

MEMORANDUM

TO: John Mitnik, Assistant Executive Director

THROUGH: Peter Kwiatkowski, Section Administrator, Resource Evaluation

FROM: SFWMD Staff Water Supply Advisory Team

DATE: December 28, 2022

SUBJECT: Water Supply Report

District-wide Conditions

All the United States Geological Survey (USGS) real-time wells in the Kissimmee Basin (KB) are in the median and upper percentile ranges for this time of year. The wells in the Upper KB are mostly completed in the Floridan aquifer and the wells in the Lower KB are surficial aquifer system wells. Surface and groundwater levels decreased in about 80 percent of the KB stations over the last week.

Upper East Coast (UEC) surface water levels showed mixed trends and groundwater stations decreased during the last week. Stages in UEC canals C-23, C-24, and C-25 are 22.64, 20.89, and 22.47 feet, all above the fourteen feet agricultural cut-off. All the UEC wells are at median and higher levels for this time of year.

In the Lower East Coast, about 85 percent of the surface and groundwater stations recorded decreasing trends over the past seven days. Surface water levels are on the low side in the C-111 basin (S-176 and S-177). 95 percent of the LEC surficial aquifer system stations are in the median and upper percentile ranges for this time of year.

Groundwater levels decreased in about half of the Lower West Coast (LWC) stations over the last week. All the monitored wells in the Surficial aquifer system, the Lower Tamiami aquifer, and the Sandstone aquifer are in the median and upper percentile ranges for this time of year. About 40 percent of the Mid-Hawthorn aquifer wells are in the lower percentile ranges.

Figure 1 shows a statistical comparison between current groundwater levels and long-term historical monthly average groundwater levels at representative wells throughout the District.

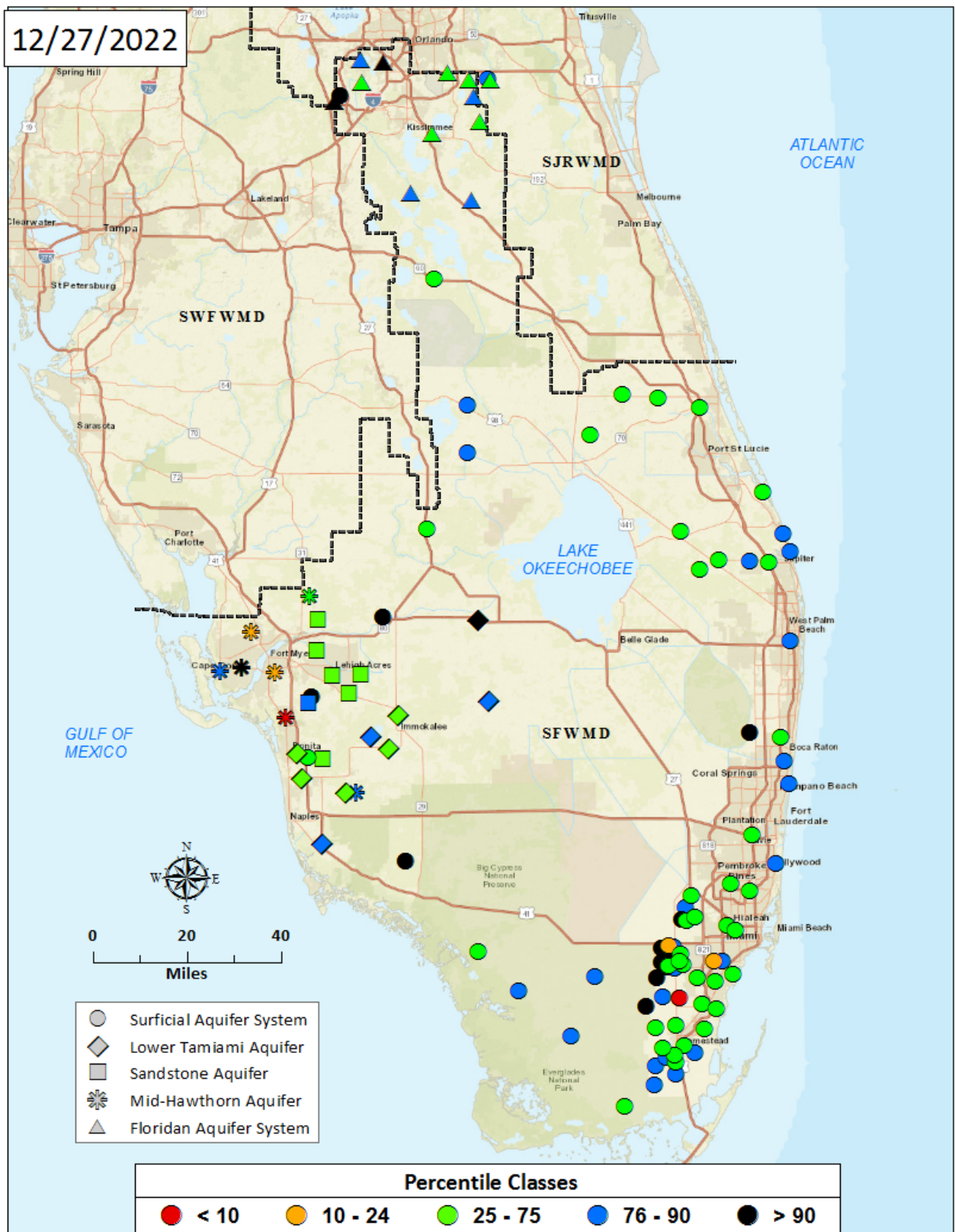


Figure 1. Current Groundwater Level Conditions

Water Supply Technical Input to LORS2008

No LORS summary table was generated this week due to the holidays and because no weekly conditions meeting was held this week.