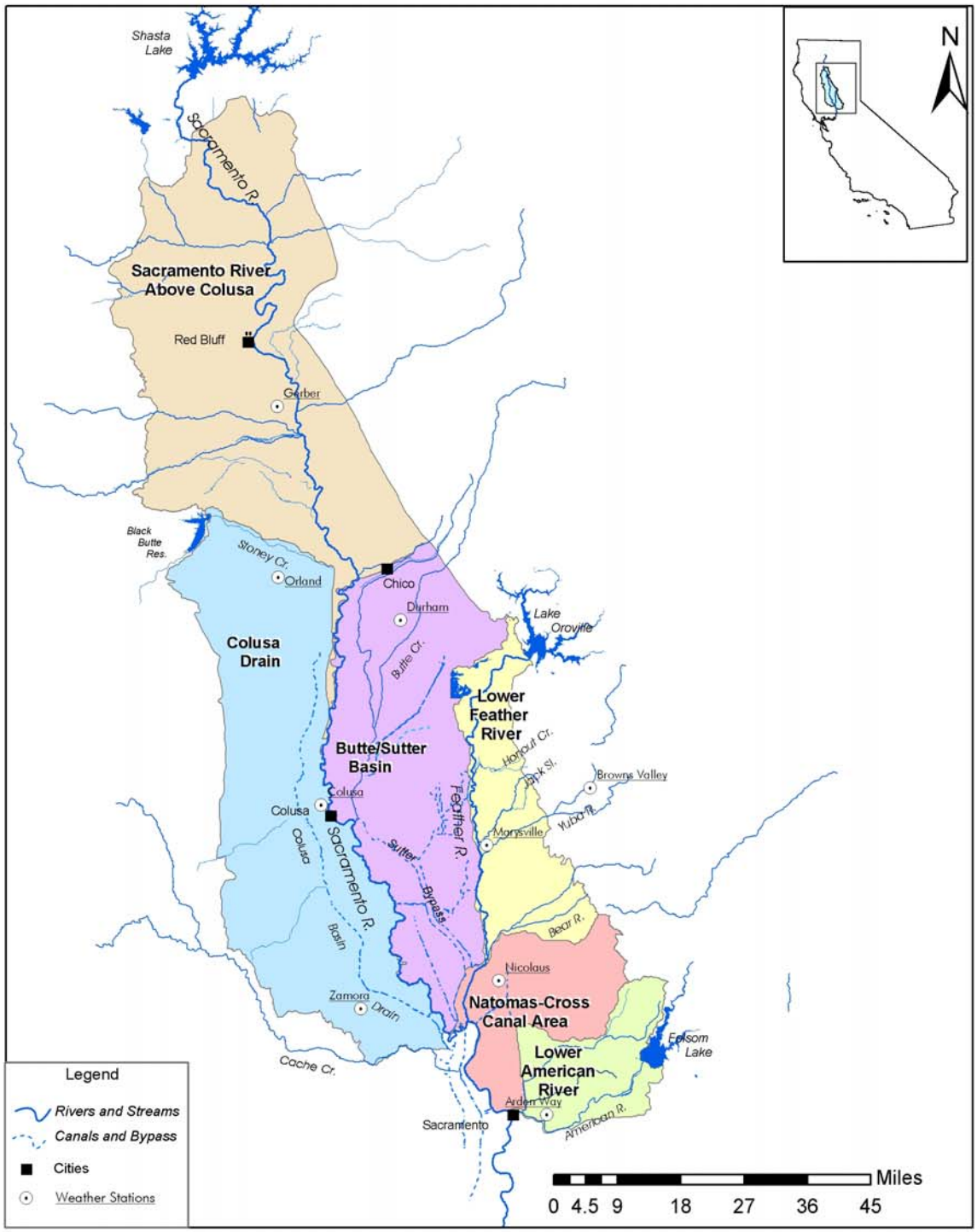


Figure 1. Delineation of the Subbasins in the Sacramento River Watershed - Sacramento Valley

CEN 7/7/03
Sacto_pesticide_modelling2
Based on Regional Water Quality Control Board map
Thanks to Gene Davis

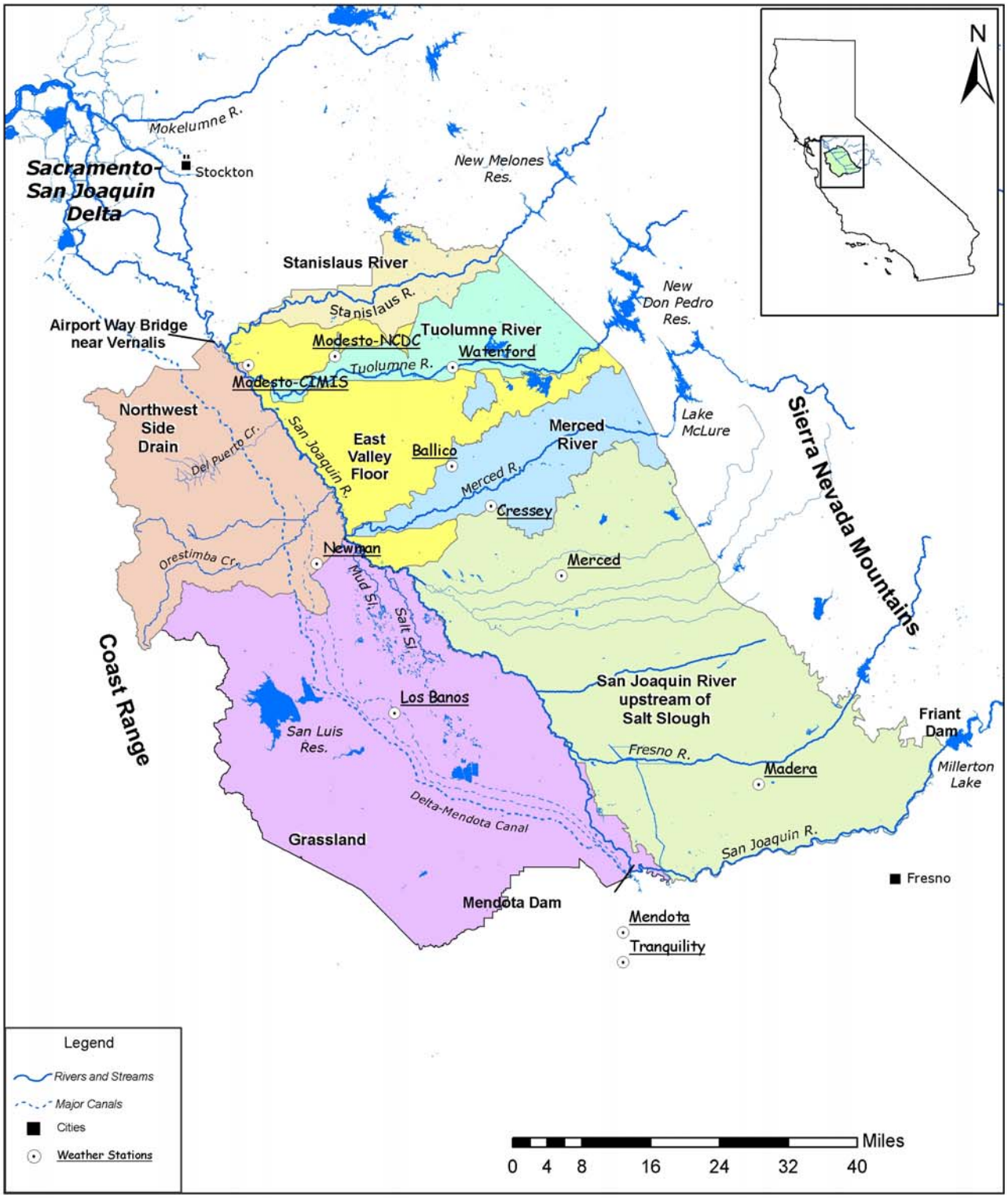


Figure 2. Delineation of the Subbasins in the San Joaquin River Watershed - The Lower San Joaquin Valley

CEN 7/7/03
SanJoaquin_modeling2.mxd
Based on Regional Water Quality Control Board map
Thanks to Tim Tadlock

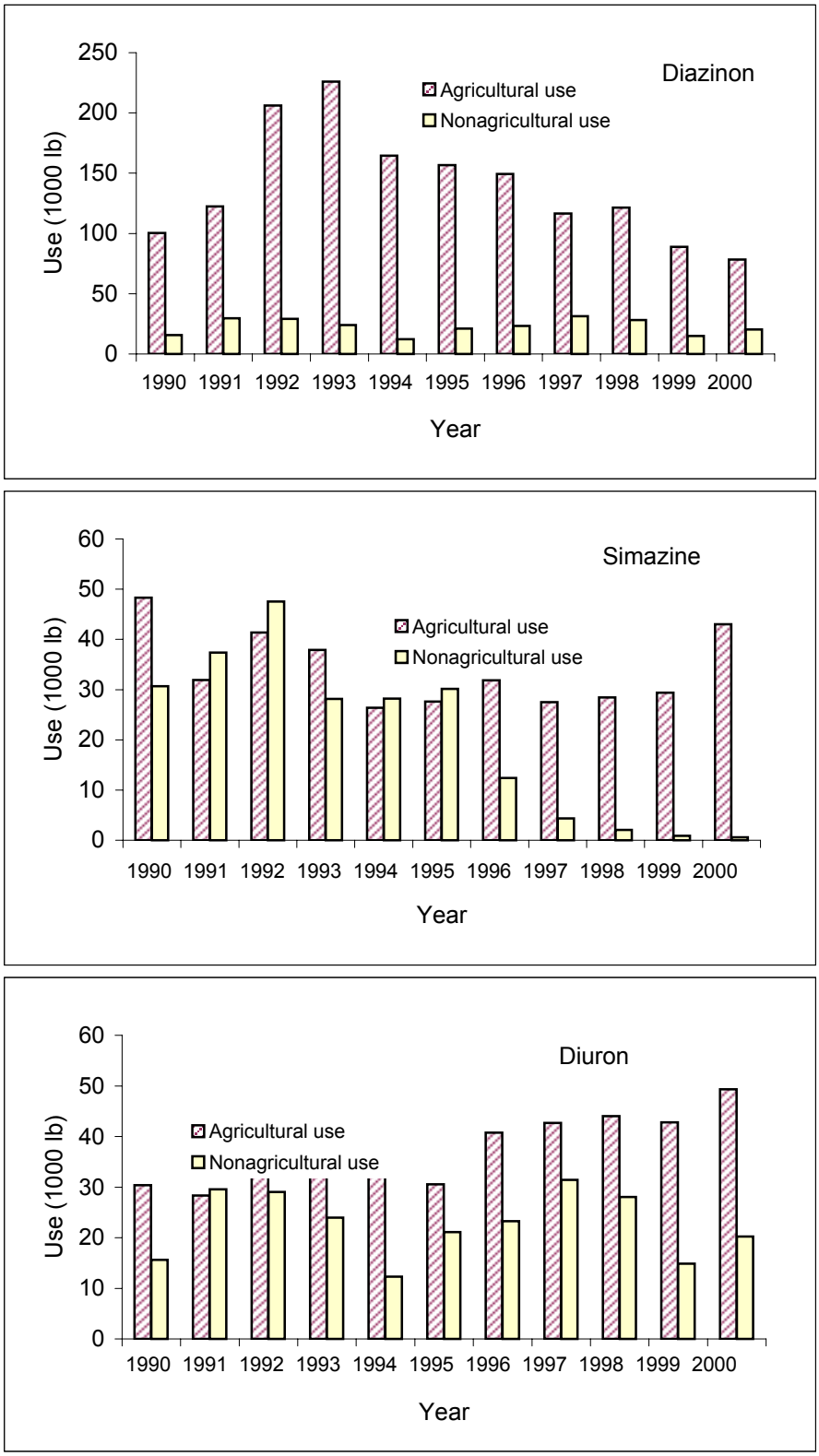


Figure 3. Comparison of agricultural vs. nonagricultural use of pesticides for counties located or partially located in the Sacramento River watershed.

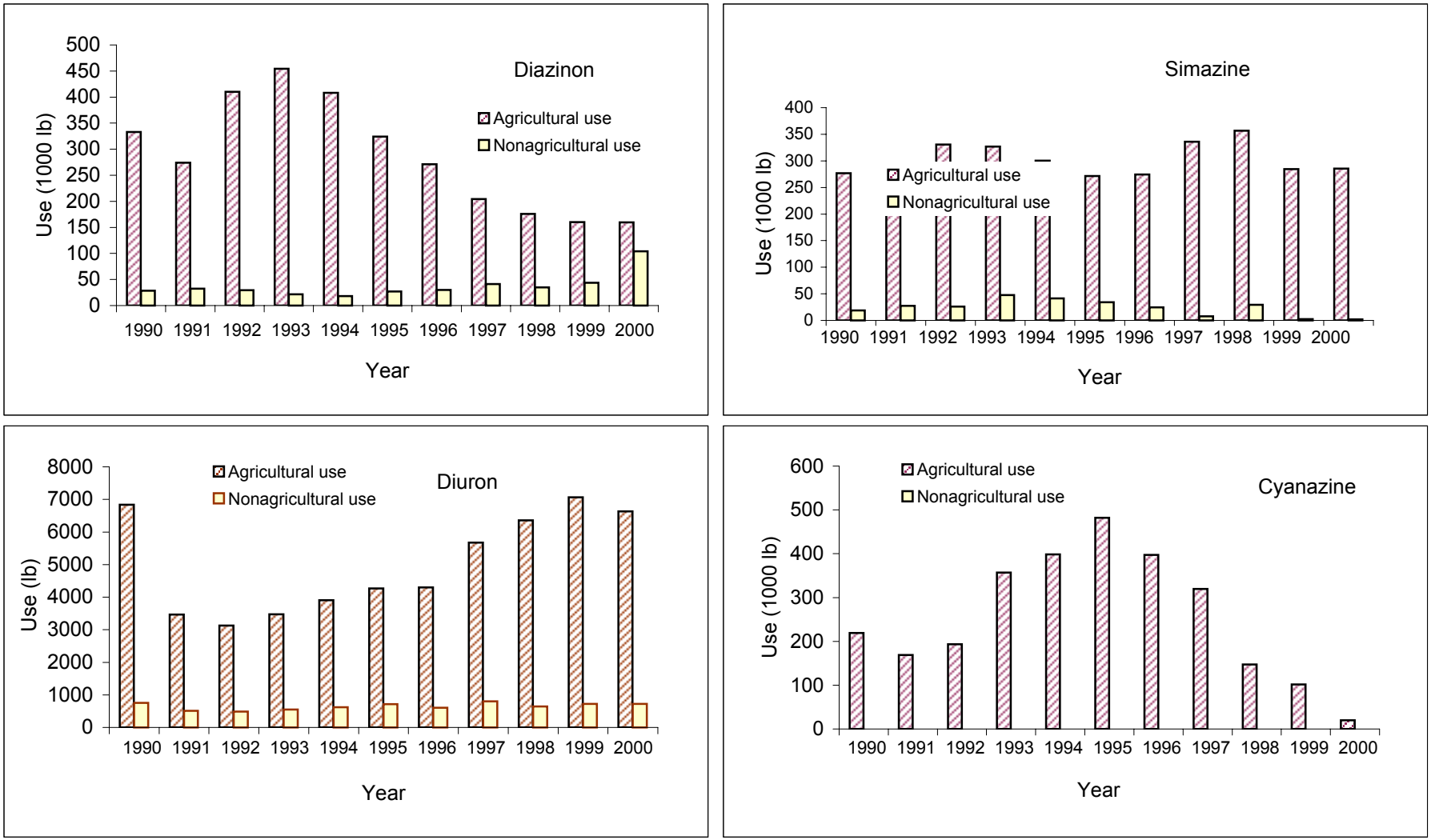


Figure 4. Comparison of agricultural vs. nonagricultural use of pesticides for counties located or partially located in the San Joaquin River watershed.

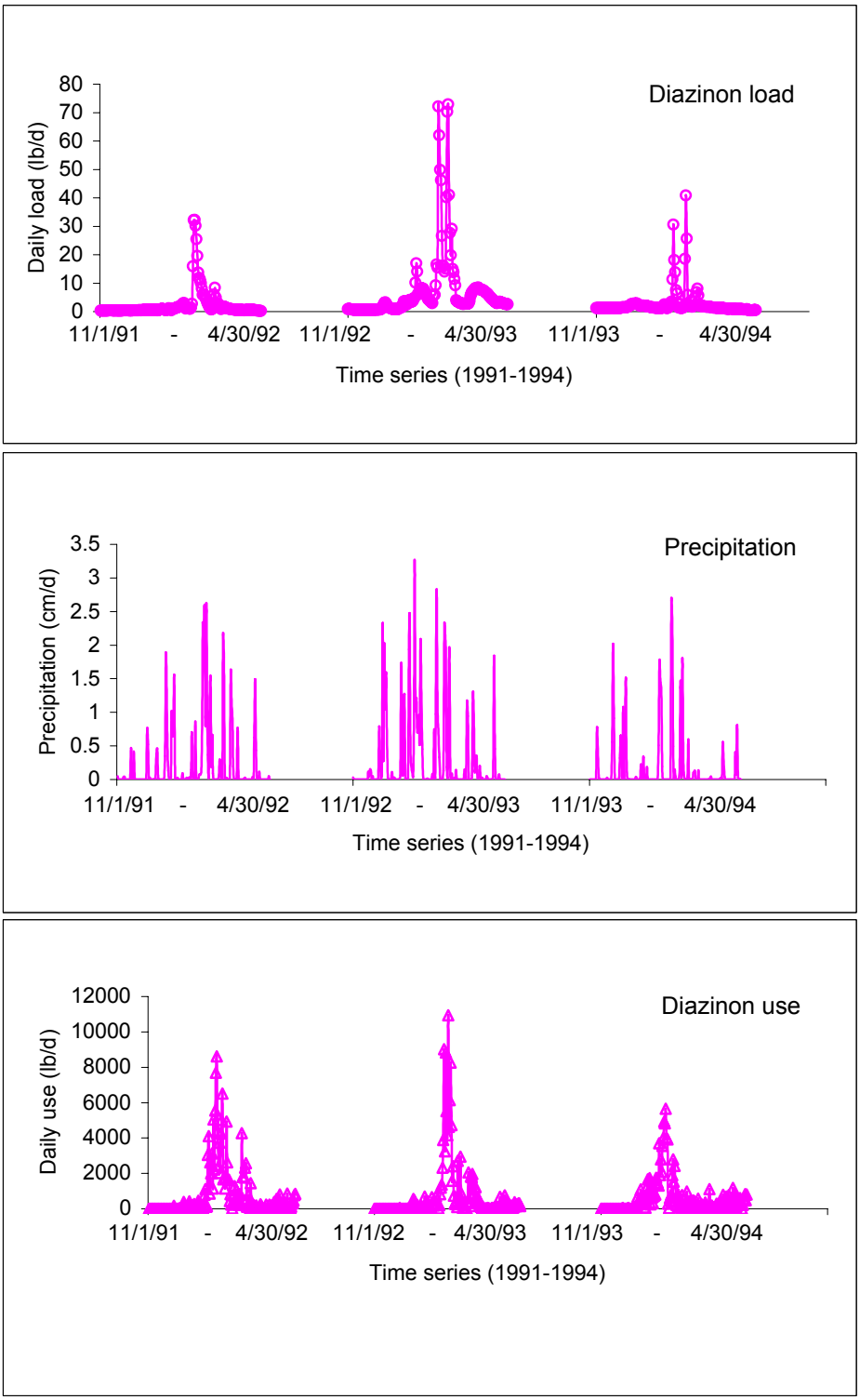


Figure 5. The time series of diazinon load in the Sacramento River, precipitation, and diazinon use in the Sacramento River basin during 1991 to 1994 winter storm seasons.

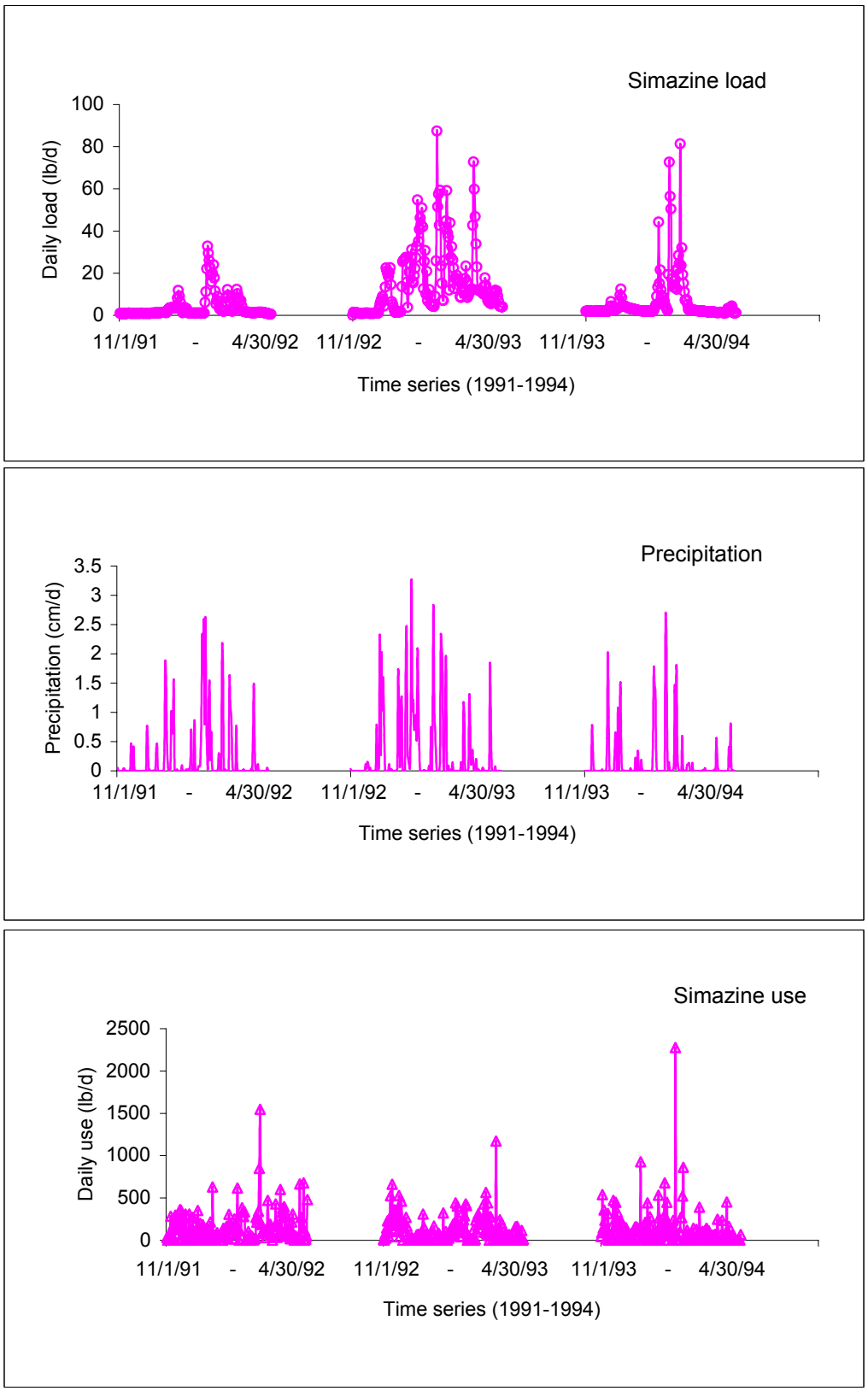
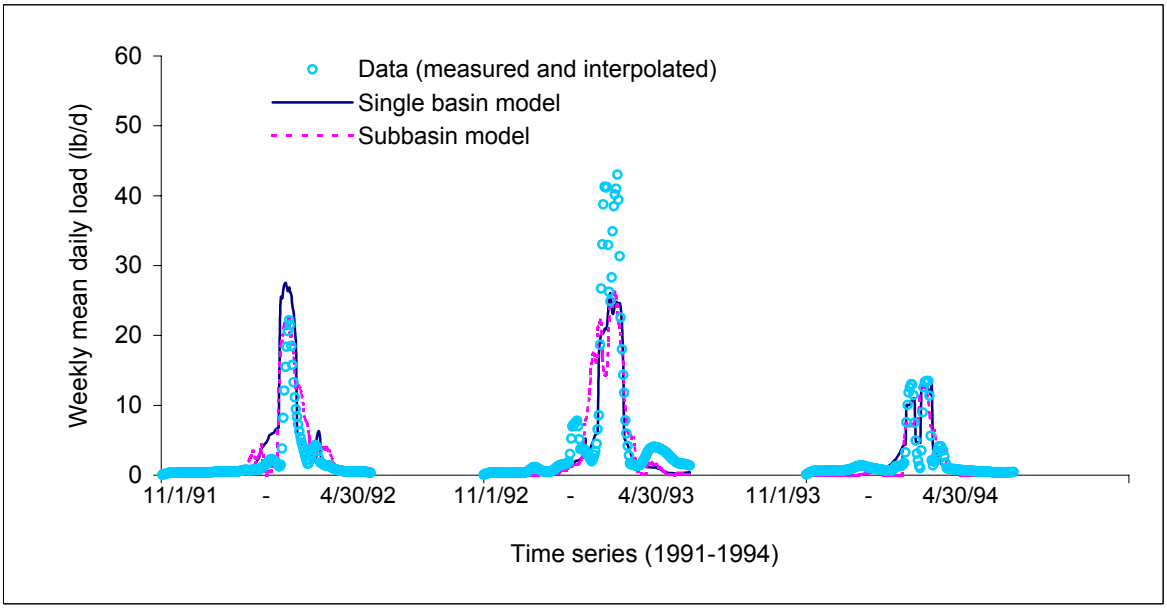


Figure 6. The time series of simazine load in the Sacramento River, precipitation, and simazine use in the Sacramento River basin during 1991 to 1994 winter storm seasons.



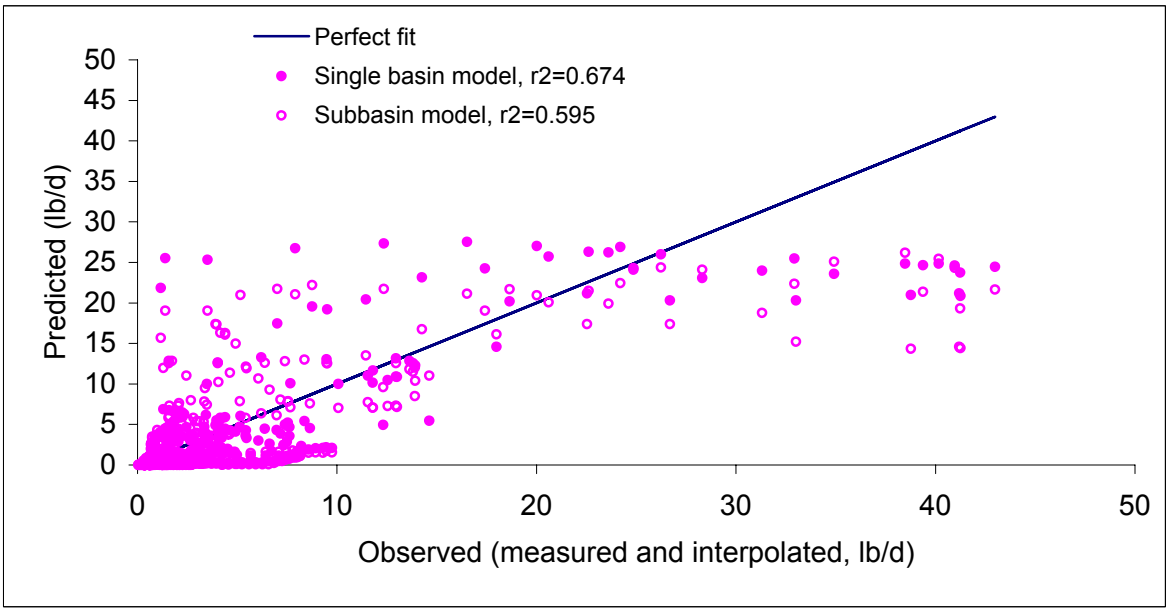
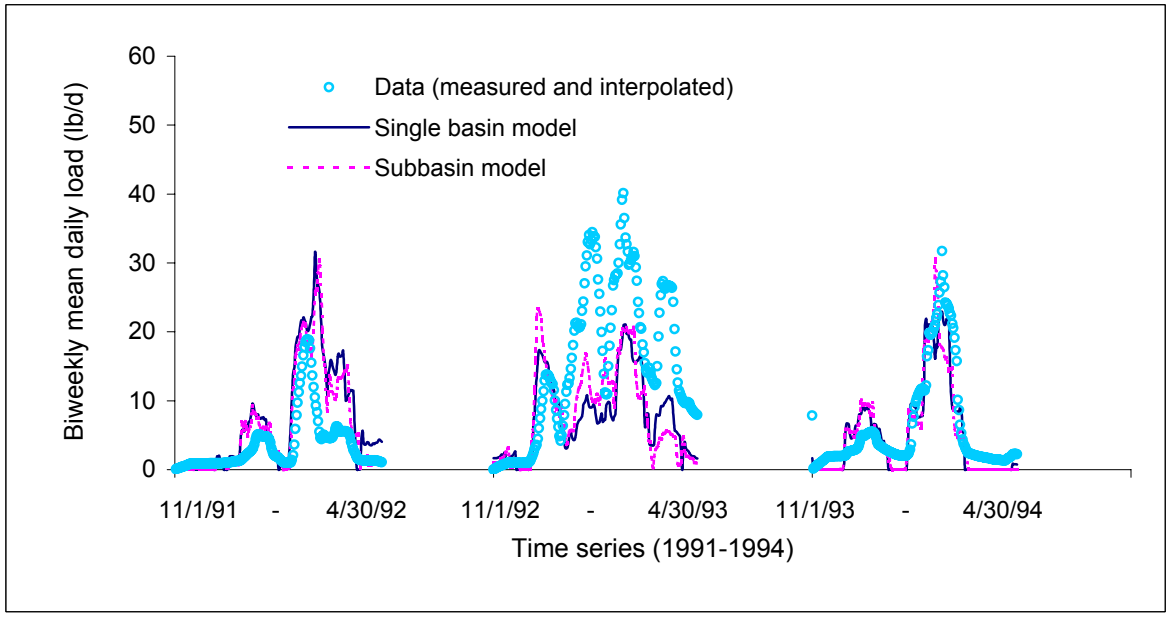


Figure 7. Comparison of observed and regression model fitted weekly mean daily loads of diazinon for the Sacramento River at the I St. Bridge.



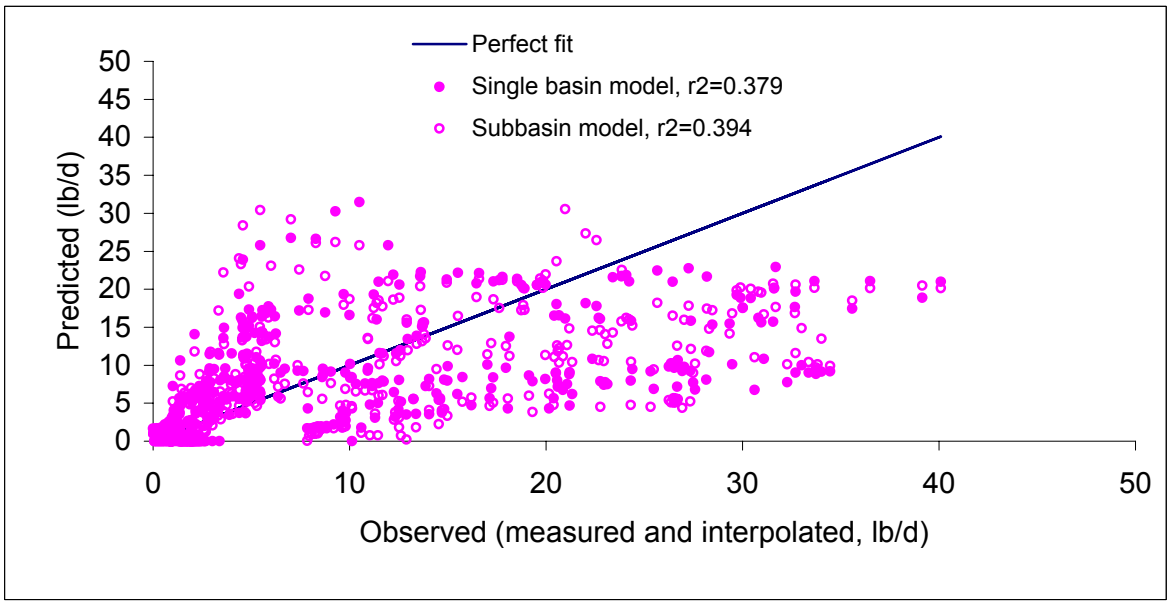


Figure 8. Comparison of observed and regression model fitted biweekly mean daily loads of simazine for the Sacramento River at the I St. Bridge.

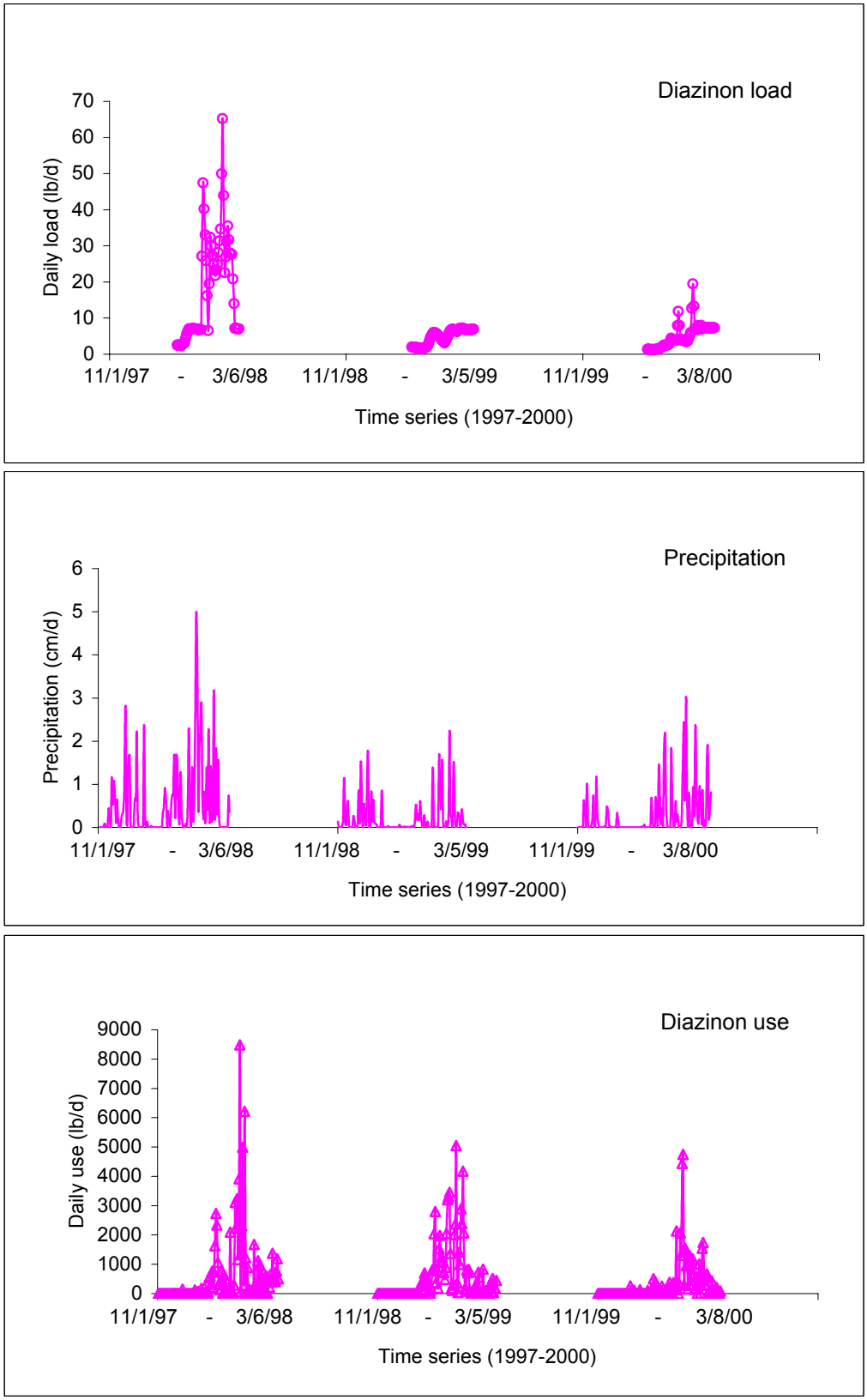


Figure 9. The time series of diazinon load in the Sacramento River, precipitation, and diazinon use in the Sacramento River basin during 1997 to 2000 winter storm seasons.

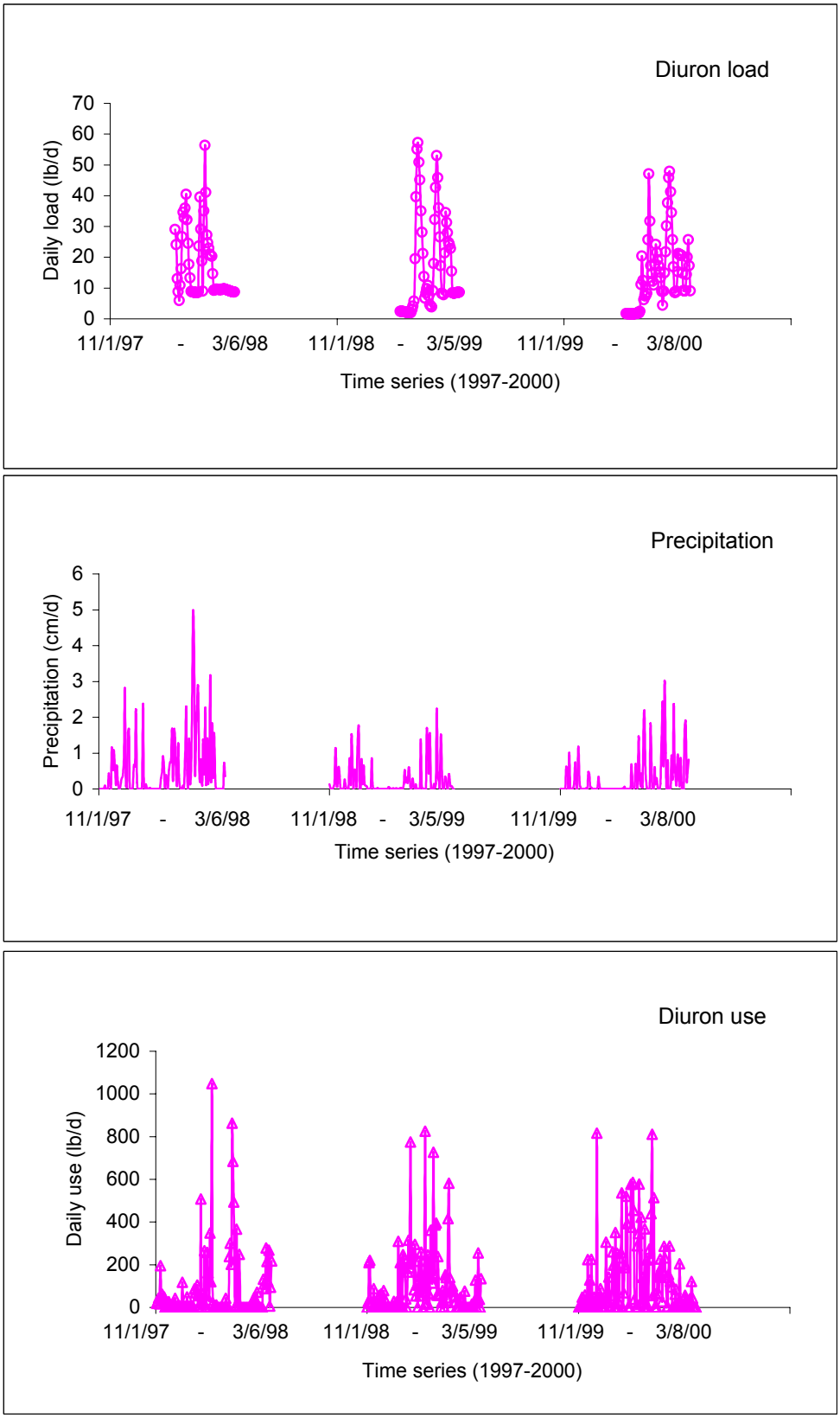
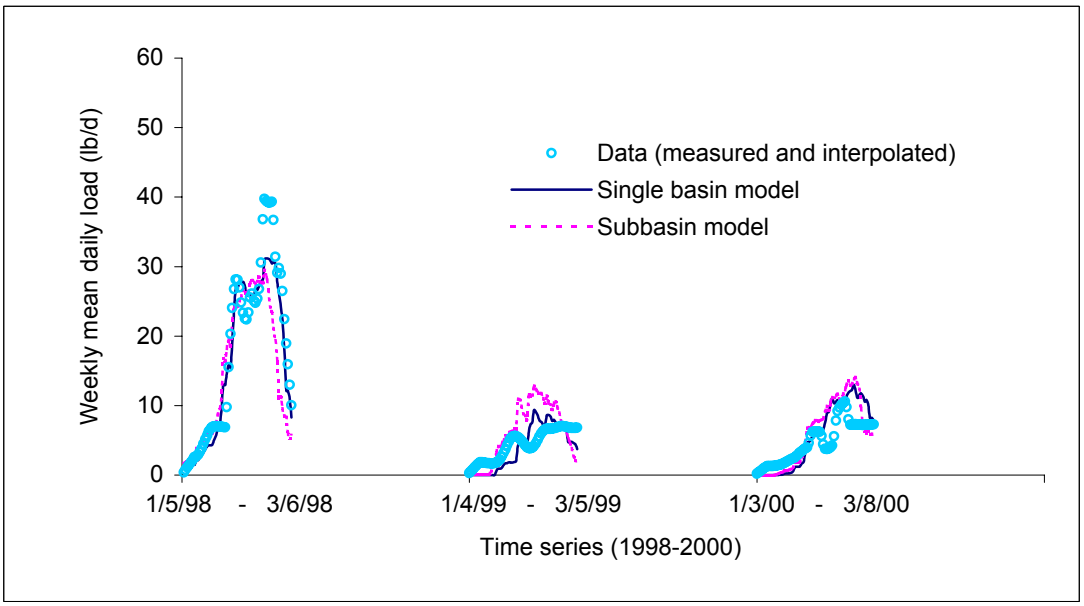


Figure 10. The time series of diuron load in the Sacramento River, precipitation, and diuron use in the Sacramento River basin during 1997 to 2000 winter storm seasons.



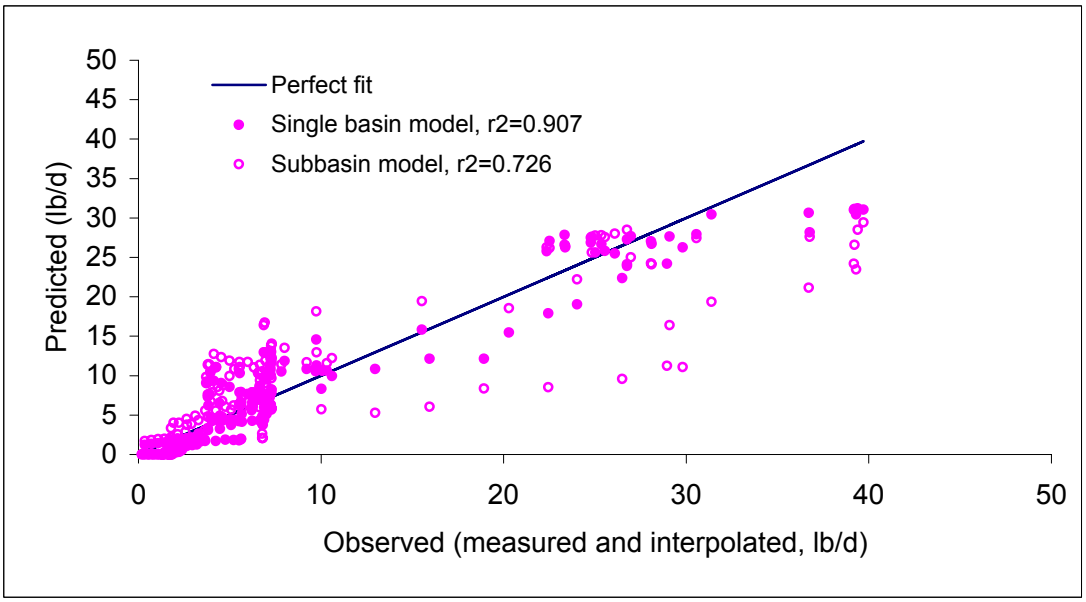


Figure 11. Comparison of observed and regression model fitted weekly mean daily loads of diazinon for the Sacramento River at the Alamar Marina Dock.

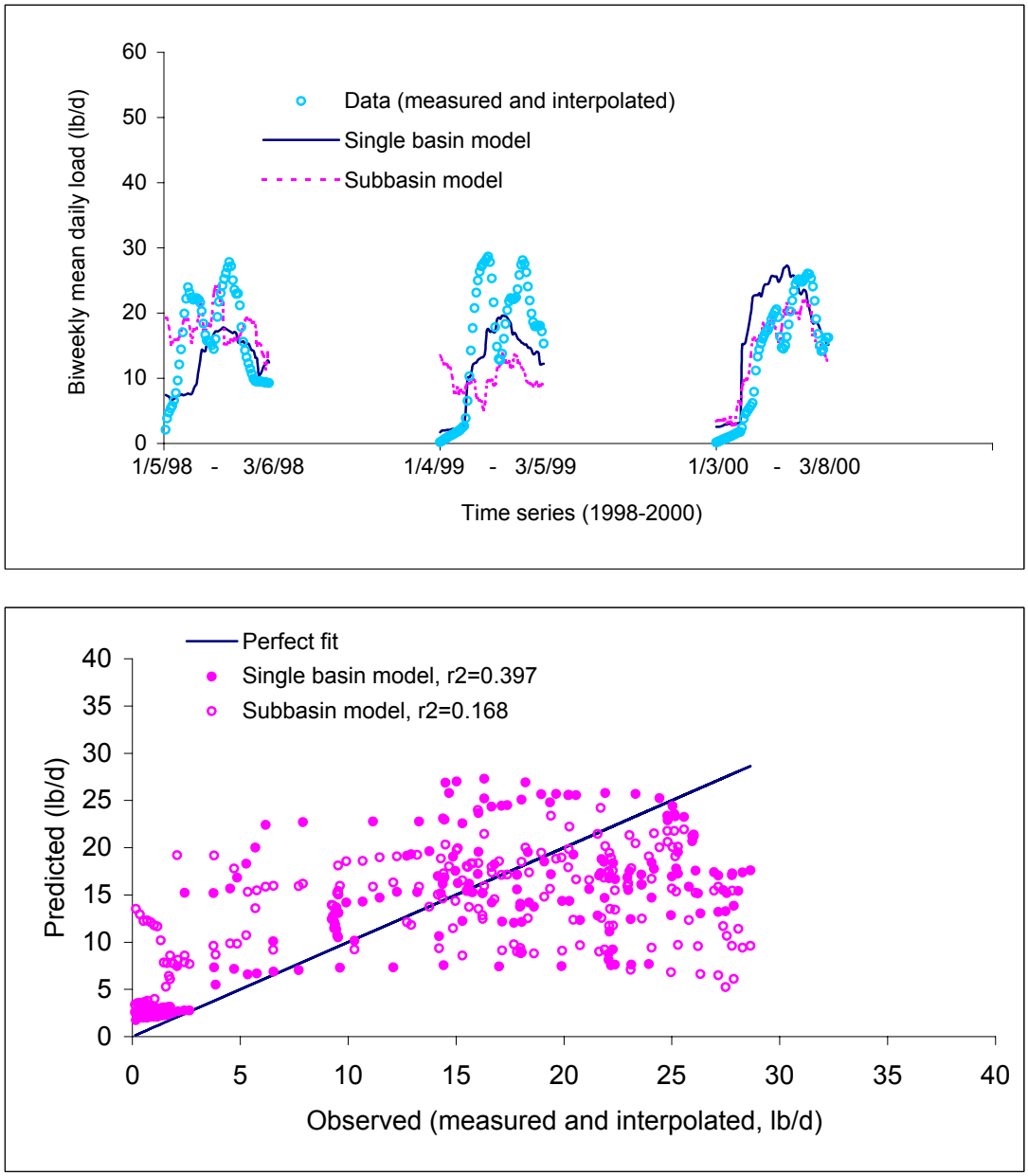


Figure 12. Comparison of observed and regression model fitted biweekly mean daily loads diuron for the Sacramento River at the Alamar Marina Dock.

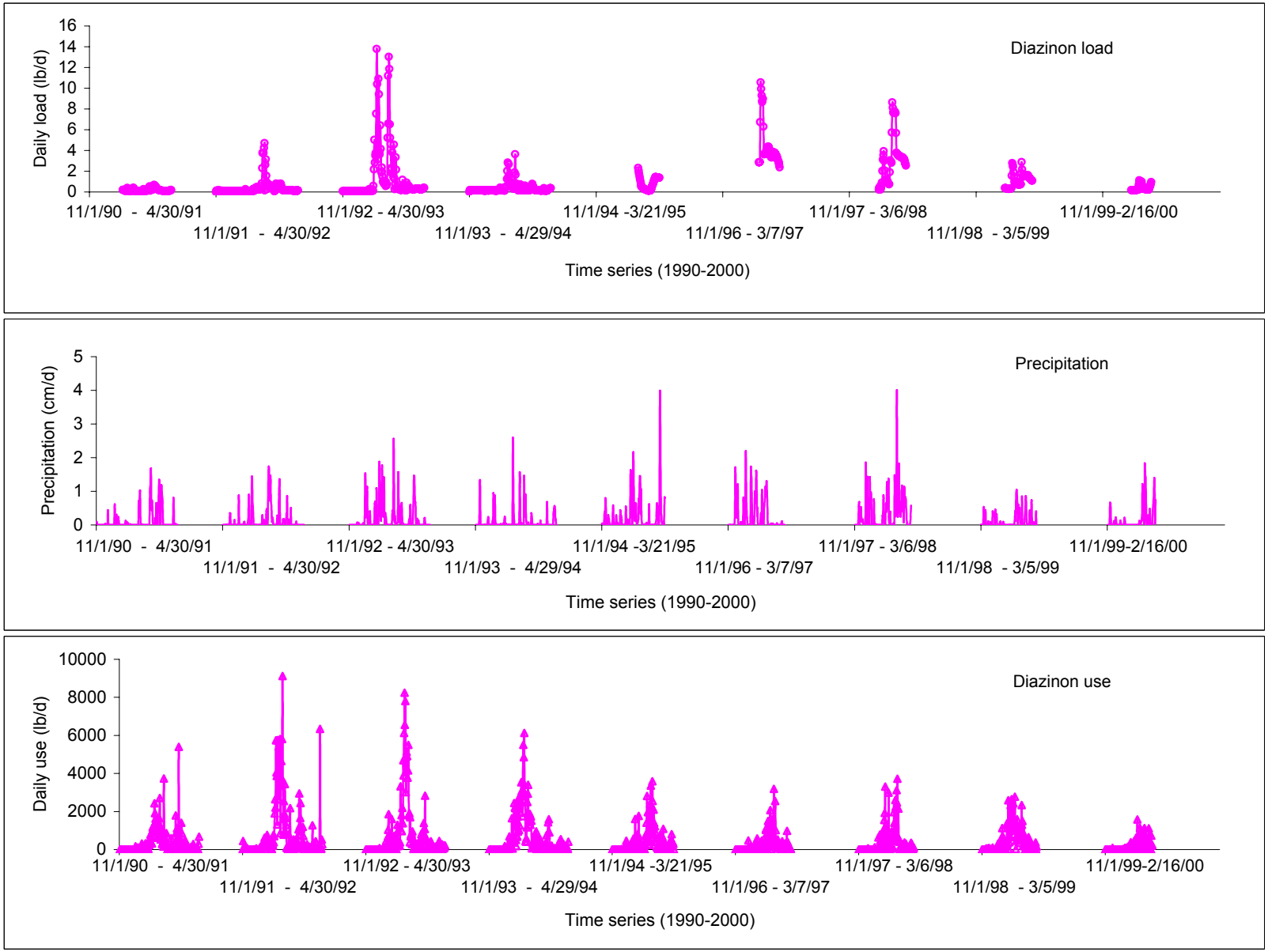


Figure13. The time series of diazinon load in the San Joaquin River, precipitation, and diazinon use in the San Joaquin River Basin during 1990 to 2000 winter storm seasons.

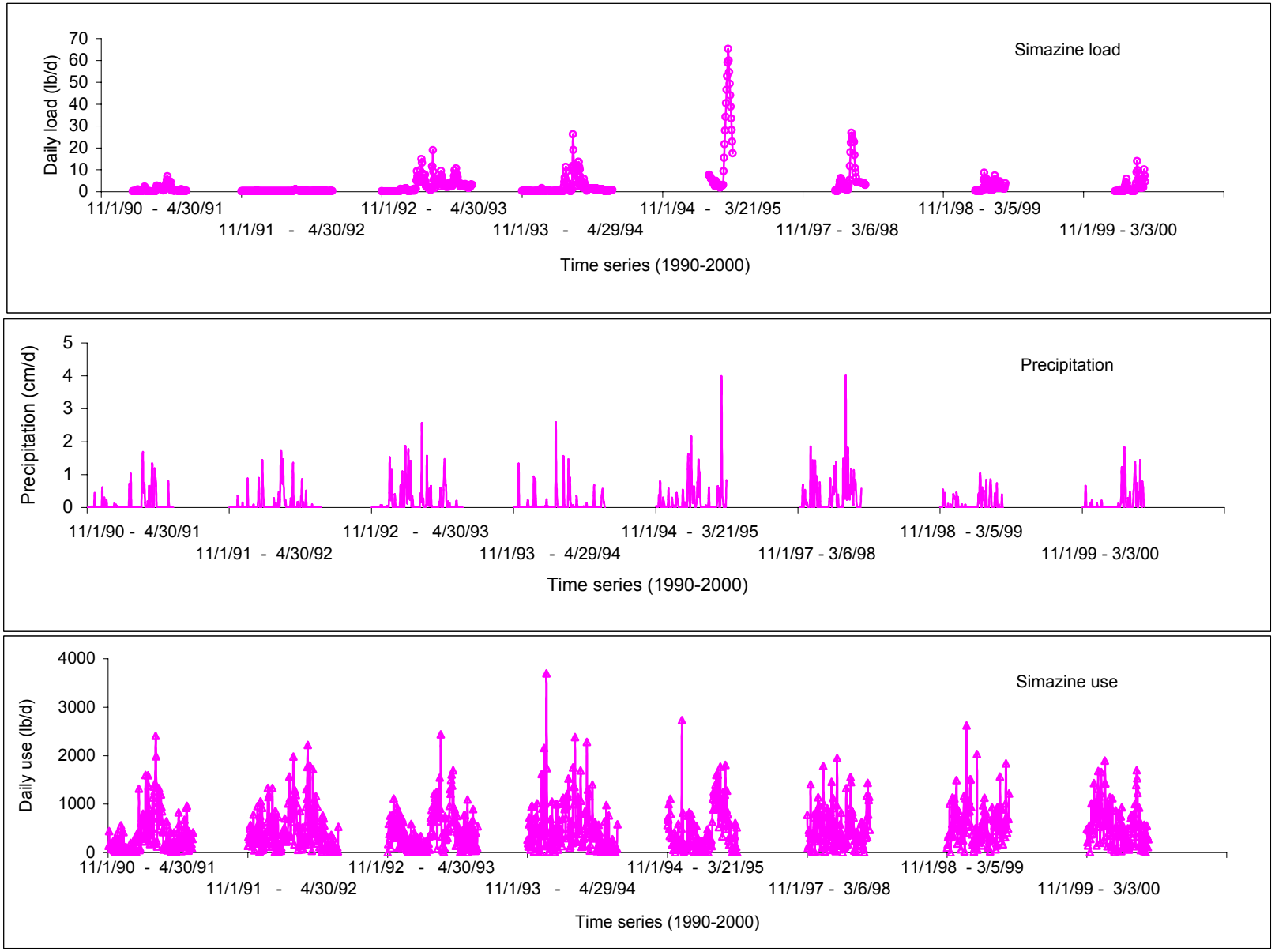


Figure 14. The time series of simazine load in the San Joaquin River, precipitation, and simazine use in the San Joaquin River Basin during 1990 to 2000 winter storm seasons.

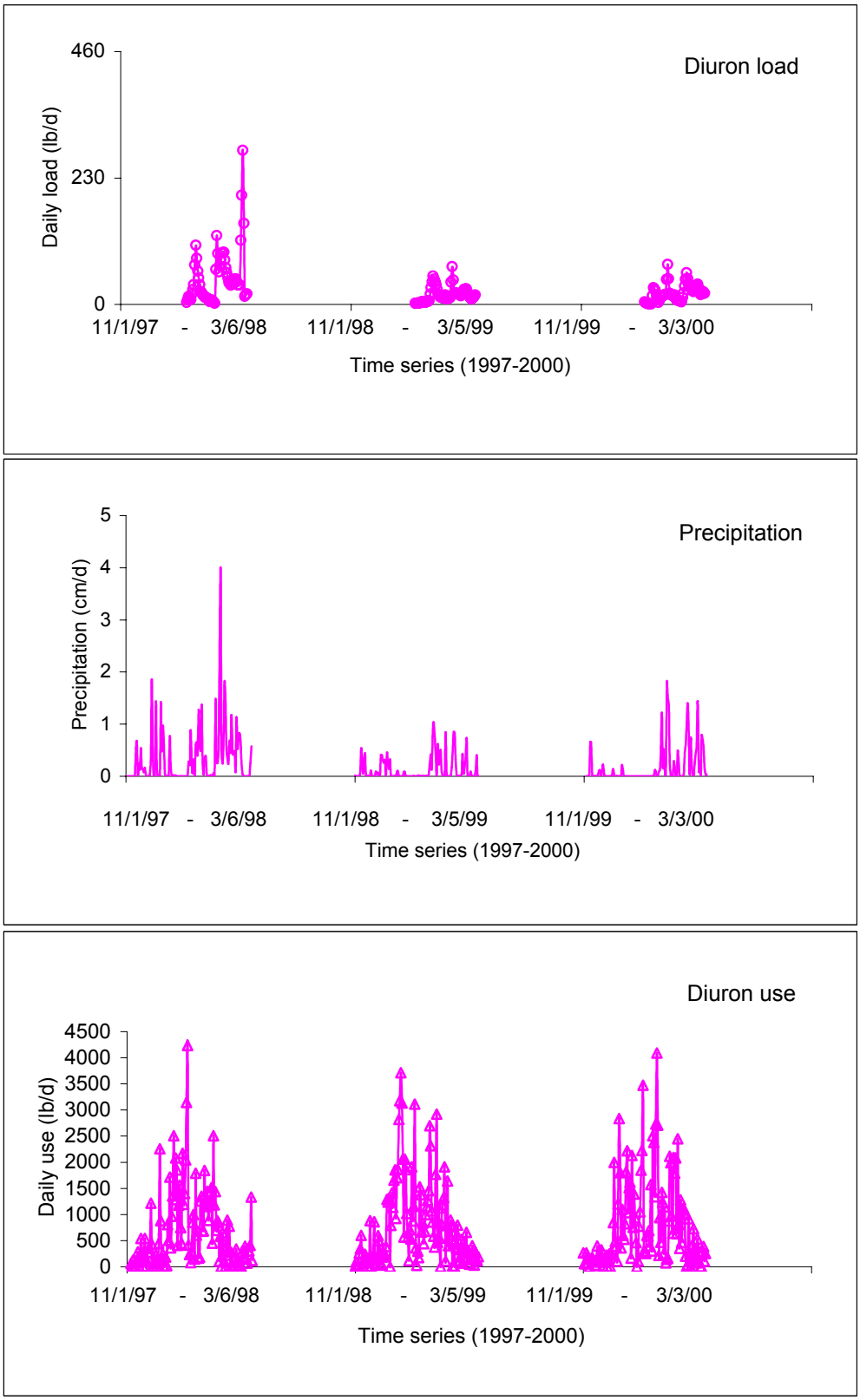


Figure 15. The time series of diuron load in the San Joaquin River, precipitation, and diuron use in the San Joaquin River Basin during 1990 to 2000 winter storm seasons.

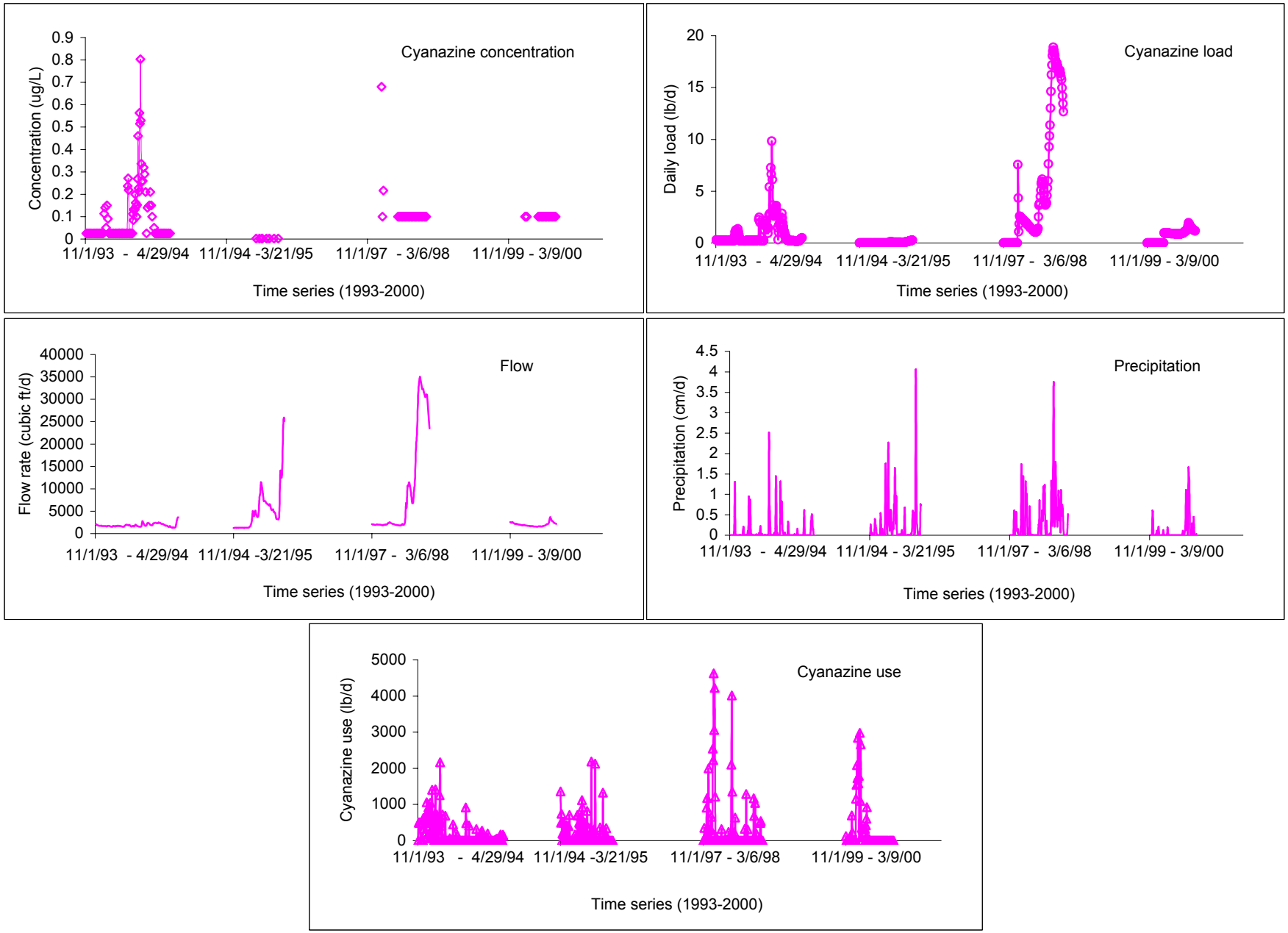
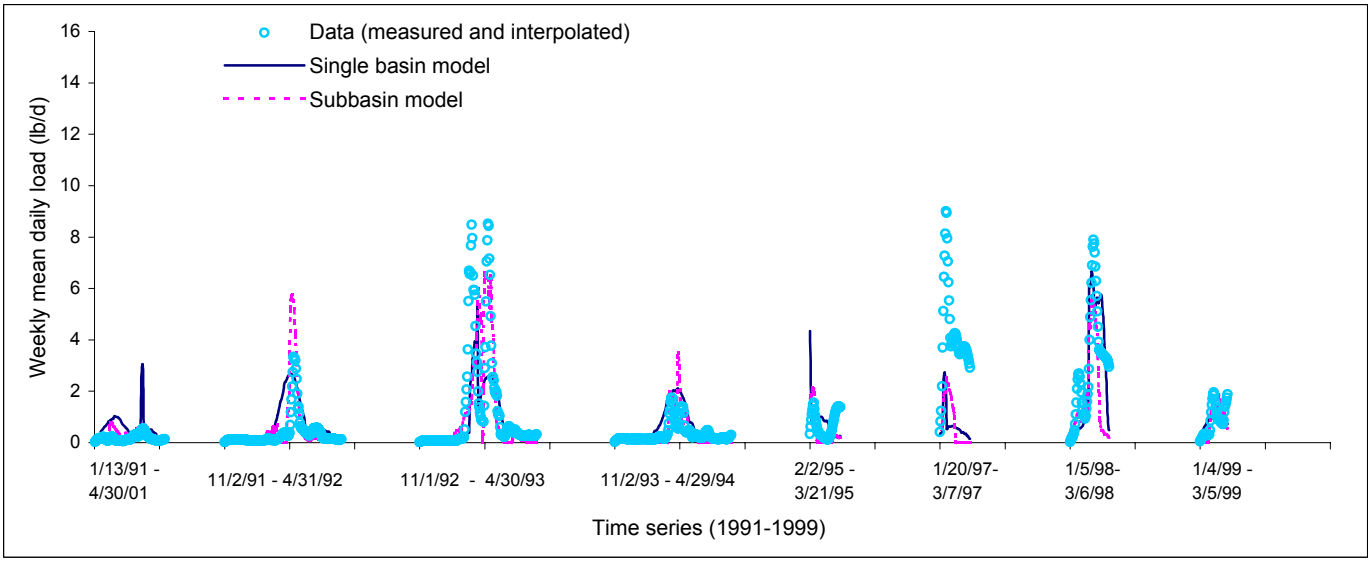


Figure 16. The time series of cyanazine load in the San Joaquin River, precipitation, and cyanazine use in the San Joaquin River Basin, along with cyanazine concentration, and San Joaquin River flow data during 1993 to 2000 winter storm seasons.



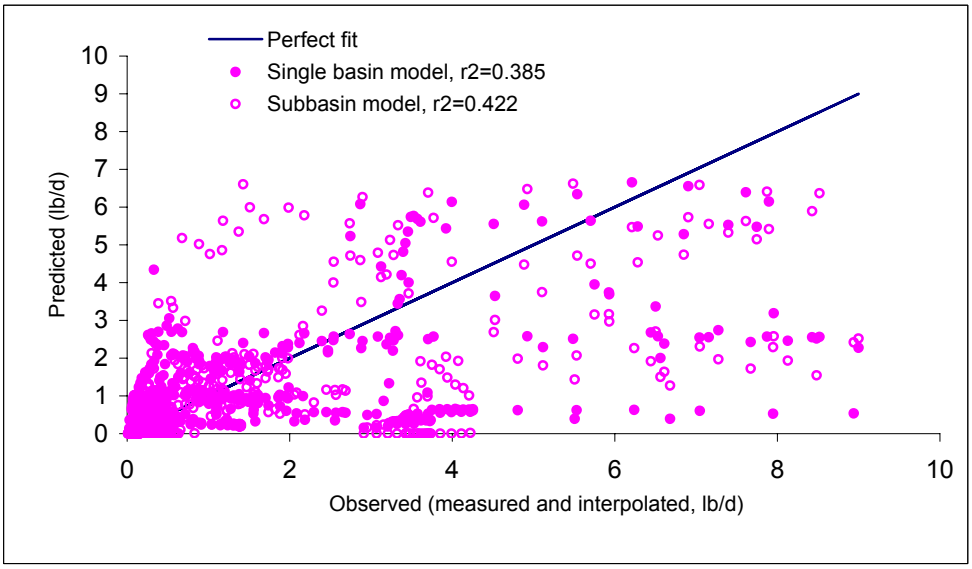
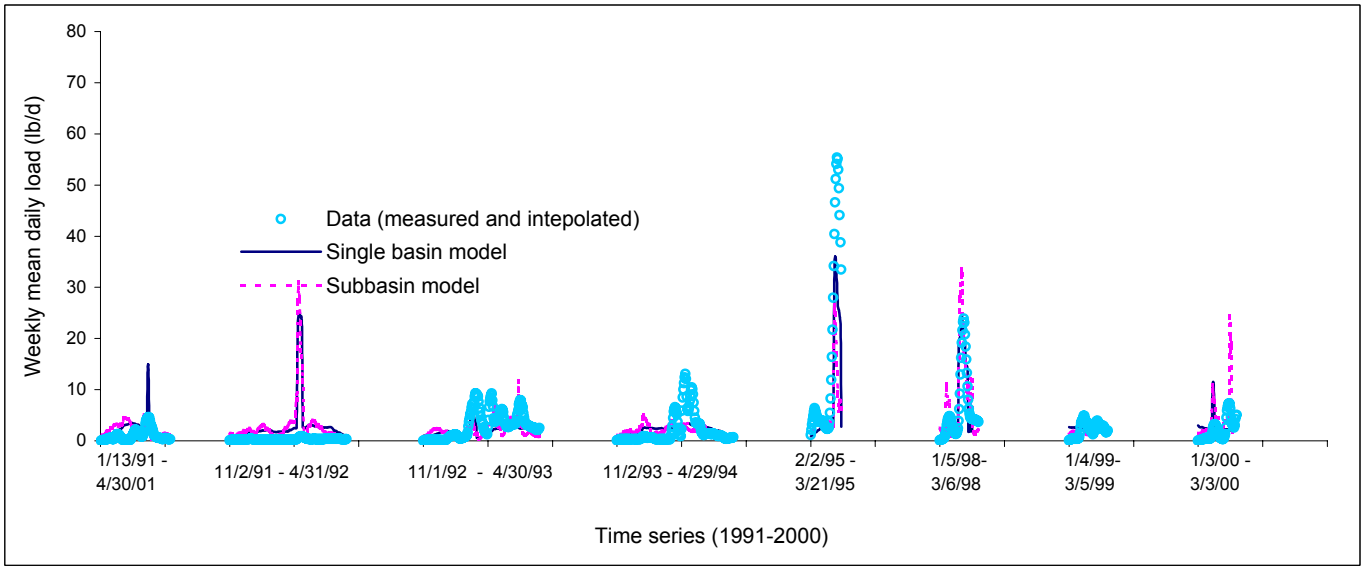


Figure 17. Comparison of observed and calculated weekly mean daily loads of diazinon for the San Joaquin River near Vernalis.



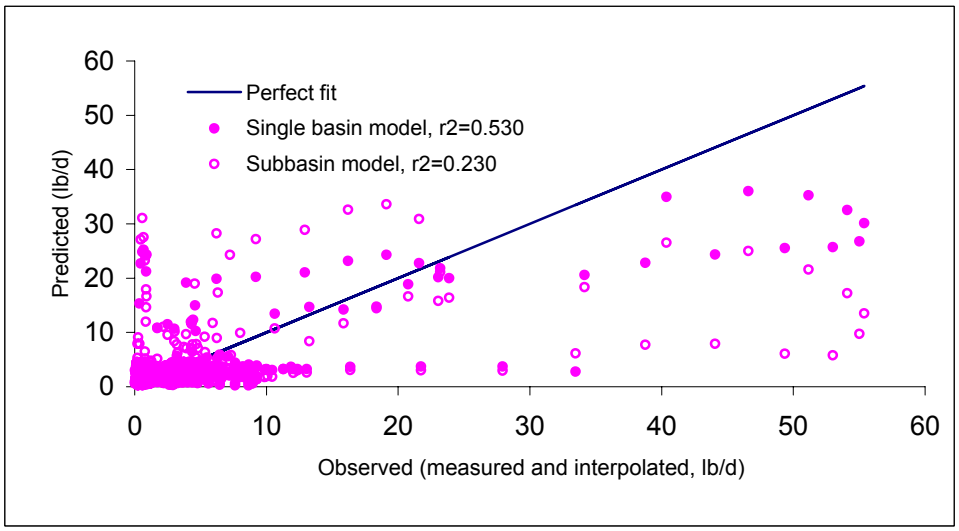
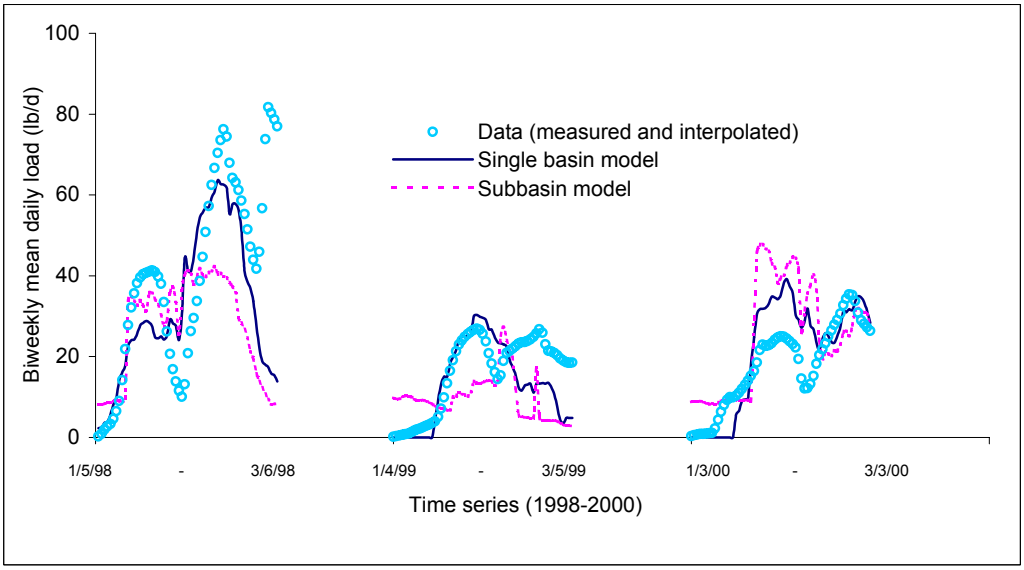


Figure 18. Comparison of observed and calculated weekly mean daily loads of simazine for the San Joaquin River near Vernalis.



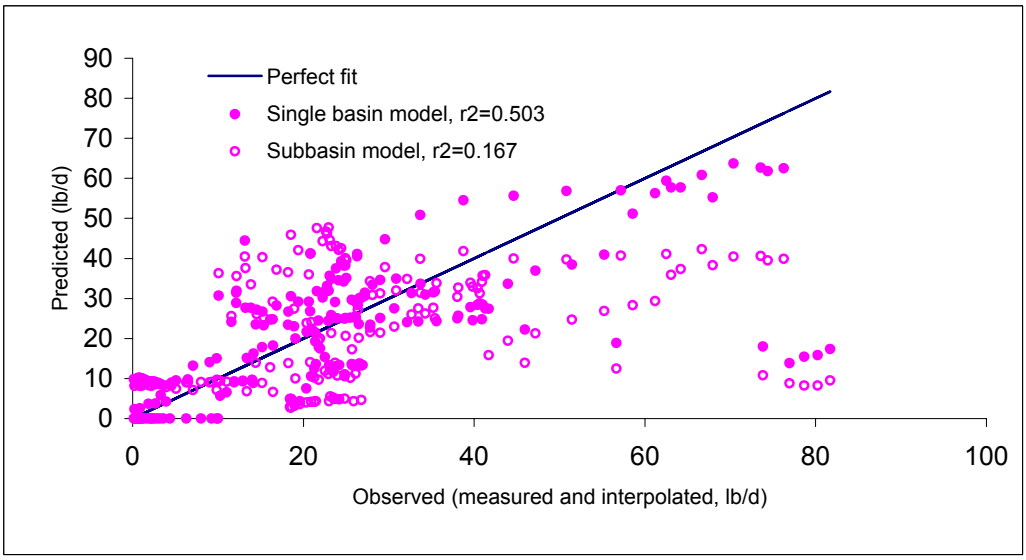
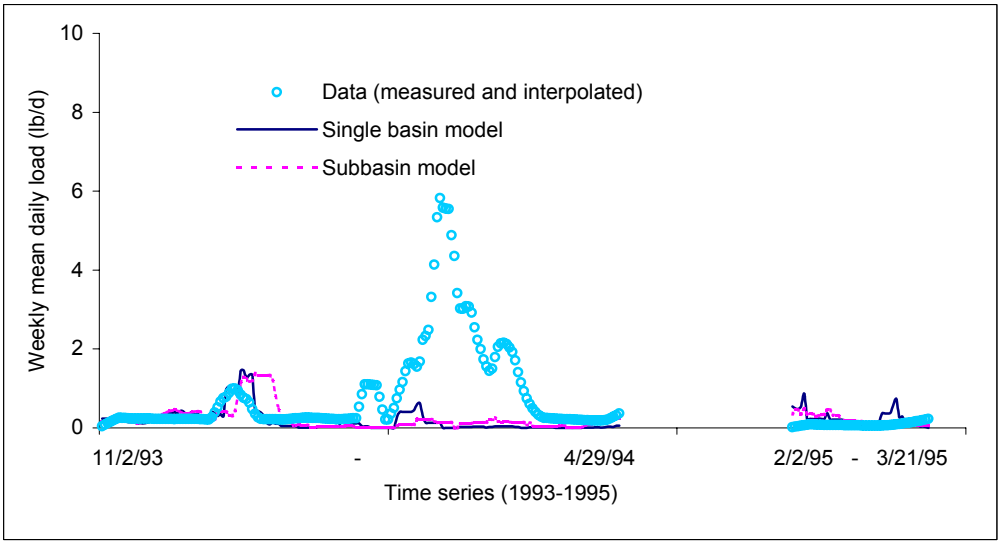


Figure 19. Comparison of observed and calculated biweekly mean daily loads of diuron for the San Joaquin River near Vernalis.



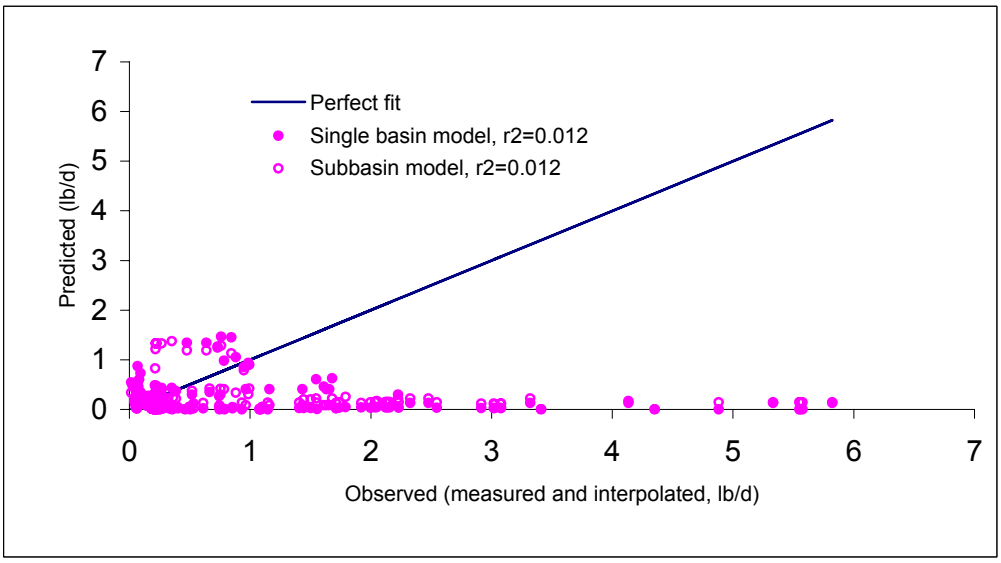


Figure 20. Comparison of observed and calculated weekly mean daily loads of cyanazine for the San Joaquin River near Vernalis.