

MEMORANDUM

TO: John Mitnik, Assistant Executive Director

THROUGH: Peter Kwiatkowski, Section Administrator, Resource Evaluation

FROM: SFWMD Staff Water Supply Advisory Team

DATE: September 27, 2022

SUBJECT: Water Supply Report

District-wide Conditions

Figure 1 shows a statistical comparison between current groundwater levels and groundwater levels for this time last year at representative wells throughout the District that collect real-time groundwater levels.

All but one 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 (Figure 1). 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 90 percent the Kissimmee Basin stations over the last seven days.

Upper East Coast (UEC) surface water levels decreased, and groundwater levels increased in the Upper East Coast since last week. Stages in the UEC canals C-23, C-24, and C-25 are 20.01, 17.91, and 17.54 feet, all above the fourteen feet agricultural cut-off. Ten percent of the UEC surficial aquifer stations are in the lower percentile ranges for this time of year (Figure 1).

About 70 percent of the surface and groundwater stations in the Lower East Coast (LEC) recorded decreasing trends over the past seven days. S-176 (C-111 basin) is in the “red” caution zone, and S-177 (C-111 basin) is in the “yellow” caution zone. About 5 percent of the LEC surficial aquifer system stations are in the lower percentile ranges for this time of year (Figure 1).

In the Lower West Coast (LWC), about 60 percent of the groundwater stations decreased over the last week. All the surficial aquifer system wells are at median or higher percentile ranges for this time of year. All the Lower Tamiami aquifer wells are in the median and upper percentile ranges for this time of year (Figure 1). All the Sandstone aquifer wells are in the median and upper percentile ranges and about 60 percent of the Mid-Hawthorn aquifer wells are in the lower percentile ranges (Figure 1). Mid-Hawthorn aquifer L-4820 in North Cape Coral is in the “red” caution zone.

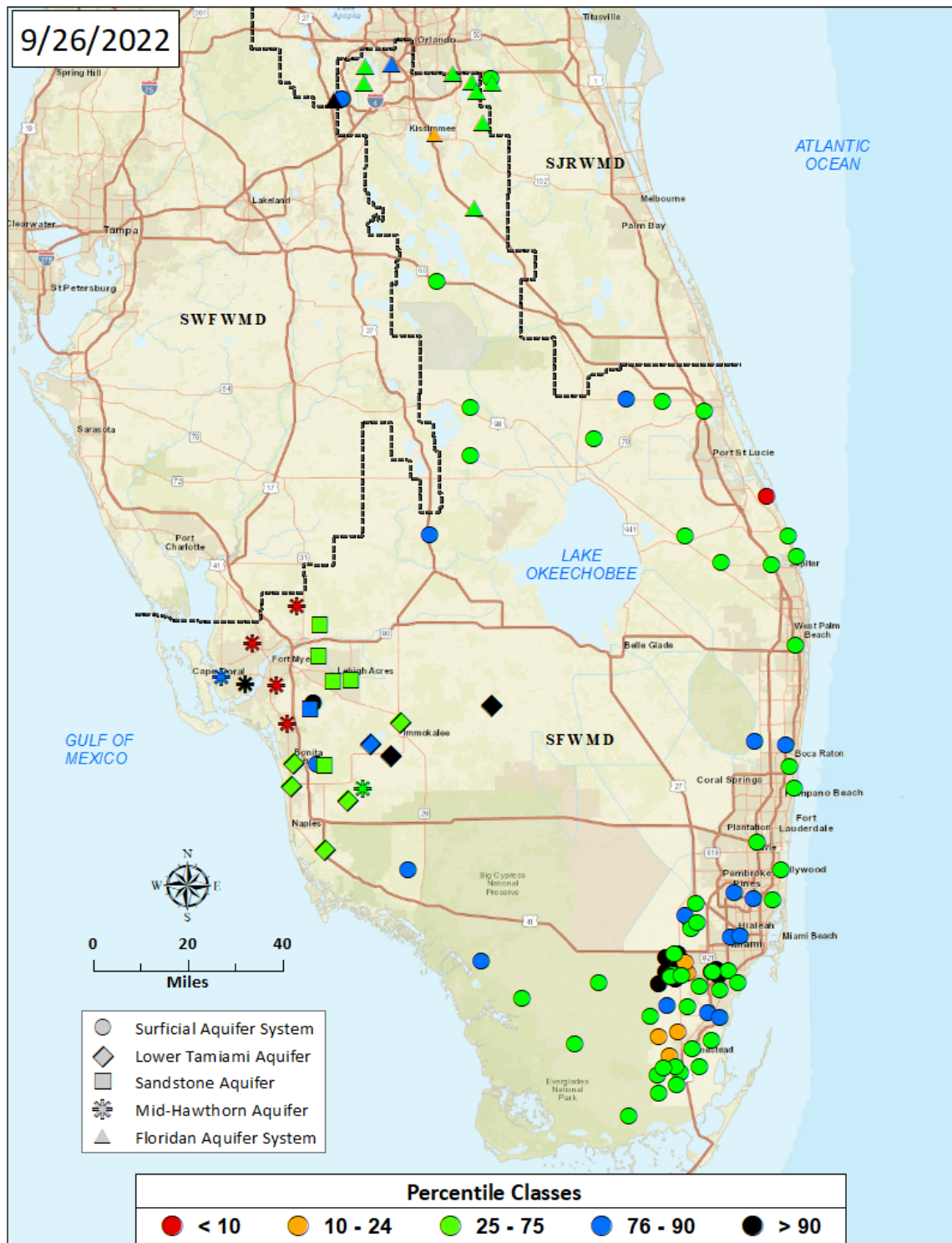


Figure 1. Map showing a statistical comparison between current groundwater levels and groundwater levels for this time last year

Water Supply Technical Input to LORS2008

No LORS2008 update this week due to the hurricane and cancellation of the weekly operations meeting.