

Appendix C. Physical, chemical, and pathogenic concentration graphics.

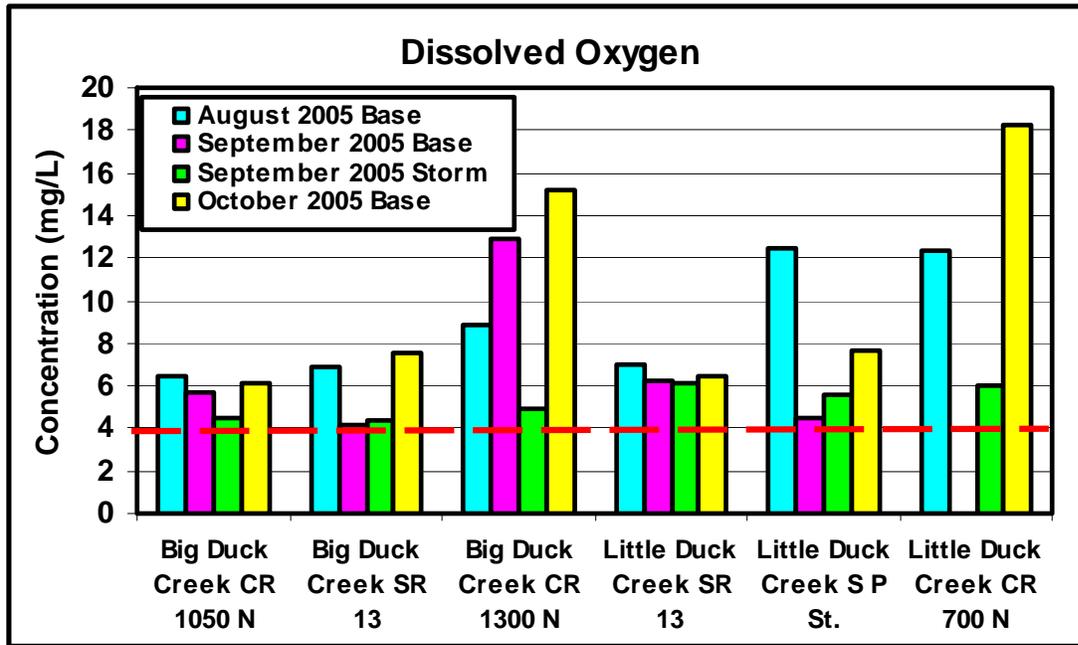


Figure 1. Dissolved oxygen concentrations for the Little Duck Creek Watershed stream sites for 2005. The minimum IAC state standard for DO is 4 mg/L which represents the dashed line.

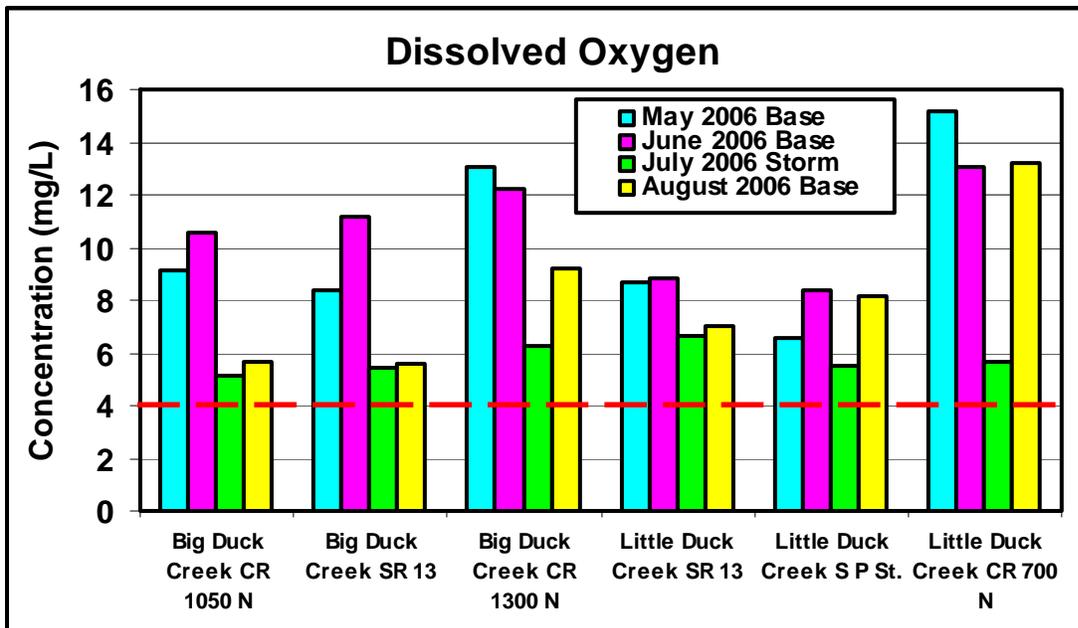


Figure 2. Dissolved oxygen concentrations for the Little Duck Creek Watershed stream sites for 2006. The minimum IAC state standard for DO is 4 mg/L which represents the dashed line.

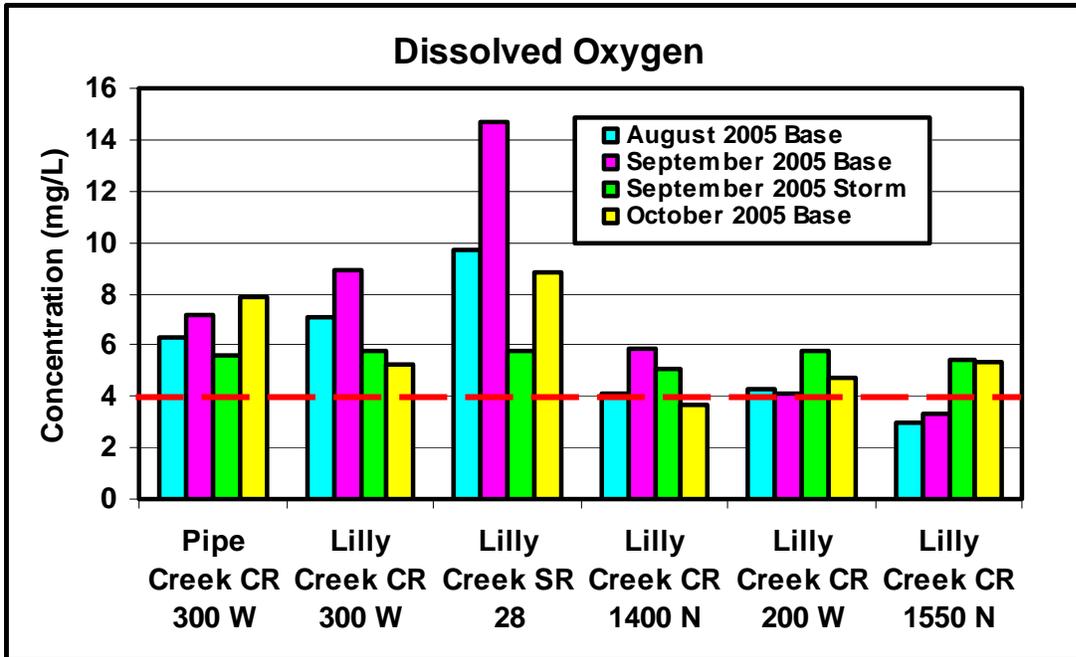


Figure 3. Dissolved oxygen concentrations for the Lilly Creek Watershed stream sites for 2005. The minimum IAC state standard for DO is 4 mg/L which represents the dashed line.

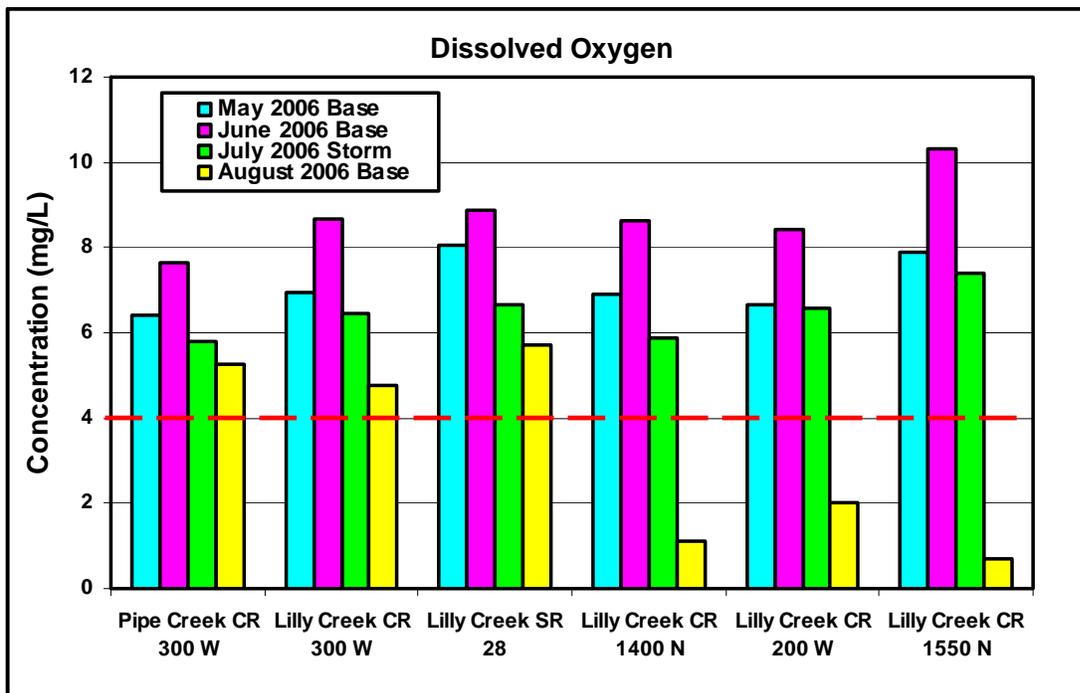


Figure 4. Dissolved oxygen concentrations for the Lilly Creek Watershed stream sites for 2006. The minimum IAC state standard for DO is 4 mg/L which represents the dashed line.

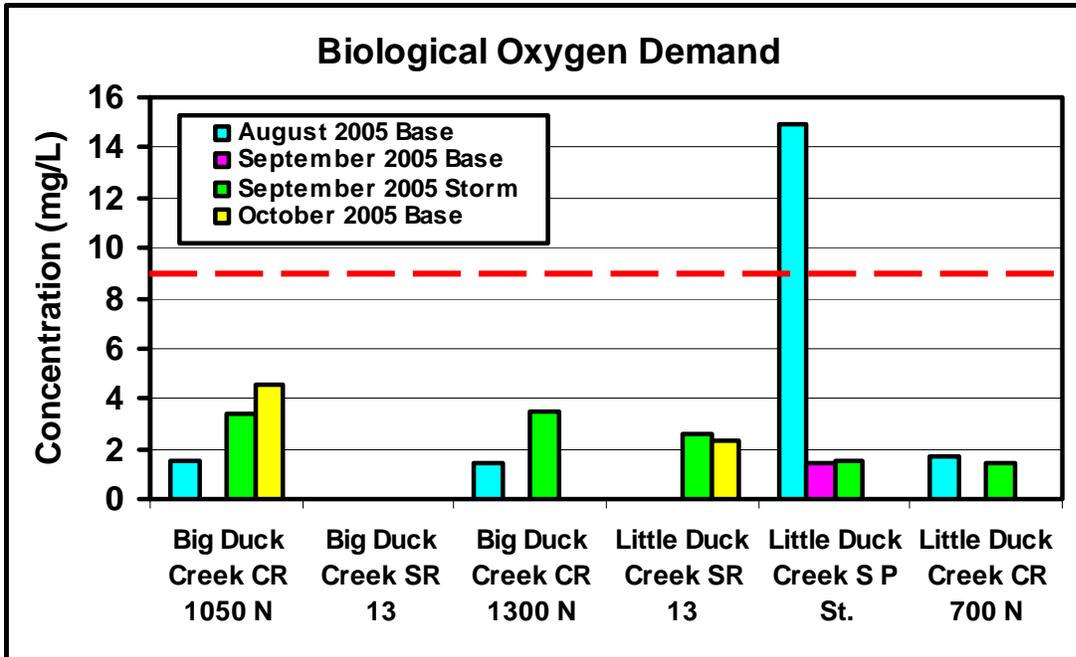


Figure 5. Biochemical oxygen demand concentrations for the Little Duck Creek Watershed stream sites for 2005.

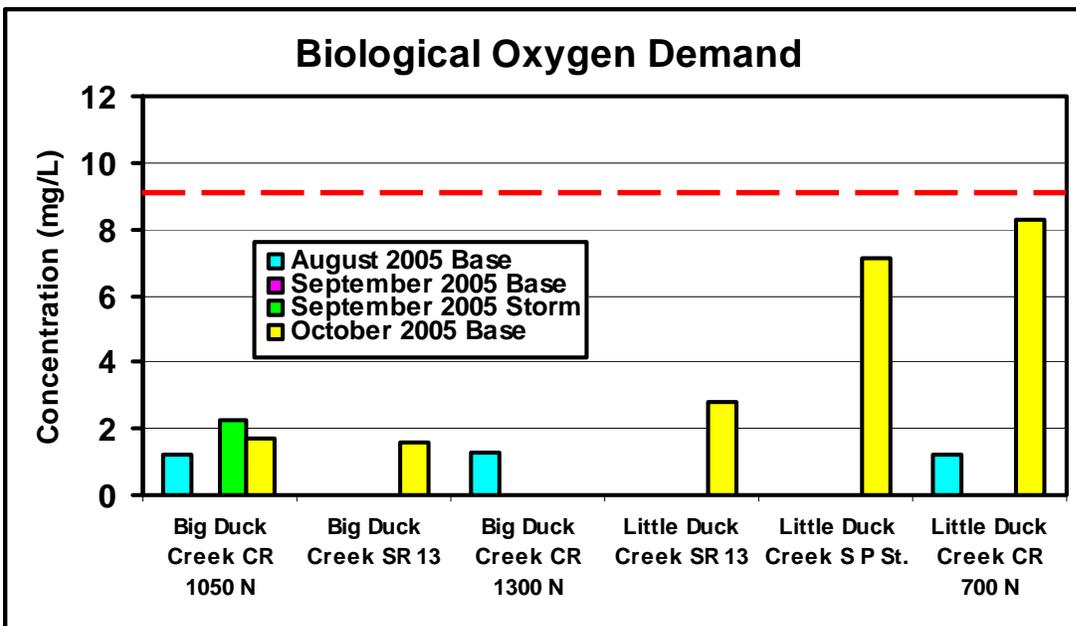


Figure 6. Biochemical oxygen demand concentrations for the Little Duck Creek Watershed stream sites for 2006.

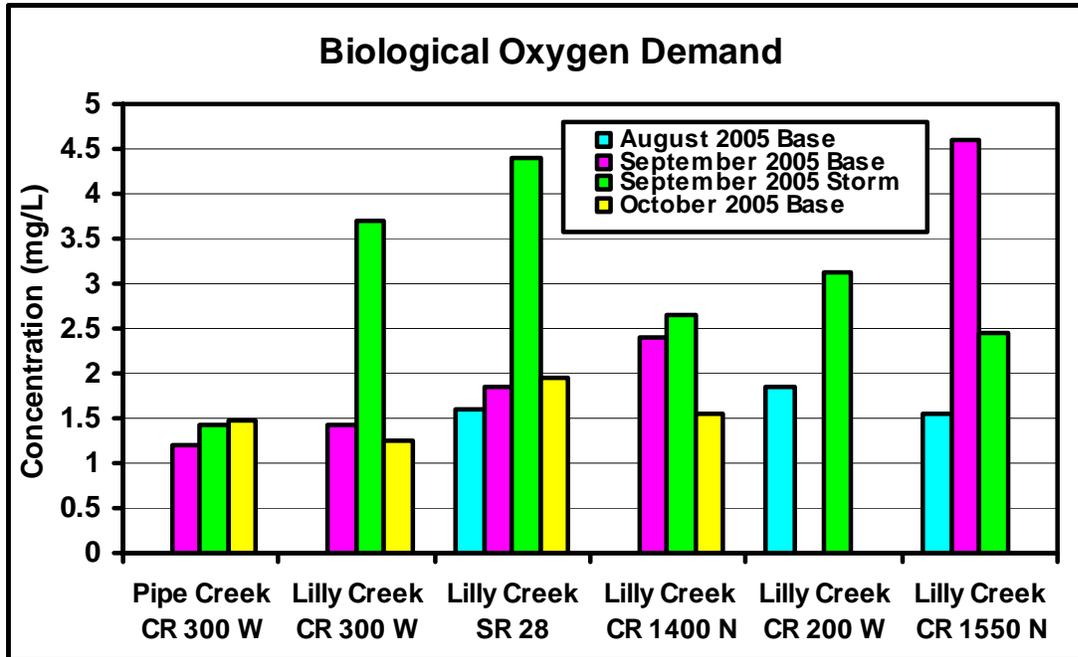


Figure 7. Biochemical oxygen demand concentrations for the Lilly Creek Watershed stream sites for 2005.

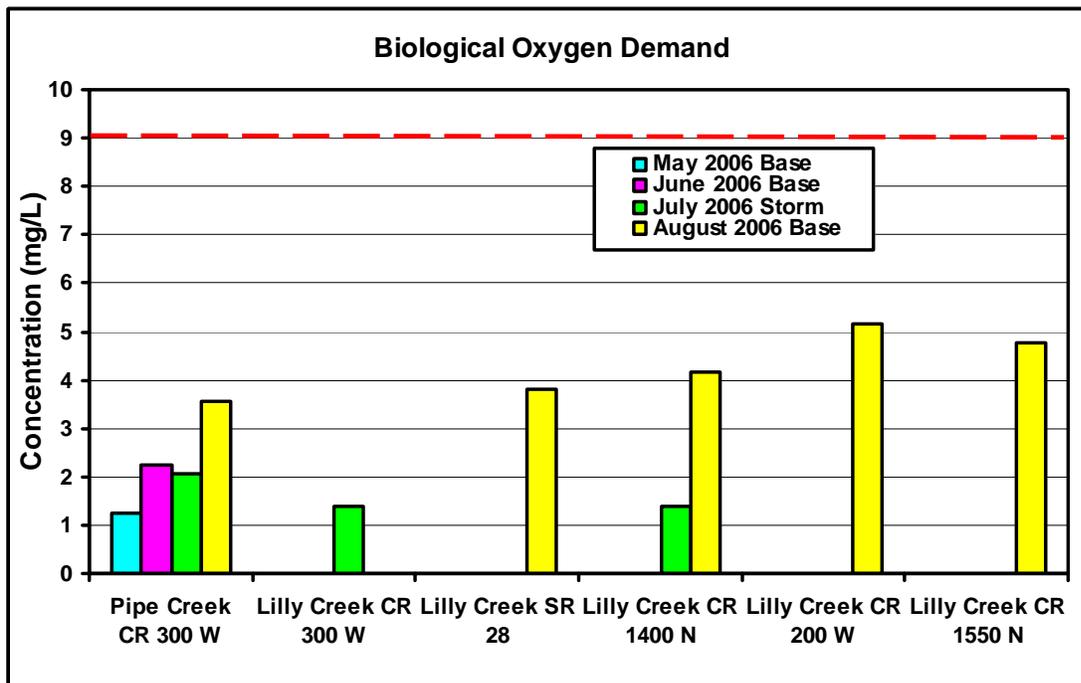


Figure 8. Biochemical oxygen demand concentrations for the Lilly Creek Watershed stream sites for 2006.

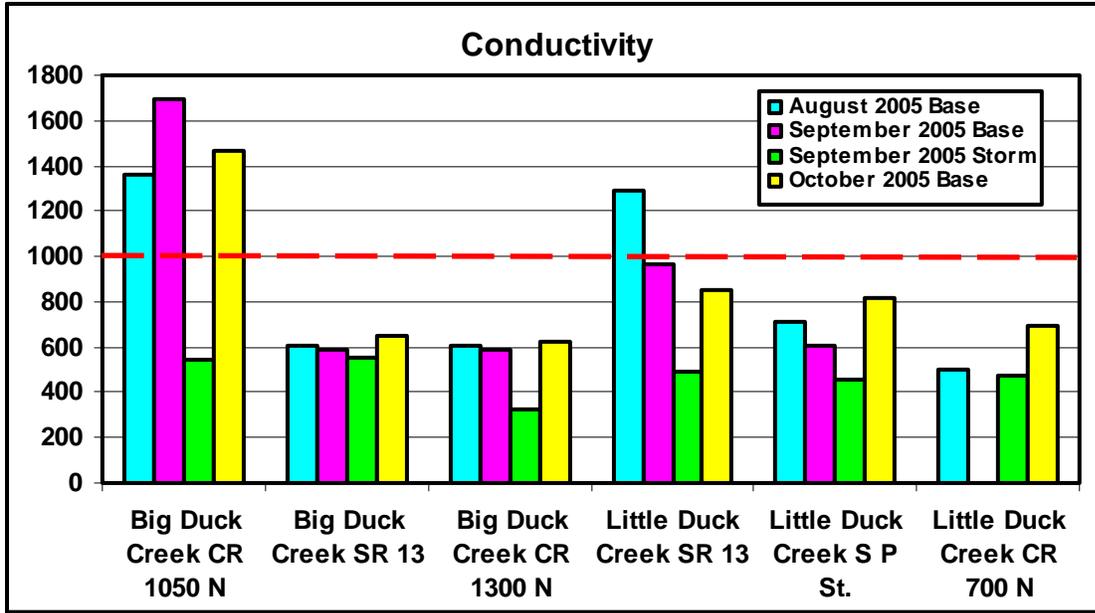


Figure 9. Conductivity measurements for the Little Duck Creek Watershed stream sites for 2005. The low end of the state standard maximum for conductivity is 1000 μ mhos, which is represented by the dashed line.

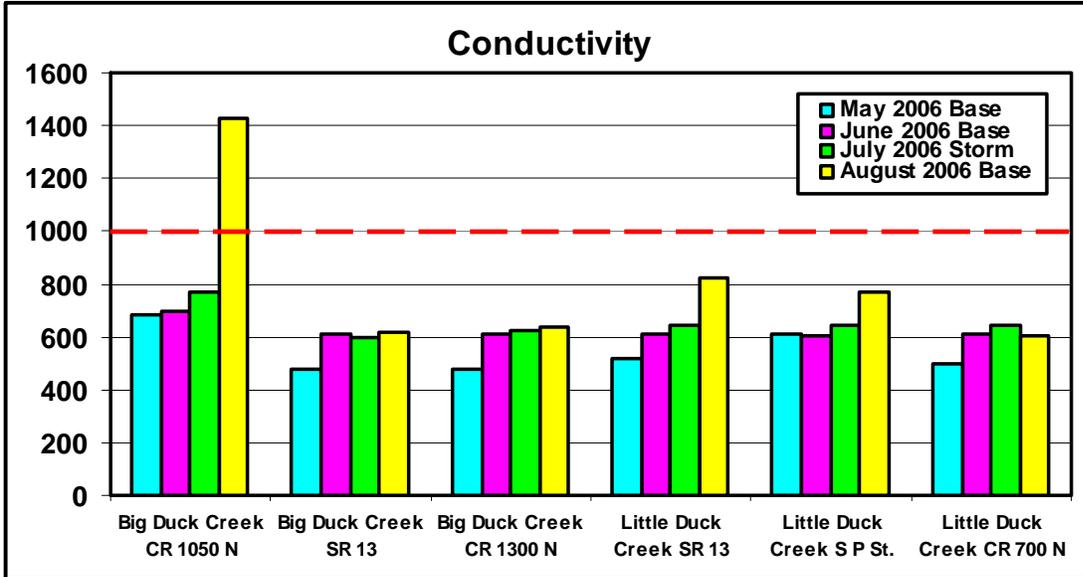


Figure 10. Conductivity measurements for the Little Duck Creek Watershed stream sites for 2006. The low end of the state standard maximum for conductivity is 1000 μ mhos, which is represented by the dashed line.

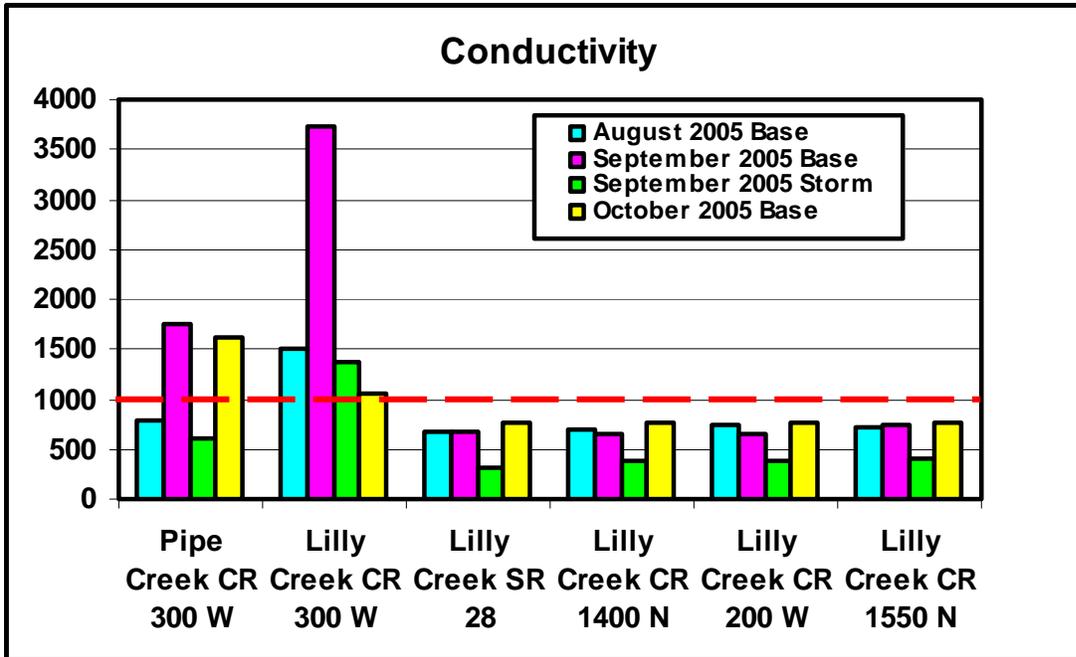


Figure 11. Conductivity measurements for the Lilly Creek Watershed stream sites for 2005. The low end of the state standard maximum for conductivity is 1000 μmhos , which is represented by the dashed line.

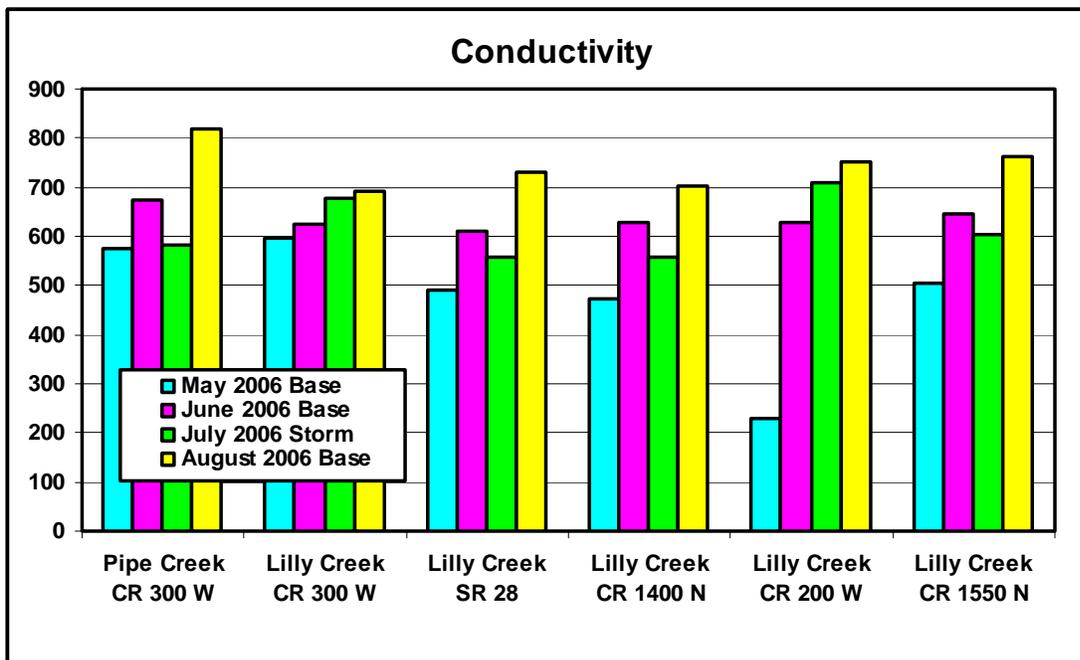


Figure 12. Conductivity measurements for the Lilly Creek Watershed stream sites for 2006. The low end of the state standard maximum for conductivity is 1000 μmhos , which is represented by the dashed line.

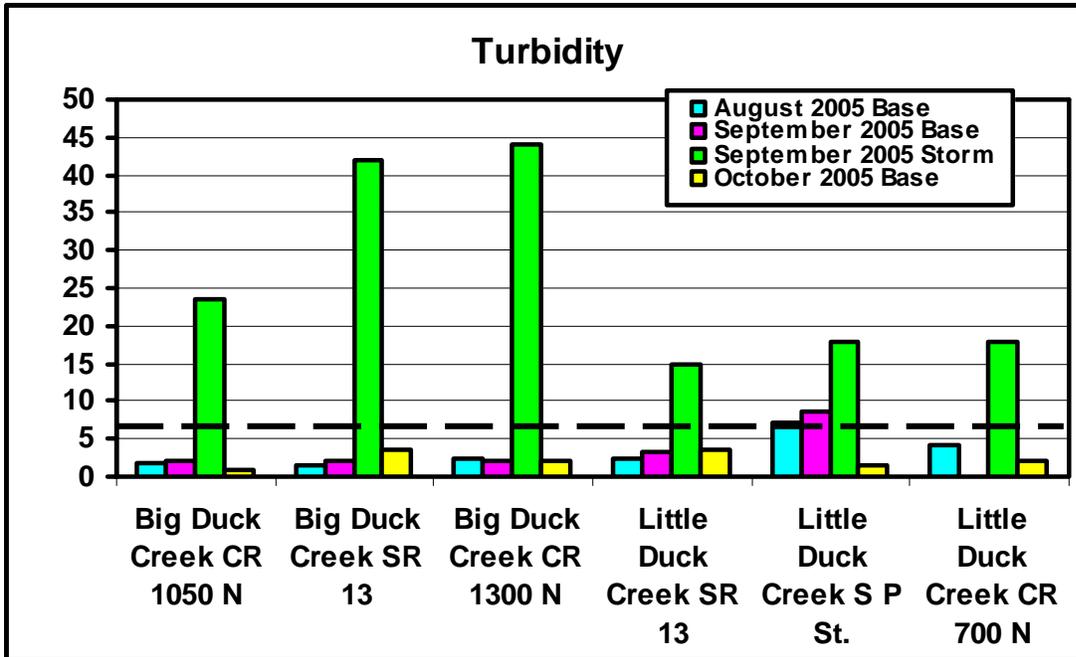


Figure 13. Turbidity measurements for the Little Duck Creek Watershed stream sites for 2005. The maximum recommended turbidity measurement is 6.3 NTU, according to the USEPA nutrient criteria, which is represented by the dashed line (USEPA, 2000).

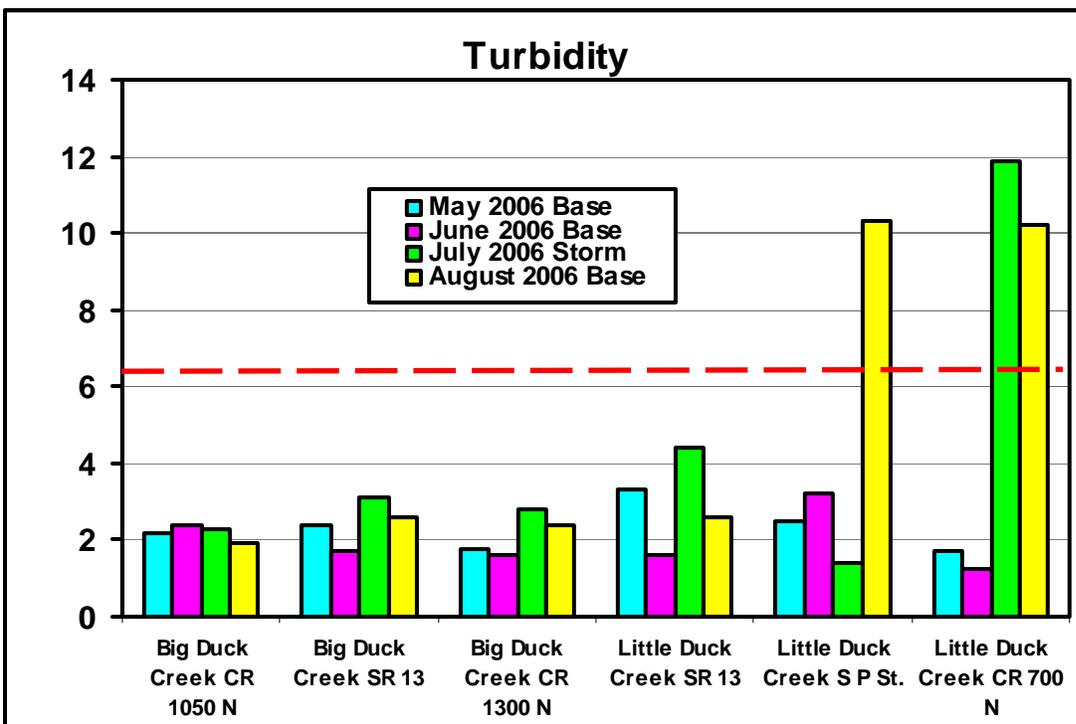


Figure 14. Turbidity measurements for the Little Duck Creek Watershed stream sites for 2006. The maximum recommended turbidity measurement is 6.3 NTU, according to the USEPA nutrient criteria, which is represented by the dashed line (USEPA, 2000).

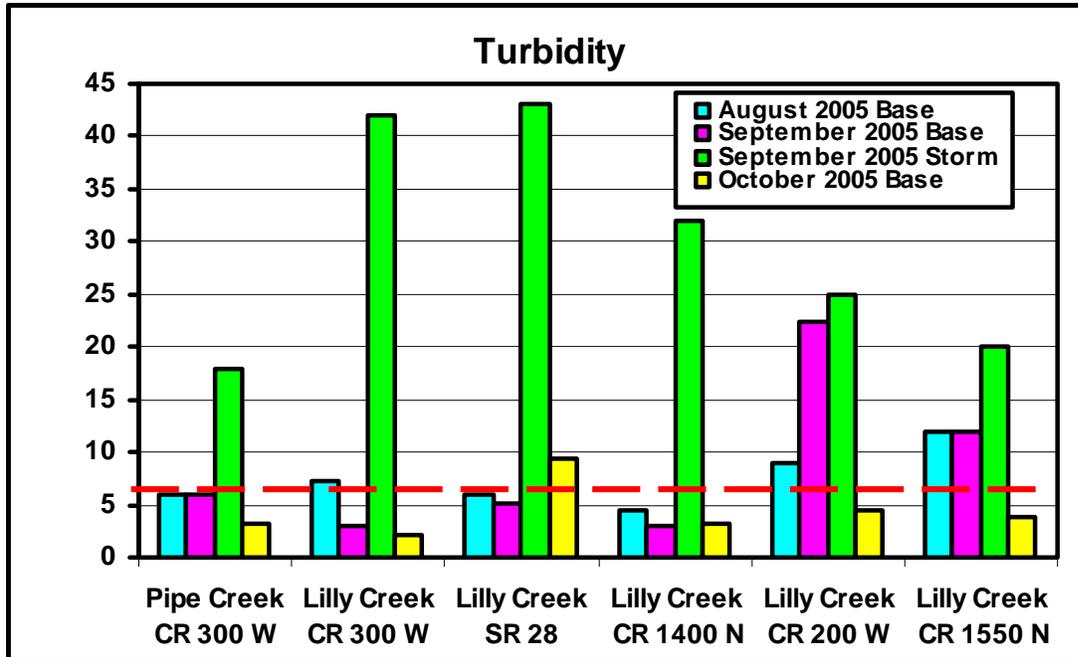


Figure 15. Turbidity measurements for the Lilly Creek Watershed stream sites for 2005. The maximum recommended turbidity measurement is 6.3 NTU, according to the USEPA nutrient criteria, which is represented by the dashed line (USEPA, 2000).

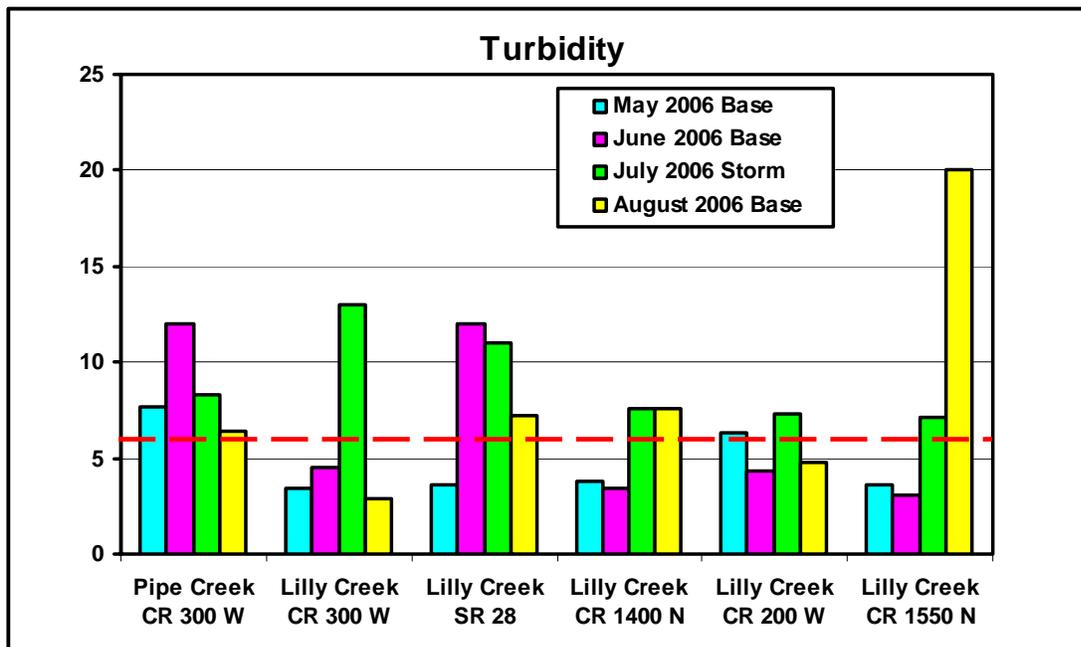


Figure 16. Turbidity measurements for the Lilly Creek Watershed stream sites for 2006. The maximum recommended turbidity measurement is 6.3 NTU, according to the USEPA nutrient criteria, which is represented by the dashed line (USEPA, 2000).

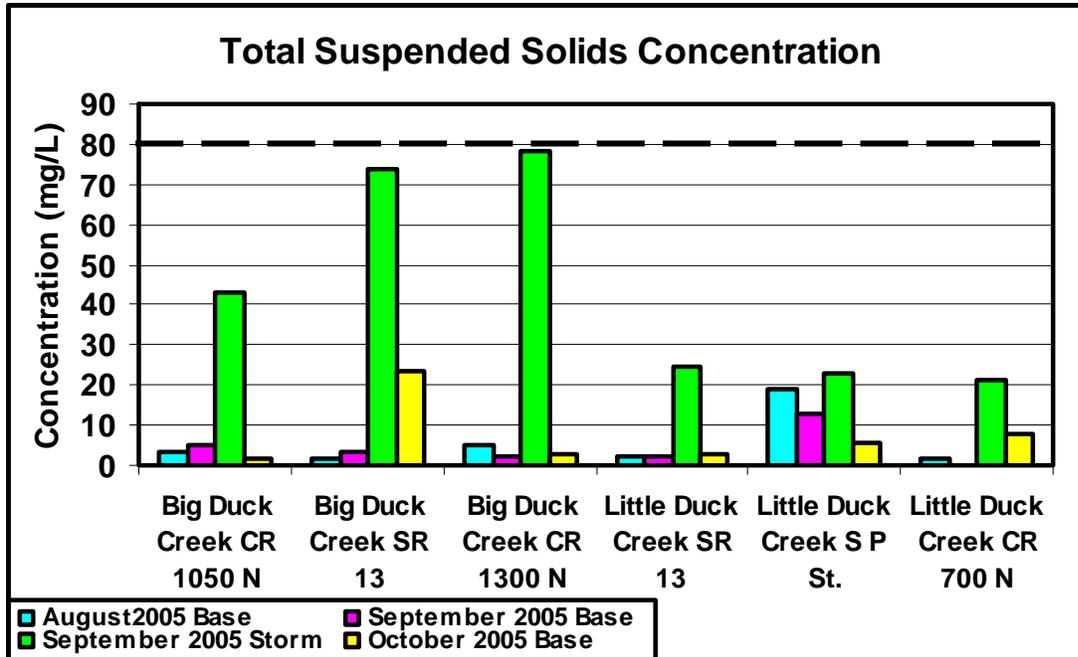


Figure 17. Total suspended solids concentrations for the Little Duck Creek Watershed stream sites for 2005. The dashed line at 80 mg/L represents concentrations deleterious for aquatic biota (Waters, 1998).

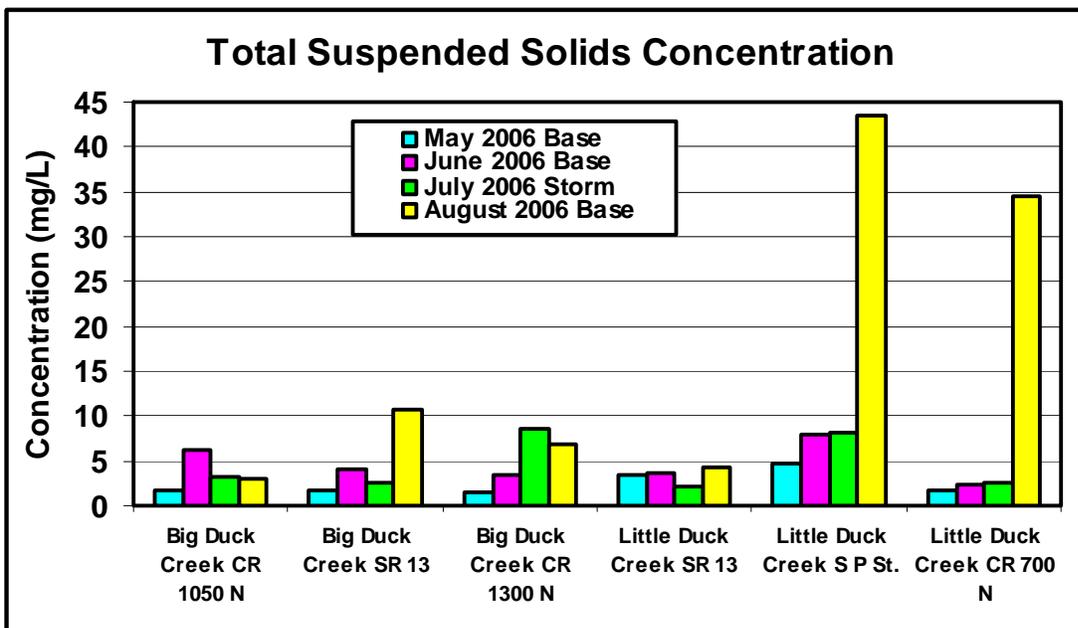


Figure 18. Total suspended solids concentrations for the Little Duck Creek Watershed stream sites for 2006.

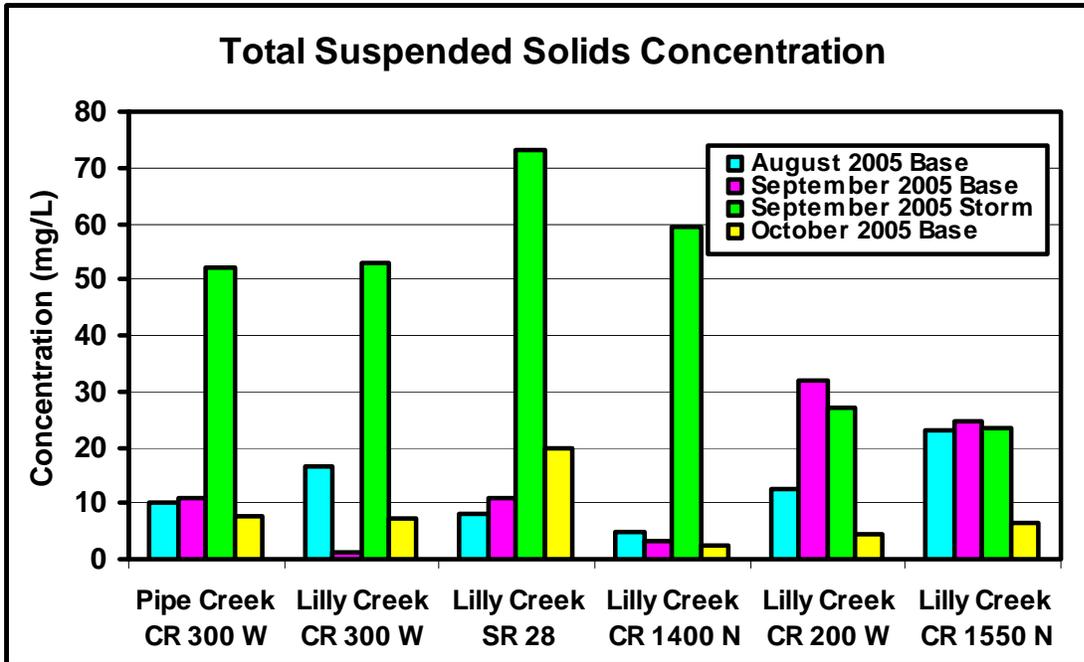


Figure 19. Total suspended solids concentrations for the Lilly Creek Watershed stream sites for 2005. The dashed line at 80 mg/L represents concentrations deleterious for aquatic biota (Waters, 1998).

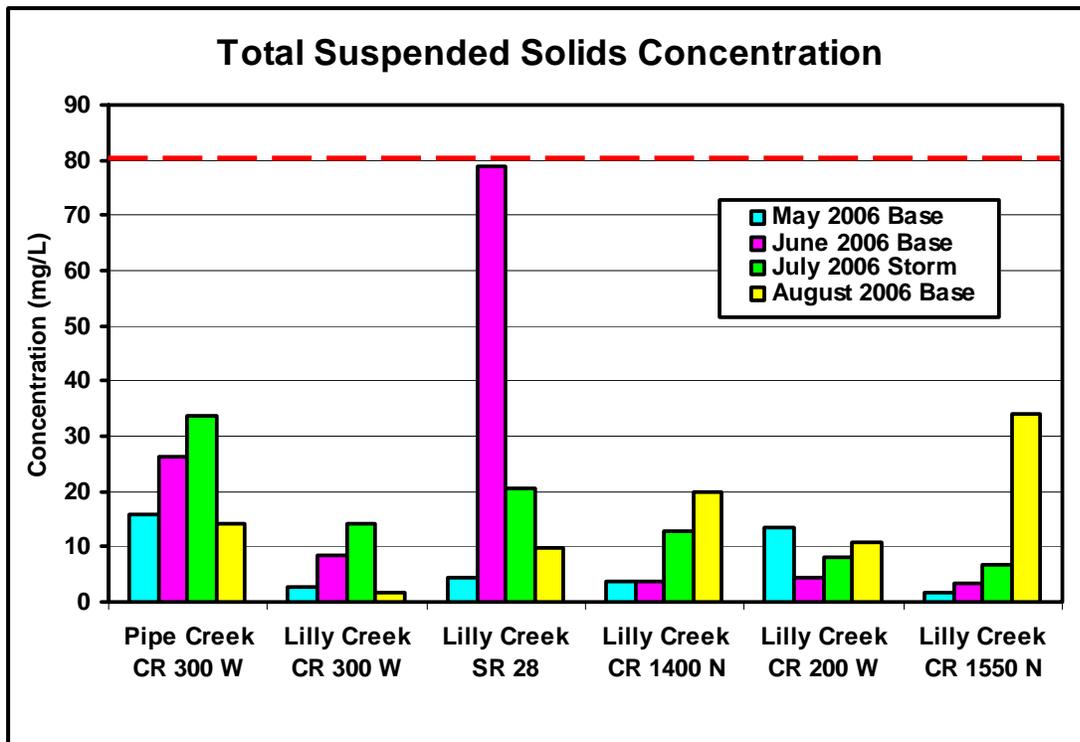


Figure 20. Total suspended solids concentrations for the Lilly Creek Watershed stream sites for 2006. The dashed line at 80 mg/L represents concentrations deleterious for aquatic biota (Waters, 1998).

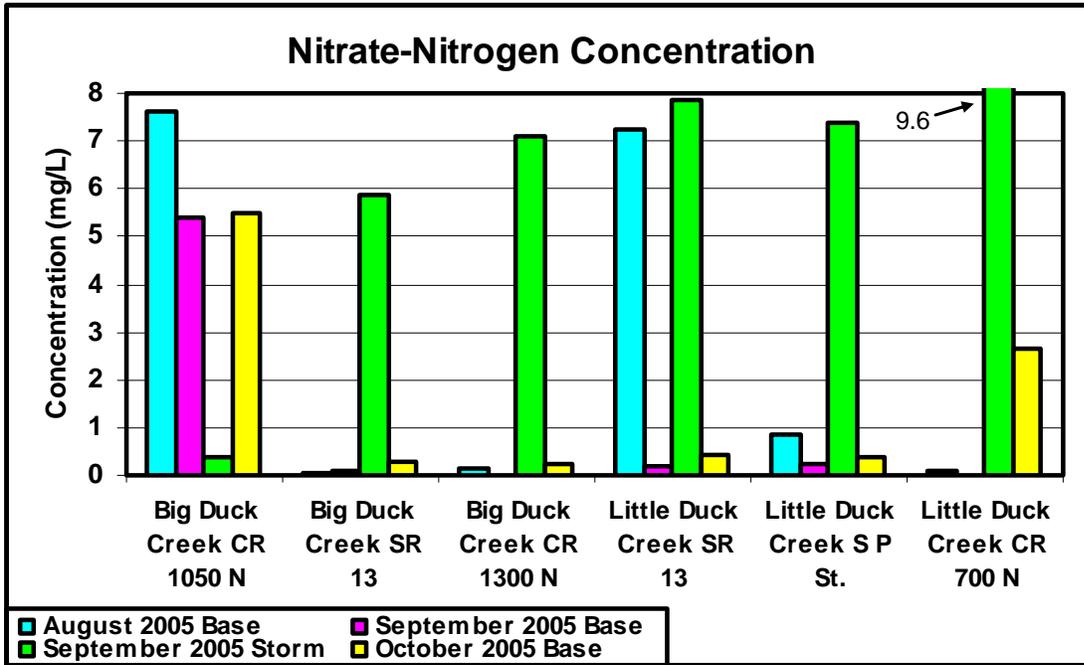


Figure 21. Nitrate concentrations for the Little Duck Creek Watershed stream sites for 2005. The maximum IAC state standard for nitrate-nitrogen is 10mg/L, which is represented by the dashed line.

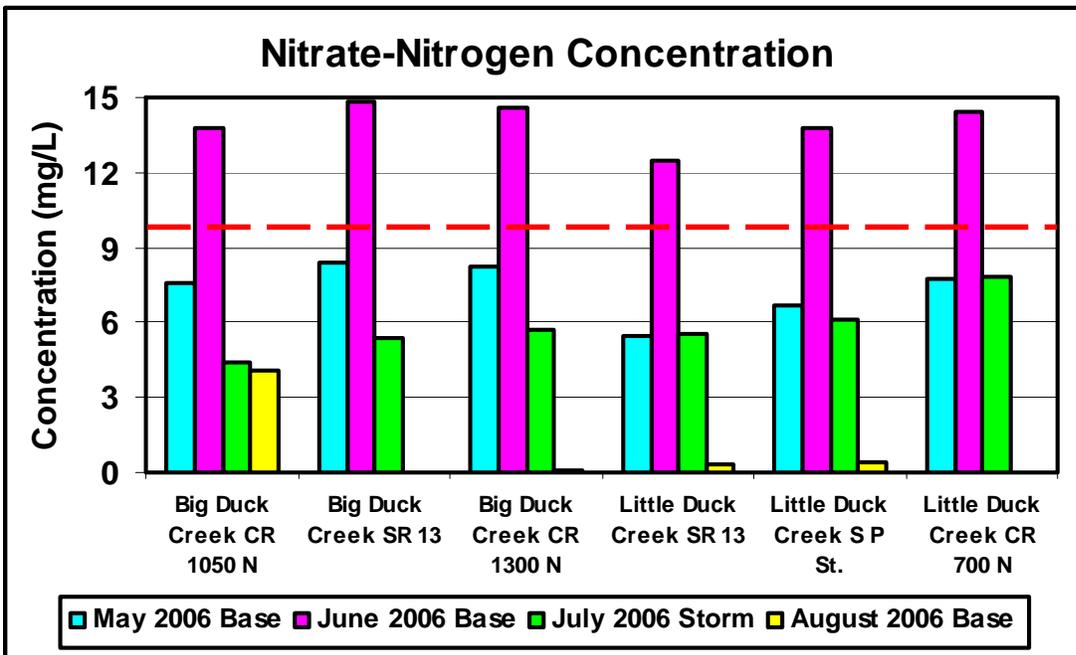


Figure 22. Nitrate concentrations for the Little Duck Creek Watershed stream sites for 2006. The maximum IAC state standard for nitrate-nitrogen is 10mg/L, which is represented by the dashed line.

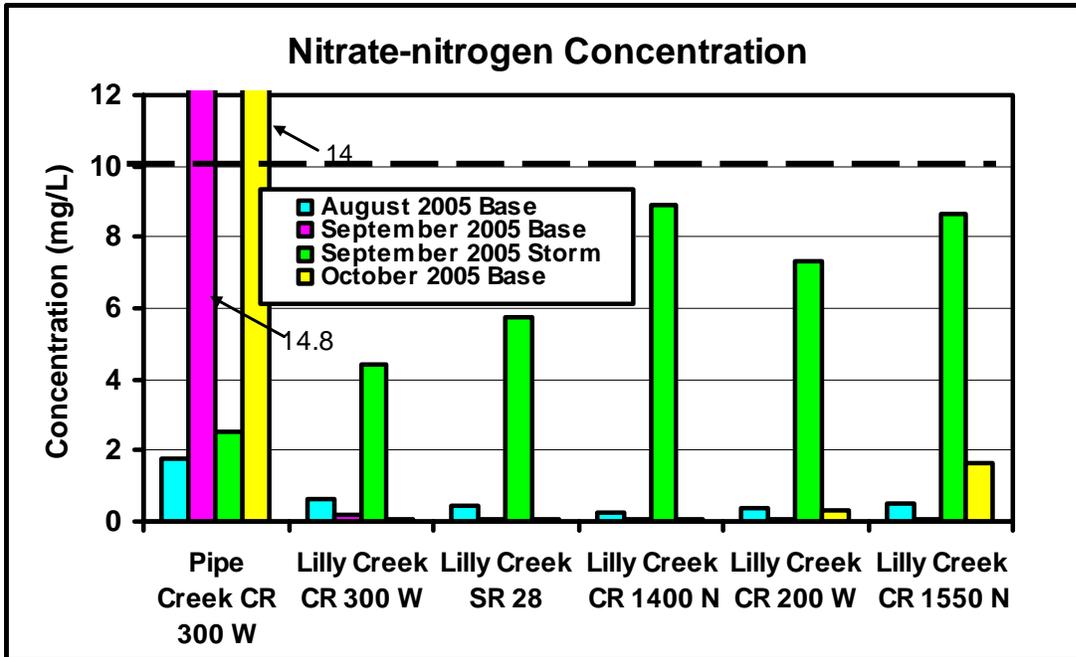


Figure 23. Nitrate concentrations for the Lilly Creek Watershed stream sites for 2005. The maximum IAC state standard for nitrate-nitrogen is 10mg/L, which is represented by the dashed line.

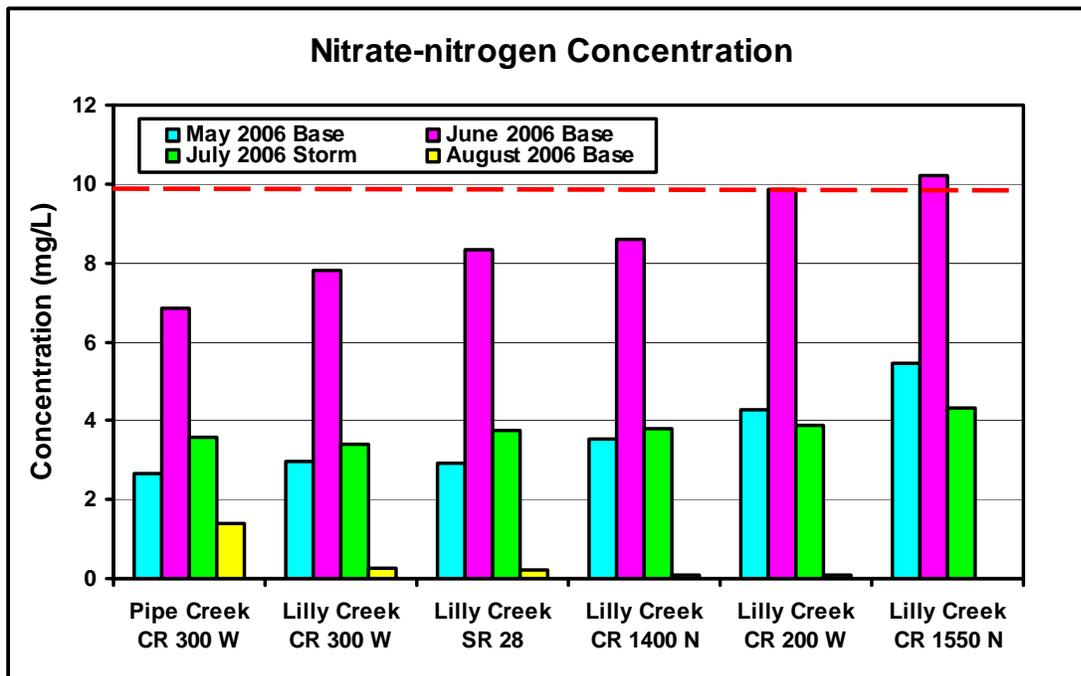


Figure 24. Nitrate concentrations for the Lilly Creek Watershed stream sites for 2006. The maximum IAC state standard for nitrate-nitrogen is 10mg/L, which is represented by the dashed line.

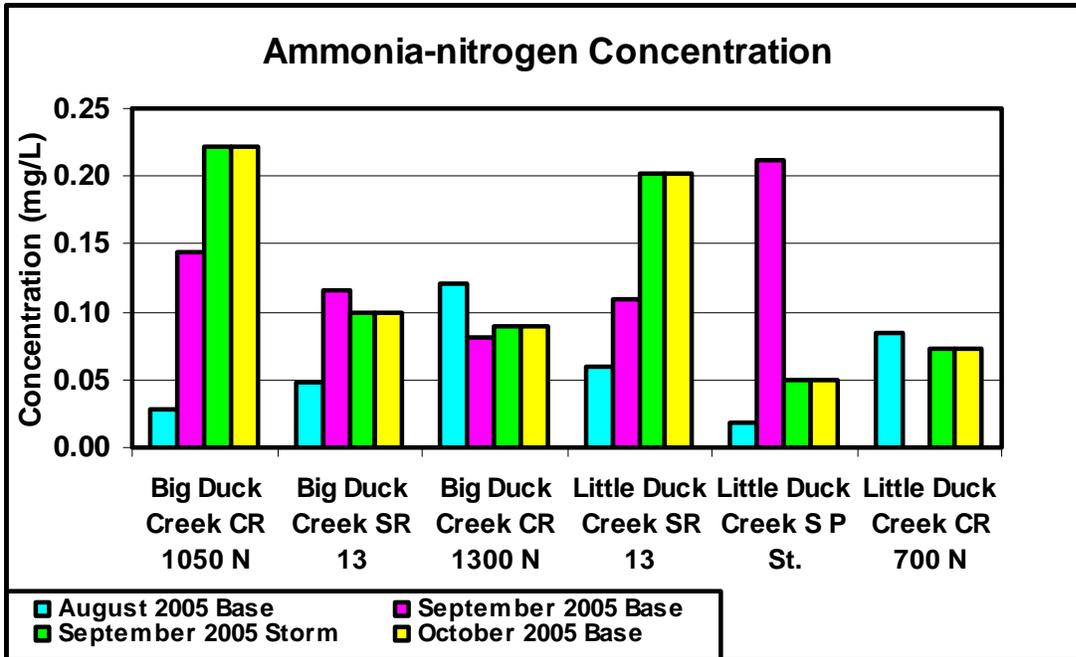


Figure 25. Ammonia concentrations for the Little Duck Creek Watershed stream sites for 2005.

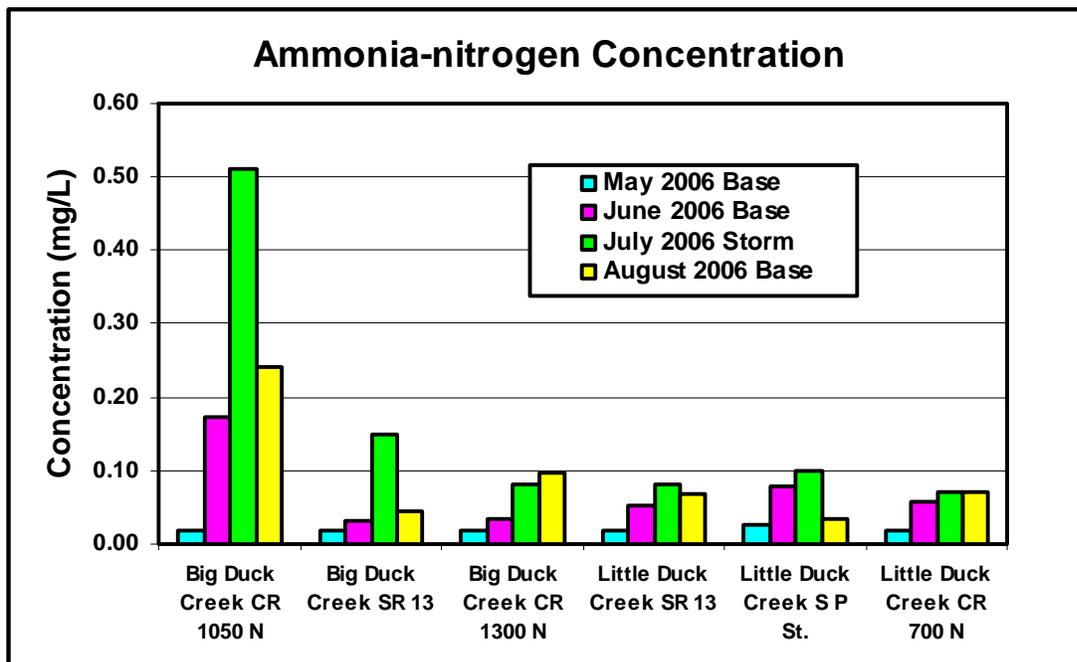


Figure 26. Ammonia concentrations for the Little Duck Creek Watershed stream sites for 2006.

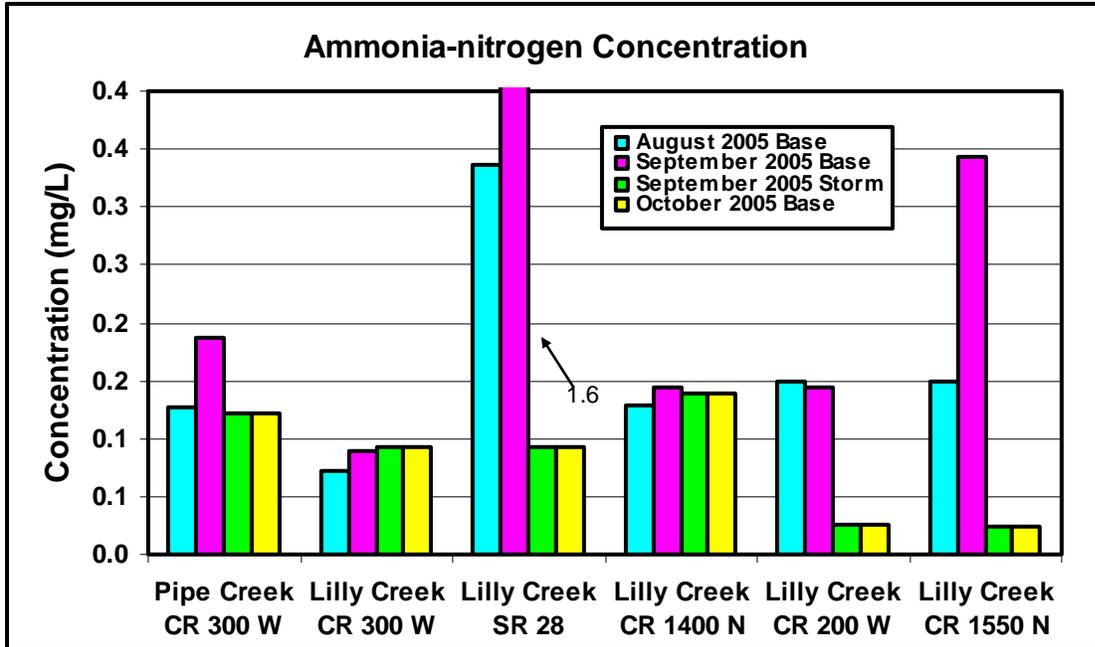


Figure 27. Ammonia concentrations for the Lilly Creek Watershed stream sites for 2005.

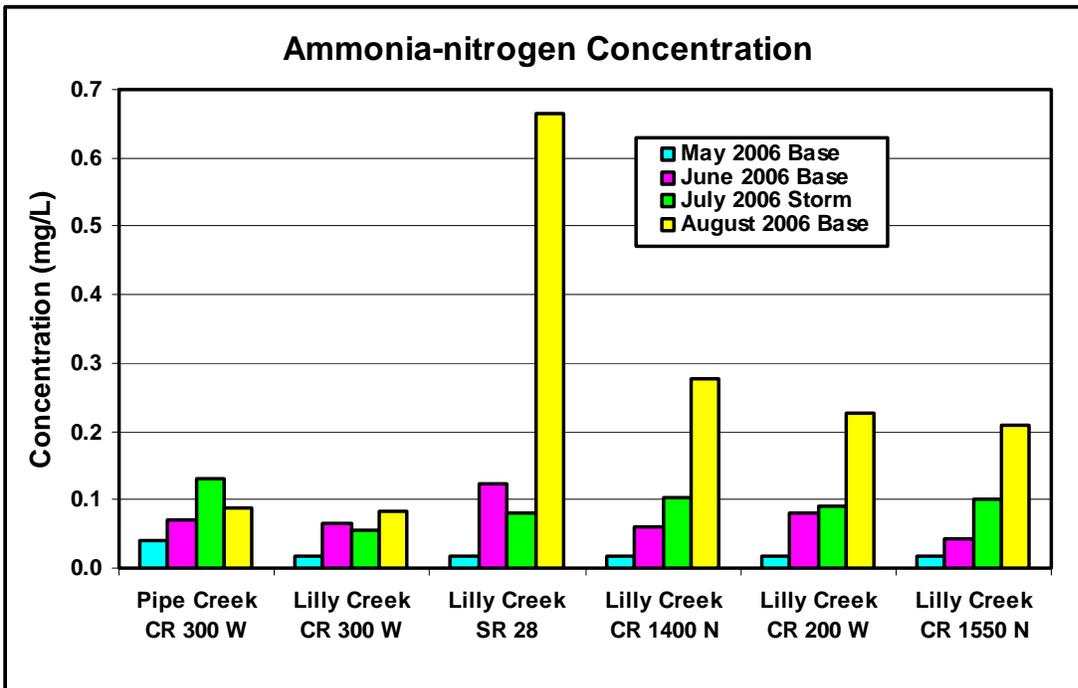


Figure 28. Ammonia concentrations for the Lilly Creek Watershed stream sites for 2006.

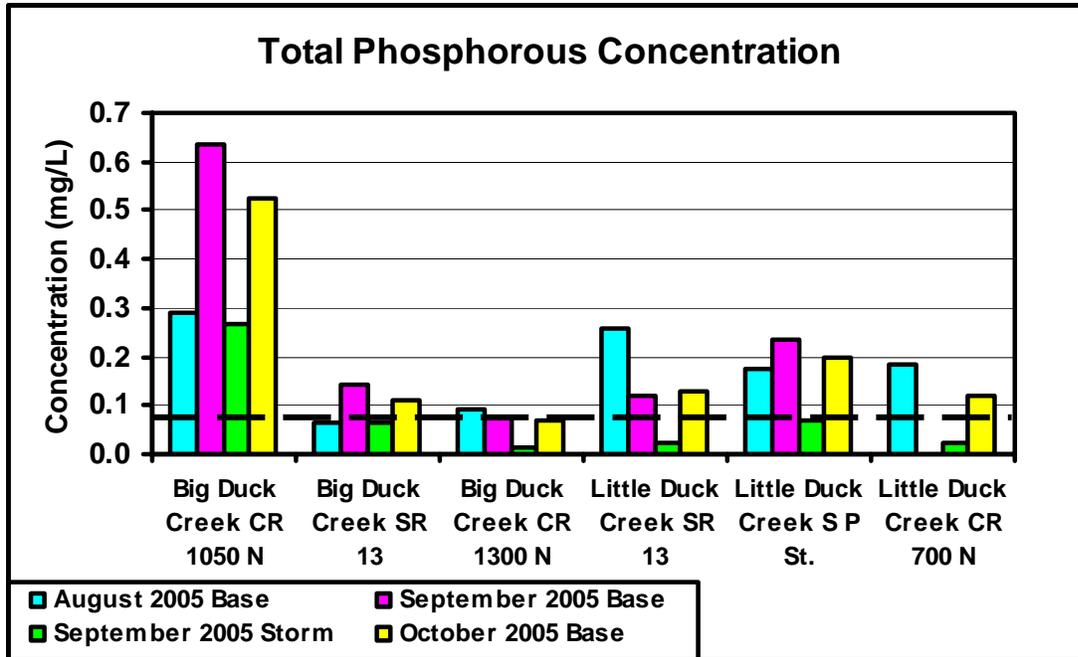


Figure 29. Total phosphorus concentrations for the Little Duck Creek Watershed stream sites for 2005. The dashed line at 0.075mg/L represents the USEPA’s recommended nutrient criteria for streams in this area and streams that would demonstrate eutrophic conditions (Dodds et al., 1998).

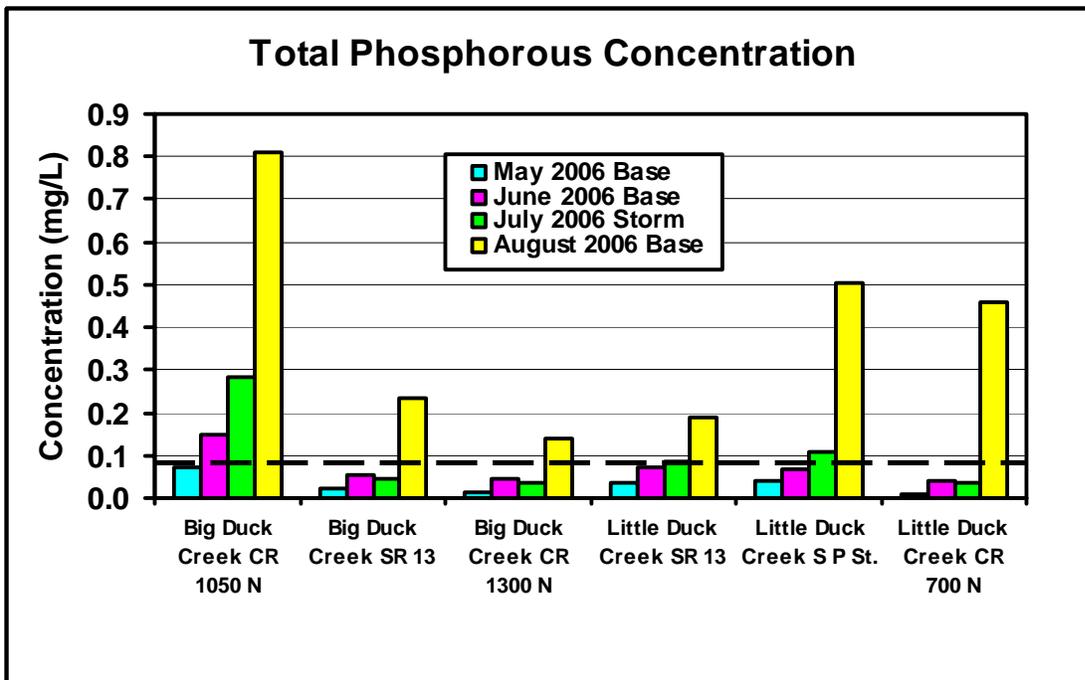


Figure 30. Total phosphorus concentrations for the Little Duck Creek Watershed stream sites for 2006. The dashed line at 0.075mg/L represents the USEPA’s recommended nutrient criteria for streams in this area and streams that would demonstrate eutrophic conditions (Dodds et al., 1998).

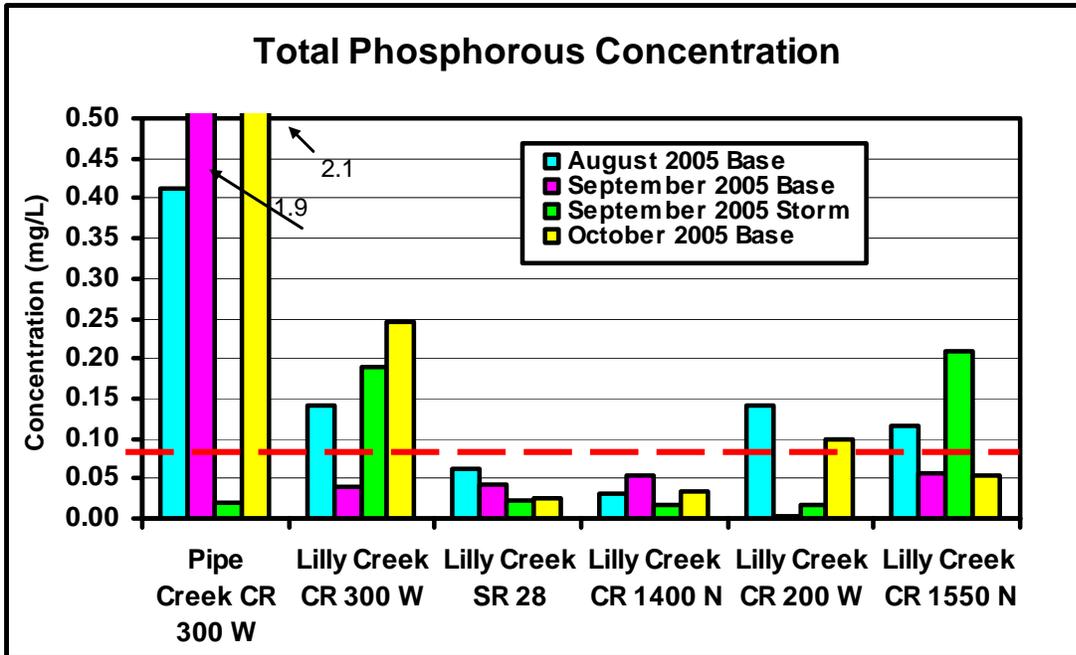


Figure 31. Total phosphorus concentrations for the Lilly Creek Watershed stream sites for 2005. The dashed line at 0.075mg/L represents the USEPA's recommended nutrient criteria for streams in this area and streams that would demonstrate eutrophic conditions (Dodds et al., 1998).

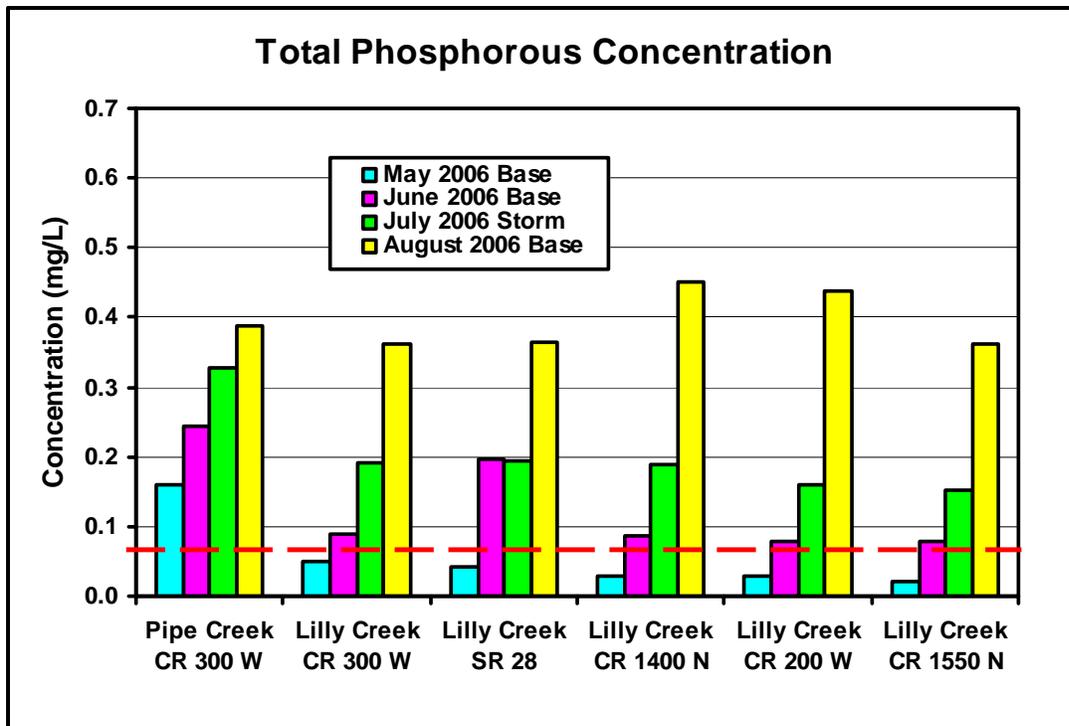


Figure 32. Total phosphorus concentrations for the Lilly Creek Watershed stream sites for 2006. See above for details on line.

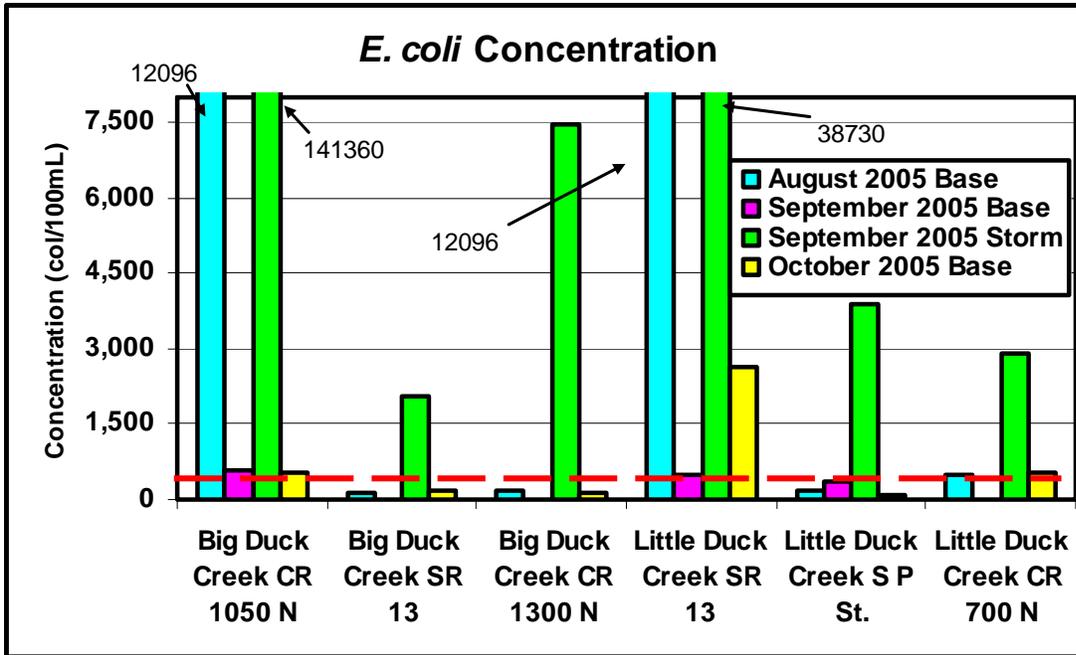


Figure 33. *E. coli* concentrations for the Little Duck Creek Watershed stream sites for 2005. The IAC standard is 235 colonies/100 mL in any one sample in 30 days as indicated by the dashed line.

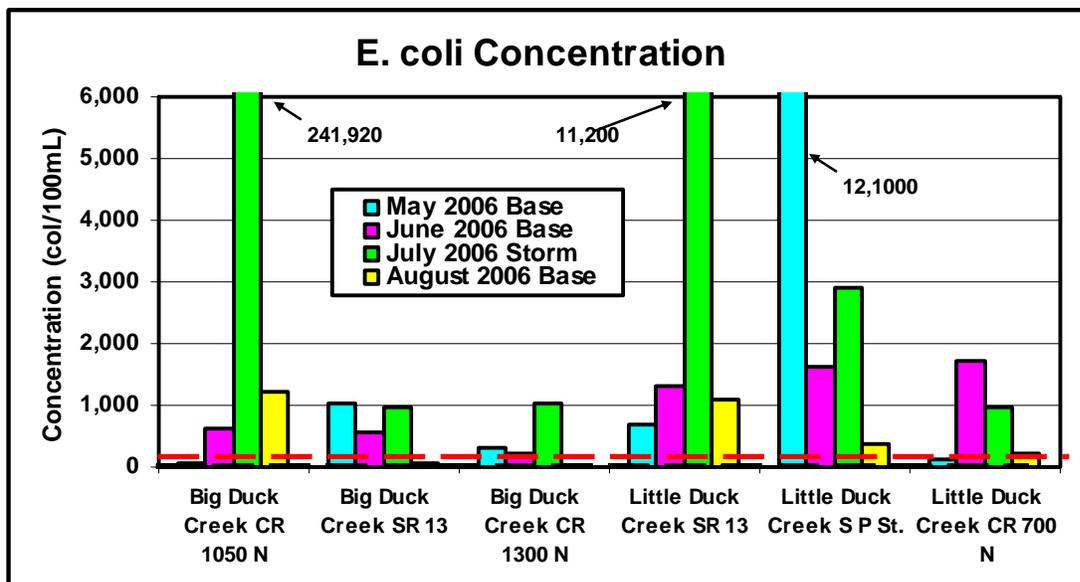


Figure 34. *E. coli* concentrations for the Little Duck Creek Watershed stream sites for 2006. The IAC standard is 235 colonies/100 mL in any one sample in 30 days as indicated by the dashed line.

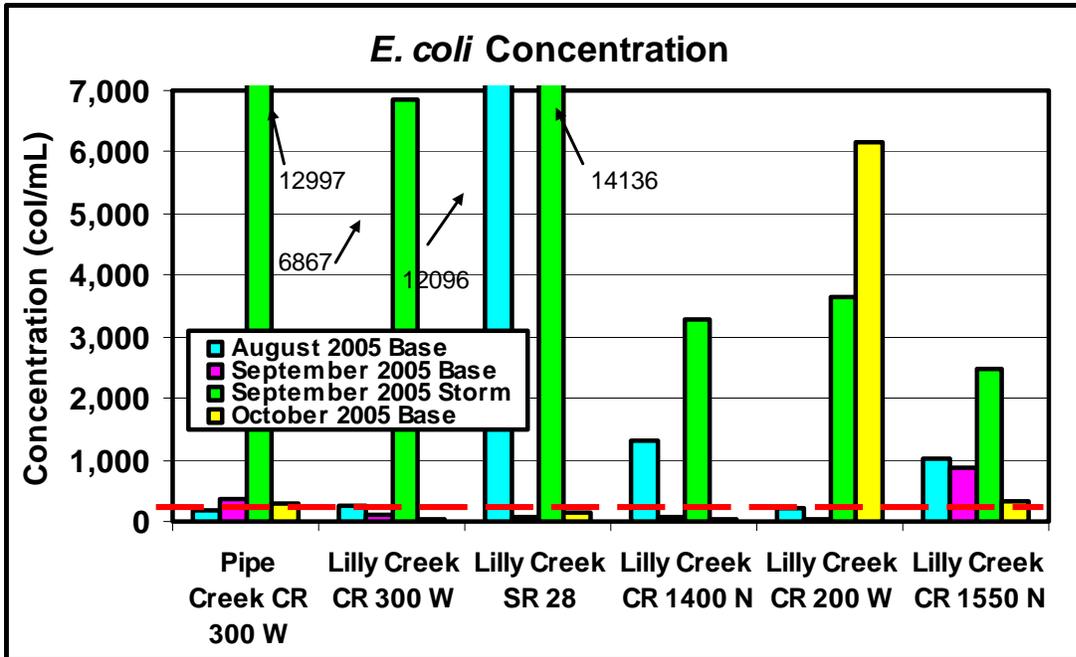


Figure 35. *E. coli* concentrations for the Lilly Creek Watershed stream sites for 2005. The IAC standard is 235 colonies/100 mL in any one sample in 30 days as indicated by the dashed line.

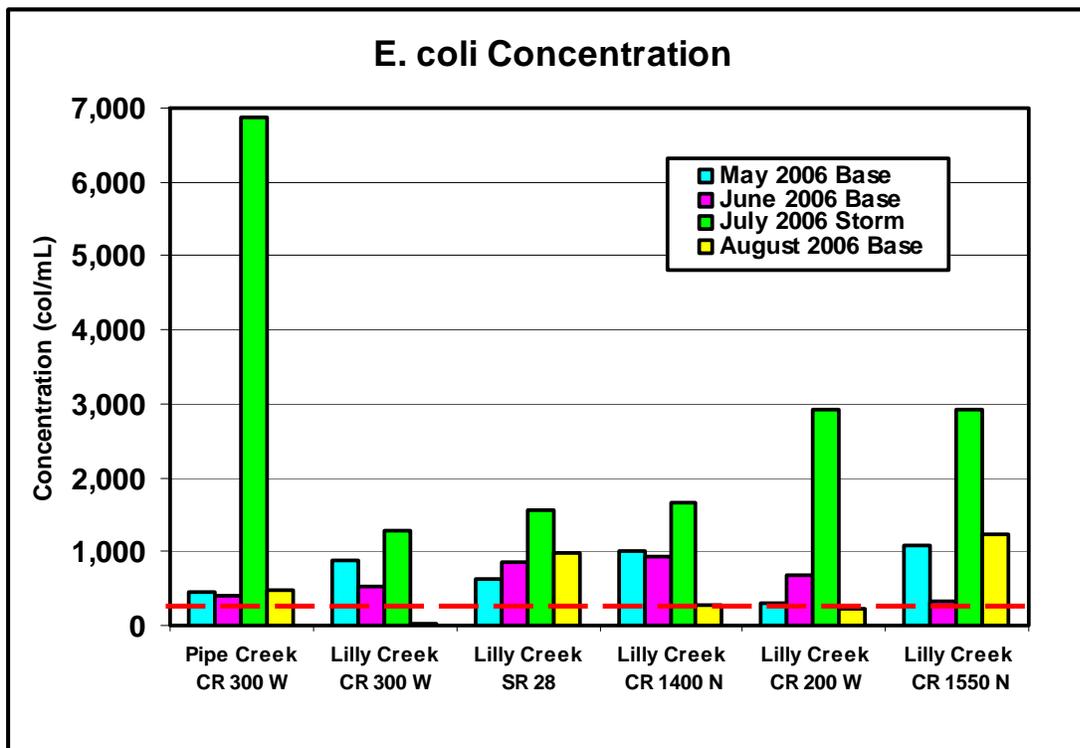


Figure 36. *E. coli* concentrations for the Lilly Creek Watershed stream sites for 2006. The IAC standard is 235 colonies/100 mL in any one sample in 30 days as indicated by the dashed line.