

SUWANNEE RIVER WATER MANAGEMENT DISTRICT

MEMORANDUM

TO: Governing Board

FROM: Alejandro Arteaga Garcia, Senior Data Analyst, Hydrologic Data Services Office

THRU: Katelyn Potter, Director, Outreach and Operations

DATE: August 11, 2023

RE: Agricultural Water Use Monitoring Report

BACKGROUND

In September 2012, the District began a program of water use monitoring for agricultural water use reporting on wells 8 inches in diameter or greater.

As of August 11, 2023, the District is monitoring 1,579 (235.0 MGD) of a total of 1,700 active permitted wells (248.5 MGD). The remaining 121 active wells not yet monitored are scheduled for site visits to determine the type of monitoring that will be implemented. An additional 256 proposed wells have yet to be drilled.

The District offers three options for monitoring ground and surface water withdrawals: electrical usage provided by the power company, telemetry on diesel systems, and self-reporting. To date, farmer electric agreements from cooperatives are in effect on 830 (150.76 MGD) monitoring points. The District currently employs telemetry on 308 (51.2 MGD) diesel-powered systems. There are currently 20 (1.4 MGD) self-monitored points.

Additionally, there are currently 421 (31.7 MGD) sites for which monitoring is currently not feasible. Staff visit these sites each year to reevaluate the feasibility of monitoring.

The attached figures show the current well status and monitoring type for all wells with water use monitoring permit conditions (Figure 1), and the status of flow data collection by source within the Districts' agricultural monitoring network (Figure 2).