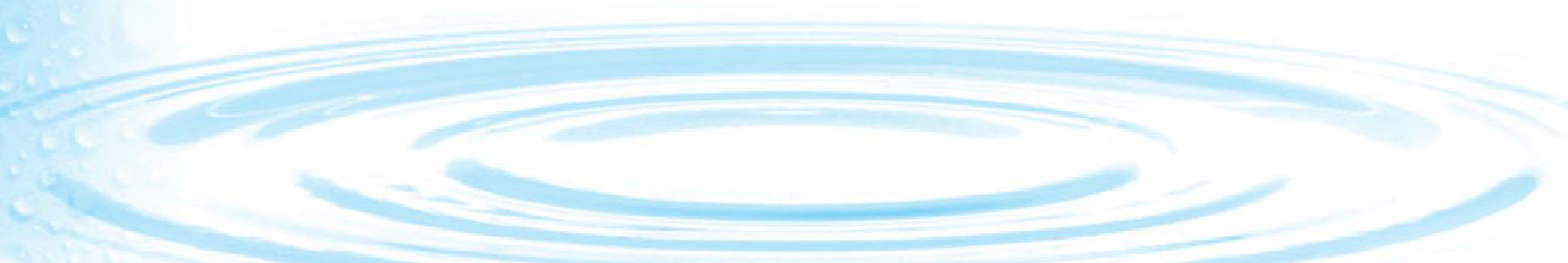


# CFWI Hydrologic Analysis Team Status

January 27, 2012

*Presented by Akintunde Owosina*



# Status of Technology Protocol Task

- USGS model Technology Transfer Protocol in place. A draft was completed and distributed for review on Dec 23, 2011 and finalized in January 2012.
- Key elements
  - Two two-day workshops during which model can be viewed
    1. USGS Groundwater model (March 22\*, 2012)
    2. USGS ANN Decision support tool (April 18\*, 2012)
    3. Collaborative modeling environment under development
    4. USGS will coordinate with HAT to provide additional workshops after the Technology Transfer to review model simulation results of interest.

# Status of Key Activities

## HAT Schedule Recovery/Revision

- HAT reviewed and modified schedule to reflect the slippage due to delivery of the USGS model and incorporate SC guidance for an updated schedule
- Possible Activities to Recover lost time:
  1. None in the current phase of the work – some options available during Availability Determination
  2. Develop initial scenarios and have the USGS run the model and deliver results simultaneously with the release of the model at the end of April
  3. Use the opportunity of the technology transfer to test likely sensitivity runs and possible model scenarios that will be used in availability determination?

# HAT Schedule Update

- Scenario 1: Model delivered on time and requires no modifications for use. Set-up time of two weeks after delivery by USGS.
- Scenario 2: Model delivered on time but requires minor revisions. Those revisions will be implemented by the HAT and will result in a two to three-month set-up after delivery by USGS
- We will be able to determine what path we are on by mid-May

# USGS Model Delivery Schedule

Calendar Years	2011					2012							
Fiscal Years	2011					2012							
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>ECFT Model:</b>													
Calibration completed													
Draft report preparation for review													
Technology Transfer			◆										
Report review & approval													
Final Report preparation & distribution													
<b>Data Mining:</b>													
Water Use data compilation													
Water Use data preparation													
ANNs/DSS development & completion				◆									
ANN/MODFLOW comparison													
Draft report preparation for review													
Technology transfer													
Report review & approval													
Final Report preparation & distribution													



ANN: Artificial Neural Network  
 DSS: Decision Support System

# HAT Schedule Revision

Technical Collaborative Team	Key Components	Start	Schedule End Date	Option 1 End Date	Option 2 End Date
<b>Hydrologic Analysis Team</b> ----- Modeling and Tools Support (A)	Key Components Model Calibration (A1)		11/23/11	11/23/11	11/23/11
	- Technology Transfer Protocol (A1B)	11/10/11	12/30/11	01/30/12	01/30/12
	Statistical Trends in Hydrologic Data (A2)		2/28/12	2/28/12	2/28/12
	USGS Project to Quantify Factors Affecting Groundwater and Lake Levels in the Central Florida Area (A3)		6/30/12	6/30/12	6/30/12
	Initial Model Scenarios (A4)*		5/15/12	7/15/12	2/15/13
	Documentation (A5)		6/30/12	8/30/12	3/30/13

\* We will be able to tell what path we are on by the end of April.