

**Technical Memorandum**  
**North Florida Regional Water Supply Plan**  
**Simulated Change in the Potentiometric Surface**  
**within the**  
**North Florida-Southeast Georgia Regional Groundwater Flow Model Area**  
**January 6, 2017**

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Changes in the potentiometric surface of the Floridan aquifer resulting from projected 2035 groundwater withdrawals, were simulated with the North Florida-Southeast Georgia regional groundwater flow model (NFSEG). The following figures depict simulated changes in the Upper Floridan aquifer levels for the following scenarios.

- Figure C1: Differences between 2009 estimated water withdrawals and 2035 projected water demands within the North Florida regional water supply planning boundary area with pumping held at 2009 levels outside the planning area
- Figure C2: Same as the scenario represented in Figure C1 but with water resource development (WRD) projects included in the simulation
- Figure C3: Differences between 2009 estimated water withdrawals and 2035 projected water demand within the entire NFSEG domain
- Figure C4: Same as the scenario represented in Figure C3 but with WRD projects included in the simulation

A decrease (drawdown) of the simulated potentiometric surface is indicated by the blue colors or positive numbers while the increase (rebound) in the simulated potentiometric surface is indicated by the yellow and green colors or negative numbers.