

Central Florida Water Initiative



Groundwater Availability Team

The Central Florida Water Initiative's (CFWI) Groundwater Availability Team is comprised of select members of the Hydrologic Analysis, Environmental Measures and Minimum Flows and Levels (MFL) teams.

Team Goal

The team's purpose is to develop planning level estimates of groundwater availability.

Guiding Principle

To identify the sustainable quantities of traditional groundwater sources available for water supply that can be used without causing unacceptable harm to the water resources and associated natural systems.

Team Approach

The Groundwater Availability Team will work in a collaborative environment with the Hydrologic Analysis, Environmental Measures, MFLs, and Regional Water Supply Plan (RWSP) teams and under the overall direction of the CFWI Steering Committee.

Team Objectives

- Develop flowcharts describing the process to achieve the Team Goal
- Review and understand the products and deliverables from the Hydrologic Analysis, Environmental Measures, and MFLs teams
- Review and understand the water resource conditions within the CFWI area
- Provide the Steering Committee with planning level estimates of groundwater availability within the CFWI area under current and future conditions

Team Scope of Work

Identify Evaluation Methodologies

Collaboratively work with the Hydrologic Analysis, Environmental Measures, MFLs, and RWSP teams to review, understand, and identify the evaluation methodologies used to develop planning level estimates of groundwater availability. This includes the "measuring sticks" from the EMT and MFL teams and the model output and analysis from the HAT.

Groundwater Withdrawal Impacts

Collaboratively work with the Hydrologic Analysis, Environmental Measures, MFLs and RWSP teams and use the identified evaluation methodologies to determine:

- Locations where current/permitted/planned withdrawals and water management activities are less than groundwater availability under current conditions
- Locations where current/permitted/planned withdrawals and water management activities are in approximate balance with groundwater availability under current conditions

- Locations where current/permitted/planned withdrawals appear to exceed groundwater availability under current conditions. For this case, current or permitted withdrawal reductions and other water management activities will be evaluated for reducing, eliminating or managing areas of impact.

Develop Planning Level Estimates of Groundwater Availability

Maps of predicted hydrologic changes, statistical results, wetland assessment data, land use changes from historical times to present and other information will be used to identify the locations where additional groundwater supplies may be accommodated and planning level estimates of the availability.