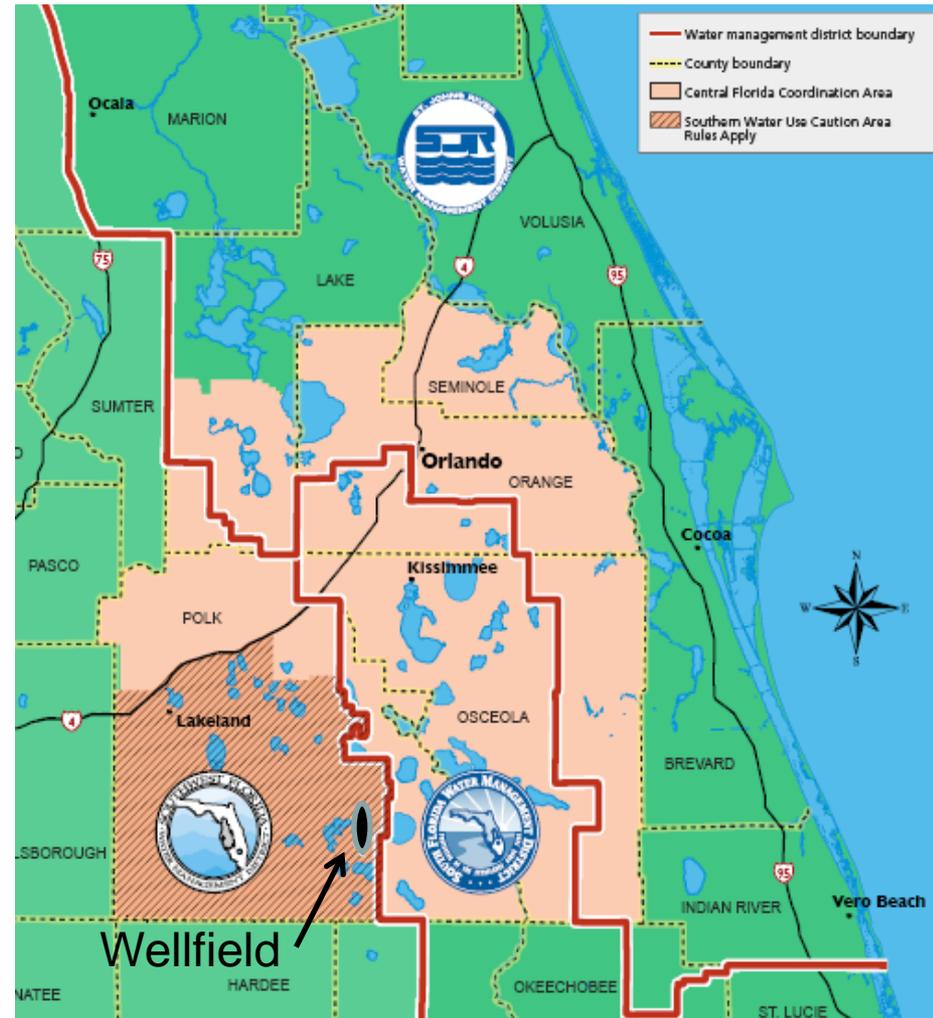


Polk County Southeast Wellfield Project

Sharon M. Trost, P.G., AICP
Director, Regulation Division

Proposed Wellfield Project

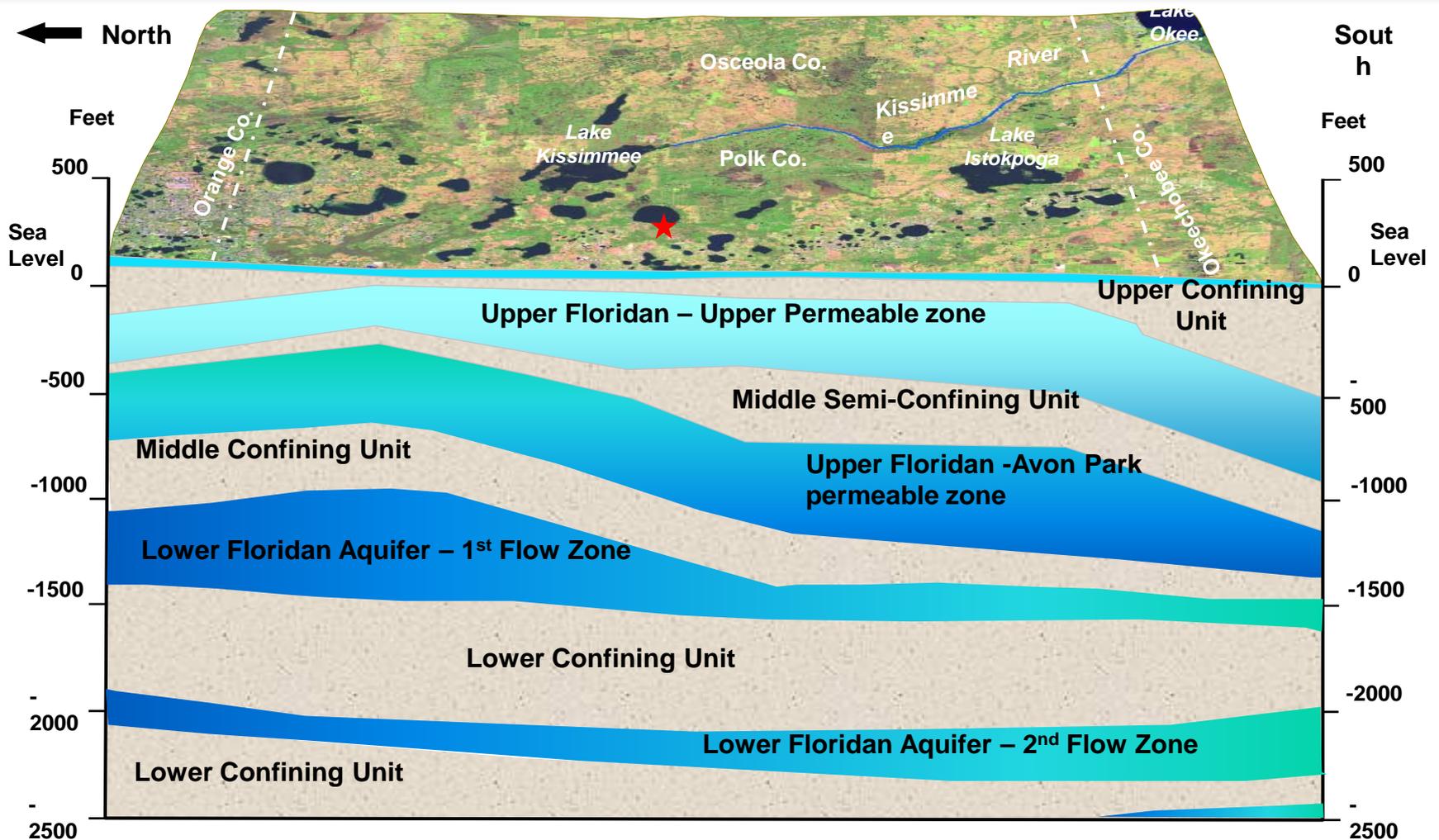
- Polk County Utilities
 - 37.5 MGD from Lower Floridan
 - 40-year duration
 - 2 miles from SW/SFWMD Boundary
- Boundary
- Interdistrict transfer within Polk County
 - < 5% to meet SFWMD demands



Proposed Wellfield Project



Generalized Hydrostratigraphy



★ Polk Co. SE Wellfield

Groundwater Modeling Results

Maximum drawdown predicted:

- 0.7 feet in the Surficial Aquifer
- 4.5 feet in the Upper Floridan Aquifer
- 90 feet in the Lower Floridan Aquifer



Impact Assessment

- No adverse impacts to existing legal users
- No impacts expected to wetlands and other surface waters
- Maximum modeled surficial aquifer drawdown in the proposed wellfield is 0.7 feet



Chronology

- Pre-application coordination with the applicant and SWFWMD staff
- Water Use Permit Application submitted on July 12, 2011
- On-going coordination with SWFWMD staff
- Modeling results accepted by SFWMD
- The applicant submitted a response to the January 11, 2013 request for additional information on February 8, 2013



Memorandum of Understanding (MOU)

- SFWMD and SWFWMD will be parties to the agreement
- Address water supply management issues in light of the interdistrict transfer of groundwater within Polk County
- Defines responsibilities as wellfield is developed
- Final action on the MOU will need to occur prior to or concurrent with final action on the permit application.

