

List of Figures

Figure 1. Map of Stockton deep water ship channel (dashed lines) and vicinity.

Figure 2. USGS sampling sites. A more complete description of the sampling sites is contained in Appendix B.

Figure 3. UC Davis sampling sites. A more complete description of the sampling sites is contained in Appendix B.

Figure 4. Nutrient study sampling sites. A more complete description of the sampling sites is contained in Appendix B.

Figure 5. Cumulative oxygen deficit predicted by the Systech model for the time period of July to October 1999 and 2000 as a function of increasing river flow.

Figure 6. Data plot of the minimum daily dissolved oxygen concentration observed at the Rough & Ready Island dissolved oxygen meter against net daily flow at the Stockton UVM station for the months of June through December, between November 1995 through September 2000. Correlation line (solid) and 90% lower prediction band (dashed) for individual DO readings as a function of flow, performed only for flows less than 3000 cfs.

Figure 7. Cumulative oxygen deficit predicted by the Systech model for the time period of July to October 1999 and 2000 as a function of increasing river flow.

Figure 8. Oxygen consumption as a function of time in water collected from the San Joaquin River at Mossdale.

Figure 9. Correlation between oxygen consumption rates after 10 and 30 days in water samples collected for the San Joaquin River basin during the summer of 2000.

Figure 10. Chlorophyll a, pheophytin, apparent and actual BOD₁₀ concentrations at 3 locations on the San Joaquin River in the year 2000. Data from UC Davis (Appendix A).

Figure 11. Chlorophyll a, pheophytin, apparent and actual BOD₁₀ concentrations at 3 locations on the San Joaquin River in the year 2001. Data from UC Davis (Appendix A).

Figure 12. Comparison of apparent BOD₁₀ concentration at Mossdale and the daily minimum dissolved oxygen reading at Rough and Ready Island for years 2000 and 2001. No dissolved oxygen measurements are available after September 2001.

Figure 13. Comparison of chlorophyll concentration at Mossdale with the sum of the flows from the three eastside tributaries (Merced, Tuolumne, and Stanislaus Rivers) and with San Joaquin River flow at Vernalis for the years 2000-2001.

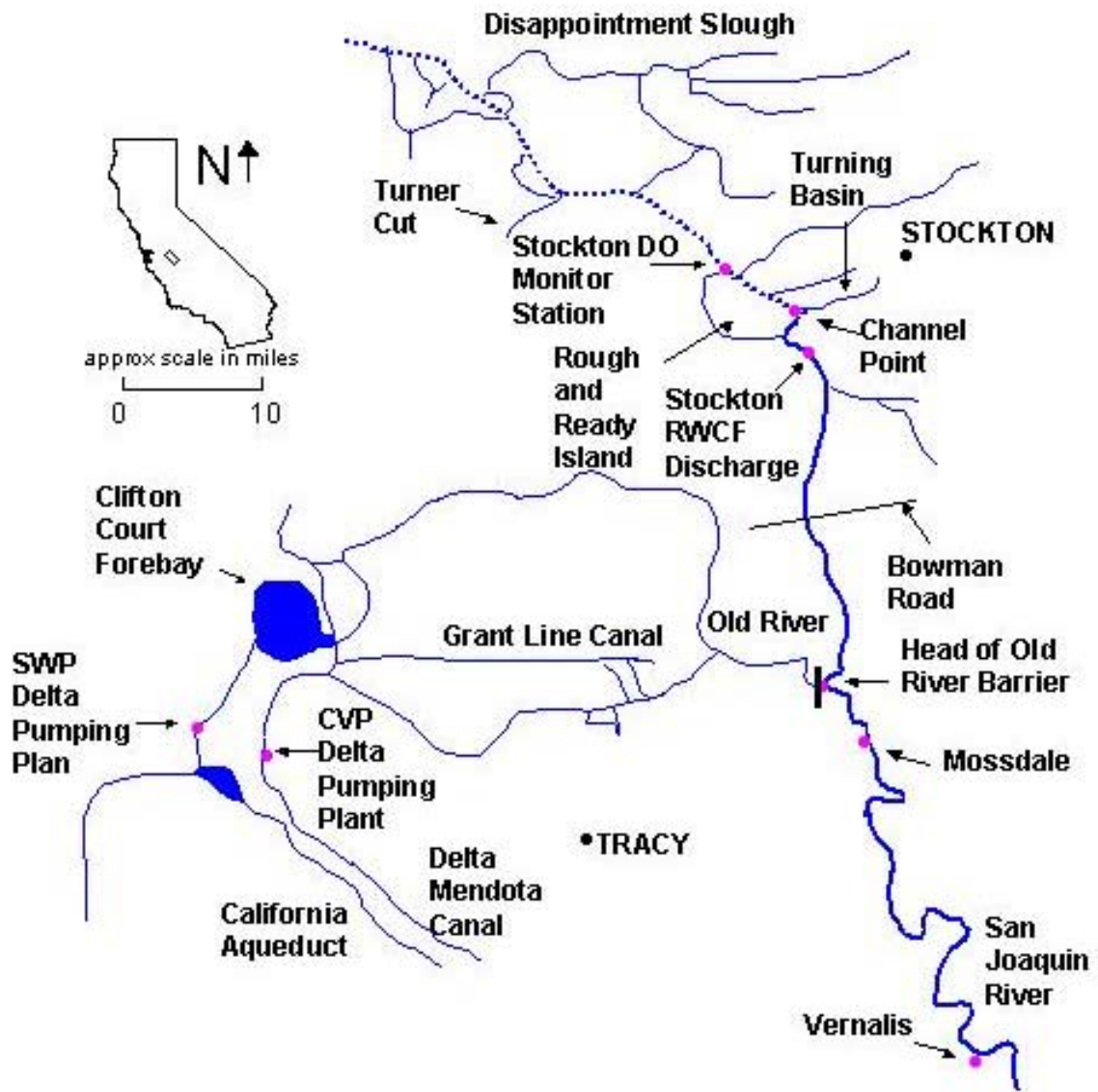


Figure 1. Map of Stockton deep water ship channel (dashed lines) and vicinity.

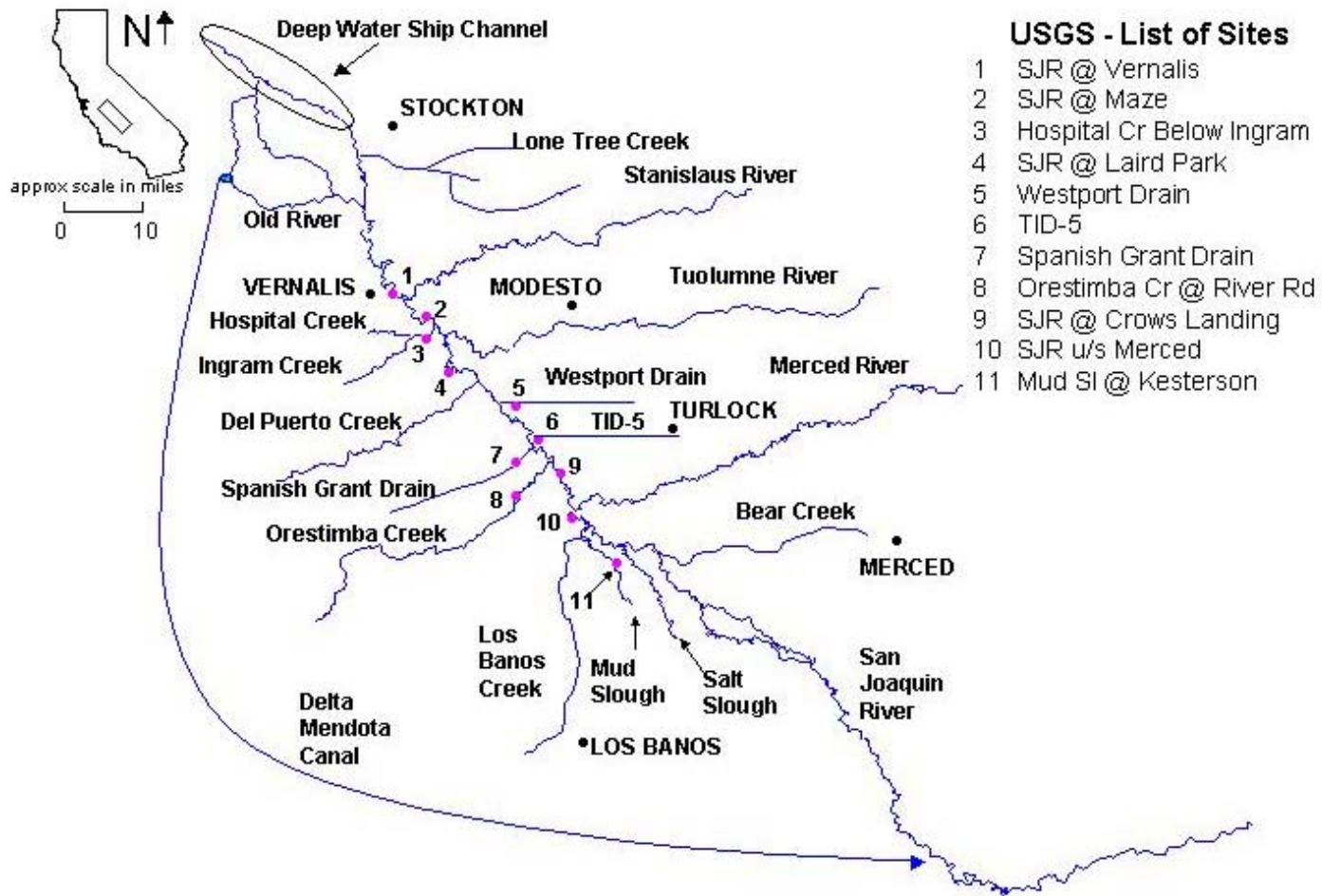


Figure 2. USGS sampling sites.

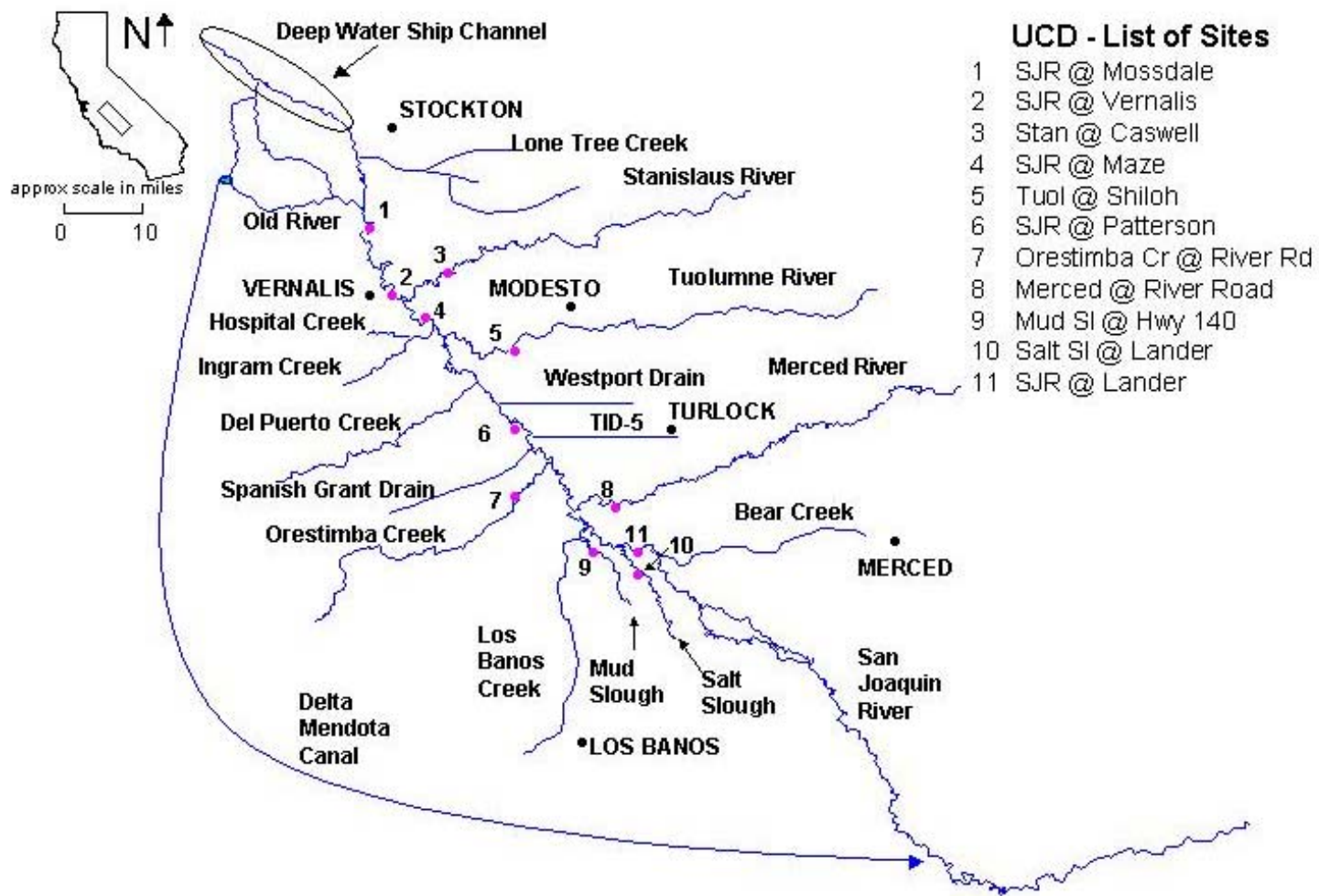


Figure 3. UC Davis sampling sites.

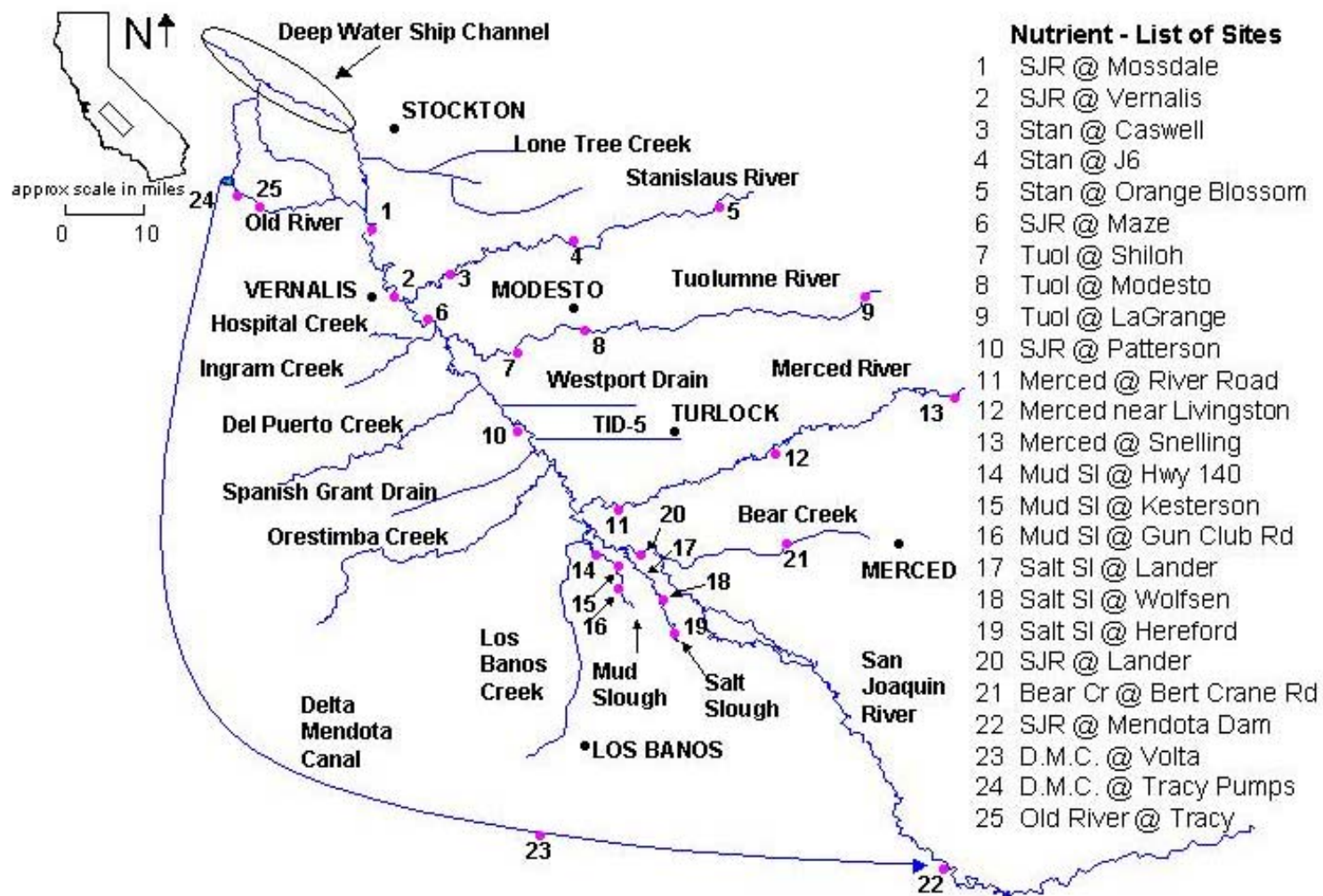


Figure 4. Nutrient study sampling sites.

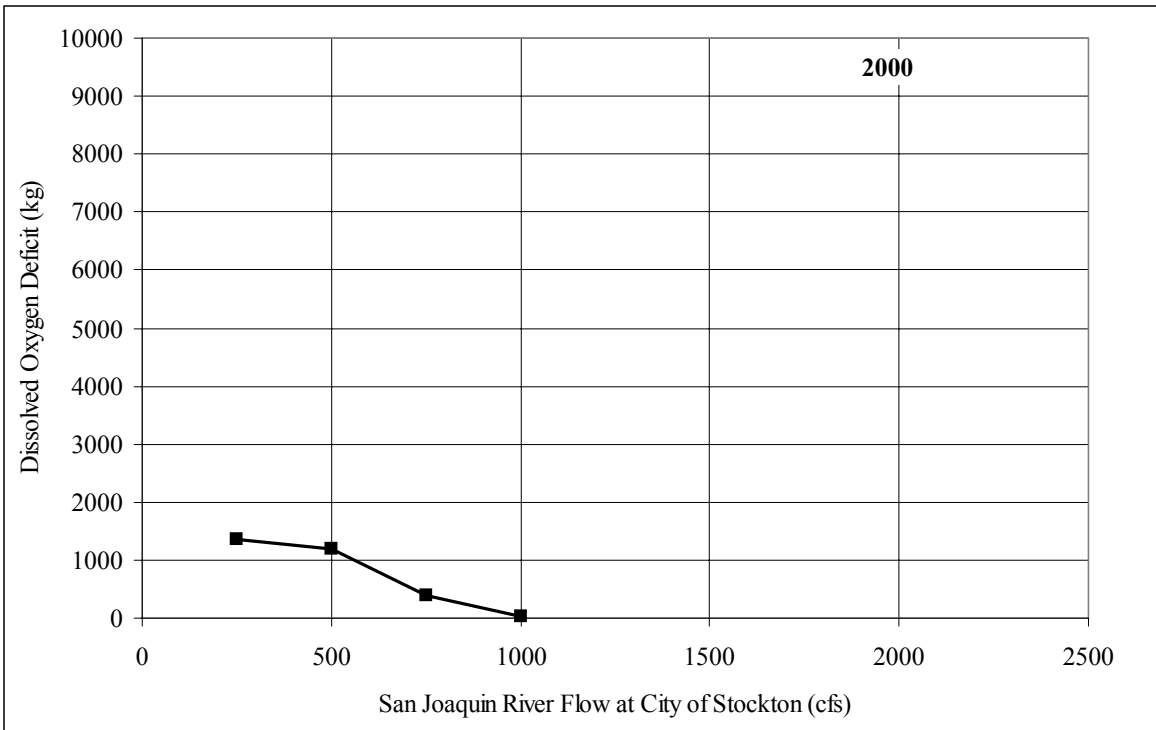
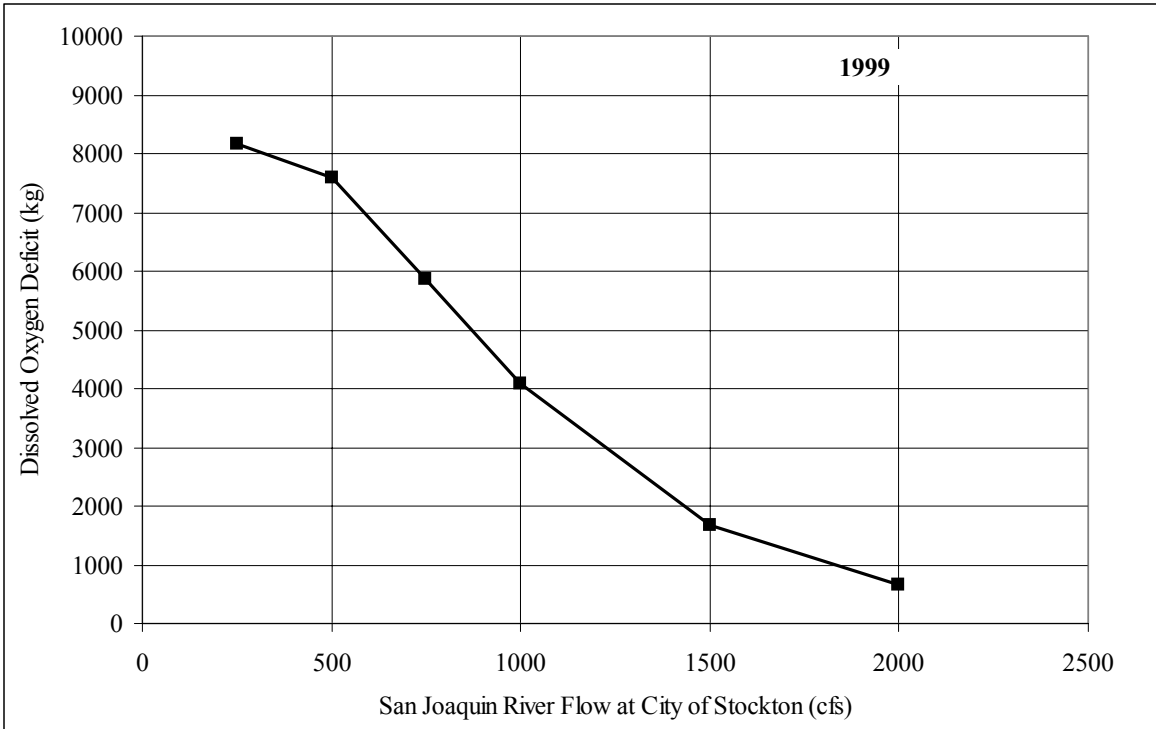


Figure 5. Cumulative oxygen deficit predicted by the Systech model for the time period of July to October 1999 and 2000 as a function of increasing river flow.

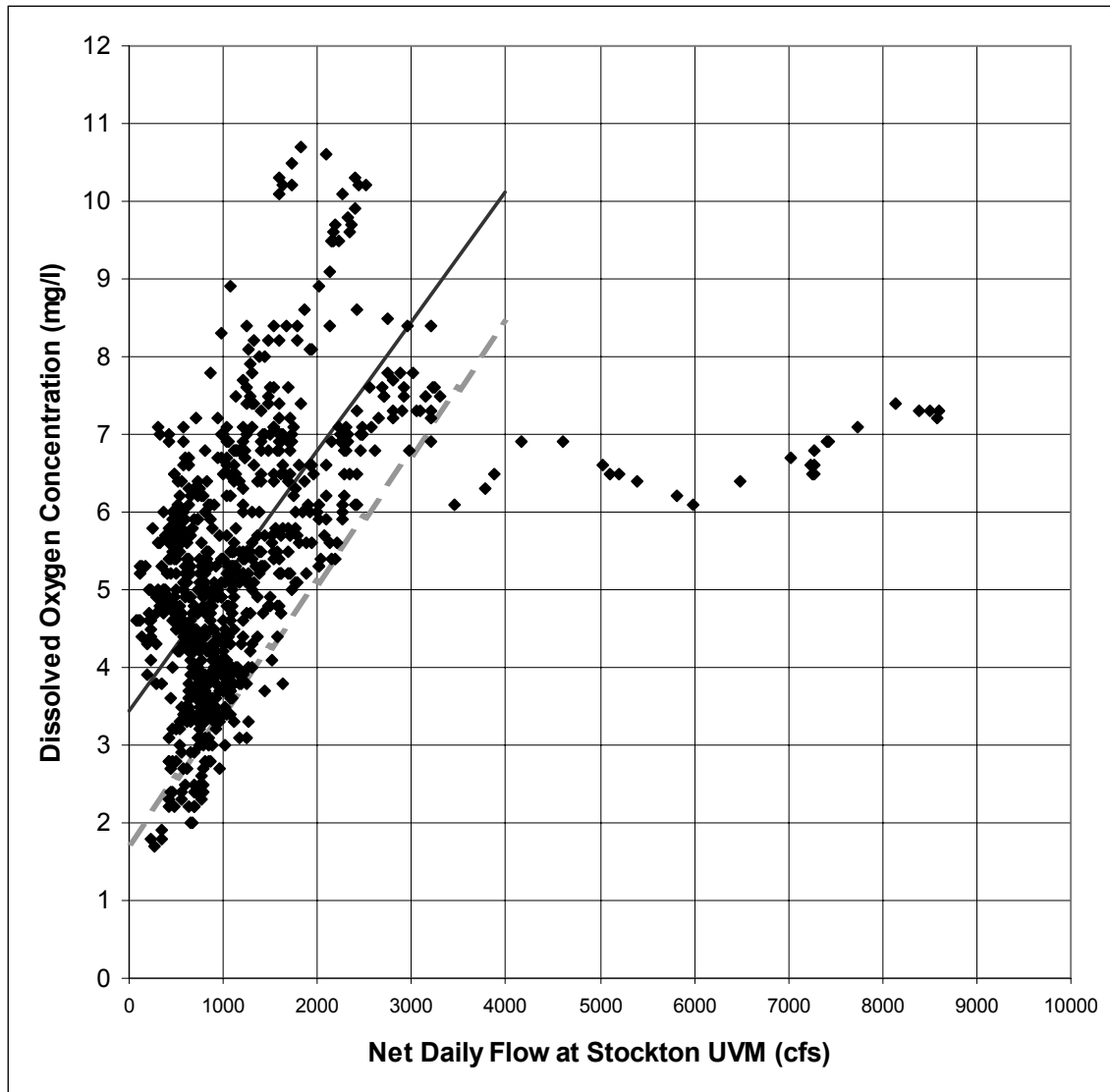


Figure 6. Plot of minimum daily dissolved oxygen concentration at the Rough & Ready Island meter against net daily flow at the Stockton UVM station for June through December of 1994 to 2001. Correlation (solid) and 90% lower prediction band (dashed) for flows less than 3000 cfs.

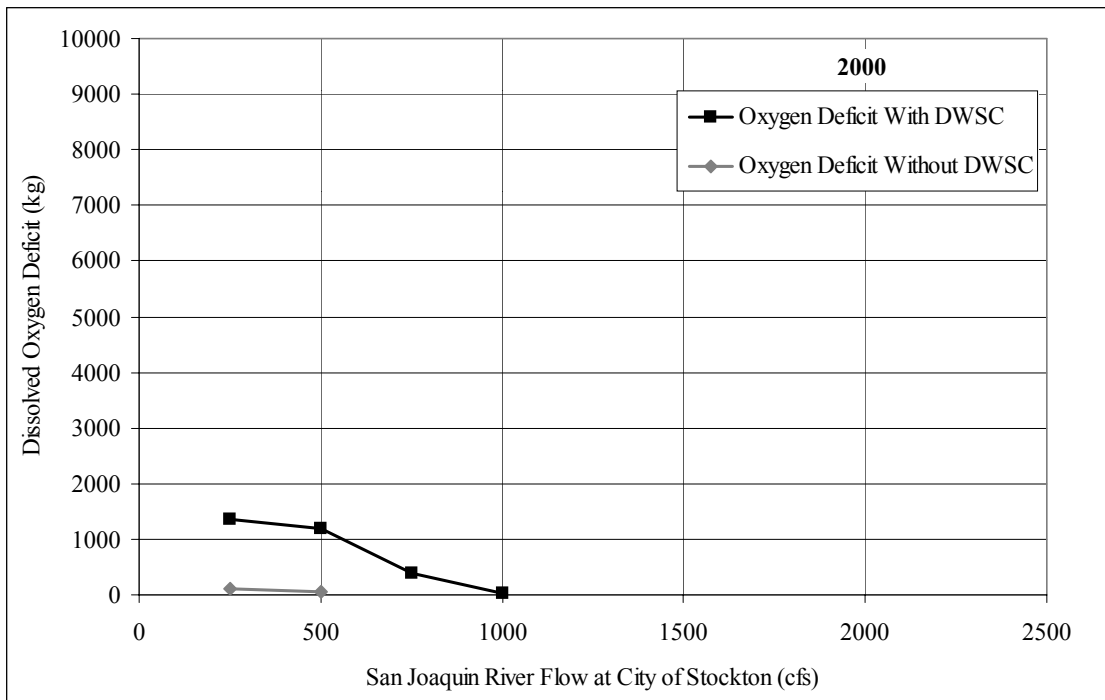
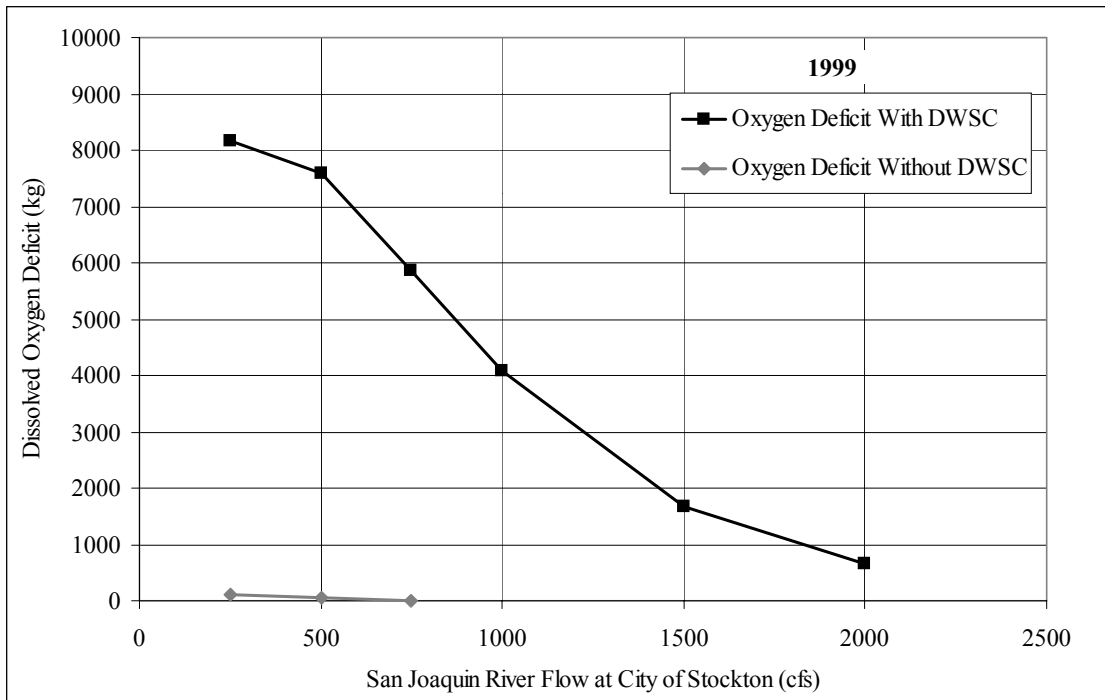


Figure 7. Cumulative oxygen deficit predicted by the Systech model for the time period of July to October 1999 and 2000 as a function of increasing river flow, with and without the Stockton Deep Water Ship Channel (DWSC).

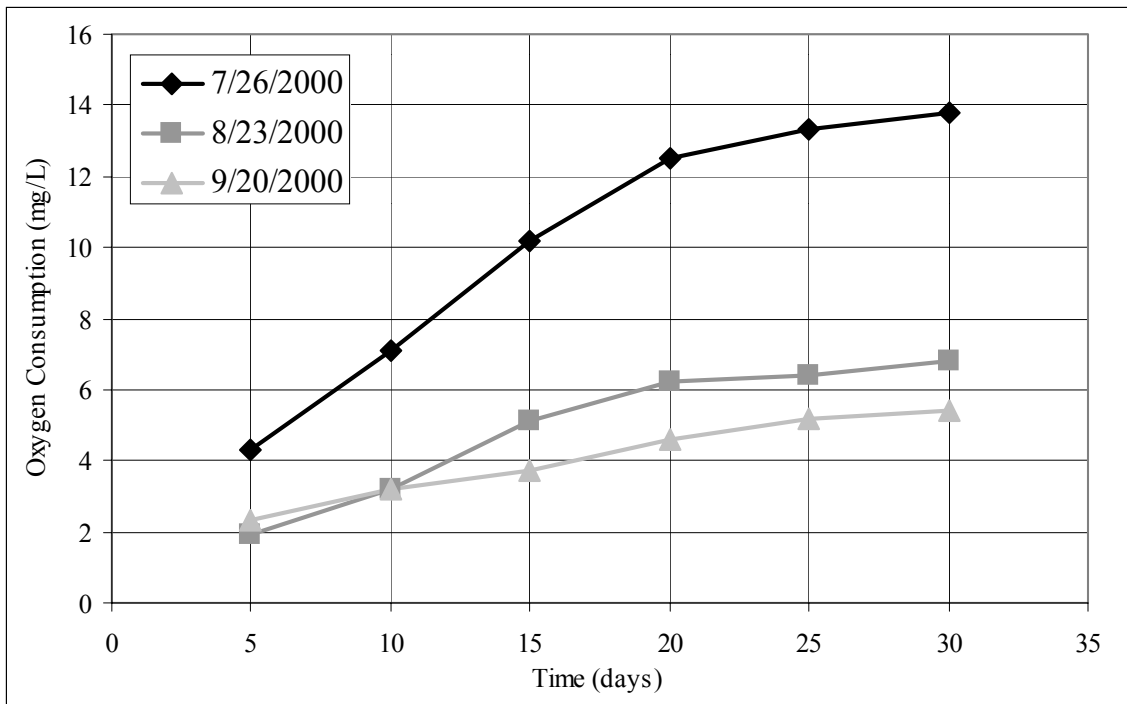


Figure 8. Oxygen consumption as a function of time in water collected from the San Joaquin River at Mossdale.

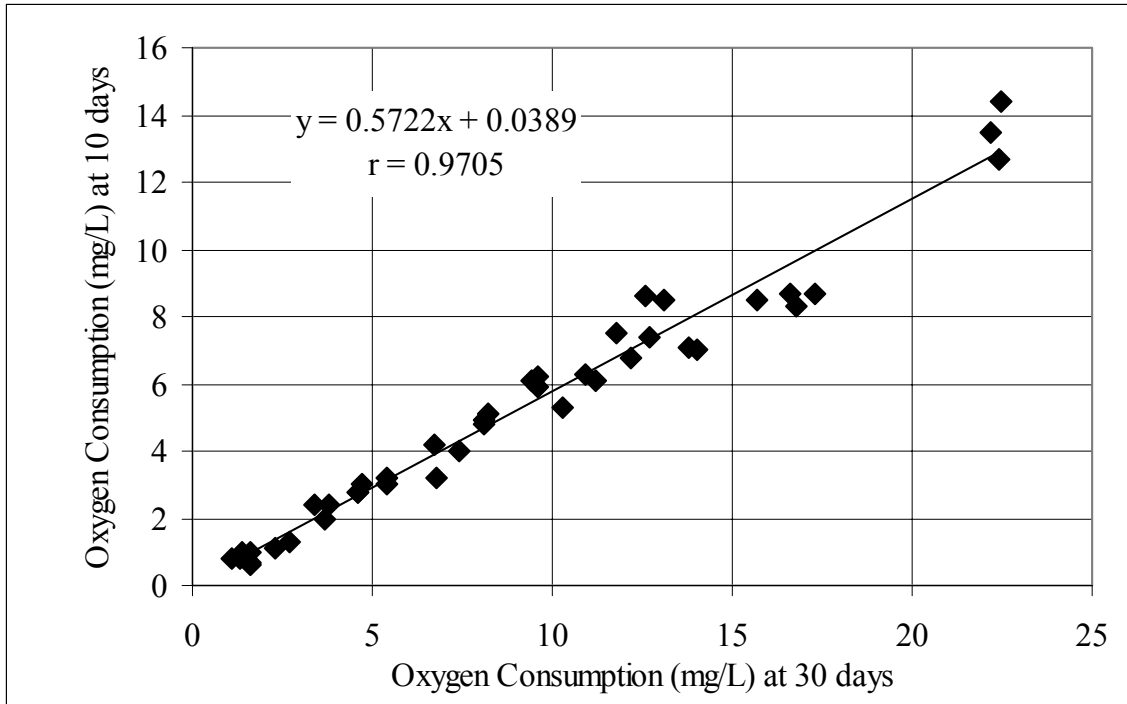


Figure 9. Correlation between oxygen consumption rates after 10 and 30 days in water samples collected for the San Joaquin River basin during the summer of 2000.

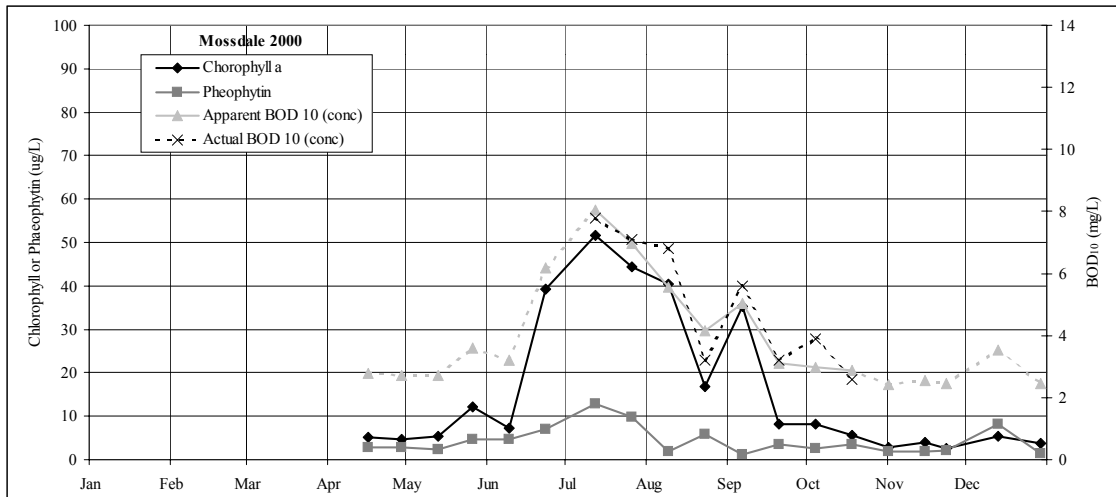
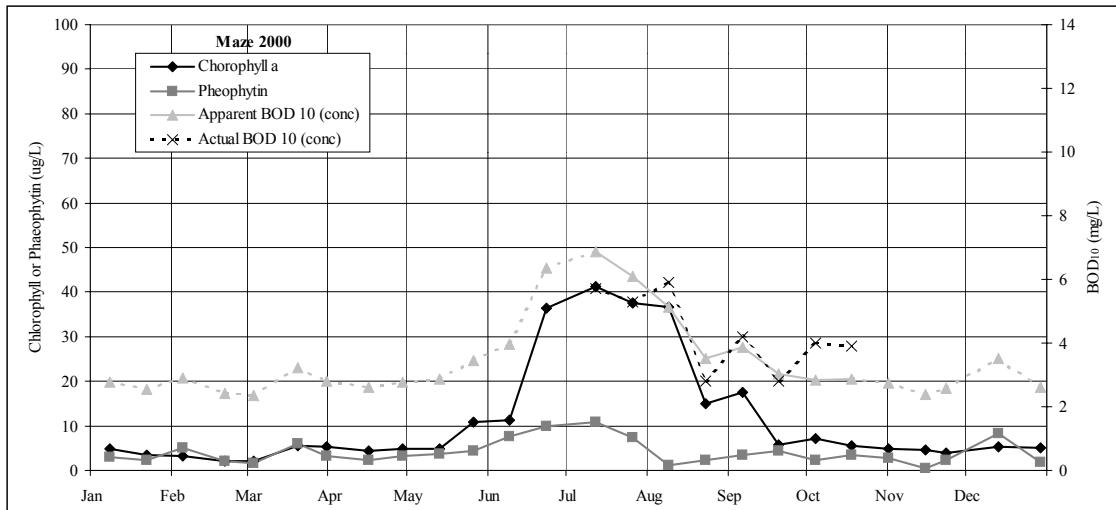
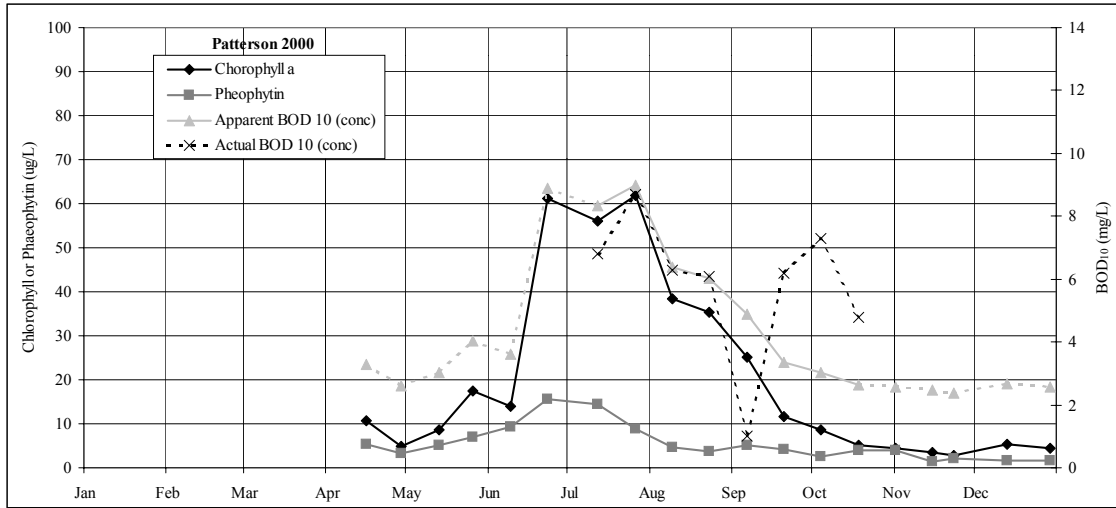


Figure 10. Chlorophyll a, pheophytin, apparent and actual BOD₁₀ concentrations at 3 locations on the San Joaquin River in the year 2000. Data from UC Davis (Appendix A).

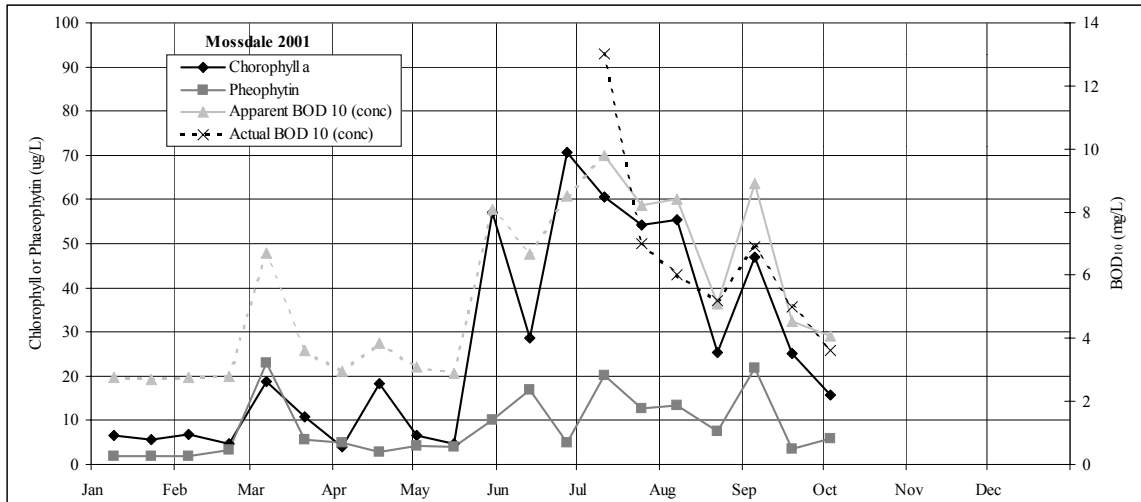
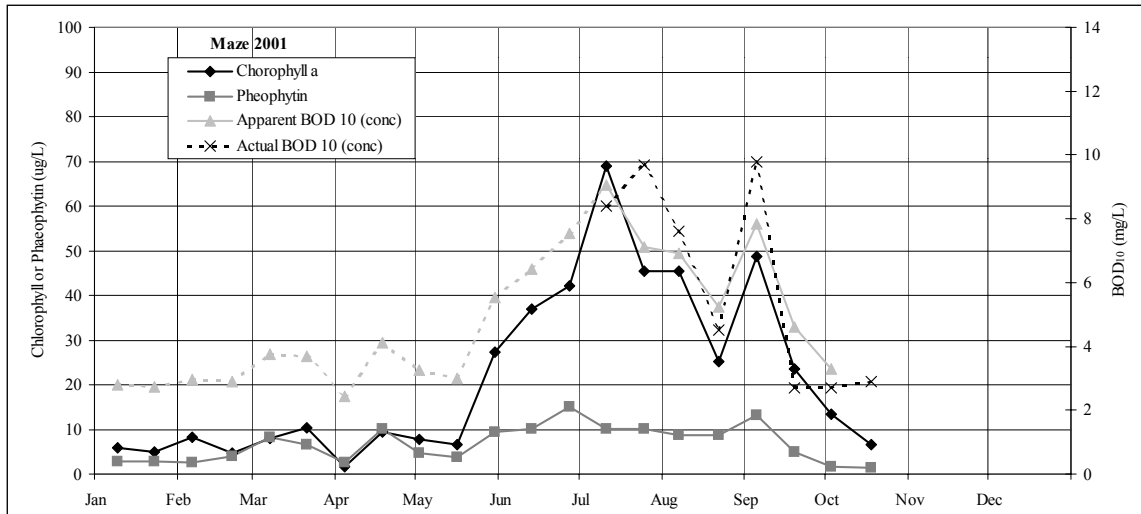
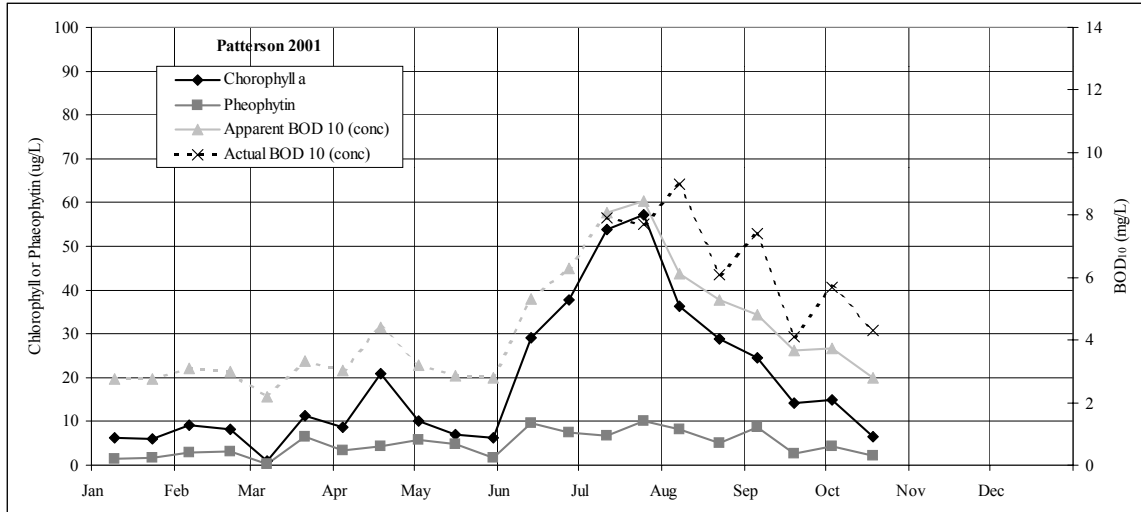


Figure 11. Chlorophyll a, pheophytin, apparent and actual BOD₁₀ concentrations at 3 locations on the San Joaquin River in the year 2001. Data from UC Davis (Appendix A).

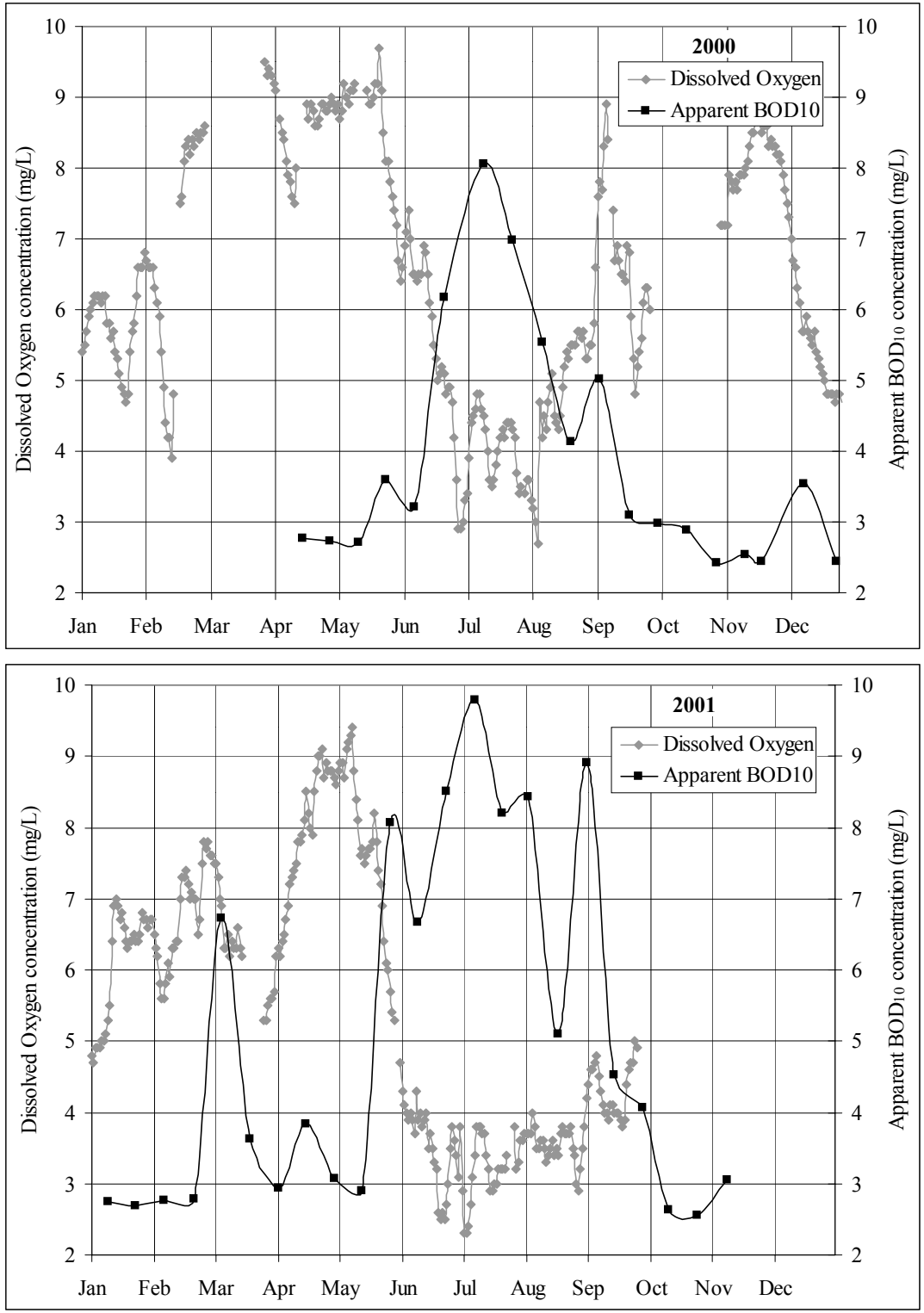


Figure 12. Comparison of apparent BOD₁₀ concentration at Mossdale and the daily minimum dissolved oxygen reading at Rough and Ready Island for years 2000 and 2001. No dissolved oxygen measurements are available after September 2001.

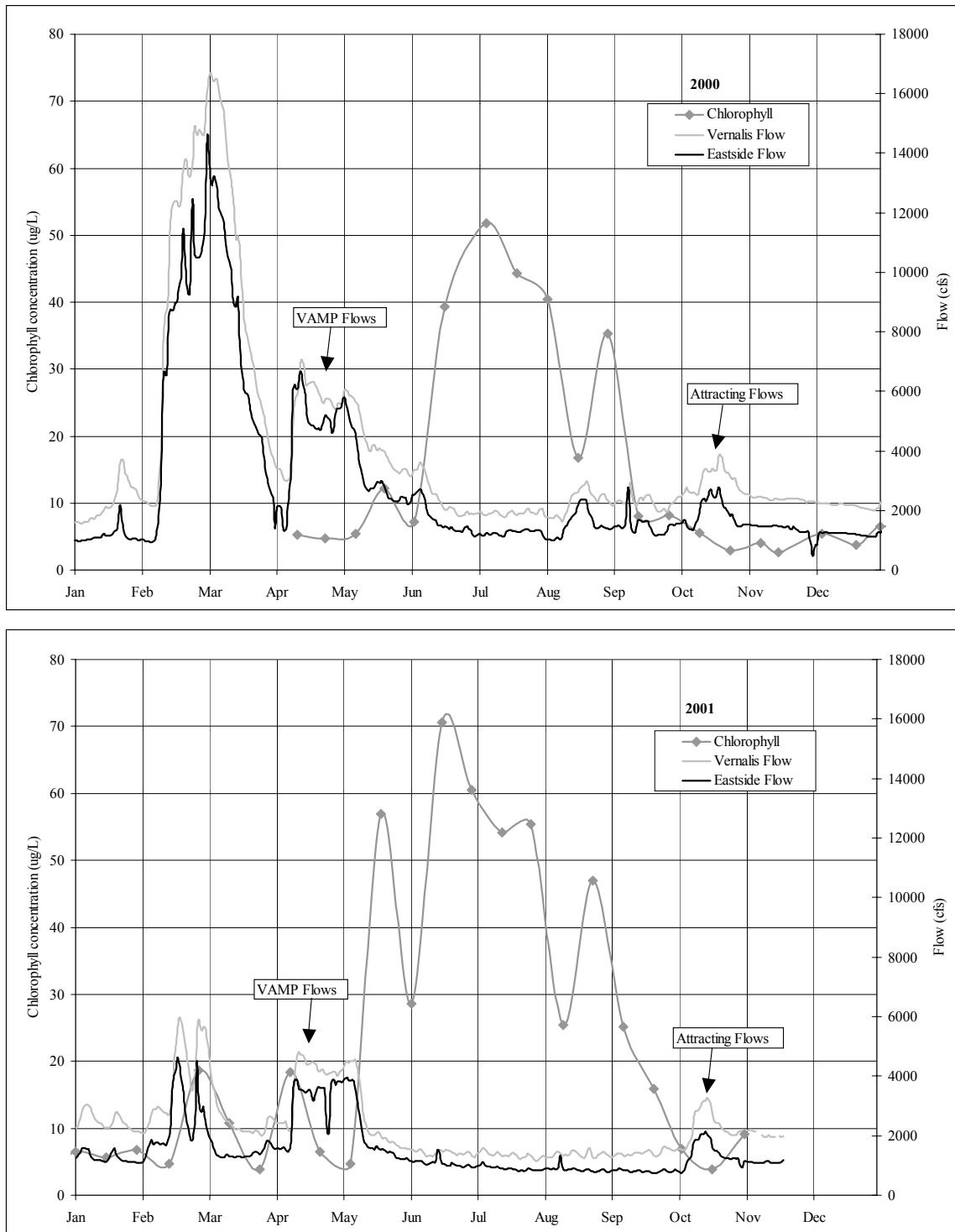


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