

# Model Work Products and Access

Central Florida Coordination Area  
Tools Development Team Workshop  
July 29, 2010

*Presented by: Jeff Giddings, Section Lead, SFWMD*

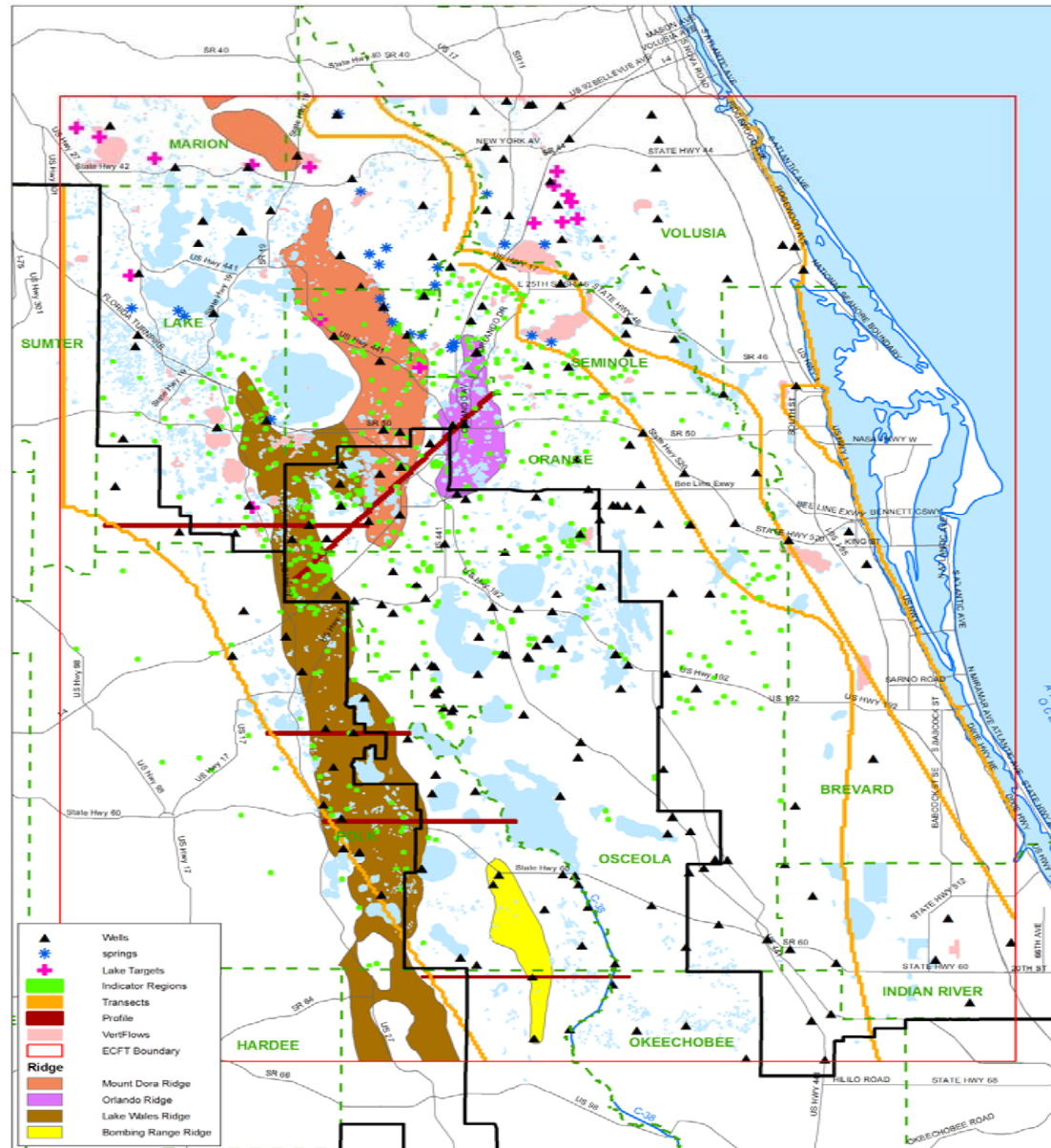
## East Central Florida Transient Model

- Output from individual ECFT model runs directed to performance measure viewer “aka” PM Viewer
  - PM Viewer is web based viewing tool that allows access to data tables and generated graphic materials
  - Results in the form of stage-hydrographs, summary tables, stage-duration curves, water budget tables and drawdown/heads maps
  - Access to PM Viewer will be provided at a later date.
  - Output does not represent interpretation of results

## **Types of ECFT Production Graphics**

- Approximately 400 wetland locations
  - Daily hydrograph, stage duration curves
- 300+ wells/monitoring stations
  - Daily hydrograph, stage duration curves
  - 16 sub-areas for local water budget comparison
- Minimum of 42 water bodies
  - 26 lakes/ivers – stage hydrographs and/or stage-duration graphs
  - 16 MFL lakes – vertical flow budgets (export to SJR lake models)
- Transect locations
  - Flux along the fresh – salt water interface
- Head/drawdown maps and animations
- Water Budget Information

# ECFT Graphics Locations



# CENTRAL FLORIDA COORDINATION AREA

PMVIEWER Modeling Version: Version 3.1 - Host: whqxoam02t.sfwmd.gov - DB: District Internal - Microsoft Internet Explorer provi

File Edit View Favorites Tools Help



Address http://mytest.sfwmd.gov/pmviewer/showPMViewer.do

Example Only

Select Model  
ECFT

## ECFT-ECFT Modeling

- HOME
- PM Viewer
- What's New
- Alternative or Scenario Descriptions
- Performance Measure Descriptions
- Model Documentation
- HELP



sfwmd.gov

Select Project

ECFT Project

Select Set of Alternatives or Scenarios

PMSet 1 (Test\_1995, Test\_2006)

Search by Spatial Feature:

- Water Budgets
- Springs
- Flow Transects
- Vertical Flows (Lakes and Rivers)
- Stage Profiles
- Target Lakes
- Indicator Regions (Ridges)
- Indicator Regions
- Monitor Wells

Search by Topic

(Search will return graphics for selected spatial features):

- Animations
- Draw Down

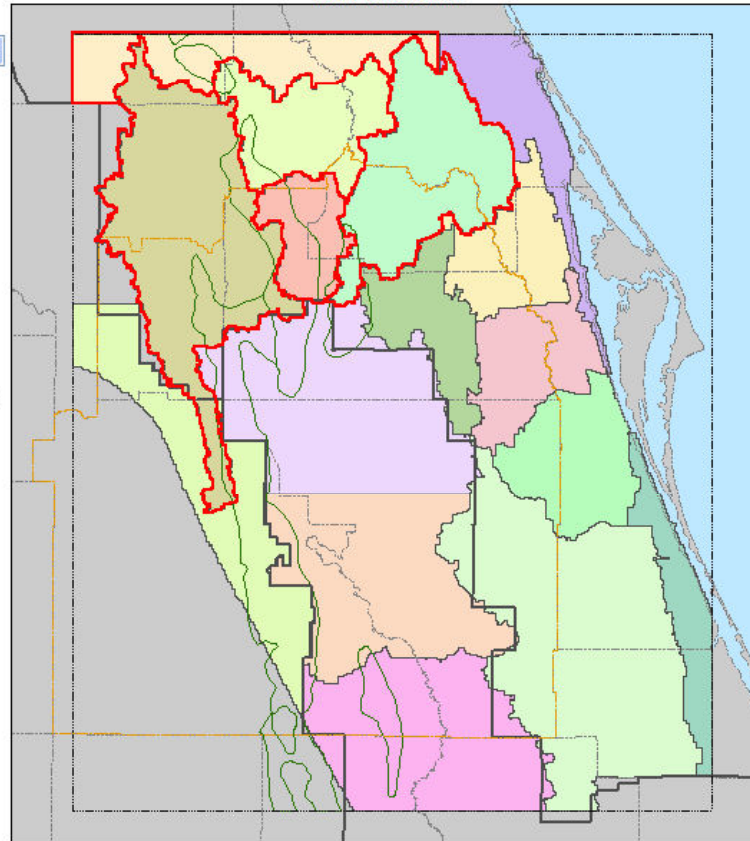
Select All

Select None

Update Map & Figures

↓ You may need to scroll down for figures.

### ECFT REGIONAL



Navigator

- Christmas
- Cocoa
- Deland
- Eoan River
- Harney
- Kiss Basin A-B
- Kiss River S65 North
- Kiss River S65 South
- Melbourne
- Oklawaha
- Regional
- SJRWMD A
- SJRWMD B
- SJRWMD C
- SWFWMD
- Sanford
- Wekiva River

Click Map or Navigator to Go to Area

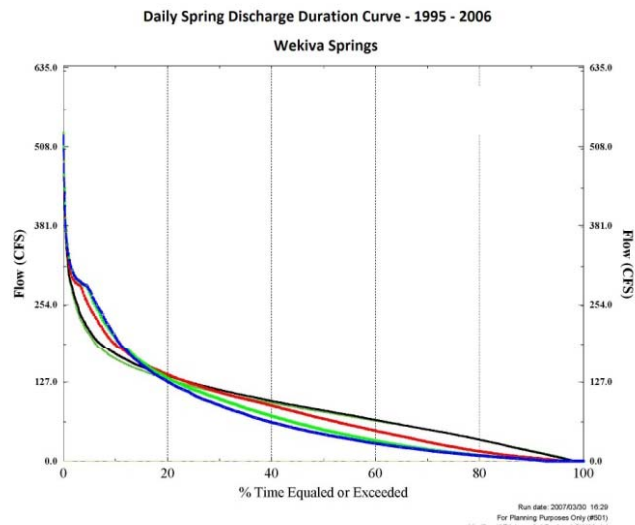
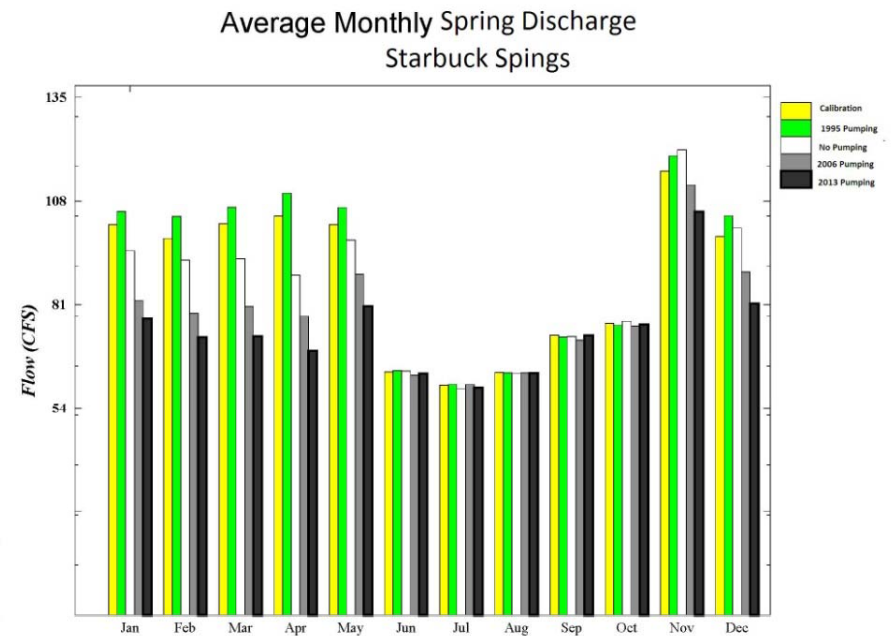
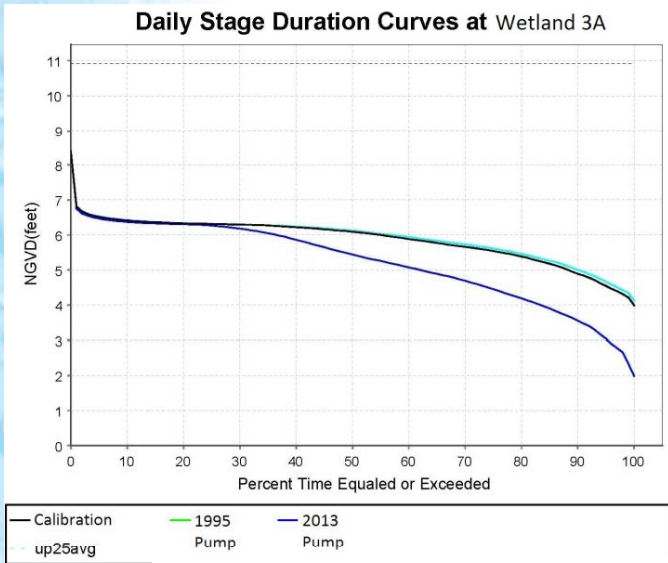
Now Over:

### List of 97 Figures Available for ECFT

0 Official Performance Measures 97 Other Performance Graphics

- 1 [Annual Dry Season Spring Flow for Alexander](#)
- 2 [Annual Dry Season Spring Flow for Apopka](#)
- 3 [Annual Dry Season Spring Flow for Blue \(Lake Co\)](#)
- 4 [Annual Dry Season Spring Flow for Blue \(Volusia Co\)](#)
- 5 [Annual Dry Season Spring Flow for Bugg](#)
- 6 [Annual Dry Season Spring Flow for Camp La No Che](#)

# Example Graphics from ECFT Model



## District-Wide Regulation Model

- DWRM model is compatible with GW Vistas and other Modflow pre-post processing software.
  - Modflow datasets will be available for pre-post processing software.
  - Graphics in similar form to PM Viewer
  - Output does not represent interpretation of results
  - GW Vistas generally required to view output

# Types of DWRM Production Graphics Sites within CFCA

- Monthly Hydrographs & Stage Duration Curves
  - 81 wells/monitoring stations
    - 42 Surficial Aquifer
    - 8 Intermediate Aquifer
    - 31 Upper Floridan Aquifer
  - 22 lakes
- Contoured Potentiometric & Drawdown Maps
- Water Budget Information



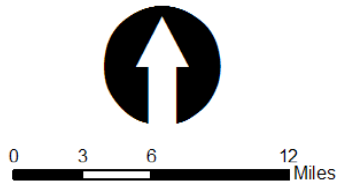


# CENTRAL FLORIDA COORDINATION AREA

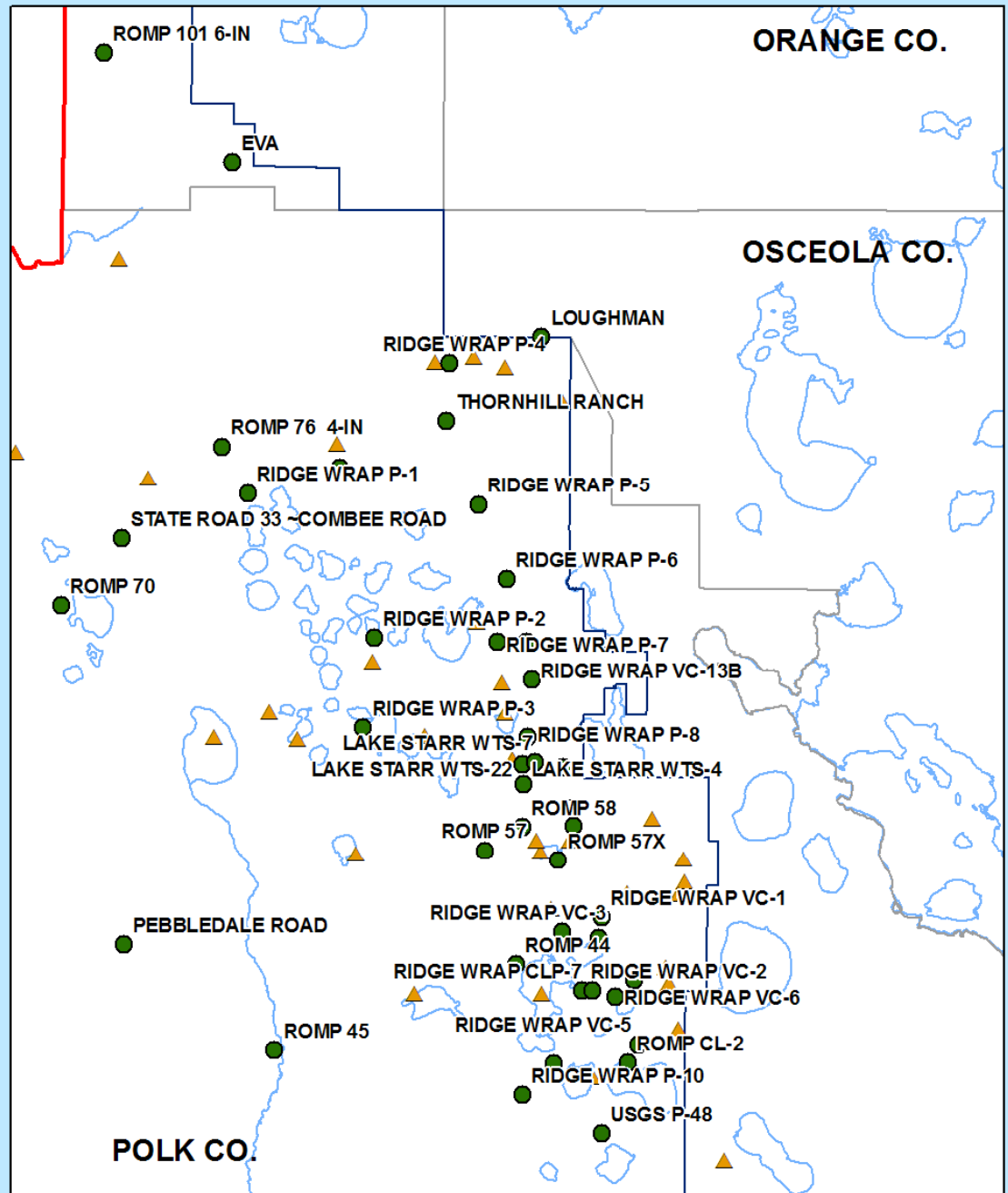
## DWRM CFCA Model

### Surficial Aquifer (Layer-1) Target Well Locations

- ▲ CFCFA Environmental Sites
- ▭ CFCFA Boundary
- Target Wells



Southwest Florida  
Water Management District

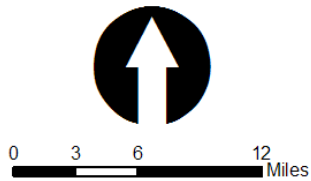


# CENTRAL FLORIDA COORDINATION AREA

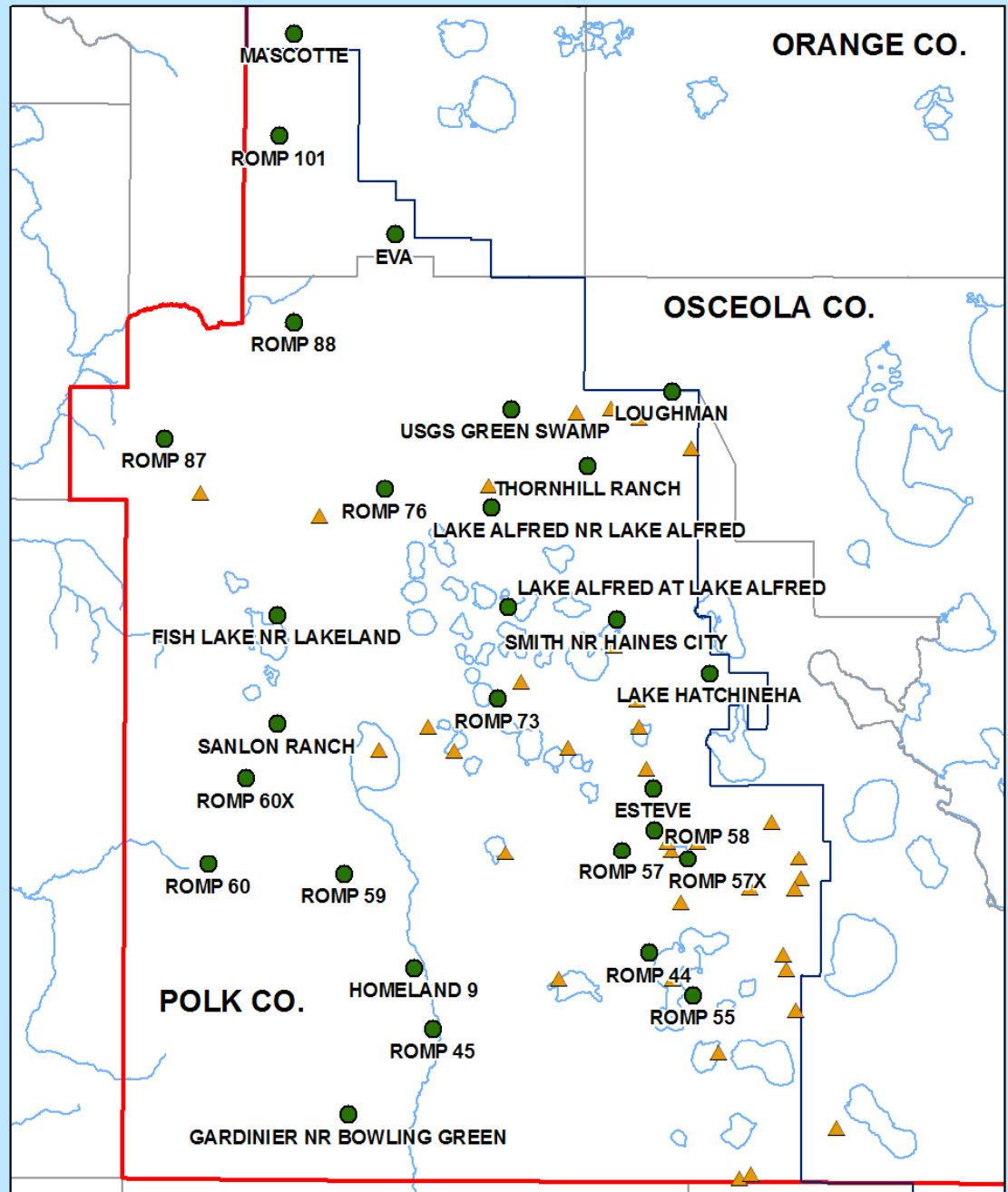
## DWRM CFCA Model

### Upper Floridan Aquifer (Layer-4) Target Well Locations

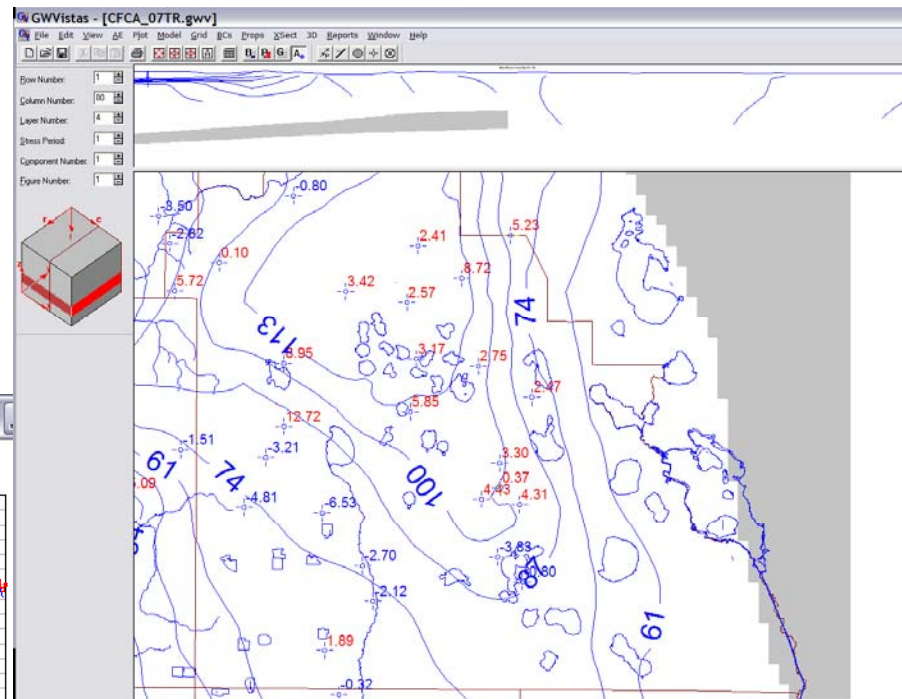
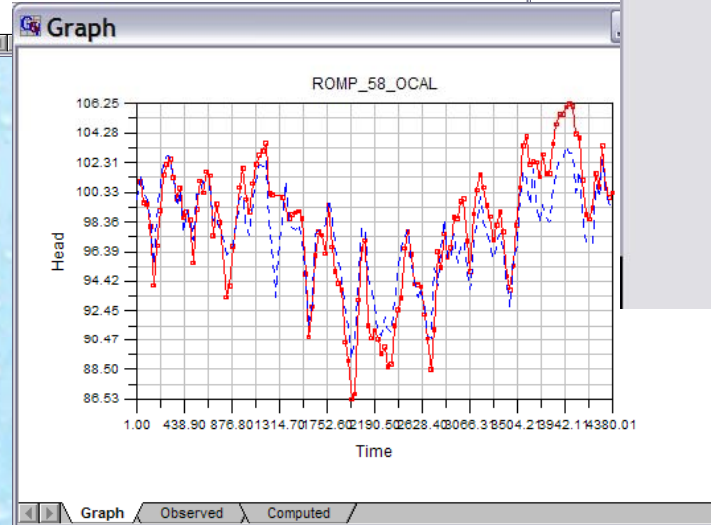
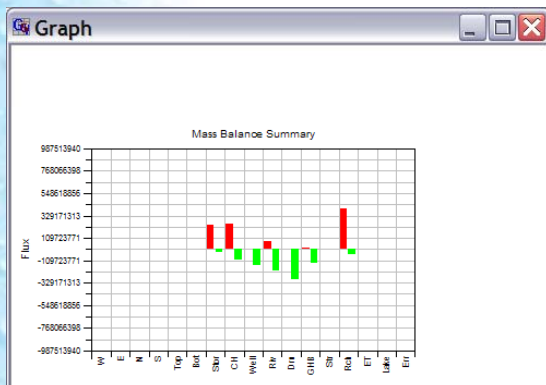
- ▲ CFCFA Environmental Sites
- CFCFA Boundary
- Target Wells



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# Example Graphics from DWRM Model



# Model Documentation

- ECFT and DWRM Models
  - Location and description of model runs and data set updates are available upon request
  - Future goal is to locate the models and data sets in a centralized area for easy downloading via web or FTP