

**Withlacoochee Regional Water Supply Authority
Water Supply Plan Update
Progress Report #9 (November 2013)**

Cardno ENTRIX

3905 Crescent Park Drive
Riverview, FL 33578
USA

Phone 813 664 4500
Toll-free 800 368 7511
Fax 813 664 0440
www.cardno.com

www.cardnoentrix.com

1) Task 2. Availability of Ground- and Surface Water

Continued efforts to work with SWFWMD to coordinate the impact modeling of proposed wellfields. SWFWMD delivered their updated and expanded Northern District model in September but significant additional work (listed below) is being completed by Cardno staff prior to use of the model.

- a. Developed the 2010 and 2030 well packages for use in the model.
- b. Re-evaluating the need for and locations of the wellfields proposed in the WRWSA's 2010 Water Supply Plan Update. The re-evaluation is based on the 2035 population and water demand projections that have recently been developed.
 - i. Developed groundwater deficit/surplus maps for the year 2035 based on projected demands for utility service areas vs. permitted groundwater quantities.
 - ii. Met with the Directors and staffs of Hernando, Citrus, and Marion County utilities and presented the deficit/surplus maps to them.
 - iii. Based on feedback received, locations of potential wellfields are being revised.

2) Task 3. Water Conservation and Reclaimed Water Strategies

- a. Continued to work with the University of Florida EZ Guide staff to assist in their efforts to complete the EZ Guide modeling for public supply utilities.

3) Task 4. Water Supply Project Options

- a. Sub consultant completed a second draft of the update on the feasibility of a seawater desalination project option at the Crystal River Energy site.
- b. Sub consultant completed a draft of the update of the feasibility of surface water supply options for the Withlacoochee River.