

Hydrologic Analysis Team

*Steering Committee Meeting
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Update

- ECFT Model
- ECFSS Model
- Influence Coefficients
- ECFT Model Documentation (Task A5)
- Next Steps for the HAT

East Central Florida Transient (ECFT) Model

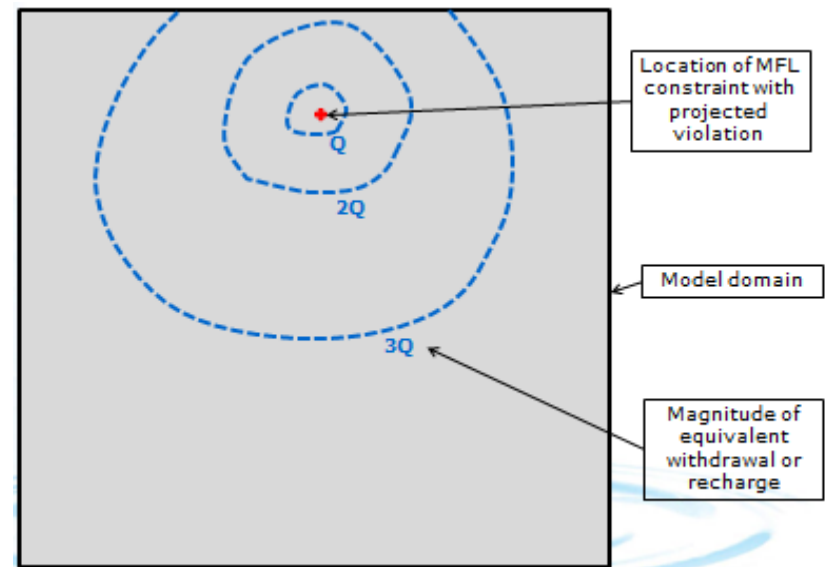
- Update of Reference Condition and 2015 Scenarios with improved water demand information
 - Domestic Self Supply (DSS)
 - Agricultural
 - Rapid Infiltration Basin (RIB) flows
 - Reclaimed water irrigation of groves
 - Landscape/Recreation/Aesthetics (LRA)
- Purpose – Achieve better match of water demands (RWSP vs. ECFT)

East Central Florida Steady-State (ECFSS) Model

- Developed by SJRWMD with input from HAT
 - Reduced run times
- Approximately reproduces ECFT average responses
 - Floridan aquifer – good
 - Surficial aquifer -- fair
- Approach
 - Conduct SPT simulations with ECFT Model
 - more confidence in effects on non-MFL water bodies (e.g., wetlands)
 - Use ECFSS for further screening-level evaluations (as necessary)

Influence Coefficients

- Purpose -- Identify influence of withdrawals from one location on one or more water bodies
- Approach – Multiple runs of ECFSS model to calculate influence coefficients
- Status – Preliminary versions (MFL water bodies only) shared with Groundwater Subteam



ECFT Model Documentation (Task A5)

- Related to groundwater availability assessment in RWSP
 - Priority subordinated to ECFT updates and support of SPT
 - Document submitted to TOC on 6/23
 - TOC discussion and review comments on 6/30
 - Not critical path – no impact on overall schedule

Next Steps for the HAT

- Complete Updates to Reference Condition and 2015 Scenarios
- Refine Simulation Requests with SPT (Groundwater Subteam) and Conduct Simulations
- Refine influence coefficient analysis
- Finalize ECFT Model Documentation regarding groundwater availability per RWSP (Task A5)

Questions?



List of Acronyms

| Acronym | Meaning |
|---------|---|
| ECFSS | East Central Florida Steady State |
| ECFT | East Central Florida Transient |
| HAT | Hydrologic Analysis Team |
| MFL | Minimum Flow & Level |
| RWSP | Regional Water Supply Plan |
| RIB | Rapid Infiltration Basin |
| SJRWMD | St. Johns River Water Management District |
| SPT | Solutions Planning Team |
| TOC | Technical Oversight Committee |