

Appendix I
EFDC Calibration and
Modeling Results

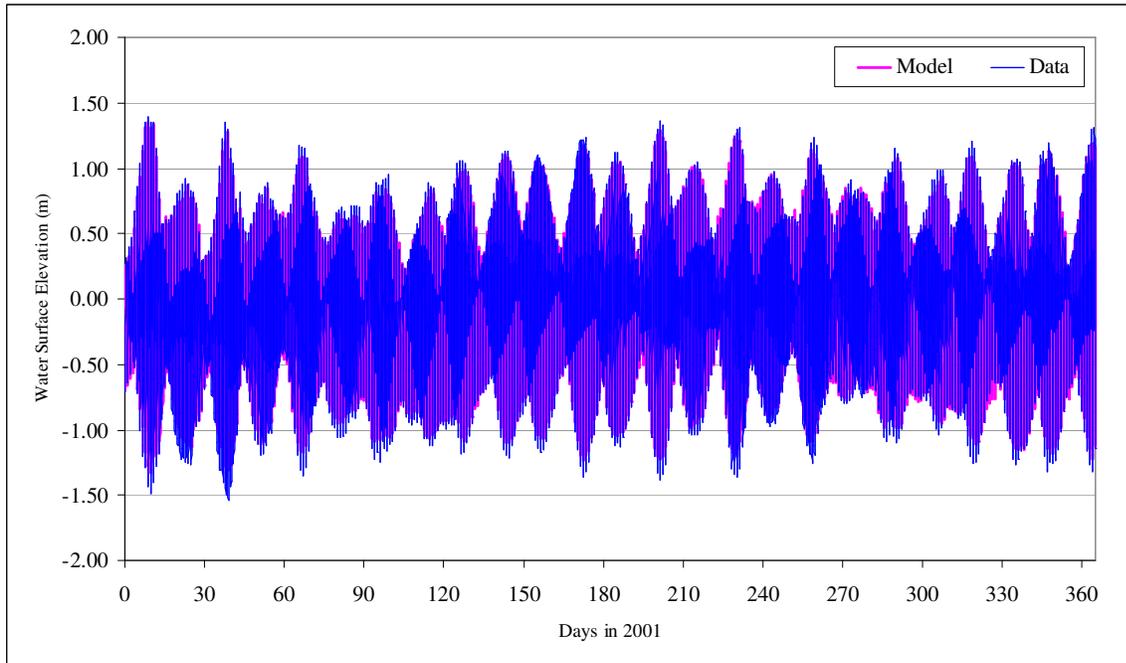


Figure I-1. Comparison of 2001 Model Computed Water Surface Elevations with Data for NOAA-COOPS Station #9410170

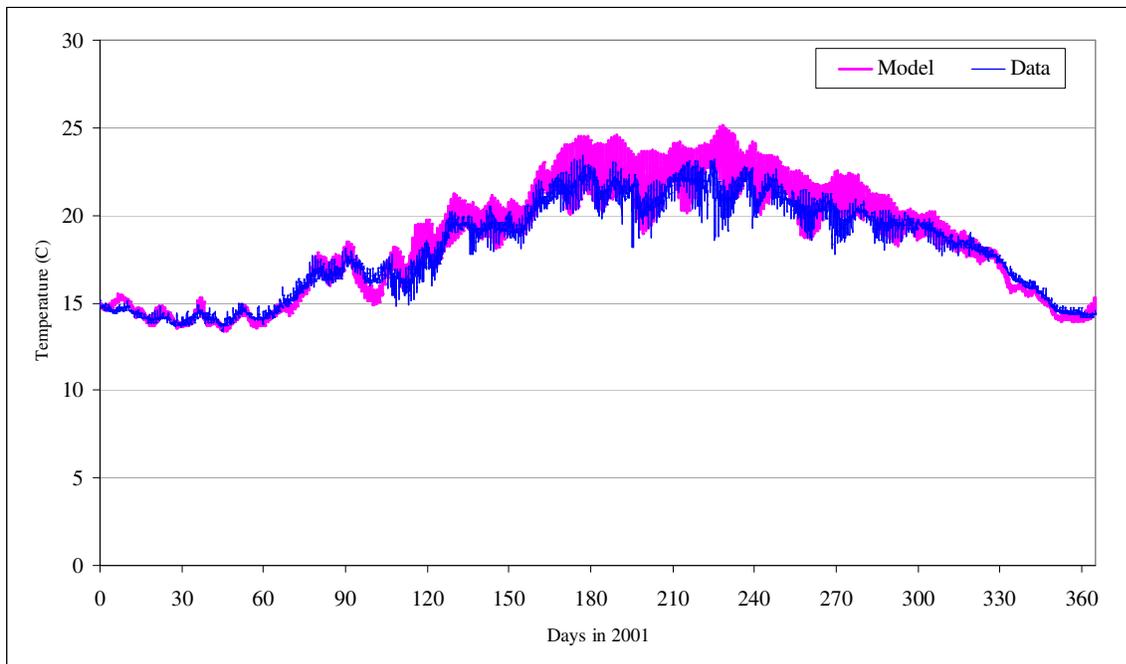


Figure I-2. Comparison of 2001 Model Computed Temperature Results with Data for NOAA-COOPS Station #9410170

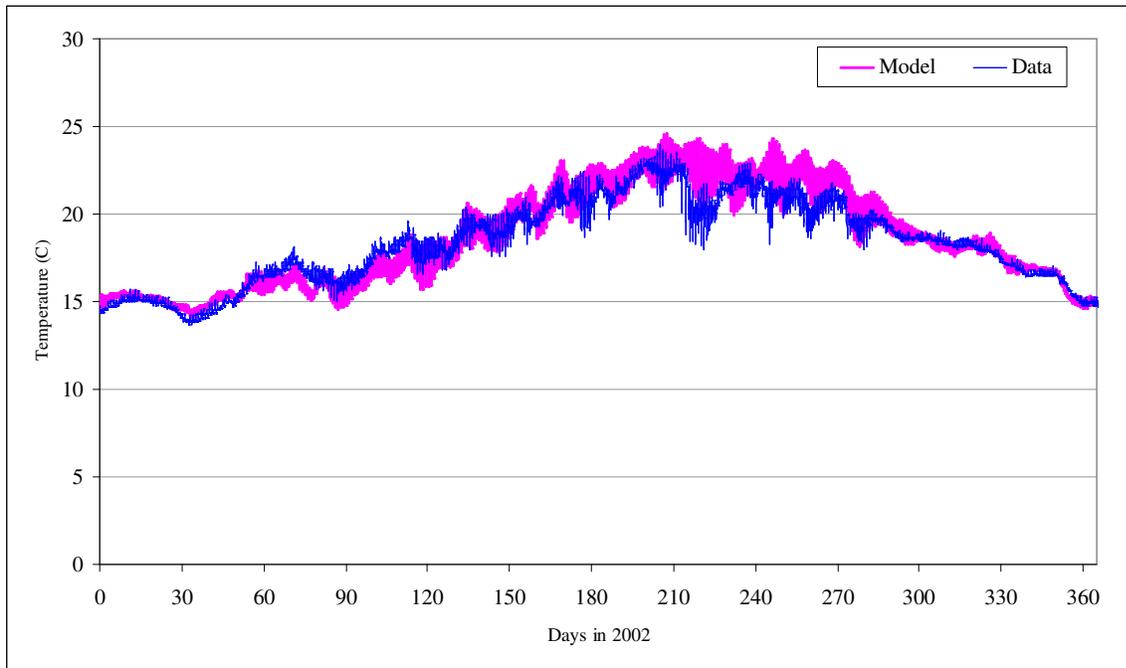


Figure I-3. Comparison of 2002 Model Computed Temperature Results with Data for NOAA-COOPS Station #9410170

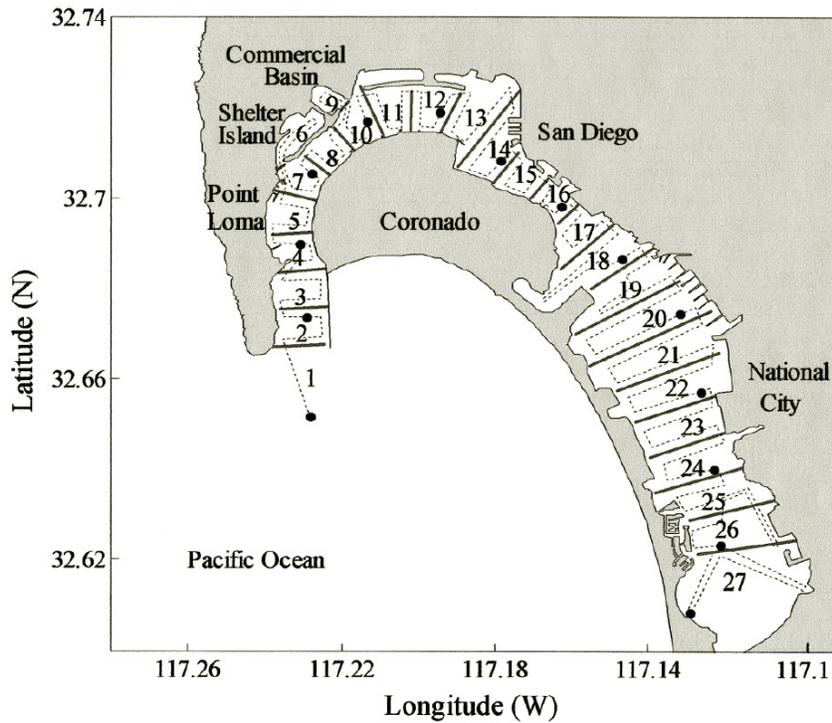


Figure I-4. Map of Temperature and Salinity Sampling Stations in San Diego Bay (SPAWAR, 2005)

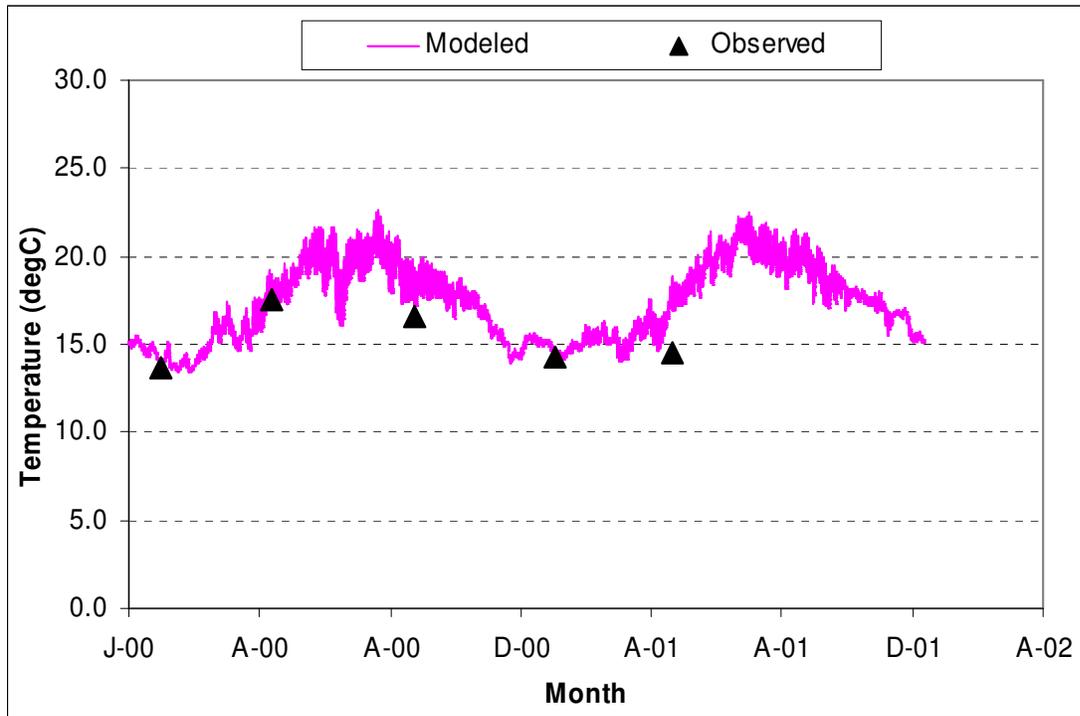


Figure I-5. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #1

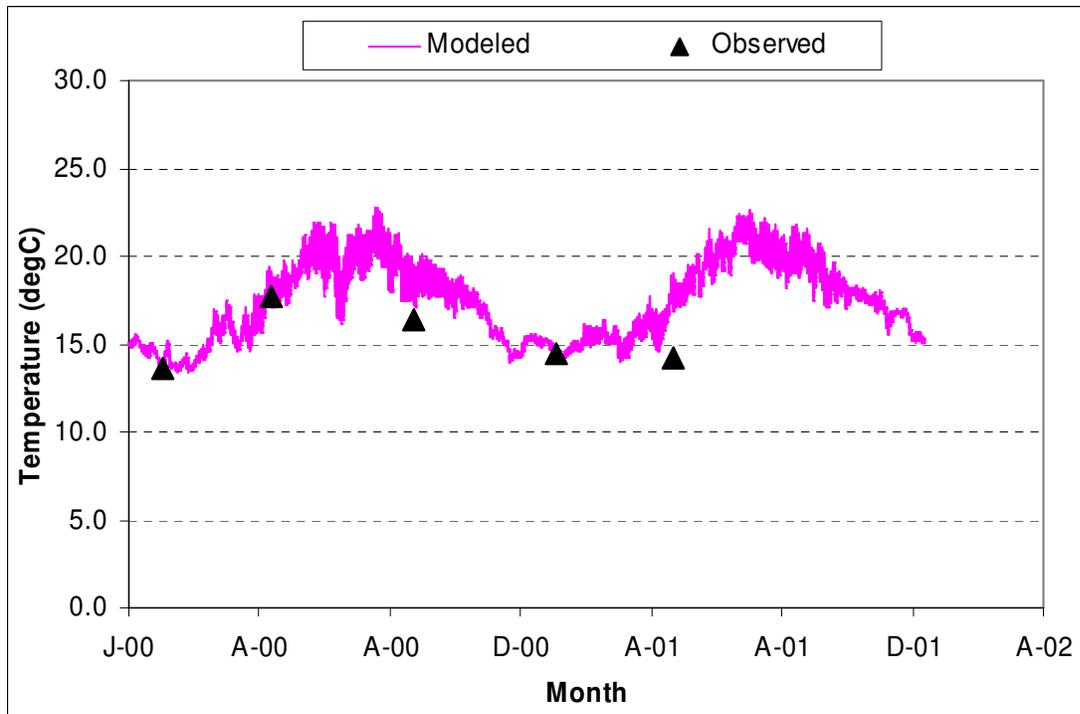


Figure I-6. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #2

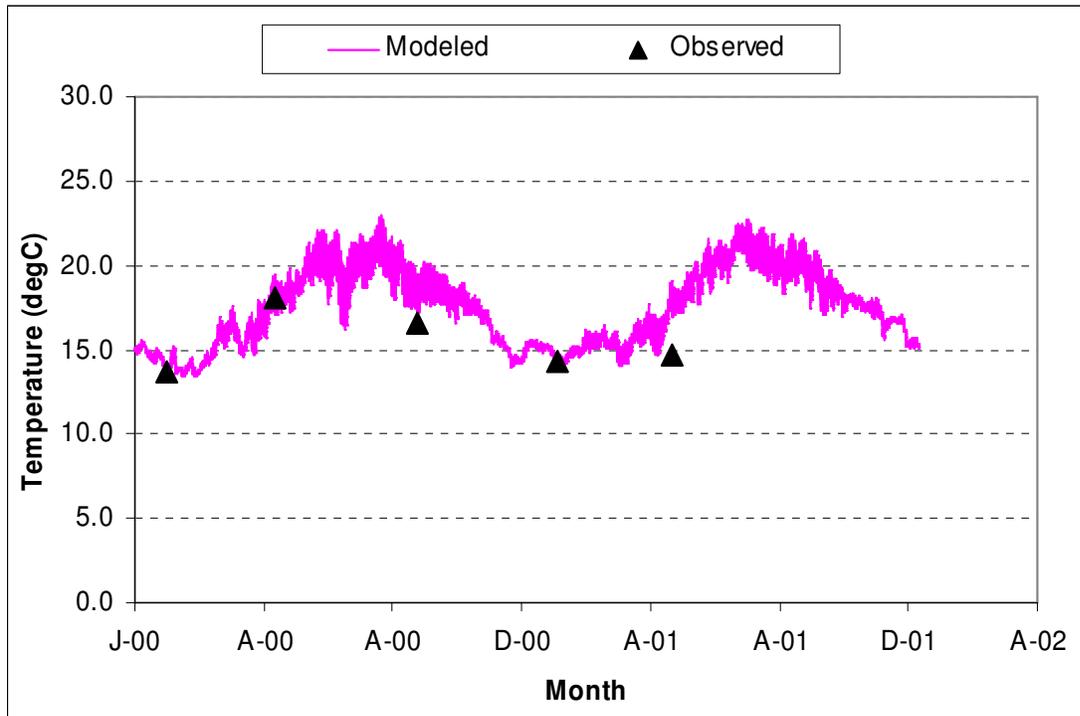


Figure I-7. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #3

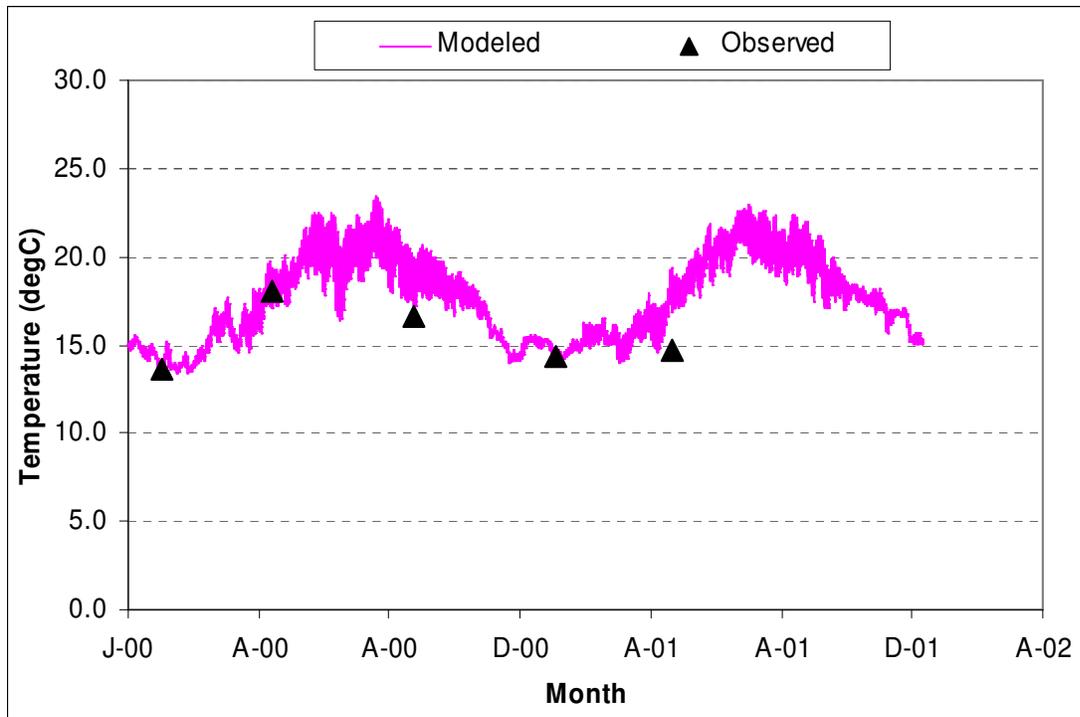


Figure I-8. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #4

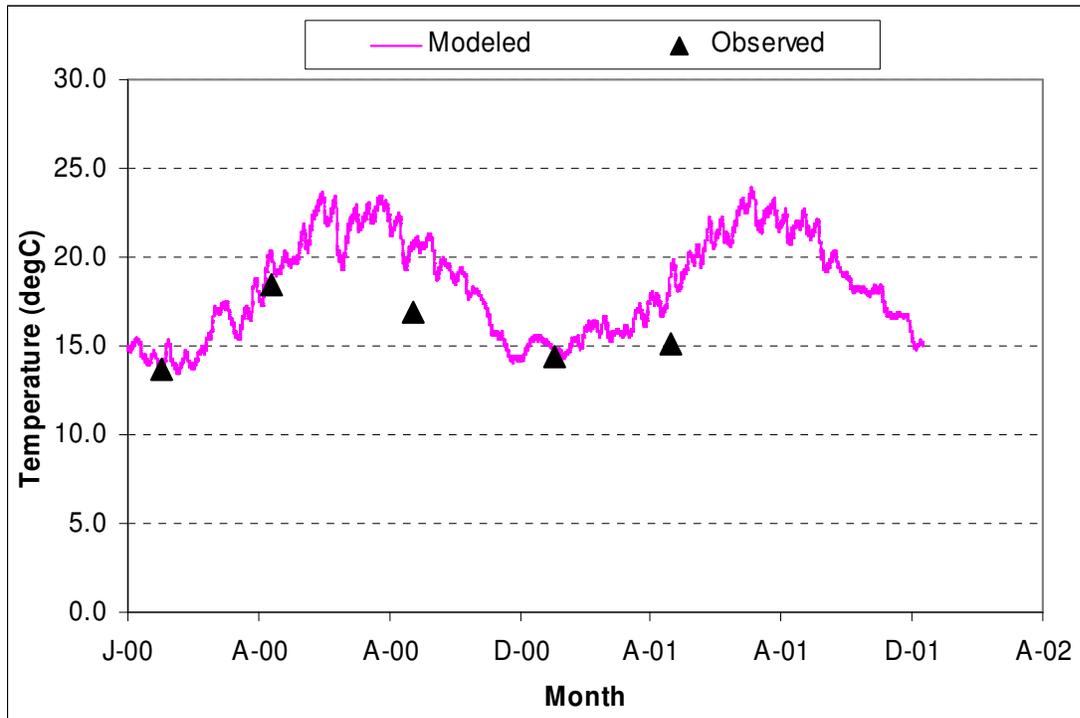


Figure I-9. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #5

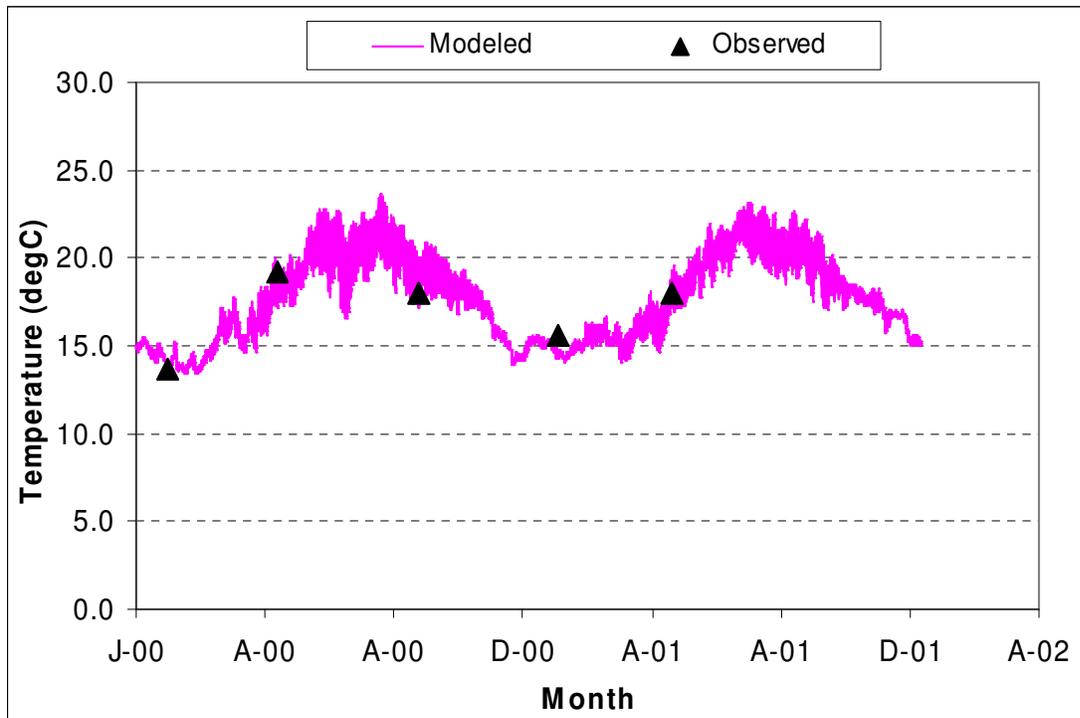


Figure I-10. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #6

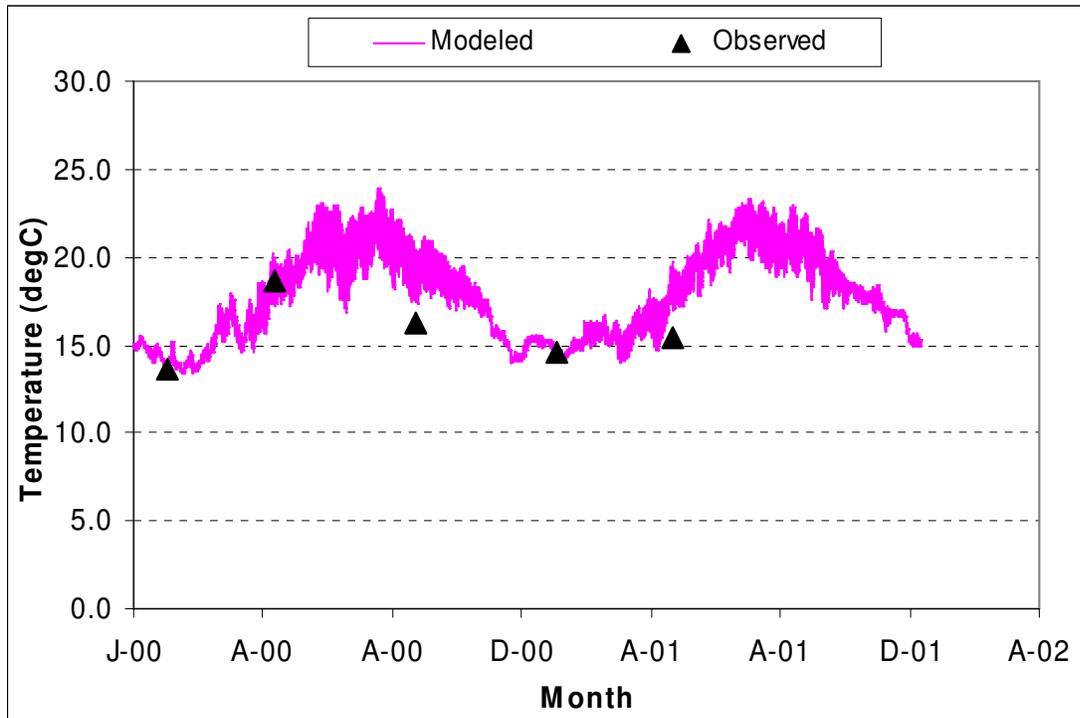


Figure I-11. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #7

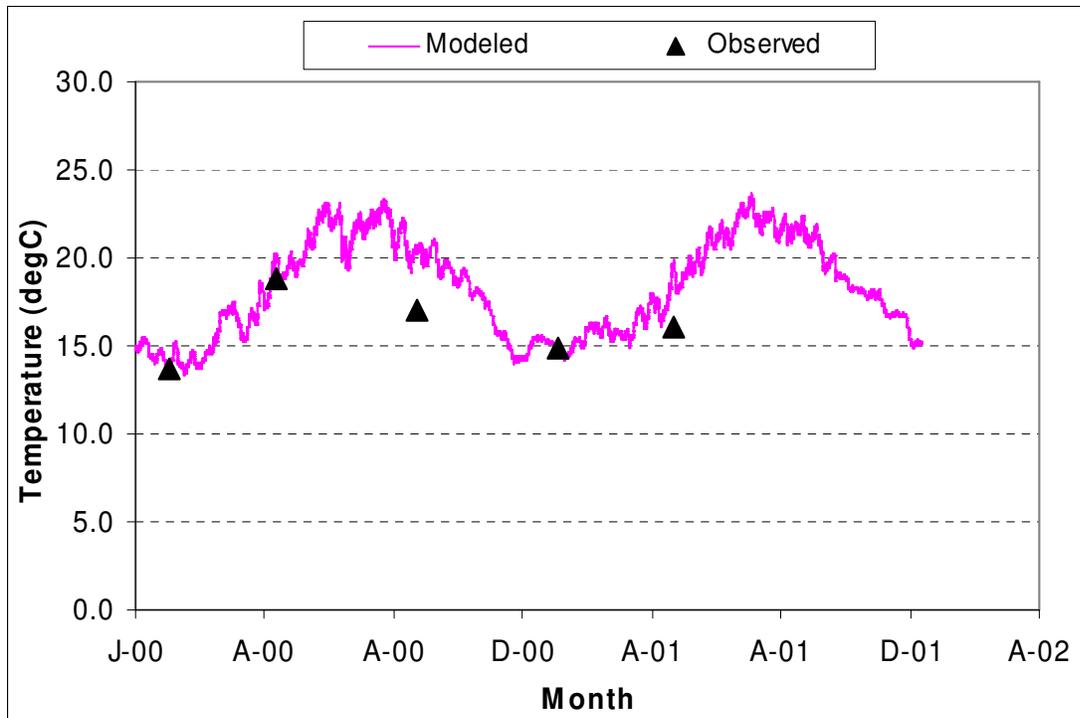


Figure I-12. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #8

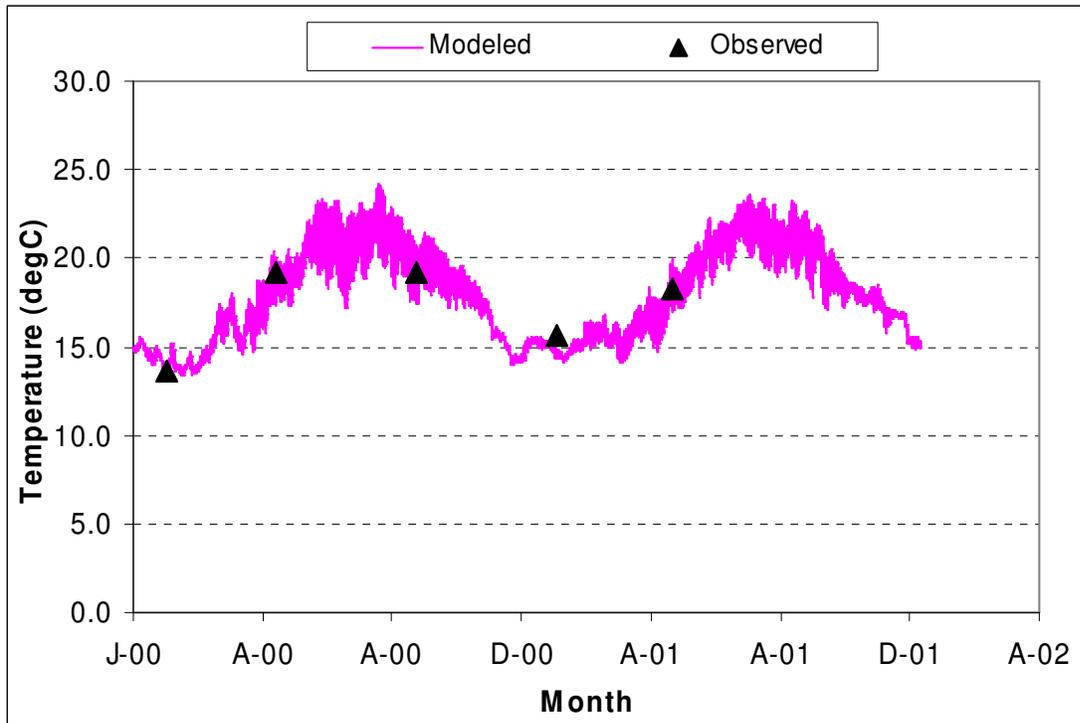


Figure I-13. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #9

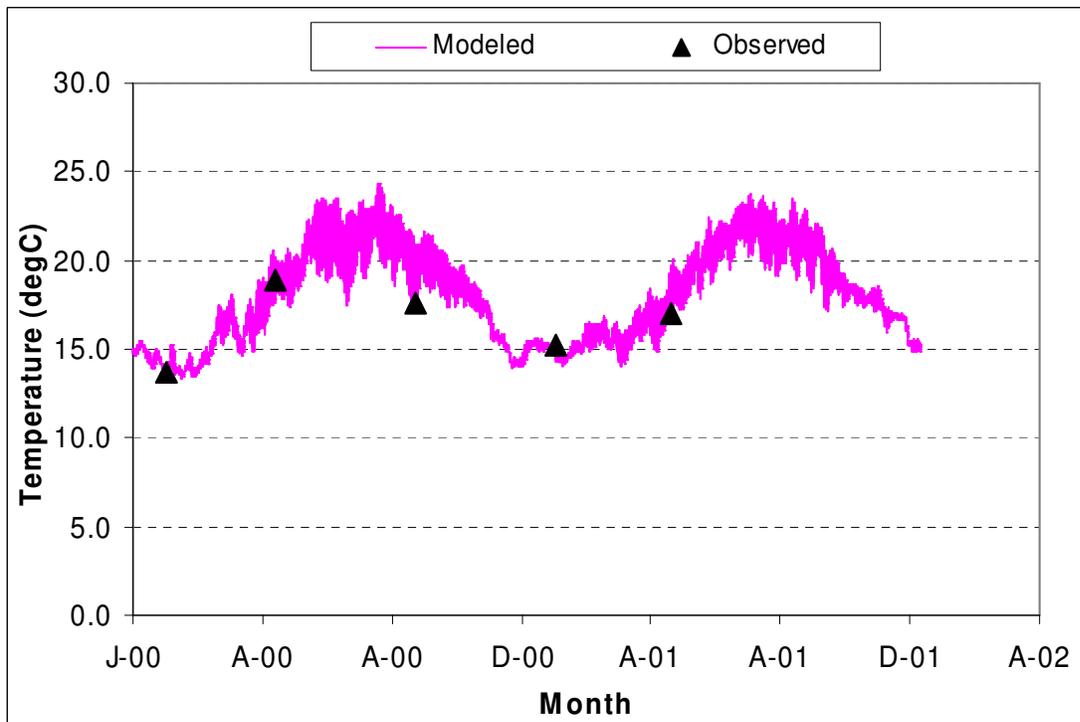


Figure I-14. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #10

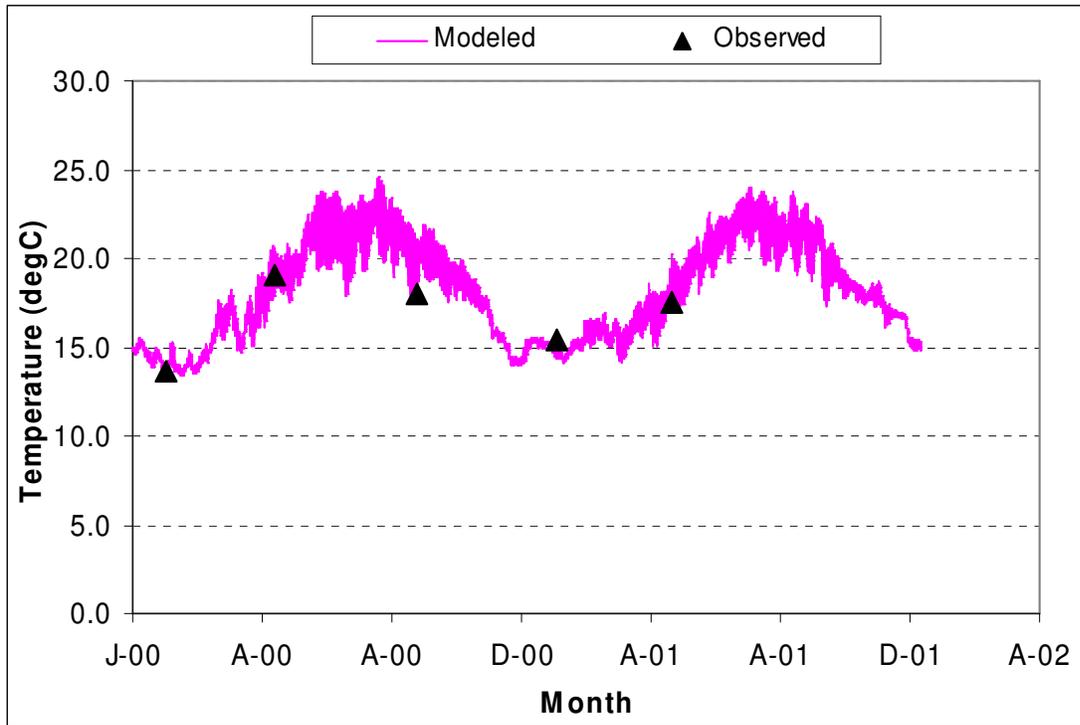


Figure I-15. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #11

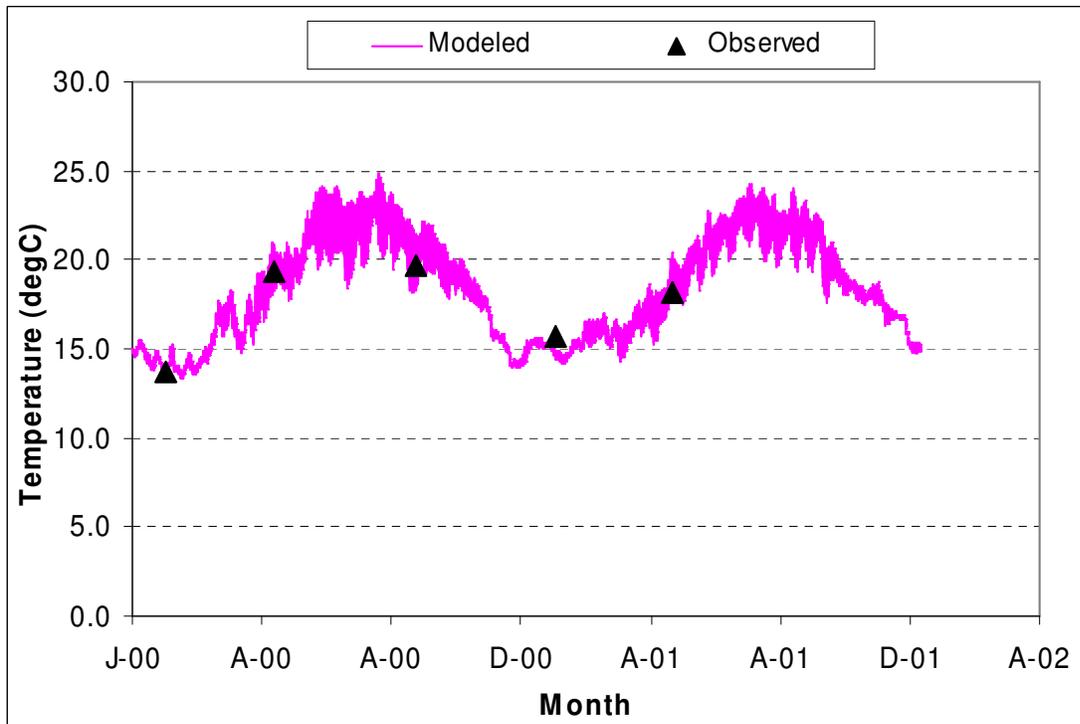


Figure I-16. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #12

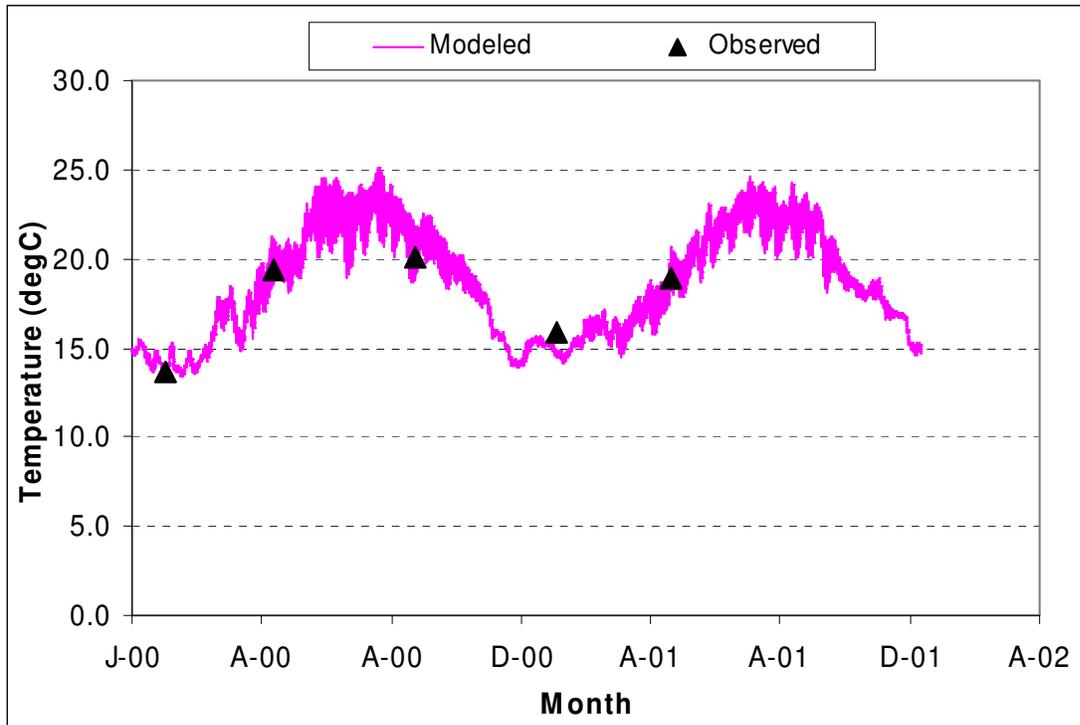


Figure I-17. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #13

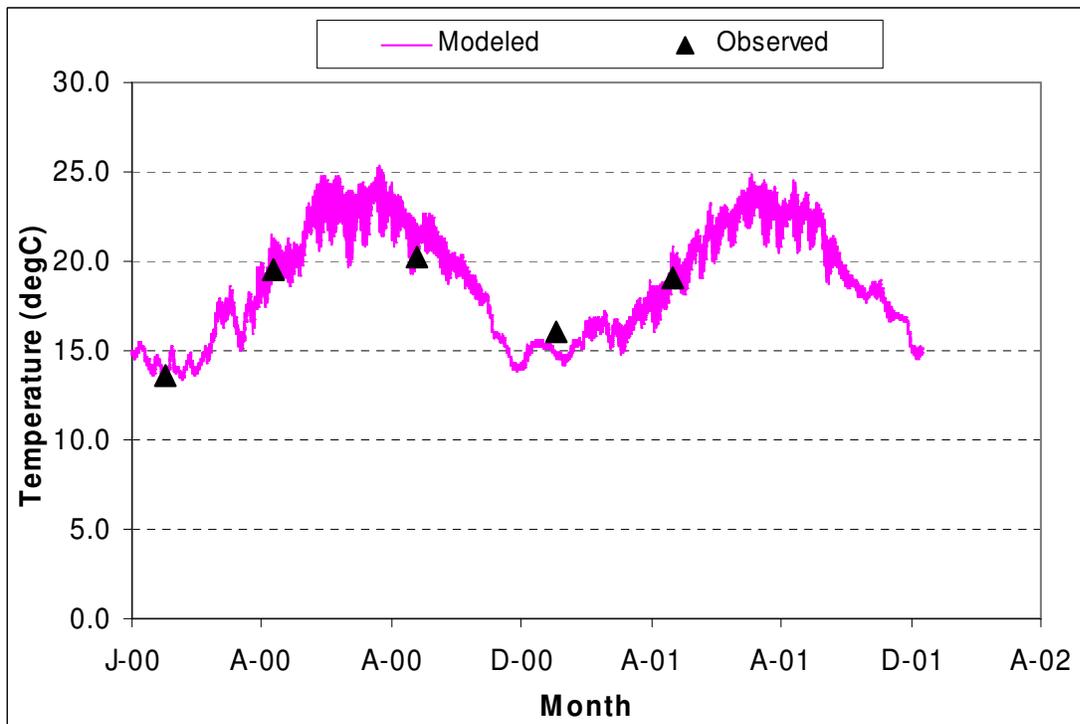


Figure I-18. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #14

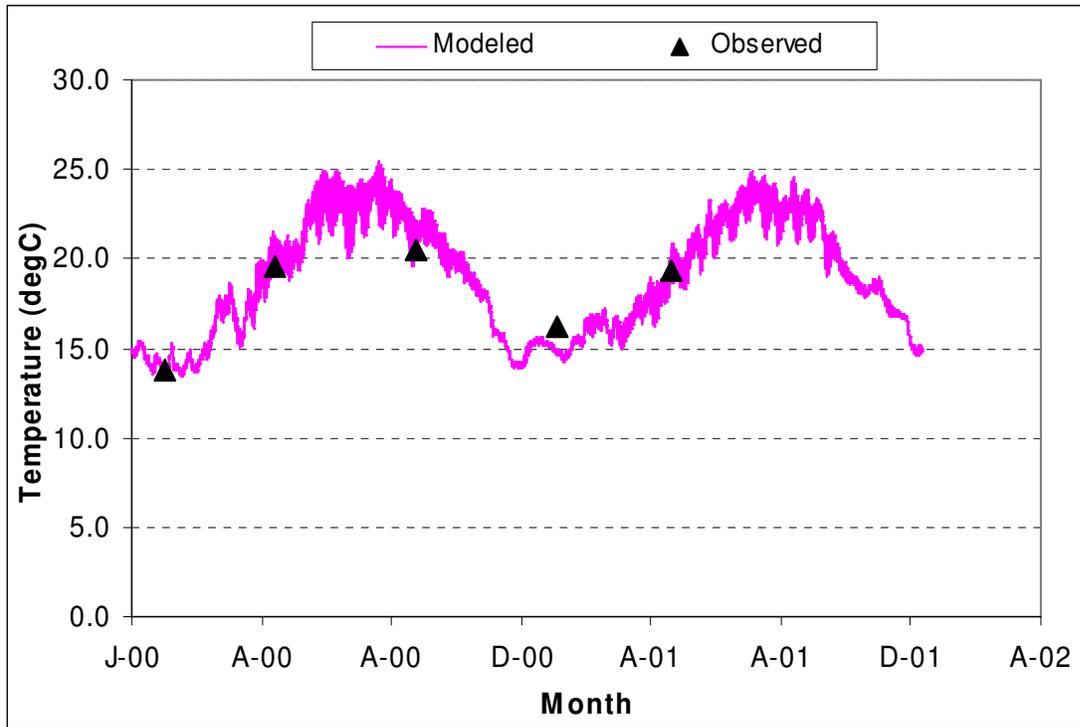


Figure I-19. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #15

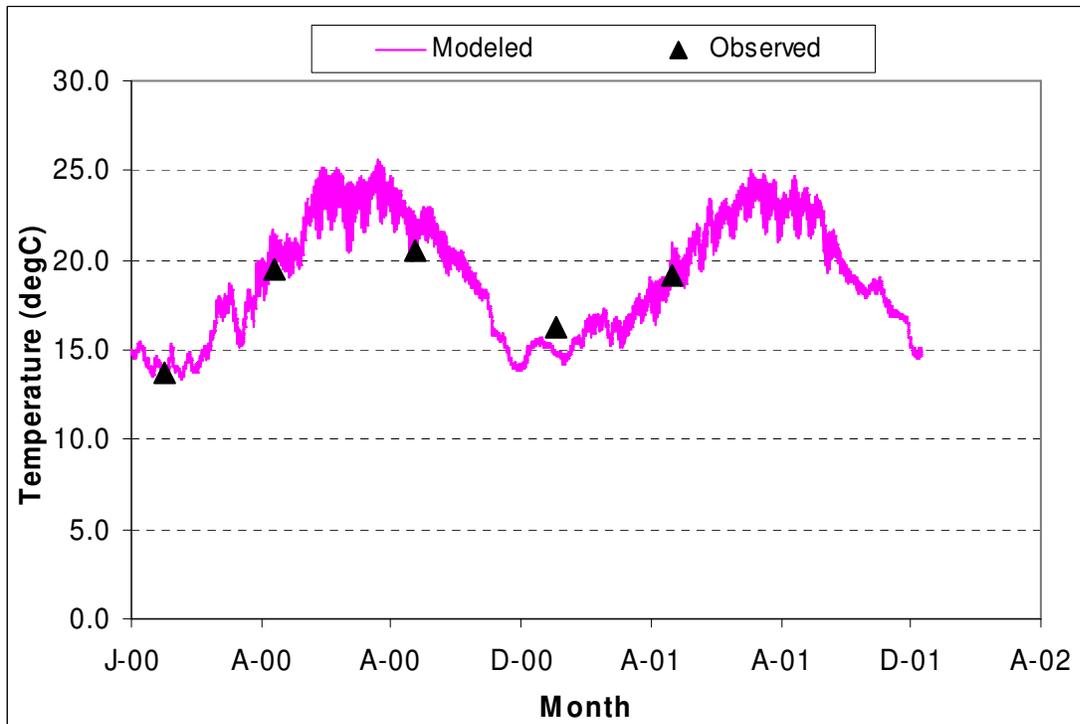


Figure I-20. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #16

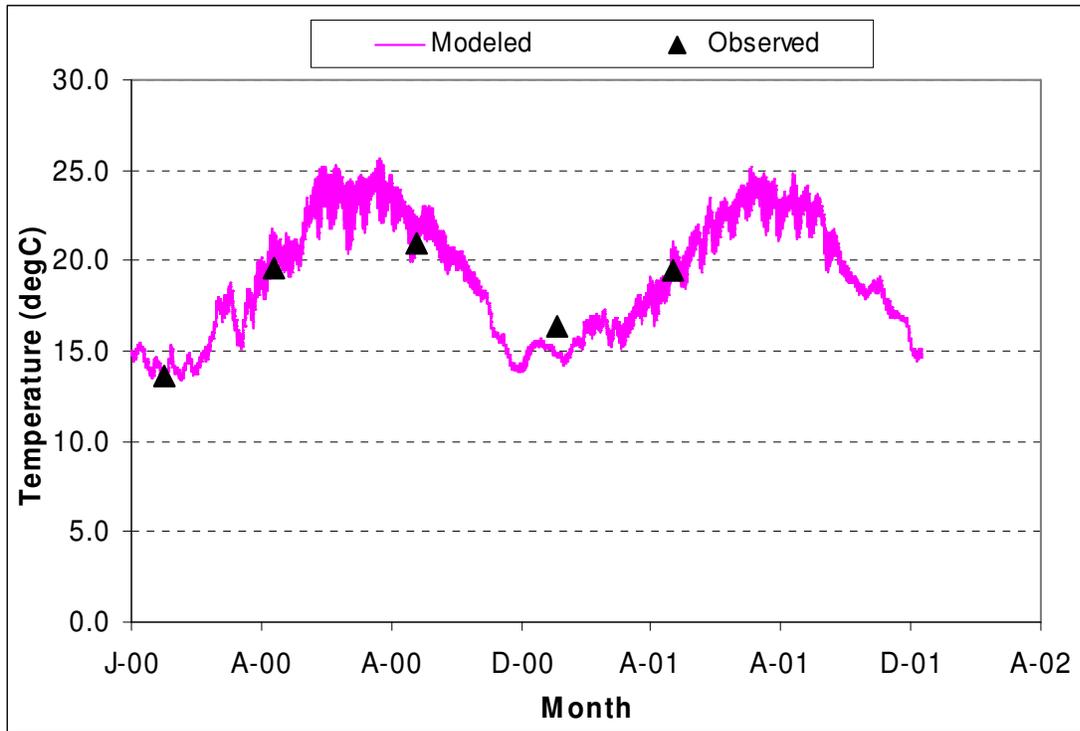


Figure I-21. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #17

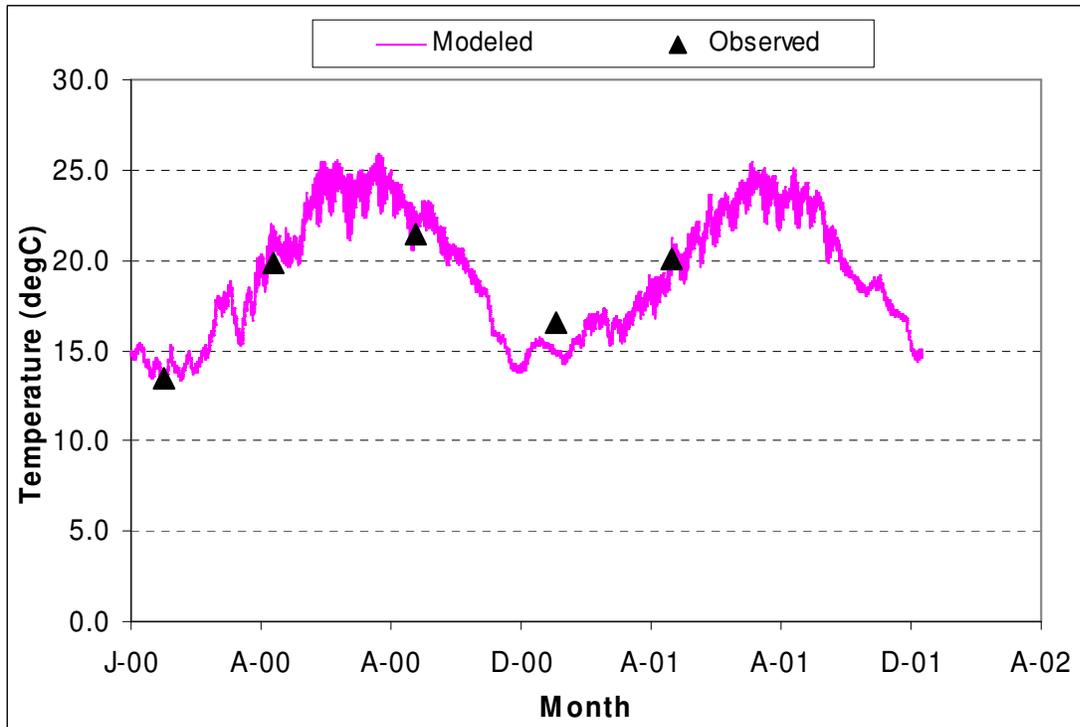


Figure I-22. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #18

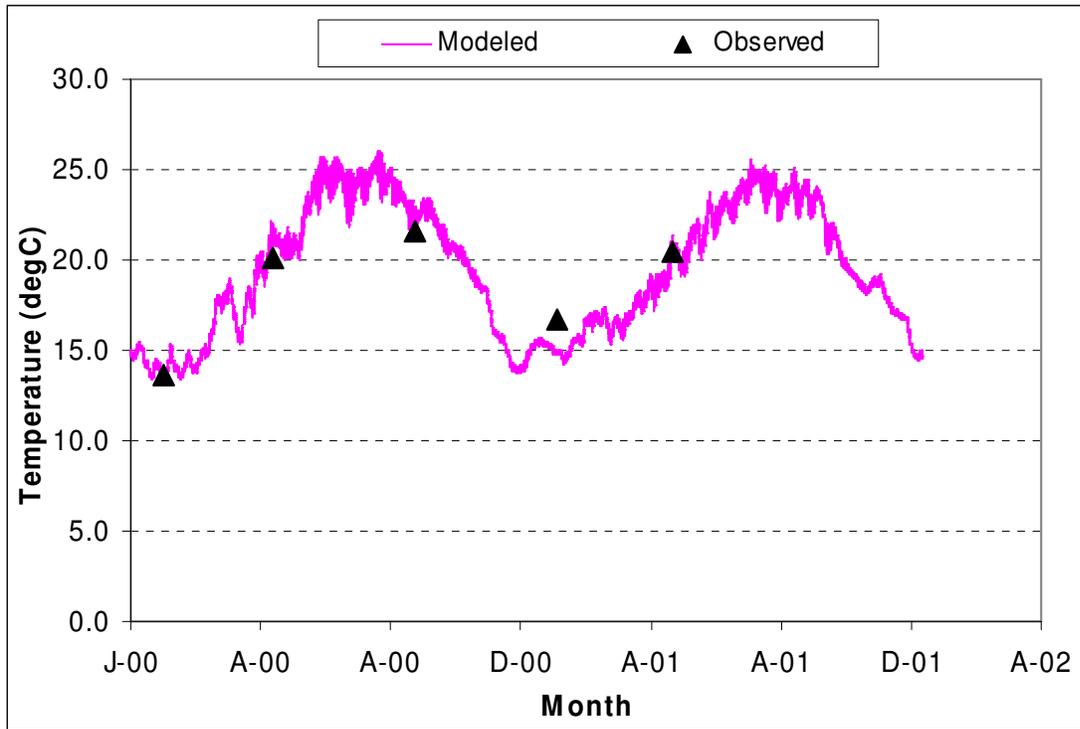


Figure I-23. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #19

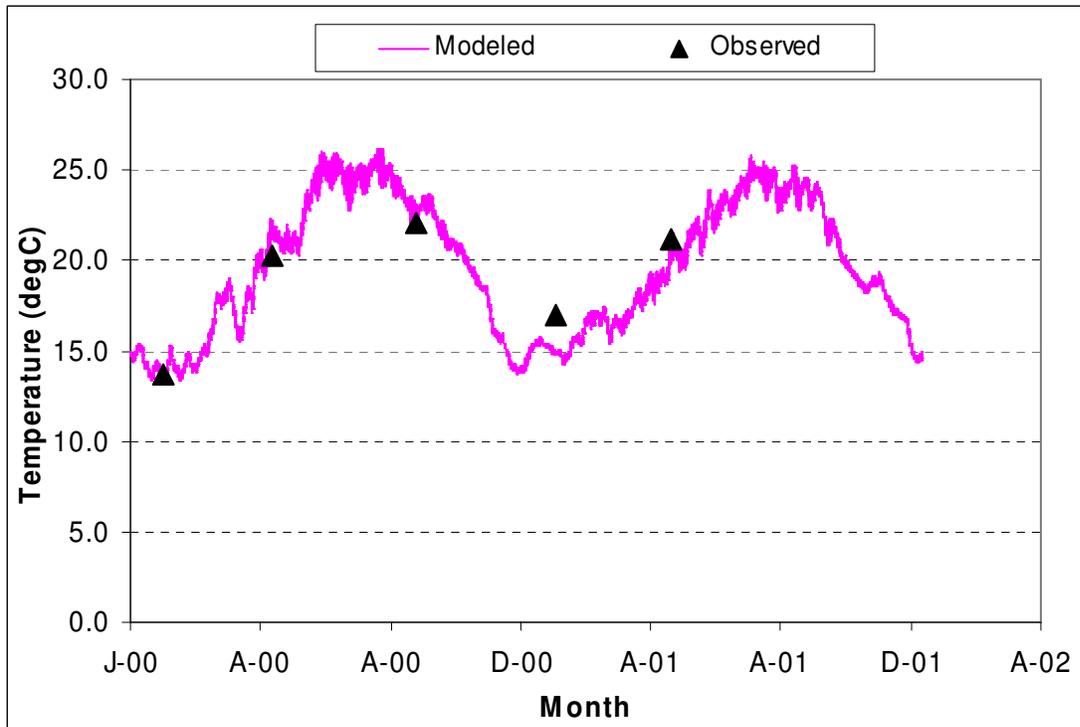


Figure I-24. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #20

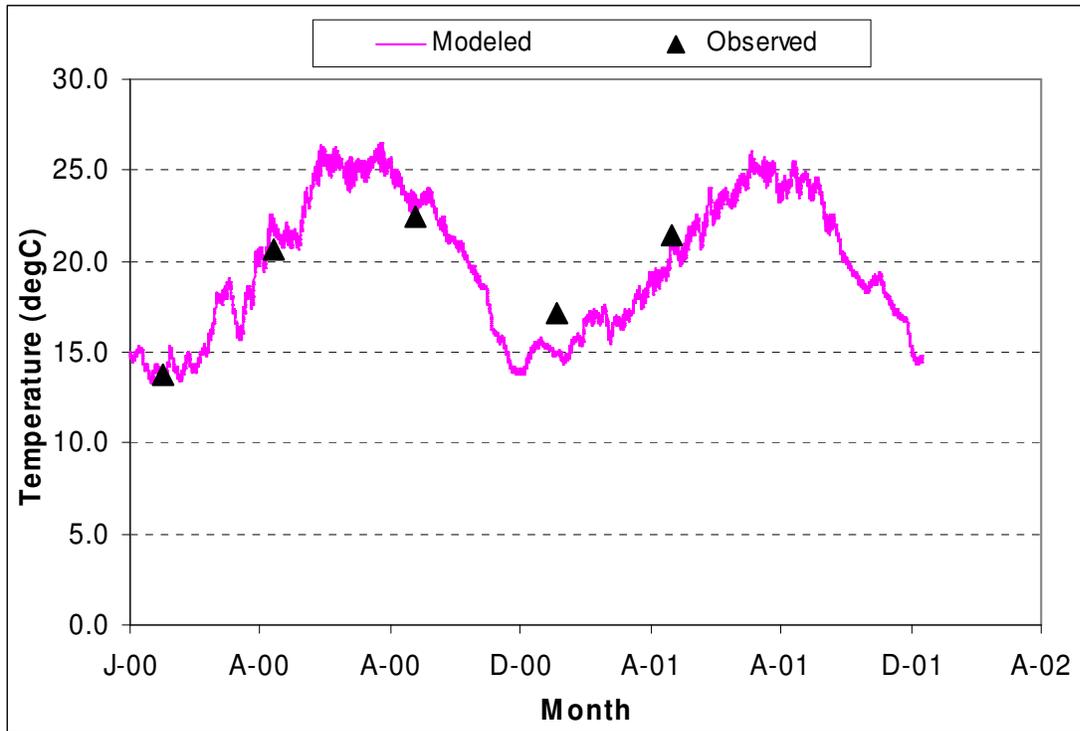


Figure I-25. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #21

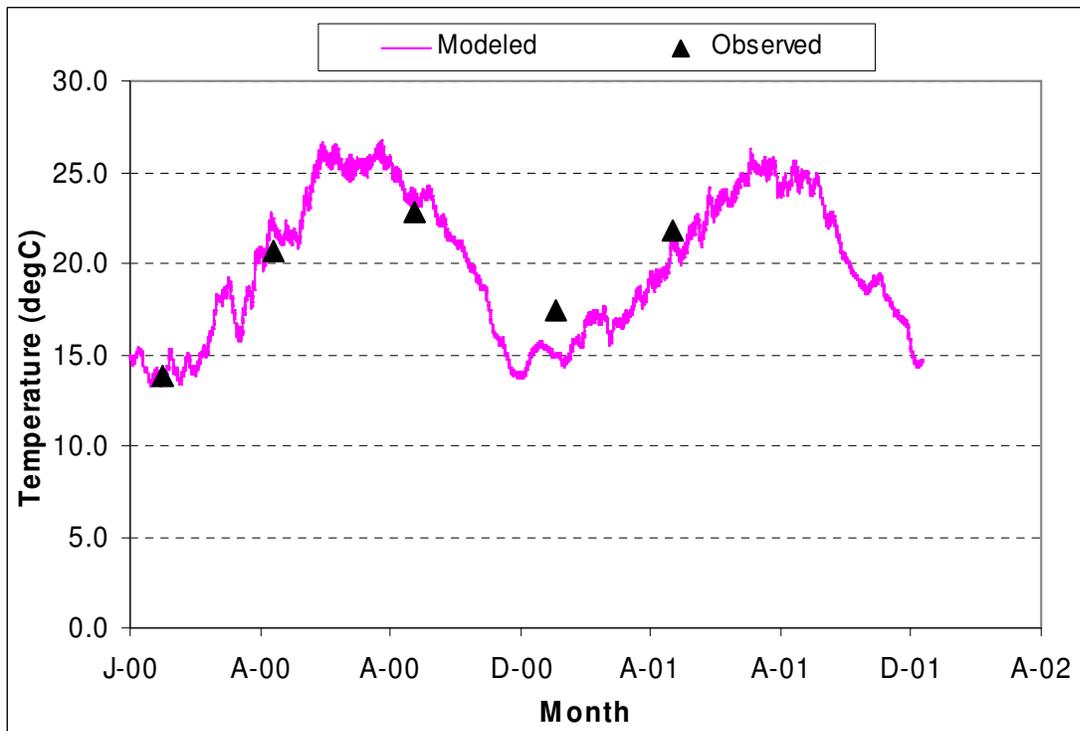


Figure I-26. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #22

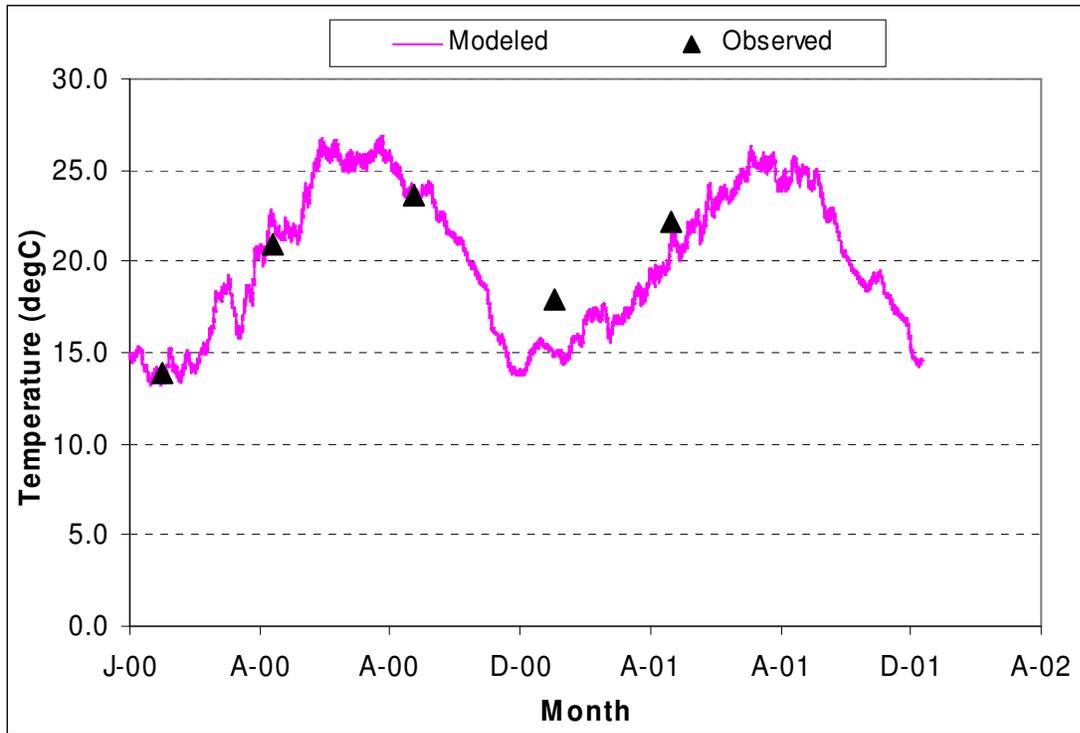


Figure I-27. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #23

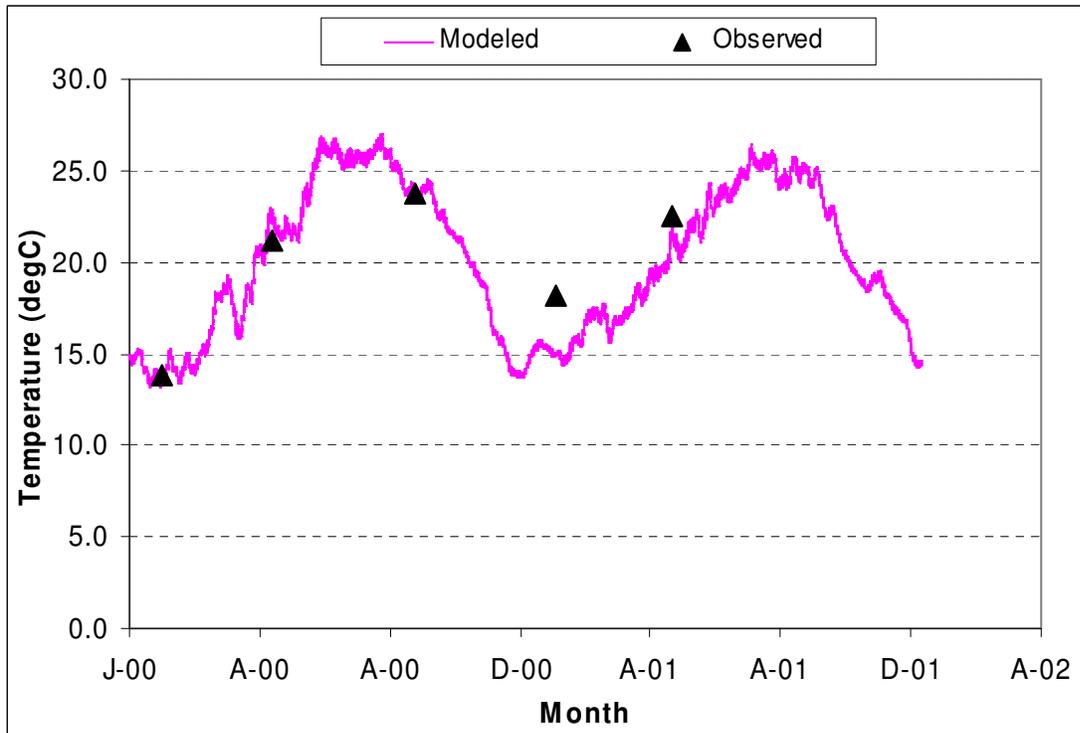


Figure I-28. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #24

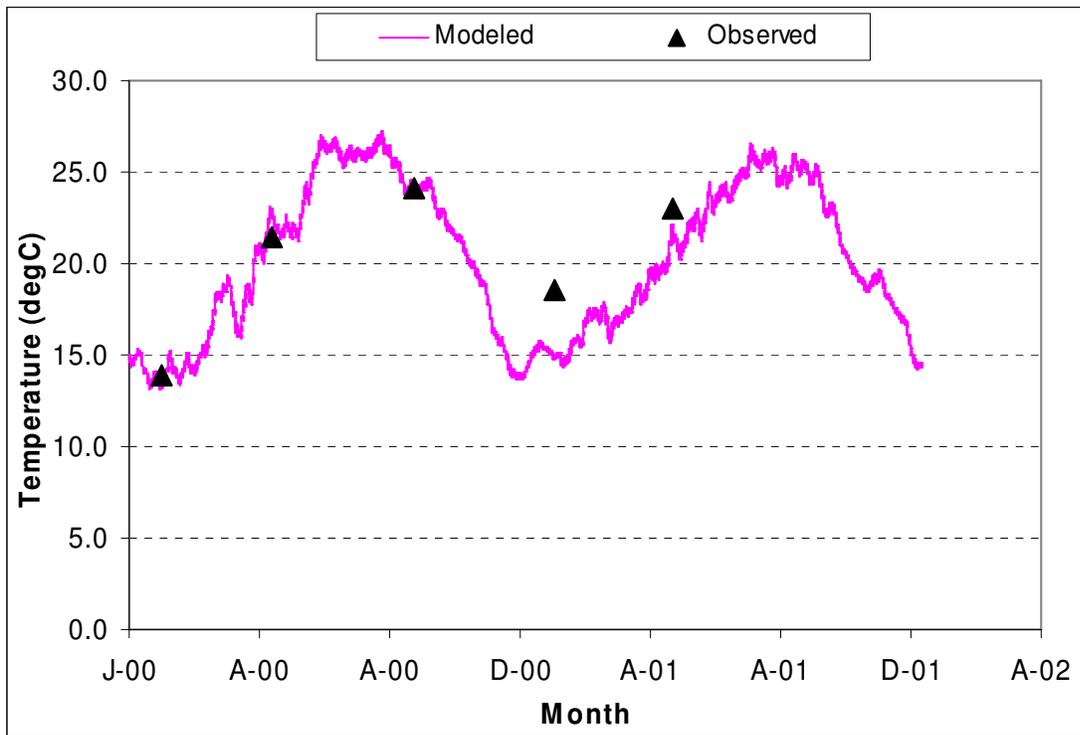


Figure I-29. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #25

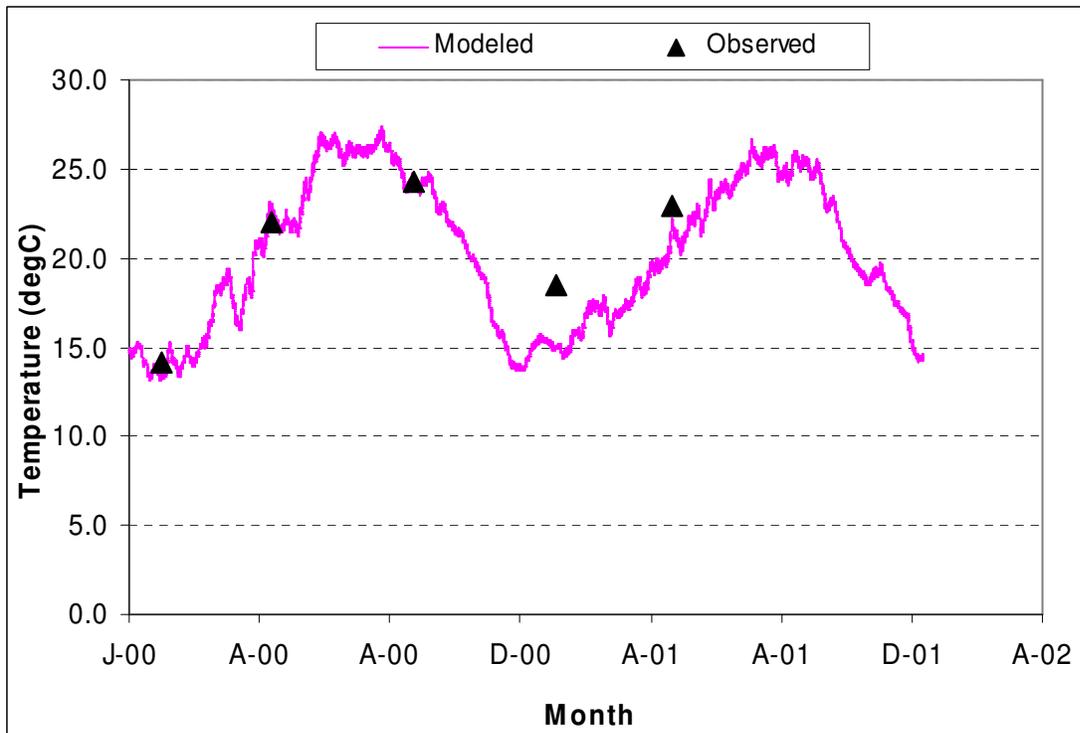


Figure I-30. Comparison of Model Predicted Temperature Results with Observed SPAWAR Results at Station #26

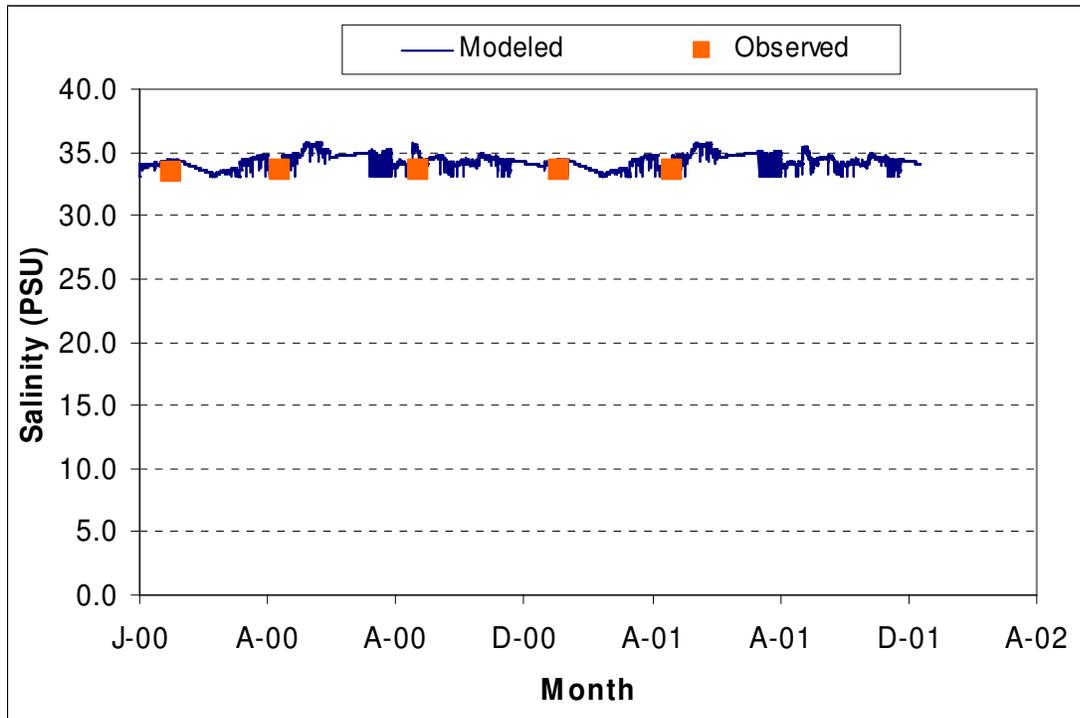


Figure I-31. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #1

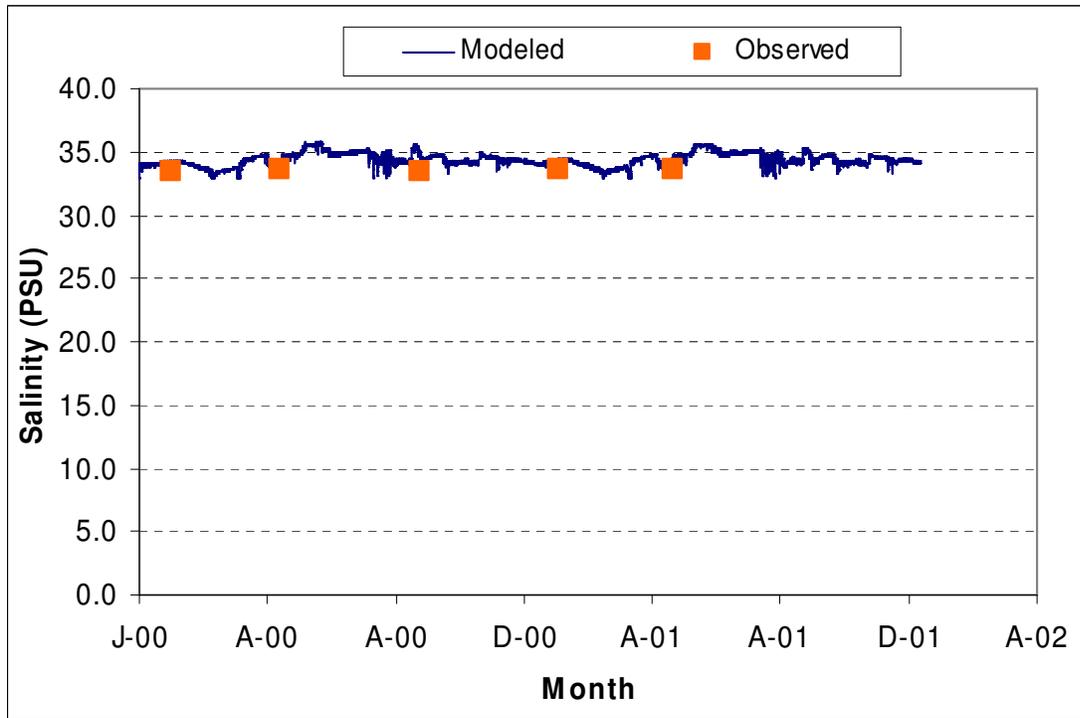


Figure I-32. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #2

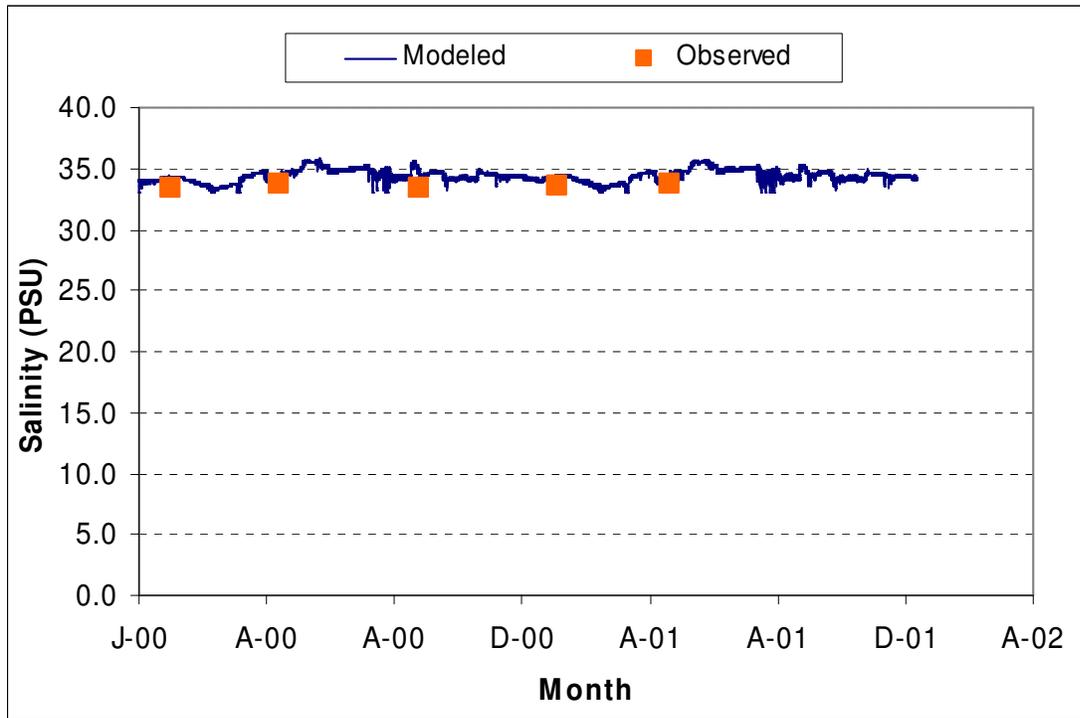


Figure I-33. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #3

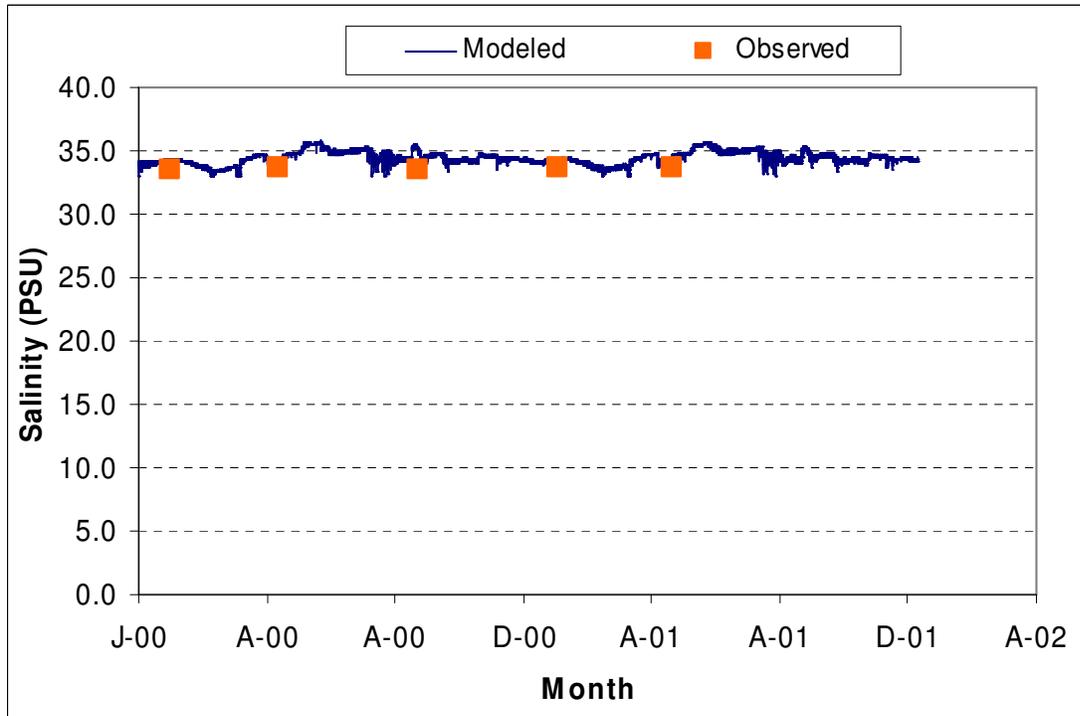


Figure I-34. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #4

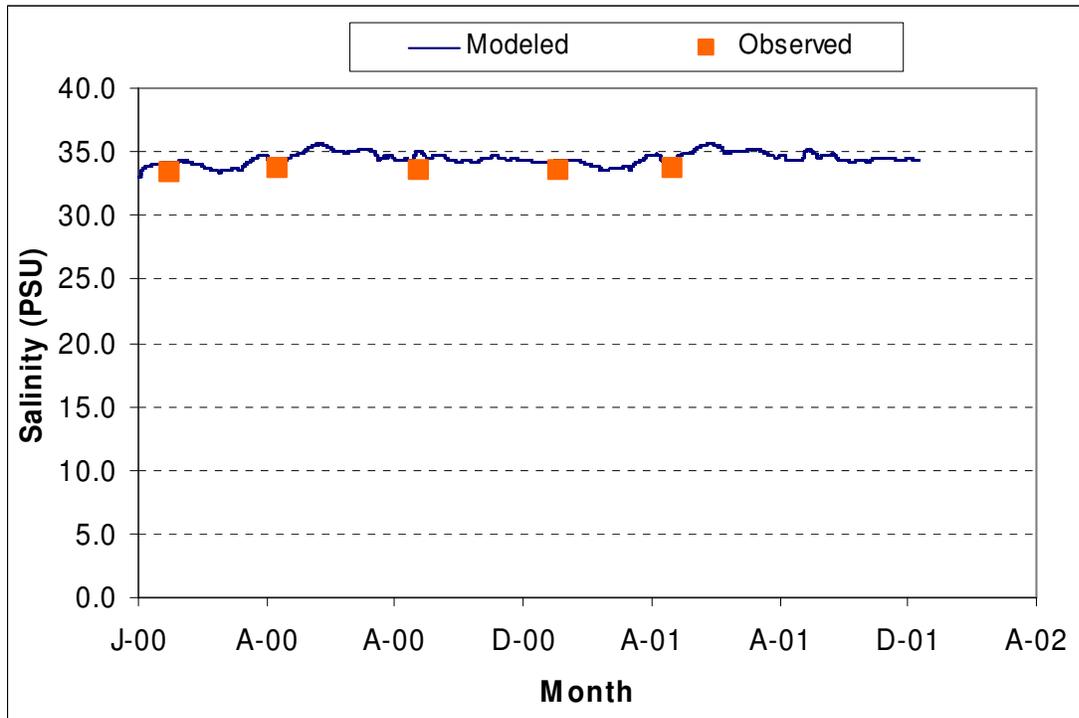


Figure I-35. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #5

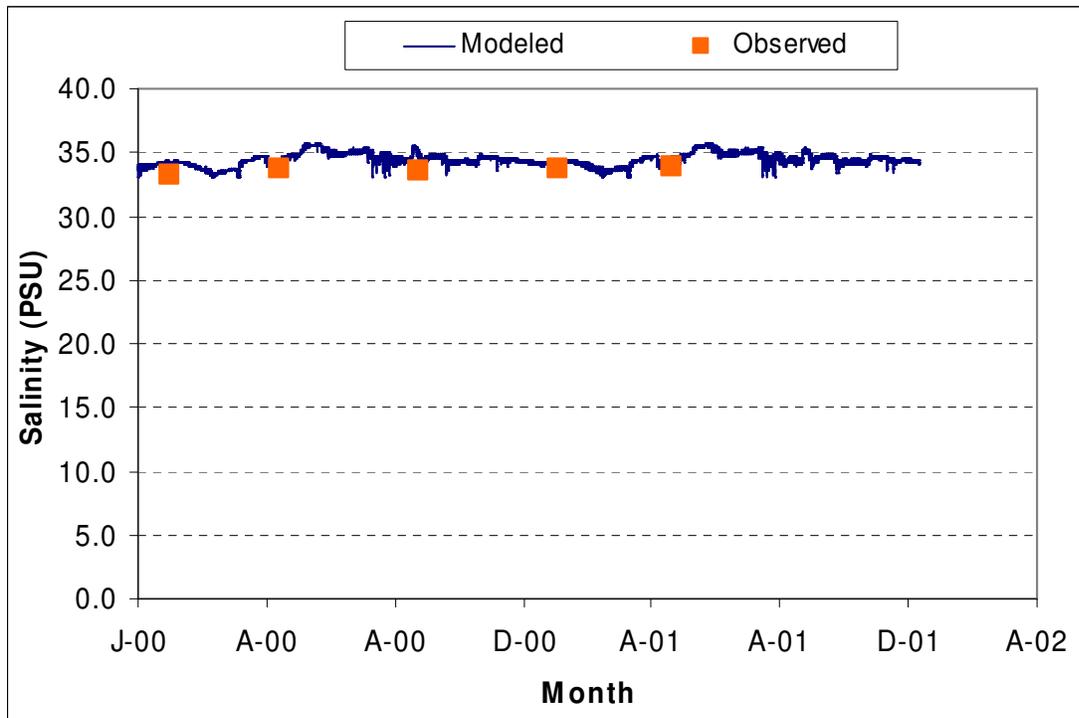


Figure I-36. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #6

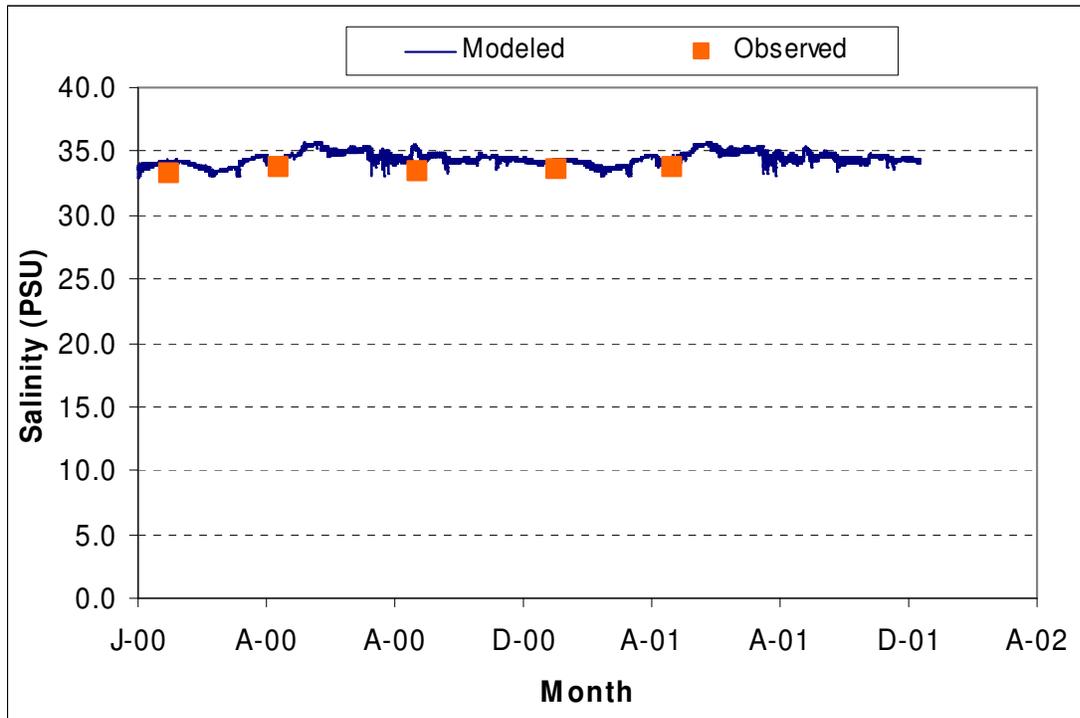


Figure I-37. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #7

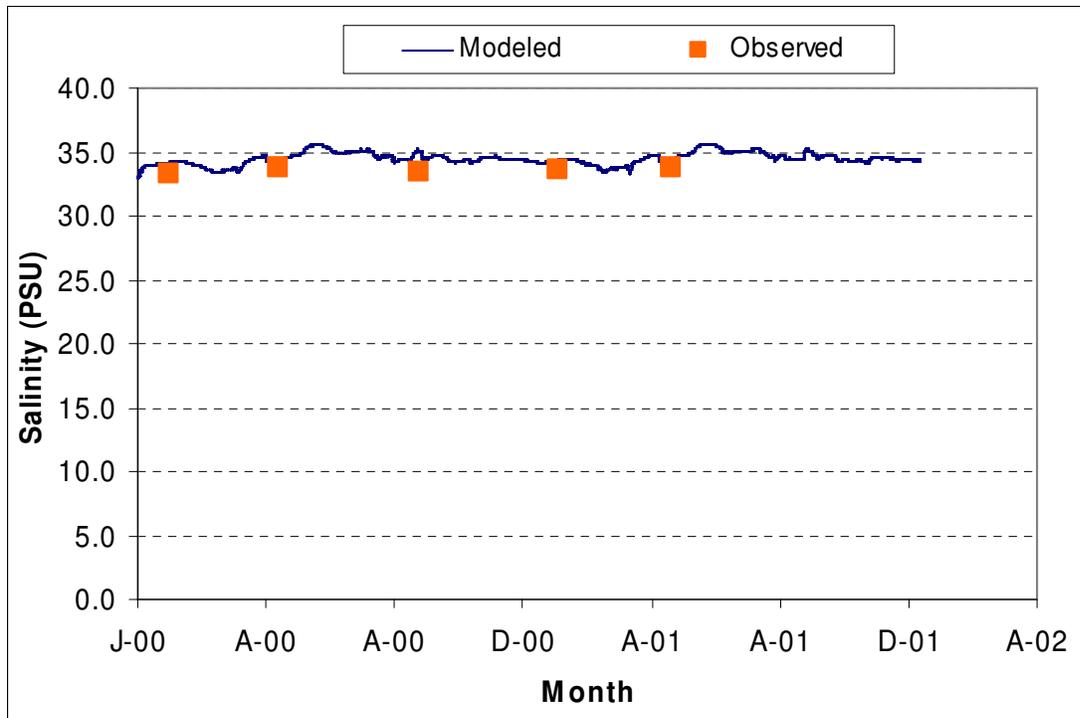


Figure I-38. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #8

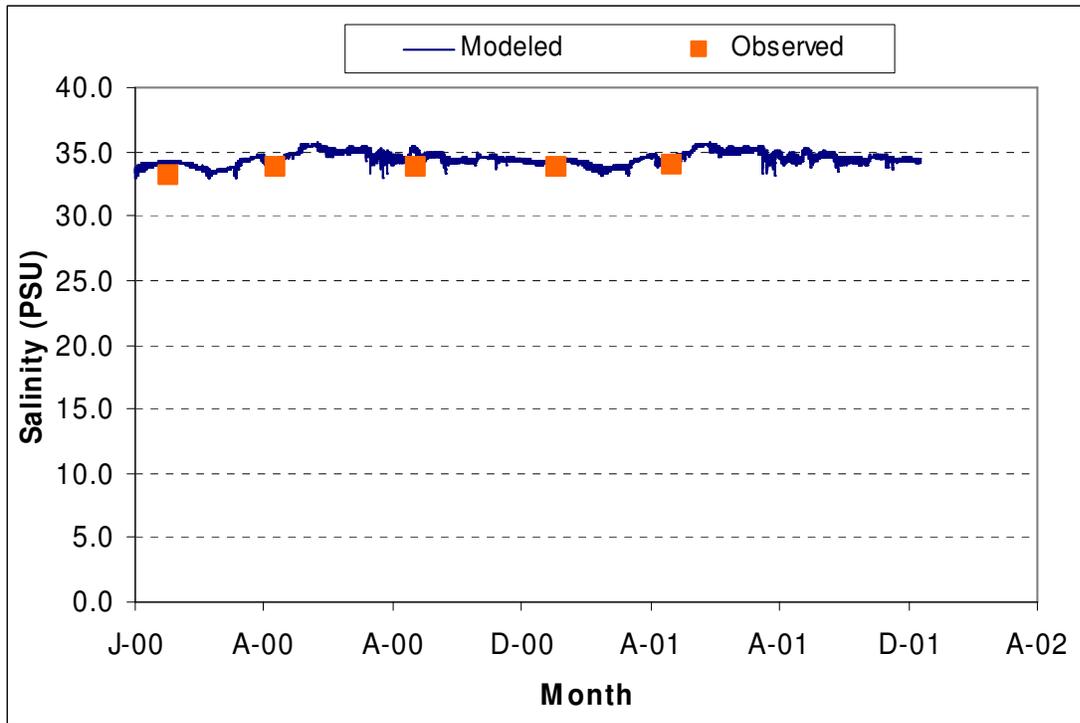


Figure I-39. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #9

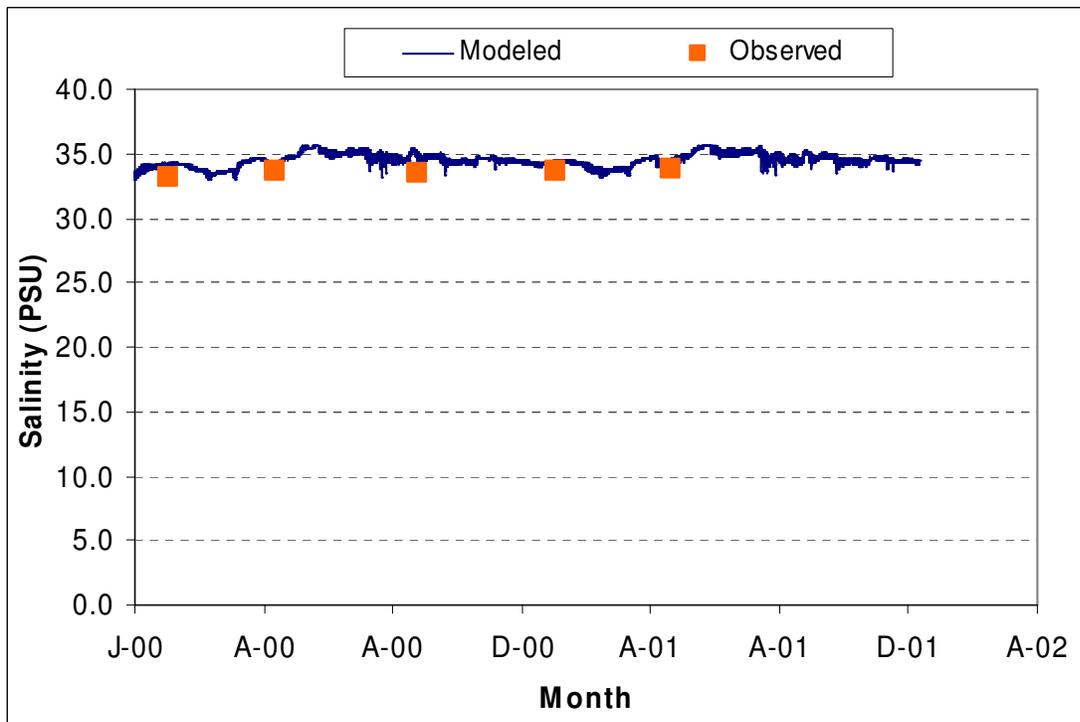


Figure I-40. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #10

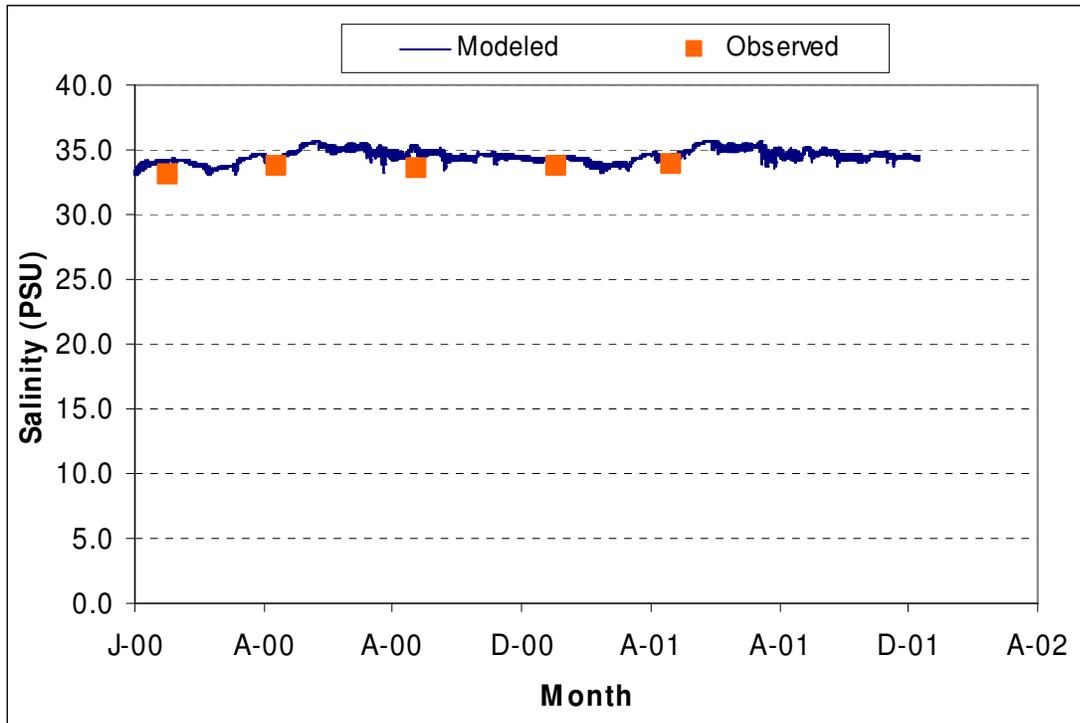


Figure I-41. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #11

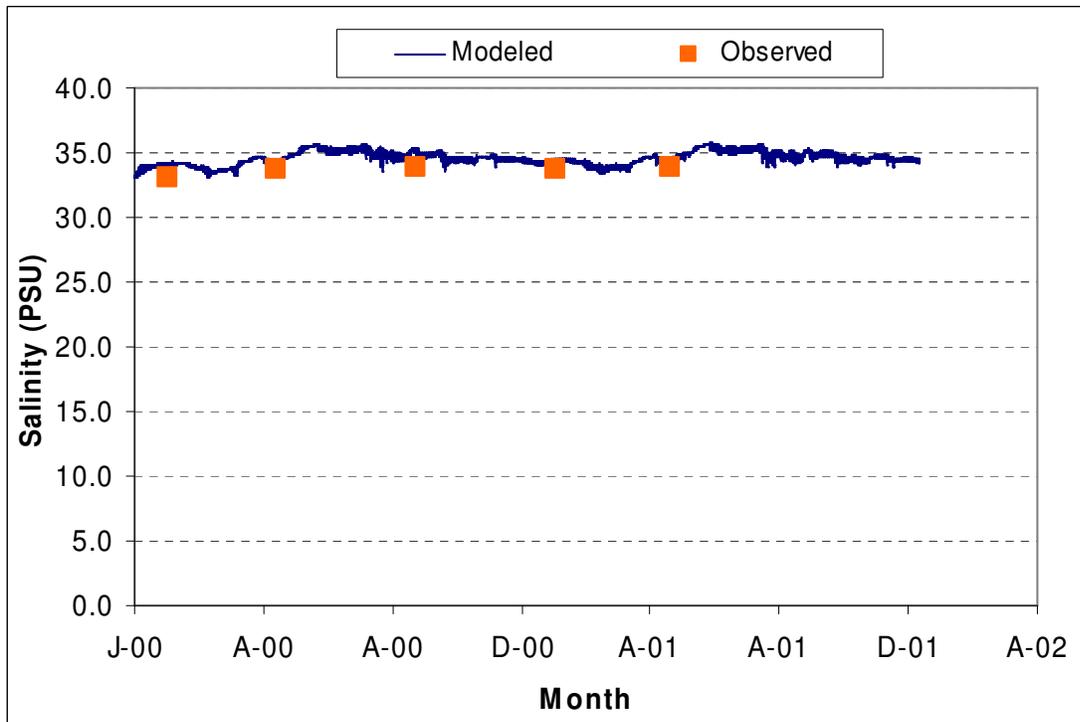


Figure I-42. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #12

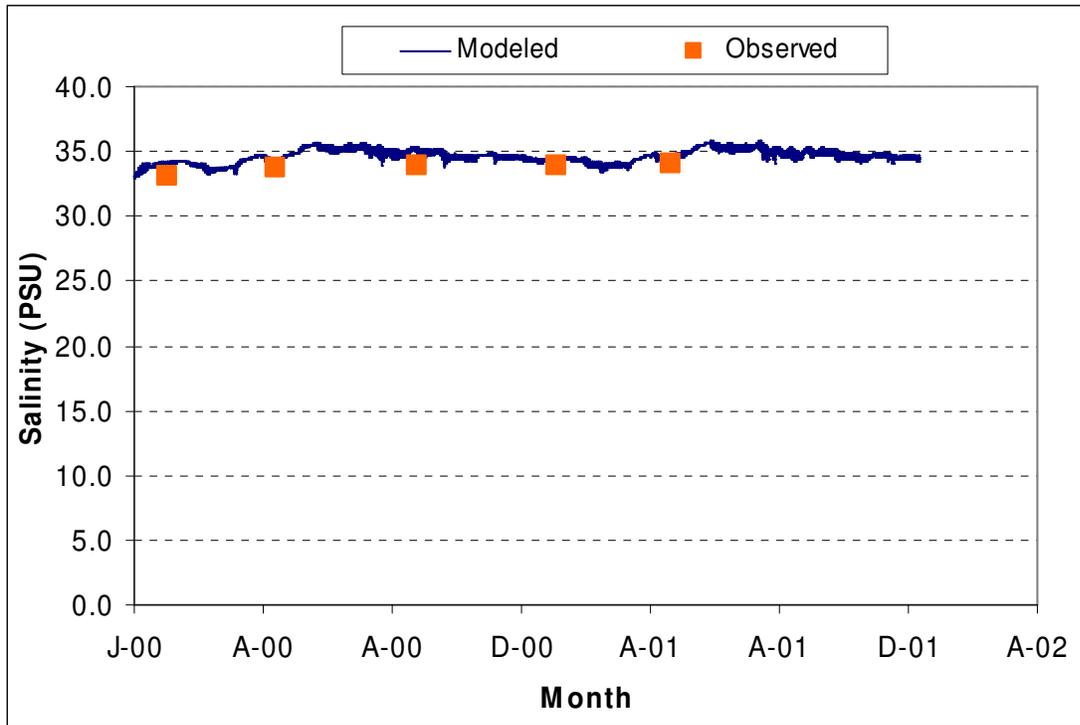


Figure I-43. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #13

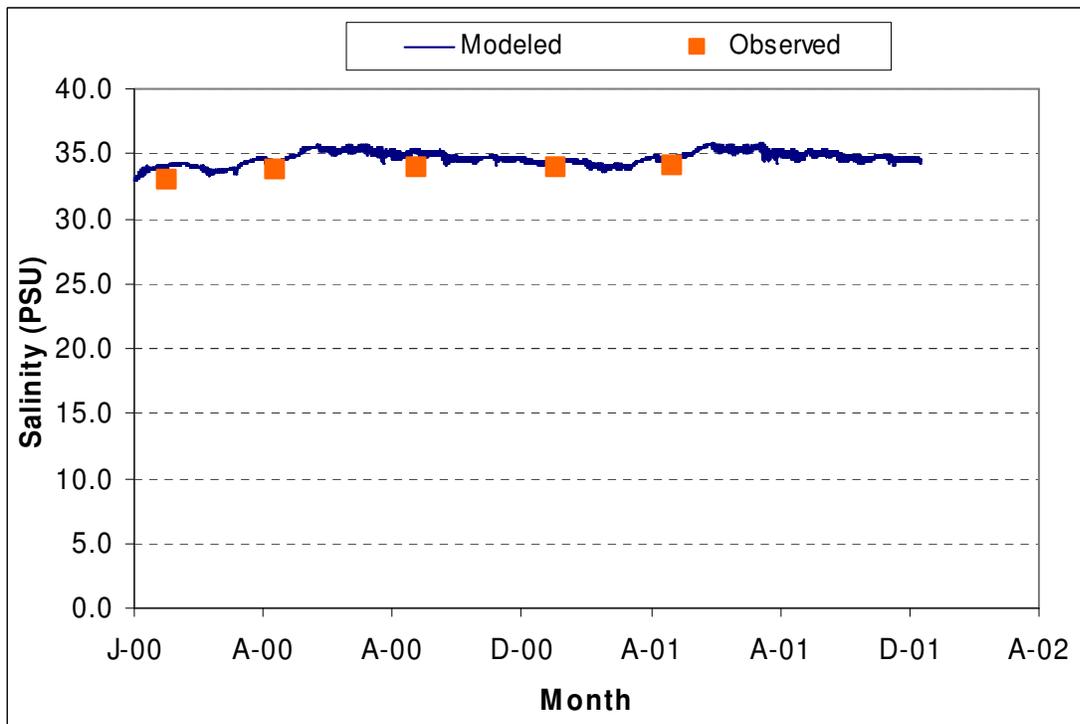


Figure I-44. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #14

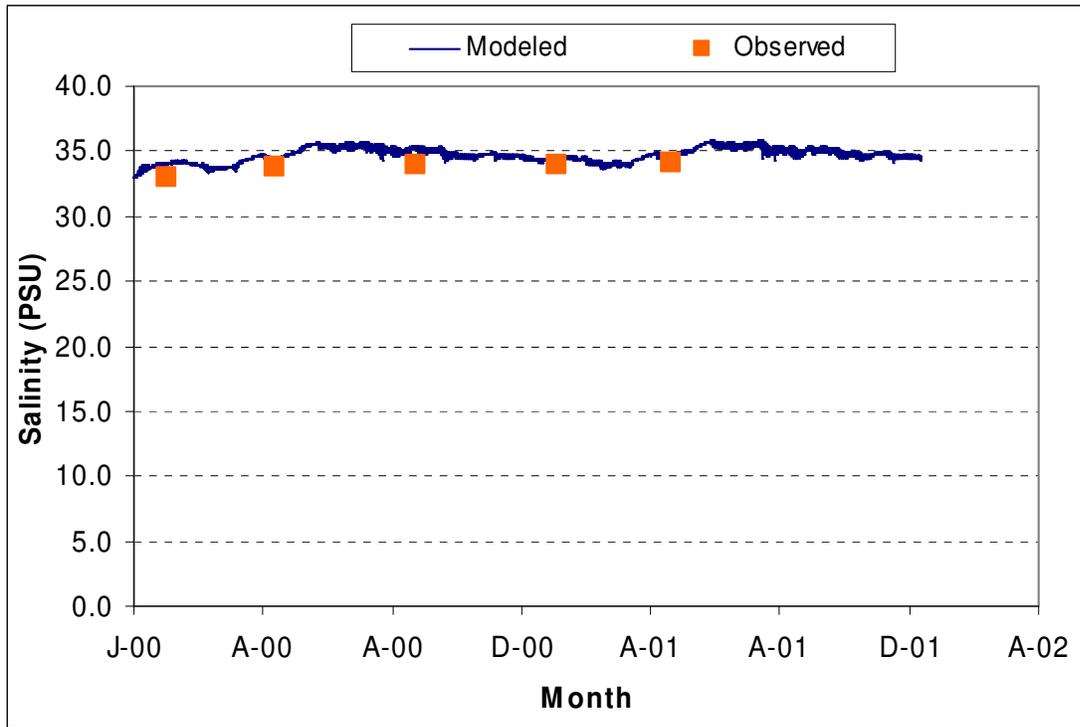


Figure I-45. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #15

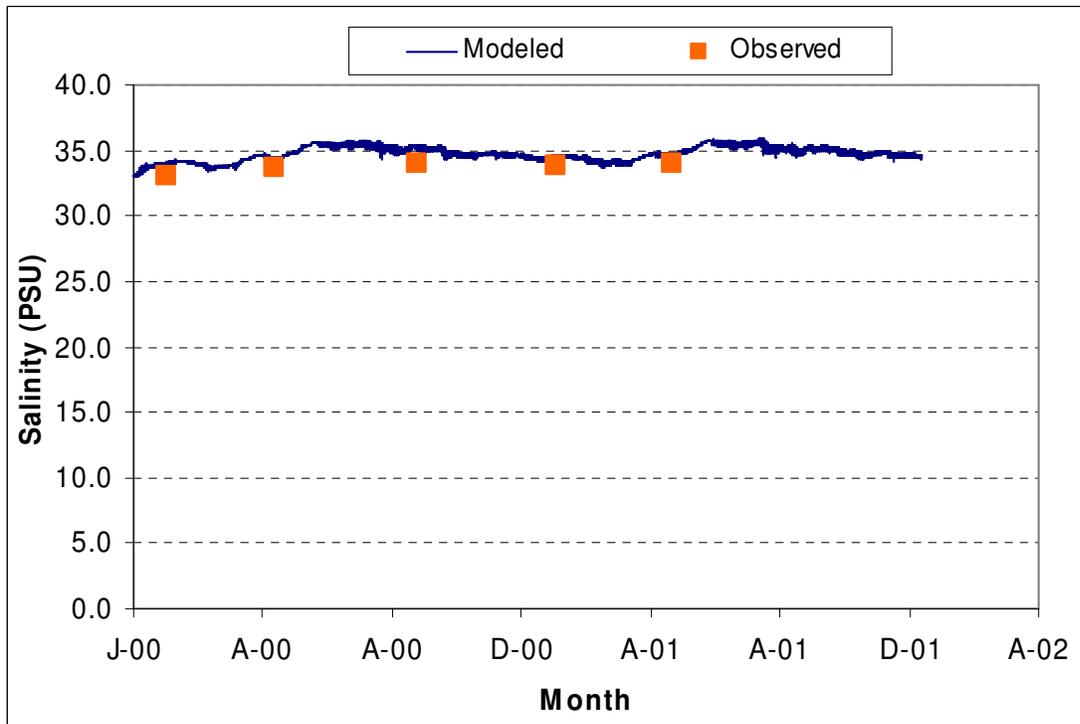


Figure I-46. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #16

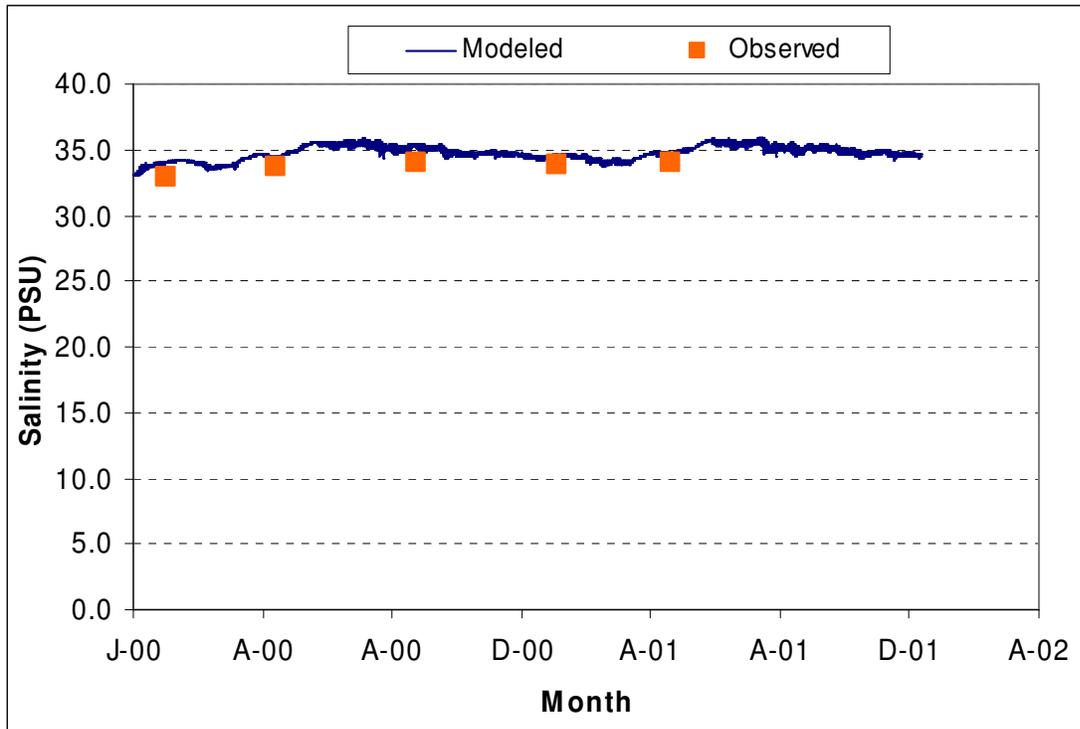


Figure I-47. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #17

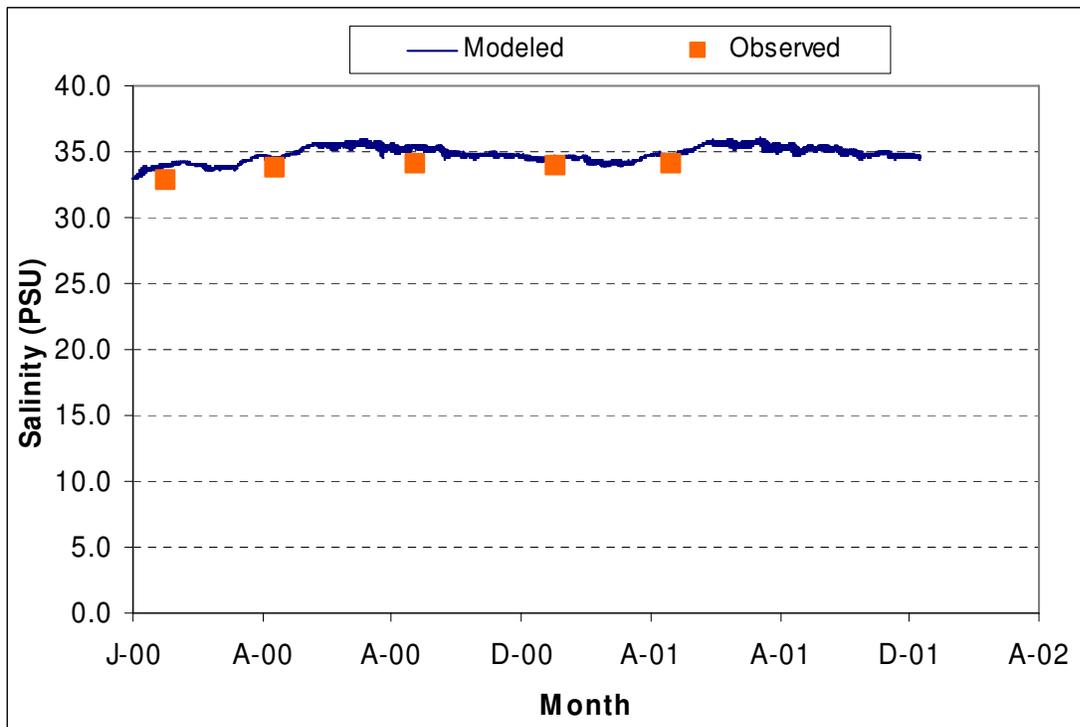


Figure I-48. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #18

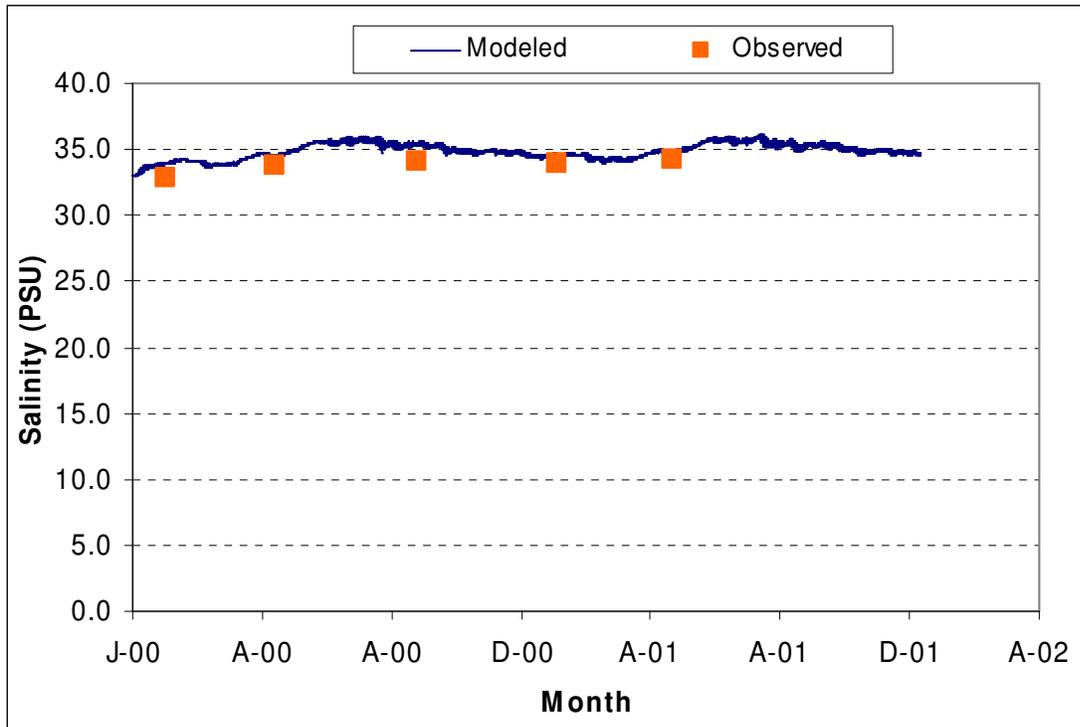


Figure I-49. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #19

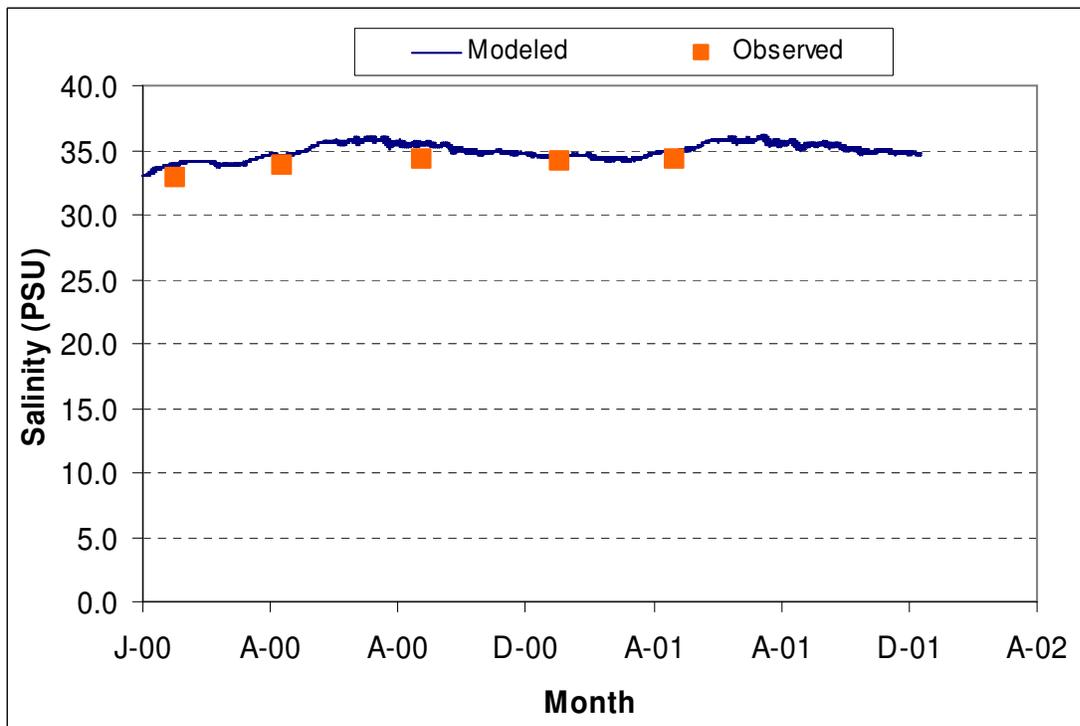


Figure I-50. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #20

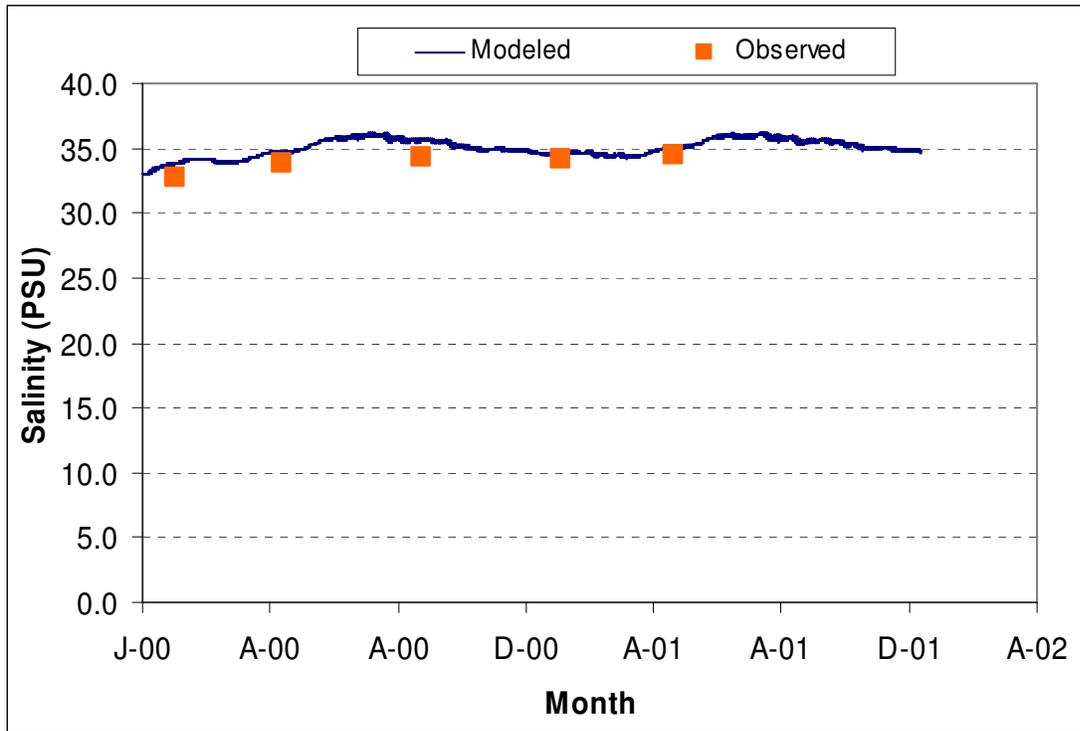


Figure I-51. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #21

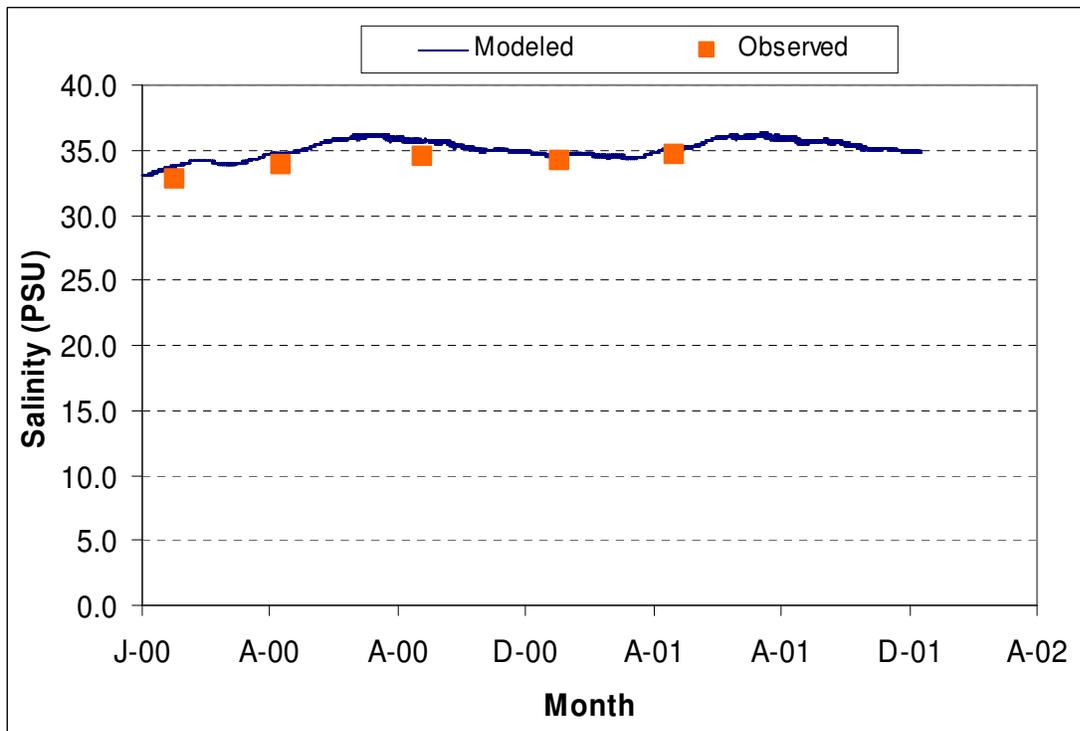


Figure I-52. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #22

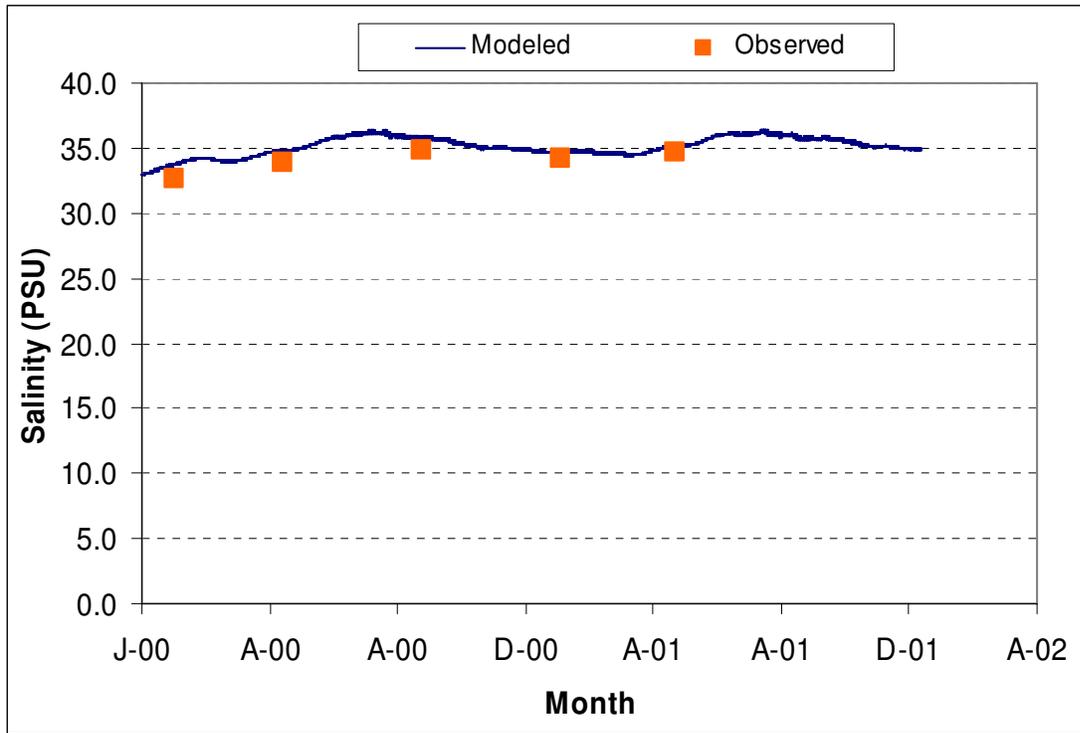


Figure I-53. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #23

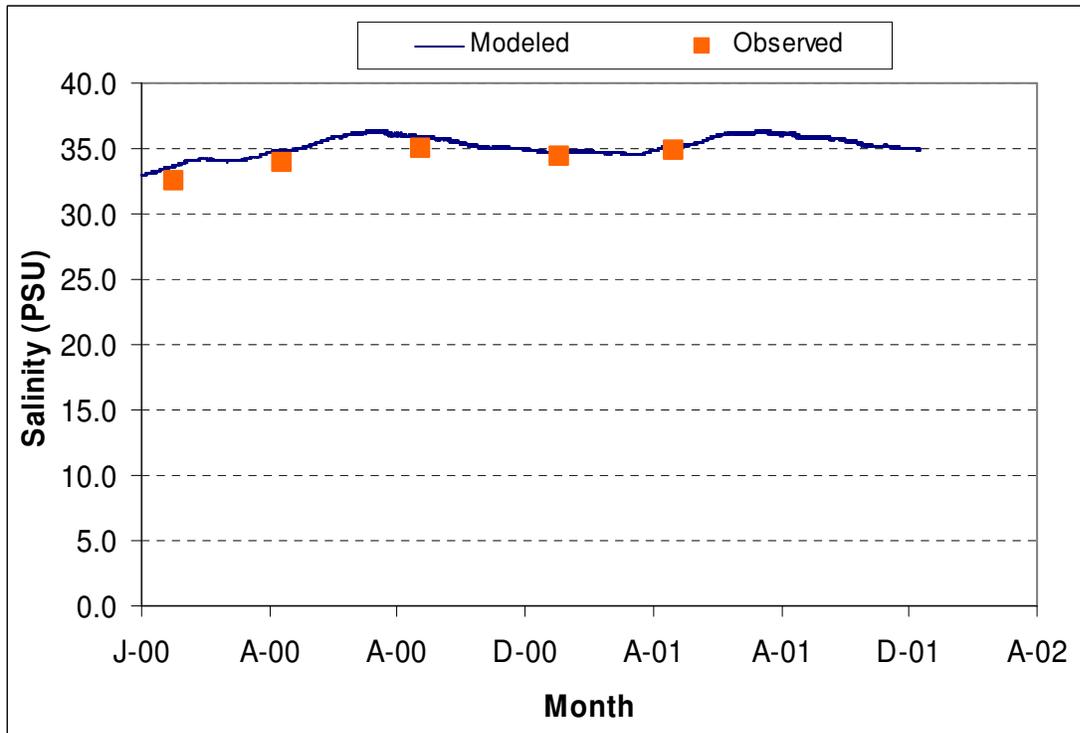


Figure I-54. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #24

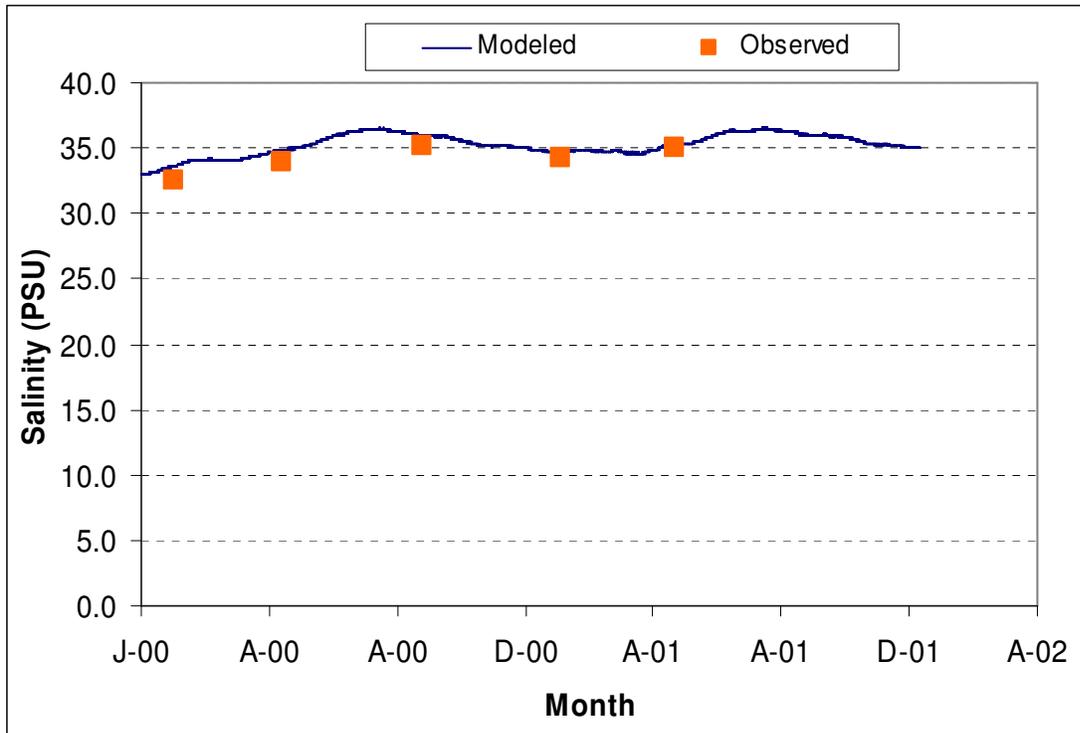


Figure I-55. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #25

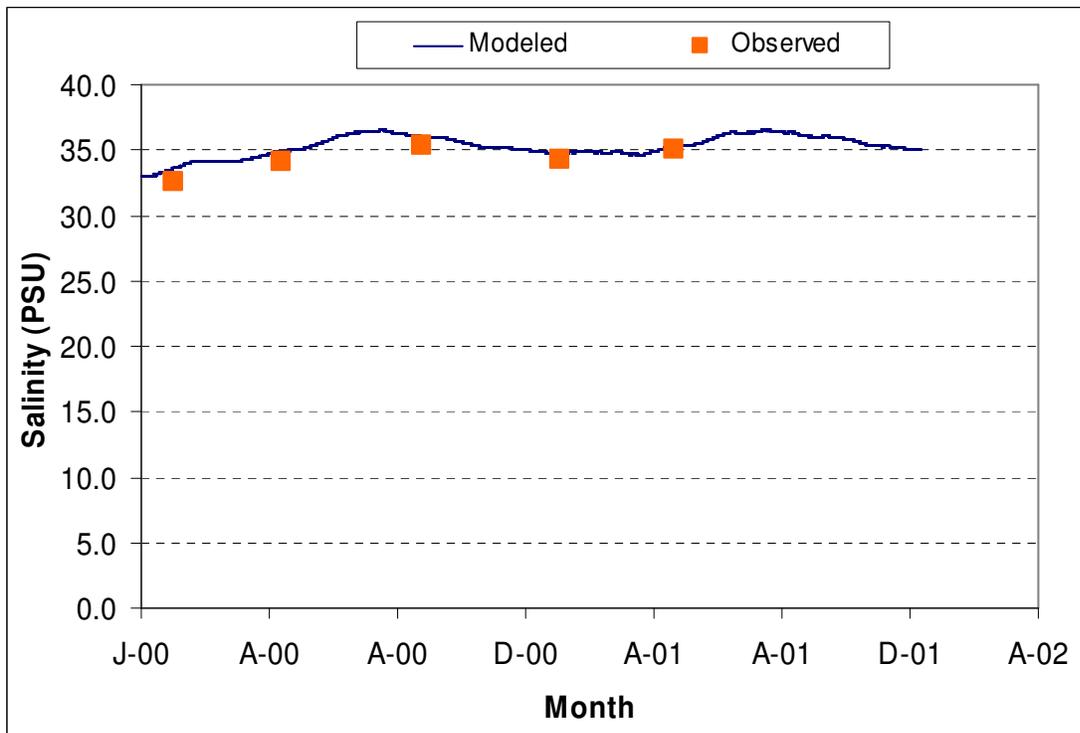


Figure I-56. Comparison of Model Predicted Salinity Results with Observed SPAWAR Results at Station #26

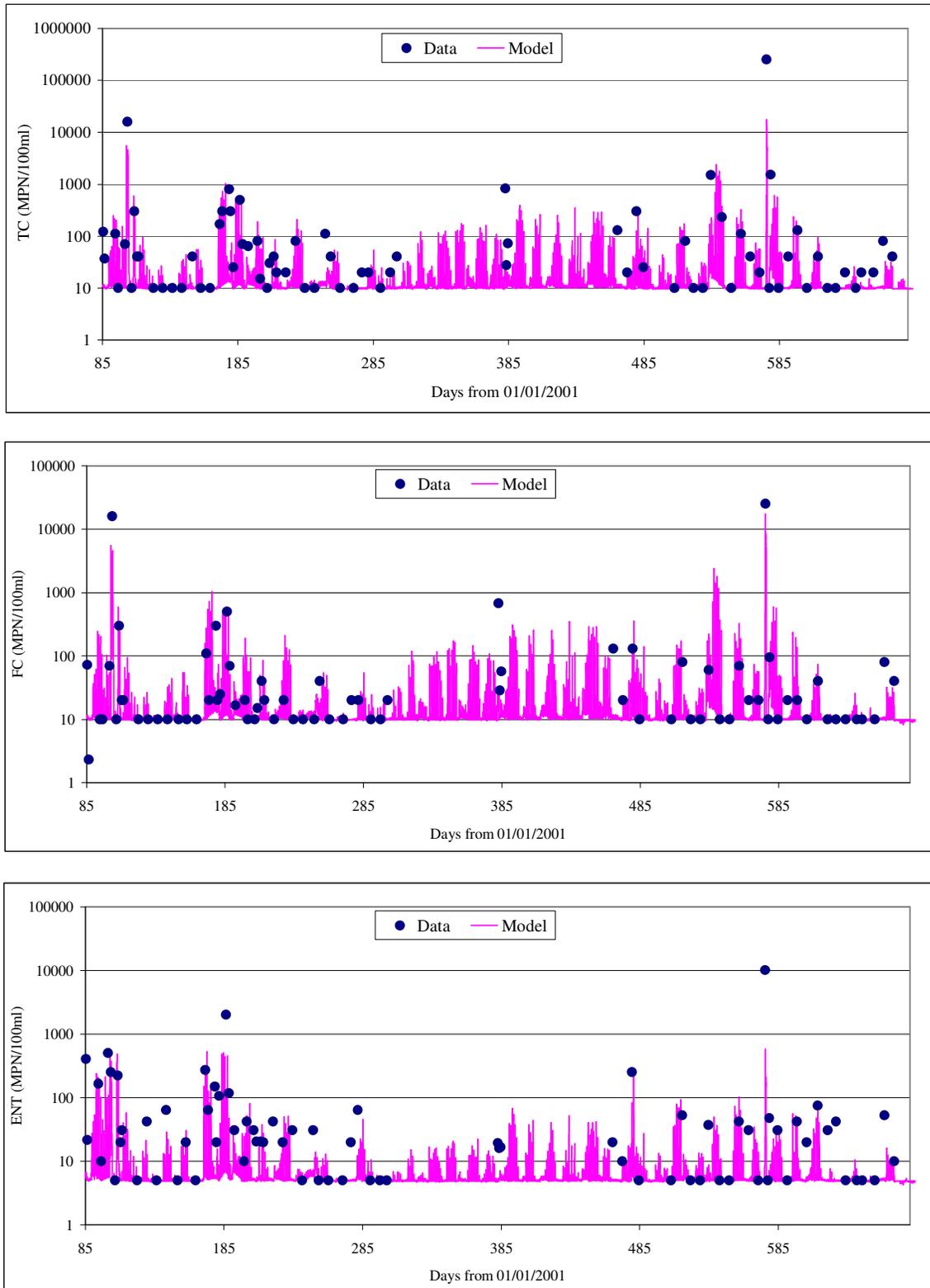


Figure I-57. Comparison of Model Predicted Fecal Coliform, Total Coliform, and Enterococcus Concentrations with

Observed Data for Shelter Island Shoreline Park

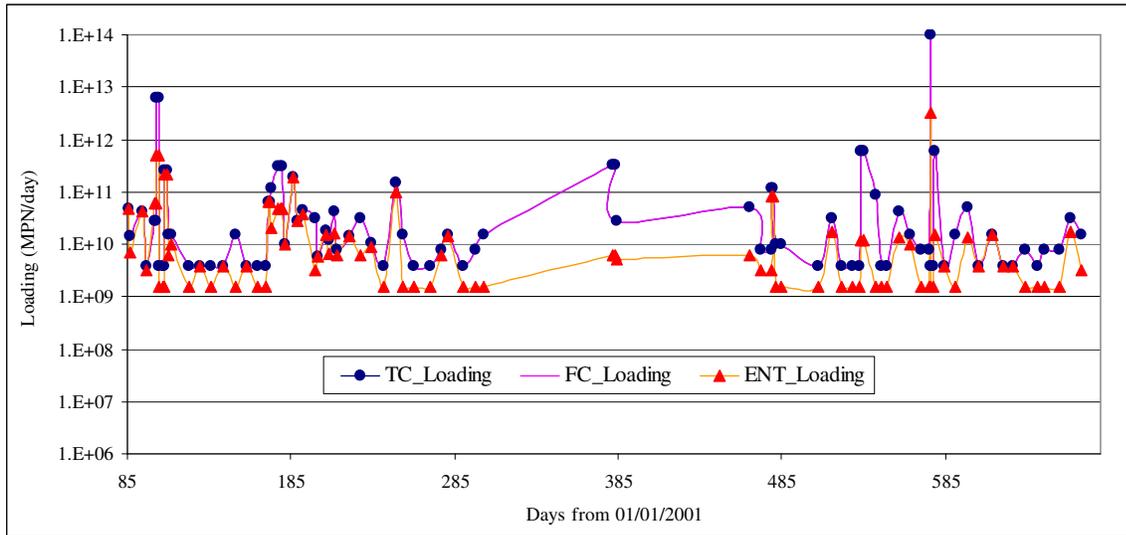


Figure I-58. Inversely Derived Lumped Source Loading for the Simulation Period for Shelter Island Shoreline Park

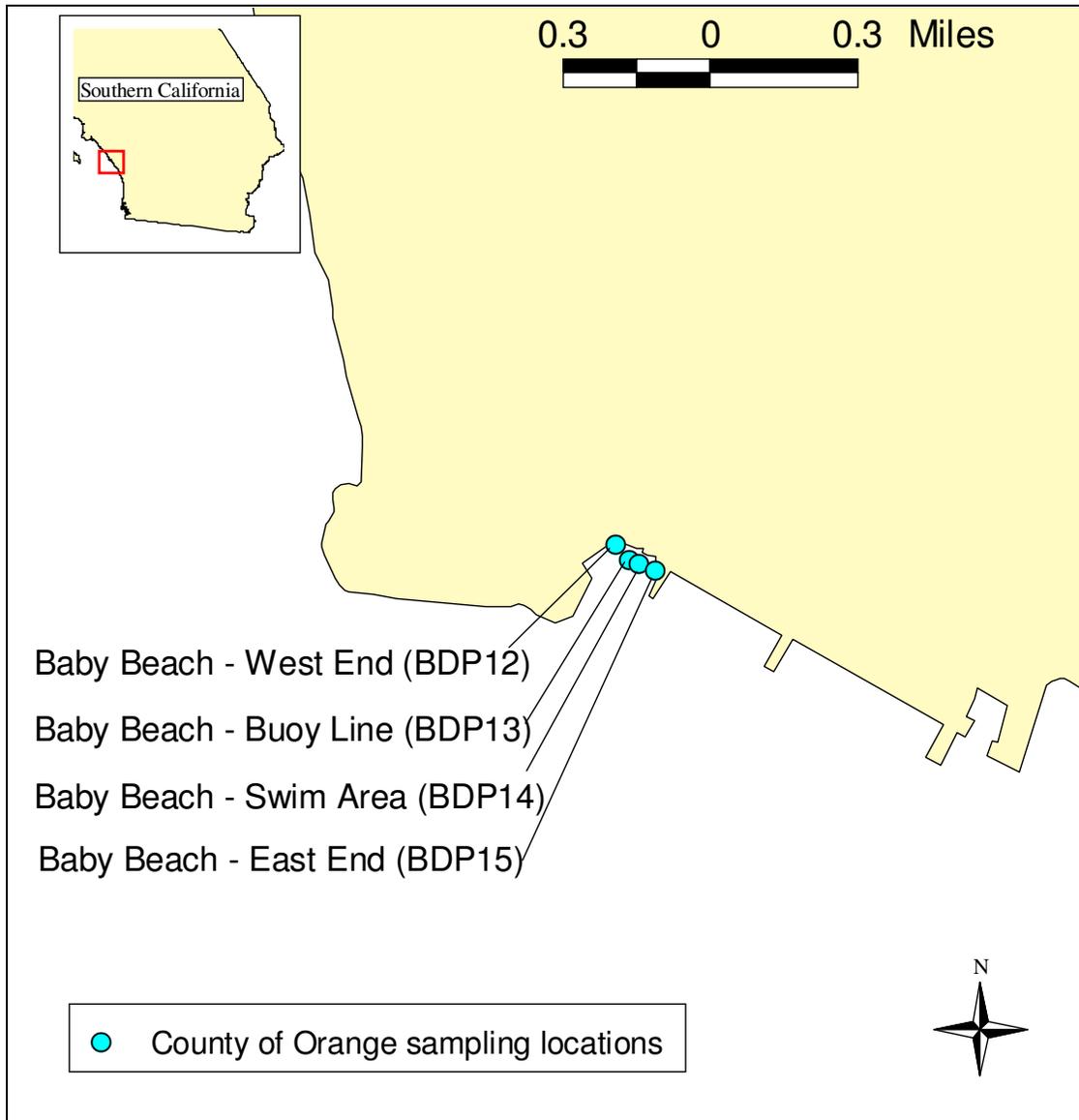


Figure I-59. Sampling Stations Near Baby Beach at Dana Point Harbor

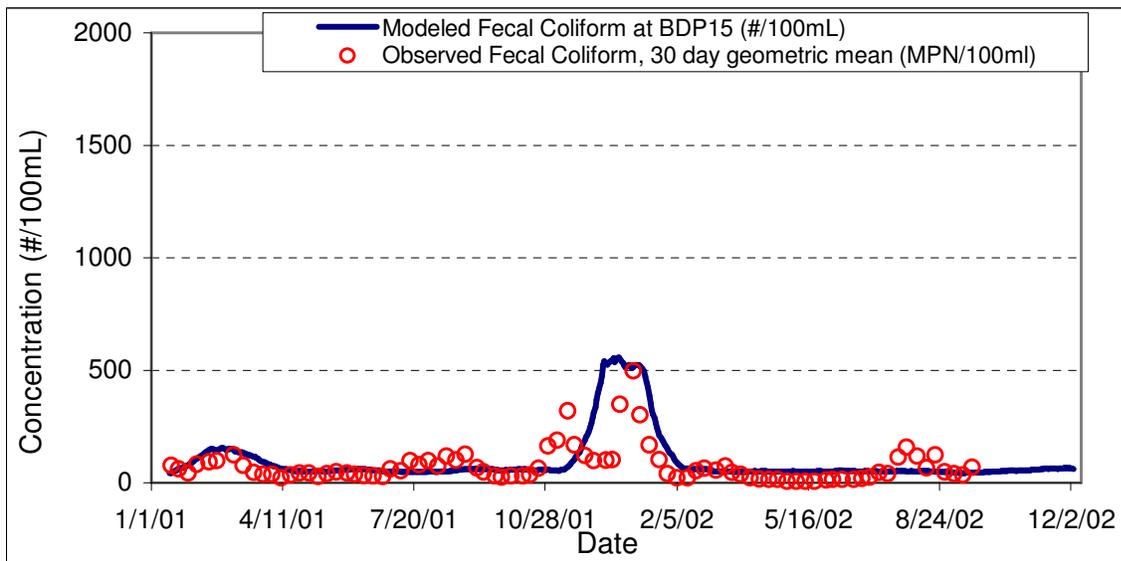
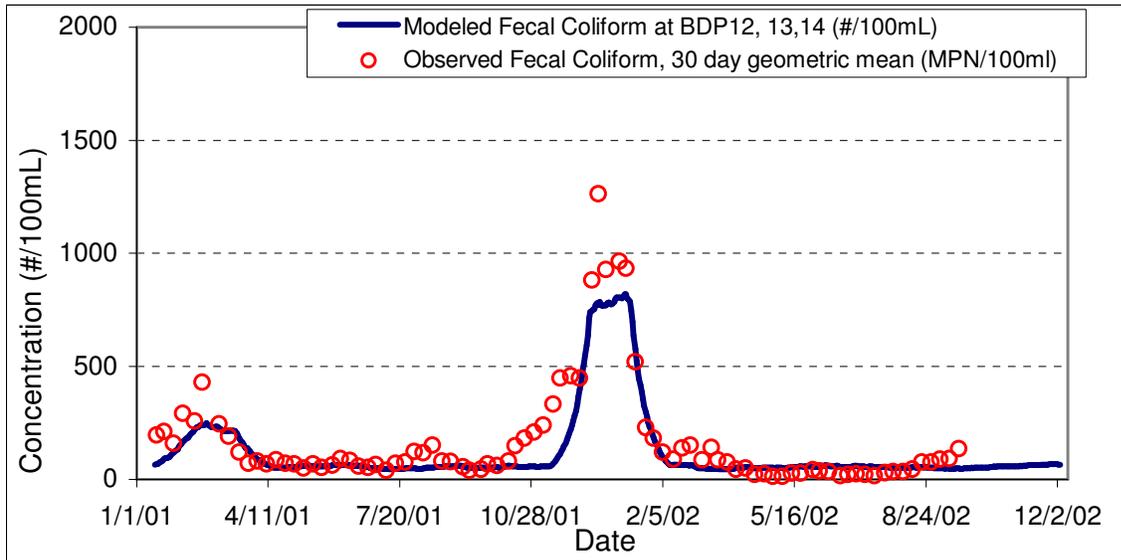


Figure I-60. Simulated Fecal Coliform Concentrations and the Observed 30-day Geometric Mean in Dana Point Harbor

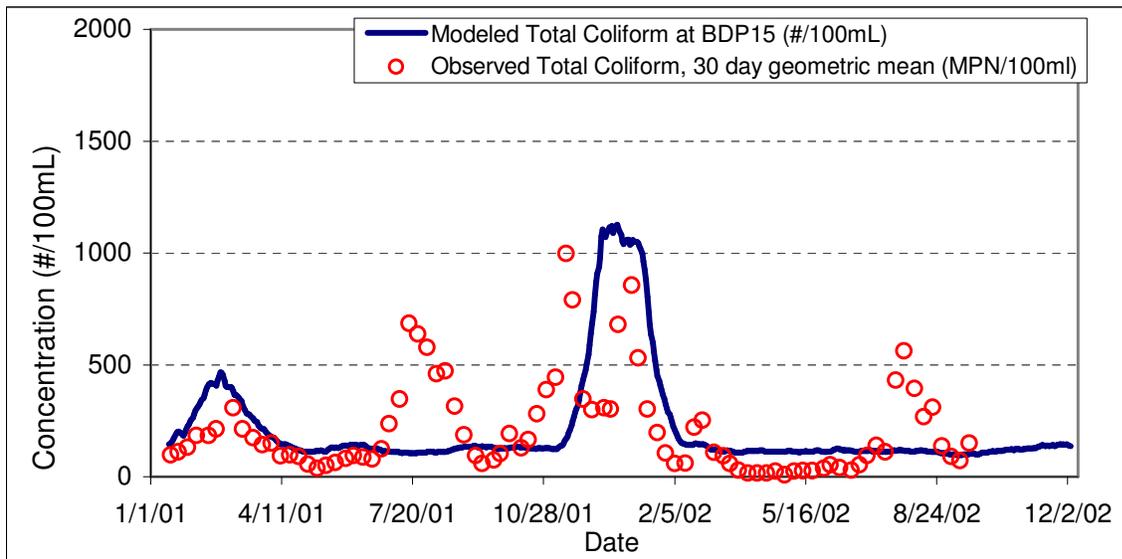
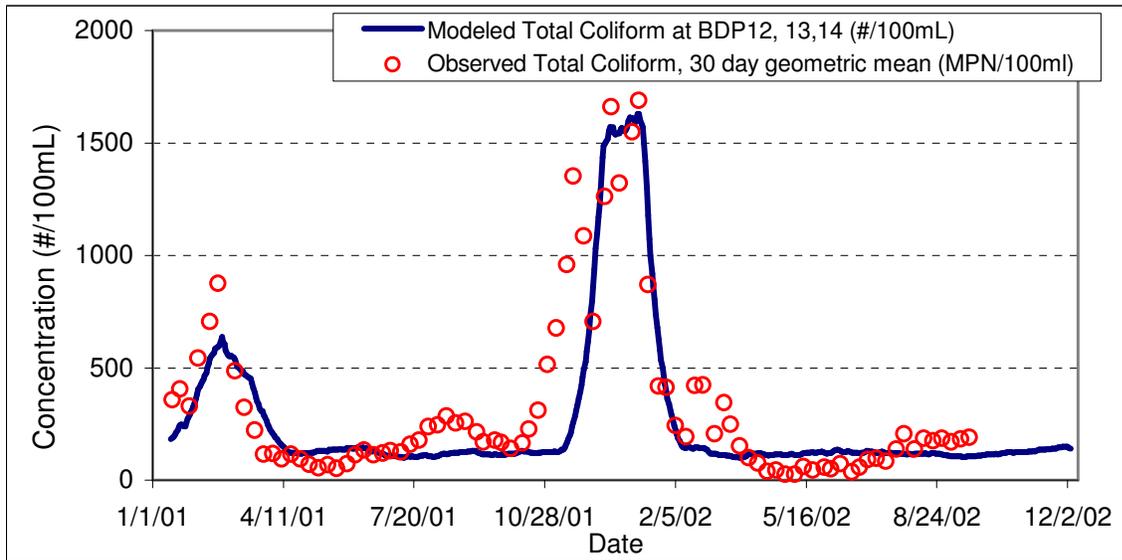


Figure I-61. Simulated Total Coliform Concentrations and the Observed 30-day Geometric Mean in Dana Point Harbor

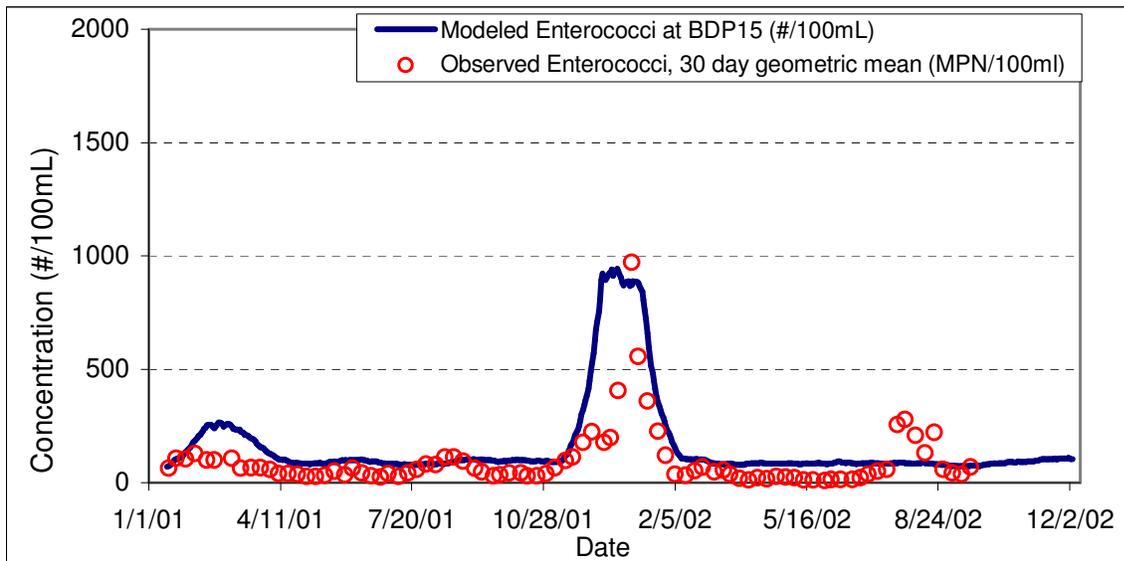
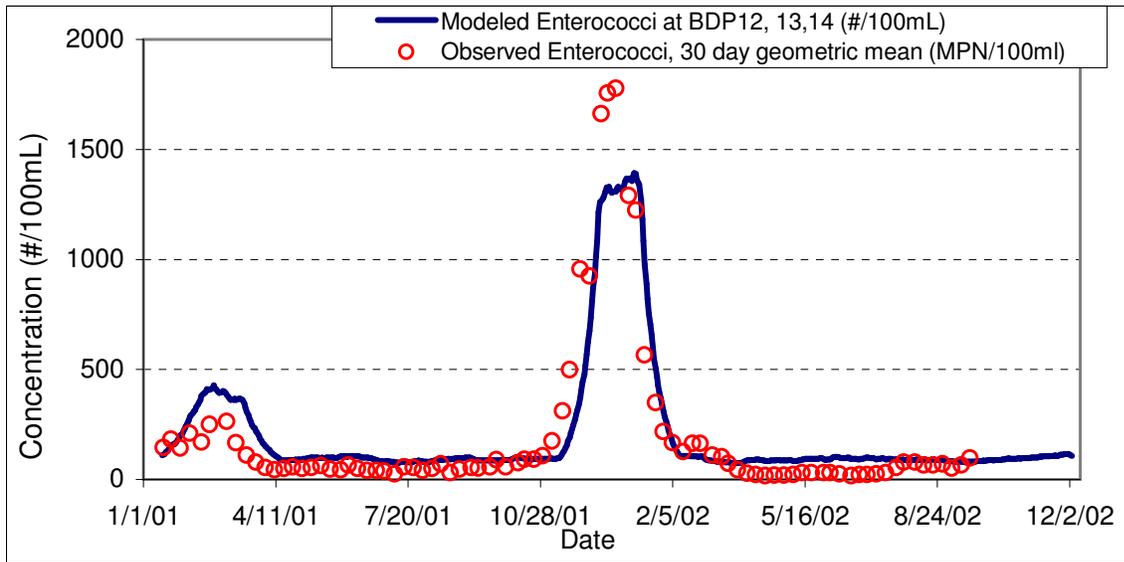


Figure I-62. Simulated Enterococcus Concentrations and the Observed 30-day Geometric Mean in Dana Point Harbor

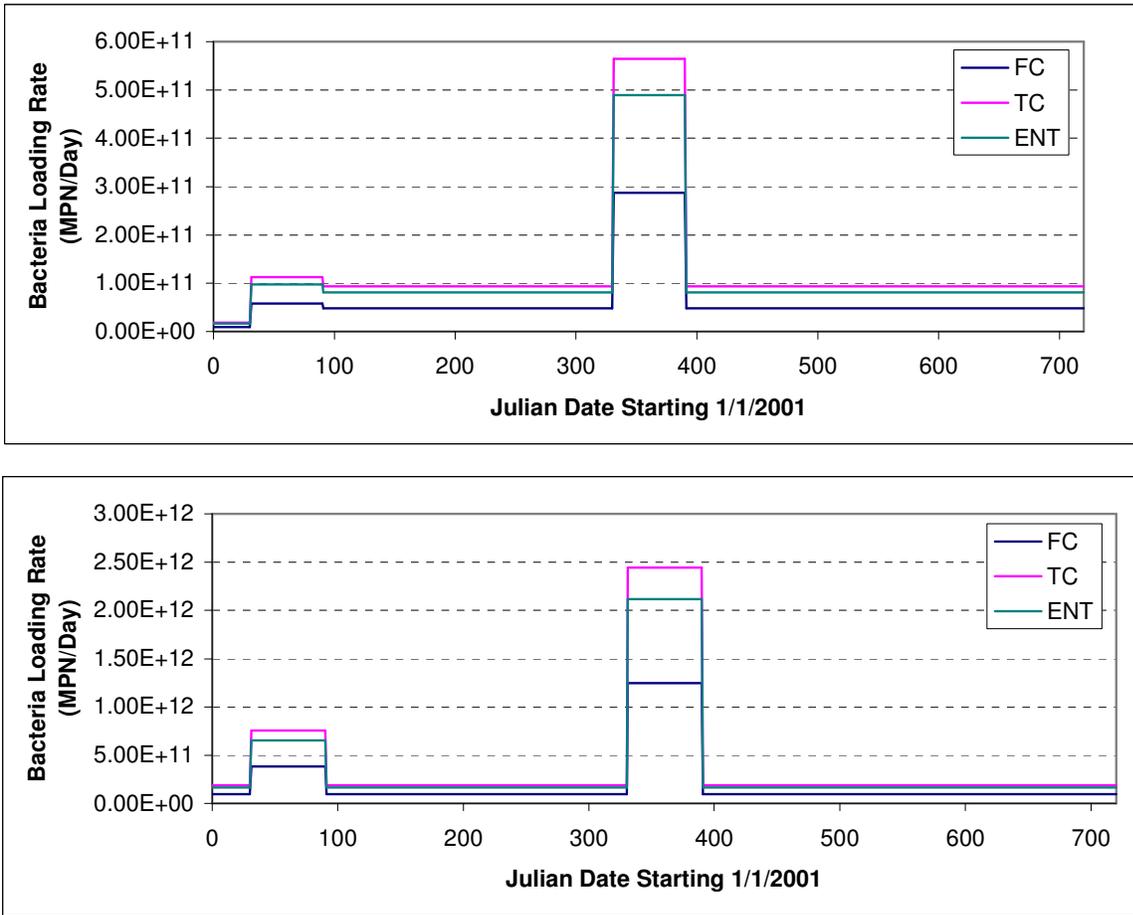


Figure I-63. Inversely-Derived Lumped Sources Loading Applied for the Simulation Period to Two Cells in Baby Beach