## List of Figures

Figure 5-1.	Map of annual average precipitation in 2010, and bar charts of 2001, 2009 and 2010 average annual precipitation by groundwater basin
Figure 5-2.	Difference in precipitation rate between 2010 and 2001 (left) and 2010 and 2009 (right). 3
Figure 5-3.	Map of annual average MSET in 2010, and bar charts of 2001, 2009 and 2010 average annual MSET by groundwater basin.
Figure 5-4.	Difference in MSET rate between 2010 and 2001 (left) and 2010 and 2009 (right)
Figure 5-5.	Map of annual average recharge rate in 2010, and bar charts of 2001, 2009 and 2010 average annual recharge rate by groundwater basin6
Figure 5-6.	Difference in recharge rate between 2010 and 2001 (left) and 2010 and 2009 (right) 7
Figure 5-7.	Distribution of Public-Supply, Commercial-Industrial and Institutional Withdrawals (MGD), 2010.
Figure 5-8.	Distribution of Total Groundwater Withdrawals by County (MGD), 20109
Figure 5-9.	Distribution of Multi-Aquifer Wells in 2010
Figure 5-10.	Distribution of Observation Wells, 201011
Figure 5-11.	Simulated vs. Observed Groundwater Levels (feet NAVD88), Model Layer 1, 201012
Figure 5-12.	Simulated vs. Observed Groundwater Levels (feet NAVD88), Model Layer 3, 201013
Figure 5-13.	Simulated vs. Observed Groundwater Levels (feet NAVD88), Model Layer 5, 201014
Figure 5-14.	Residual Groundwater Level Statistics Comparison for Model Layers 1, 3 and 5
Figure 5-15.	Simulated vs. Observed Spring Discharges (cfs), 201016
Figure 5-16.	Residual Spring Discharge Statistics Comparison17
Figure 5-17.	Simulated vs. Estimated Baseflow Pickups (cfs), 2010
Figure 5-18.	Residual Baseflow Pickup Statistics Comparison19
Figure 5-19.	Simulated vs. Estimated Range of Cumulative Baseflow Estimates in 2010
Figure 5-20.	Residual Cumulative Baseflow Statistics Comparison21
Figure 5-21.	2010 Groundwater Level Residuals, Model Layer 122
Figure 5-22.	2010 Groundwater Level Residuals, Model Layer 3
Figure 5-23.	Simulated UFA Potentiometric Surface, 2010
Figure 5-24.	Observed UFA Potentiometric Surface, 2010
Figure 5-25.	Model Wide Mass Balance Summary, 2010
Figure 5-26.	USGS Estimated Predevelopment Potentiometric Surface of the Floridan Aquifer System
	within the NFSEG Domain (after Johnston et al. 1980)27
Figure 5-27.	NFSEG Simulated No-pumping Layer-3 Potentiometric Surface and USGS Estimated
	Predevelopment Potentiometric Surface of the Floridan Aquifer System (after Johnston et
	al. 1980)
Figure 5-28.	Differences between the USGS Estimated Predevelopment Potentiometric Surface of the
	Floridan Aquifer System (after Johnston et al. 1980) and the NFSEG Simulated No-
	pumping Layer-3 Potentiometric Surface within the Area of Interest
Figure 5-29.	Increases in Depth of Flooding of NFSEG Layer 1 between the NFSEG 2009 and No-
	pumping Simulations within the Area of Interest



Figure 5-1. Map of annual average precipitation in 2010, and bar charts of 2001, 2009 and 2010 average annual precipitation by groundwater basin.



Figure 5-2. Difference in precipitation rate between 2010 and 2001 (left) and 2010 and 2009 (right).



Figure 5-3. Map of annual average MSET in 2010, and bar charts of 2001, 2009 and 2010 average annual MSET by groundwater basin.



Figure 5-4. Difference in MSET rate between 2010 and 2001 (left) and 2010 and 2009 (right).



Figure 5-5. Map of annual average recharge rate in 2010, and bar charts of 2001, 2009 and 2010 average annual recharge rate by groundwater basin.



Figure 5-6. Difference in recharge rate between 2010 and 2001 (left) and 2010 and 2009 (right).



Figure 5-7. Distribution of Public-Supply, Commercial-Industrial and Institutional Withdrawals (MGD), 2010.



Figure 5-8. Distribution of Total Groundwater Withdrawals by County (MGD), 2010.



Figure 5-9. Distribution of Multi-Aquifer Wells in 2010.



Figure 5-10. Distribution of Observation Wells, 2010.



Figure 5-11. Simulated vs. Observed Groundwater Levels (feet NAVD88), Model Layer 1, 2010.



Figure 5-12. Simulated vs. Observed Groundwater Levels (feet NAVD88), Model Layer 3, 2010.



Figure 5-13. Simulated vs. Observed Groundwater Levels (feet NAVD88), Model Layer 5, 2010.



Figure 5-14. Residual Groundwater Level Statistics Comparison for Model Layers 1, 3 and 5.



Figure 5-15. Simulated vs. Observed Spring Discharges (cfs), 2010



Figure 5-16. Residual Spring Discharge Statistics Comparison.



Figure 5-17. Simulated vs. Estimated Baseflow Pickups (cfs), 2010.



Figure 5-18. Residual Baseflow Pickup Statistics Comparison.



Figure 5-19. Simulated vs. Estimated Range of Cumulative Baseflow Estimates in 2010.



Figure 5-20. Residual Cumulative Baseflow Statistics Comparison.



Figure 5-21. 2010 Groundwater Level Residuals, Model Layer 1



Figure 5-22. 2010 Groundwater Level Residuals, Model Layer 3.



Figure 5-23. Simulated UFA Potentiometric Surface, 2010.



Figure 5-24. Observed UFA Potentiometric Surface, 2010.





Figure 5-25. Model Wide Mass Balance Summary, 2010.



Figure 5-26. USGS Estimated Predevelopment Potentiometric Surface of the Floridan Aquifer System within the NFSEG Domain (after Johnston et al. 1980)



Figure 5-27. NFSEG Simulated No-pumping Layer-3 Potentiometric Surface and USGS Estimated Predevelopment Potentiometric Surface of the Floridan Aquifer System (after Johnston et al. 1980)



Figure 5-28. Differences between the USGS Estimated Predevelopment Potentiometric Surface of the Floridan Aquifer System (after Johnston et al. 1980) and the NFSEG Simulated No-pumping Layer-3 Potentiometric Surface within the Area of Interest



Figure 5-29. Increases in Depth of Flooding of NFSEG Layer 1 between the NFSEG 2009 and Nopumping Simulations within the Area of Interest