

## MEMORANDUM

**TO:** John Mitnik, Assistant Executive Director

**THROUGH:** Peter Kwiatkowski, Section Administrator, Resource Evaluation

**FROM:** SFWMD Staff Water Supply Advisory Team

**DATE:** December 27, 2023

**SUBJECT:** Water Supply Report

### **District-wide Conditions**

Approximately 95 percent of 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 water levels decreased, or stayed the same, in about 75 percent the KB stations over the last seven days.

Upper East Coast (UEC) surface water levels increased, and groundwater levels showed mixed trends during the last week. Stages in UEC canals C-23, C-24, and C-25 are 21.57, 20.37, and 21.07 feet, all above the fourteen feet agricultural cut-off. About 85 percent of the UEC wells are in the median and upper percentile ranges for this time of year.

Approximately 80 percent of the surface and groundwater stations in the Lower East Coast recorded decreases, or stayed the same, over the past seven days. All of the LEC surficial aquifer system stations are in the median and upper percentile ranges for this time of year.

Groundwater levels decreased, or stayed the same, in all the Lower West Coast (LWC) stations over the last week. All of the surficial aquifer system wells and almost 90 percent of the Lower Tamiami aquifer wells are in the median and upper percentile ranges for this time of year. About 70 percent of the Sandstone aquifer wells are in the median and upper percentile ranges. Approximately 70 percent of the Mid-Hawthorn aquifer wells are in the lower percentile ranges for this time of year.

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

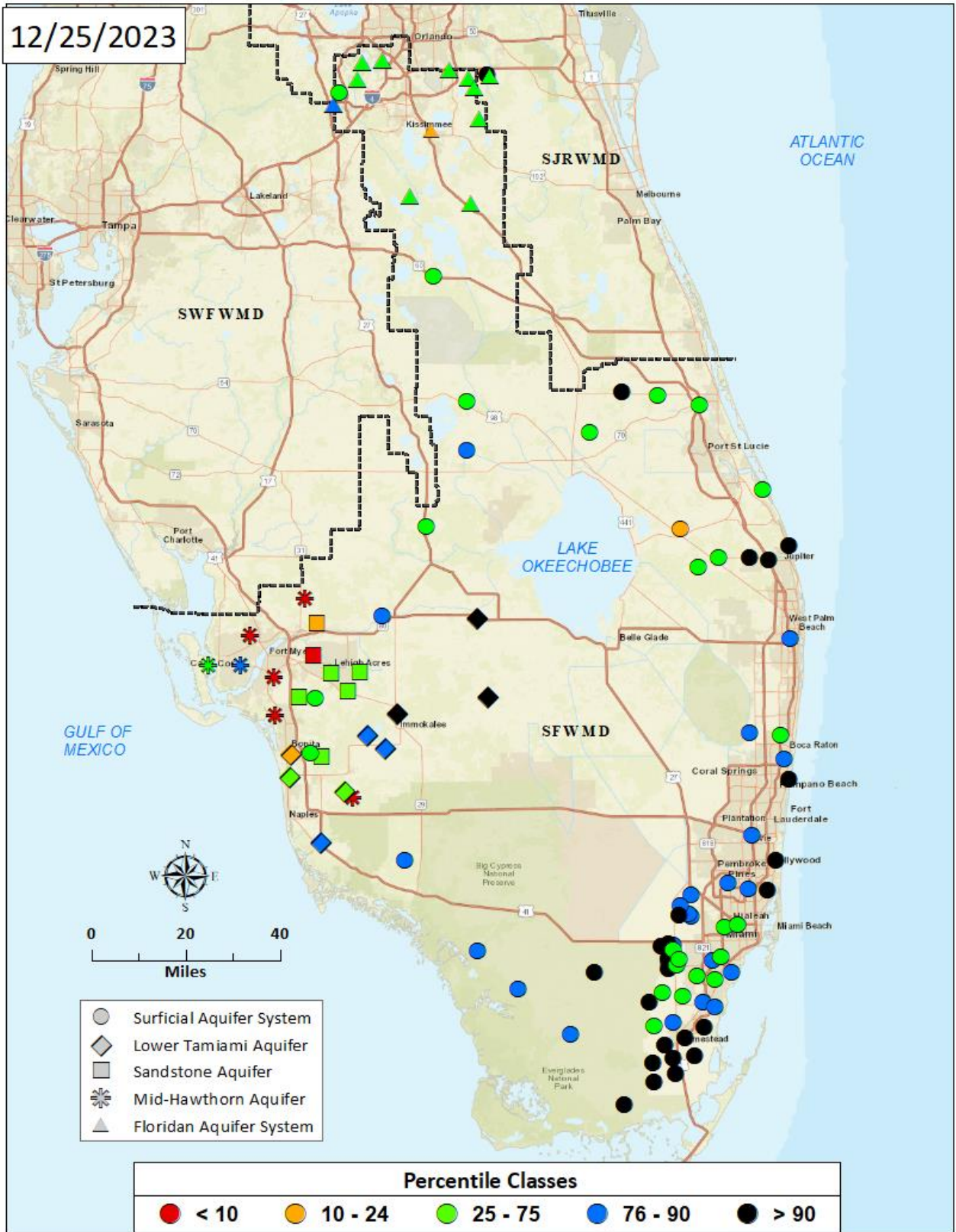


Figure 1. Current Groundwater Level Conditions

### **Water Supply Technical Input to LORS2008**

The Water Supply Risk Indicator section has been omitted from this week's Water Supply Report as the LORS presentation was not prepared because the Environmental Conditions meetings have been postponed until after the holidays.