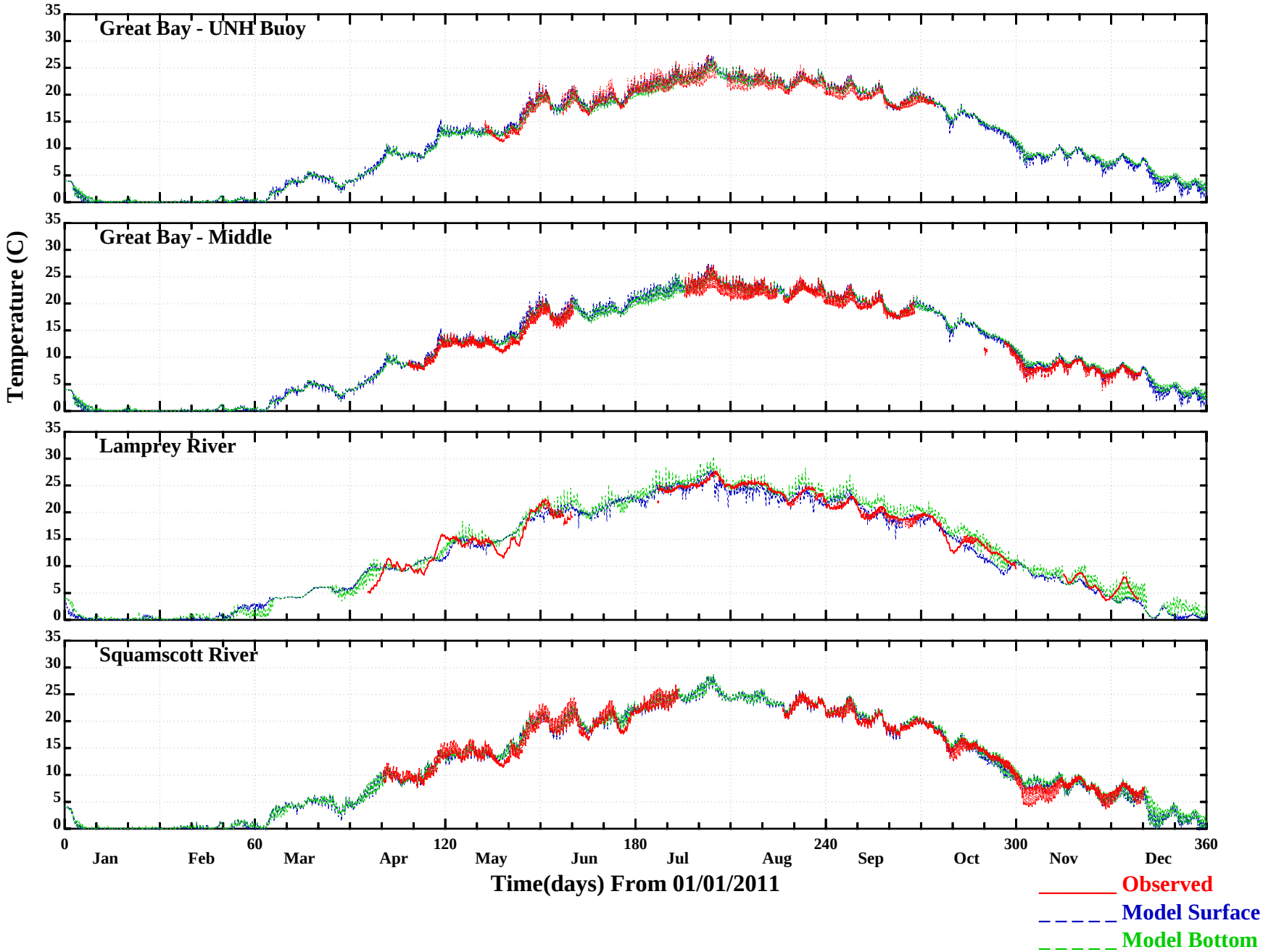


FIGURE 16. Comparison of Observed and Computed Water Temperature: 2011

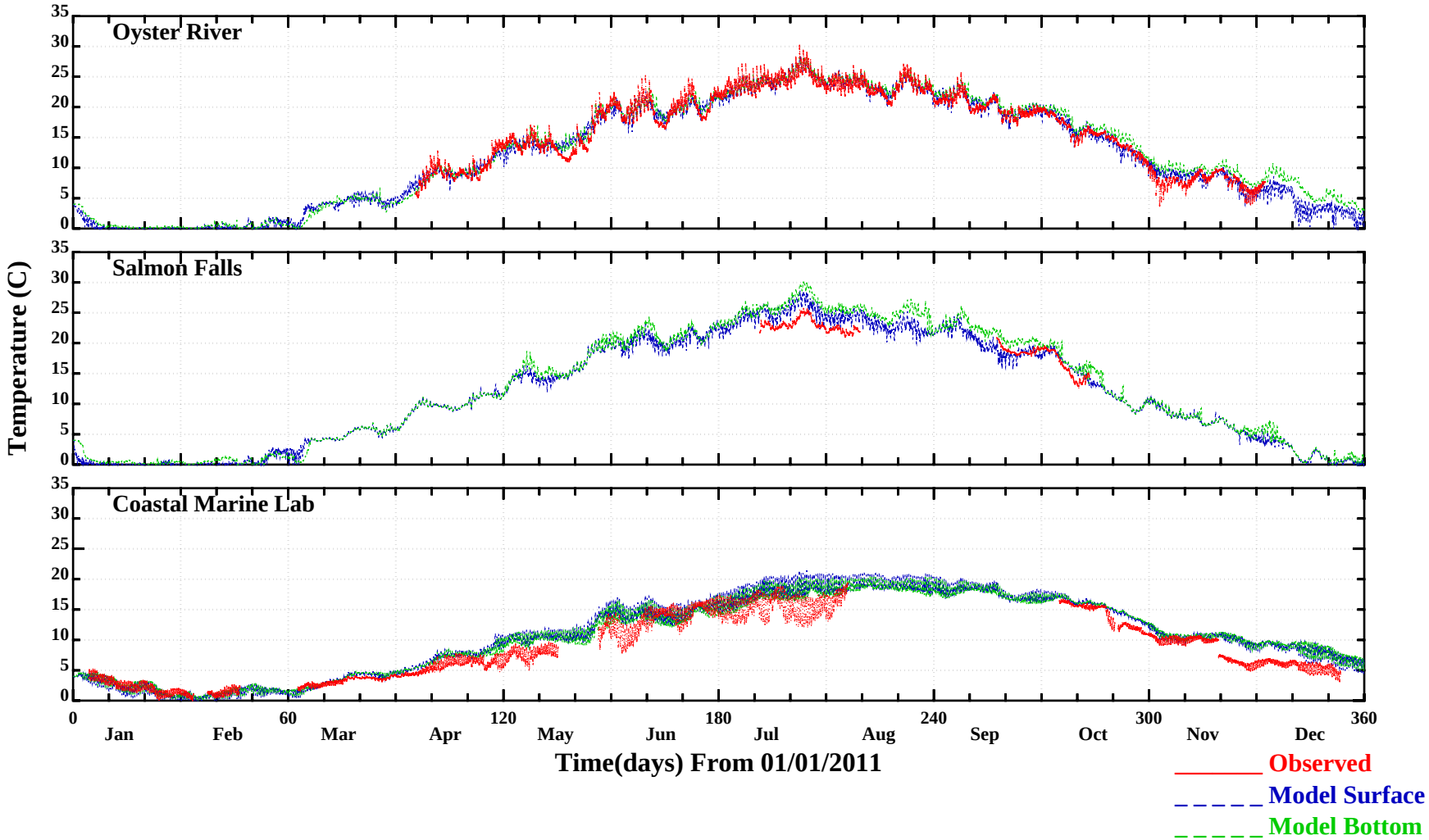


FIGURE 16. Comparison of Observed and Computed Water Temperature: 2011 (Cont.)

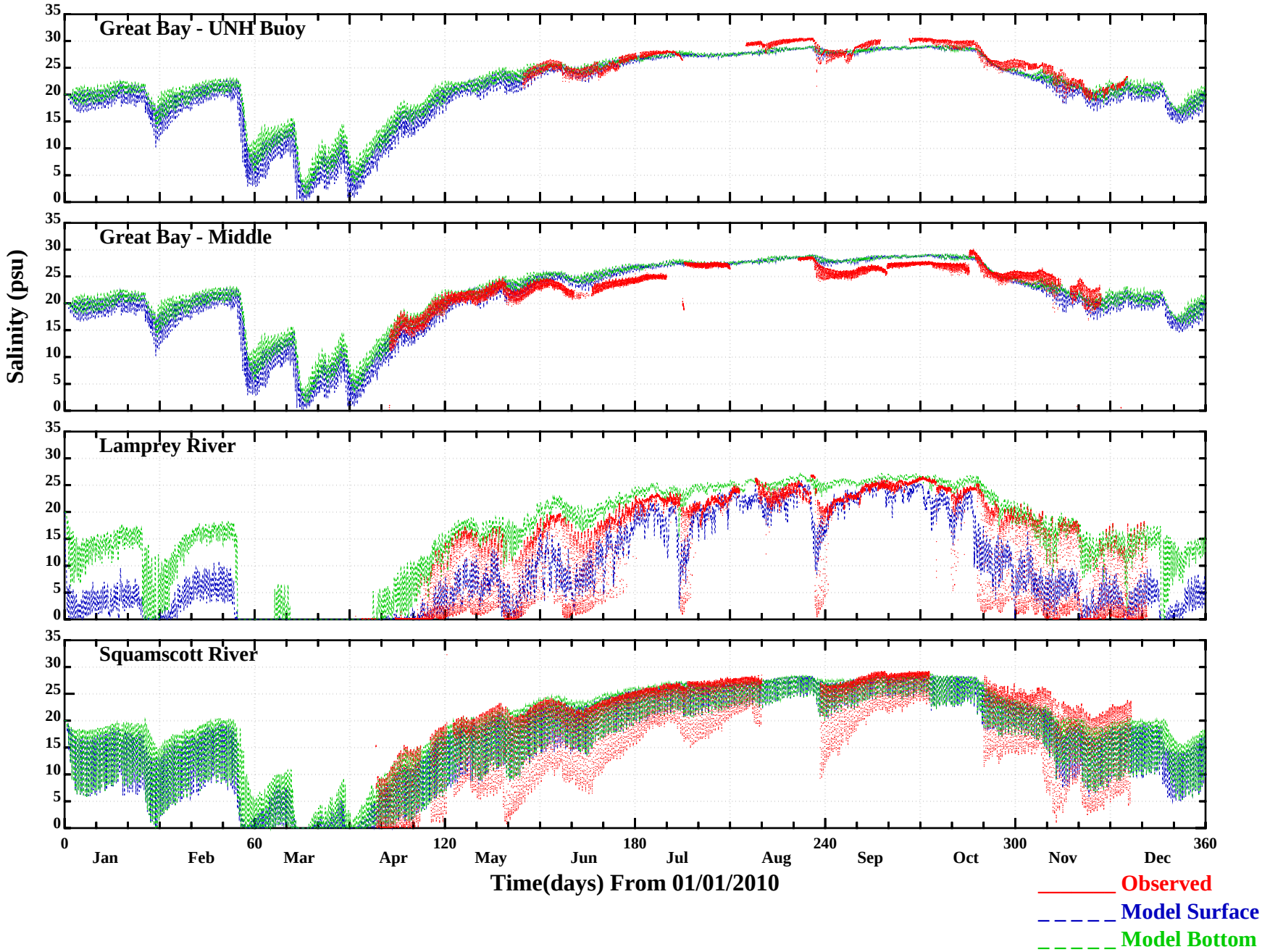


FIGURE 17. Comparison of Observed and Computed Salinity: 2010

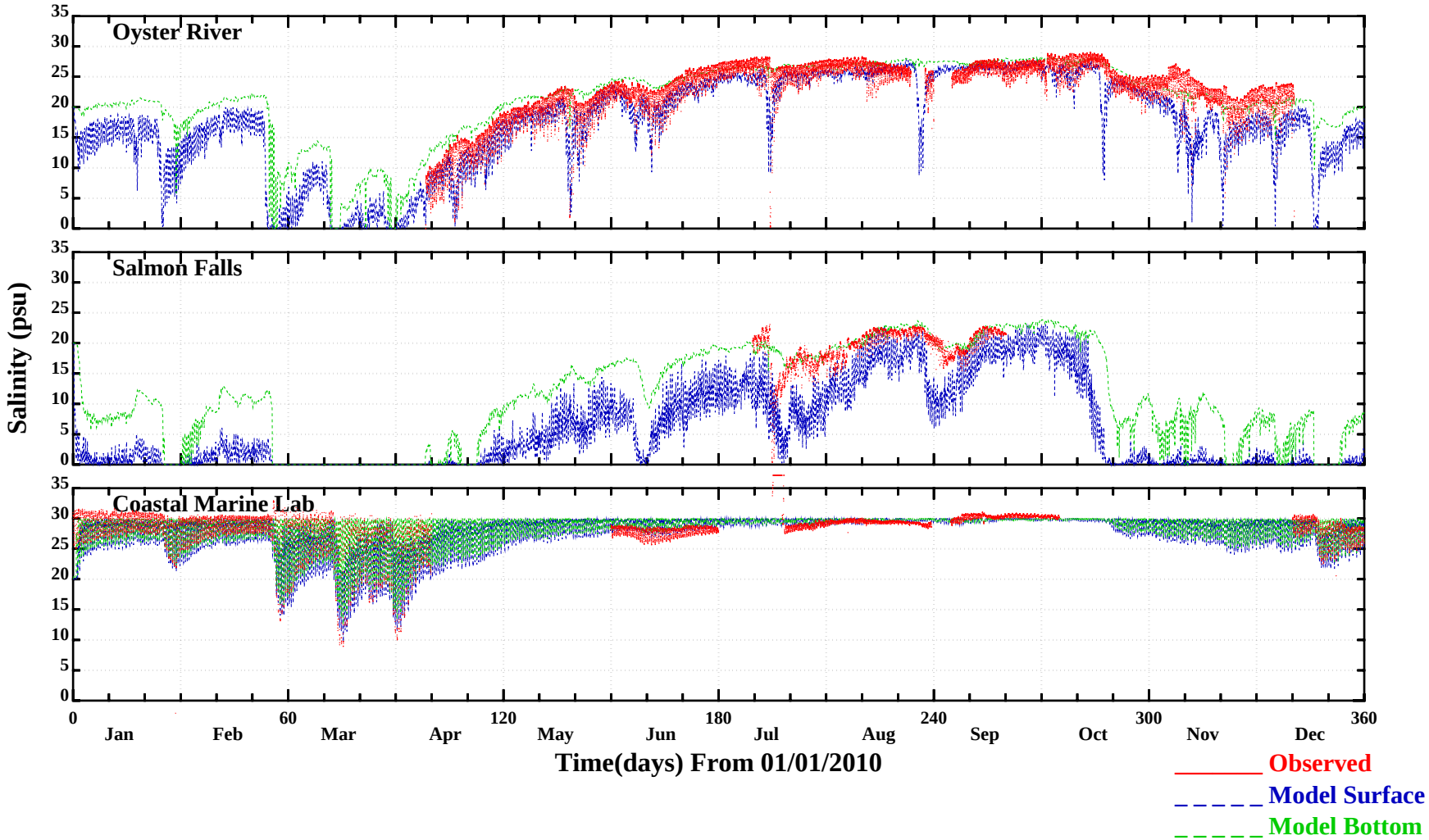


FIGURE 17. Comparison of Observed and Computed Salinity: 2010 (Cont.)

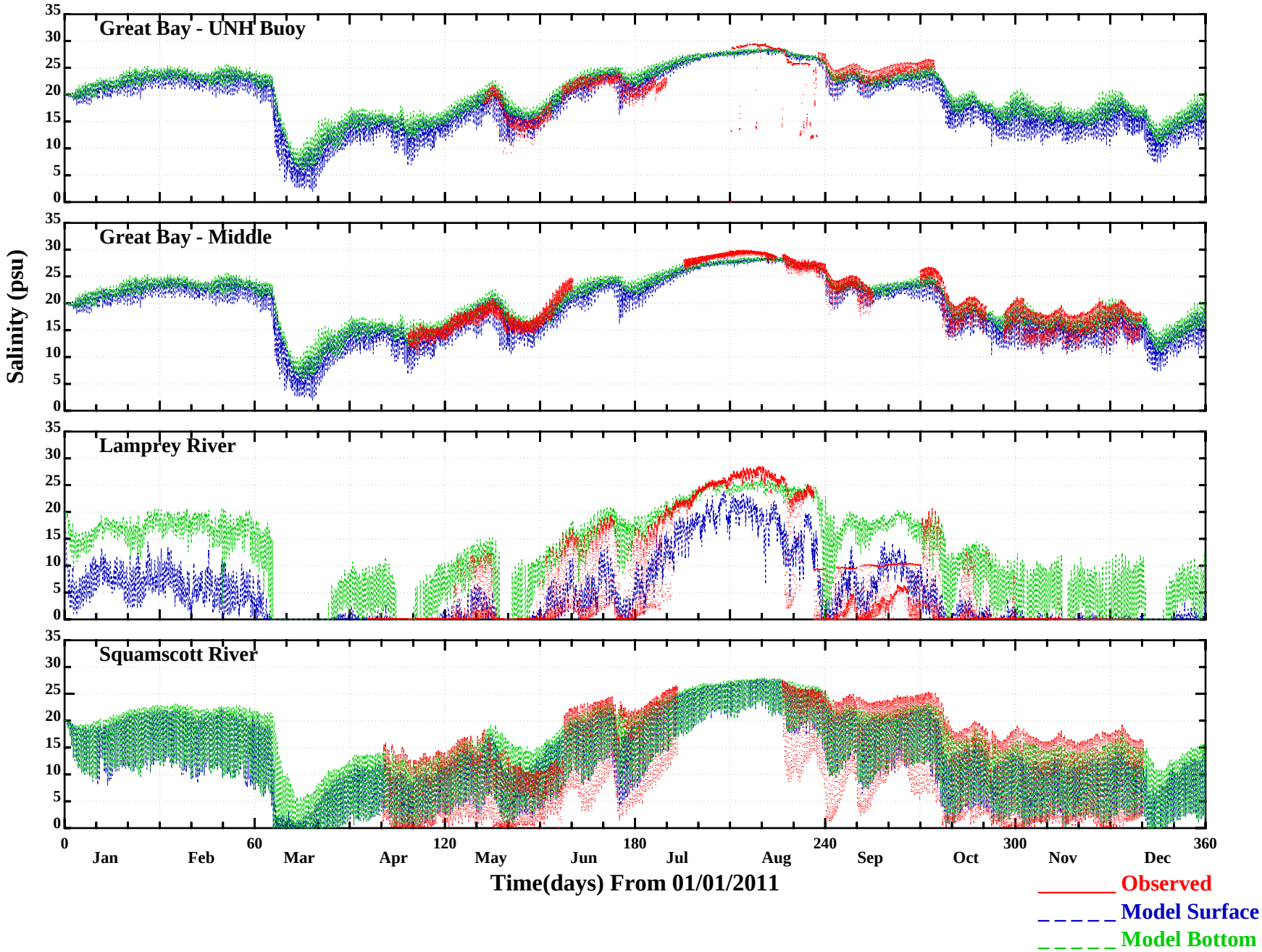


FIGURE 18. Comparison of Observed and Computed Salinity: 2011

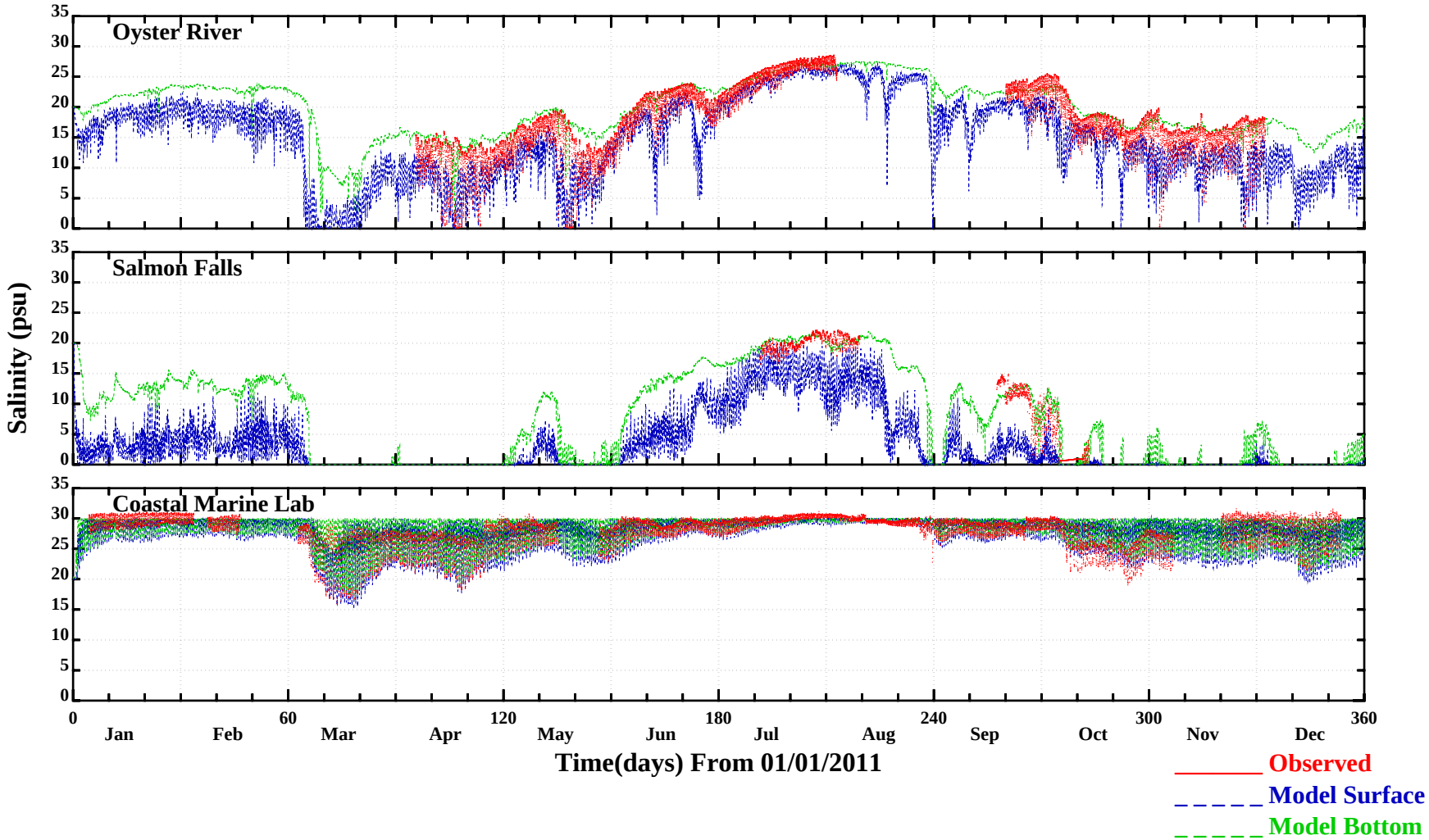


FIGURE 18. Comparison of Observed and Computed Salinity: 2011 (Cont.)

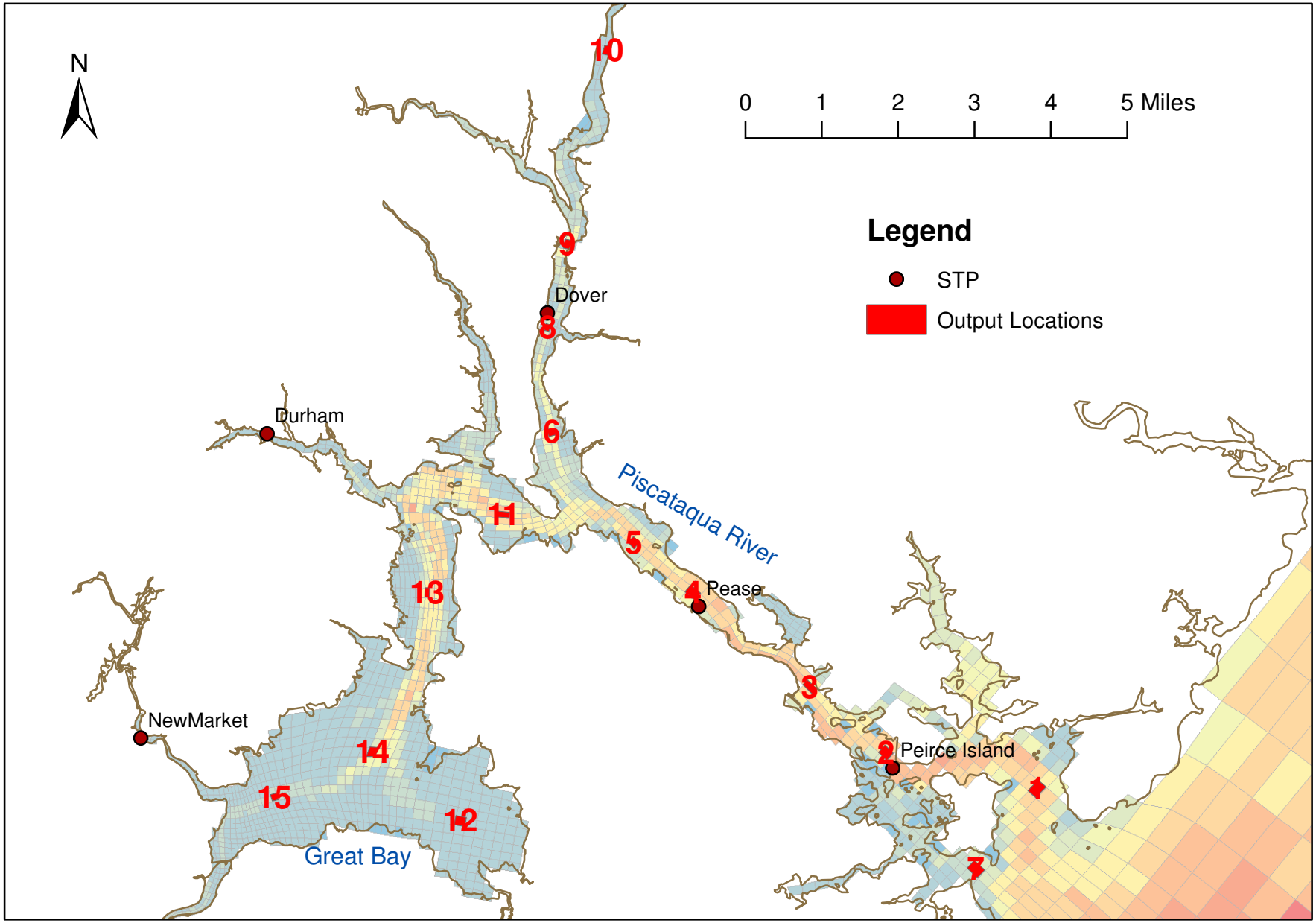


FIGURE 19. GBES Hydrodynamic Model Locations for Percent Effluent Calculations

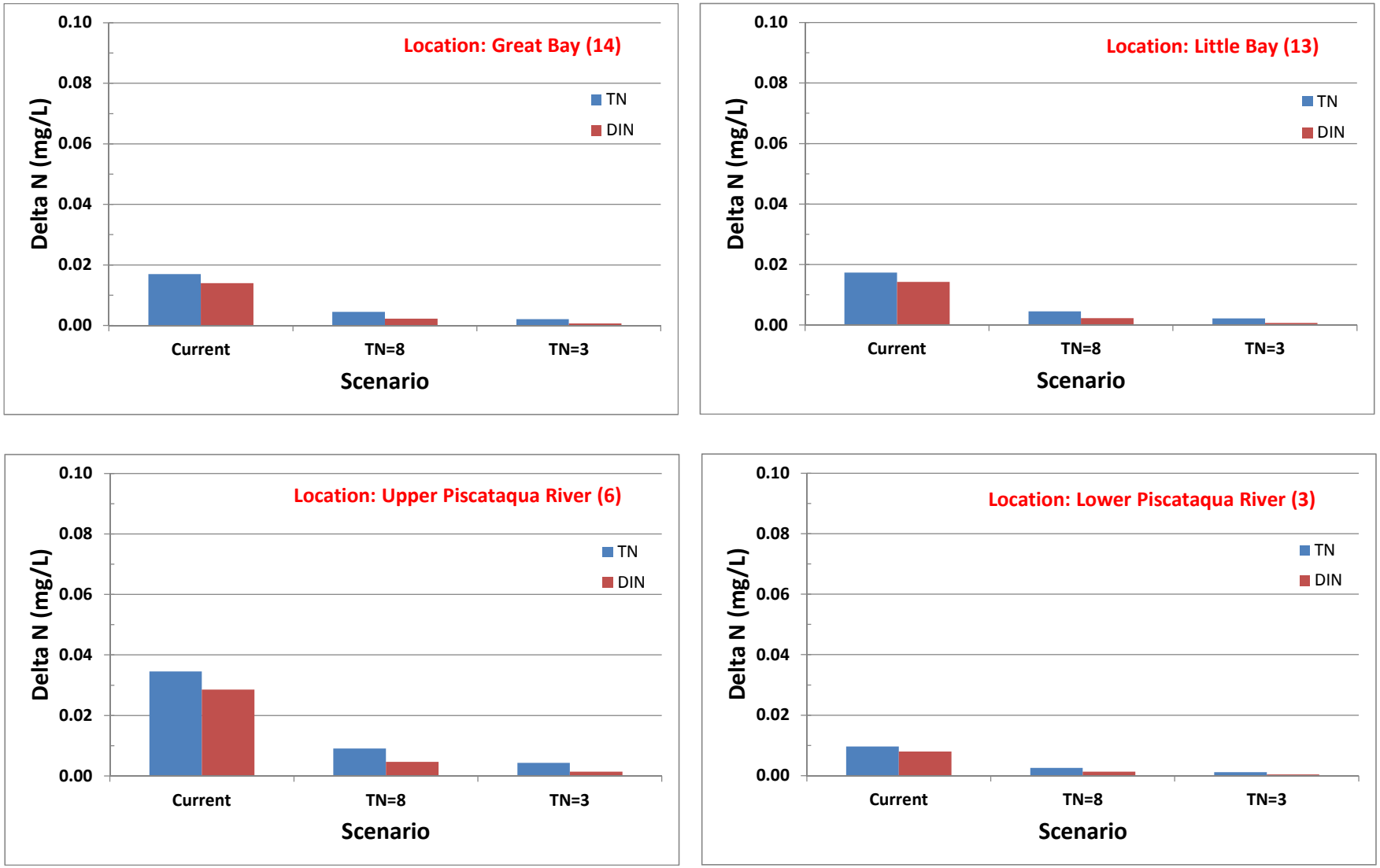


**FIGURE 20. Dover WWTP average (2010-2011) incremental TN and DIN under current effluent flow conditions.**

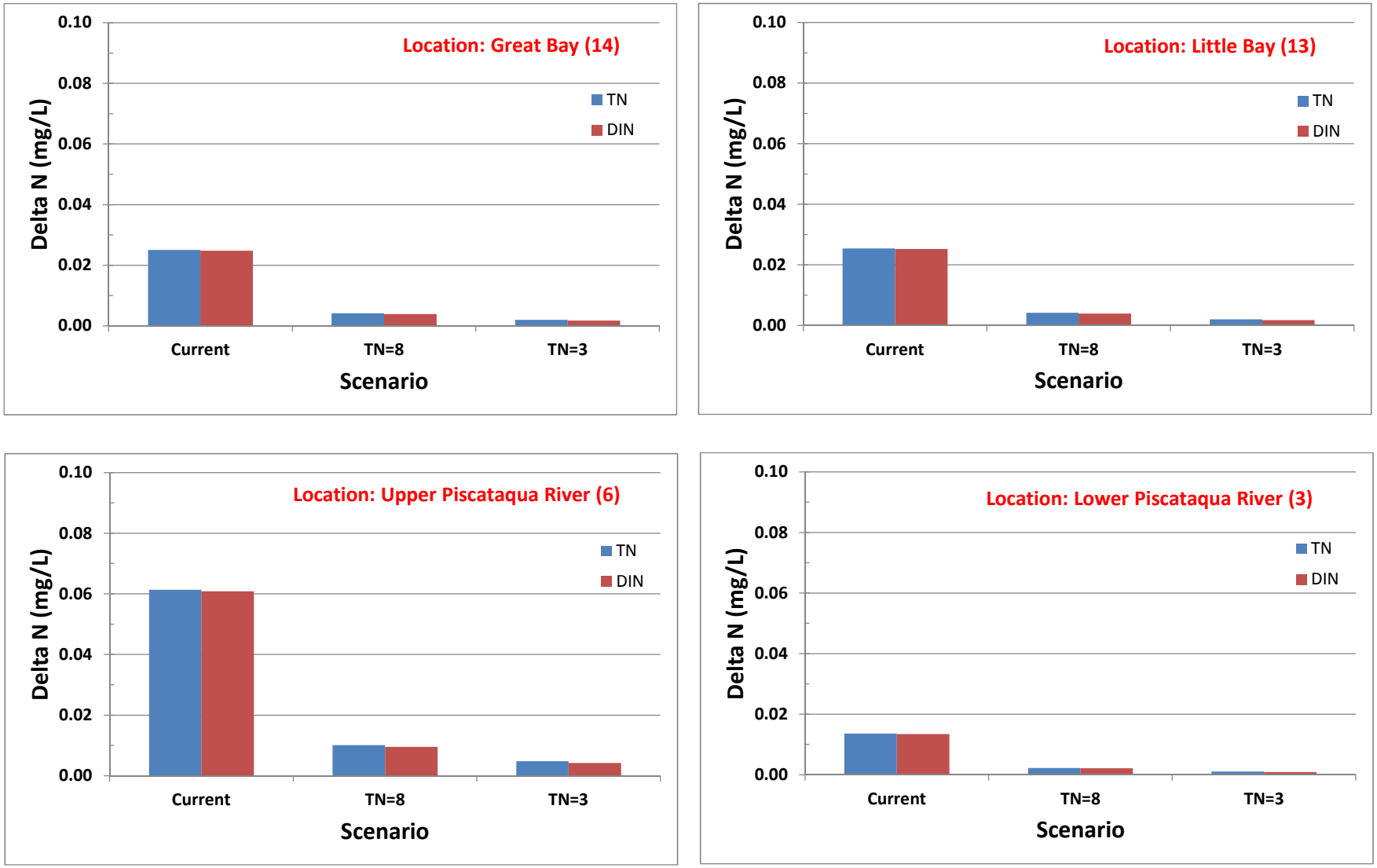


**FIGURE 21. Rochester WWTP average (2010-2011) incremental TN and DIN under current effluent flow conditions.**

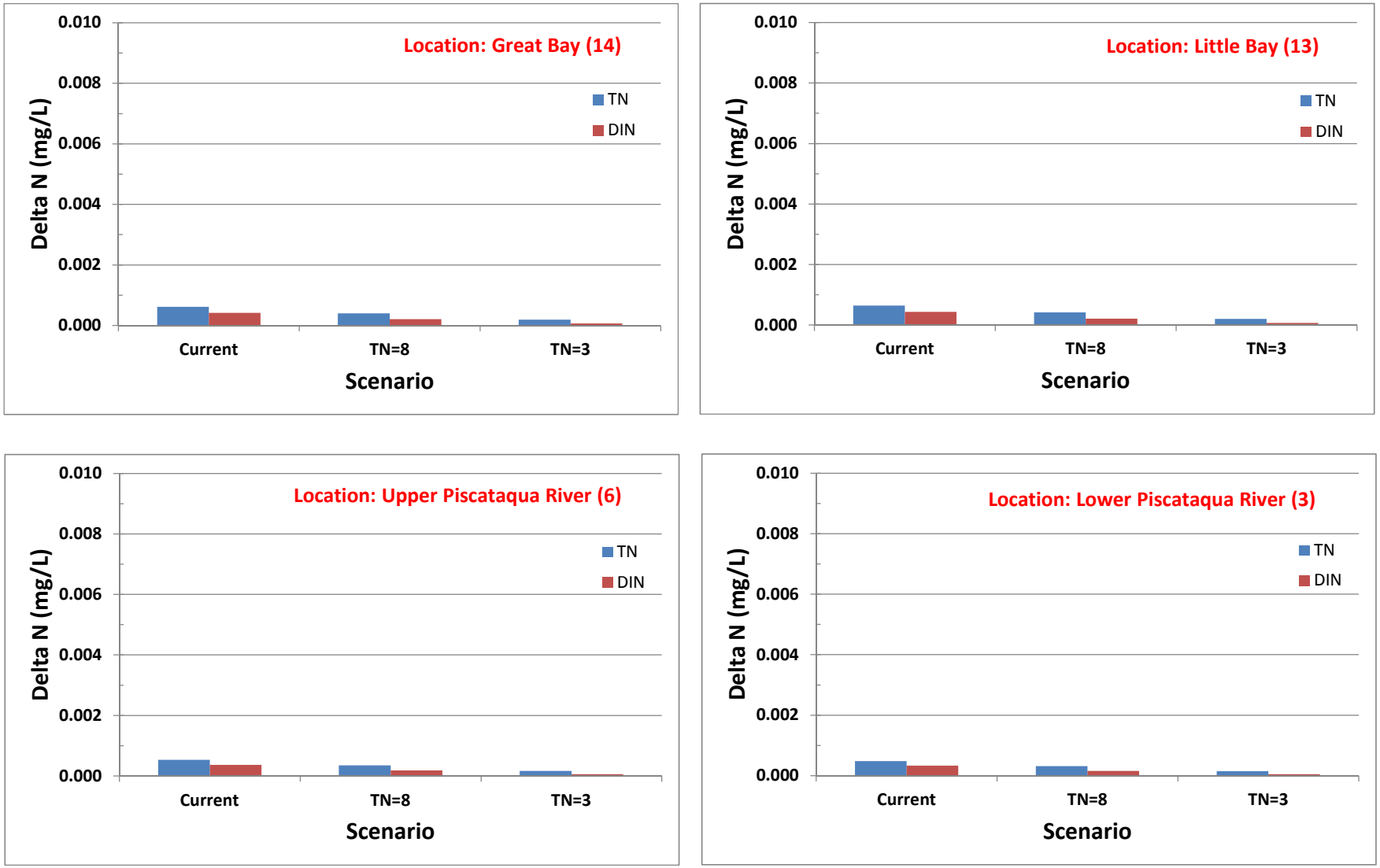


**FIGURE 22. Pease WWTP average (2010-2011) incremental TN and DIN under current effluent flow conditions.**

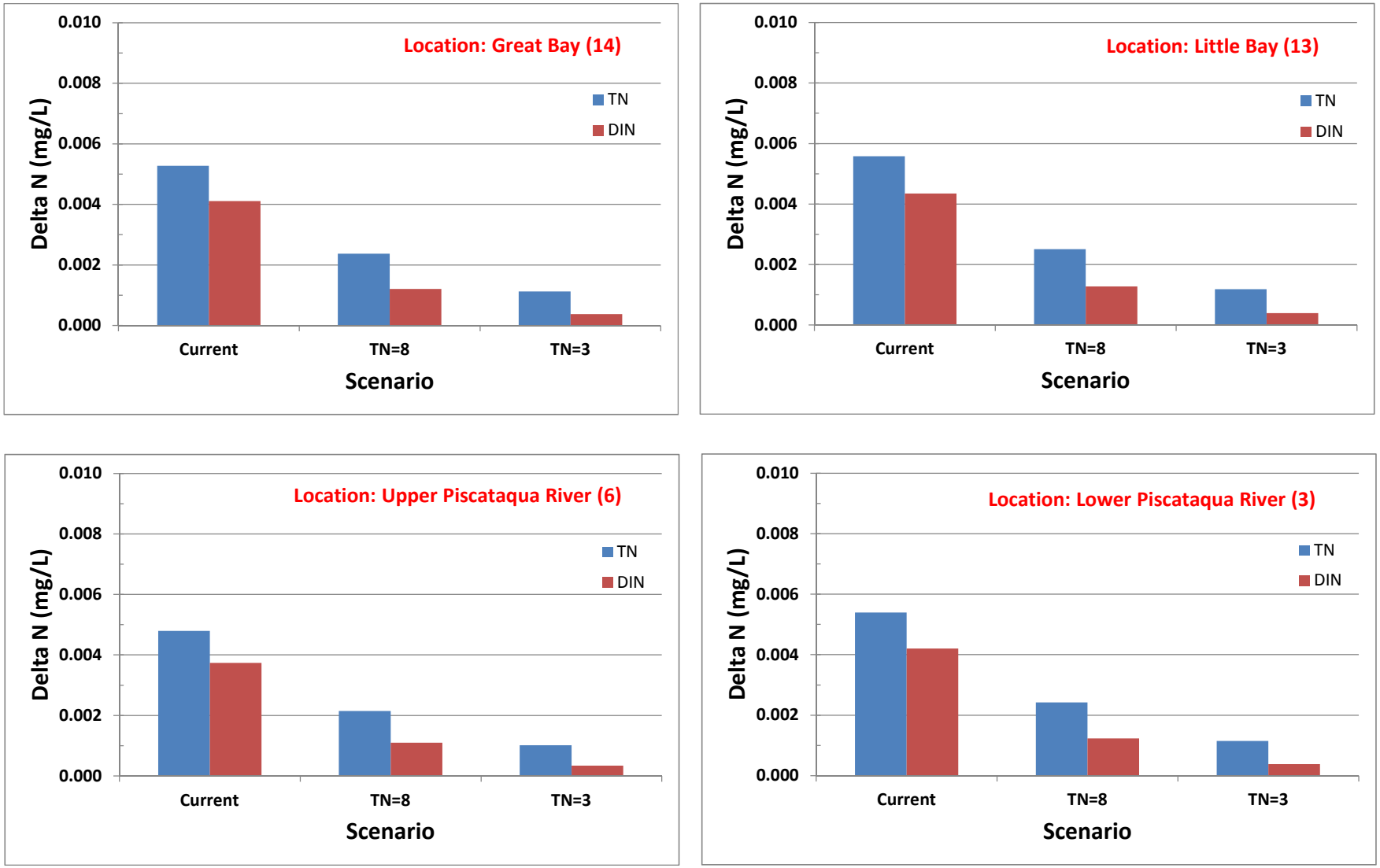


**FIGURE 23. Portsmouth WWTP average (2010-2011) incremental TN and DIN under current effluent flow conditions.**

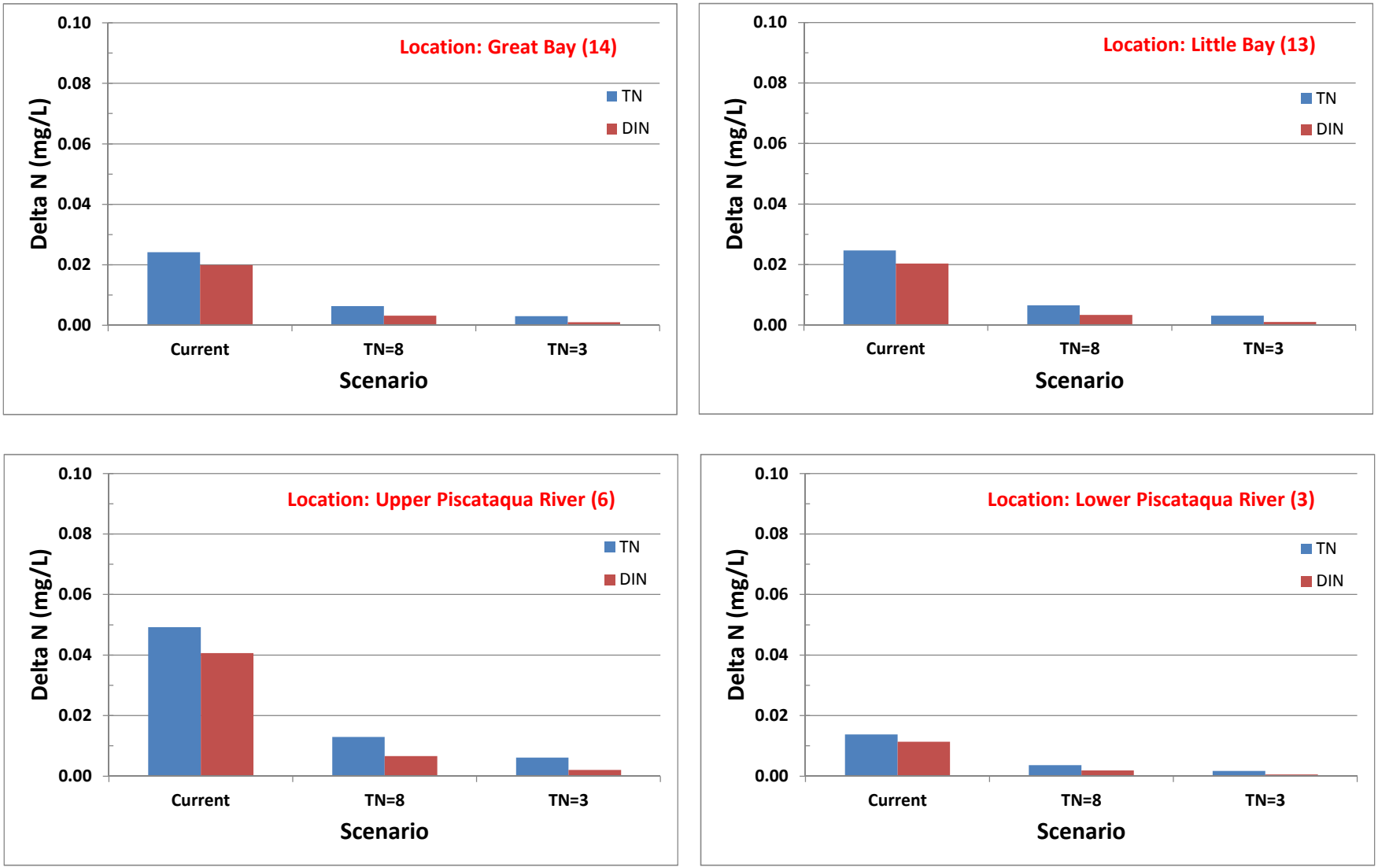


**FIGURE 24. Dover WWTP average (2010-2011) incremental TN and DIN under design effluent flow conditions.**

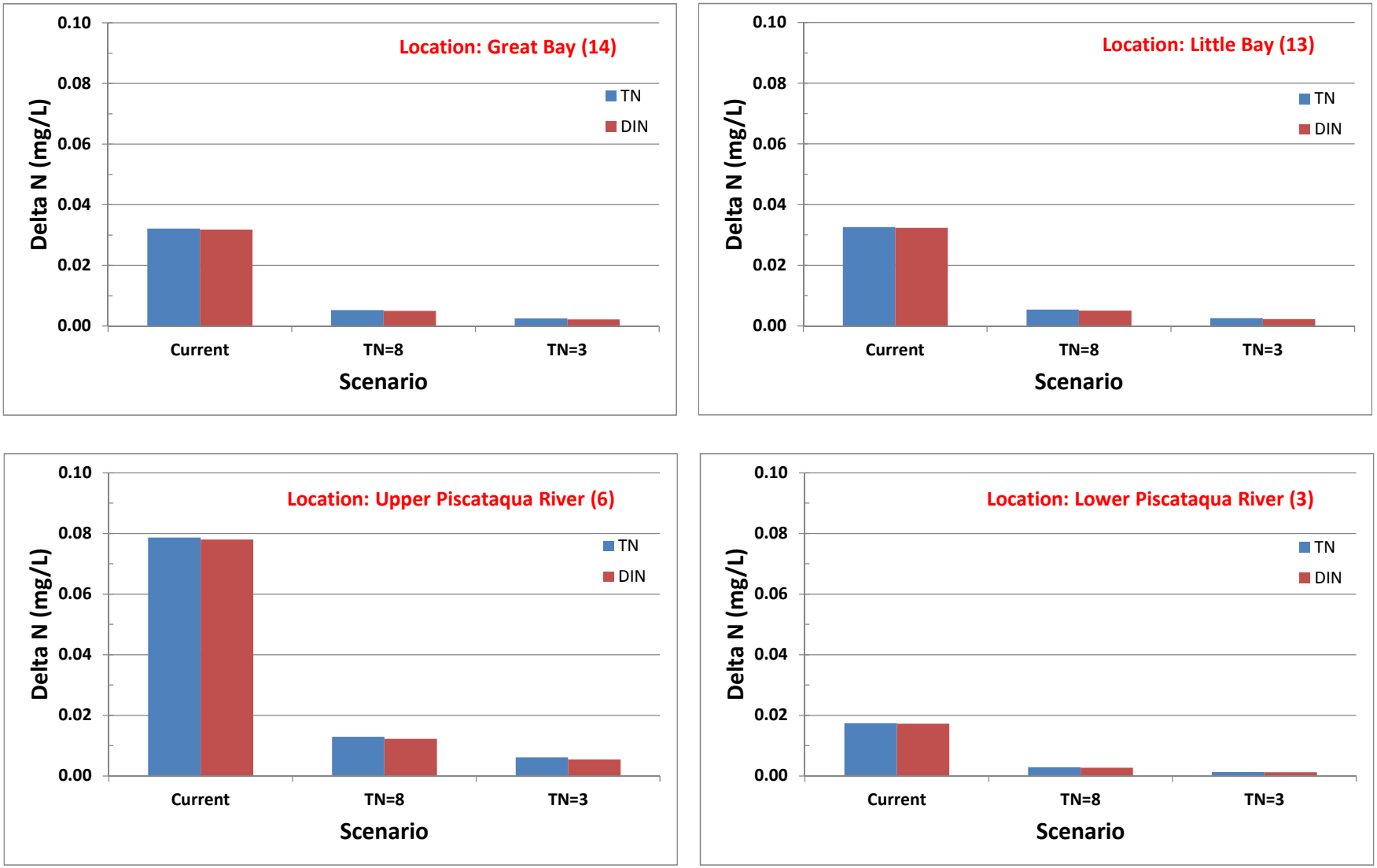


**FIGURE 25. Rochester WWTP average (2010-2011) incremental TN and DIN under design effluent flow conditions.**

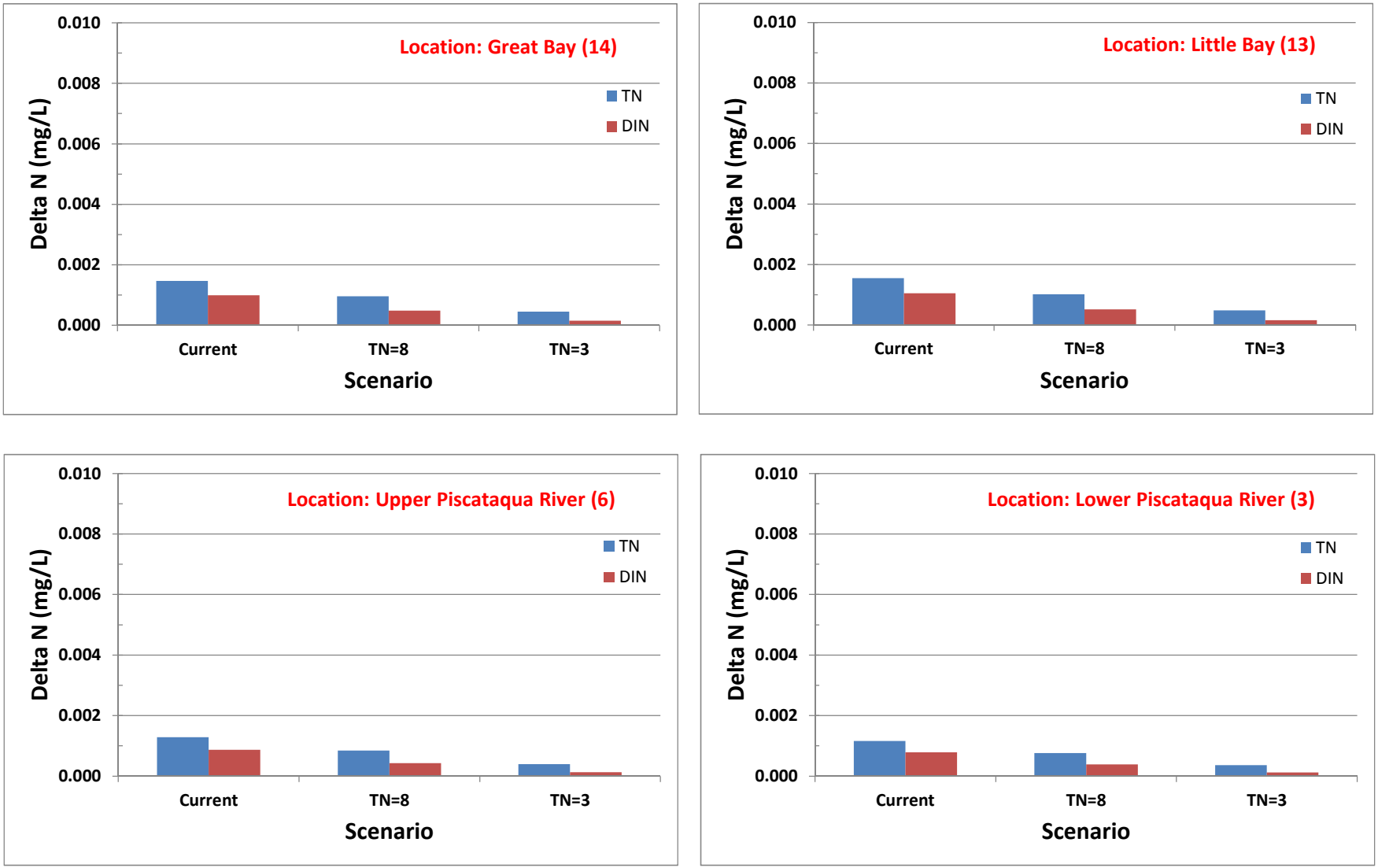


**FIGURE 26. Pease WWTP average (2010-2011) incremental TN and DIN under design effluent flow conditions.**

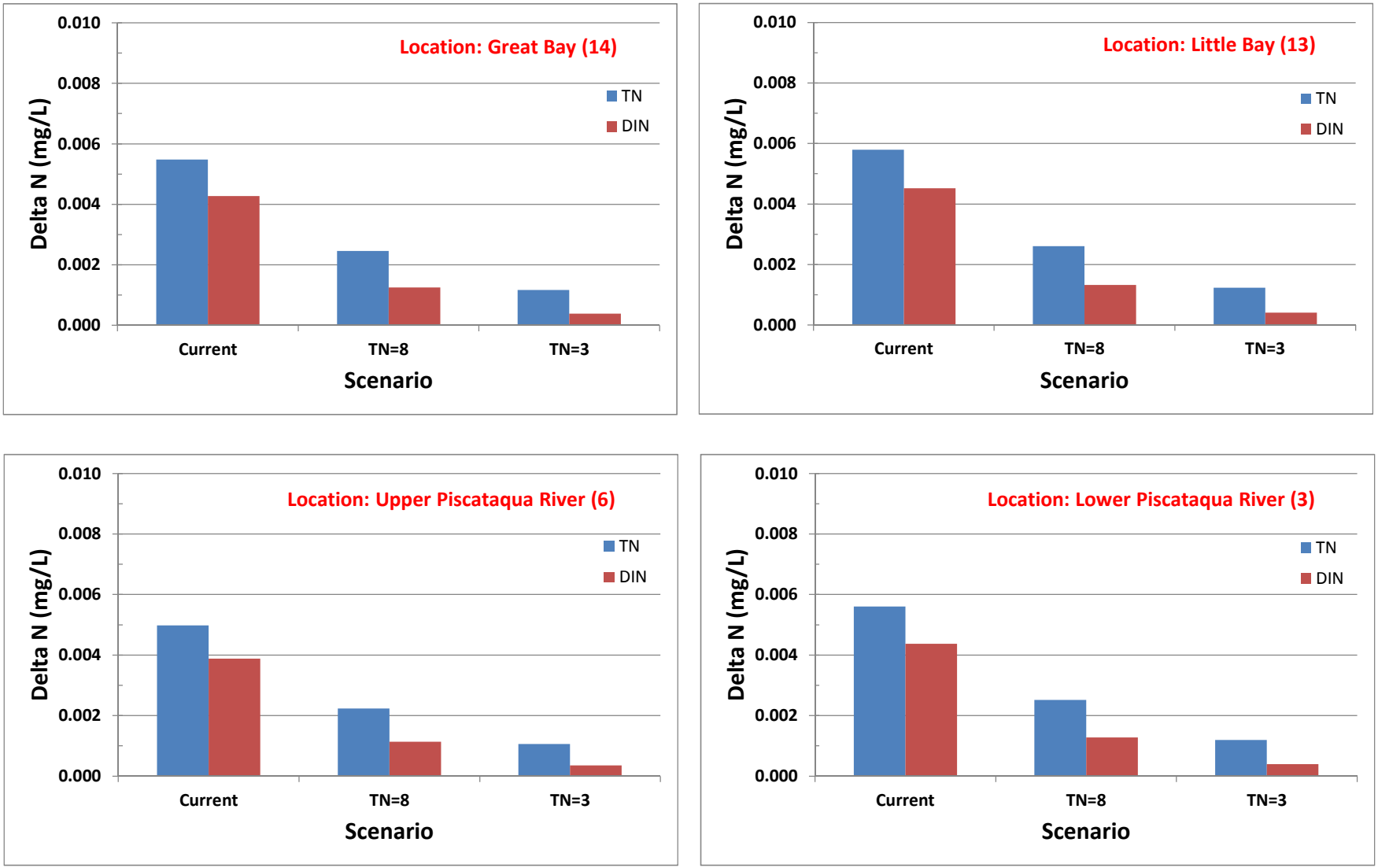


**FIGURE 27. Portsmouth WWTP average (2010-2011) incremental TN and DIN under design effluent flow conditions.**

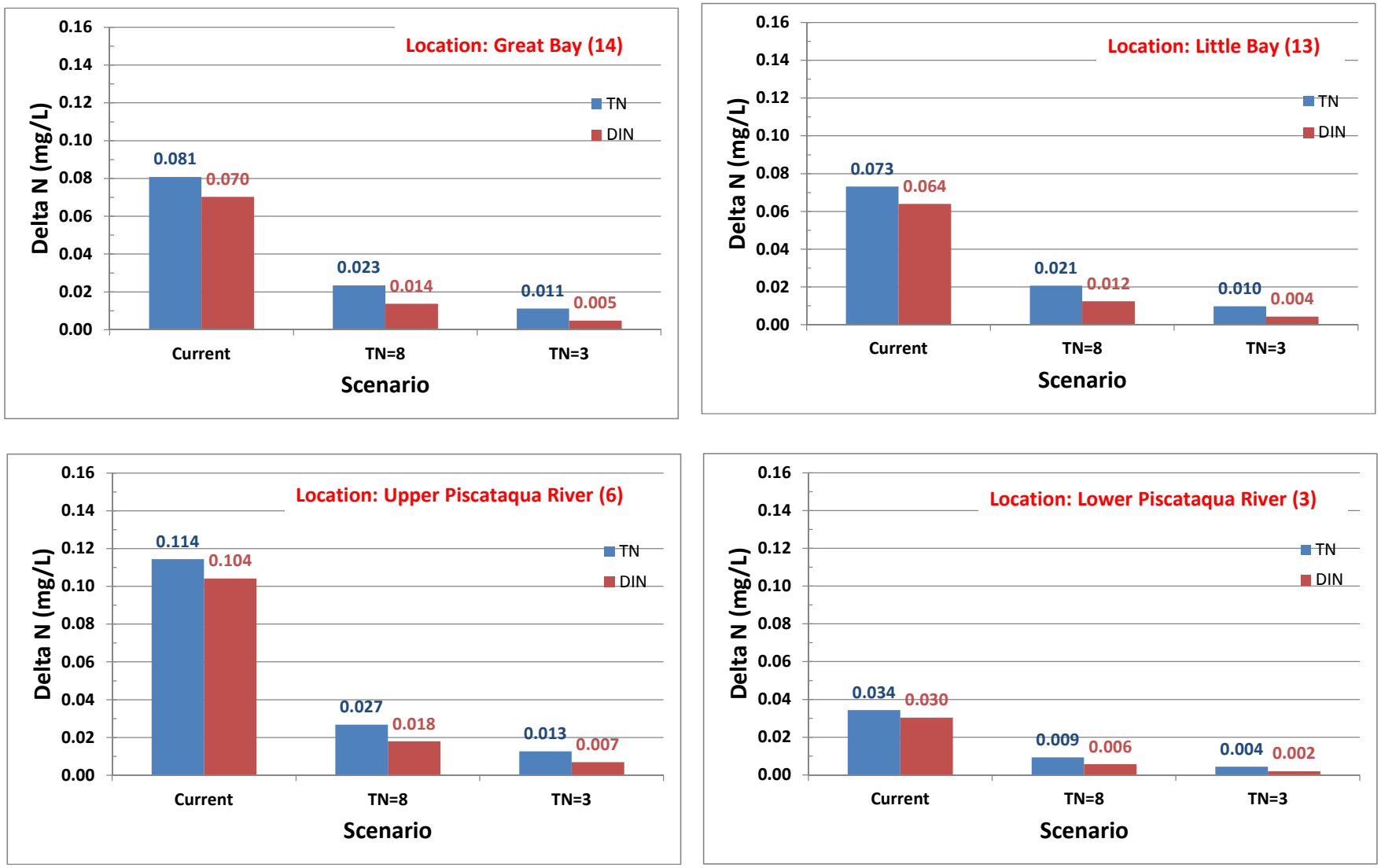


**FIGURE 28. All WWTPs* average (2010-2011) incremental TN and DIN under current effluent flow conditions.**
*** Dover, Rochester, Pease, Portsmouth, Exeter, Durham, and Newmarket WWTPs.**

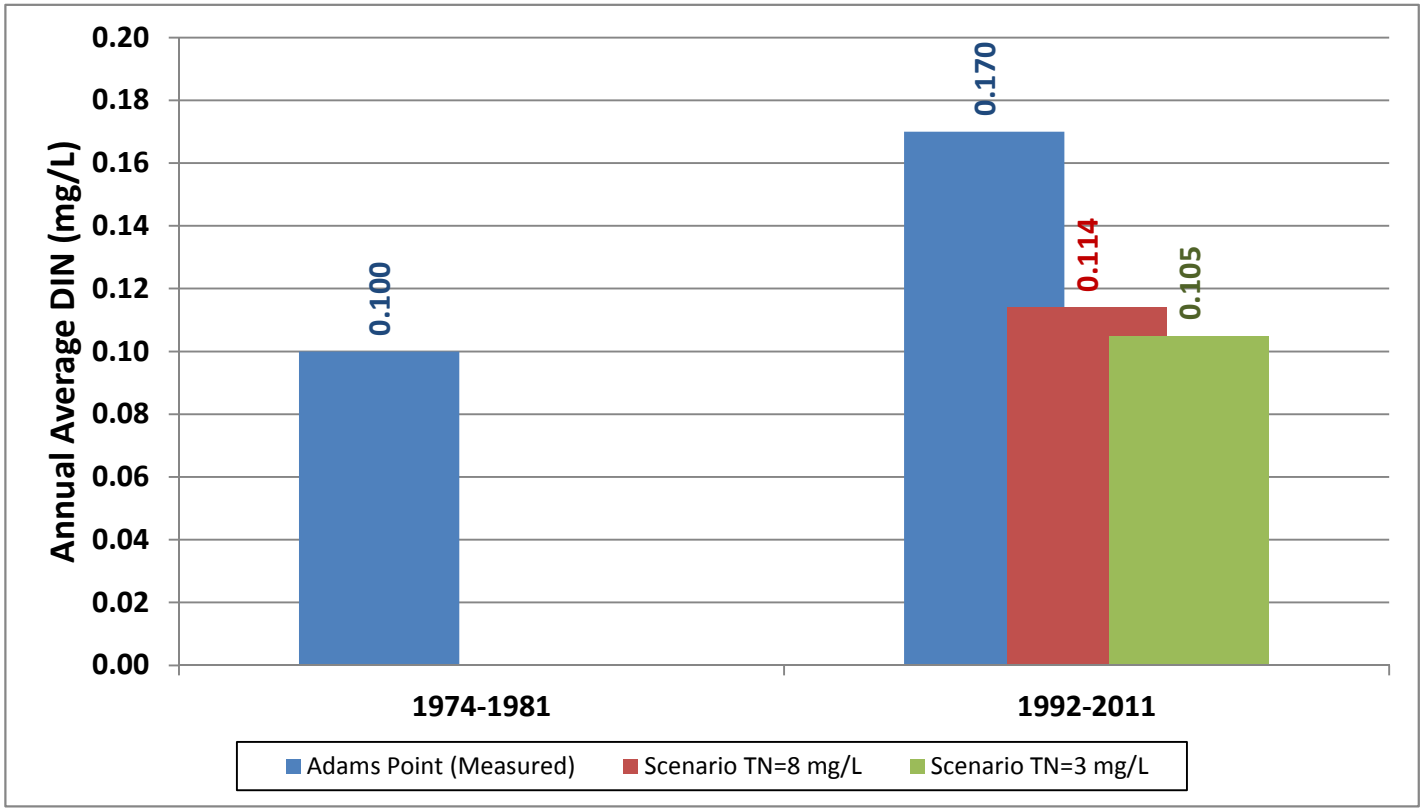


**FIGURE 29. Average DIN measured at Adams Point (Station GRBAP) and estimated DIN decrease under nitrogen reduction scenarios (TN=8 mg/L and TN=3 mg/L).**

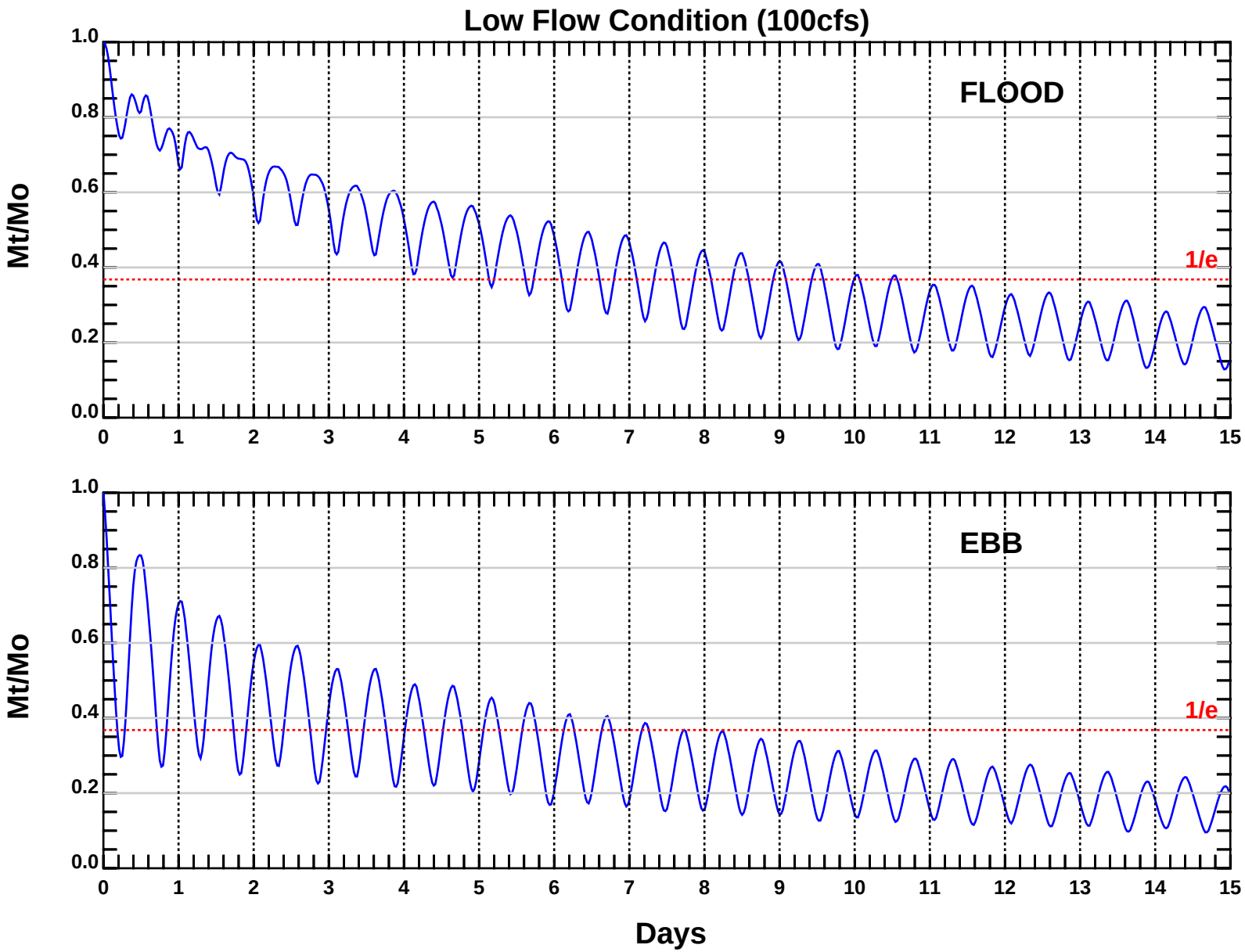


**FIGURE 30. Great Bay Flushing Time - Low Flow Conditions (September 2010)**

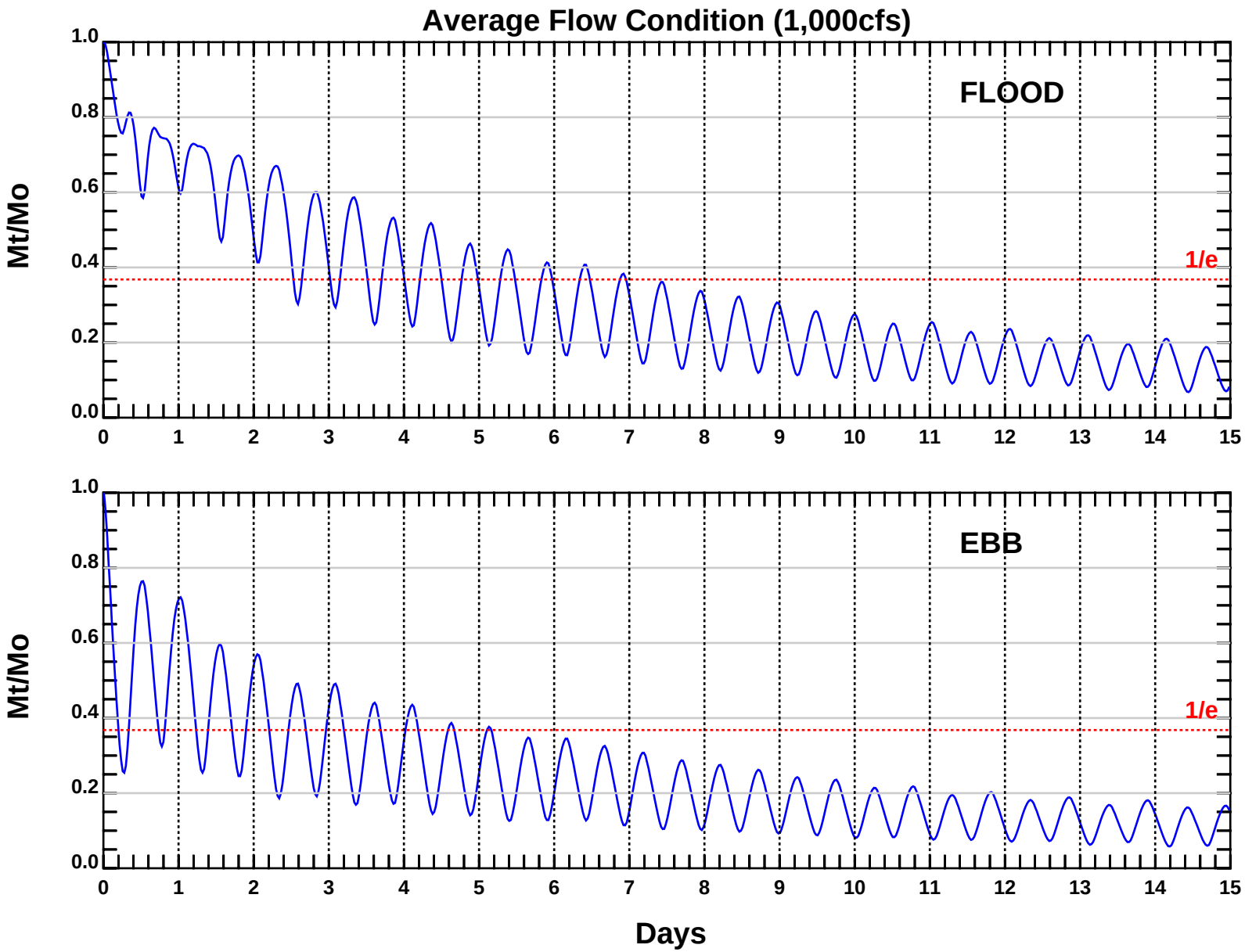


**FIGURE 31. Great Bay Flushing Time - Average Flow Conditions (February 2010)**