

**Central Florida Water Initiative 2020**  
**Groundwater Availability Team (GAT) Scope of Work**

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**Team Leader/Member:**

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**Other Members:**

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**Alternates:**

Tammy Bader, SJRWMD, RWSP Lead

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**Background and Goal:**

The GAT is one of five technical sub teams operating under the direction of the Water Resources Assessment Team (WRAT). The GAT previously existed to support development of the 2015 CFWI RWSP and was subsequently disbanded. The GAT is being formed again to support 2020 CFWI Guiding Principle No. 1 which states:

*Review and update the 2015 CFWI RWSP as well as the sustainable quantities of traditional groundwater sources available in the CFWI area that can be used without causing unacceptable harm to the water resources and associated natural systems.*

## **Team Approach:**

The GAT will work as a sub team to the WRAT and in conjunction with the other WRAT sub teams and the Regional Water Supply Plan (RWSP) team to meet the expectations of 2020 CFWI Guiding Principle No. 1. The GAT will work under the guidance of the WRAT, the Management Oversight Committee and the Steering Committee

## **Team Objectives and Scope of Work:**

- 1. Review MFLRT, EMT and HAT work products and identify if development of additional information or additional analyses is necessary for determination of groundwater availability.**
  - a. Review the MFLRT characterization of the recent status of water bodies in the CFWI Planning Area and in the ECCTX model domain to recommend which water bodies are appropriate for use by the GAT to determine groundwater availability.
  - b. Review the EMT assessment of the hydrologic condition of wetlands and lakes to characterize the current status of surface water resources. Review the EMT estimate of acreage of currently stressed wetlands.
- 2. Identify water resource impact assessment criteria to be used for developing planning-level estimates of groundwater availability.**
  - a. Identify whether the GAT will use one or more types of water resource impact assessment criteria (e.g., constraint and consideration). The GAT will use and identify a prioritization or ranking scheme if more than one type of criterion is identified.
  - b. Identify MFL water bodies within the CFWI Planning Area that will be used to consider environmental impacts and assign these water bodies to an appropriate impact assessment type.
  - c. Identify MFL water bodies outside the CFWI Planning Area and MFL-associated regulatory criteria that will be used to consider environmental impacts (e.g., SWUCA recovery strategy target wells), and assign these water bodies to an appropriate impact assessment type.
  - d. Identify non-MFL lakes, wetlands and springs that will be used to consider environmental impacts and assign these water bodies to an appropriate impact assessment type.
  - e. Identify wellfields and/or other regions of the CFWI Planning Area that will be used to consider the evaluation of saltwater intrusion and upconing and assign these water regions to an appropriate impact assessment type.
- 3. Identify performance measures to be used to determine the acceptable magnitude of hydrologic change predicted by the ECCTX groundwater model.**
- 4. Identify ECCTX modeling scenarios required for assessment of groundwater availability.**

Review results of the 2014 Reference Condition, 2030 and 2040 model scenarios and determine if additional scenarios are required, considering the RWSP schedule.
- 5. Identify planning-level groundwater availability in the CFWI Planning Area.**
  - a. Review results of ECCTX groundwater model scenarios on identified water resource impact assessment criteria and performance measures.
  - b. Determine appropriate form of expression for the planning-level groundwater availability.

- 6. Summarize planning-level groundwater availability for the 2020 CFWI RWSP.**  
Coordinate with the WRAT, RWSP and others, as necessary, to summarize the GAT's methods and results.
- 7. Participate in technical methods workshop and/or other public workshops, as necessary.**
- 8. Present methods, results and planning-level groundwater availability estimate information to the WRAT, Management Oversight Committee and the Steering Committee, as necessary.**
- 9. As needed, the GAT will prepare necessary work products for the appendices to document work performed.**

**Team Schedule:**

<b>Task</b>	<b>Start Date</b>	<b>Stop Date</b>
1. Review MFL&RT and EMT Work Products.	<b>11/1/18</b>	<b>2/1/19</b>
2. Identify Water Resource Constraints and/or Considerations to be Used to Evaluate Environmental Impacts to Develop Planning Level Estimates of Groundwater Availability.	<b>11/1/18</b>	<b>2/1/19</b>
3. Identify Performance Measures to be Used to Determine the Acceptable Magnitude of Hydrologic Change Predicted by the ECFTX Groundwater Model.	<b>11/1/18</b>	<b>2/1/19</b>
4. Identify any additional ECFTX modeling scenarios required for assessment of groundwater availability.	<b>1/1/19</b>	<b>2/1/19</b>
5. Using Results of the ECFTX Groundwater Models Scenarios, Identified Performance Measures and Identified Constraints and Considerations, Evaluate Groundwater Availability	<b>2/1/19</b>	<b>4/30/19</b>
6. Summarize Groundwater Availability for the 2020 CFWI RWSP	<b>1/1/19</b>	<b>5/30/19 (First Draft) through 11/30/2020 (Final Draft to Governing Boards)</b>
7. Participate in Technical Methods Workshop and/or Public Workshops, as Necessary.	<b>2/1/19</b>	<b>4/30/2020</b>
8. Present to the WRAT, Management Oversight Committee, Steering Committee, and Governing Board Meetings, as Necessary.	<b>12/1/18</b>	<b>11/30/2020</b>