

CFWI Hydrologic Analysis Team Status

February 1, 2013

*Presented by
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Status of CFWI Modeling

HAT has taken over the lead of the CFWI Groundwater Modeling and has completed the following scheduled activities

- ✓ Revision and update the model to incorporate enhancements recommended by HAT and IFAS reviews
- ✓ Application of the model to the initial set of scenarios (1995, 2006 and Reference Condition)

Additional activities underway include

- Application of the model to the future condition scenarios (EOP and 2035)
- Document the updates
- Assessment of model performance over study domain







Status of CFWI Modeling contd.

Outstanding Activities from November SC Meeting:


1. Model development and implementation
 - Modified model boundary and other inputs to address limitations identified through HAT review of USGS deliverable
 - Recalibrated ECFT Model
 - Re-run initial scenarios
2. Model water budget
 - Completed initial assessment of the water budget
3. Future condition simulations
 - Developed approach for 2035 Water Use application in model

CFWI Modeling Schedule

Model Development: (Aug/2012 – Dec/2012)







- Datum correction USGS ECFT Groundwater Model 
- Data revisions 
- Agricultural use estimate revision 
- General head boundary revision 
- Miscellaneous improvement 
- Recalibration (Nov 1 – Dec 31)  (Jan 8)

Model Application: (Dec/2012 – Feb/2013)


- Initial Model Runs 4 Scenarios (Jan/2013)  (Jan 31)
- Future Scenarios – EOP & 2035 (Feb/2013)

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HAT Ongoing / Upcoming Activities

- a. Complete the water budget assessment for new model
- b. Complete assessment of model performance over the CFWI region
- c. Finalize 2035 Water Use projections for model input in collaboration with the RWSP and FDACS
- d. Run future condition scenarios (EOP & 2035)
- e. Interpret model results with other technical teams
- f. Documentation of model recalibration and application
- g. Configuration management and version control strategy

CFWI Modeling Schedule

Model Application: (Jan 13 – Feb 13)

- Future Scenarios – EOP & 2035 (Feb 13)

CFWI Modeling Schedule

Model performance Assessment:(Feb 13–Apr13)

- Assess local regional and domain-wide performance of the model for WSP development
- Document caveats and limitations to model use
- Re-run of any scenarios or sensitivity run if necessitated by assessment outcome

CFWI Modeling Schedule contd.

Model Documentation: (Feb 13 – Aug 13)

- Multiple technical memoranda and report sections
- Model user guide
- Formal report from IFAS on review of agricultural water use in calibration model
- Configuration management and version control for model and data (post application)

CFWI Modeling Schedule contd.

GAT & Plan Dev Support: (Feb 13 – Sep 13)

- Multiple activities as requested by GAT or RWSP Team

Questions?

