# List of Figures

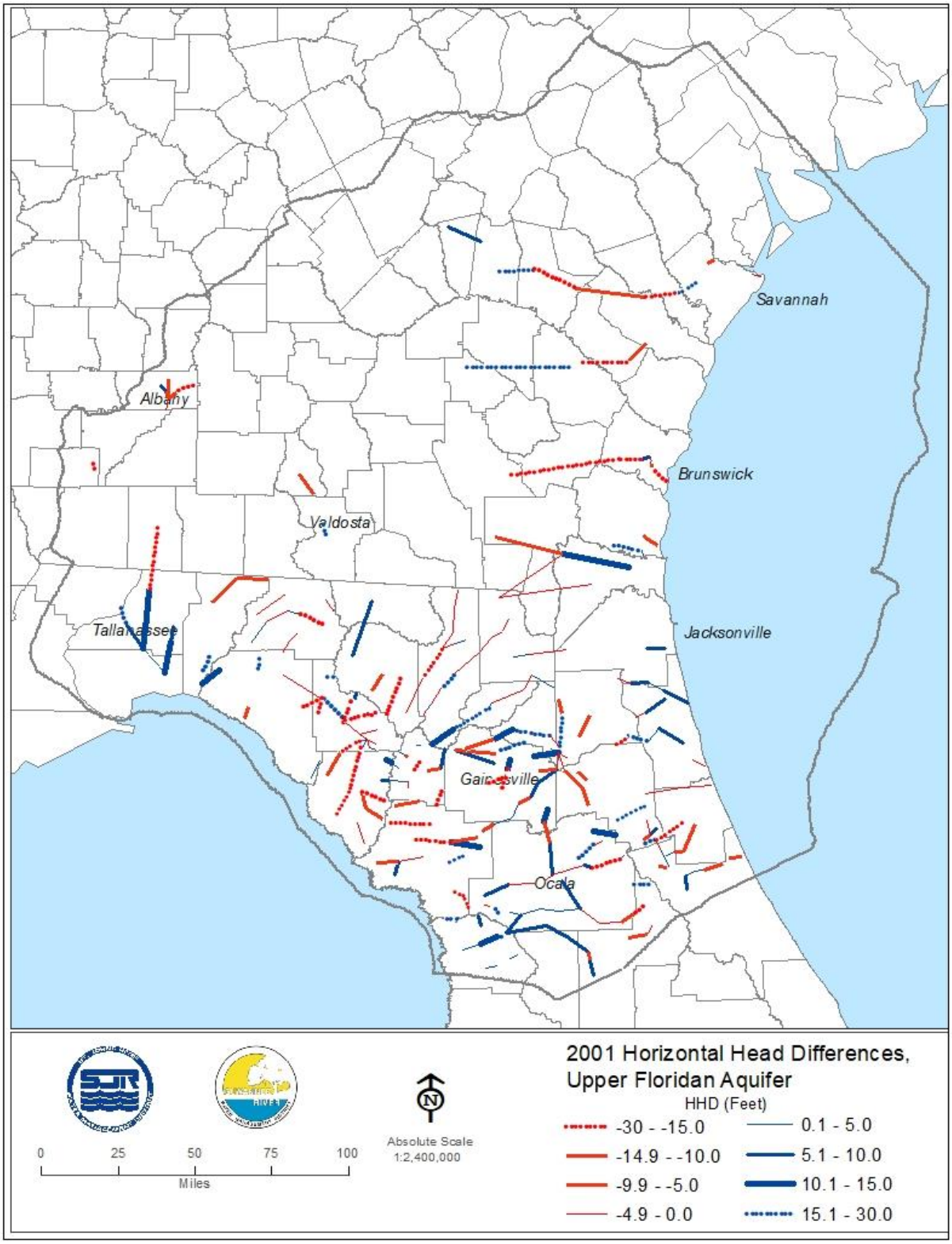


**Figure 4-1. Estimated Horizontal Head Difference, Upper Floridan Aquifer, 2001**

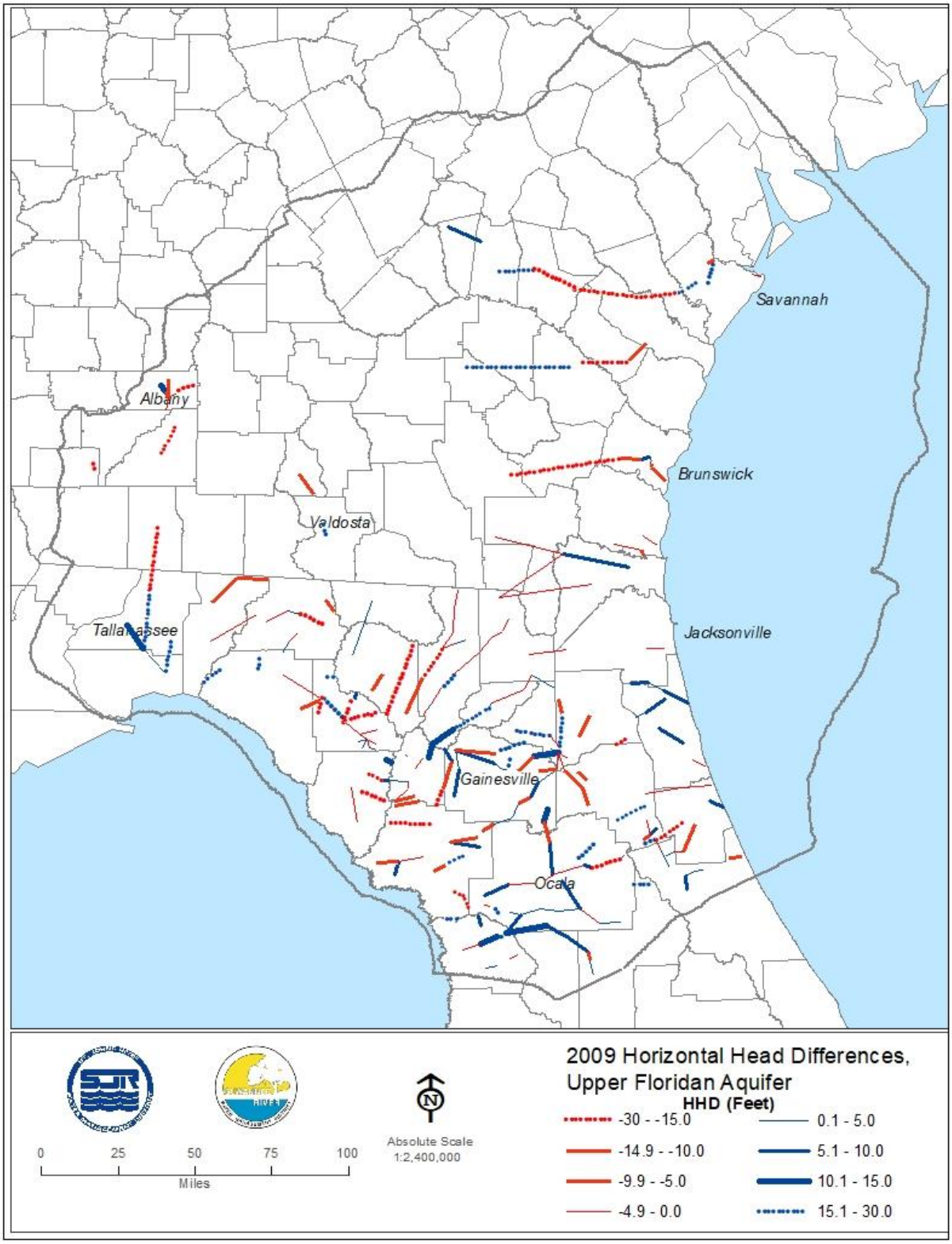


**Figure 4-2. Estimated Horizontal Head Difference, Upper Floridan Aquifer, 2009**

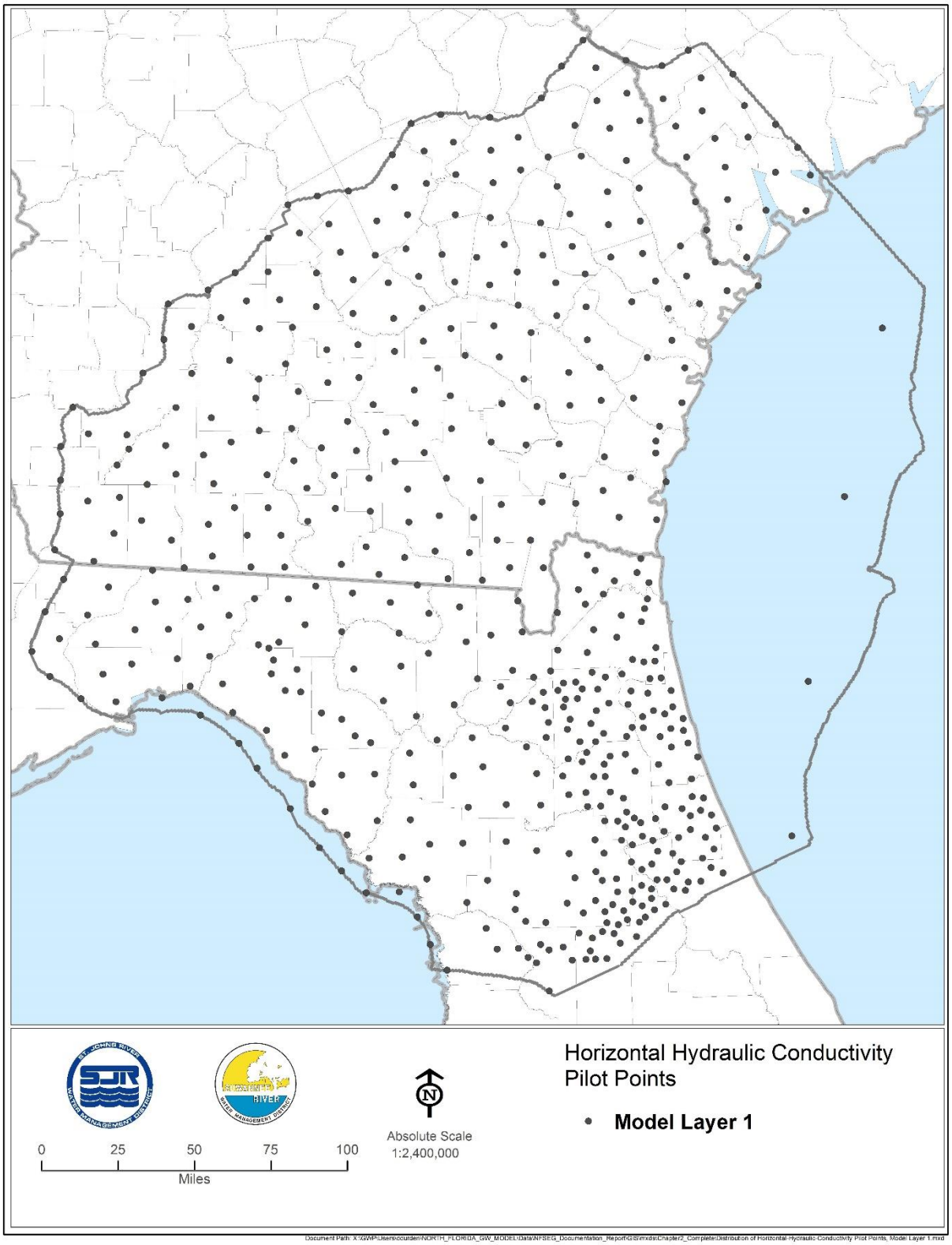


**Figure 4-3. Distribution of Horizontal Hydraulic Conductivity Pilot Points, Layer 1**

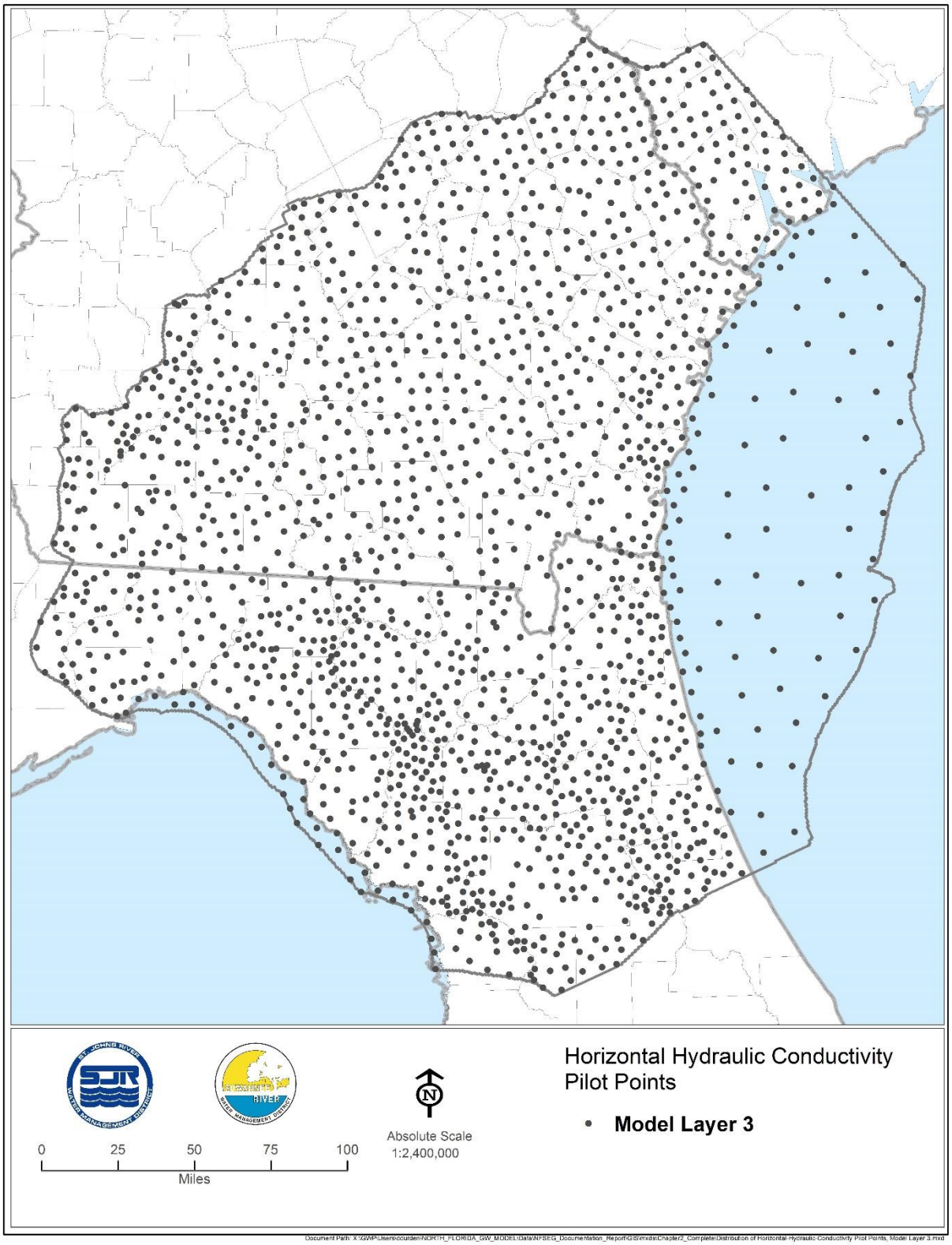


**Figure 4-4. Distribution of Horizontal Hydraulic Conductivity Pilot Points, Layer 3**

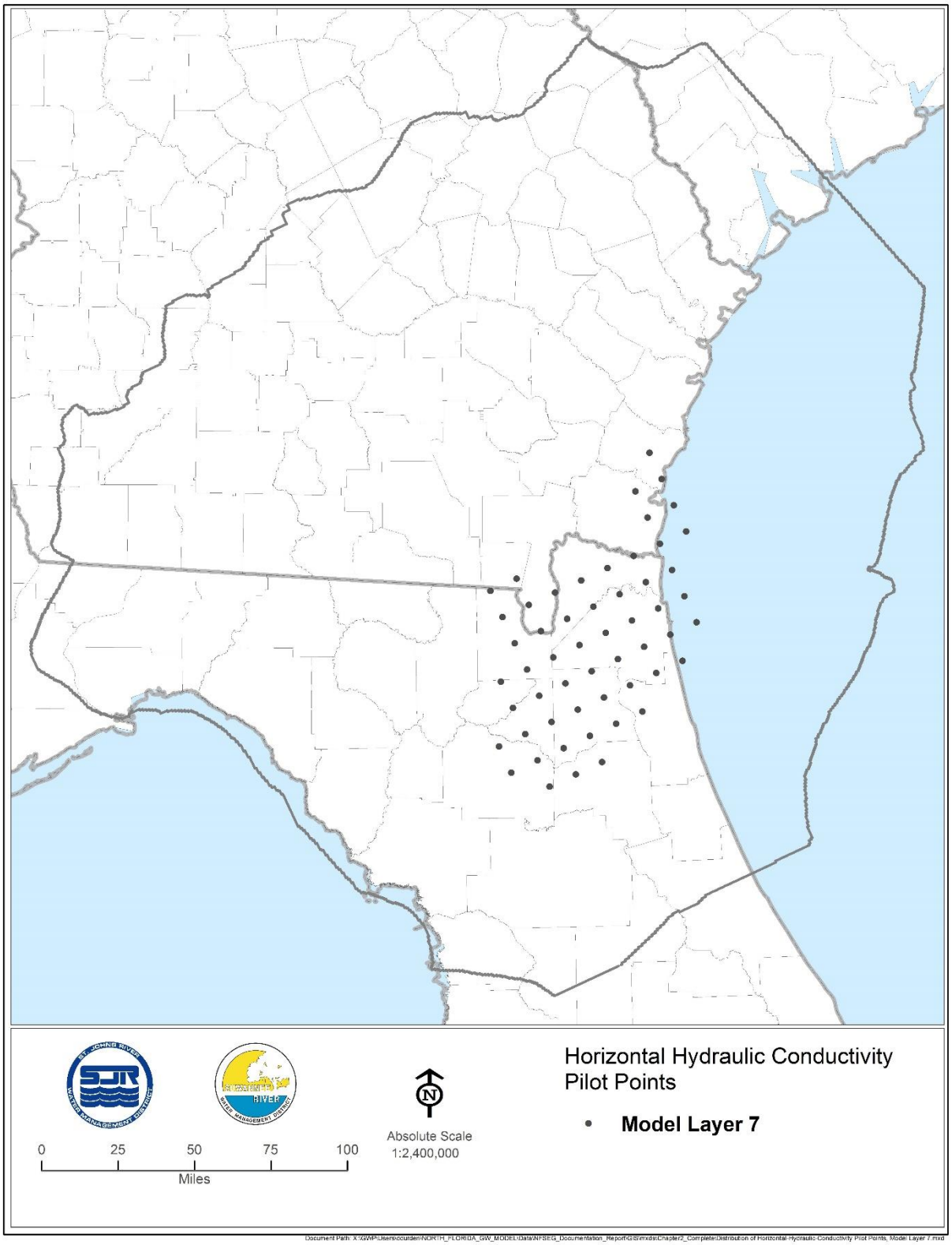


**Figure 4-5. Distribution of Horizontal Hydraulic Conductivity Pilot Points, Layer 7**

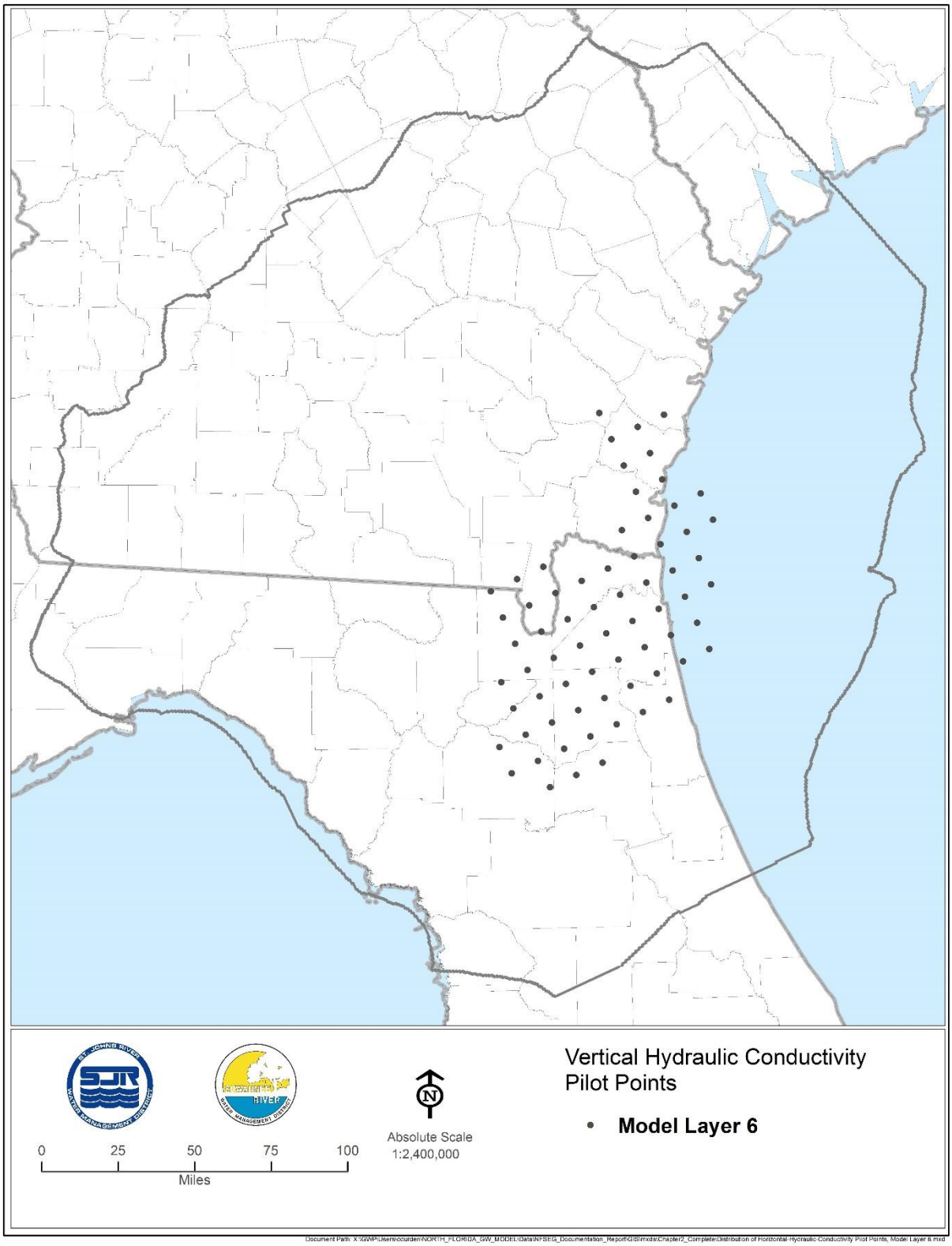


**Figure 4-6. Distribution of Vertical Hydraulic Conductivity Pilot Points, Layer 6**

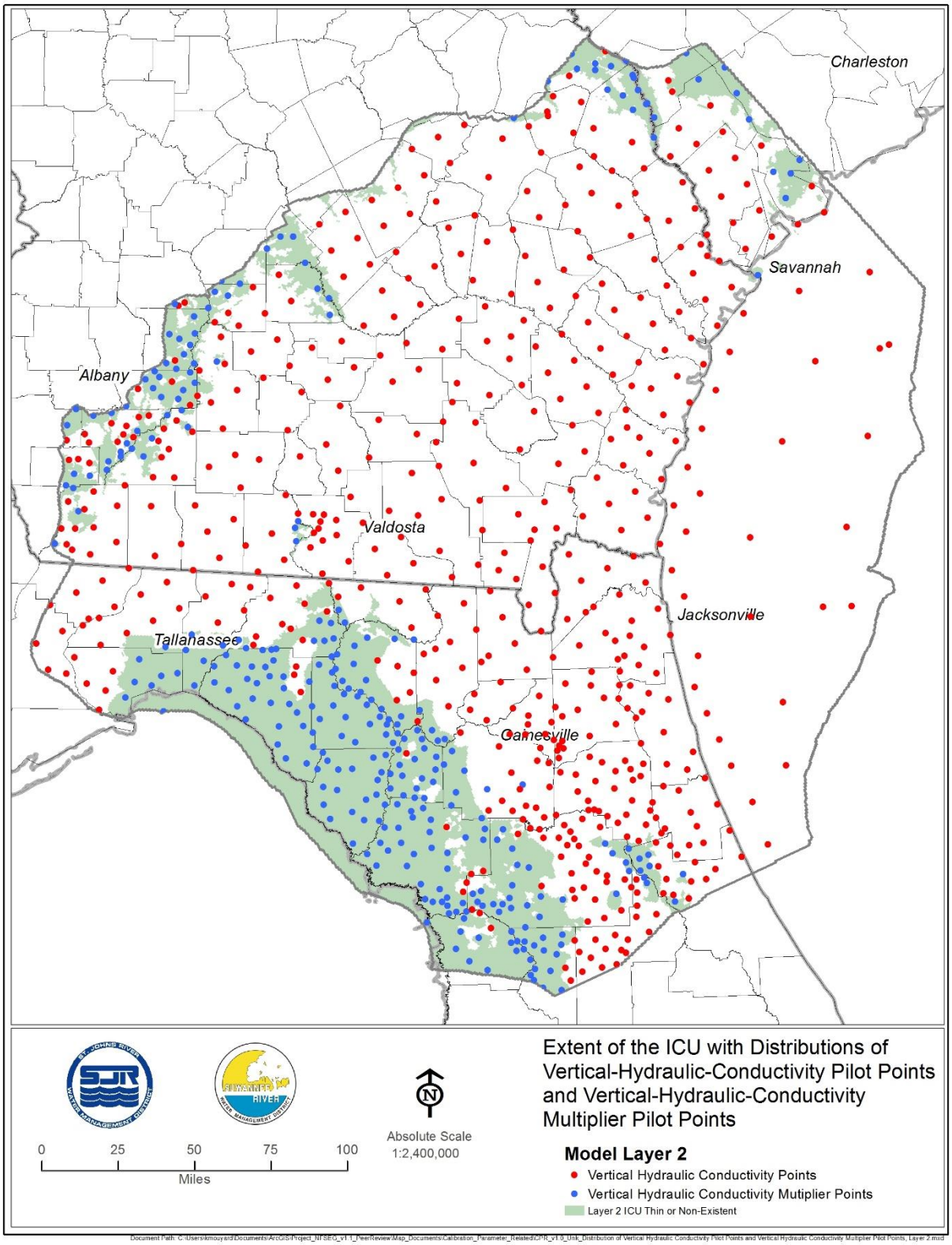


**Figure 4-7. Distribution of Vertical Hydraulic Conductivity Pilot Points and Vertical Hydraulic Conductivity Multiplier Pilot Points, Model Layer 2**

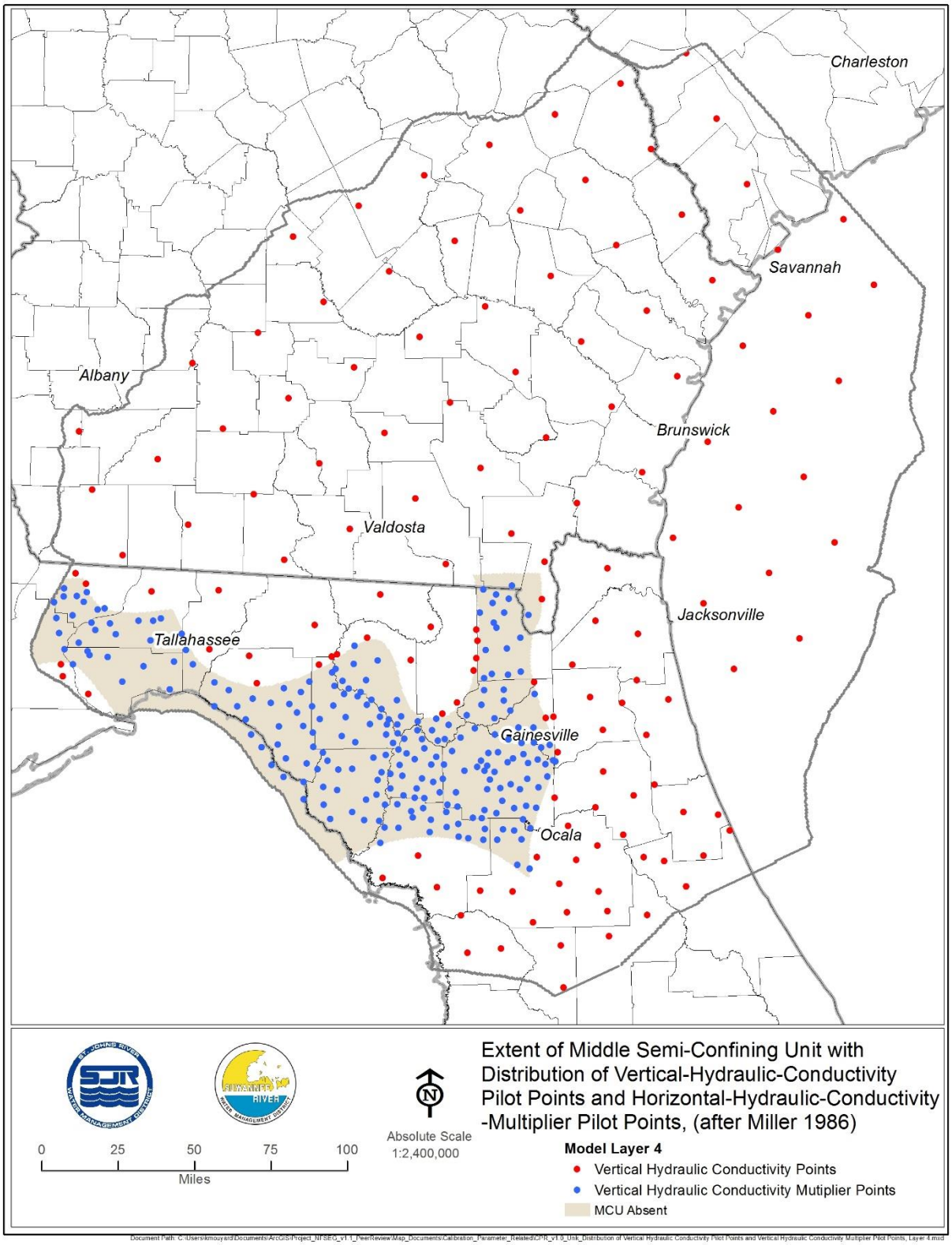


**Figure 4-8. Distribution of Vertical Hydraulic Conductivity Pilot Points and Vertical Hydraulic Conductivity Multiplier Pilot Points, Model Layer 4**

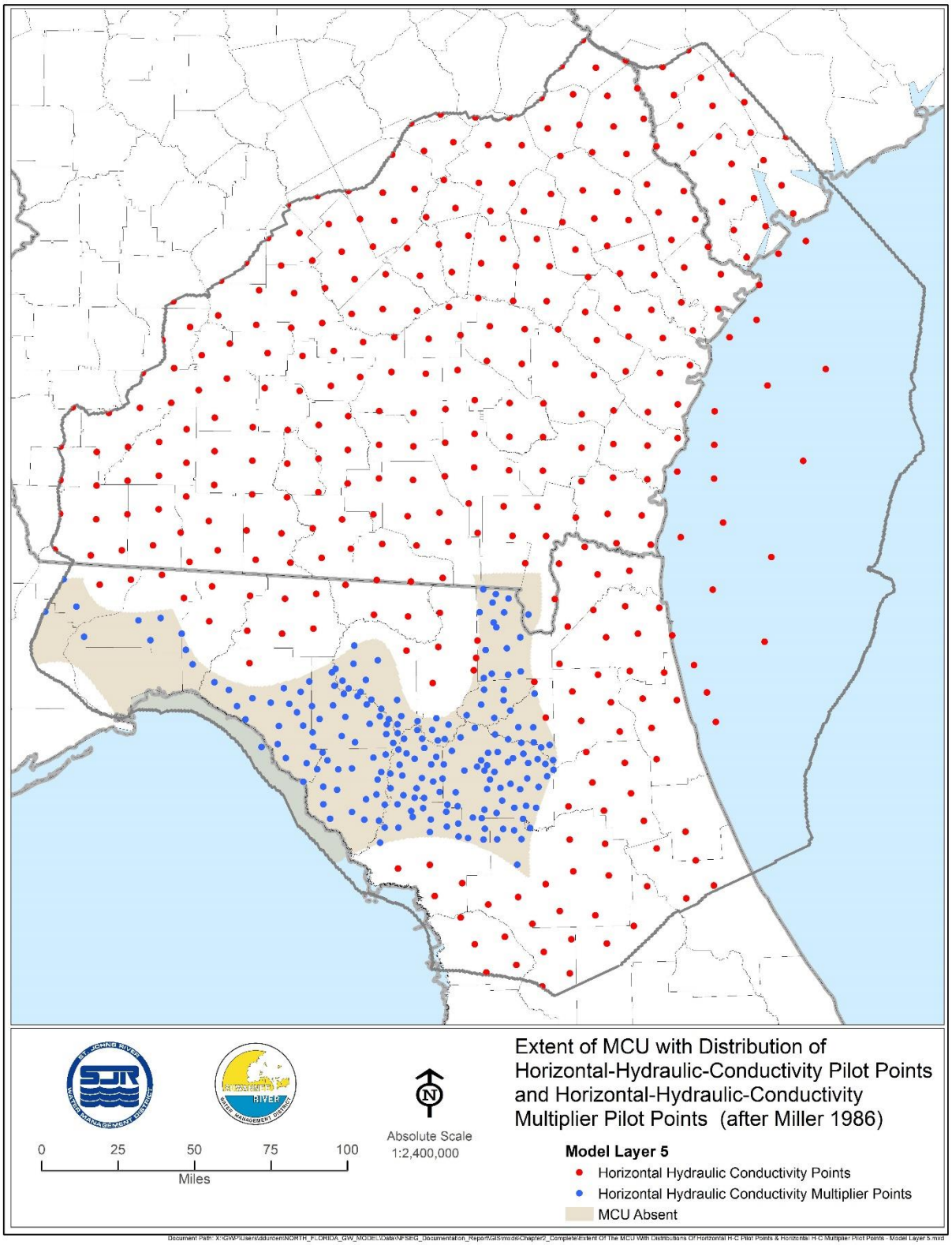


**Figure 4-9. Distribution of Horizontal Hydraulic Conductivity Pilot Points and Horizontal Hydraulic Conductivity Multiplier Pilot Points, Model Layer 5**

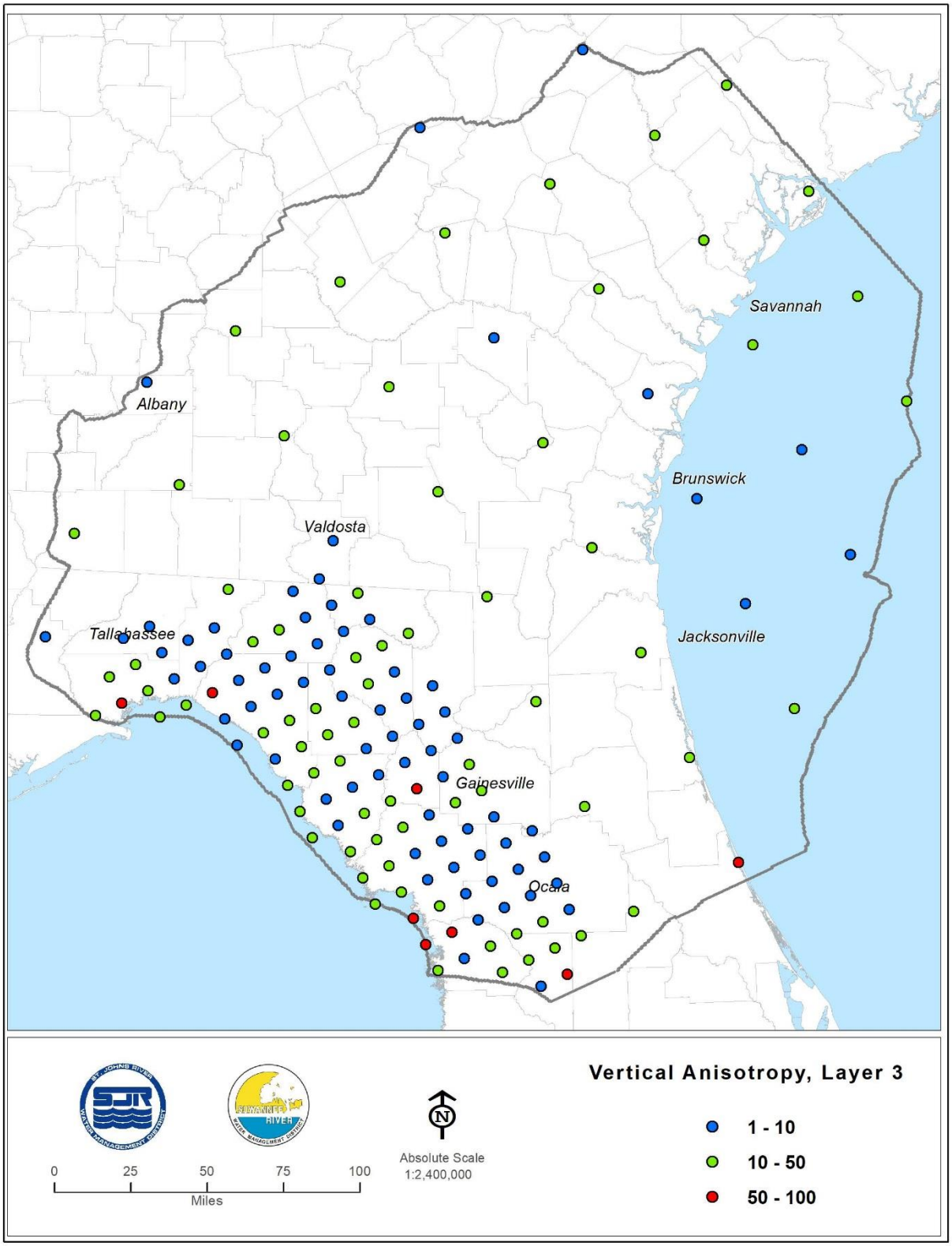


**Figure 4-10. Distribution of Anisotropy Pilot Points, Model Layer 3**

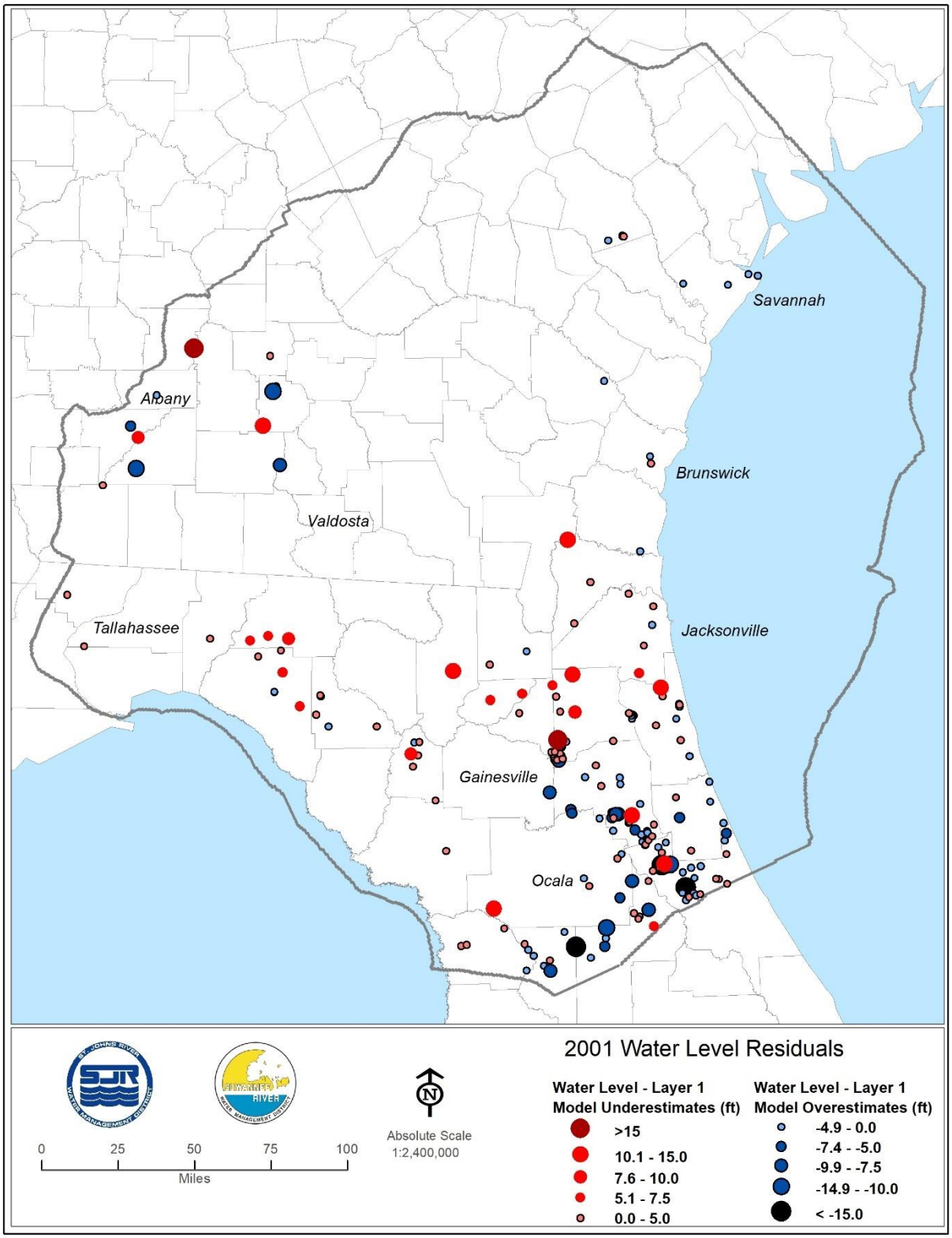


**Figure 4-11. Residuals of Hydraulic Head (Feet), Model Layer 1, 2001**

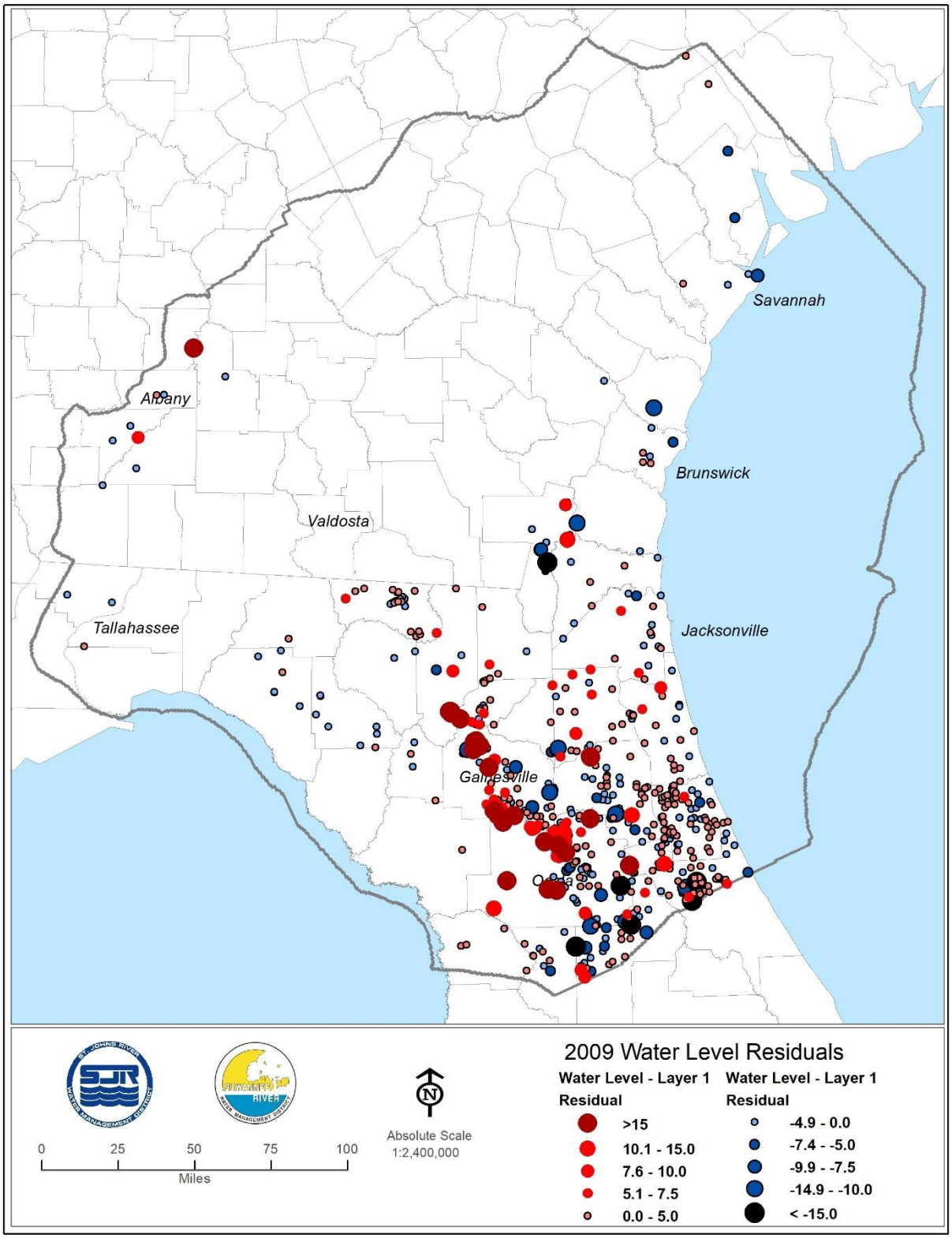


**Figure 4-12. Residuals of Hydraulic Head (Feet), Model Layer 1, 2009**

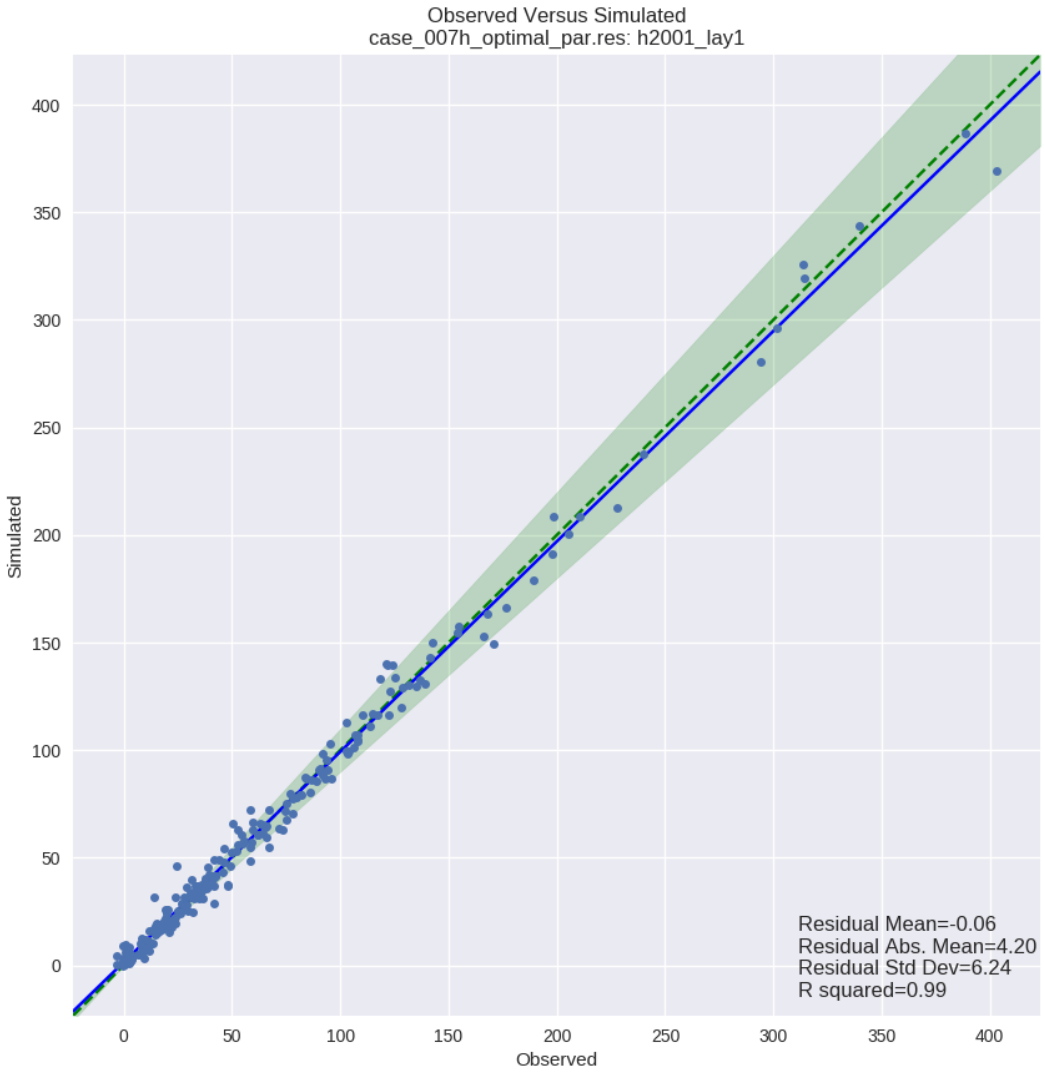


**Figure 4-13. Observed Hydraulic Head (Feet NAVD88), Model Layer 1, 2001**

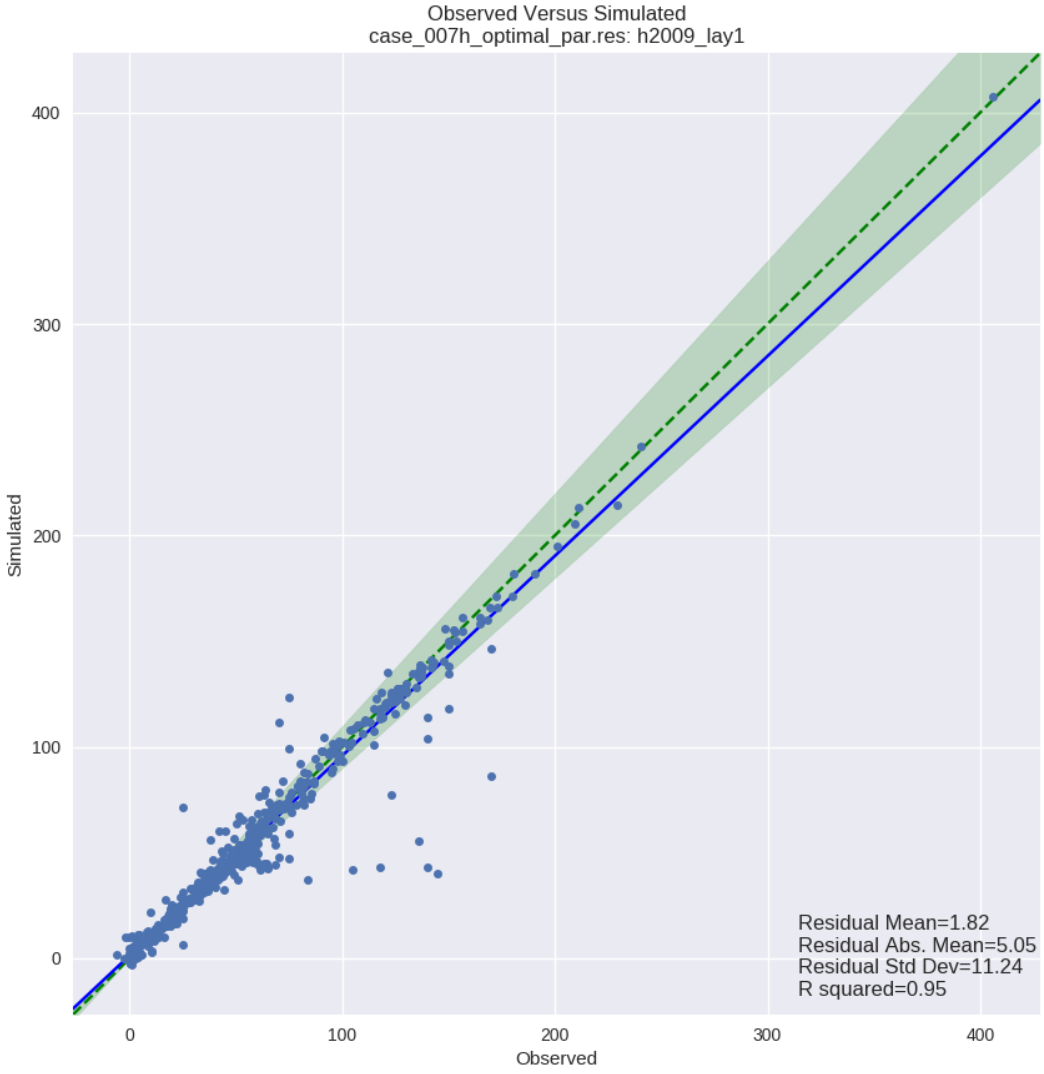


**Figure 4-14. Observed versus Simulated Hydraulic Head (Feet NAVD88), Model Layer 1, 2009**

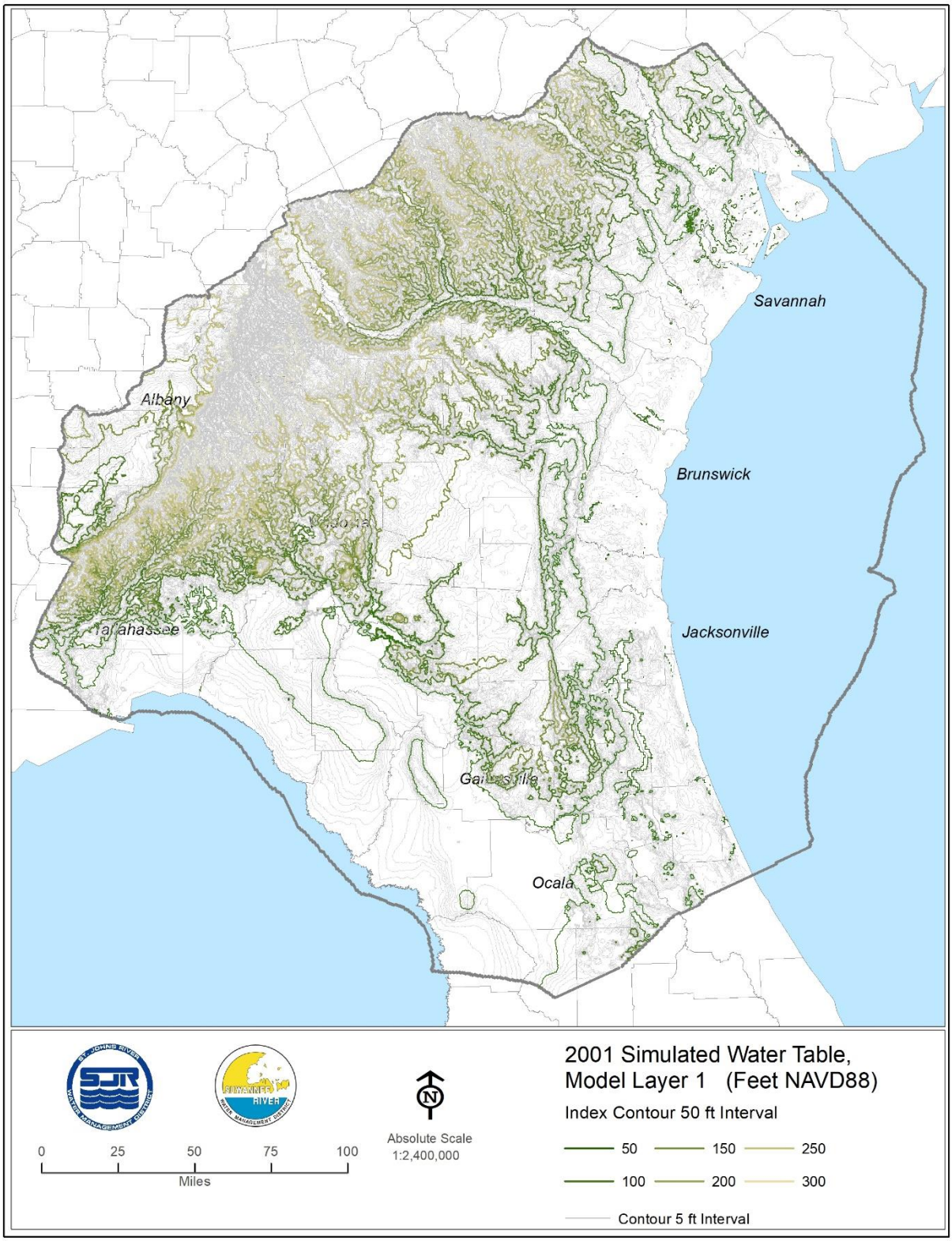


**Figure 4-15. Simulated Water Table of Model Layer 1 (Feet NAVD88), 2001**

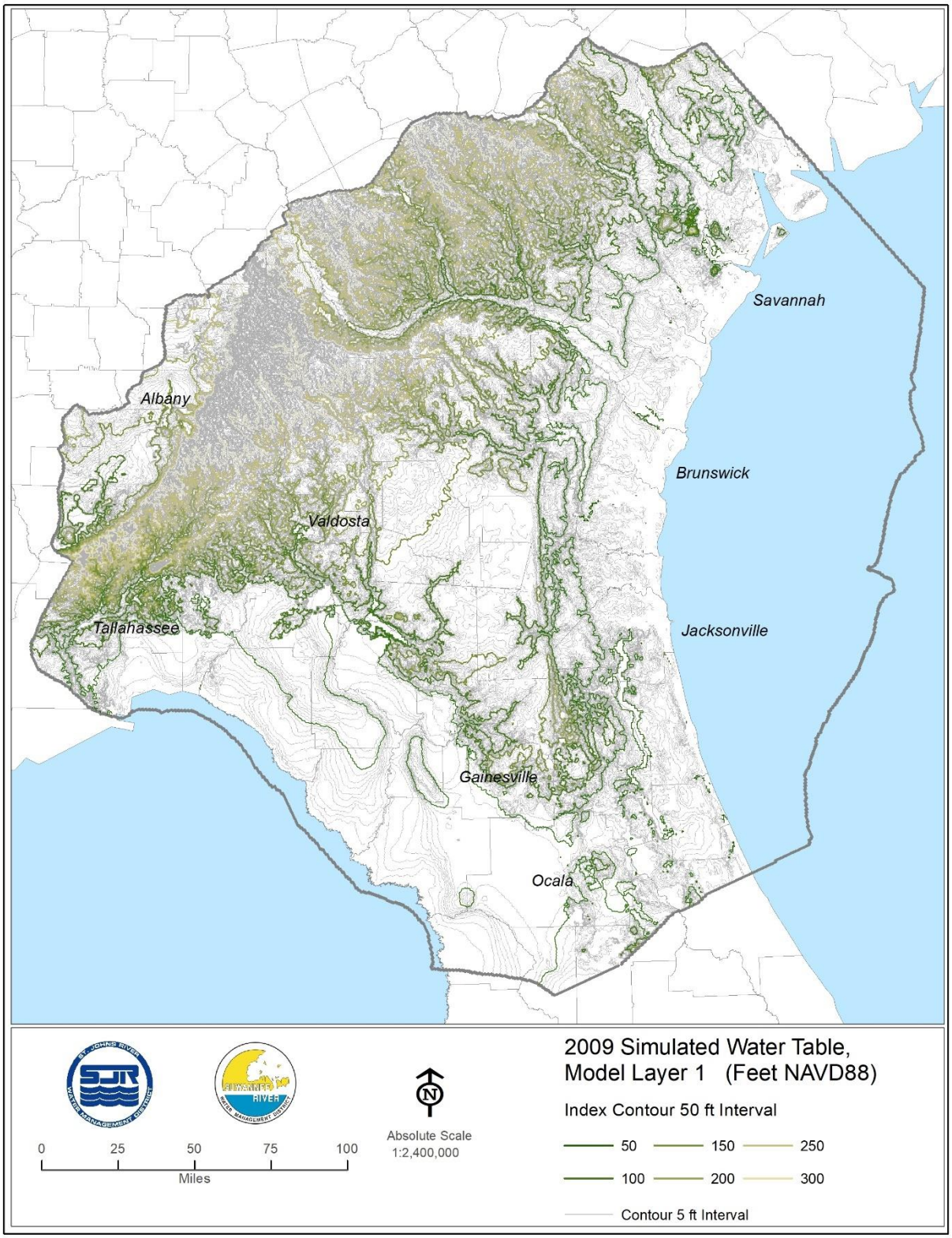


**Figure 4-16. Simulated Water Table of Model Layer 1 (Feet NAVD88), 2009**

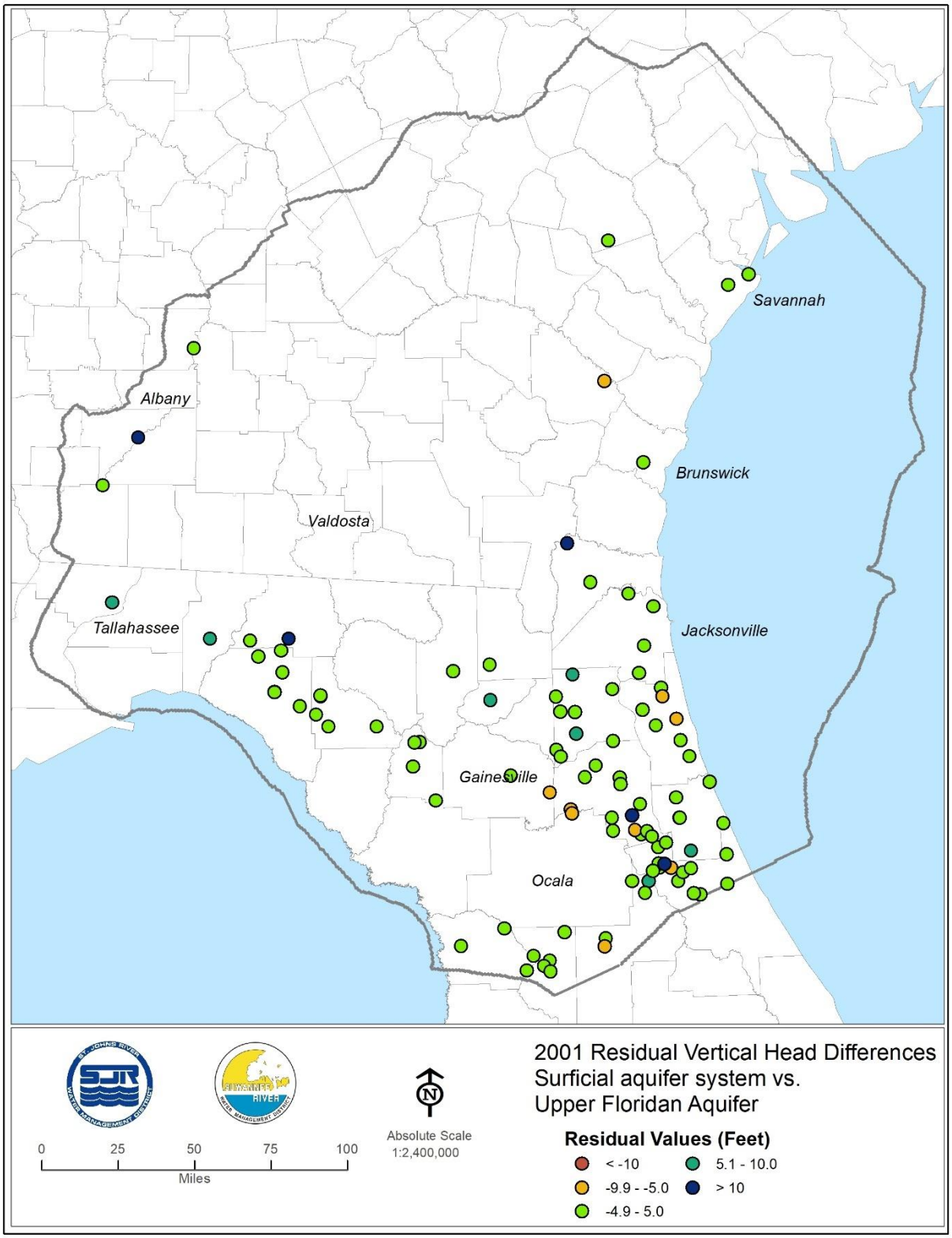


**Figure 4-17. Residuals of Vertical Head Differences (Feet), Model Layers 1 and 3, 2001**

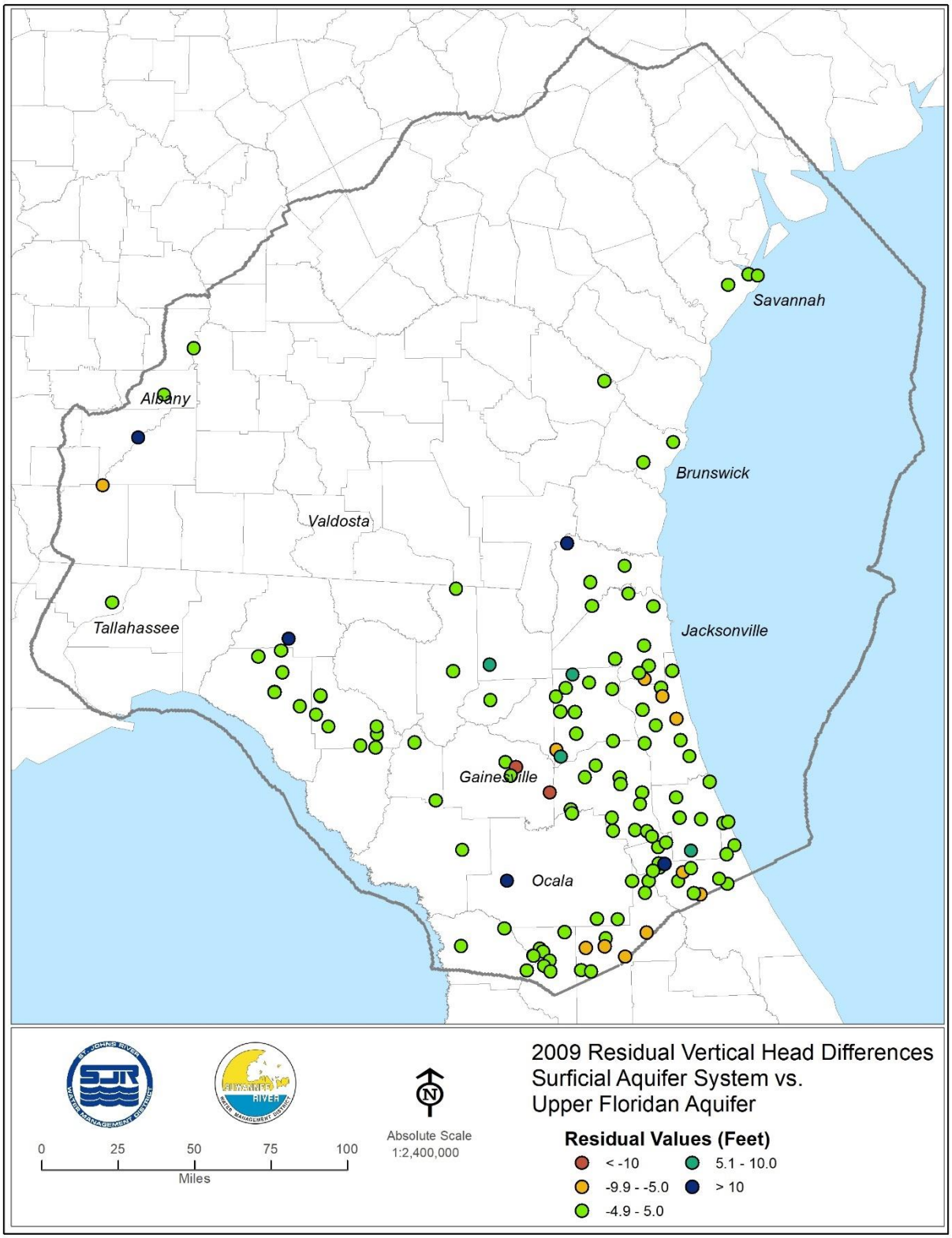


**Figure 4-18. Residuals of Vertical Head Differences (Feet), Model Layers 1 and 3, 2009**

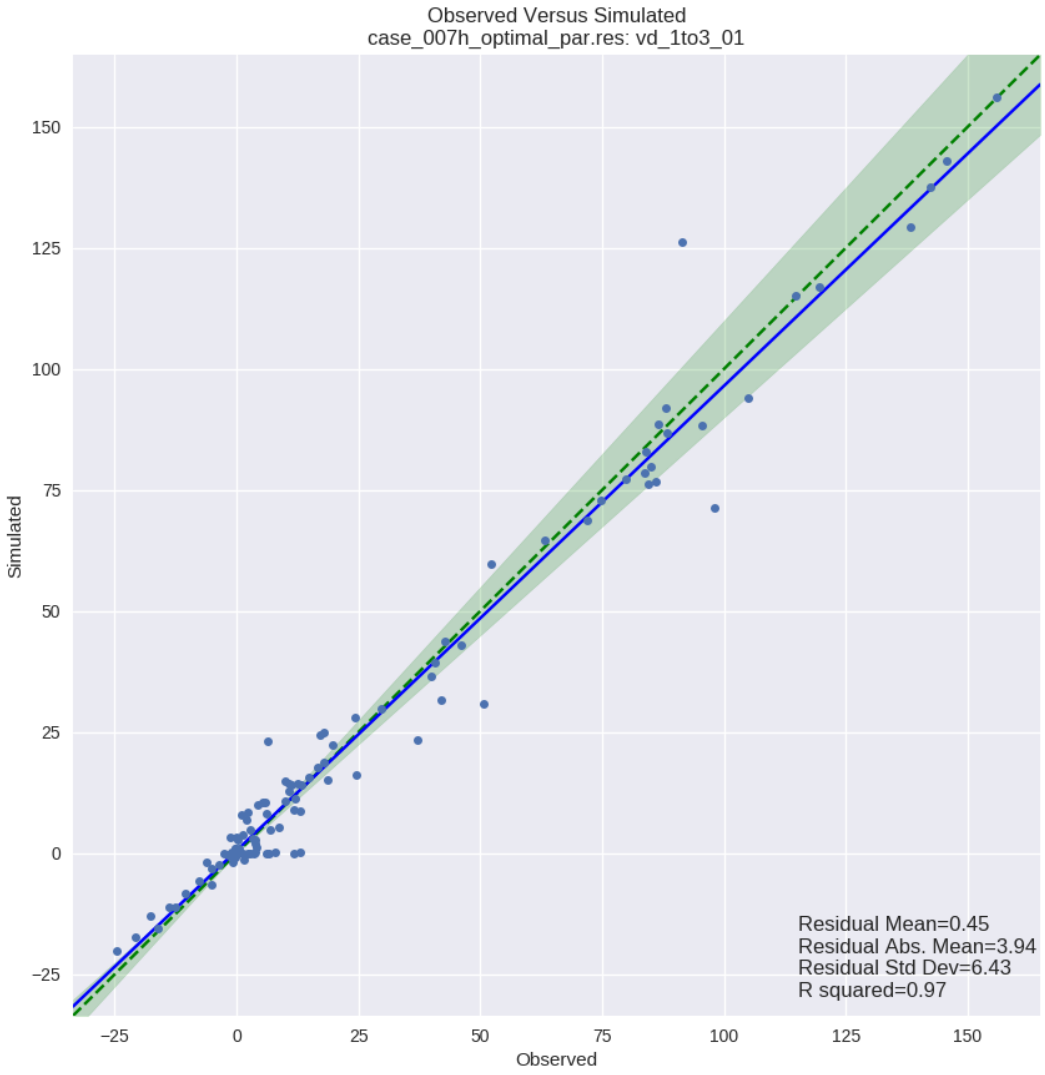


**Figure 4-19. Observed versus Simulated Vertical Head Differences (Feet), Model Layers 1 and 3, 2001**

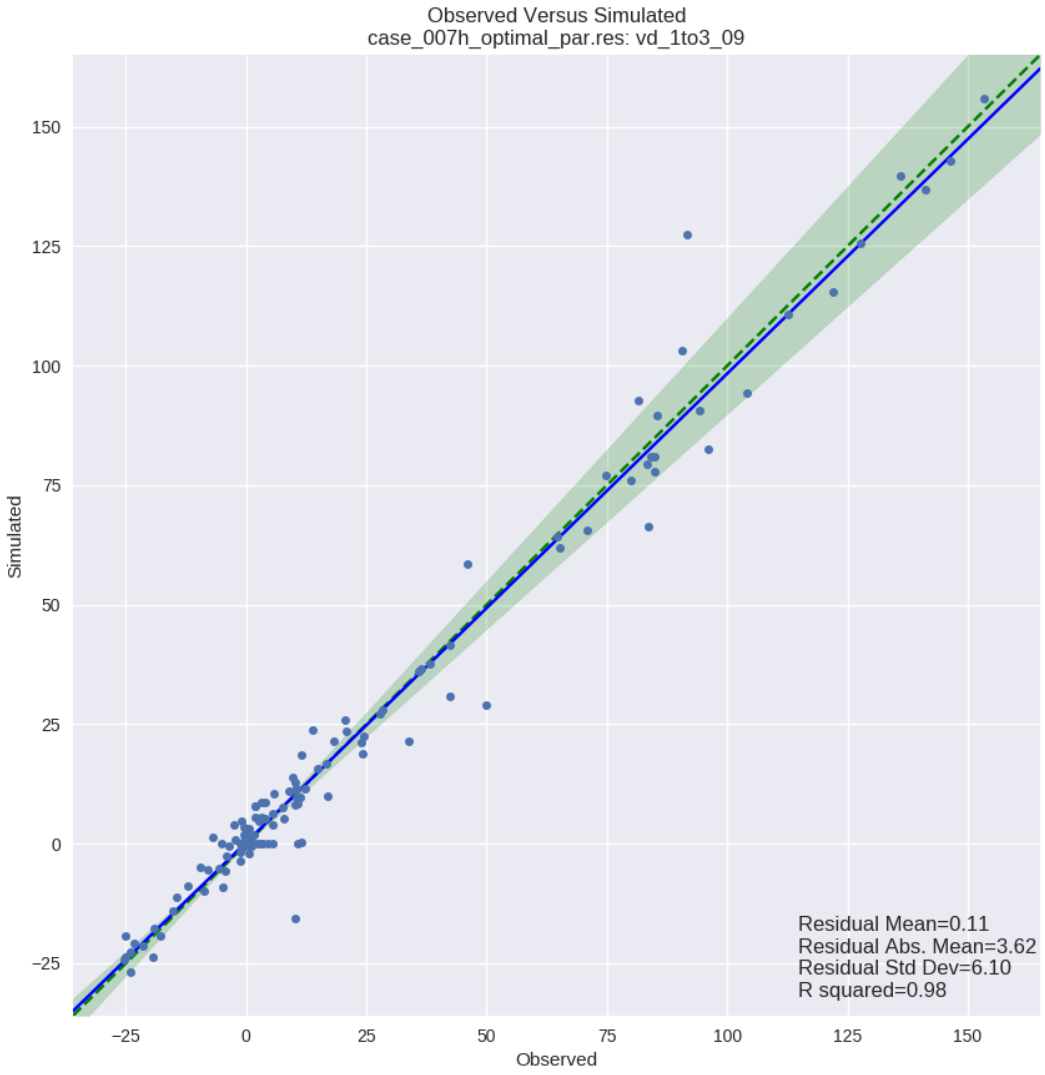


**Figure 4-20. Observed versus Simulated Vertical Head Differences (Feet), Model Layers 1 and 3, 2009**

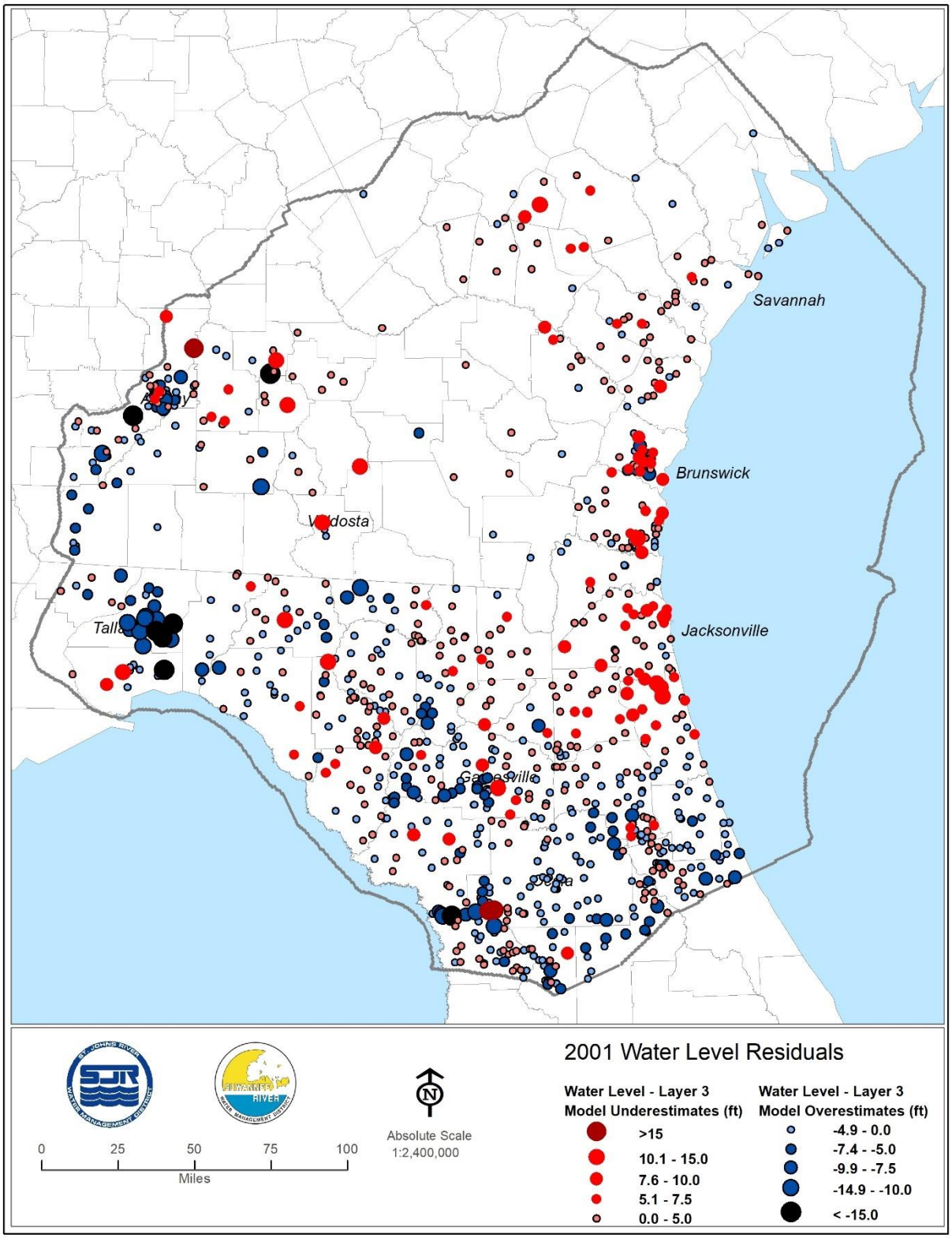


**Figure 4-21. Residuals of Hydraulic Head (Feet), Model Layer 3, 2001**

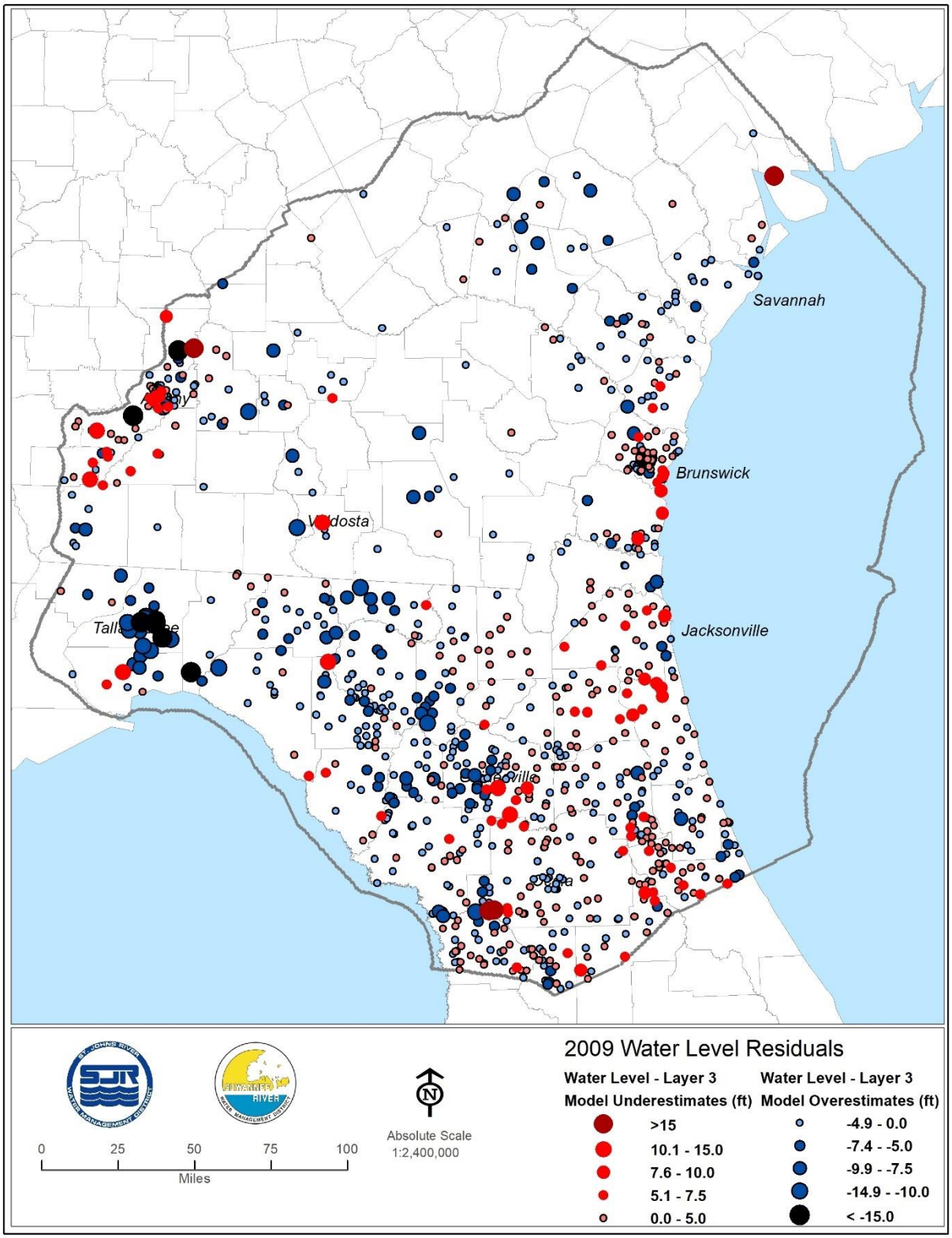


**Figure 4-22. Residuals of Hydraulic Head (Feet), Model Layer 3, 2009**

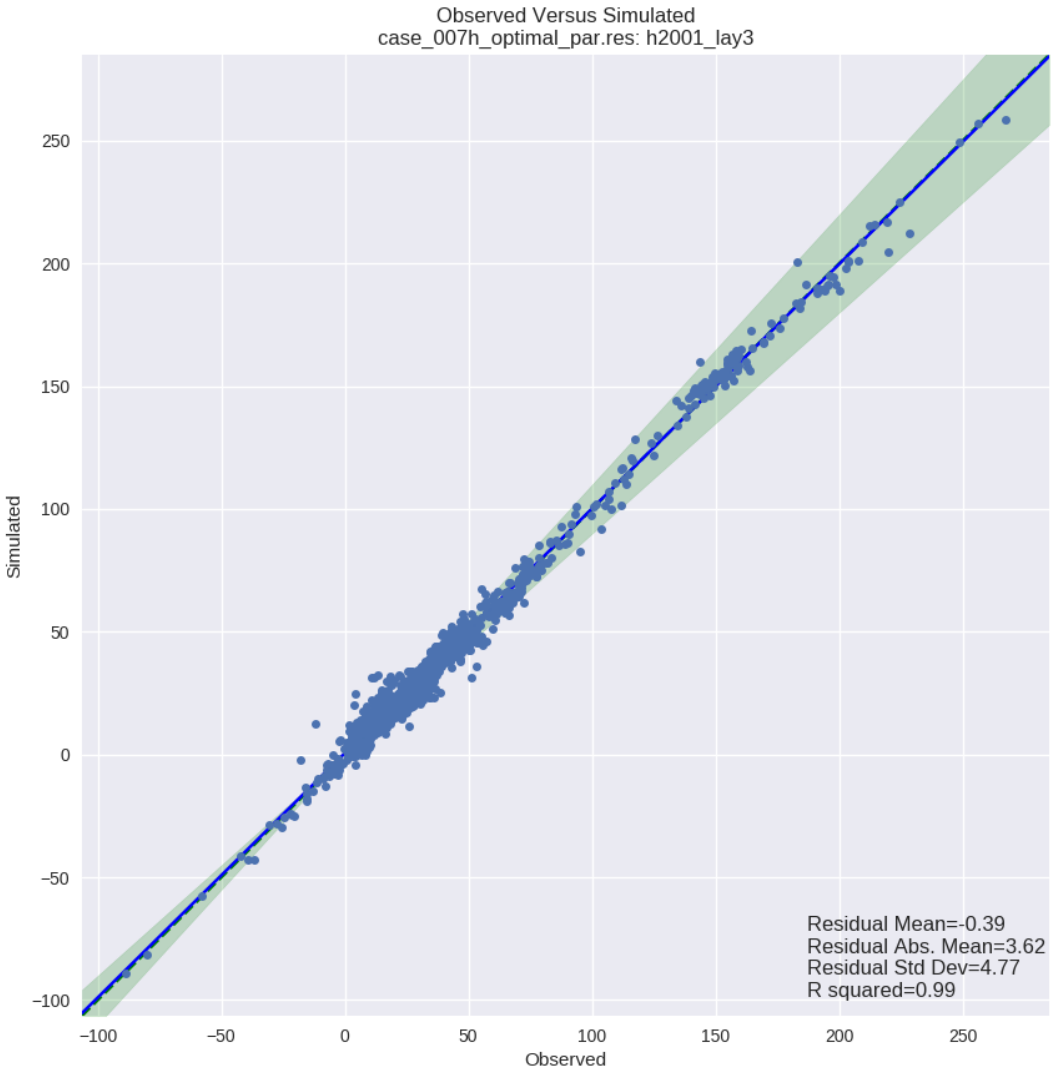


**Figure 4-23. Observed versus Simulated Hydraulic Head (Feet NAVD88), Model Layer 3, 2001**

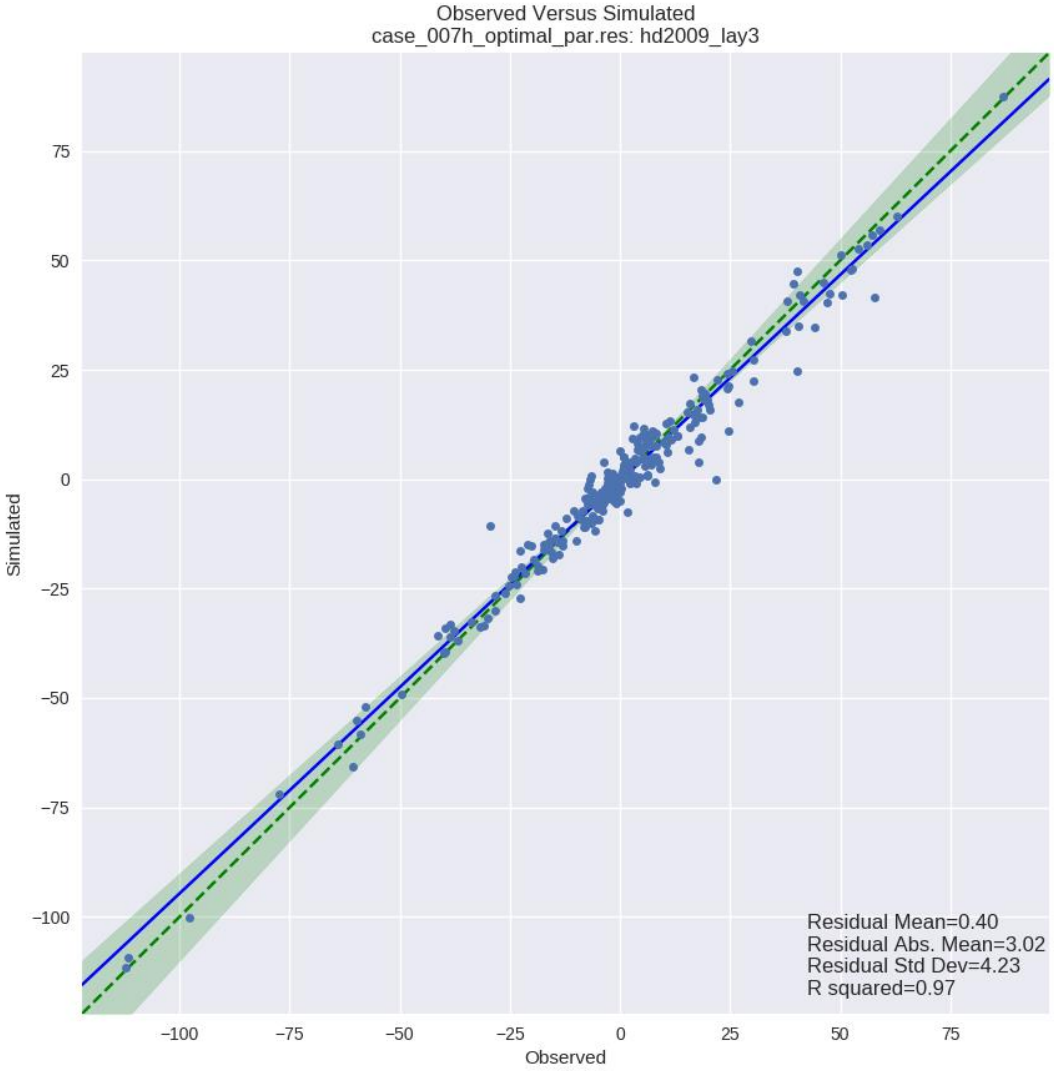


**Figure 4-24. Observed versus Simulated Hydraulic Head (Feet NAVD88), Model Layer 3, 2009**

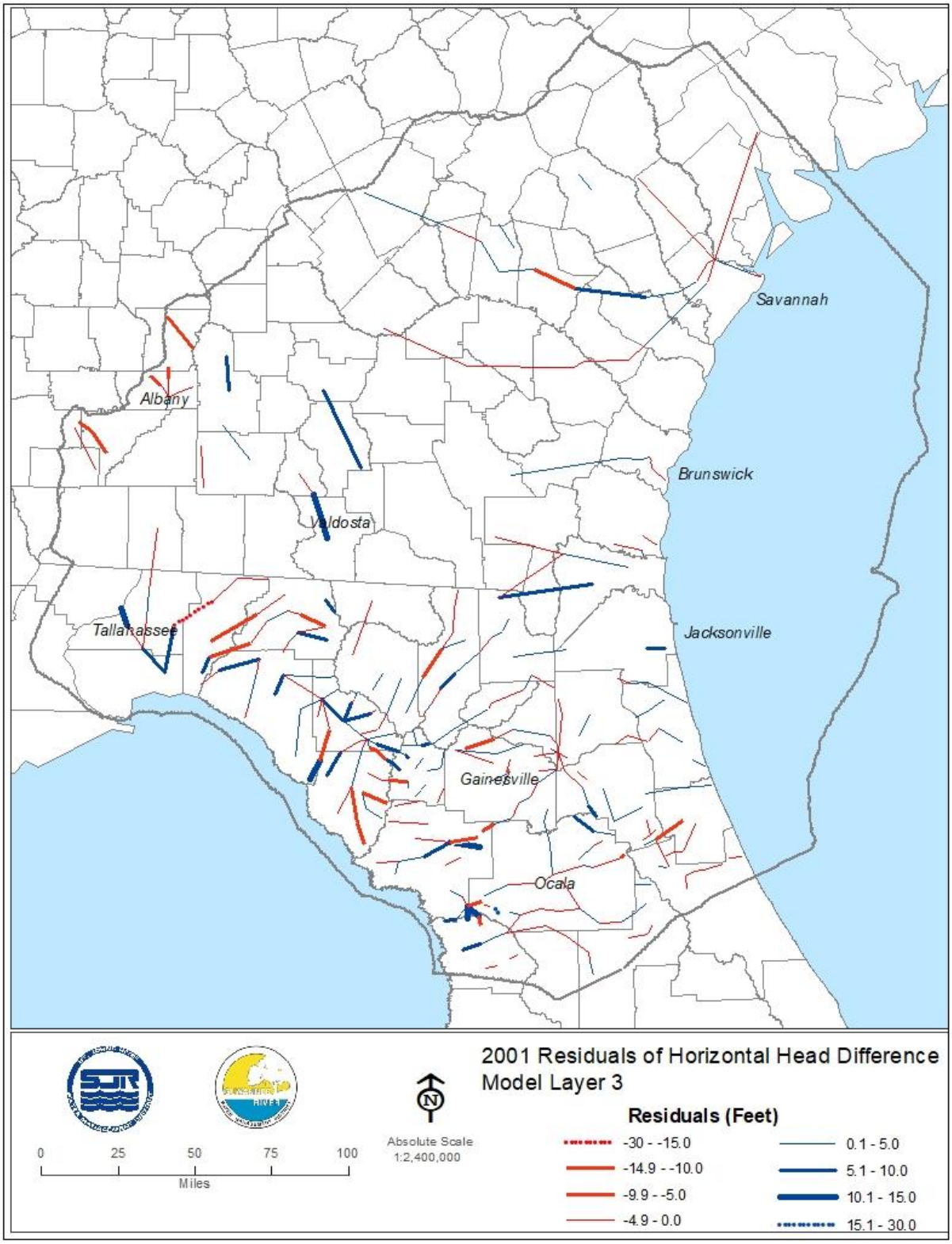


**Figure 4-25. Residuals of Horizontal Head Differences (Feet), Model Layer 3, 2001**

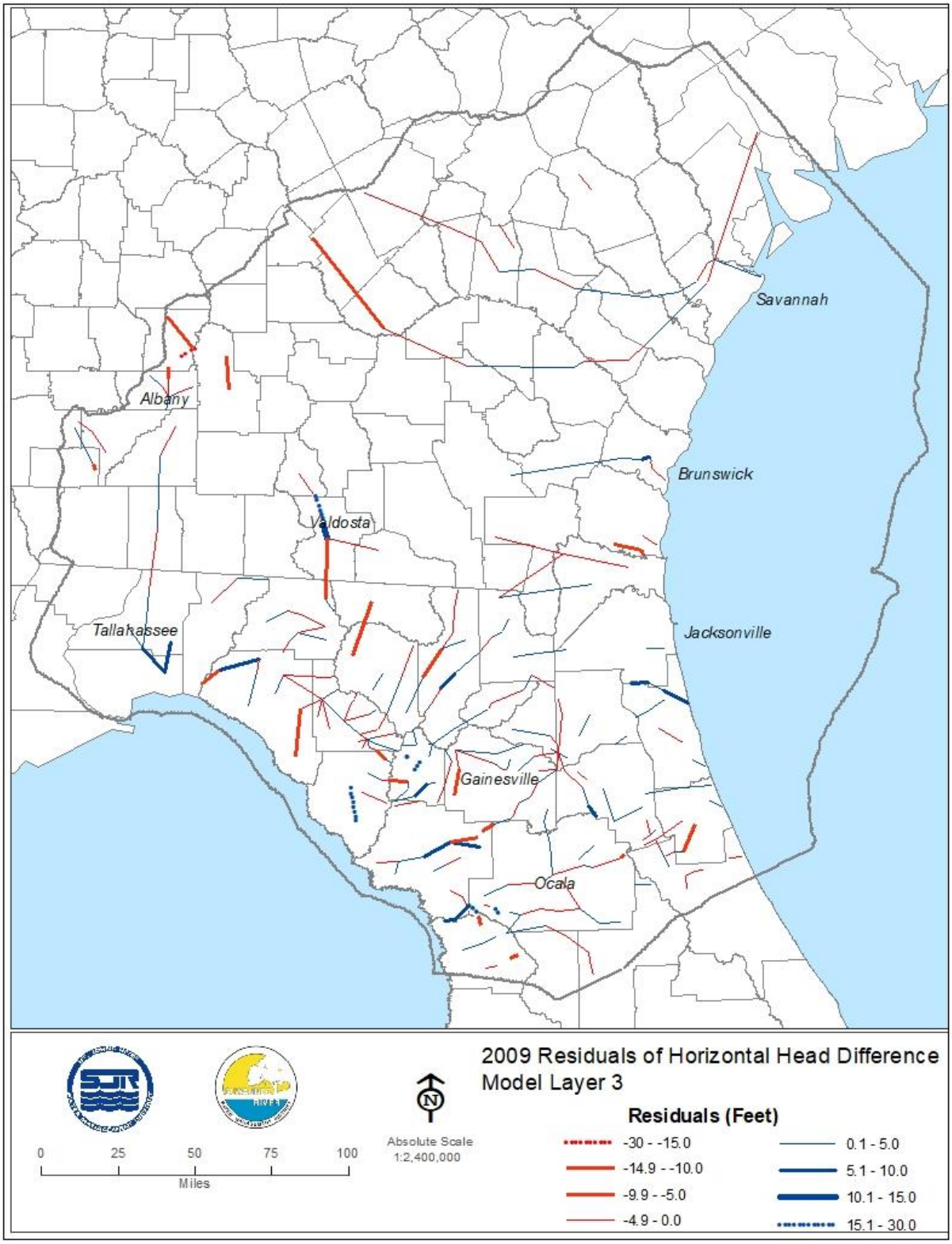


**Figure 4-26. Residuals of Horizontal Head Differences (Feet), Model Layer 3, 2009**

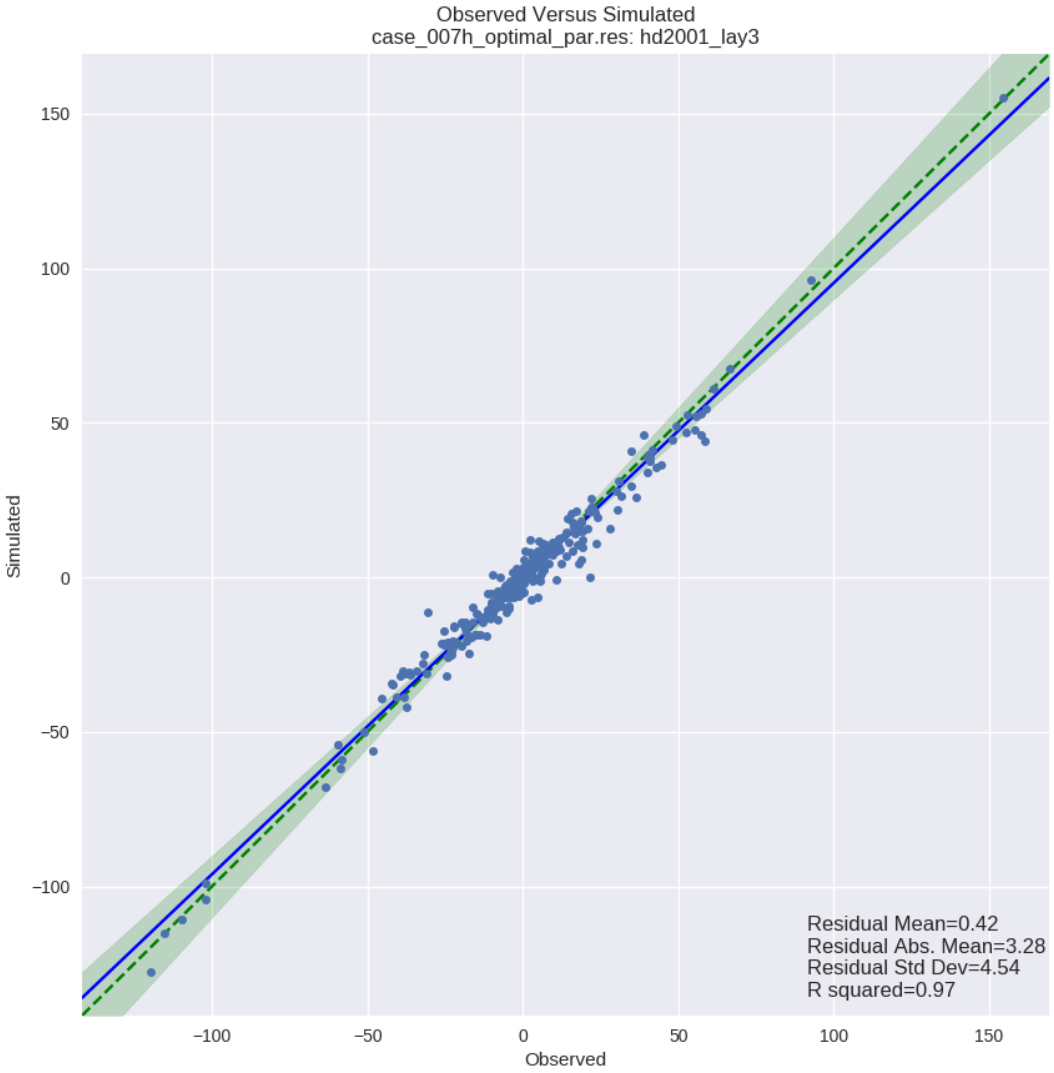


**Figure 4-27. Observed versus Simulated Horizontal Head Differences (Feet), Model Layer 3, 2001**

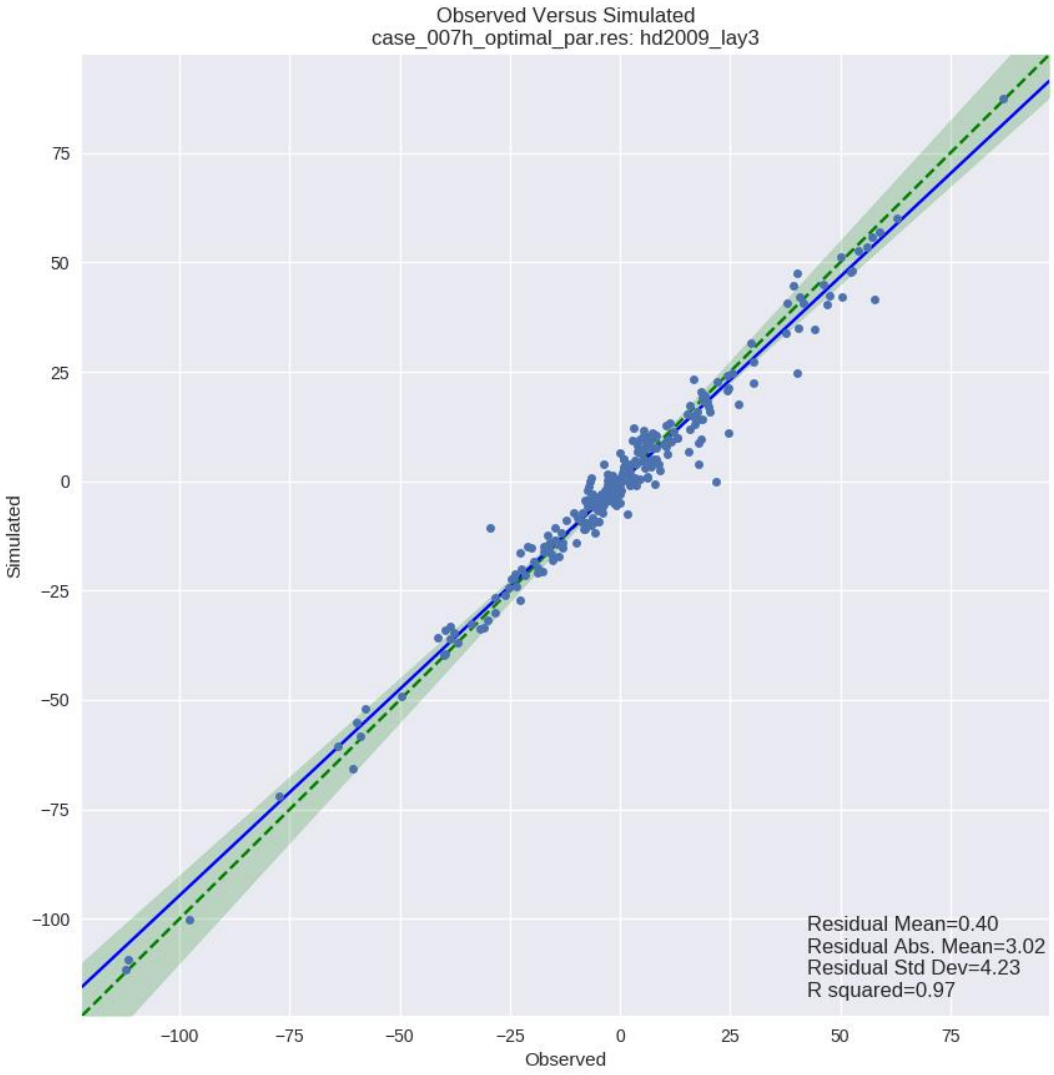


**Figure 4-28. Observed versus Simulated Horizontal Head Differences (Feet), Model Layer 3, 2009**

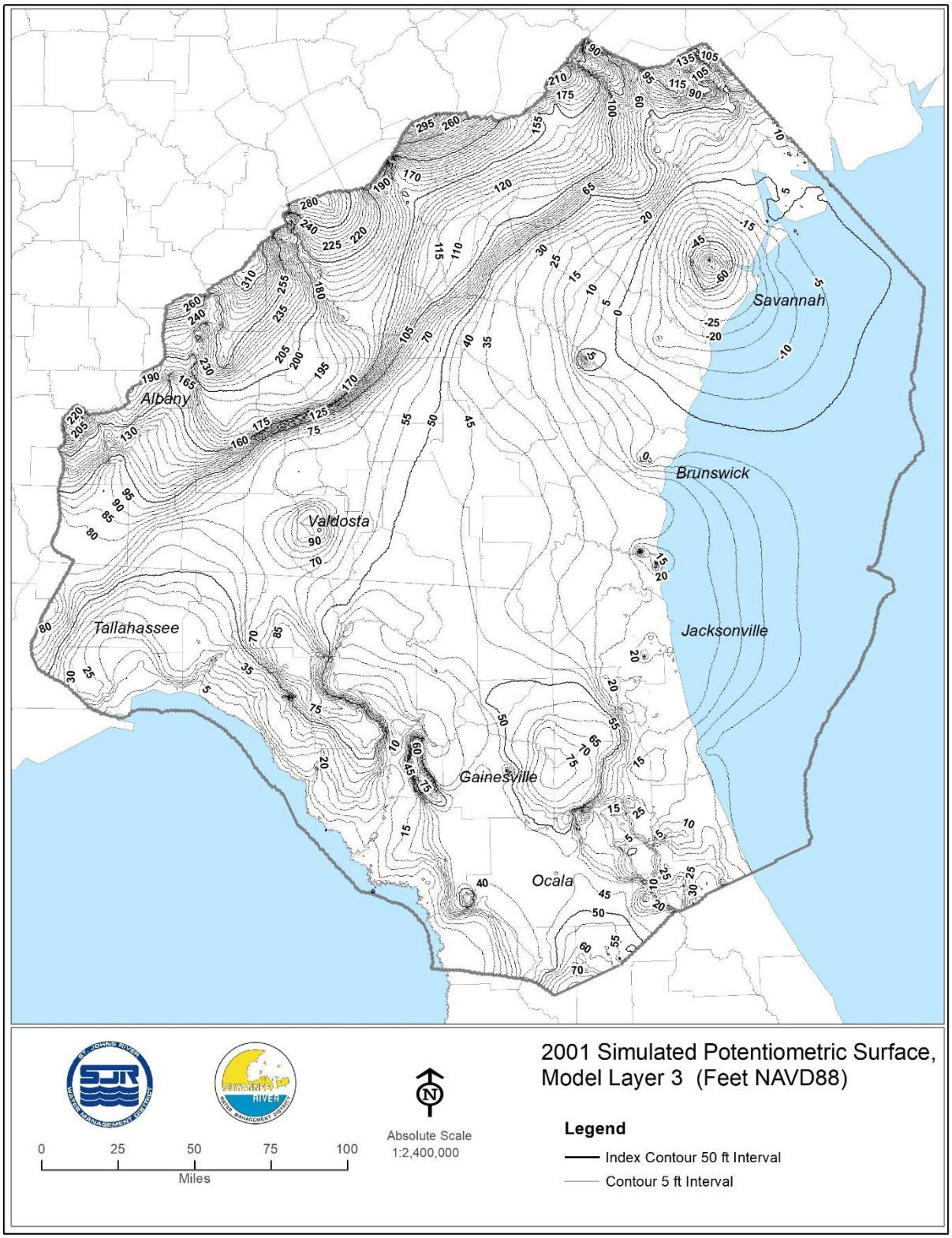


**Figure 4-29. Simulated Potentiometric Surface, Model Layer 3 (Feet NAVD88), 2001**

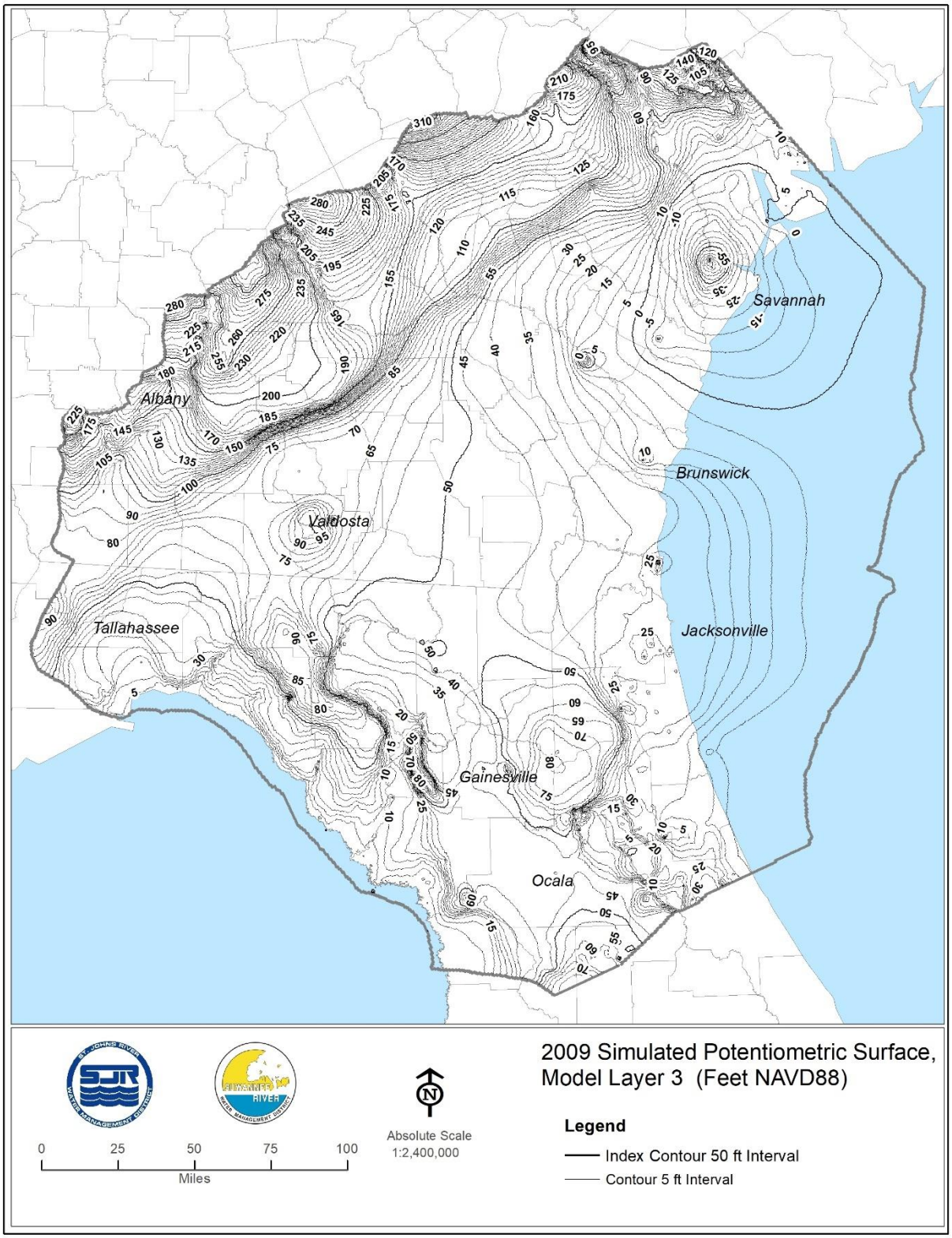


**Figure 4-30. Simulated Potentiometric Surface, Model Layer 3 (Feet NAVD88), 2009**

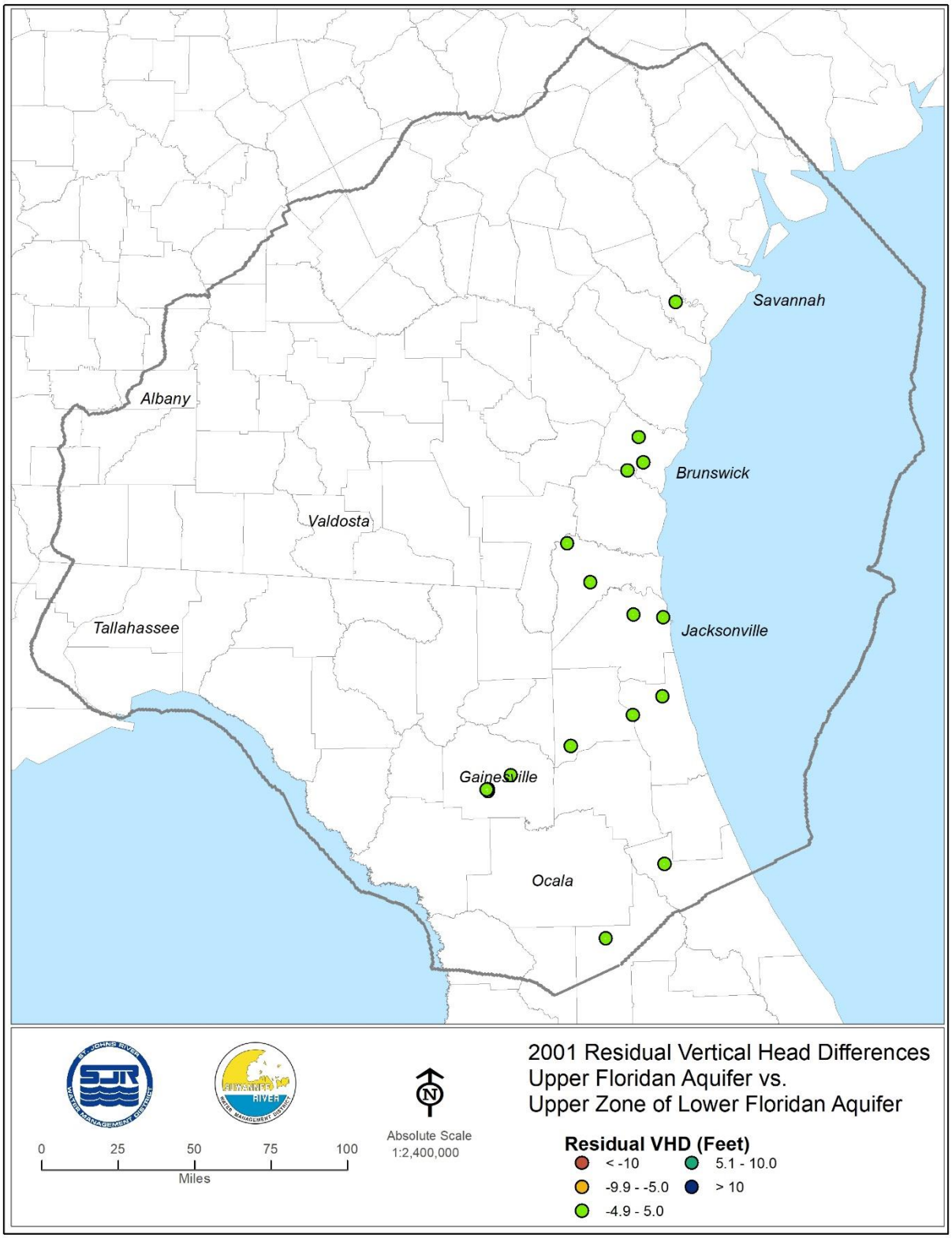


**Figure 4-31. Residuals of Vertical Head Differences (Feet), Model Layers 3 and 5, 2001**

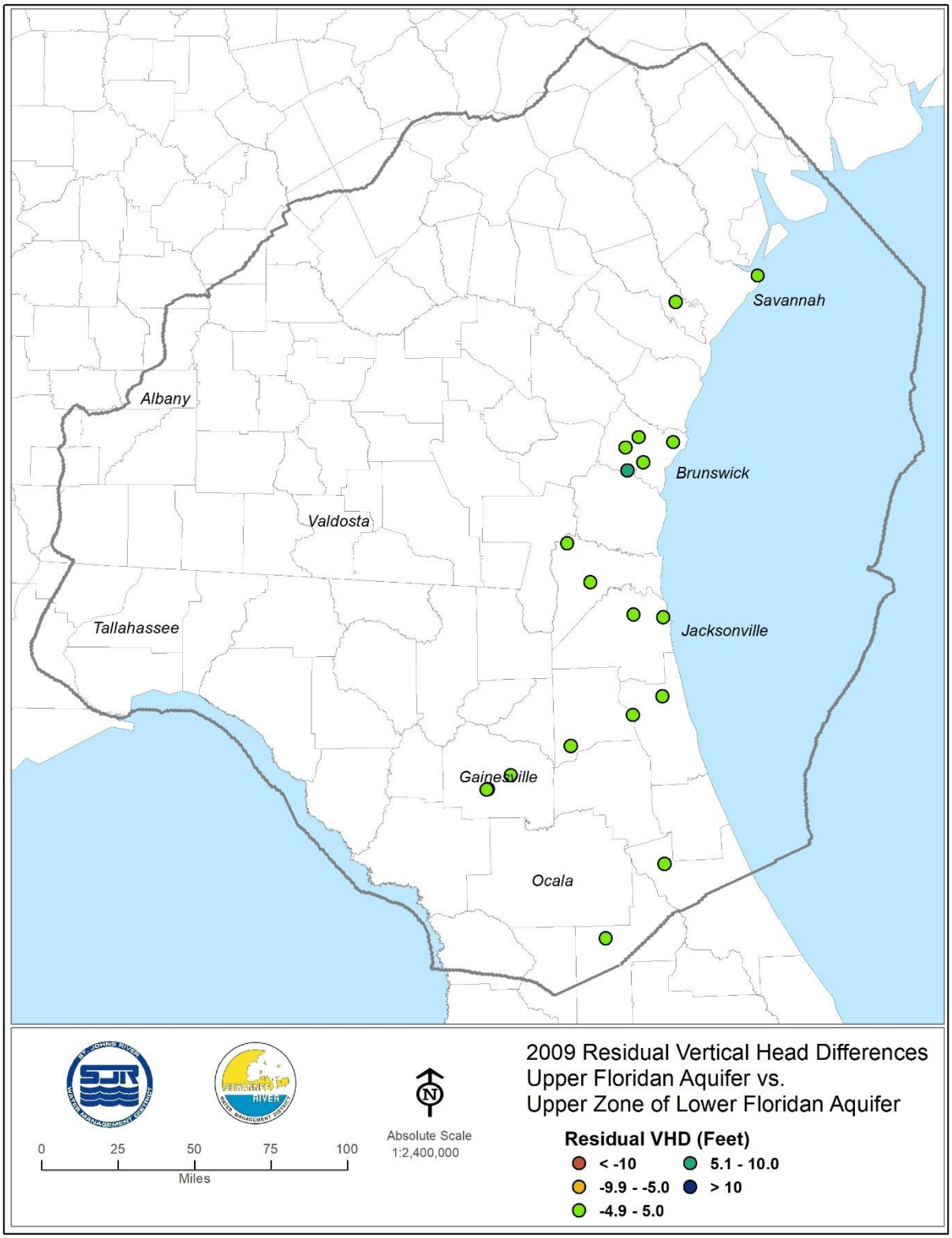


**Figure 4-32. Residuals of Vertical Head Differences (Feet), Model Layers 3 and 5, 2009**

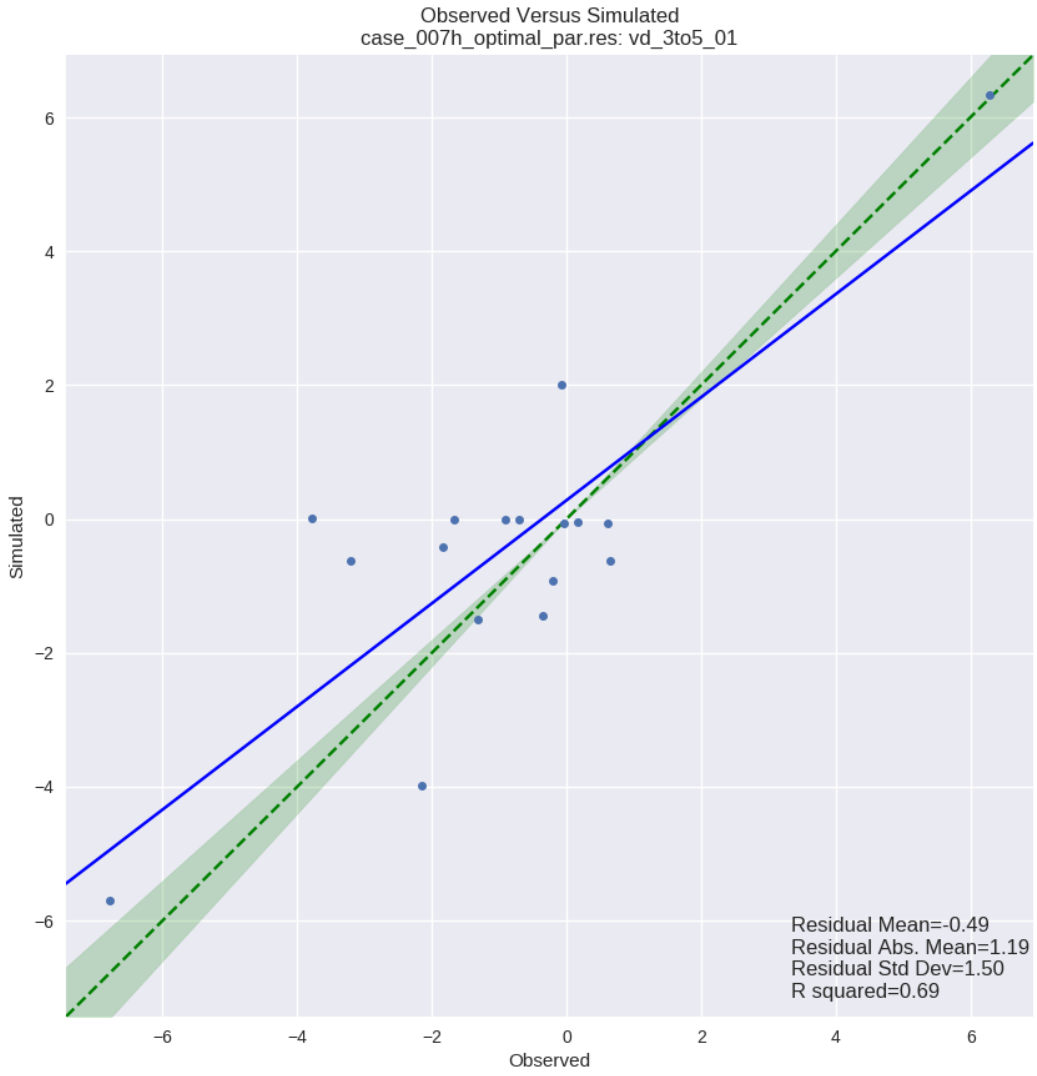


**Figure 4-33. Observed versus Simulated Vertical Head Differences (Feet), Model Layers 3 and 5, 2001**

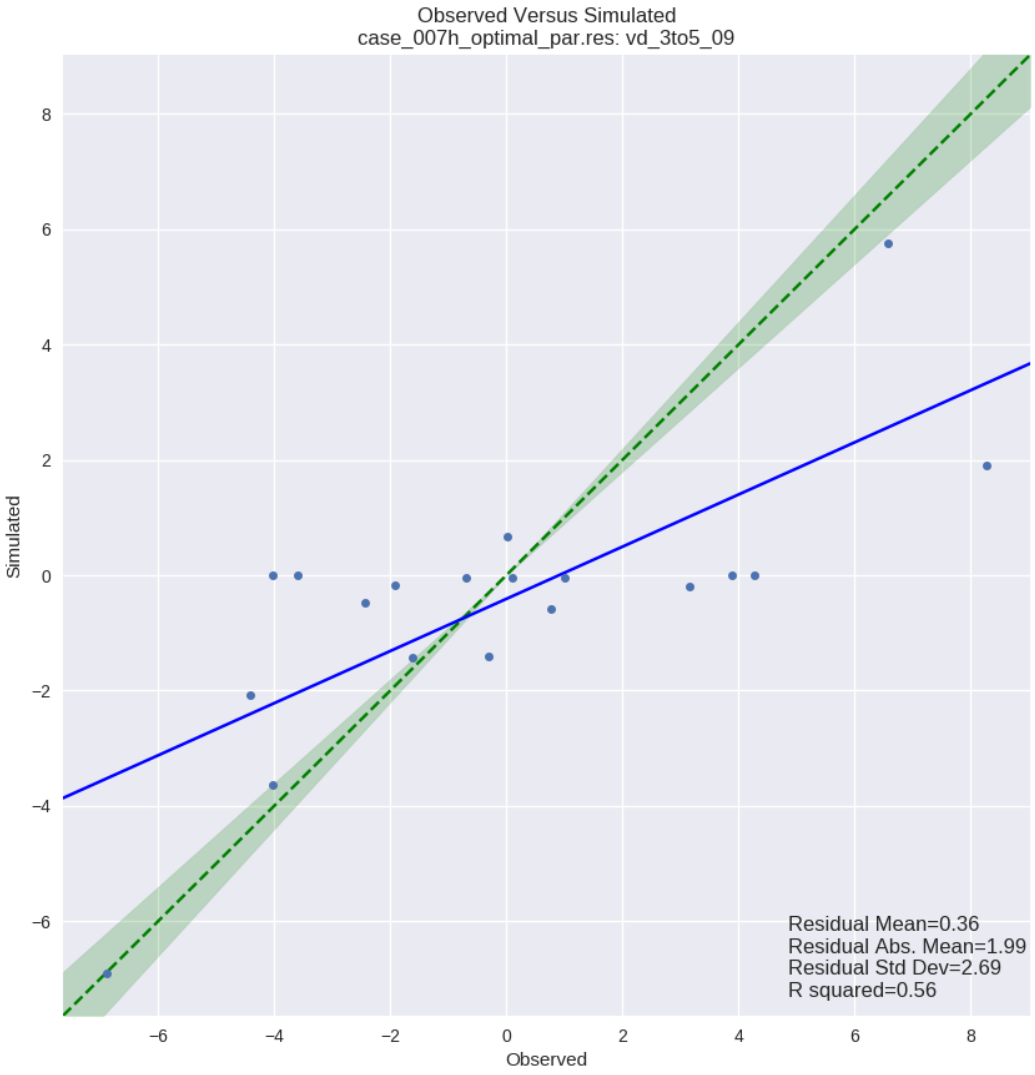


**Figure 4-34. Observed versus Simulated Vertical Head Differences (Feet), Model Layers 3 and 5, 2009**

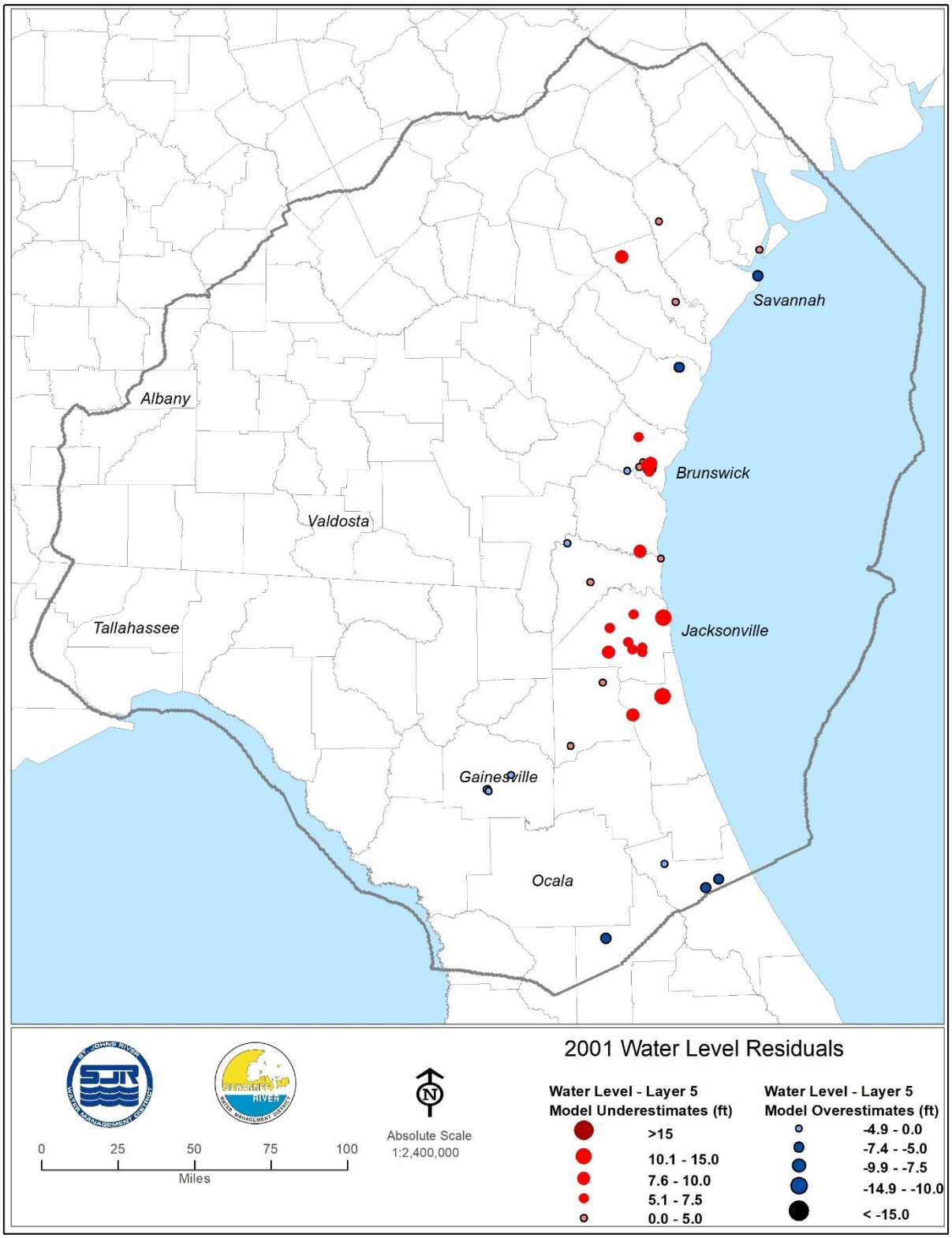


**Figure 4-35. Residuals of Hydraulic Head (Feet), Model Layer 5, 2001**

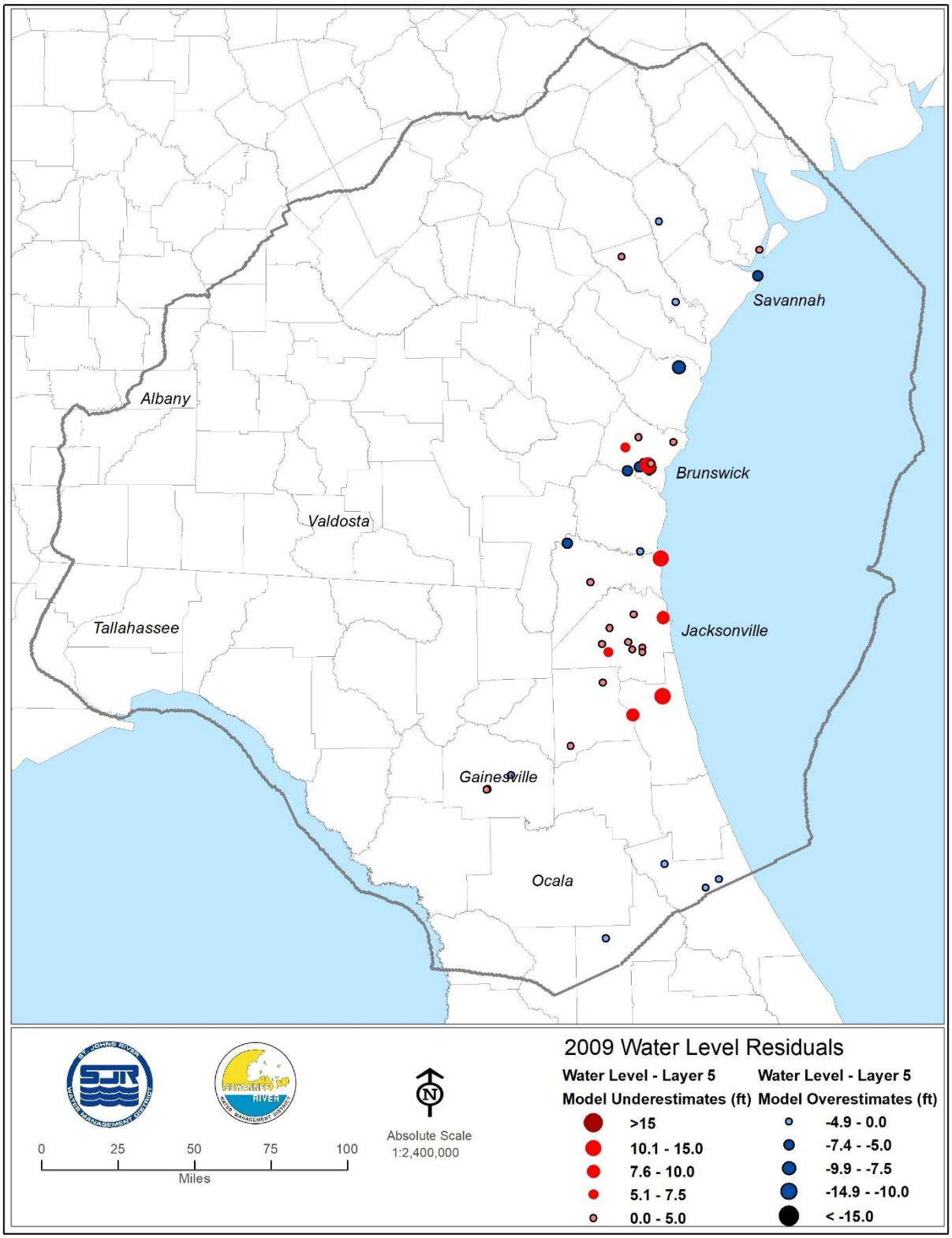


**Figure 4-36. Residuals of Hydraulic Head (Feet), Model Layer 5, 2009**

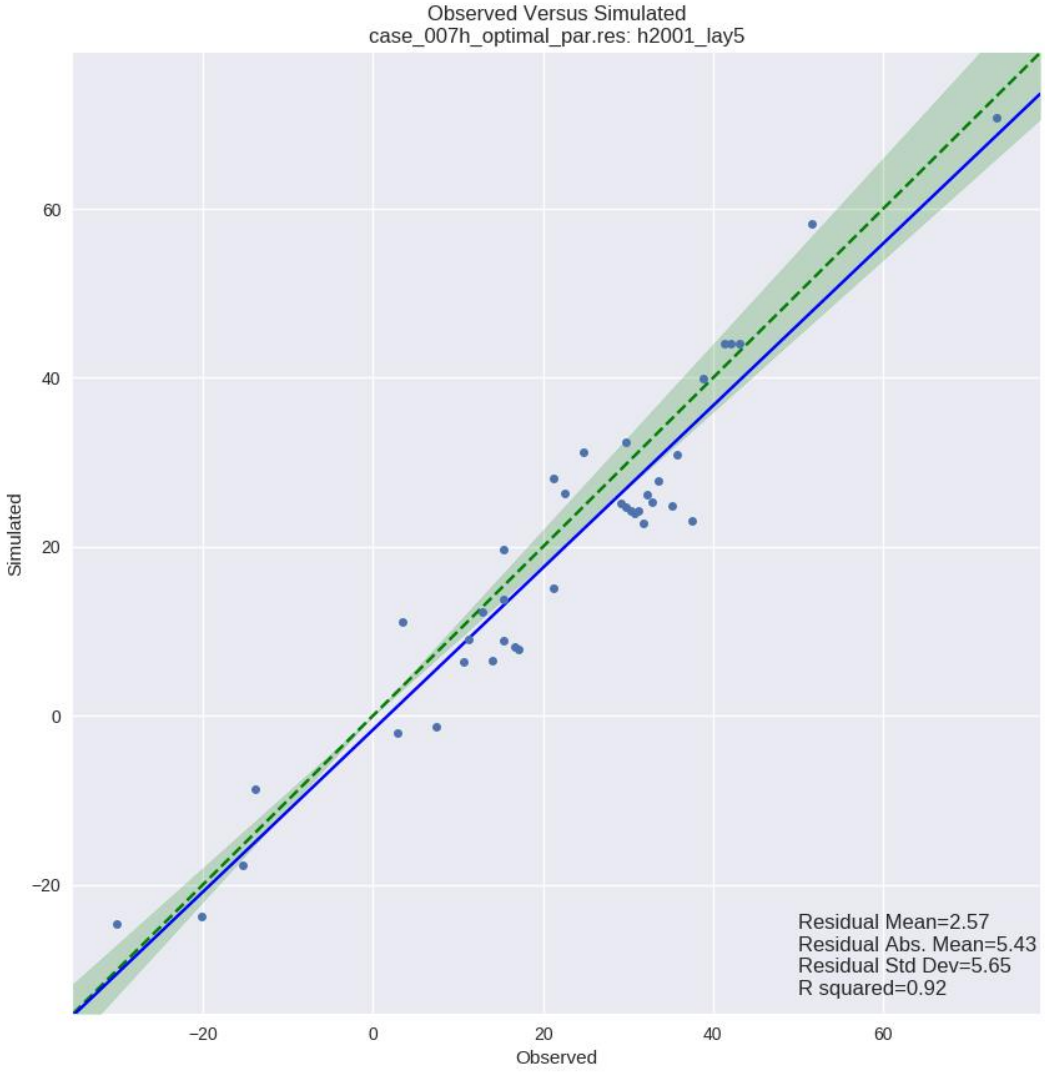


**Figure 4-37. Observed versus Simulated Hydraulic Head (Feet NAVD88), Model Layer 5, 2001**

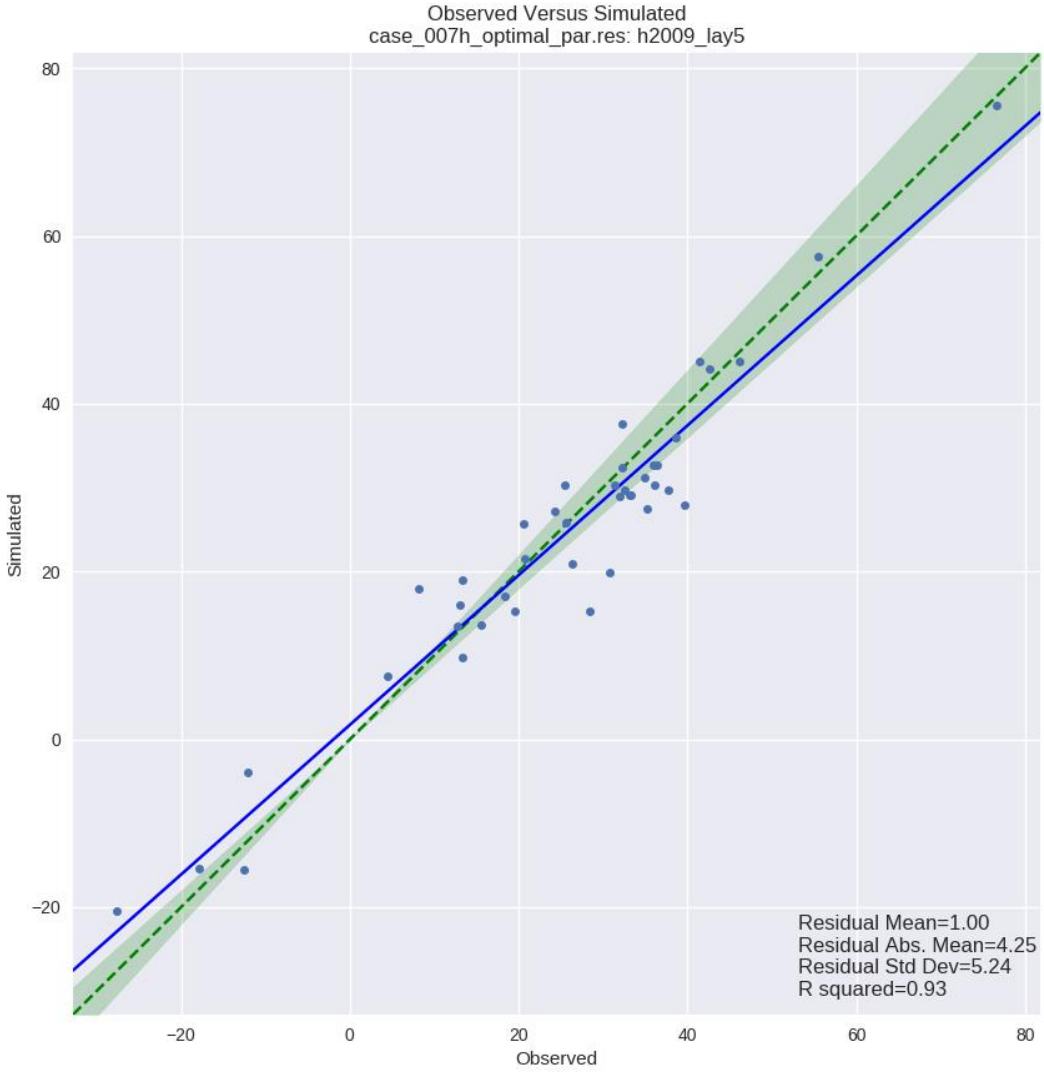


**Figure 4-38. Observed versus Simulated Hydraulic Head (Feet NAVD88), Model Layer 5, 2009**

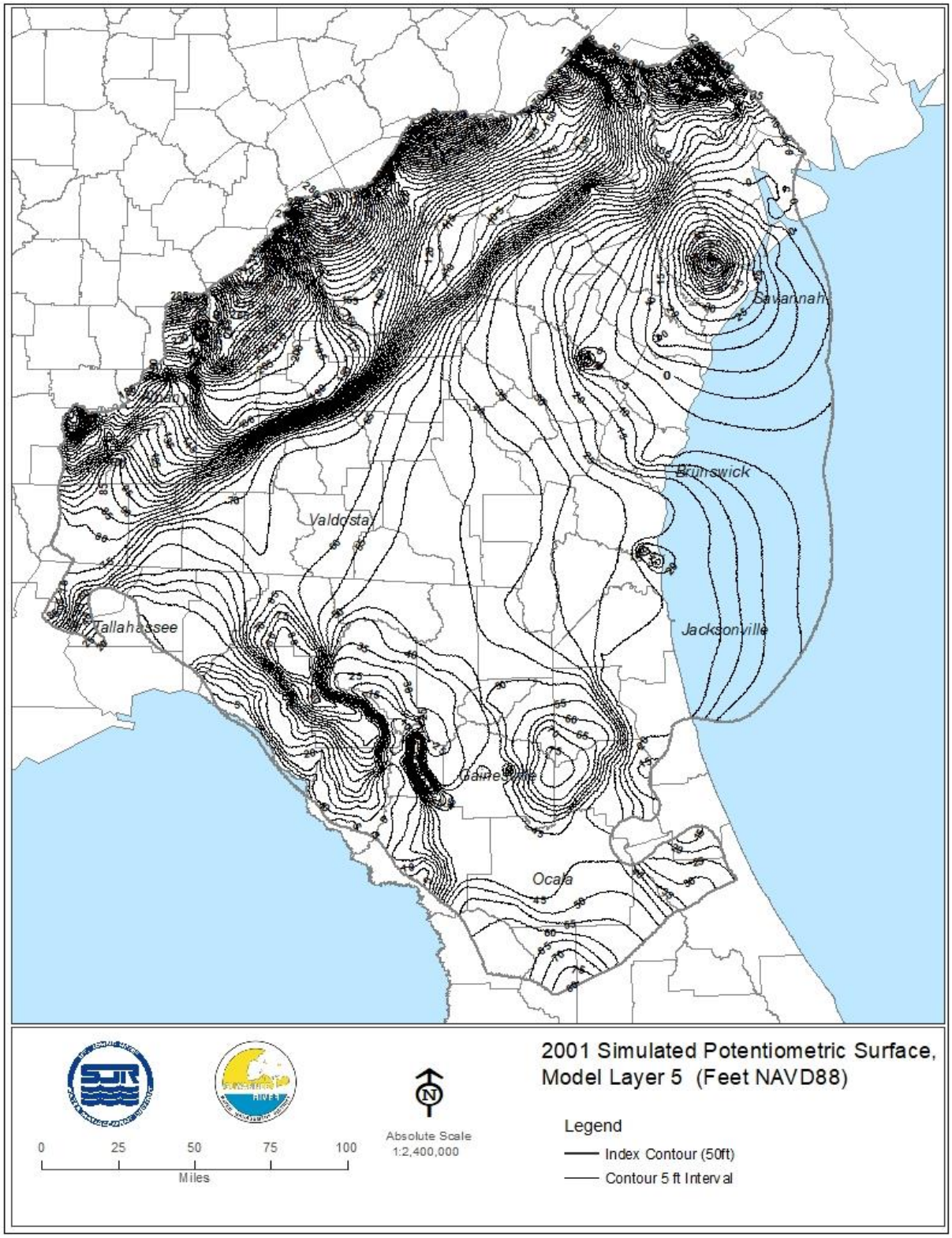


**Figure 4-39. Simulated Potentiometric Surface, Model Layer 5 (Feet NAVD88), 2001**

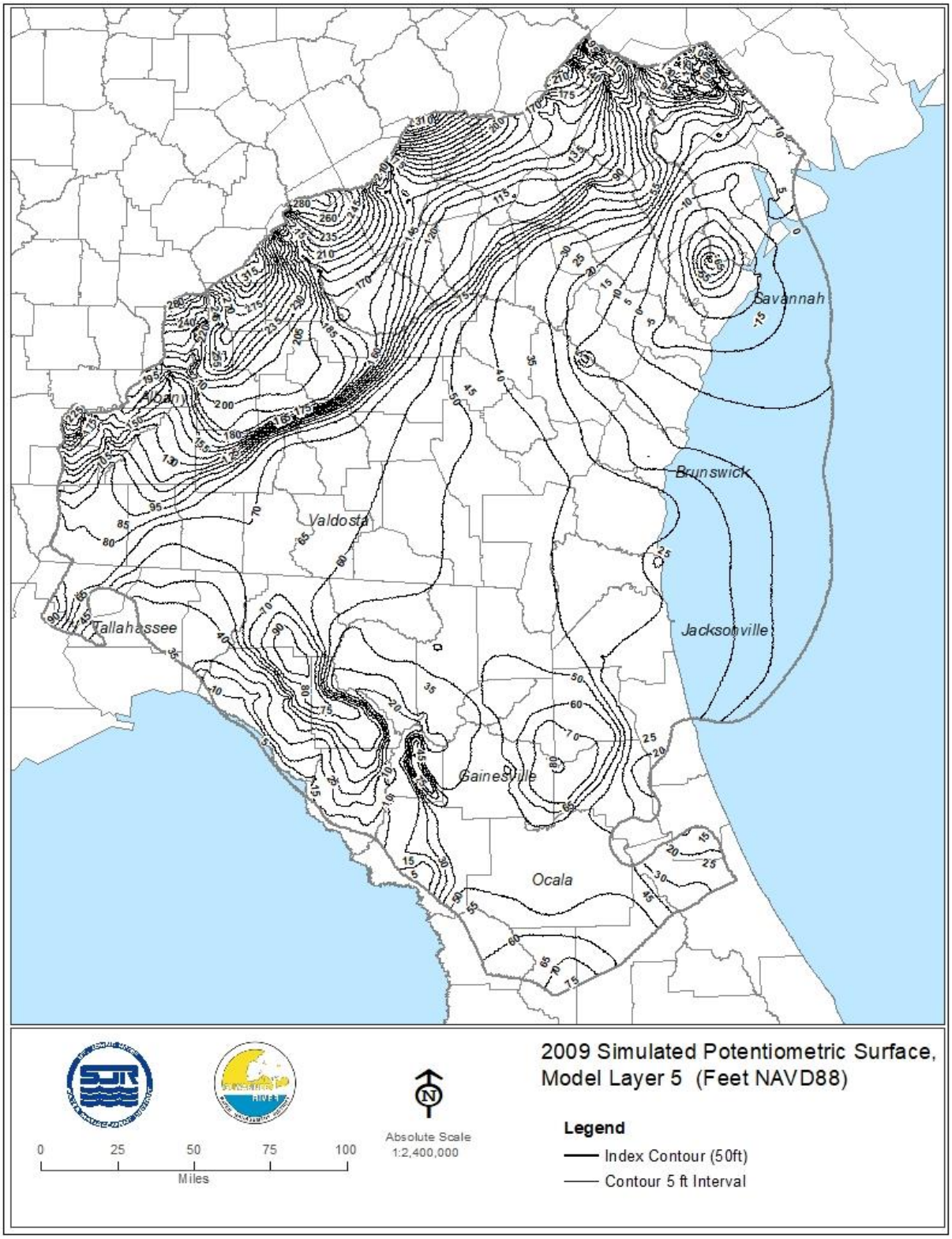


**Figure 4-40. Simulated Potentiometric Surface, Model Layer 5 (Feet NAVD88), 2009**

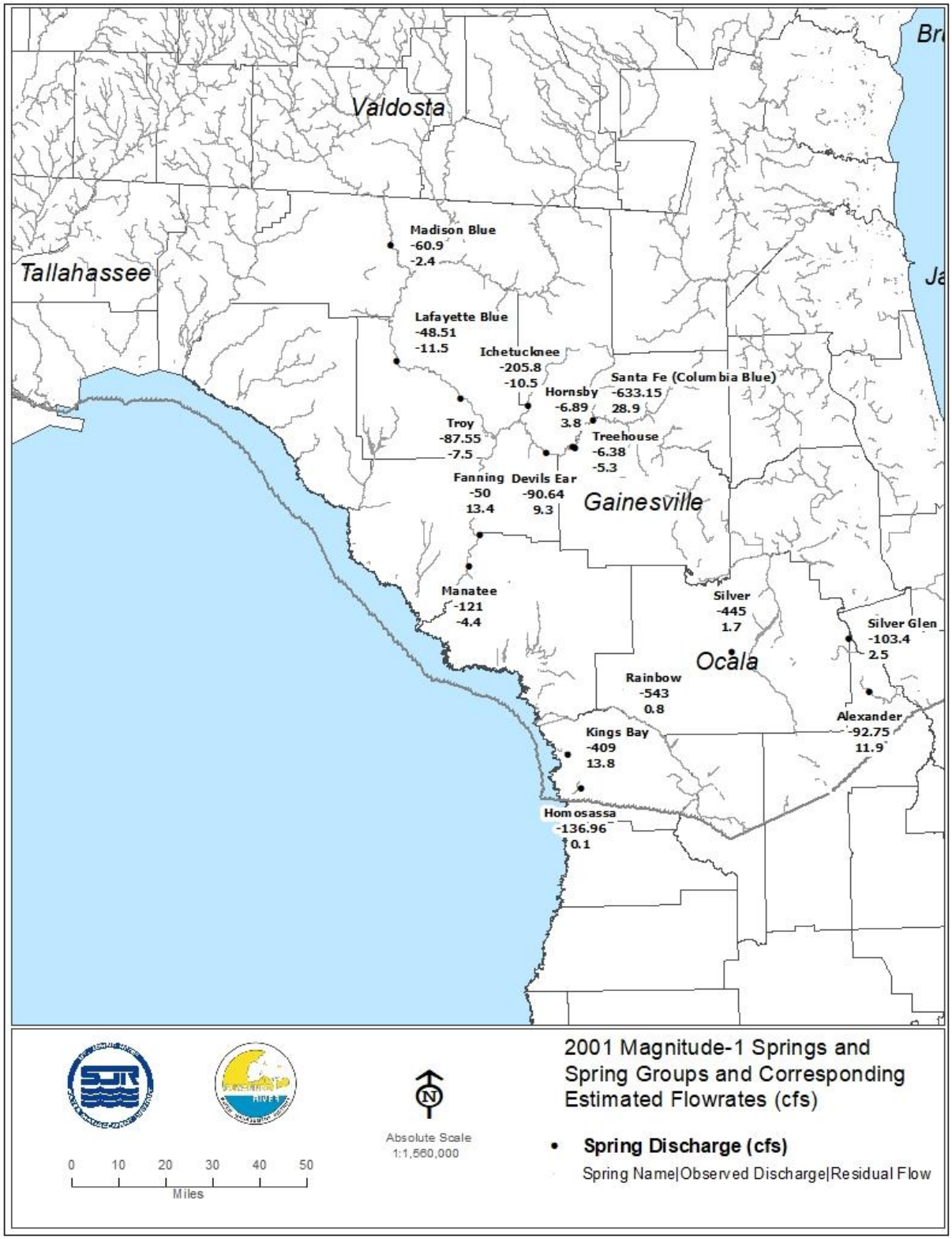


**Figure 4-41. Magnitude 1 Springs and Spring Groups and Corresponding Estimated Flowrates and Flowrate Residuals (cfs), 2001**

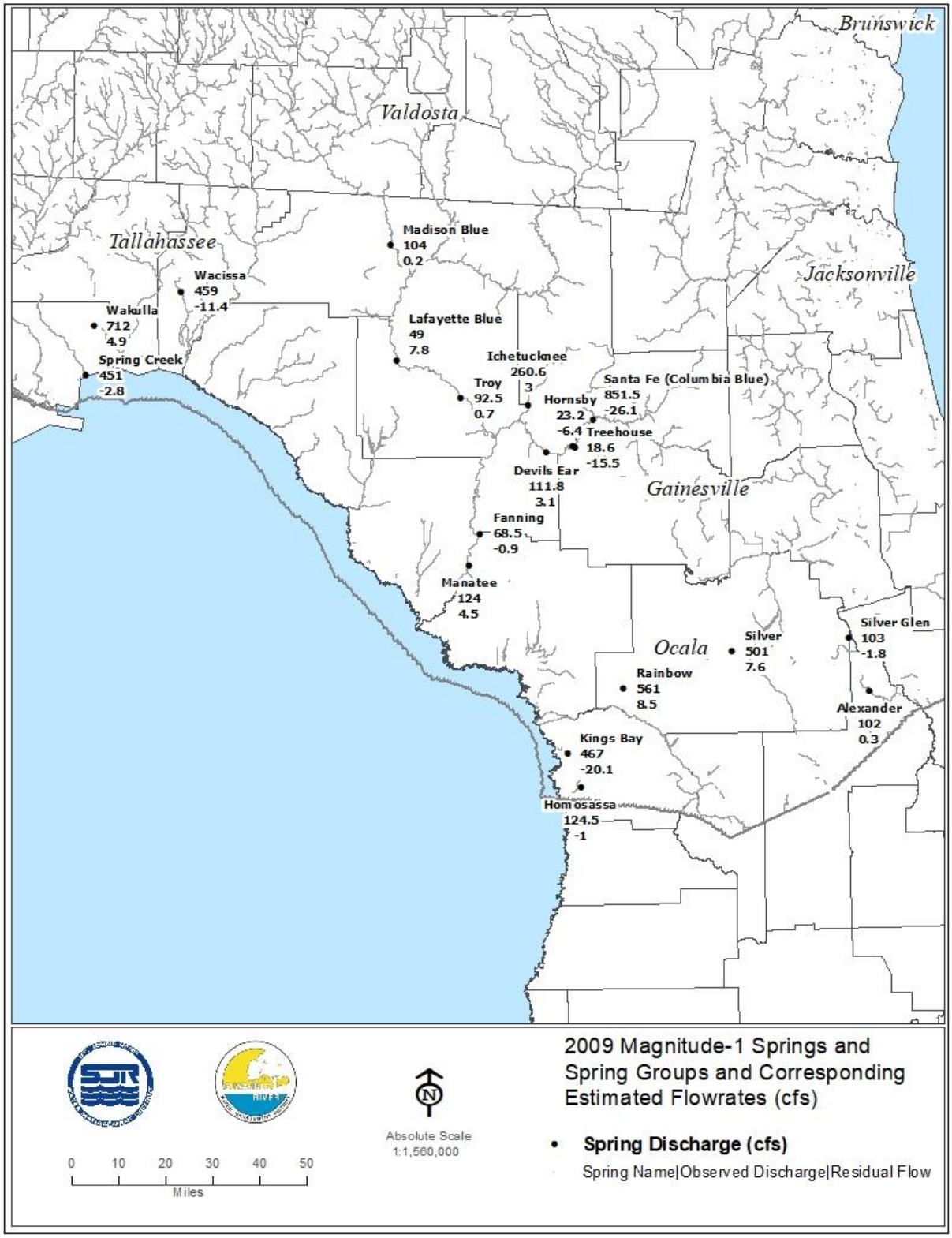


**Figure 4-42. Magnitude 1 Springs and Spring Groups and Corresponding Estimated Flowrates and Flowrate Residuals (cfs), 2009**

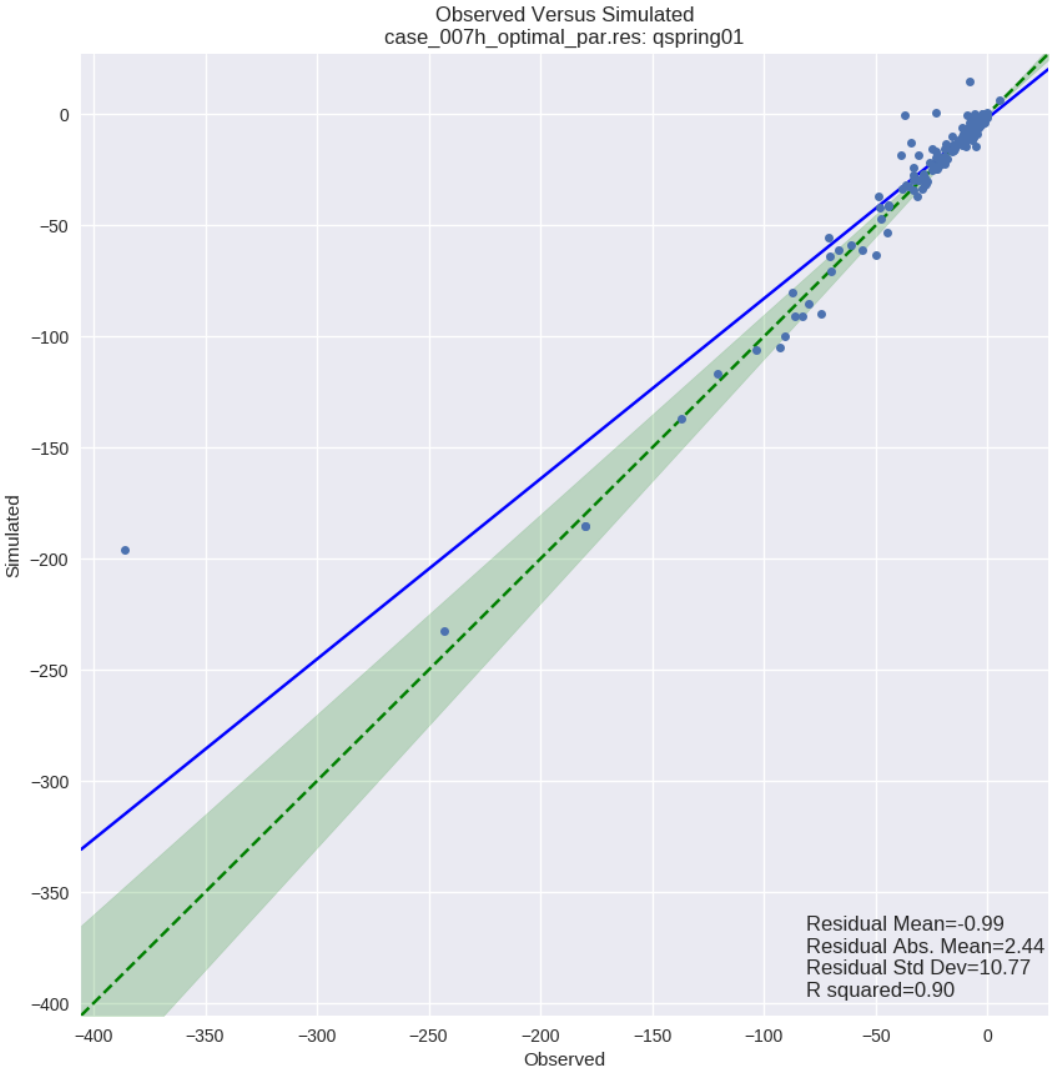


**Figure 4-43. Observed vs. Simulated Spring Discharges (cfs), 2001**

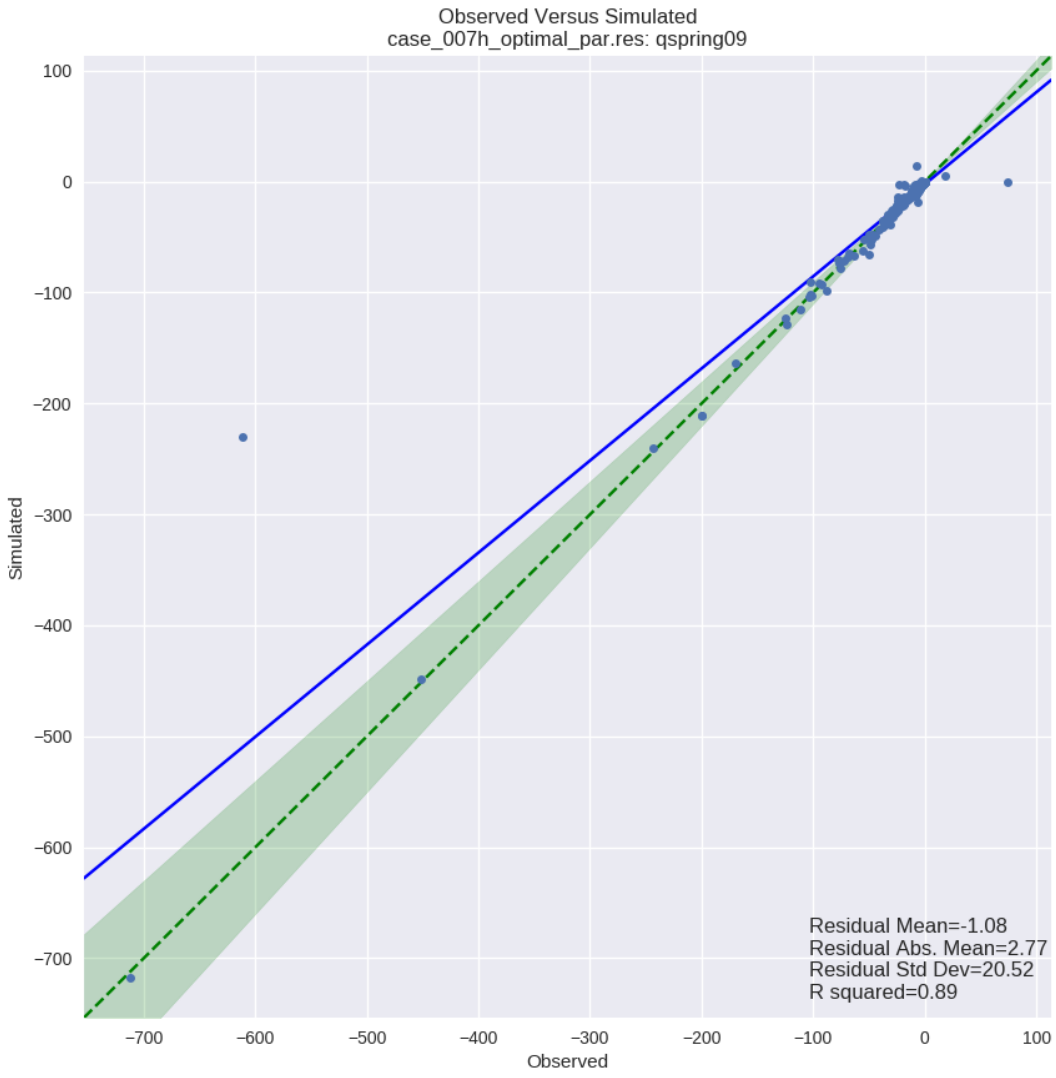


**Figure 4-44. Observed vs. Simulated Spring Discharges (cfs), 2009**

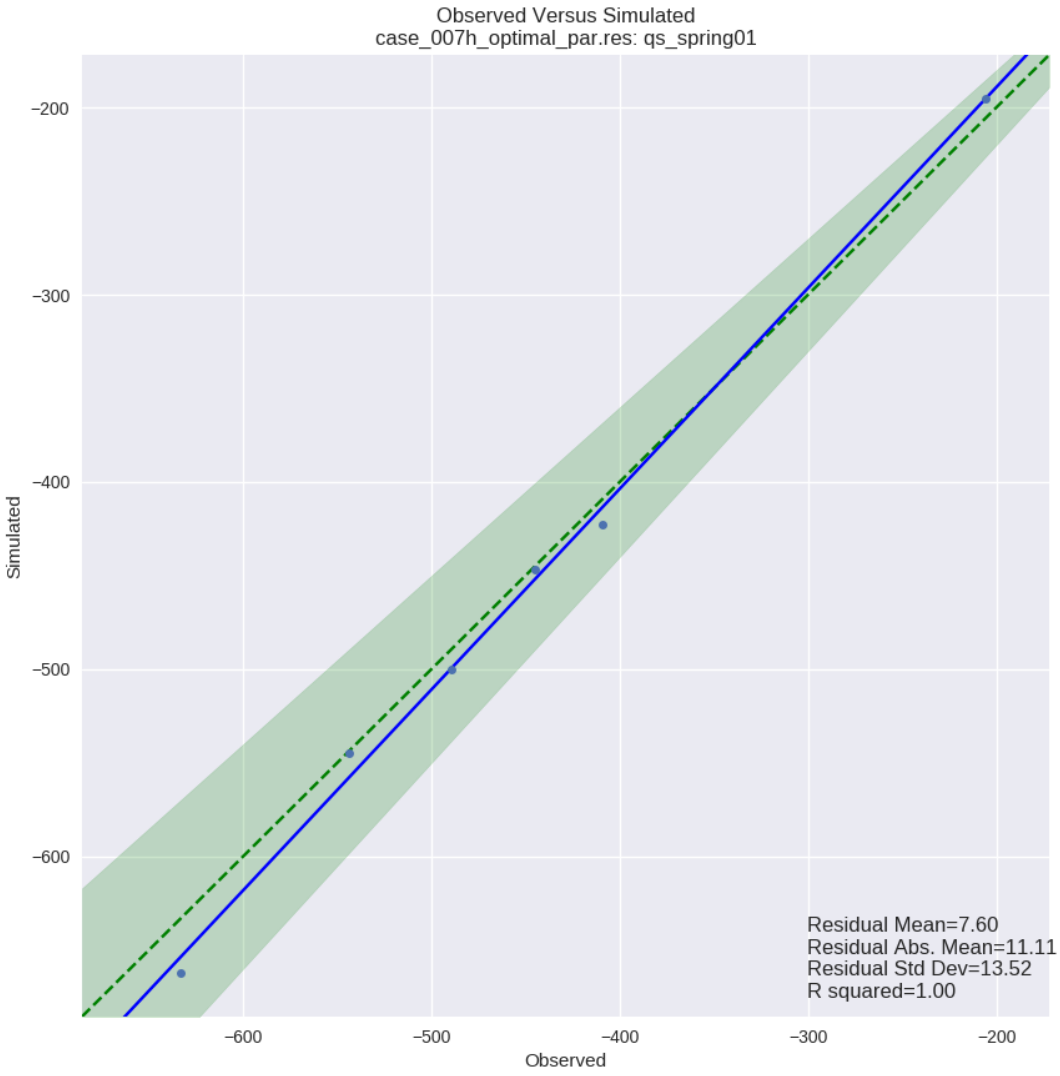


**Figure 4-45. Observed vs. Simulated Spring-Group Discharges (cfs), 2001**

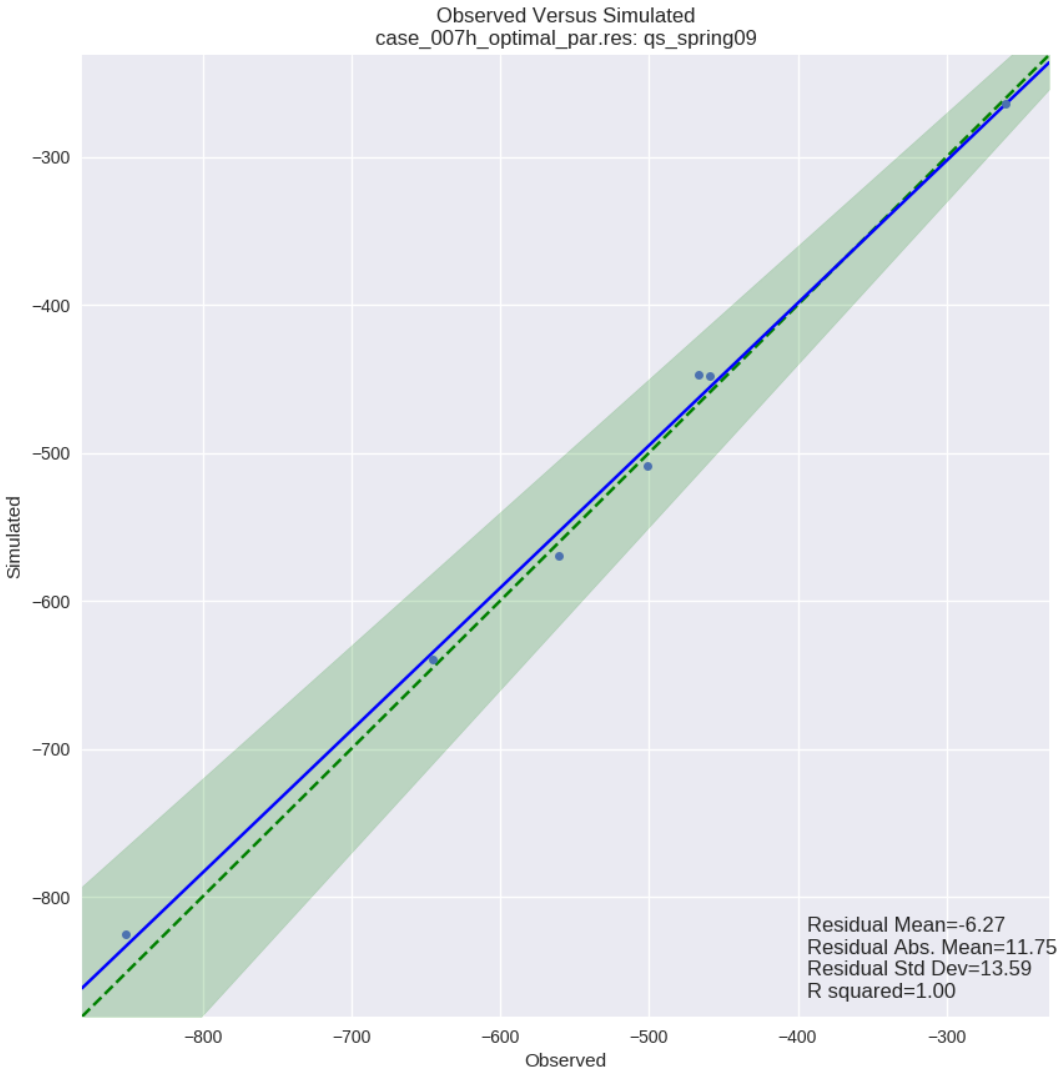


**Figure 4-46. Observed vs. Simulated Spring-Group Discharges (cfs), 2009**

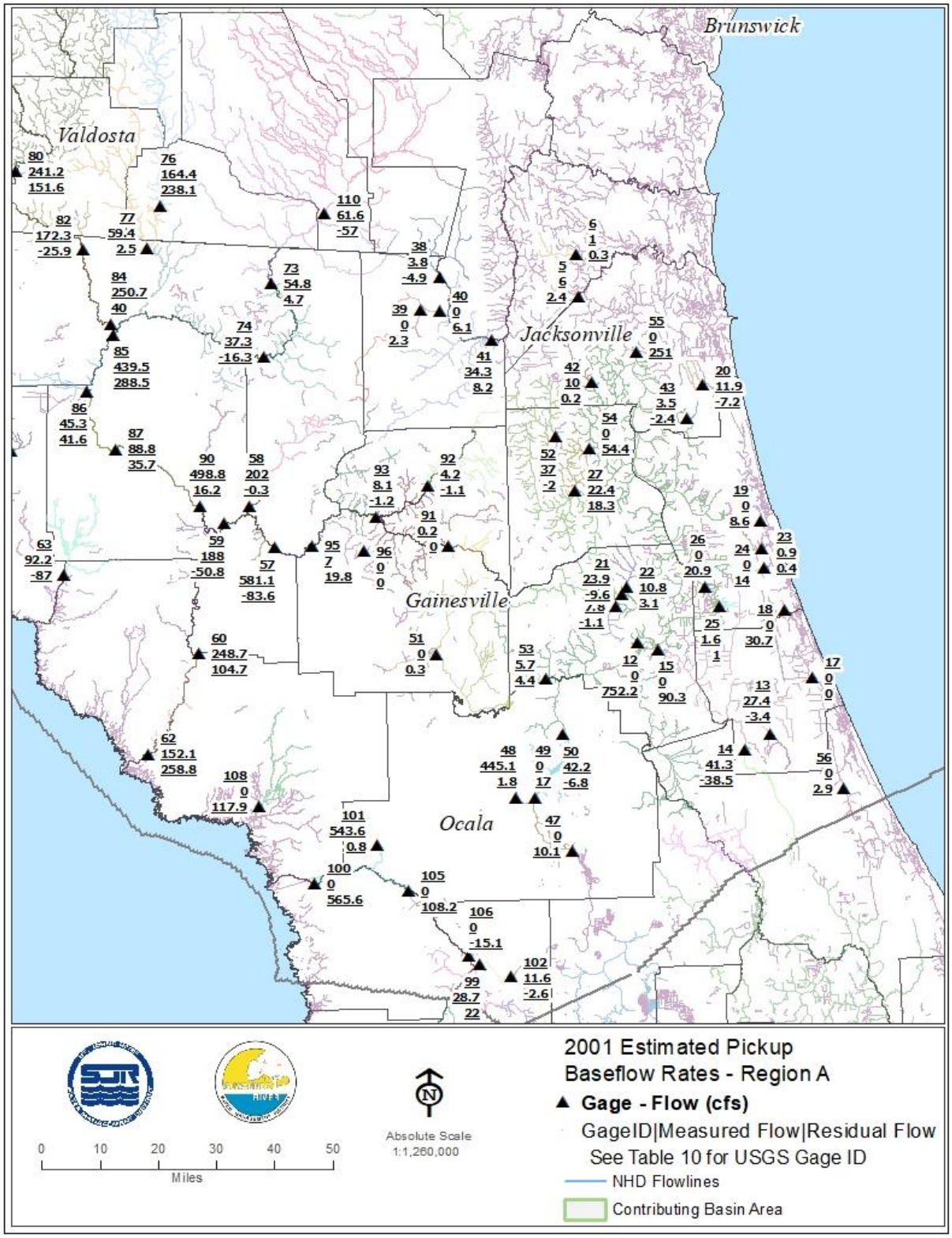


**Figure 4-47. Estimated Baseflow Pickup Residuals (cfs), Region A, 2001**

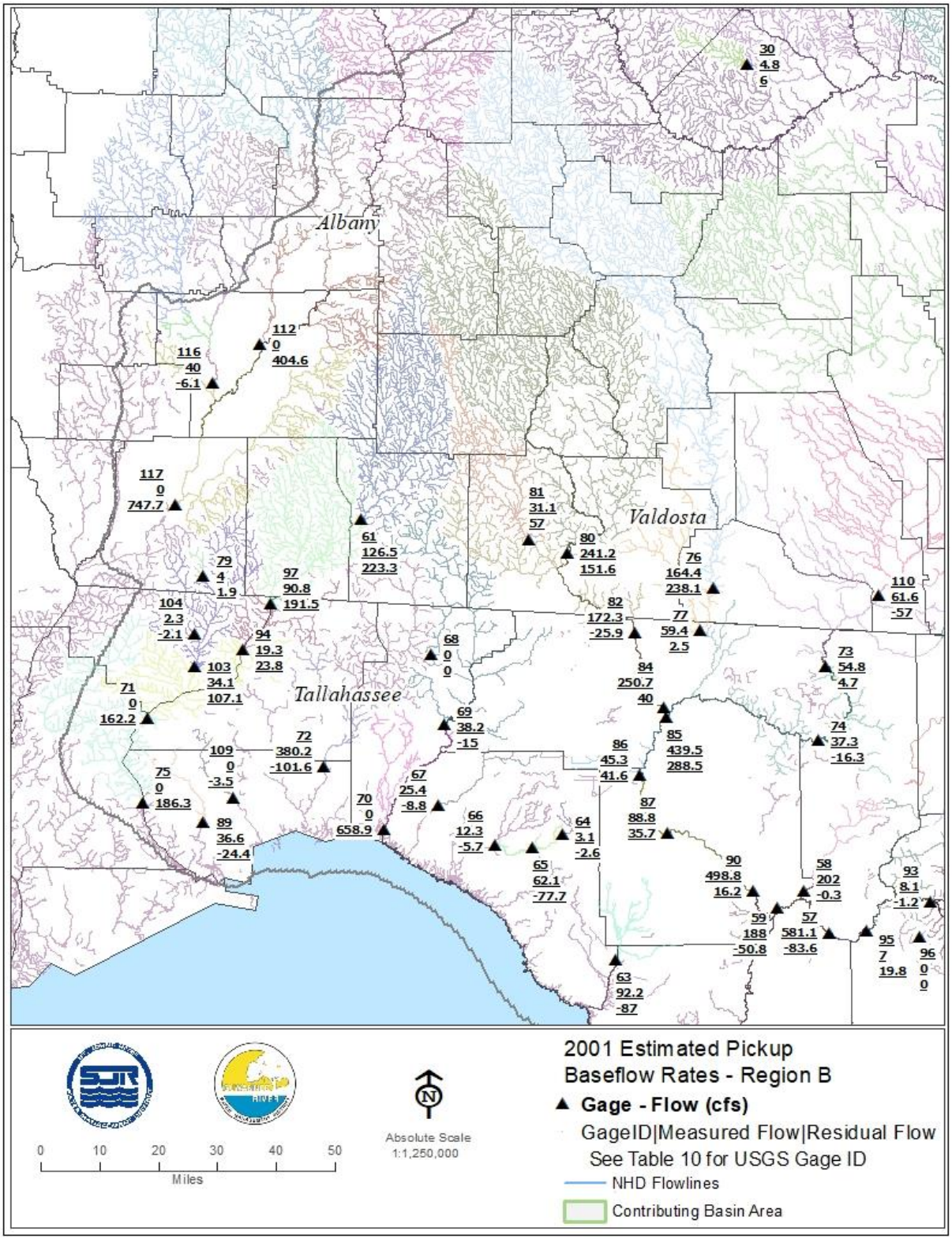


**Figure 4-48. Estimated Baseflow Pickup Residuals (cfs), Region B, 2001**

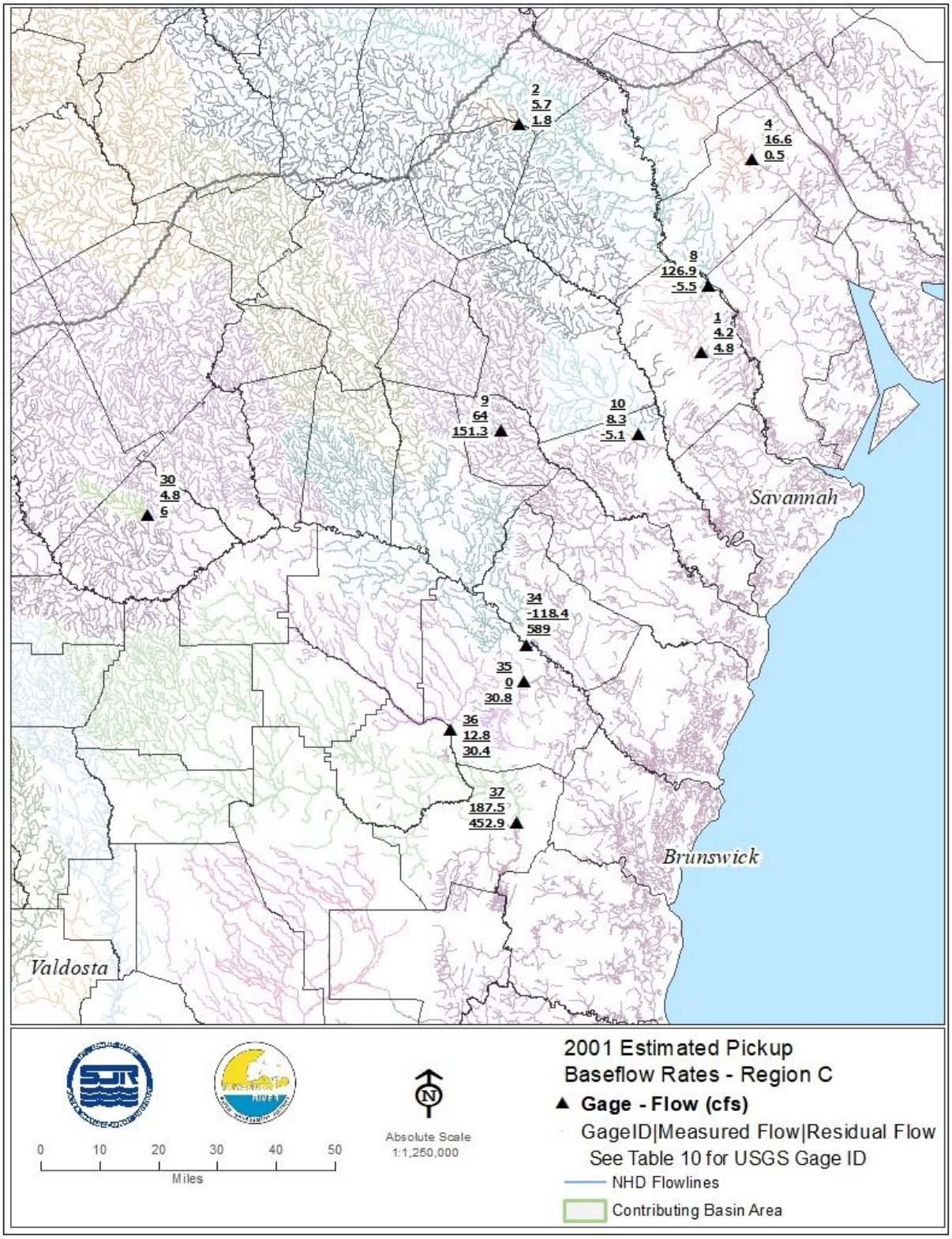


**Figure 4-49. Estimated Baseflow Pickup Residuals (cfs), Region C, 2001**

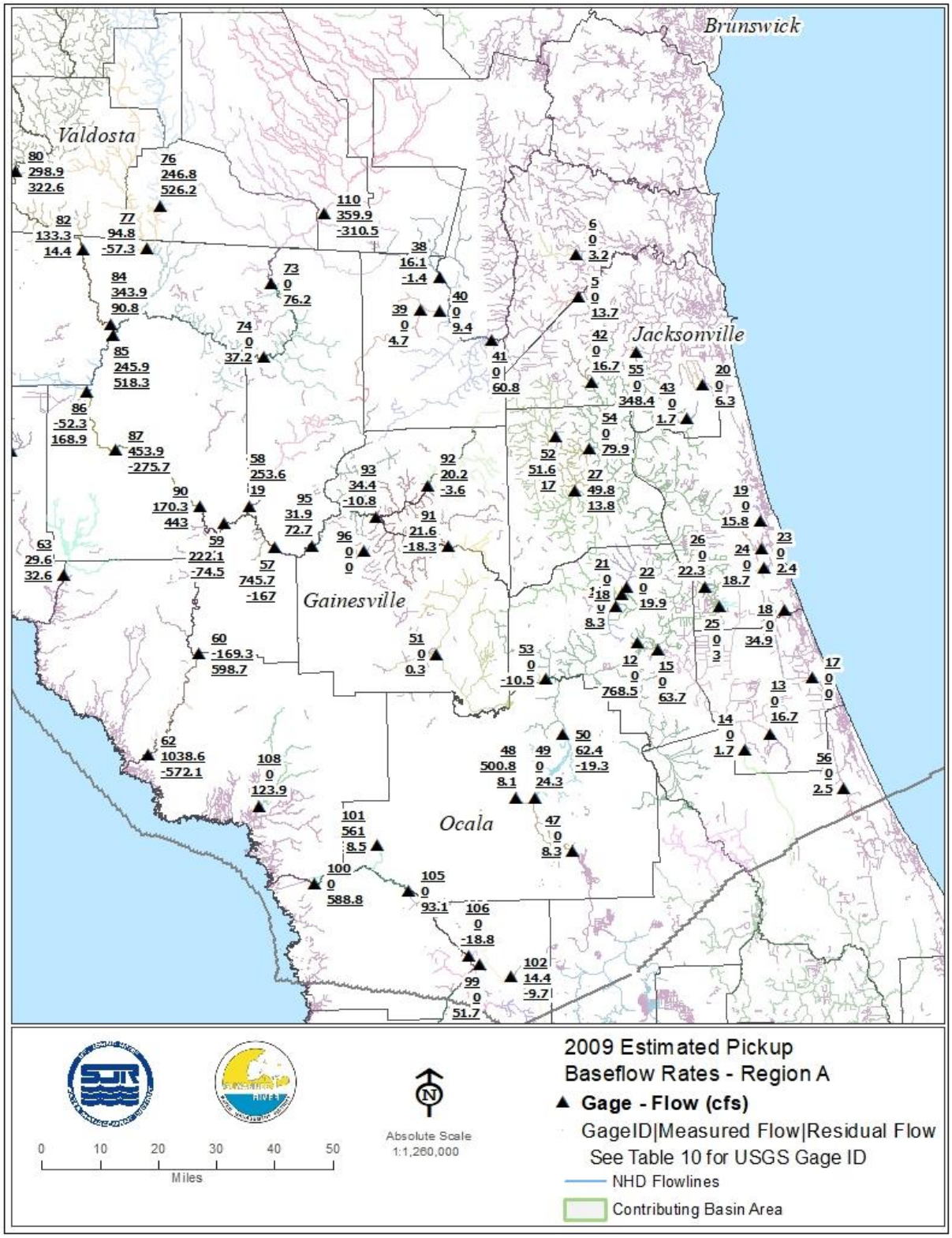


**Figure 4-50. Estimated Baseflow Pickup Residuals (cfs), Region A, 2009**

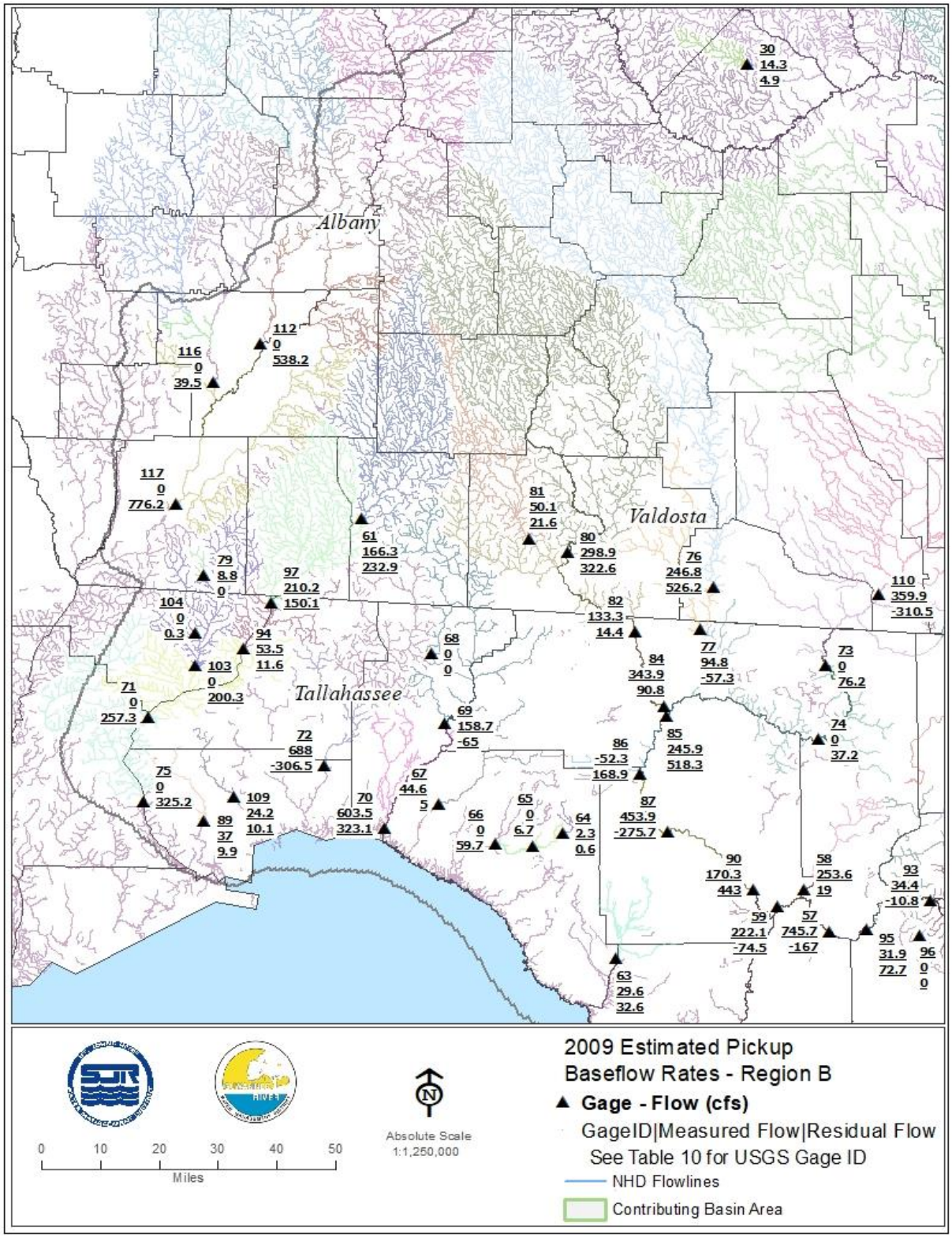


**Figure 4-51. Estimated Baseflow Pickup Residuals (cfs), Region B, 2009**

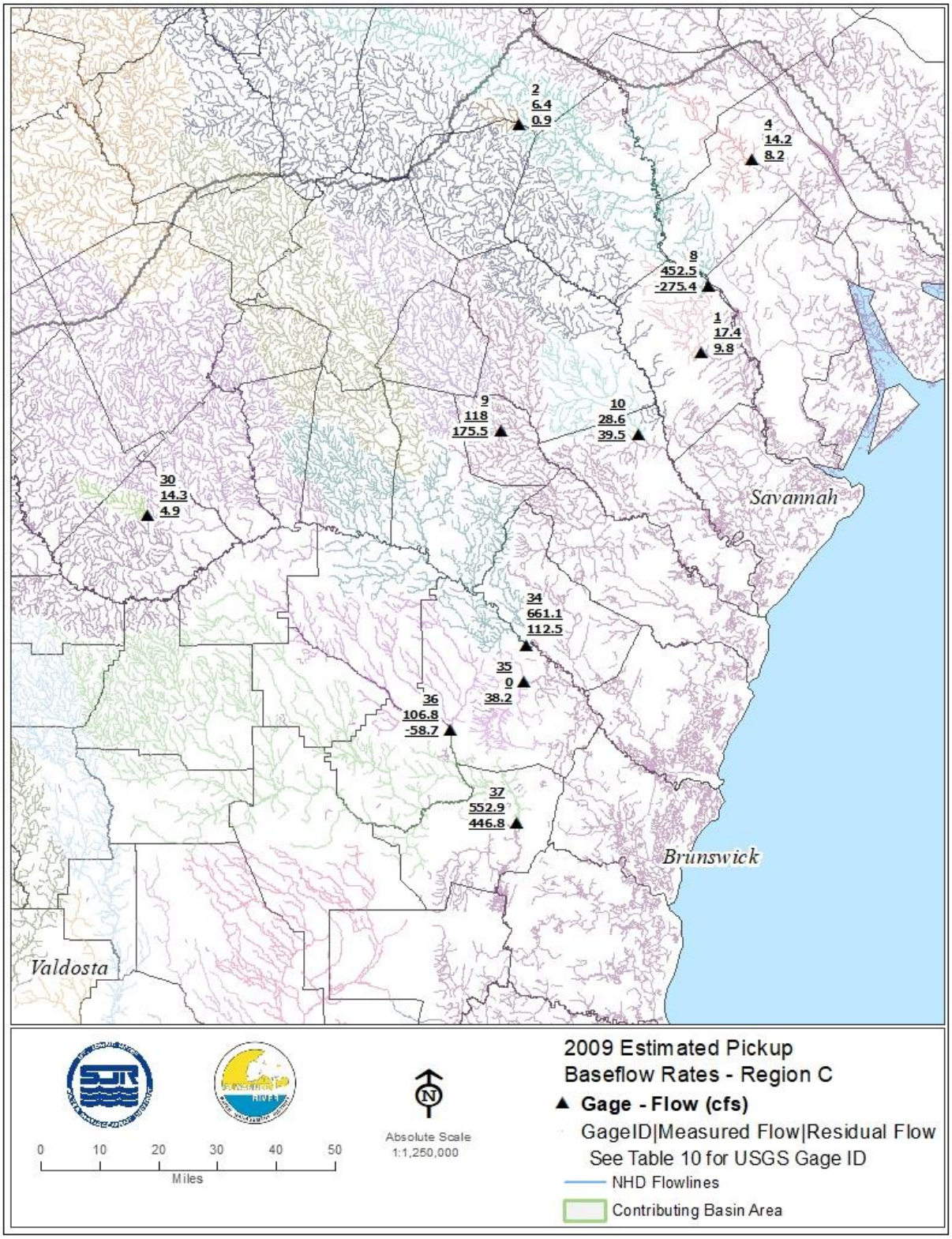


**Figure 4-52. Estimated Baseflow Pickup Residuals (cfs), Region C, 2009**

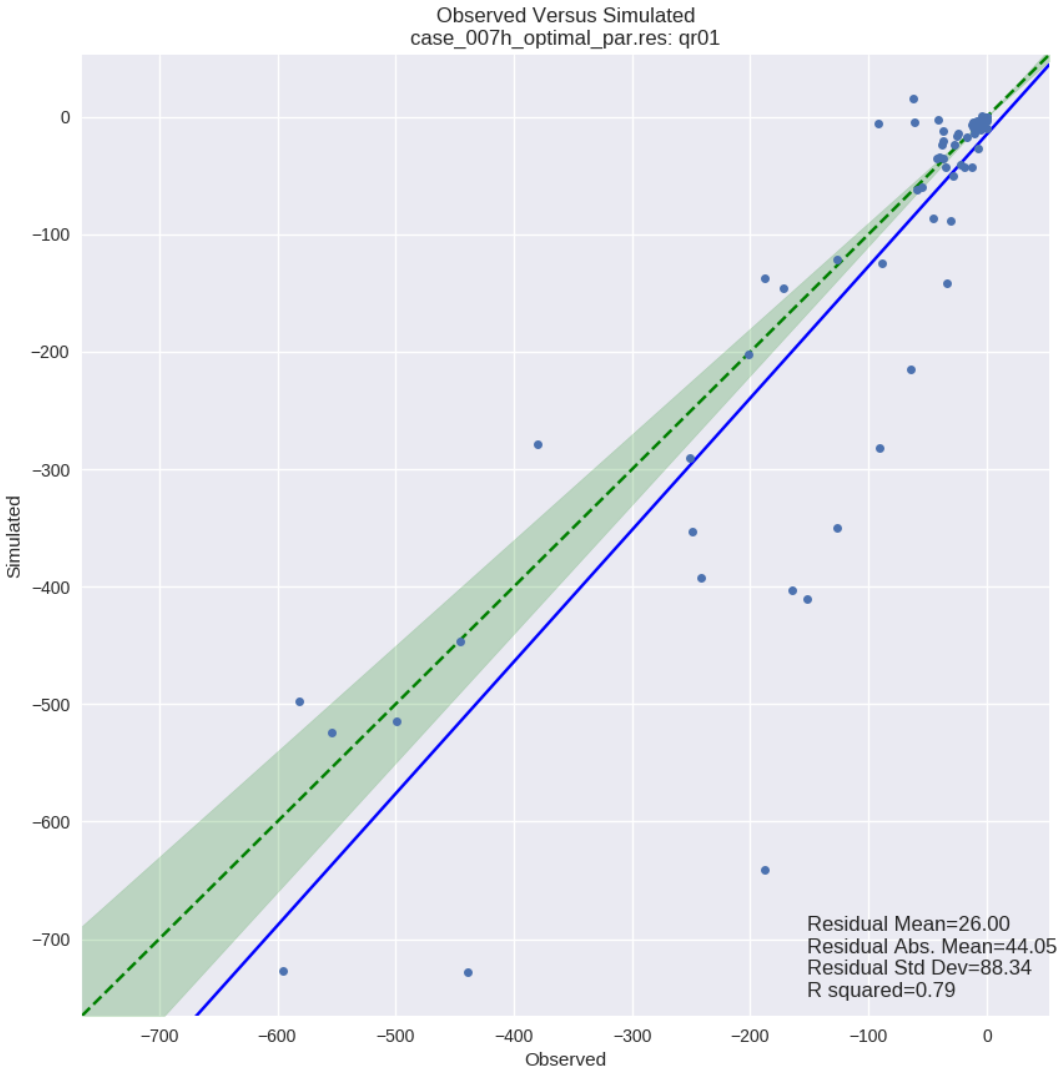


**Figure 4-53. Estimated versus Simulated Baseflow Pickups (cfs), 2001**

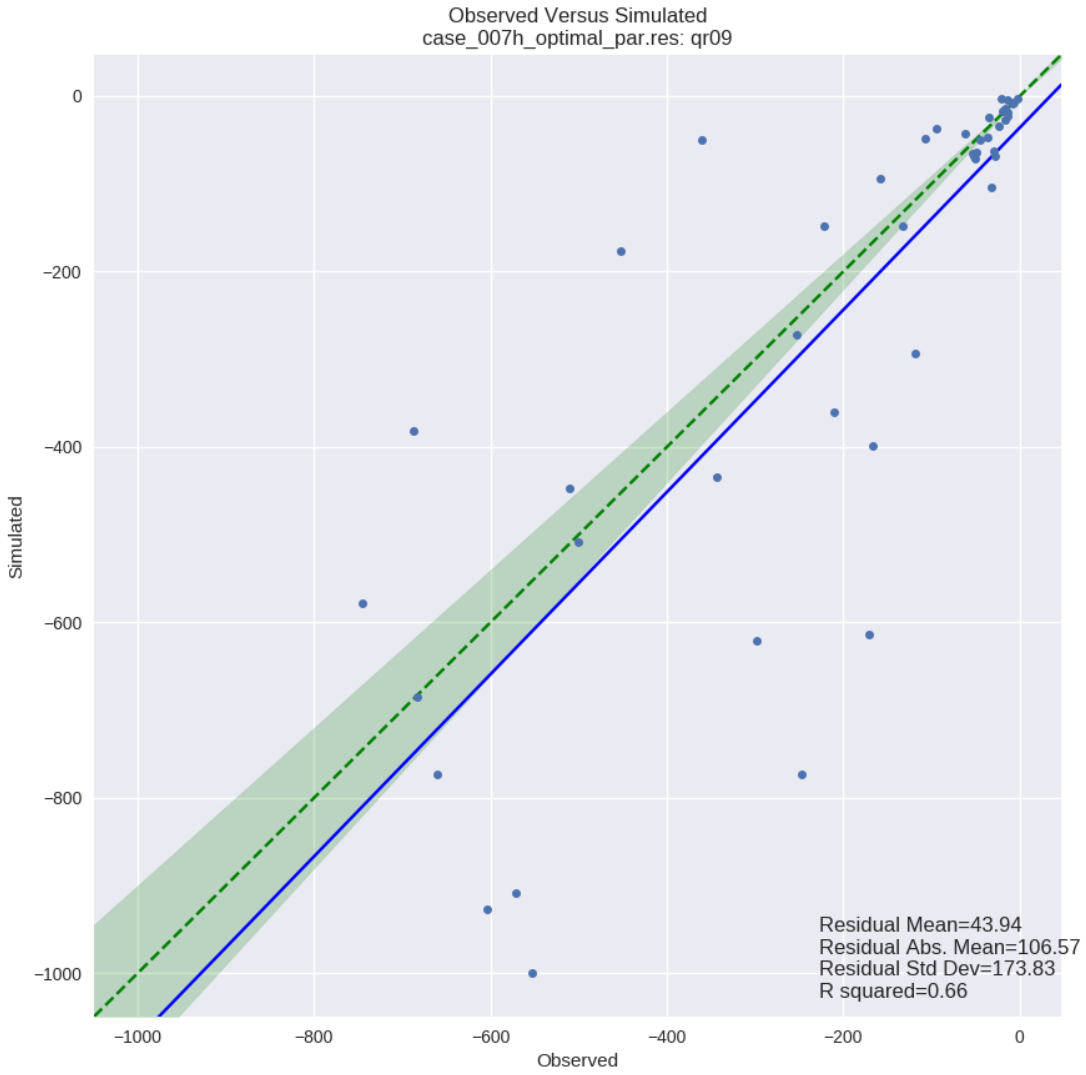


**Figure 4-54. Estimated versus Simulated Baseflow Pickups (cfs), 2009**

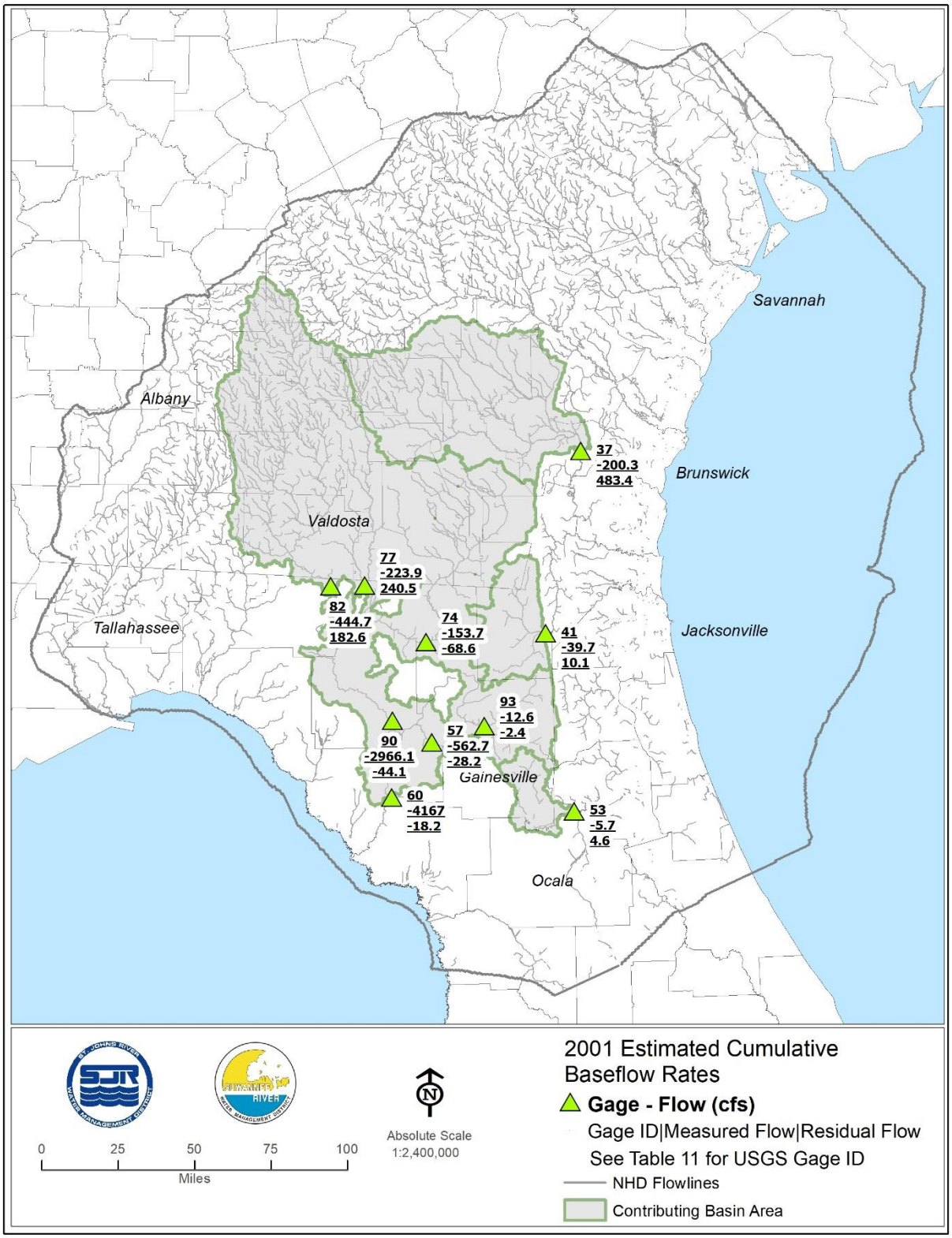


**Figure 4-55. Cumulative Baseflow Residuals (cfs), 2001**

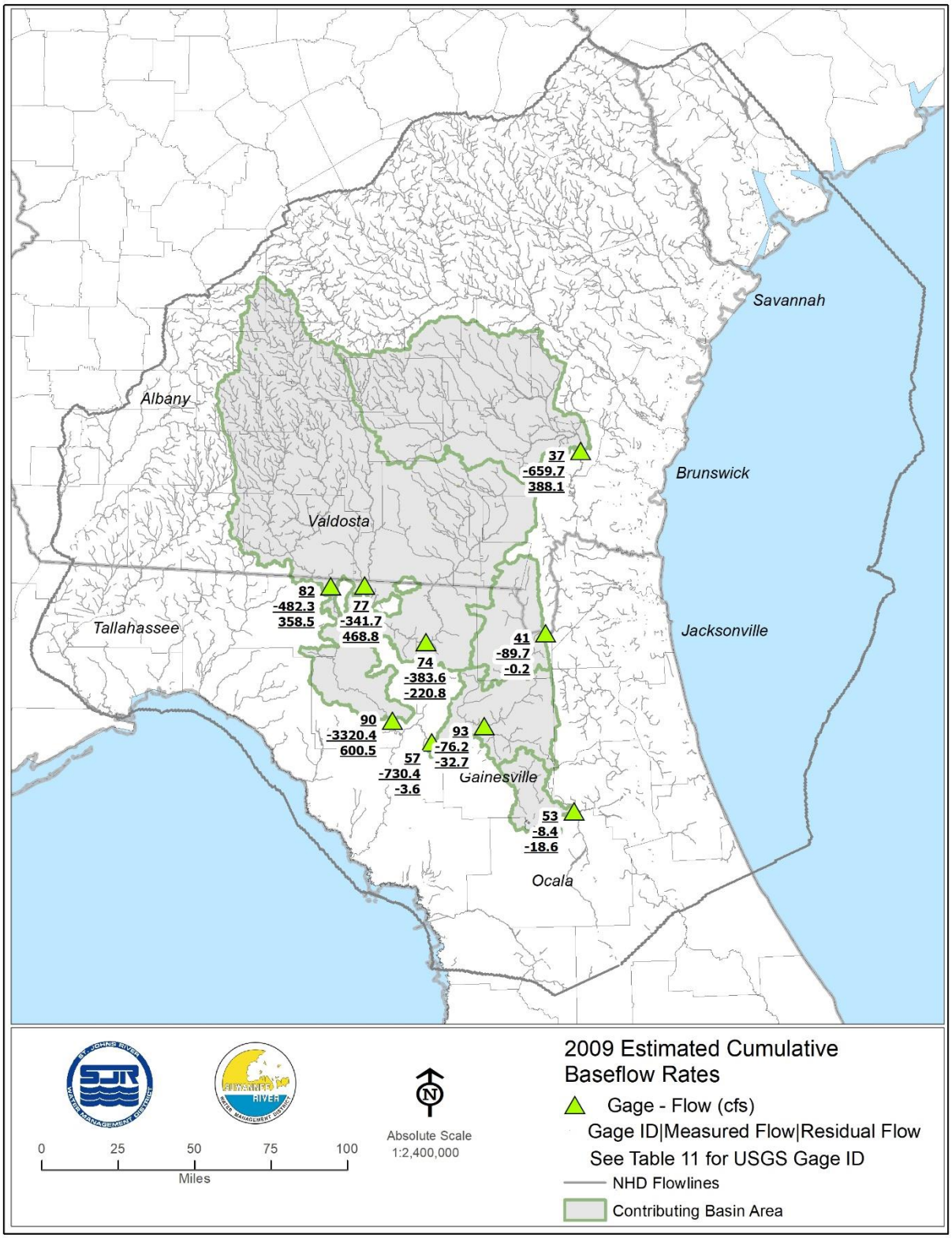


**Figure 4-56. Estimated vs. Simulated Cumulative Baseflows (cfs), 2009**

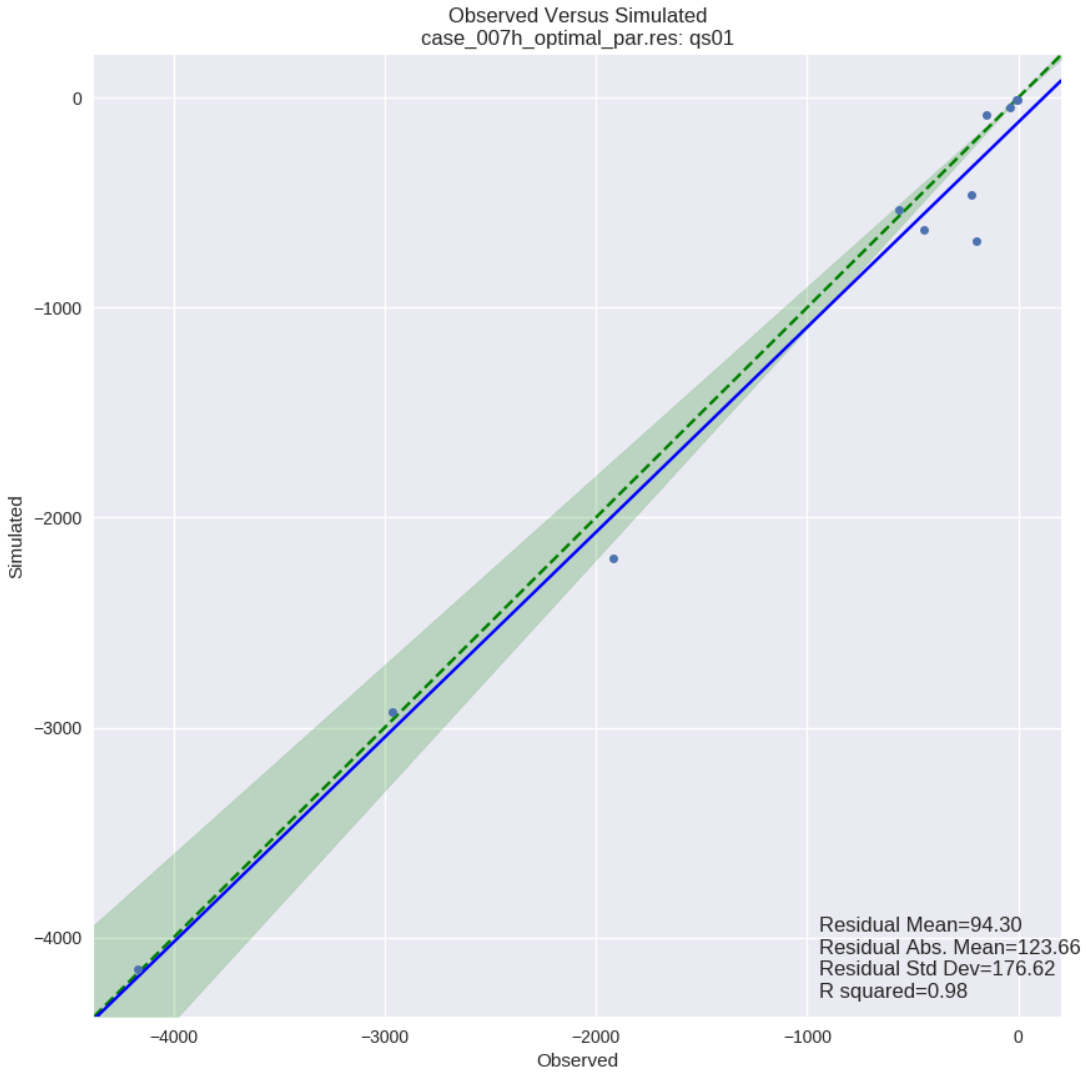


**Figure 4-57. Estimated vs. Simulated Cumulative Baseflows (cfs), 2001**

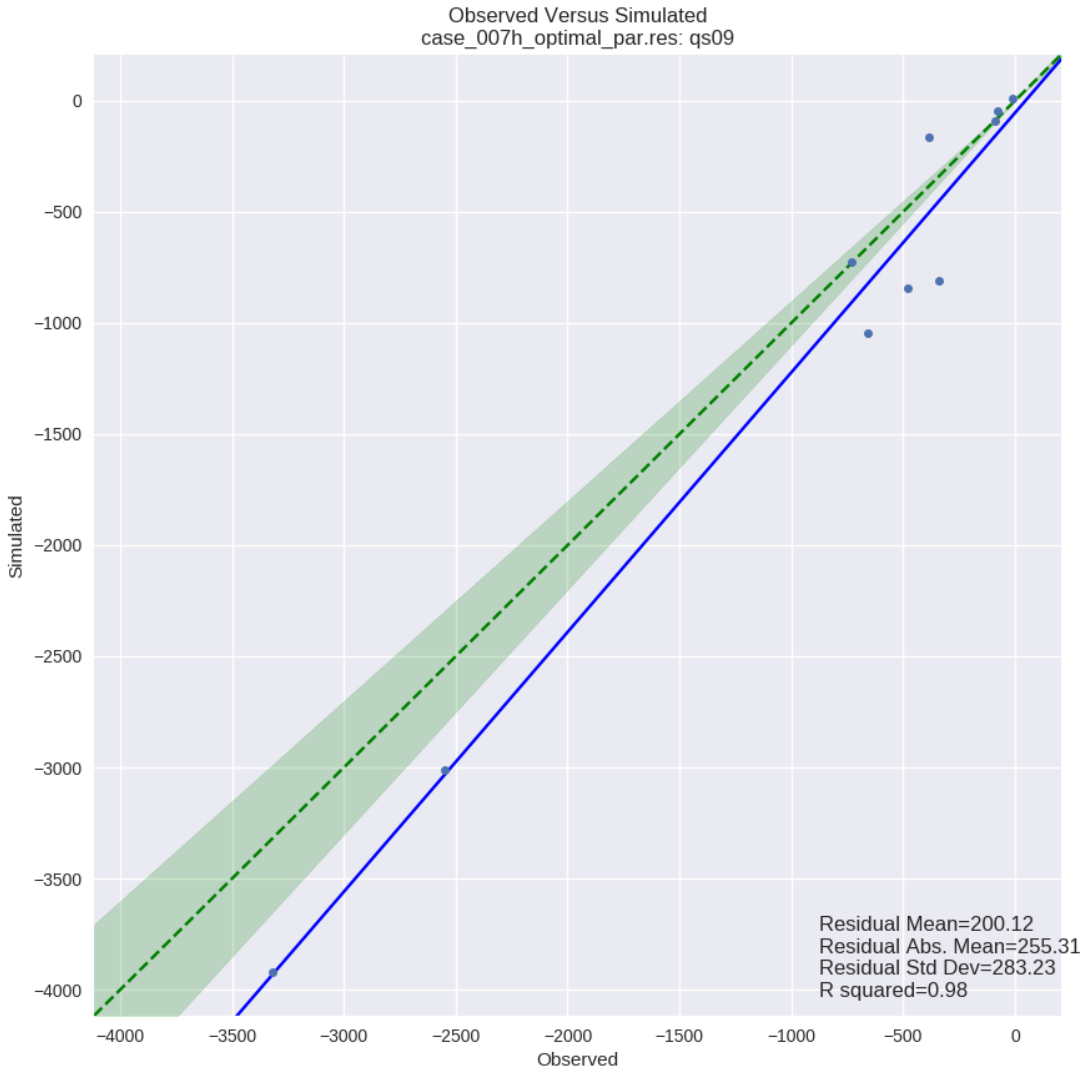


**Figure 4-58. Estimated Cumulative Baseflow Residuals (cfs), 2009**

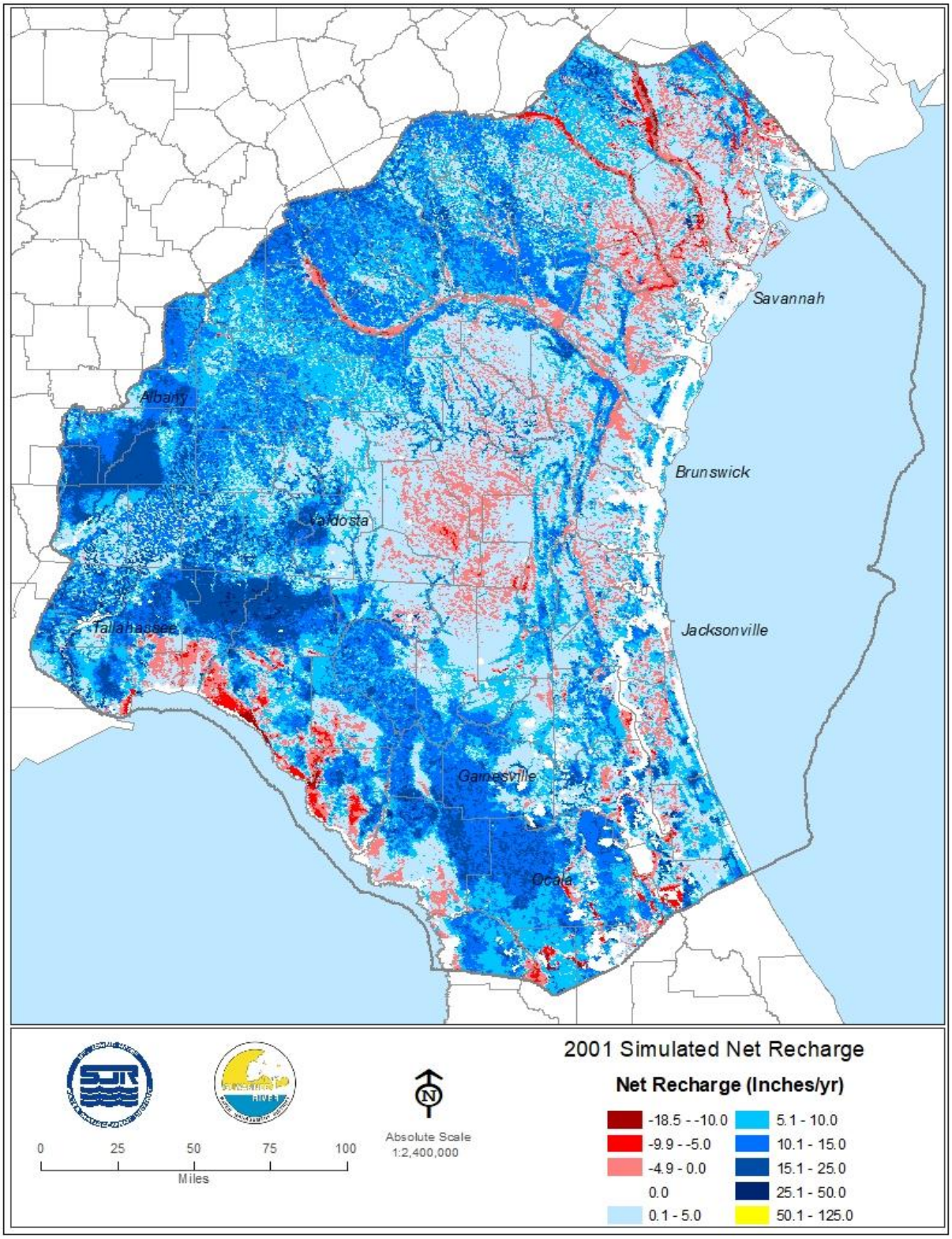


**Figure 4-59. Simulated Net Recharge Rates (Inches/Year), 2001**

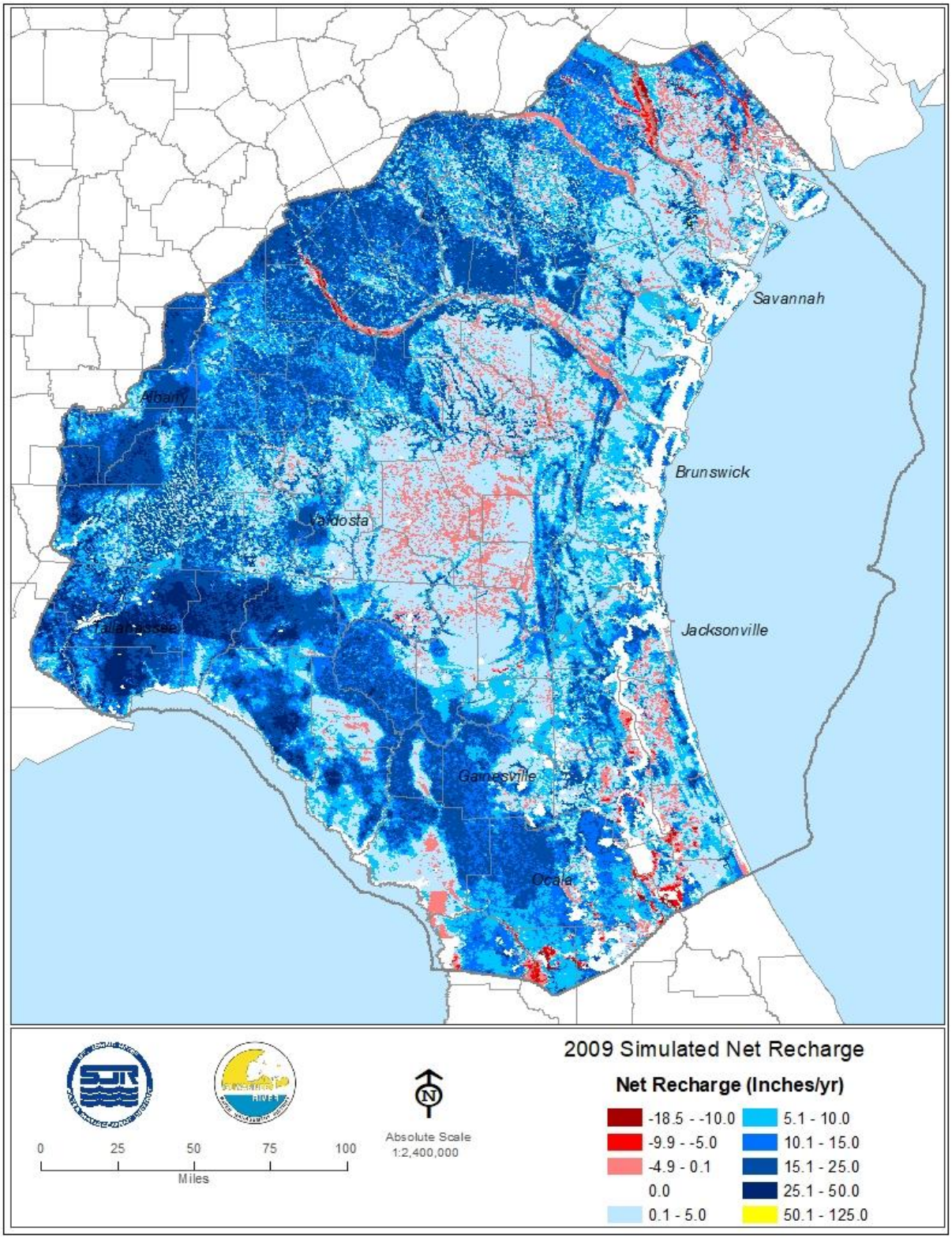


**Figure 4-60. Simulated Net Recharge Rates (Inches/Year), 2009**

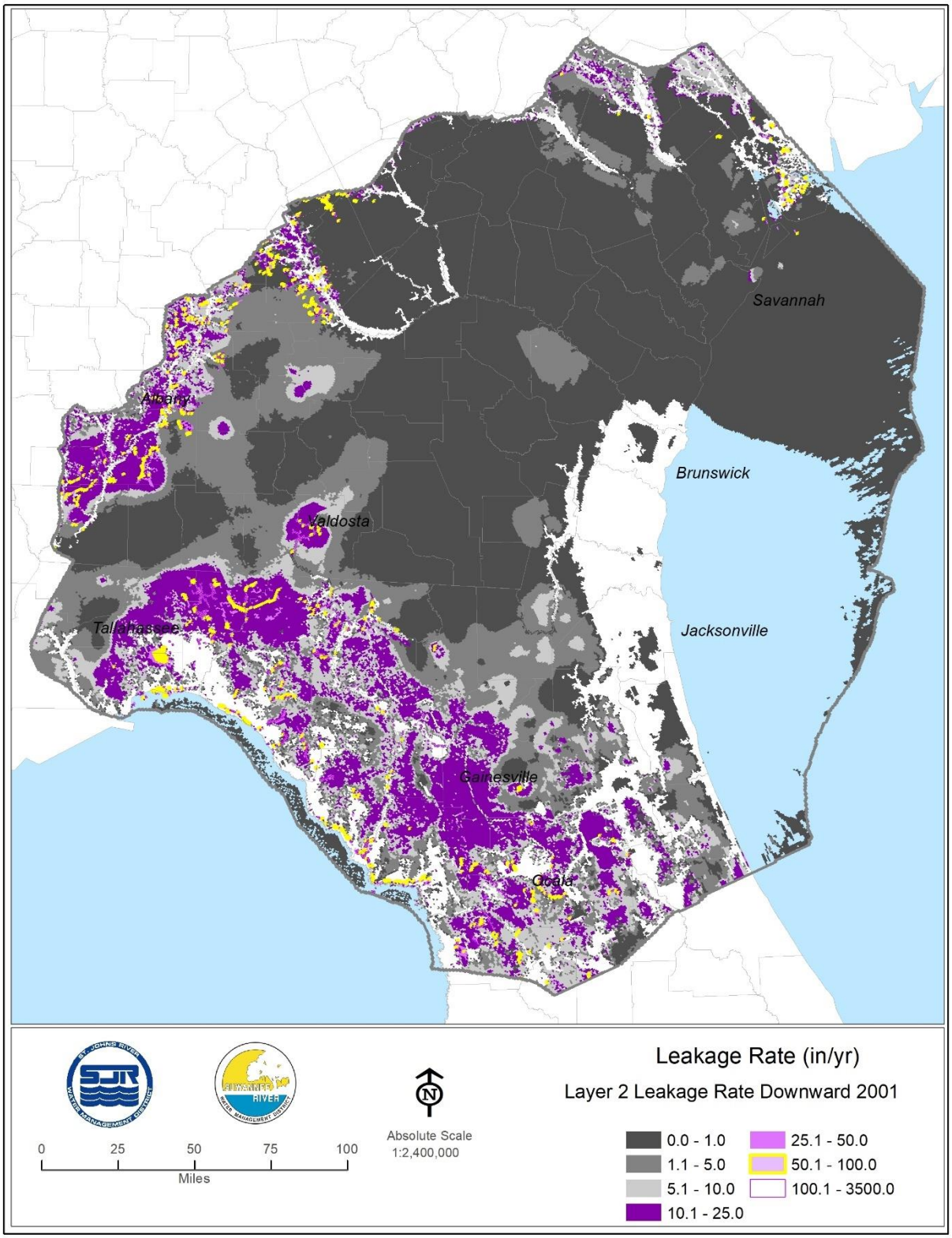


**Figure 4-61. Flow Through Lower Face, Layer 2, 2001 (Downward Leakage Rate, Layer 2 to 3, Inches/Year)**

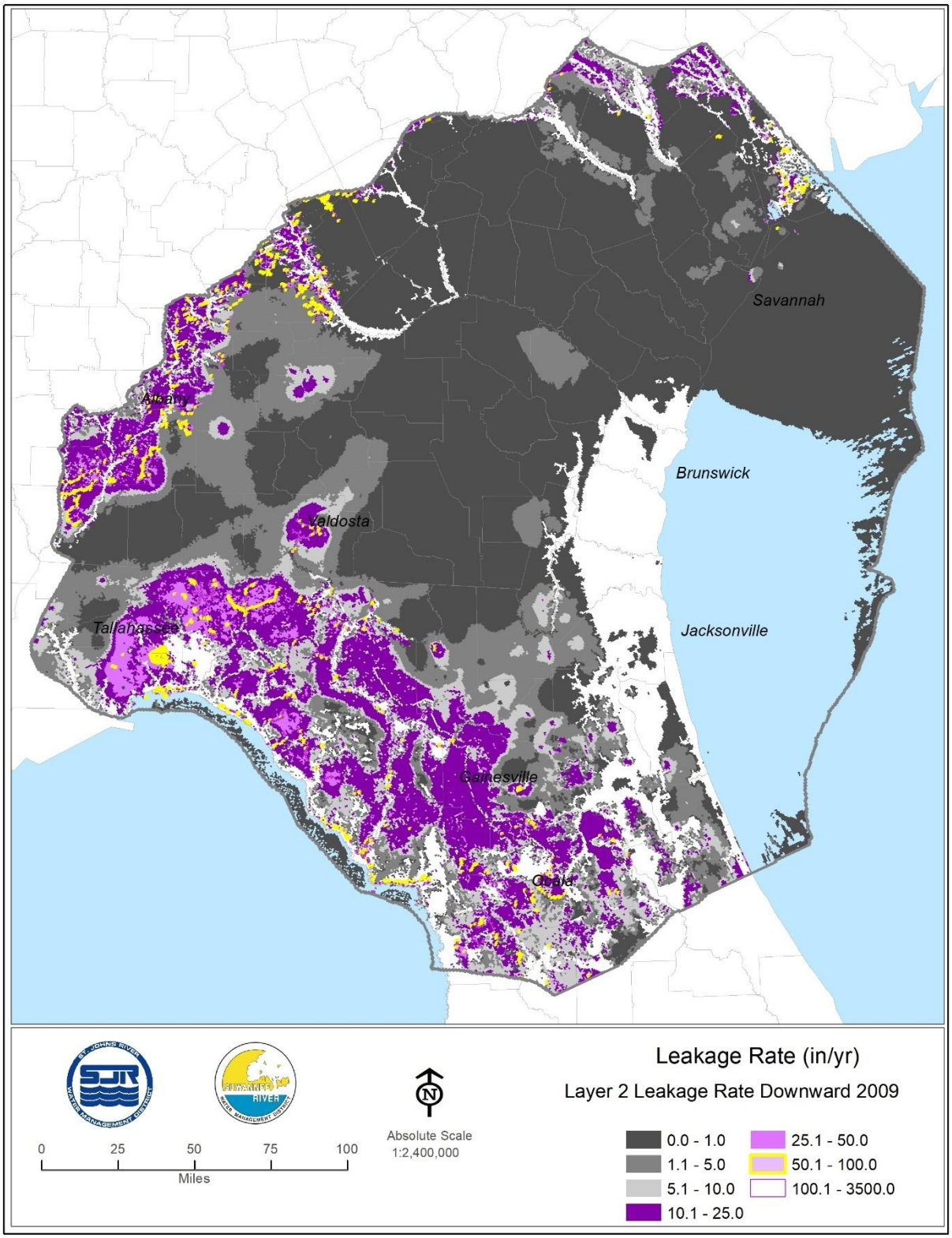


**Figure 4-62. Flow Through Lower Face, Layer 2, 2009 (Downward Leakage Rate, Layer 2 to 3, Inches/Year)**

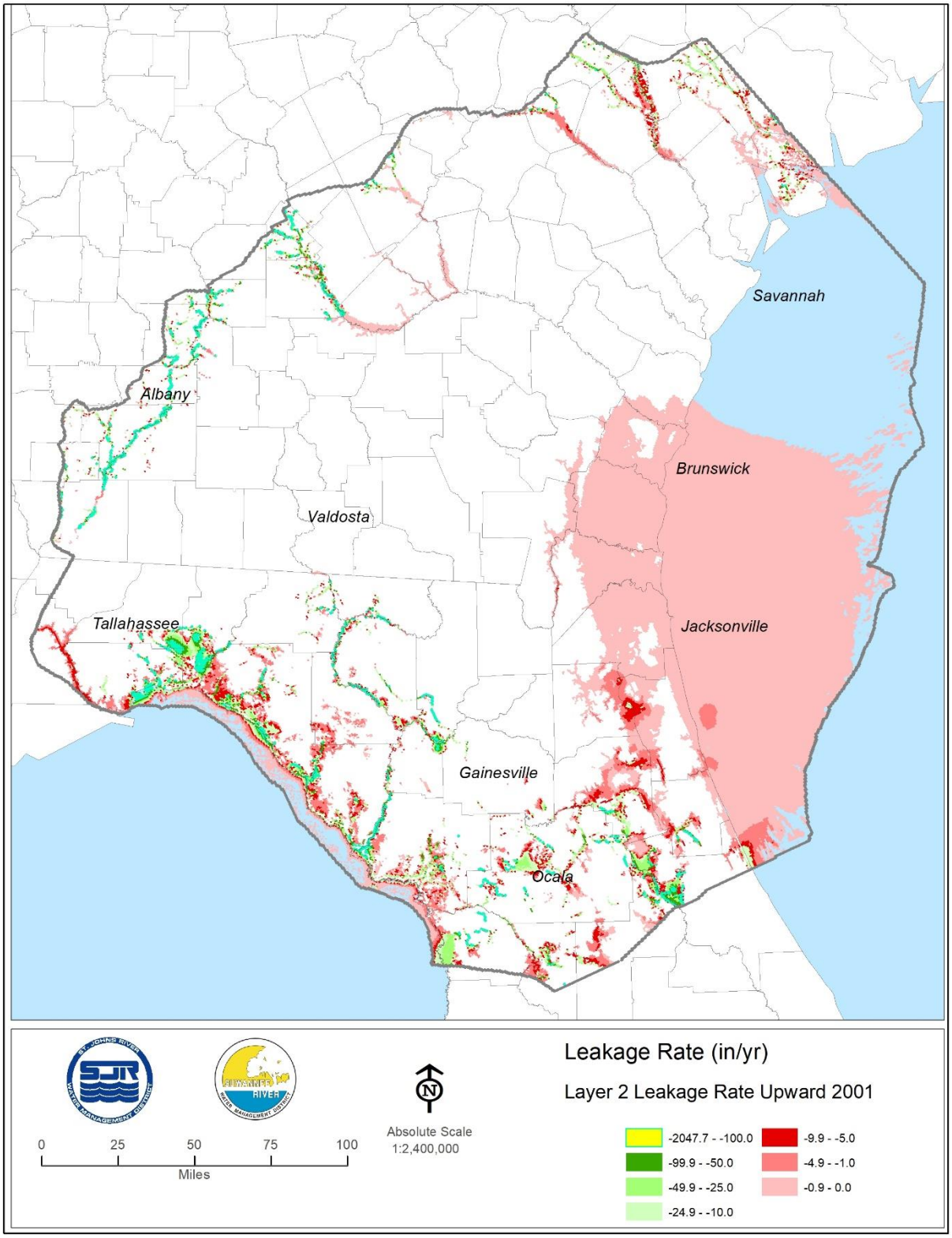


**Figure 4-63. Flow Through Lower Face, Layer 2, 2001 (Upward Leakage Rate, Layer 3 to 2, Inches/Year)**

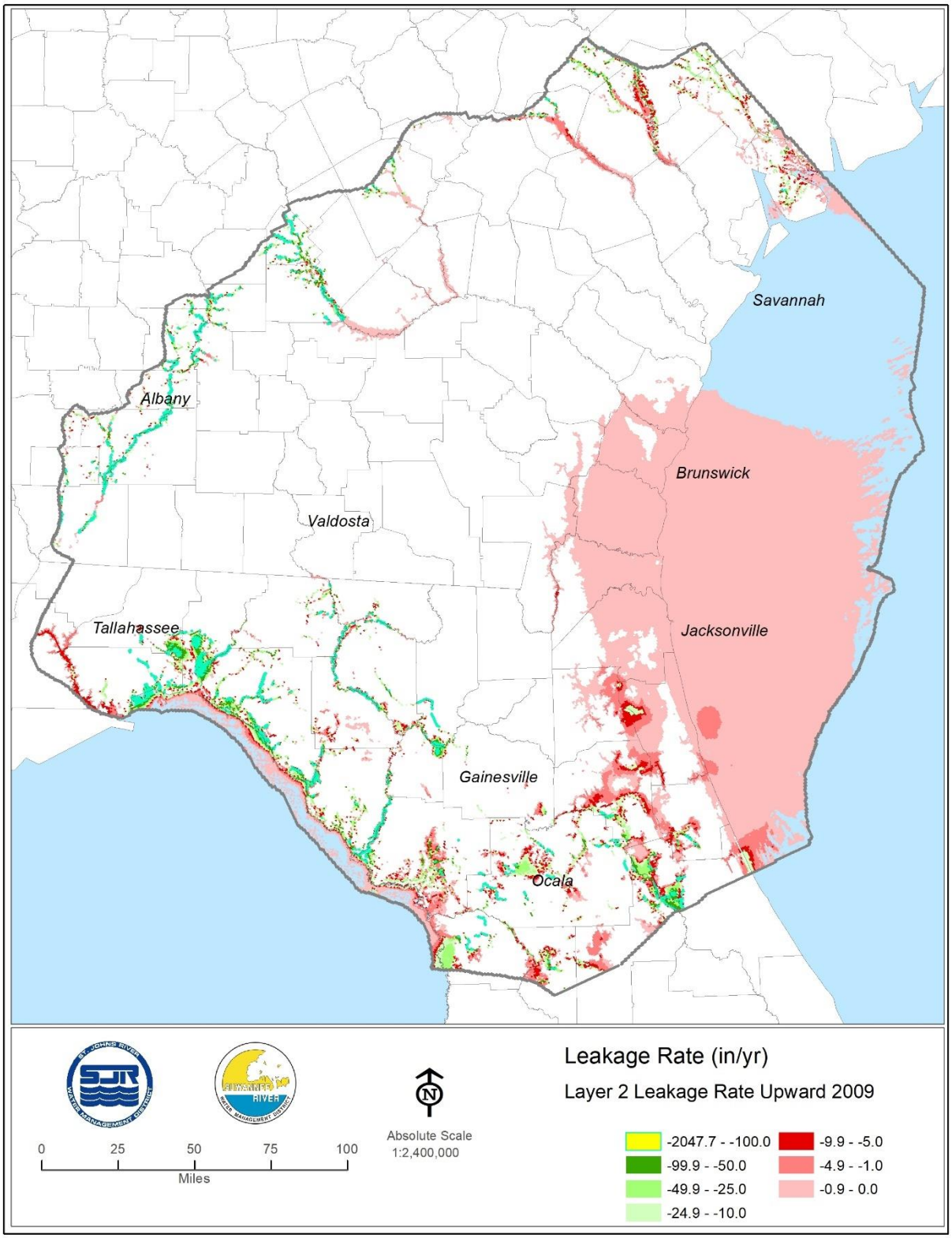


**Figure 4-64. Flow Through Lower Face, Layer 2, 2009 (Upward Leakage Rate, Layer 3 to 2, Inches/Year)**

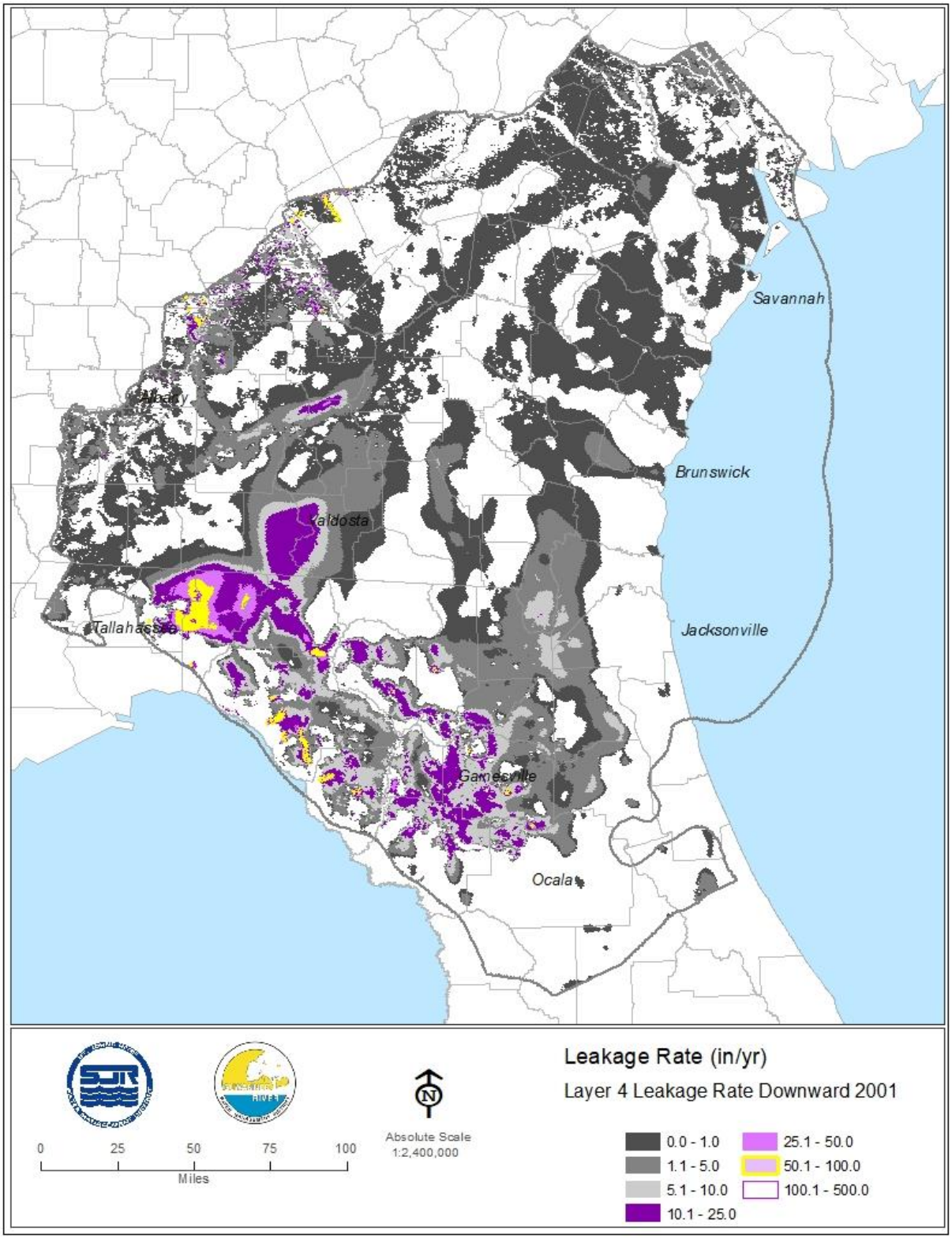


**Figure 4-65. Flow Through Lower Face, Layer 4, 2001 (Downward Leakage Rate, Layer 4 to 5, Inches/Year)**

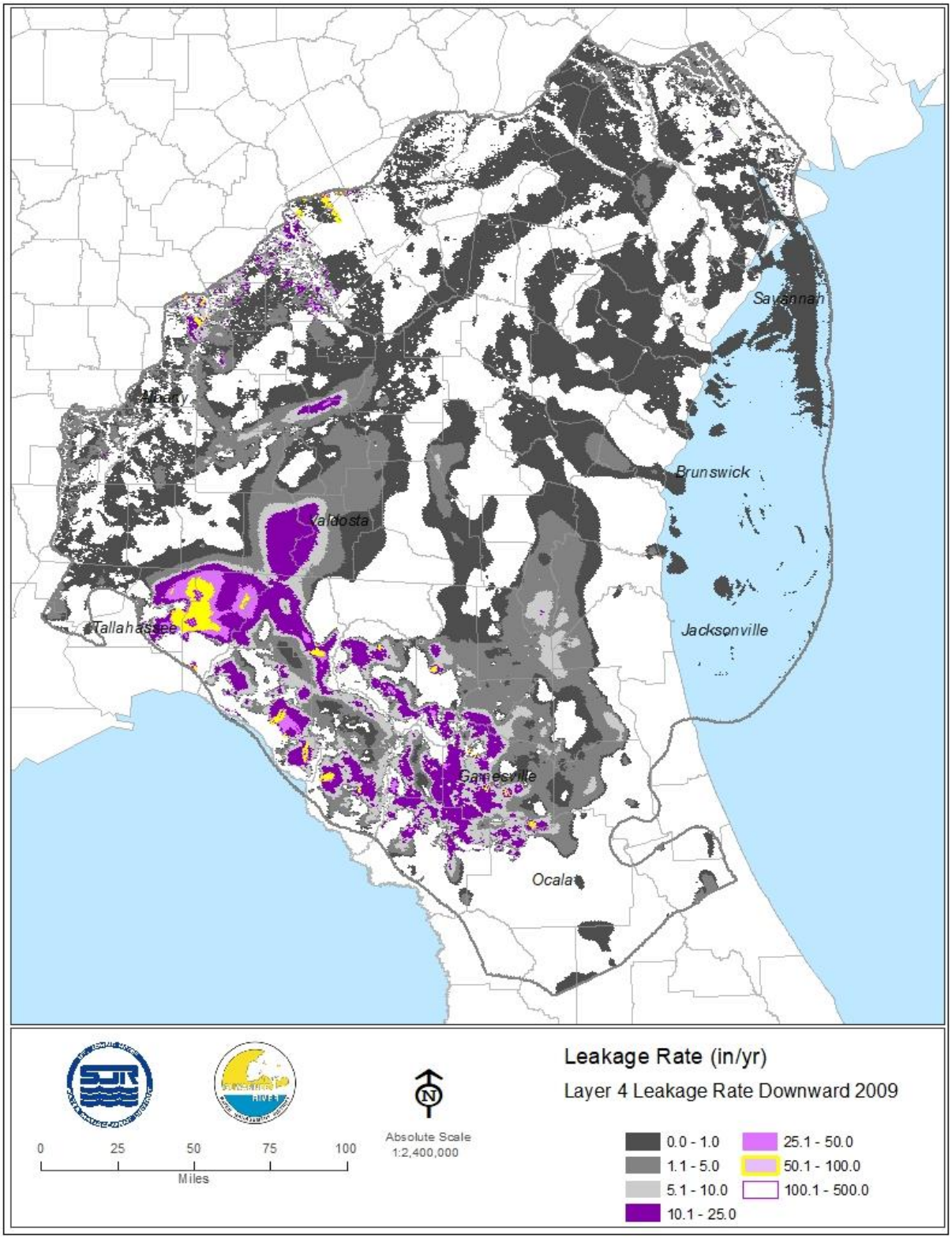


**Figure 4-66. Flow Through Lower Face, Layer 4, 2009 (Downward Leakage Rate, Layer 4 to 5, Inches/Year)**

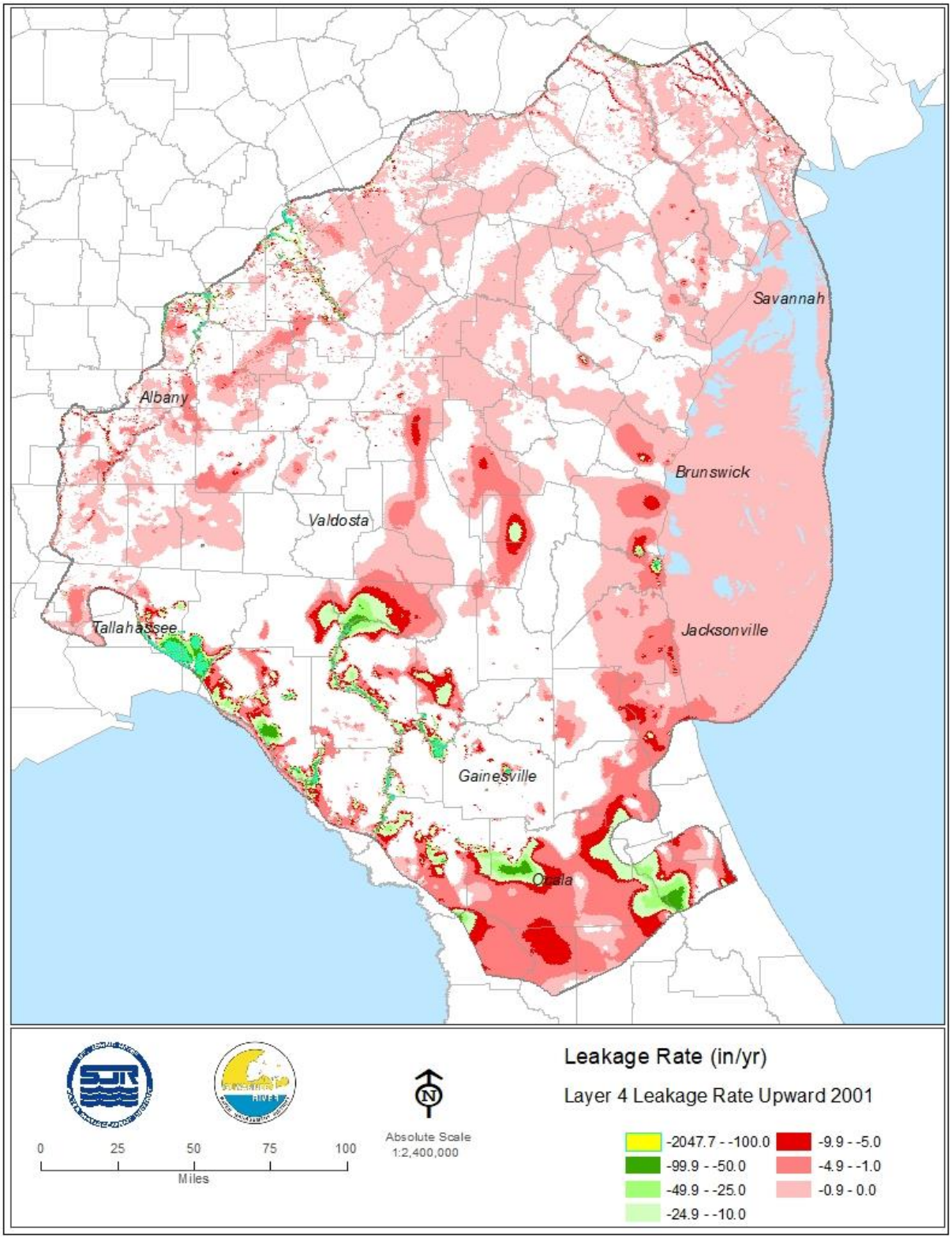


**Figure 4-67. Flow Through Lower Face, Layer 4, 2001 (Upward Leakage Rate, Layer 5 to 4, Inches/Year)**

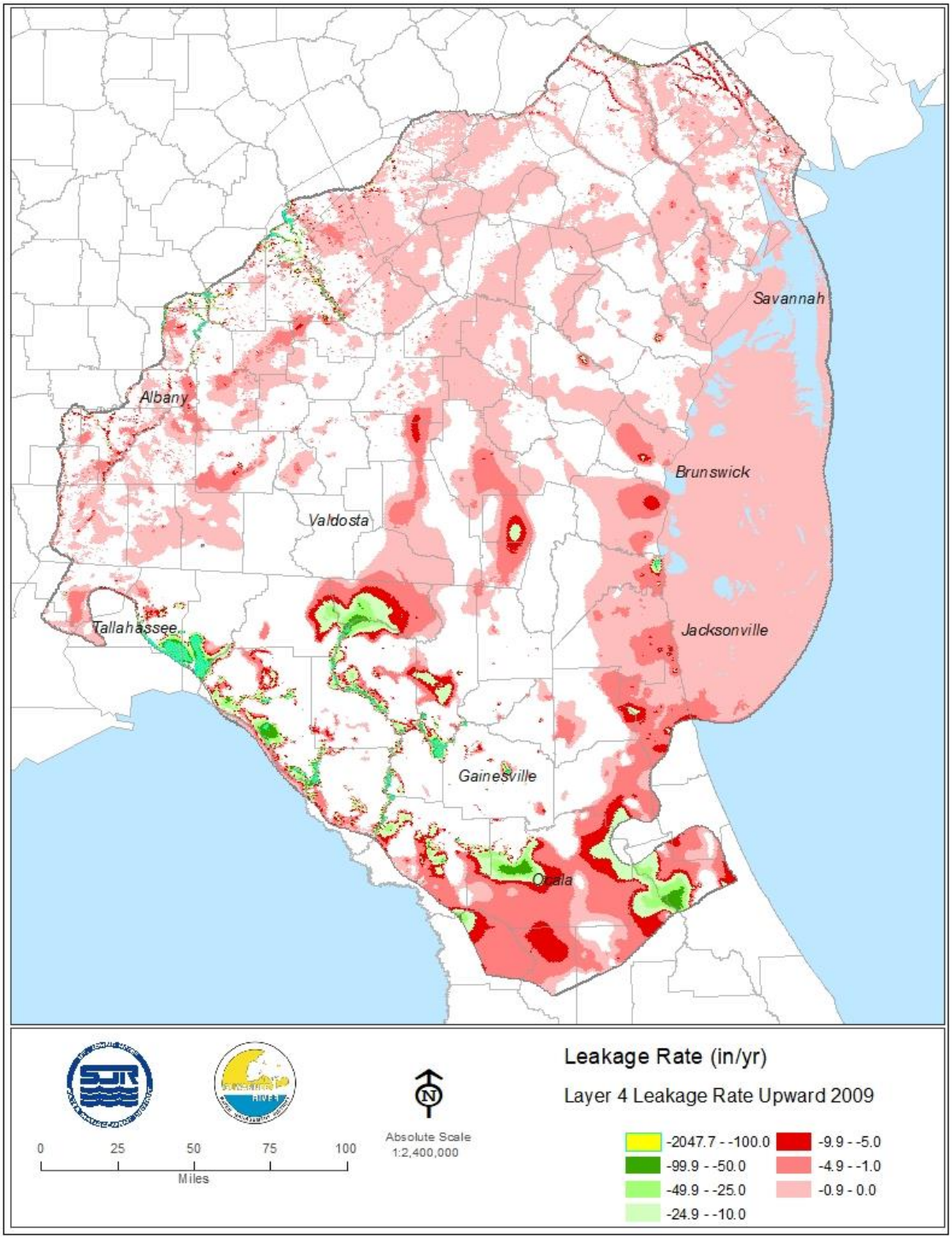


**Figure 4-68. Flow Through Lower Face, Layer 4, 2009 (Upward Leakage Rate, Layer 5 to 4, Inches/Year)**

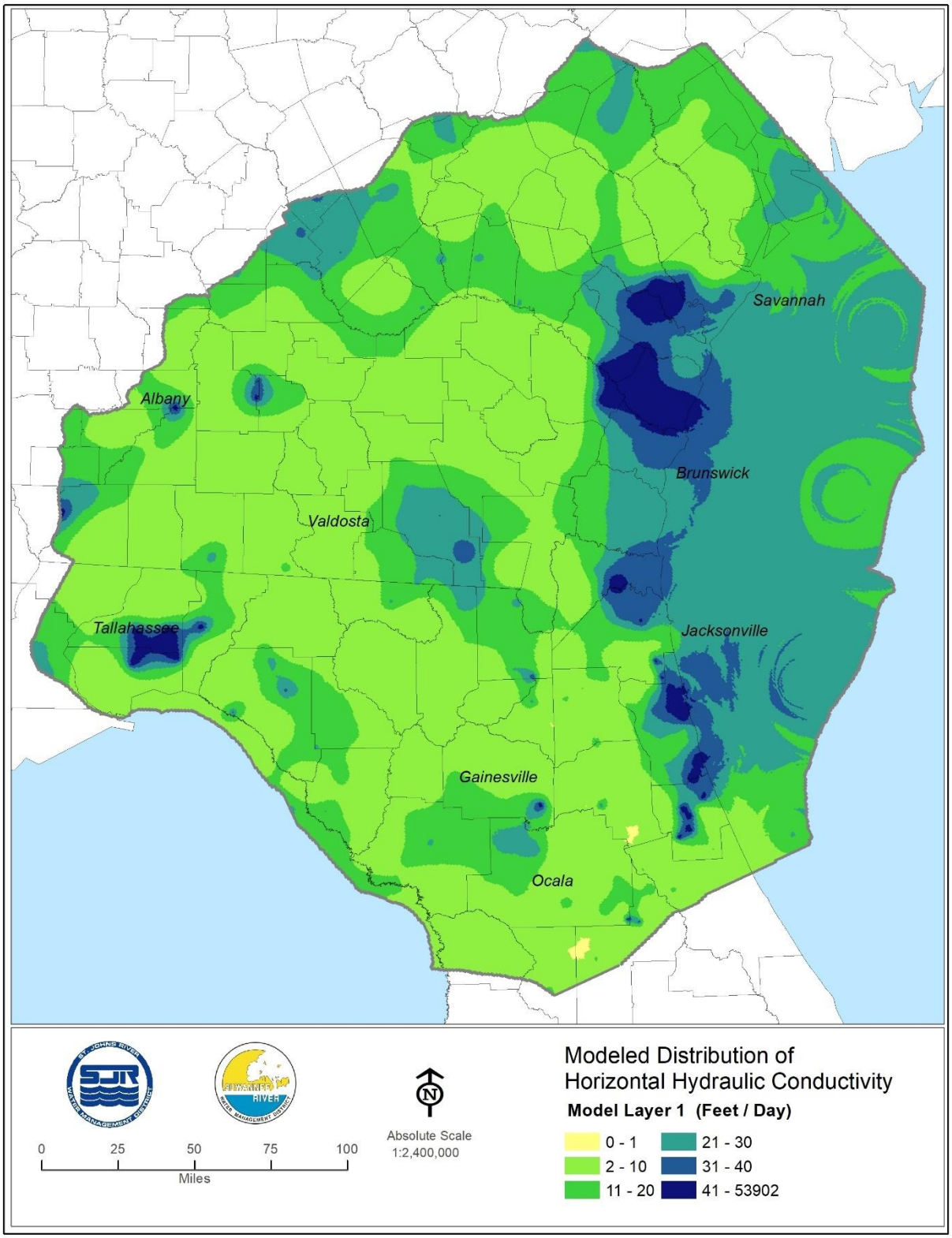


**Figure 4-69. Modeled Distribution of Horizontal Hydraulic Conductivity (Feet/Day), Model Layer 1**

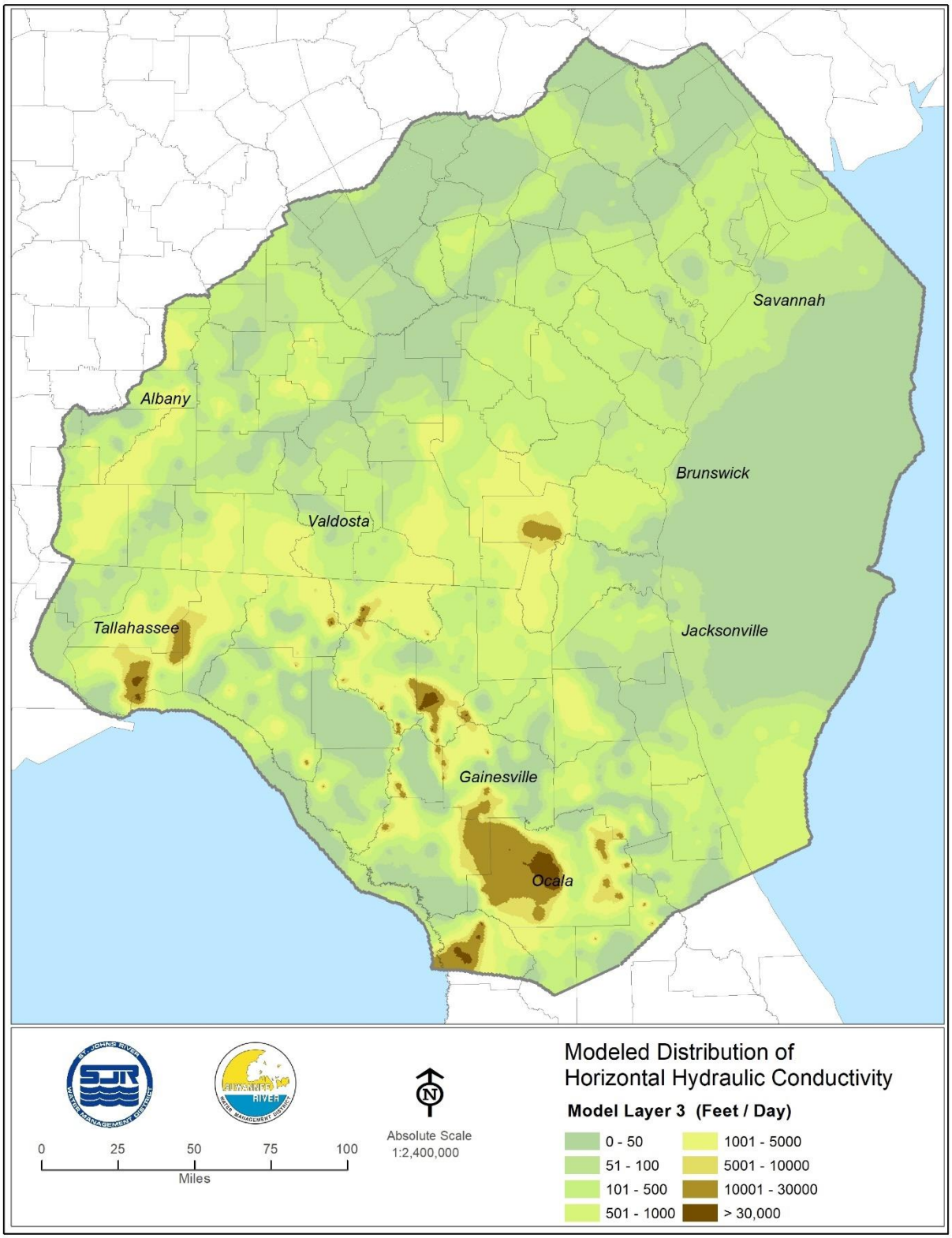


**Figure 4-70. Modeled Distribution of Horizontal Hydraulic Conductivity (Feet/Day), Model Layer 3**

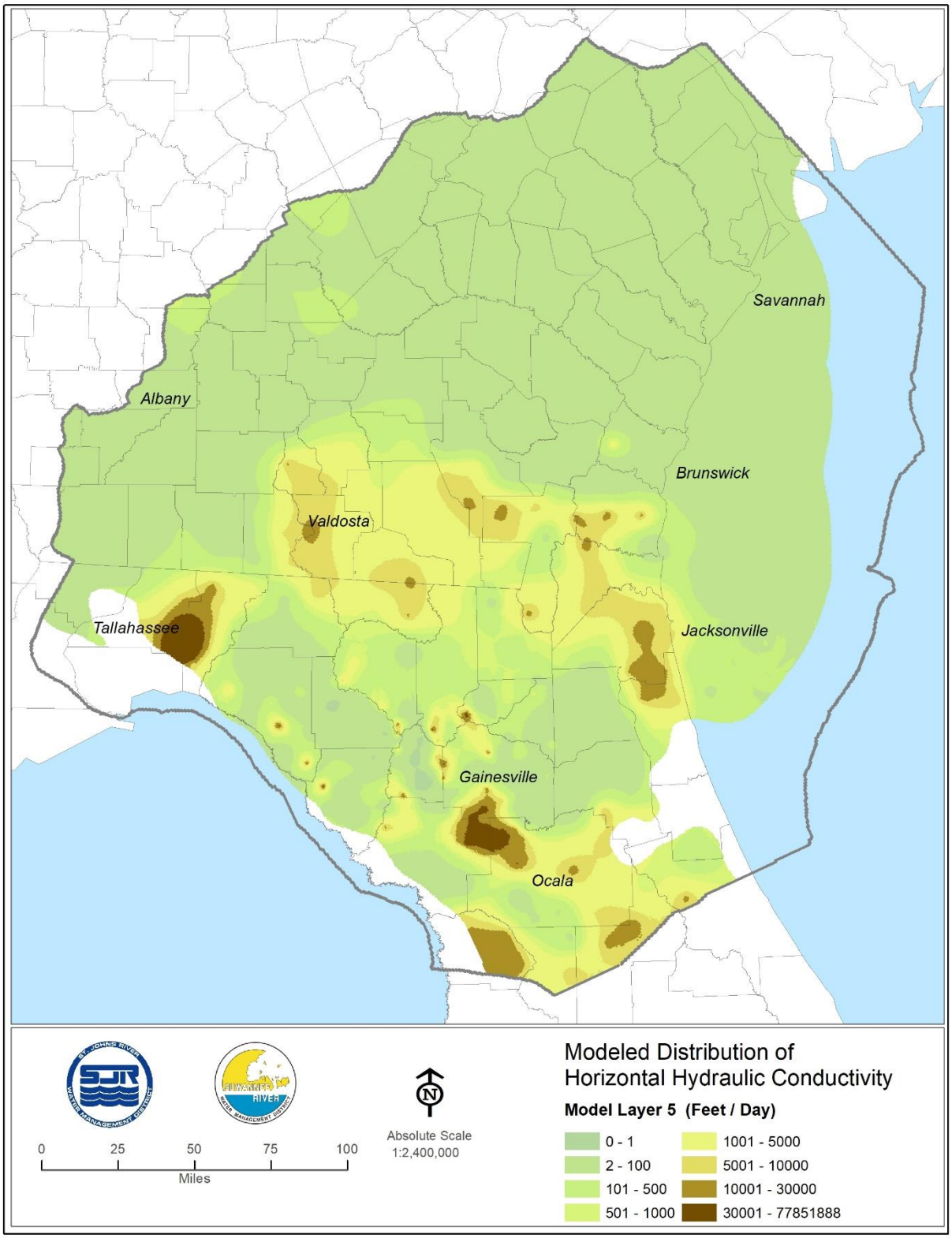


**Figure 4-71. Modeled Distribution of Horizontal Hydraulic Conductivity (Feet/Day), Model Layer 5**

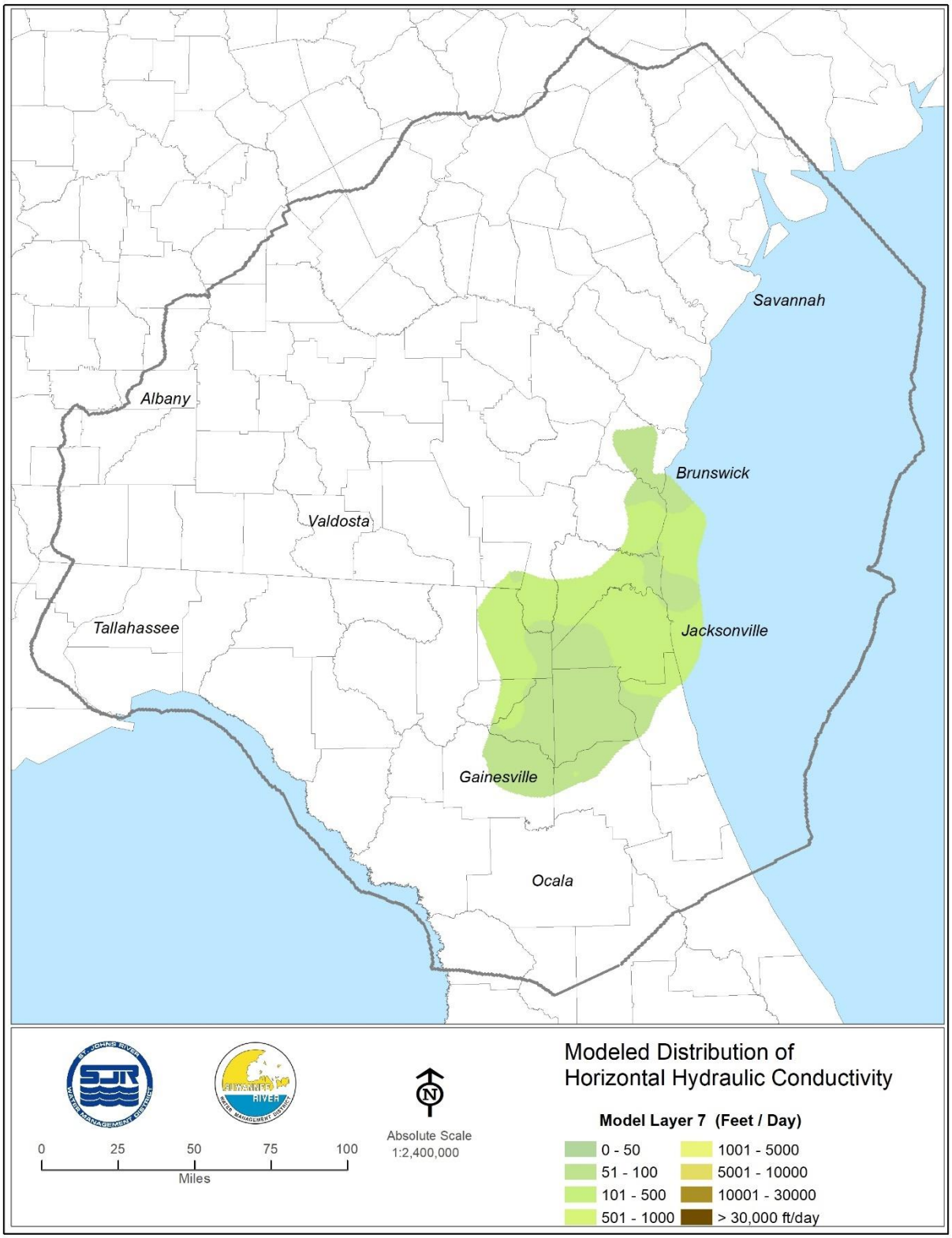


**Figure 4-72. Modeled Distribution of Horizontal Hydraulic Conductivity (Feet/Day), Model Layer 7**

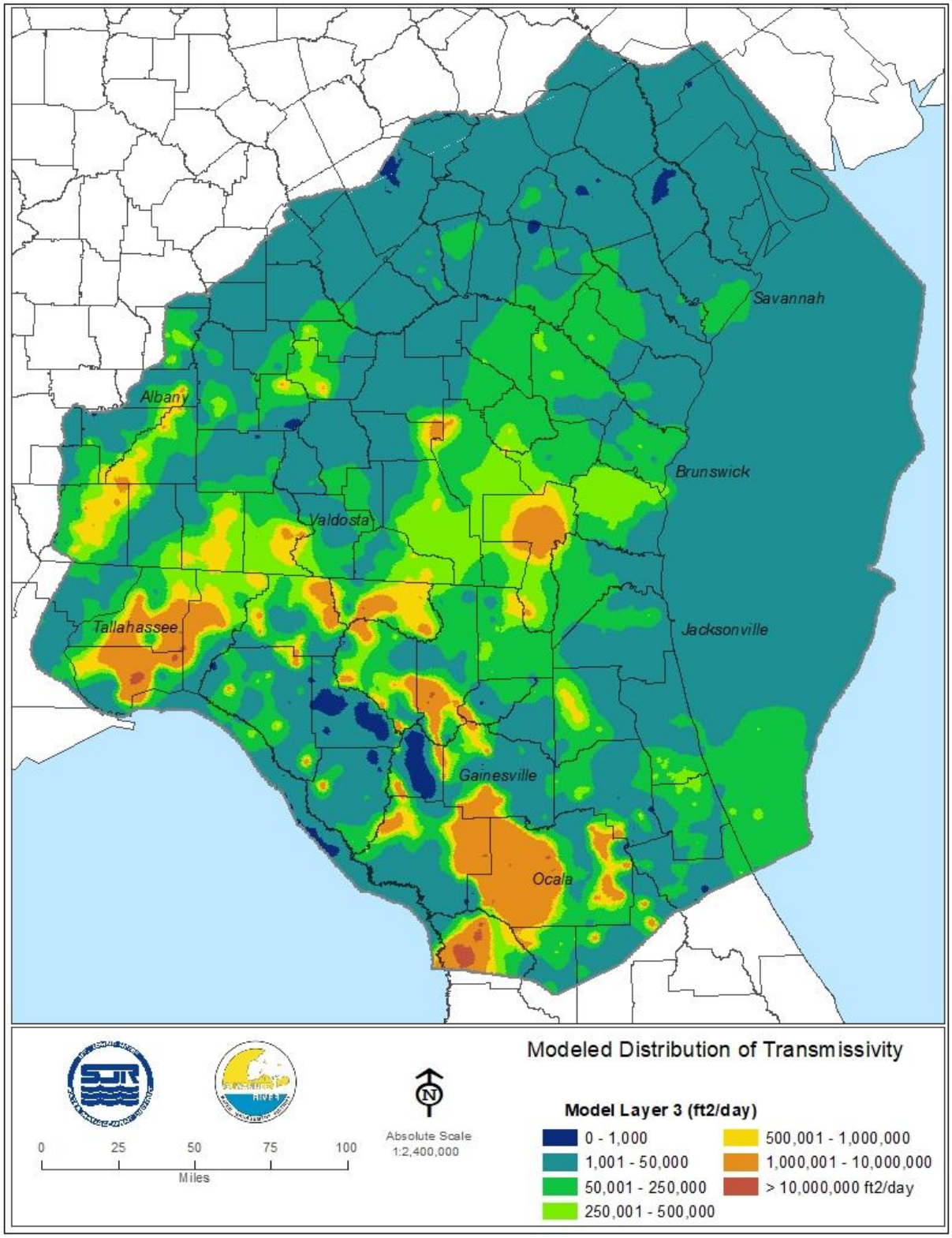


**Figure 4-73. Spatial Distribution of Transmissivity (Feet Squared/Day), Model Layer 3**

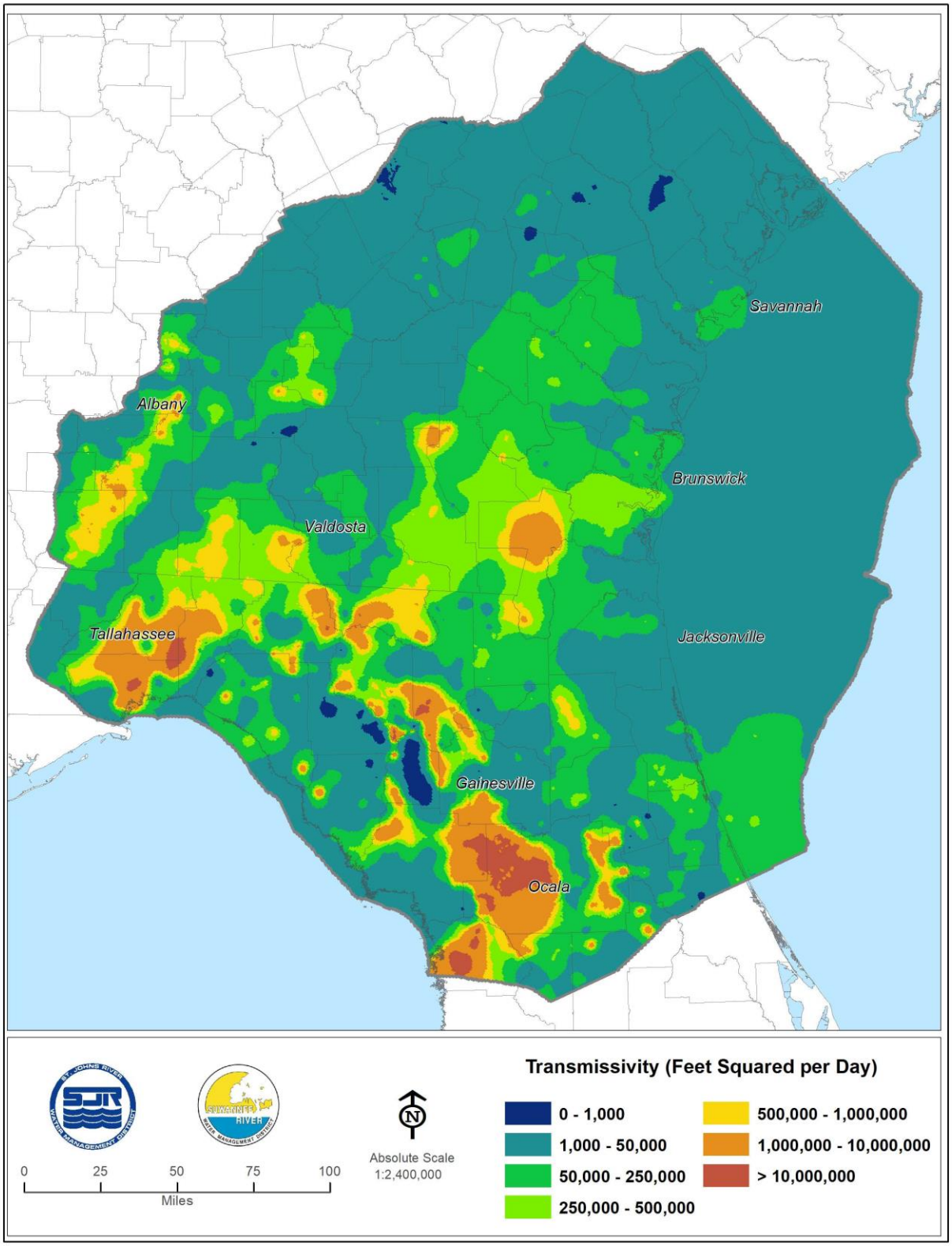


**Figure 4-74. Spatial Distribution of Transmissivity (Feet Squared per Day), Upper Floridan Aquifer – Layers 1-3 unconfined region, Layer 1 confined region**

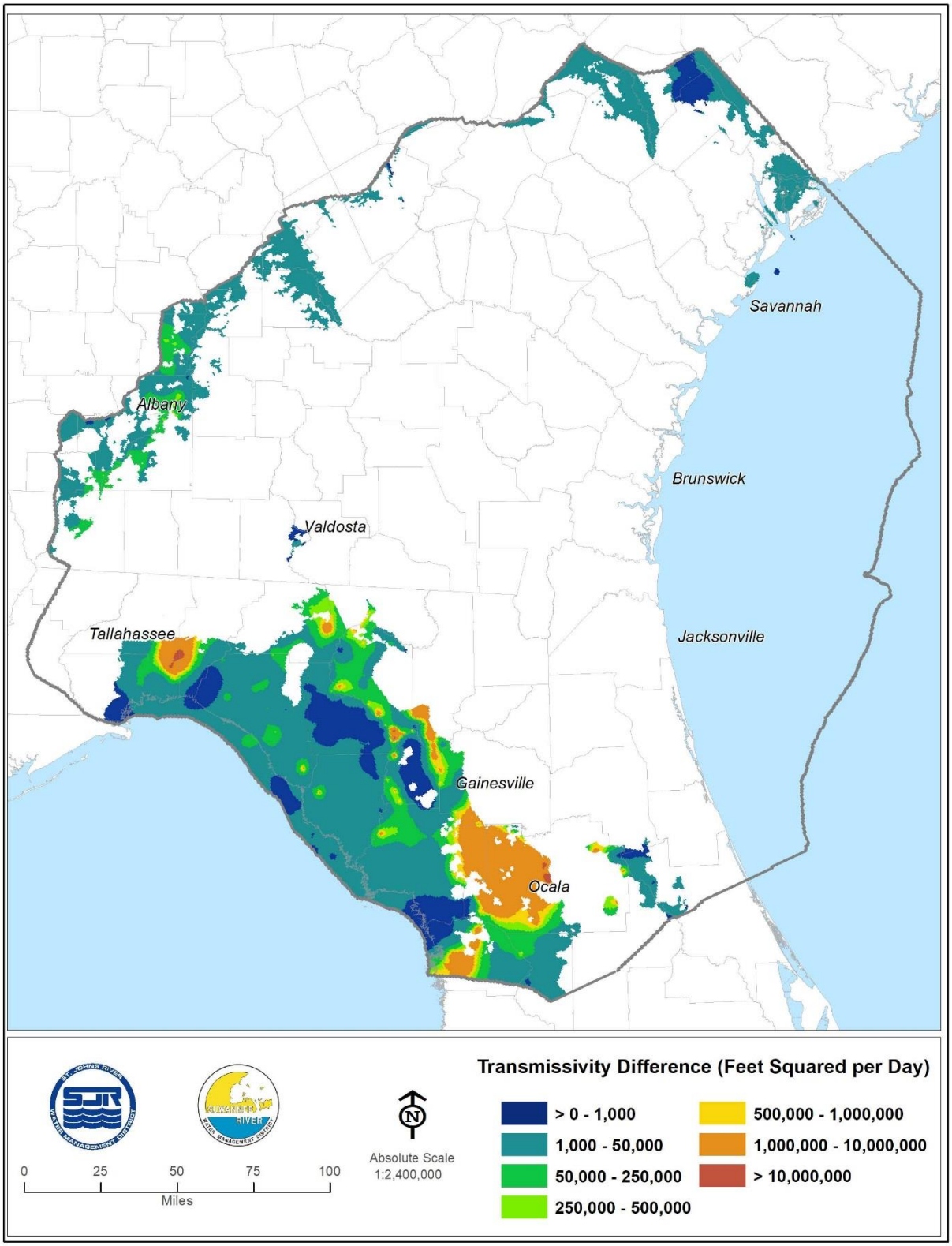


**Figure 4-75. Difference in Transmissivity of Layer-3 and Upper-Floridan-Aquifer Transmissivity Distributions (Feet Squared per Day)**

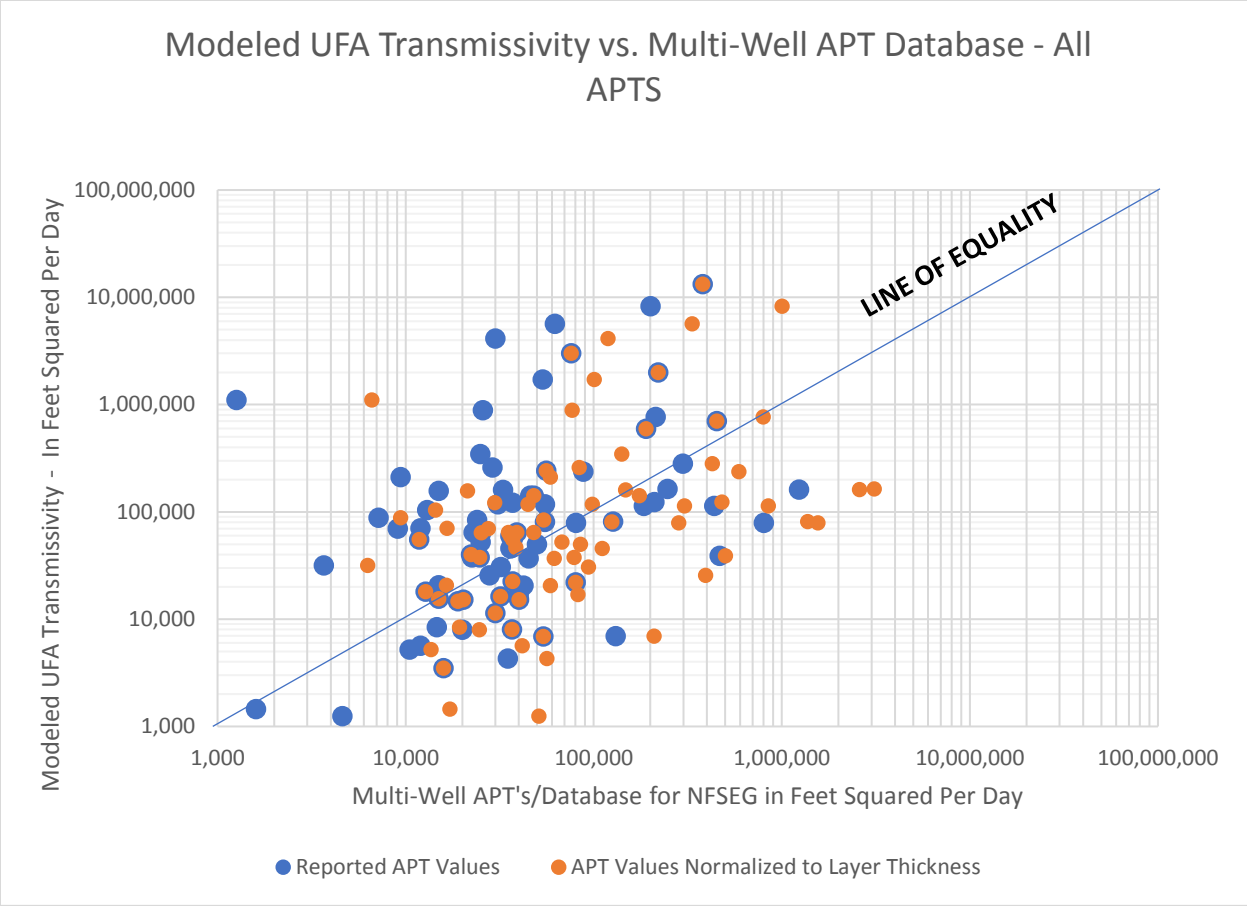


**Figure 4-76. Multi-Well-APT-Derived Transmissivity versus Calibration-Derived Transmissivity (Feet Squared per Day), Upper Floridan Aquifer**

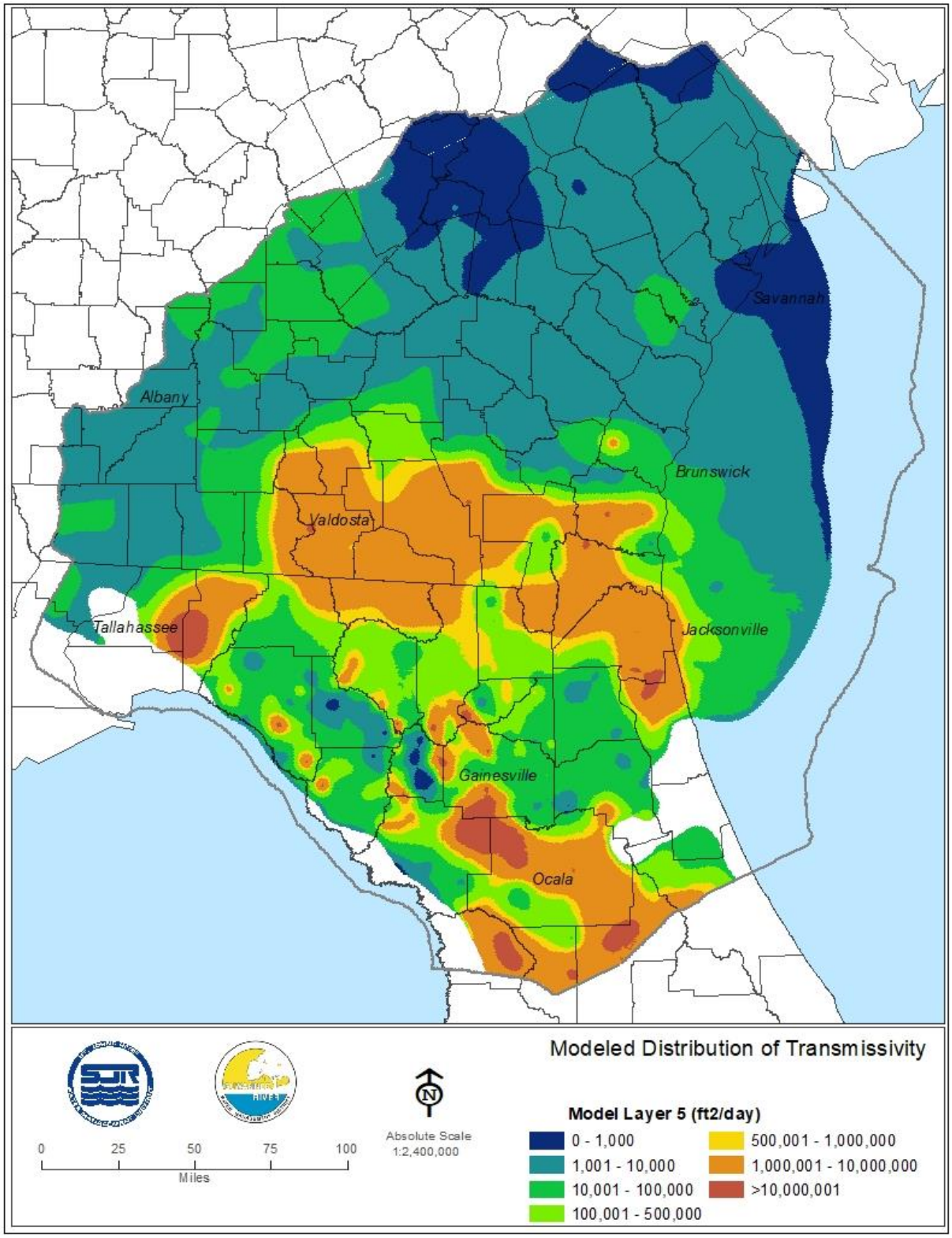


**Figure 4-77. Spatial Distribution of Transmissivity (Feet Squared/Day), Model Layer 5**

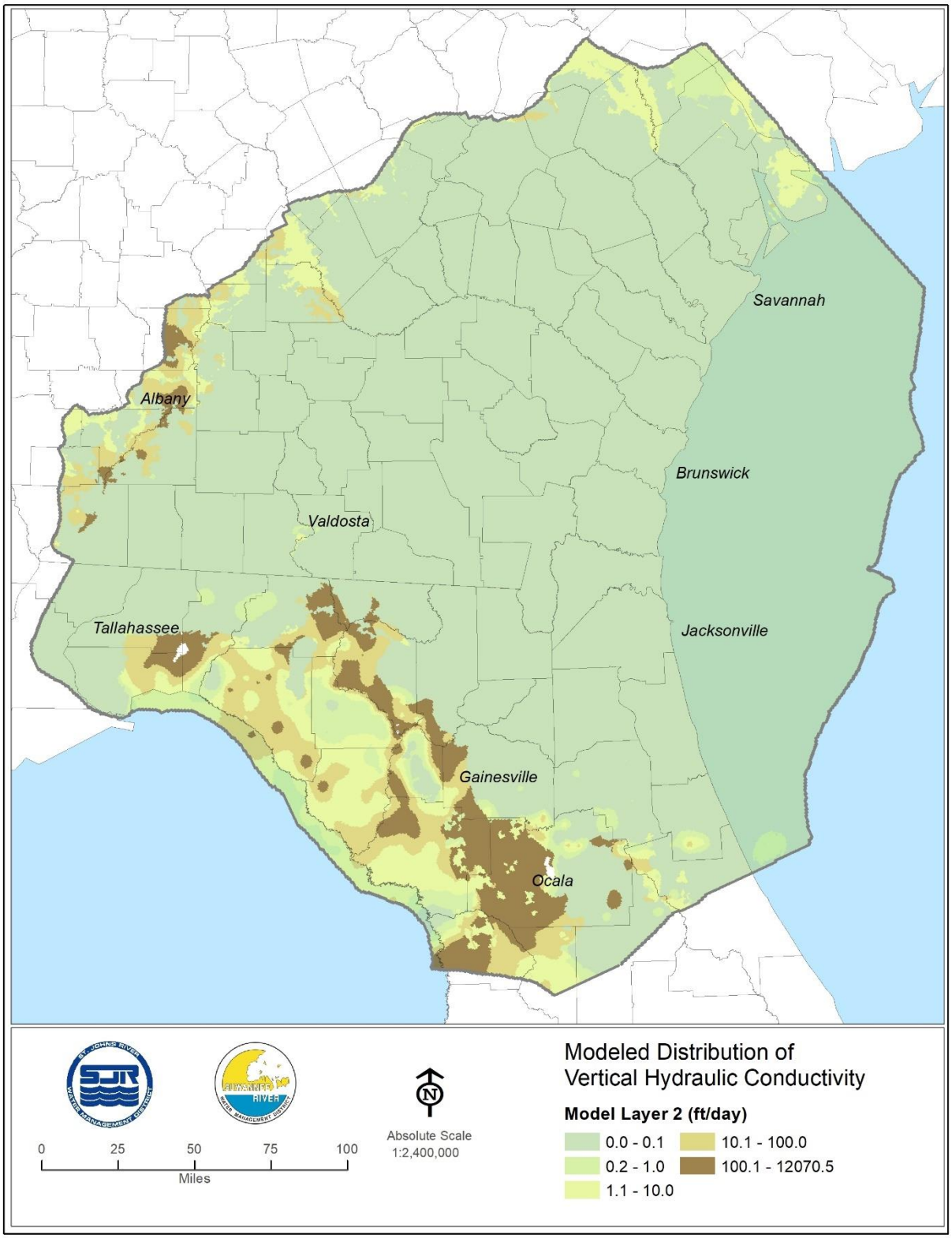


**Figure 4-78. Modeled Distribution of Vertical Hydraulic Conductivity (Feet/Day), Model Layer 2**

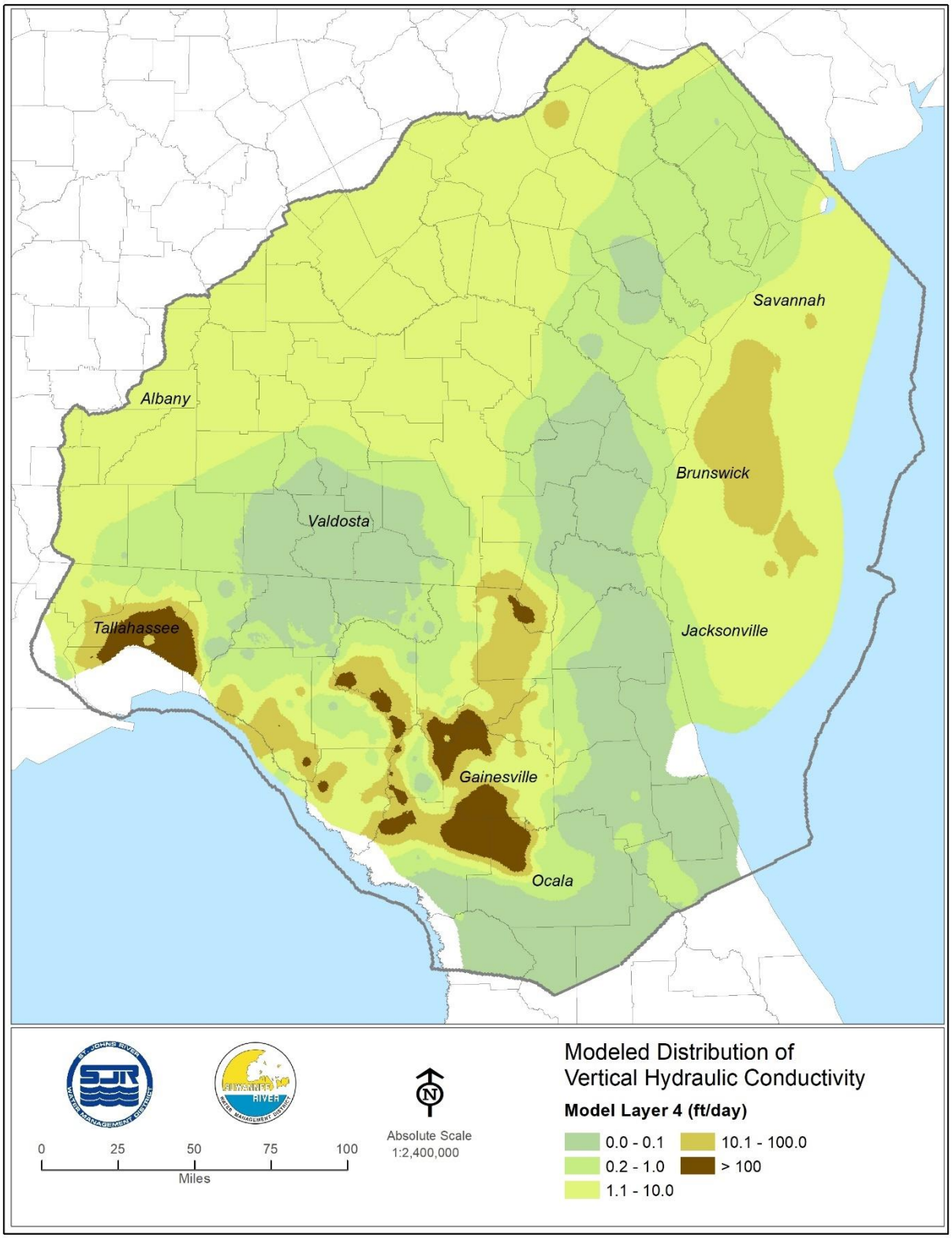


**Figure 4-79. Modeled Distribution of Vertical Hydraulic Conductivity (Feet/Day), Model Layer 4**

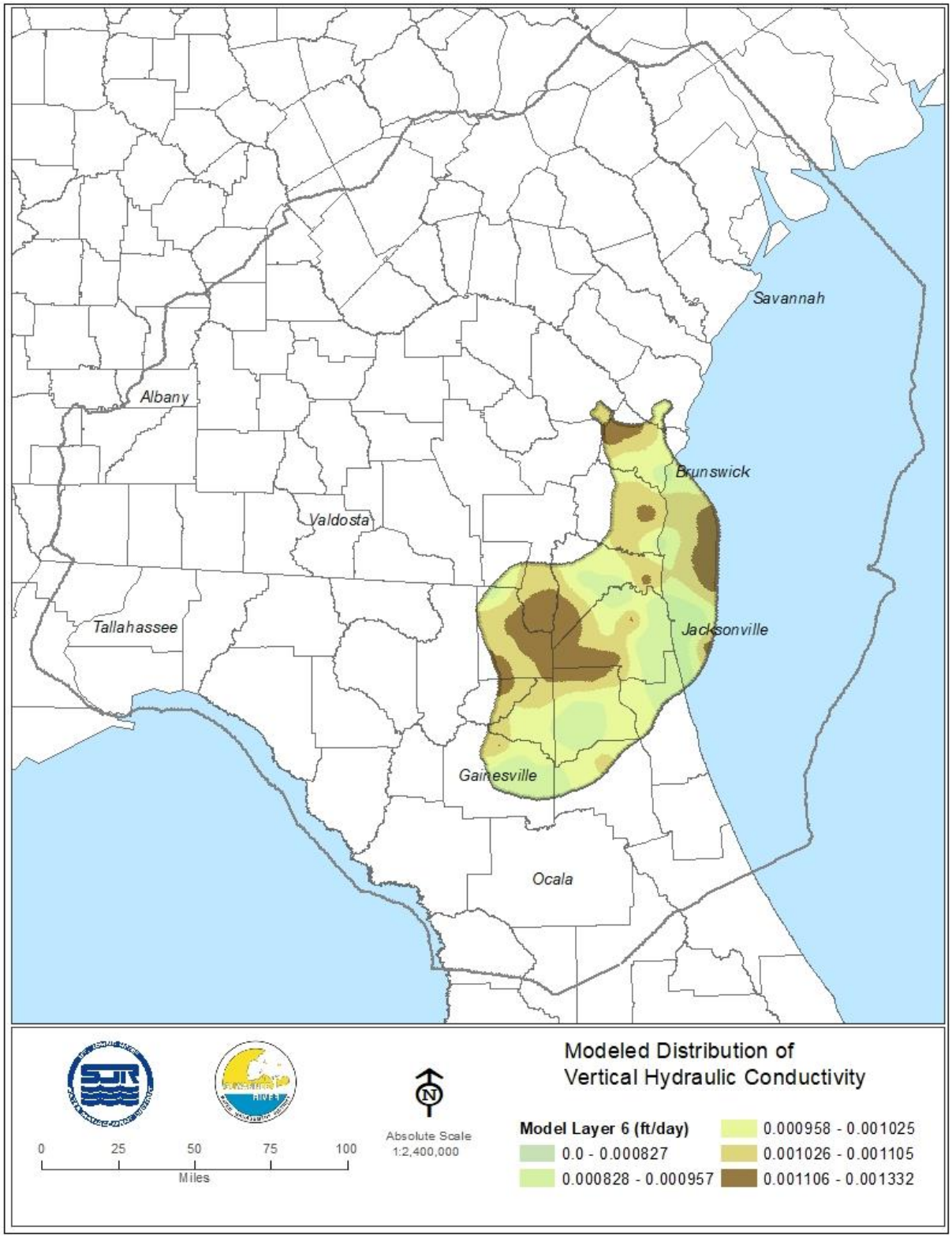


**Figure 4-80. Modeled Distribution of Vertical Hydraulic Conductivity (Feet/Day), Model Layer 6**

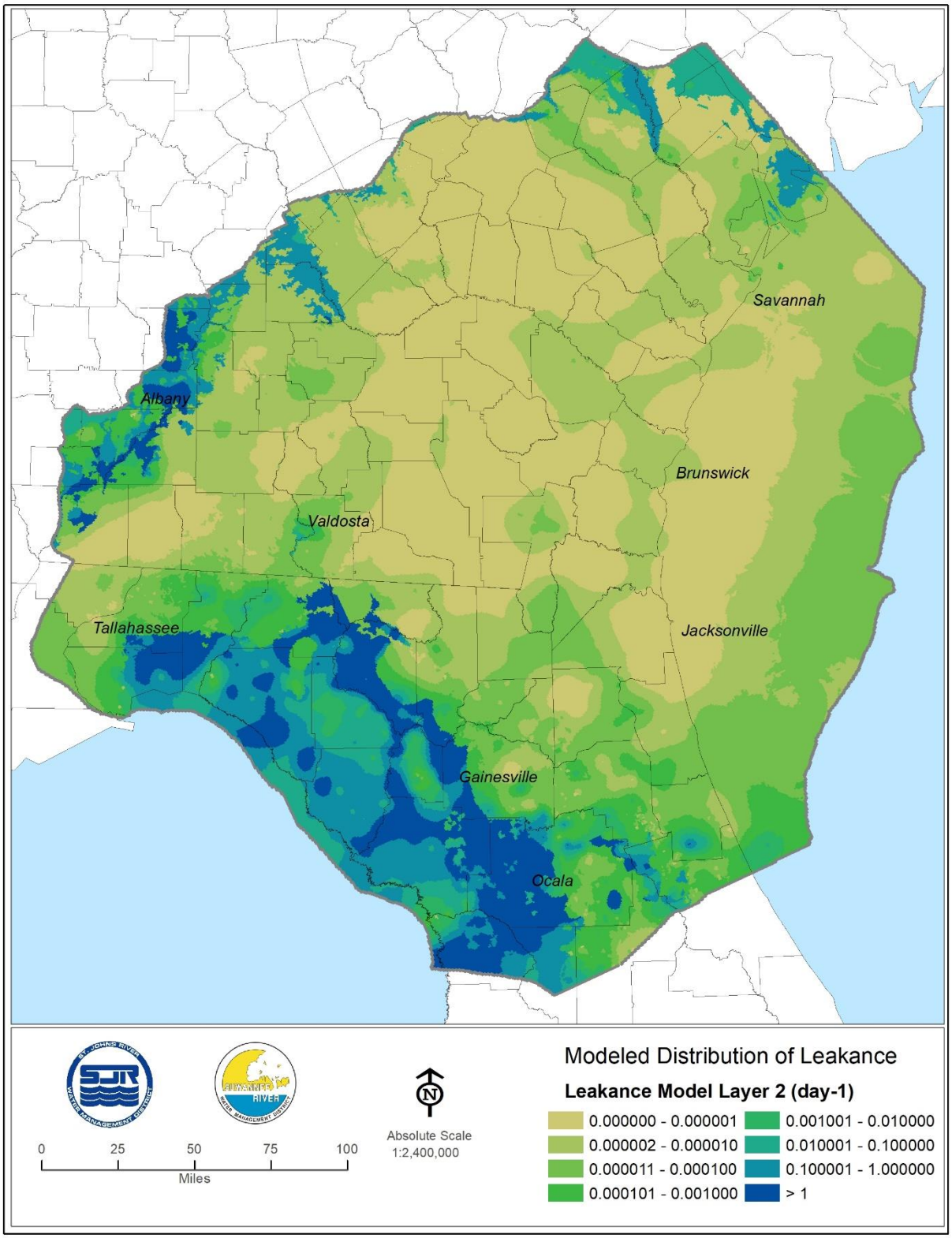


**Figure 4-81. Modeled Distribution of Leakance, Model Layer 2**

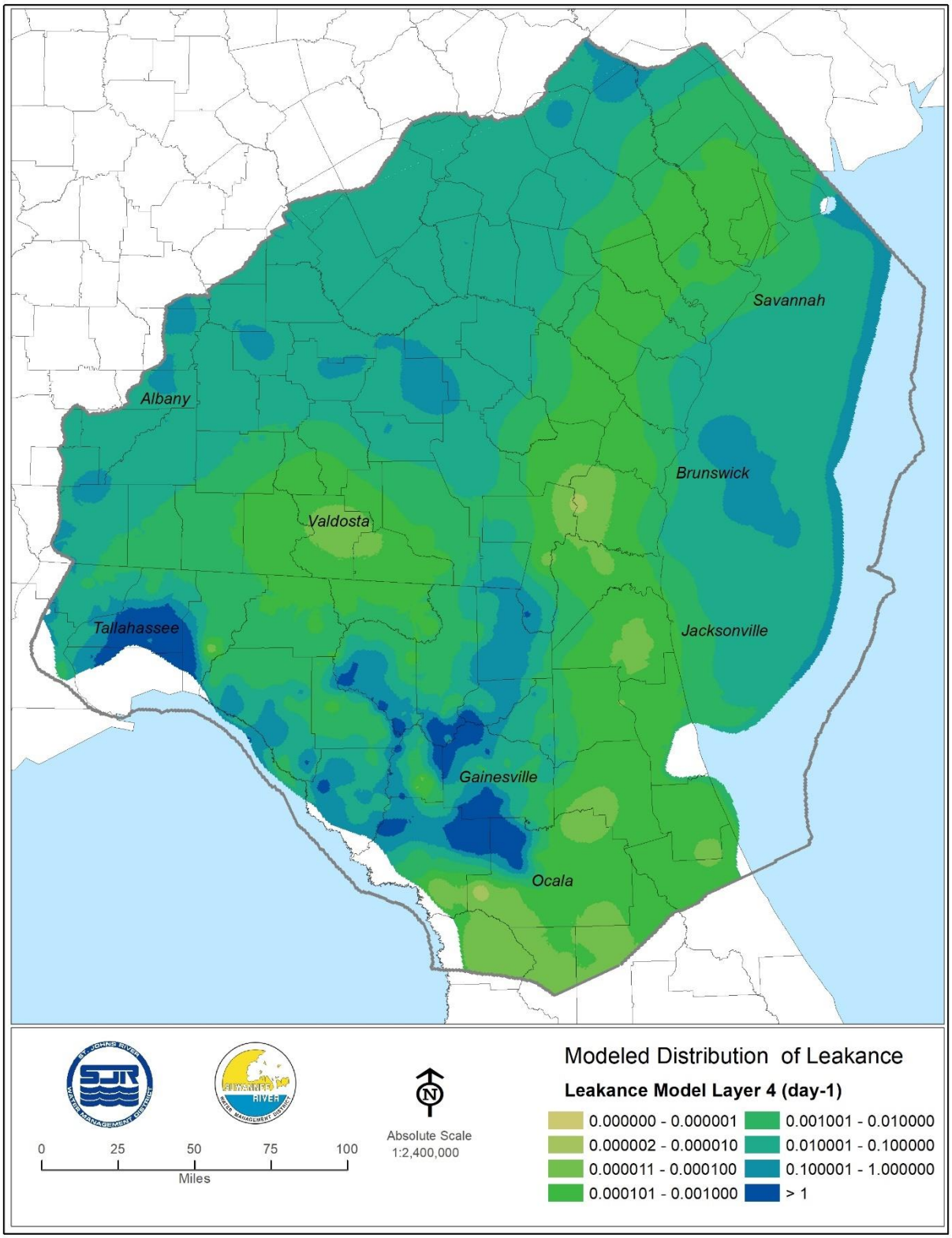


**Figure 4-82. Modeled Distribution of Leakance, Model Layer 4**