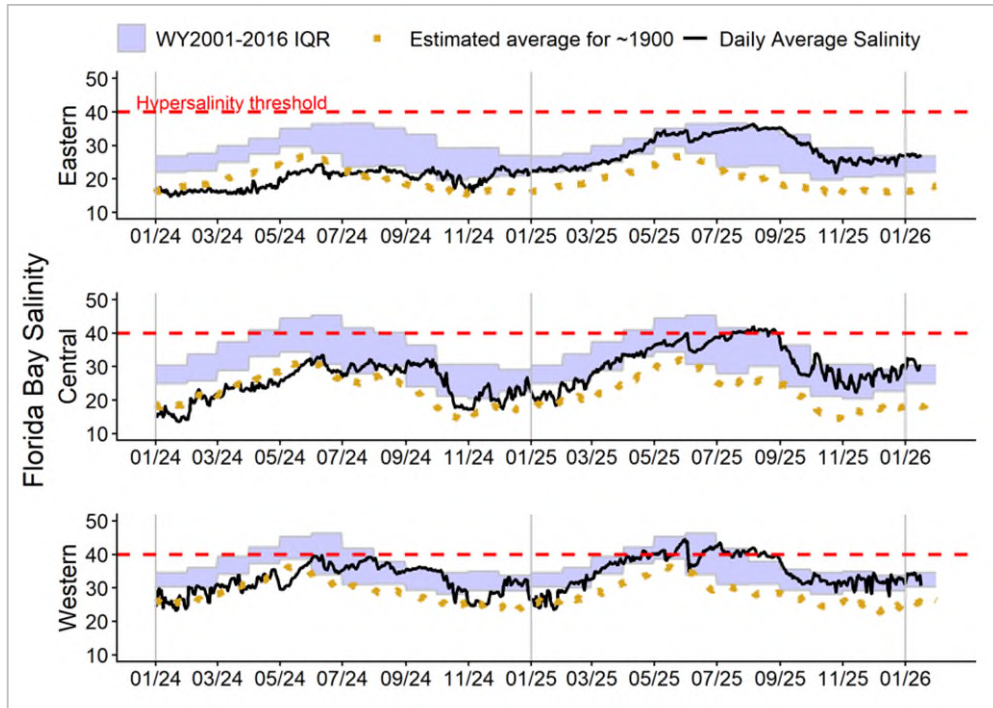
STA conditions: In STA-1E, Central Flow-way is offline for construction activities. An operational restriction is in place in the Western Flow-way for post-construction vegetation grow-in. Online treatment cells are at or slightly above target stage. In STA-1W, Eastern Flow-way is offline for vegetation management activities. Most treatment cells are at target stage. Vegetation in the Western and Eastern Flow-ways is highly stressed. The 365-day PLRs for the Northern and Western Flow-ways are below 1.0 g/m²/year. In STA-2, operational restrictions are in place in Flow-ways 2, 3, and 4 for vegetation management activities. Treatment cells are at target stage or slightly below target stage. The 365-day PLRs for all Flow-ways are below 1.0 g/m²/yr. In STA-3/4, an operational restriction is in place in the Eastern Flow-way for vegetation management activities. Most treatment cells are slightly above target stage. Vegetation in the Central Flow-way is highly stressed. The 365-day PLR for the Eastern, Central, and Western Flow-ways are below 1.0 g/m²/yr. For the current operational period, USACE is not requesting flows south from Lake Okeechobee towards the WCAs. The District will continue to work with the USACE to manage Lake Okeechobee levels in an effort to curtail harmful discharges over this year. To help with this objective the District will move as much water south through the Stormwater Treatment Areas as possible under the current permits as regional conditions allow.

WCA conditions: On January 18 the daily average stage in WCA-1 was at 14.92 feet NAVD88 (16.39 feet NGVD29), in Zone B and 0.44 feet below regulation schedule. The daily average stage in WCA-2A was at 11.50 feet NAVD88 (13.01 feet NGVD29), in Zone A and 1.8 feet above regulation schedule. The daily average stage in WCA-3A was at 7.46 feet NAVD88 (8.98 feet NGVD29), in Zone B and 1.42 feet below regulation schedule. Over the 7-day period, January 12, 2026 to January 18, 2026, no regulatory releases were sent from Lake Okeechobee south to the STAs. No Lake regulatory releases reached the Lake Worth Lagoon through the C-51 canal during this period.

ENP conditions: Releases from WCA-3A to the ENP continue through the S-12D and S333 structures. Hydrologic connectivity within the major sloughs of ENP has been declining with some potential remaining in Shark River and Taylor Sloughs. The SFWDAT model output indicates a slow recession in WCA-1, drying down to near soil surface in the north. The southern half of WCA-2A remains very deep for this time of year. WCA-2B is increasing in depth more so as increased pumping into this region from WCA-2A for water storage has begun. Drier than normal conditions expand across Northern WCA-3A. Depths are decreasing in WCA-3A and -3B and remain very low for this time of year with potential impacts to system-wide ecology. Stages continued to decrease in Taylor Slough over the past week and are now below the recent average. Salinity increased on average in Florida Bay compared to last week and is above the estimated historical average (circa 1900) and at the WY2001-2016 Interquartile Range (IQR) 75th percentile in the eastern and central regions, and has dropped to near the 25th percentile in the western region. The Tamiami Trail Flow Formula (TTFF) recommends 560 cfs of daily target releases from WCA-3A to ENP. The District recommends continuing with the current operations for the releases from WCA-3A in accordance with the Combined Operating Plan.

January 2026 Conditional Position Analysis (CPA) results for Lake Okeechobee, WCA-1, WCA-2A and WCA-3A under LOSOM Recovery Operations.





Eastern (top panel), Central (middle panel) and Western (bottom panel) Florida Bay daily average salinities with WY2001-2016 interquartile (25-75 percentile) ranges (IQR) and estimated historical daily average salinities. The hyper salinity threshold indicates the level at which salinities start to become harmful to seagrass.