MEMORANDUM

TO: John Mitnik, Assistant Executive Director

THROUGH: Peter Kwiatkowski, Section Administrator, Resource Evaluation

FROM: SFWMD Staff Water Supply Advisory Team

DATE: February 1, 2022

SUBJECT: Water Supply Report

District-wide Conditions

Surface and groundwater levels showed mixed trends throughout the District over the last week. 95% of the United States Geological Survey (USGS) real-time wells in the Kissimmee Basin (KB) within the District boundaries are at median levels or higher for this time of year. The wells in the northern portion of the KB are mostly completed in the Floridan aquifer and the wells in southern KB in the surficial aquifer system. About 85% of the Kissimmee Basin surficial water stations and 75% of the Kissimmee Basin Floridan stations decreased since last week.

Stages in the Upper East Coast (UEC) canals C-23, C-24, and C-25 are 21.33, 19.91, and 21.33 feet, all above the fourteen feet agricultural cut-off. About 85% of UEC surficial aquifer stations are at median or higher levels, with the remainder in the lower percentile ranges for this time of year. About 85% of the Lower East Coast stations recorded decreasing water levels over the last seven days. All but three of the Biscayne aquifer wells are at median levels and higher for this time of year. Groundwater levels are on the low side in the C-111 Basin.

Groundwater levels decreased in about 85% of the Lower West Coast (LWC) stations since last week. About 75% of the surficial aquifer and Lower Tamiami wells are at median levels and higher for this time of year. About 80% of the Sandstone aquifer wells are in the median and higher ranges. All the Mid Hawthorn aquifer wells decreased over the last week; however, about 60% of these wells are in the lower percentile ranges, with the remainder recording median to upper percentile range water levels for this time of year. Figure 1 summarizes current conditions.
Figure 1. Real-Time Groundwater Level Map
The Palmer Index for Lake Okeechobee (LOK) Tributary Conditions was -1.94 on January 31, 2022 and is classified as “dry,” and is in the “moderate” risk category for water supply. The LOK stage for the next two months is projected to be in the Low Sub-band, and the risk to water supply is categorized as “moderate.” The Climate Prediction Center’s (CPC) Precipitation Outlook is projected as “below normal” for one month and “below normal” for three months, leaving the one-month outlook in the “moderate” risk category and three-month outlook in the “high” risk category. The LOK Seasonal Net Inflow Forecast is in the “normal” category and is in the “high” risk category. The LOK Multi-Seasonal Net Inflow Forecast is in the “normal” range with “moderate” risk to water supply. The stages in WCA 1, WCA 2A and WCA 3A are above line 1 and are in the “low” risk category. Year-Round Irrigation Rule is in effect for the LEC Service Areas. All Service Areas are in the “low” risk category for water supply. Figure 2 summarizes the water supply risk indicators.

![Figure 2. Water Supply Risk Indicators](image-url)