

Appendix B – Scatterplots of Water Quality Parameters

Section - II Elizabeth River

List of Figures

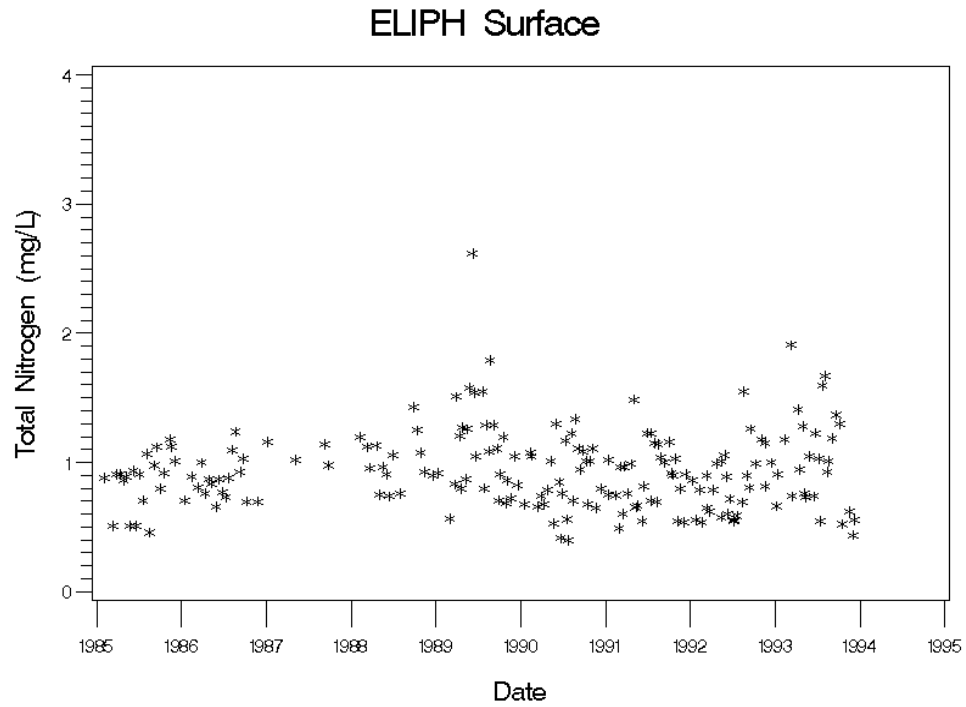
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a) Pre-method change period



b) Post-method change period

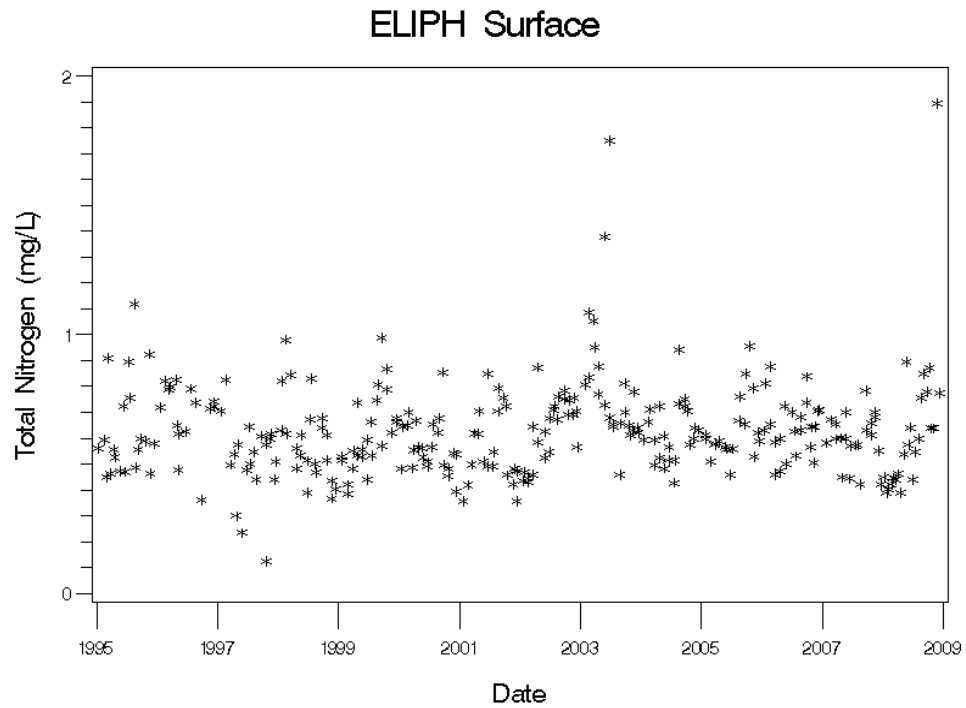
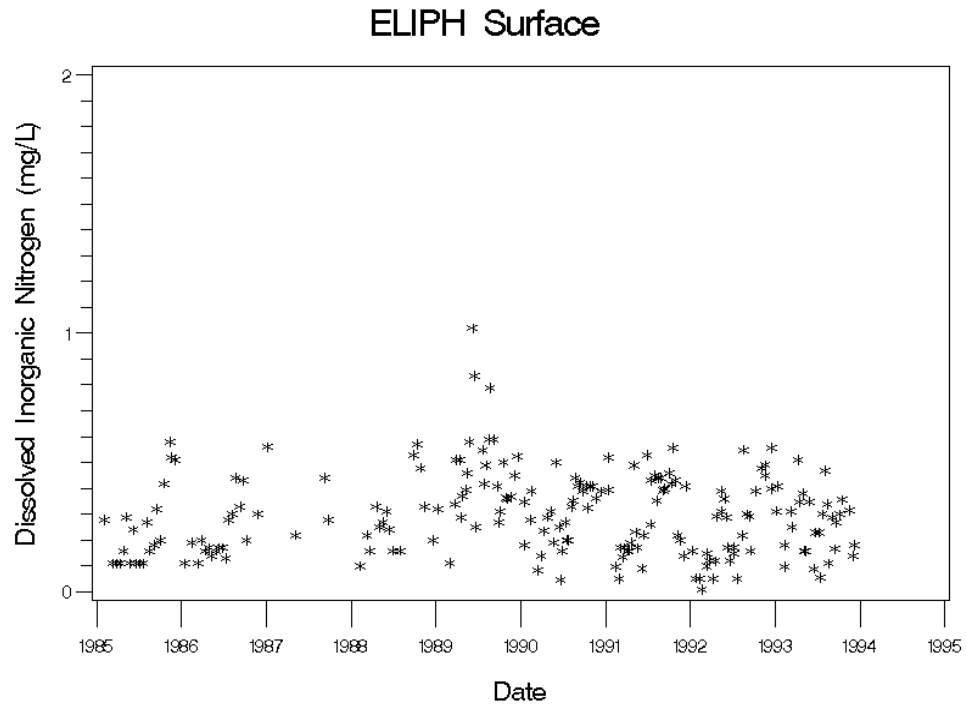


Figure 1. Scatterplots of surface total nitrogen at segment ELIPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

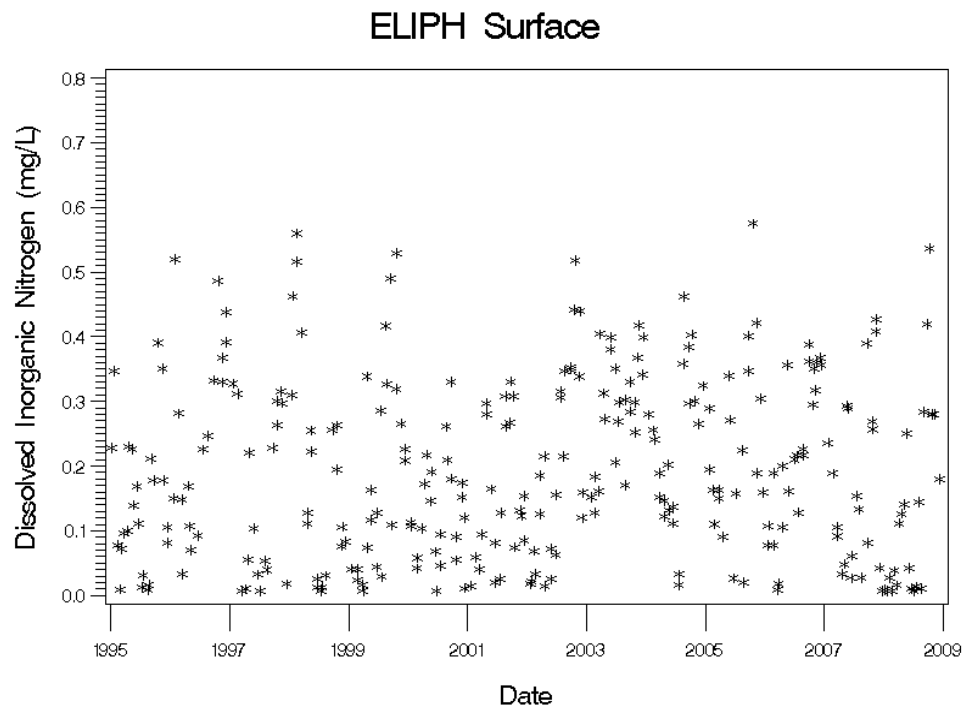
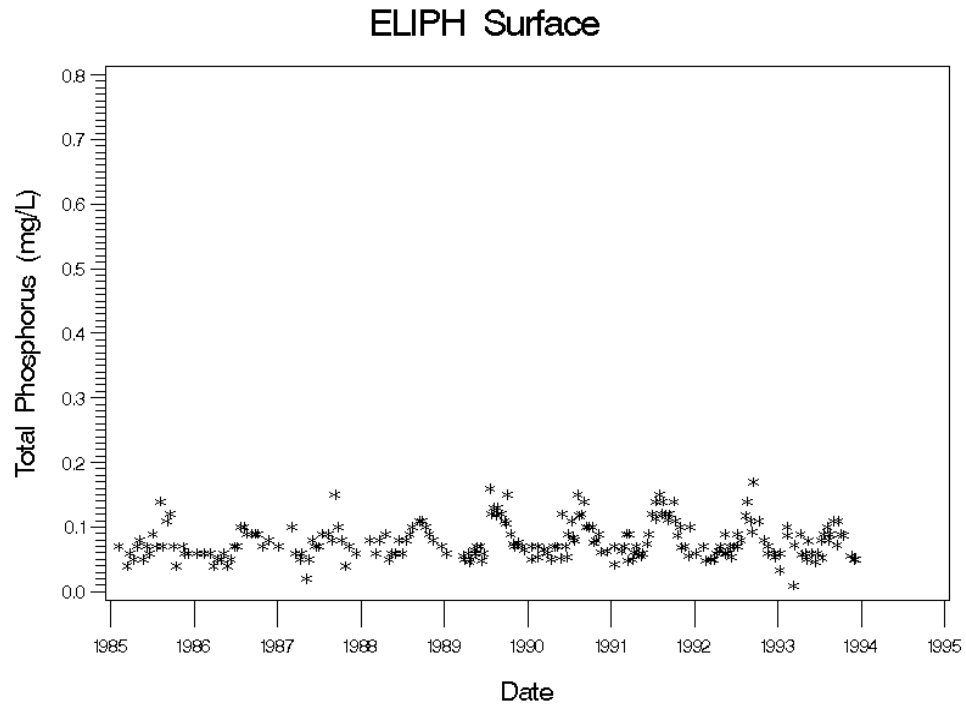


Figure 2. Scatterplots of surface dissolved inorganic nitrogen at segment ELIPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

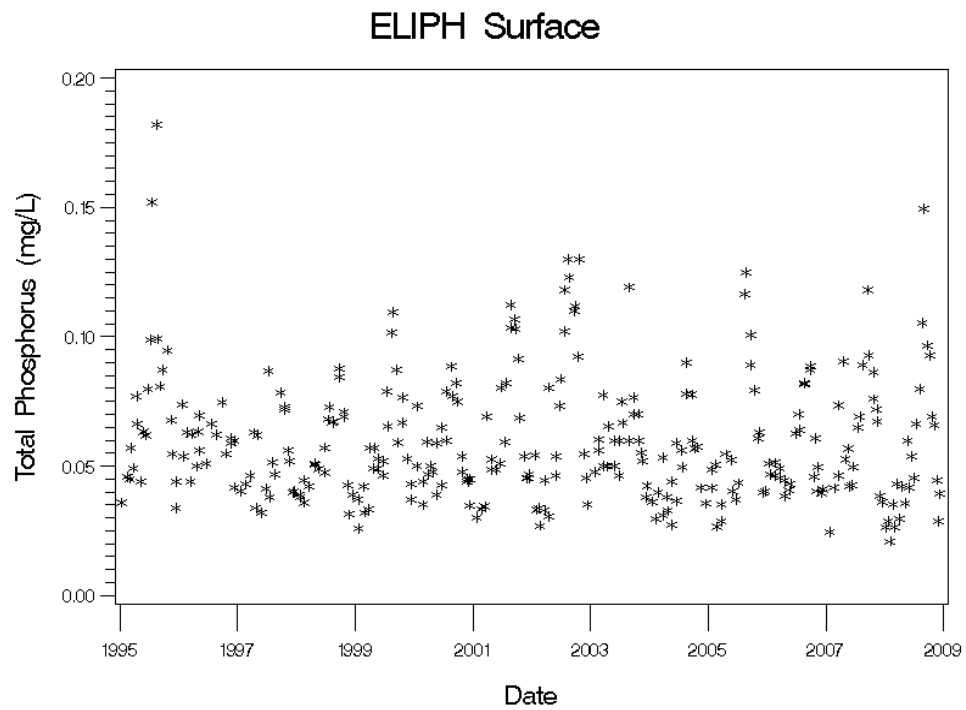
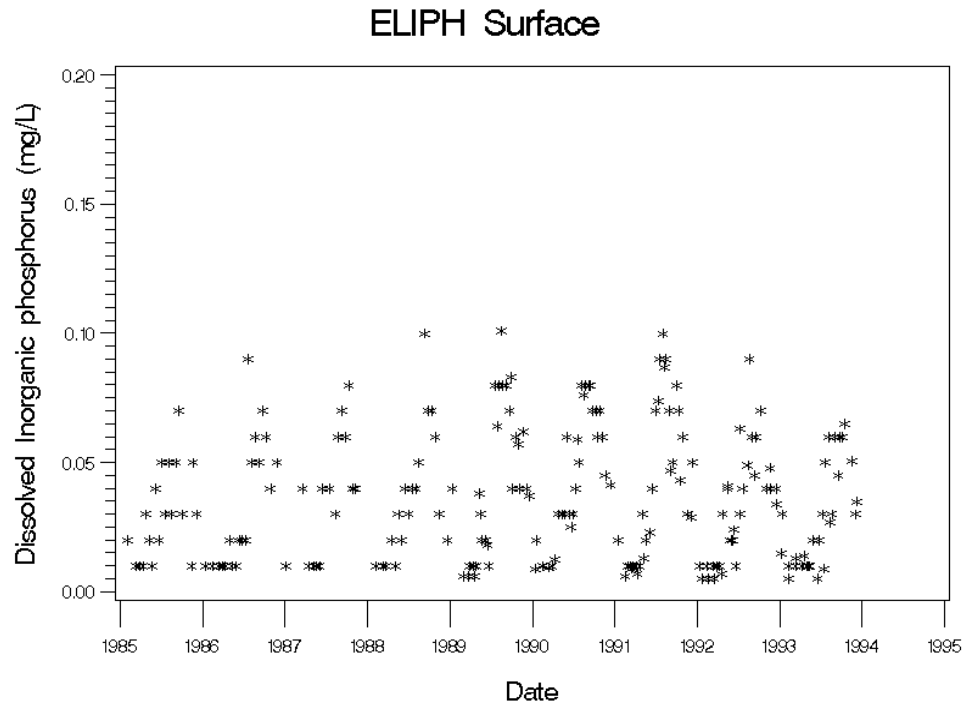


Figure 3. Scatterplots of surface total phosphorus at segment ELIPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

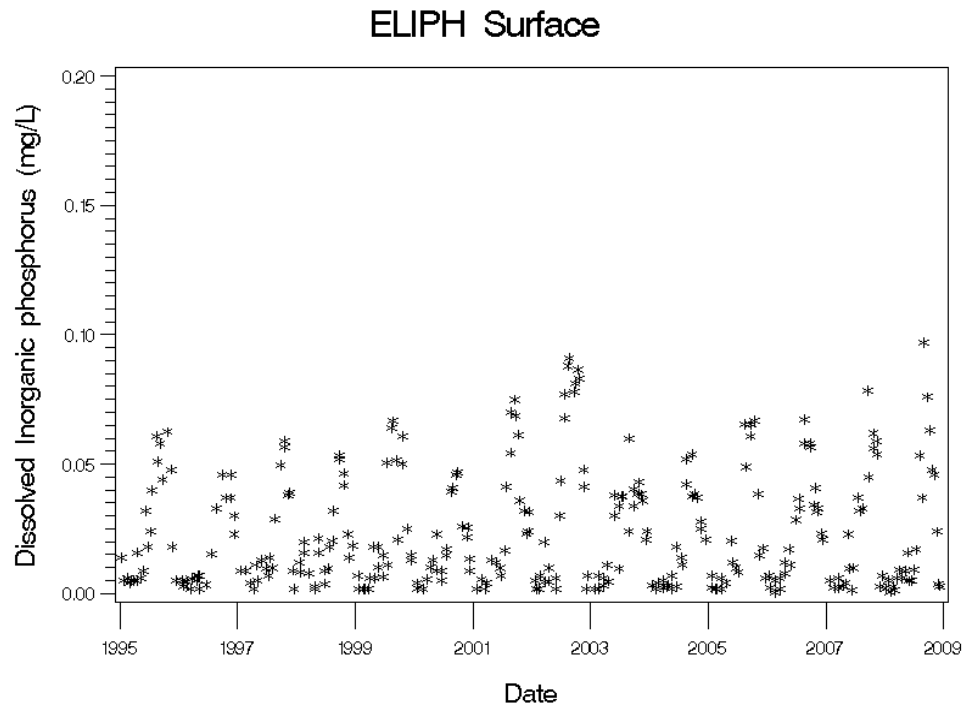


Figure 4. Scatterplots of surface dissolved inorganic phosphorus at segment ELIPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

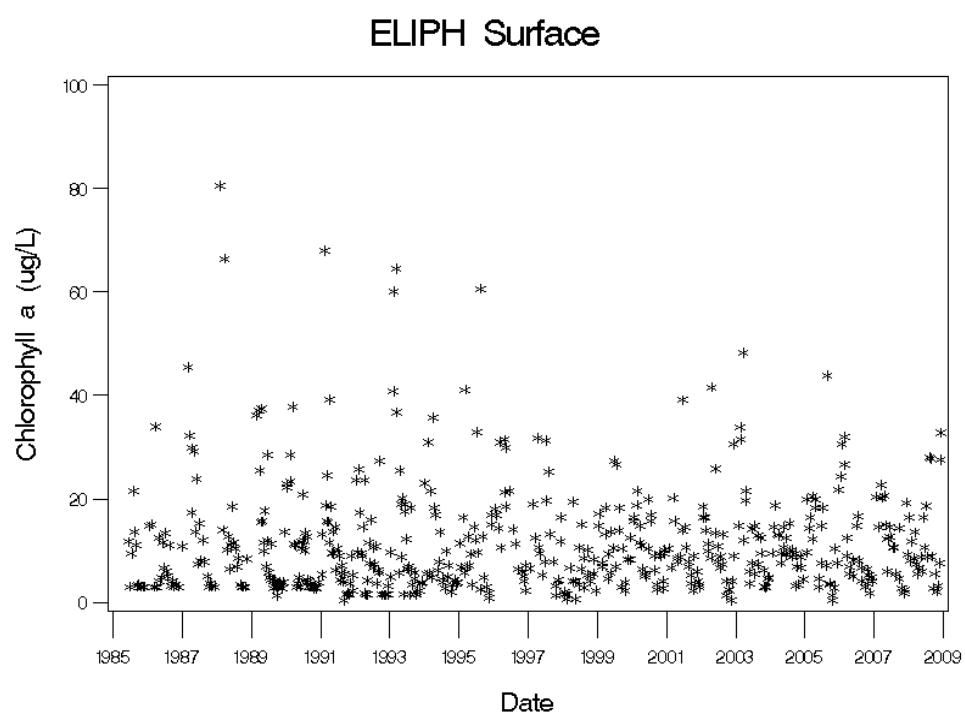


Figure 5. Scatterplot of surface chlorophyll a at segment ELIPH during the period 1985 to 2008.

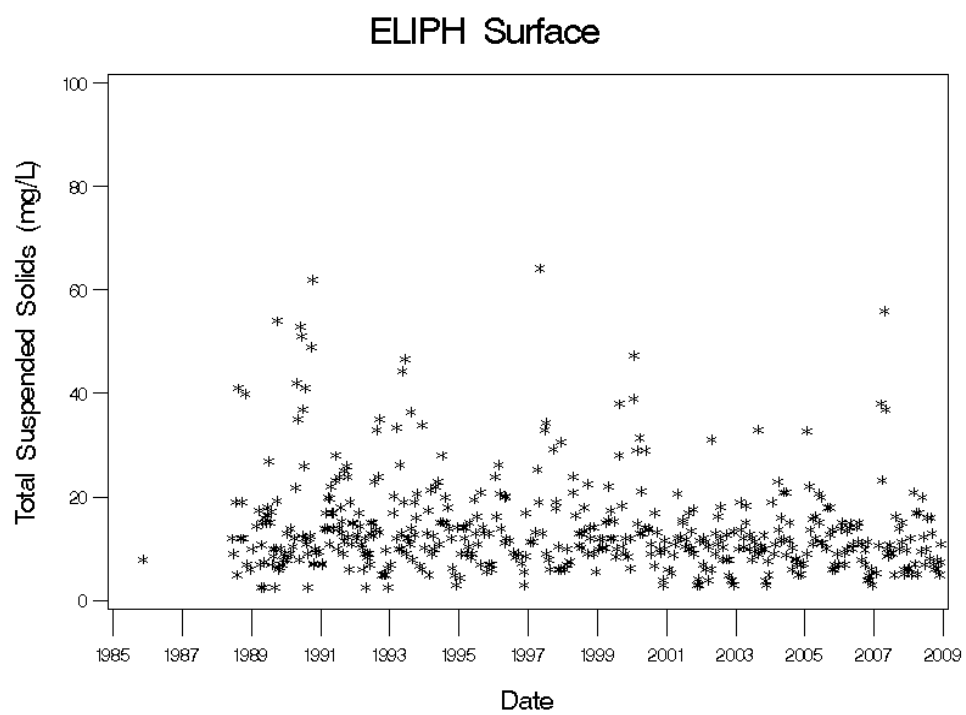


Figure 6. Scatterplot of surface total suspended solids at segment ELIPH during the period 1985 to 2008.

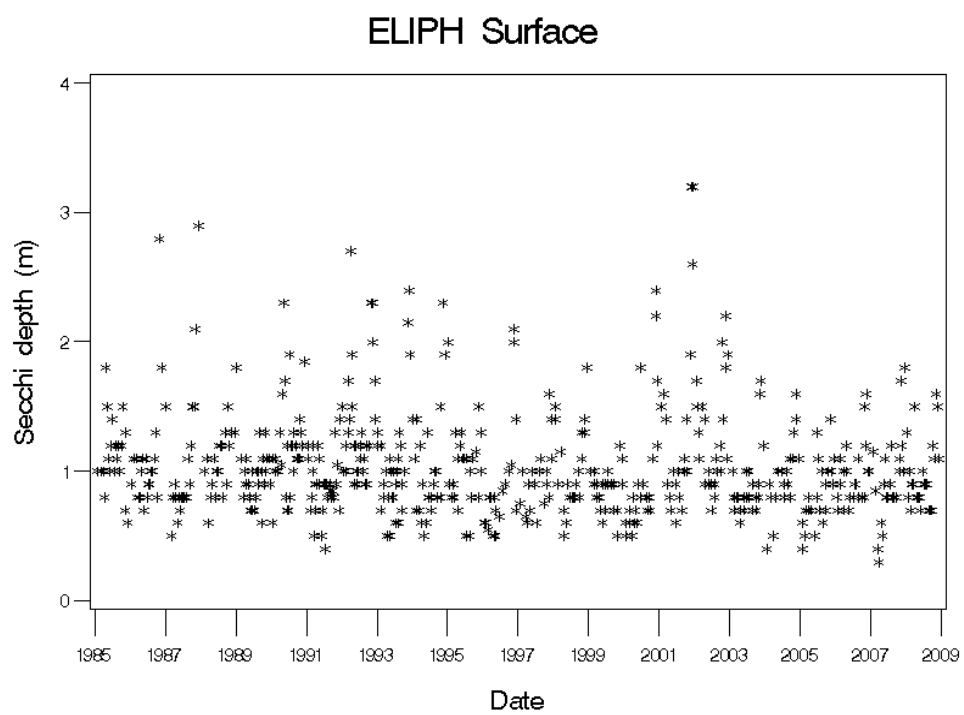


Figure 7. Scatterplot of secchi depth at segment ELIPH during the period 1985 to 2008.

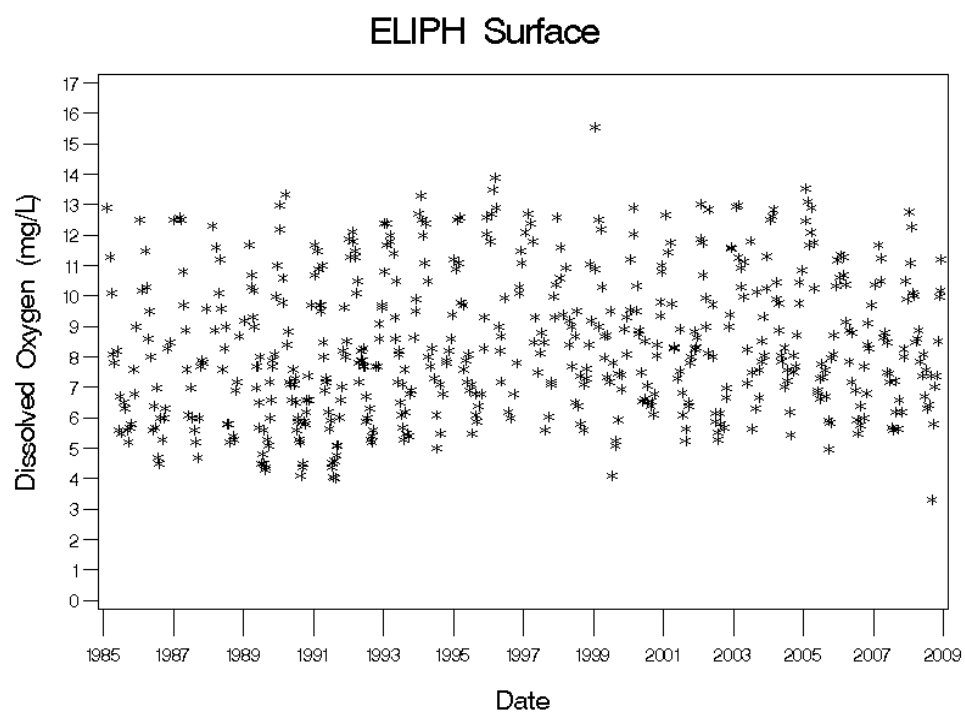


Figure 8. Scatterplot of surface dissolved oxygen at segment ELIPH during the period 1985 to 2008.

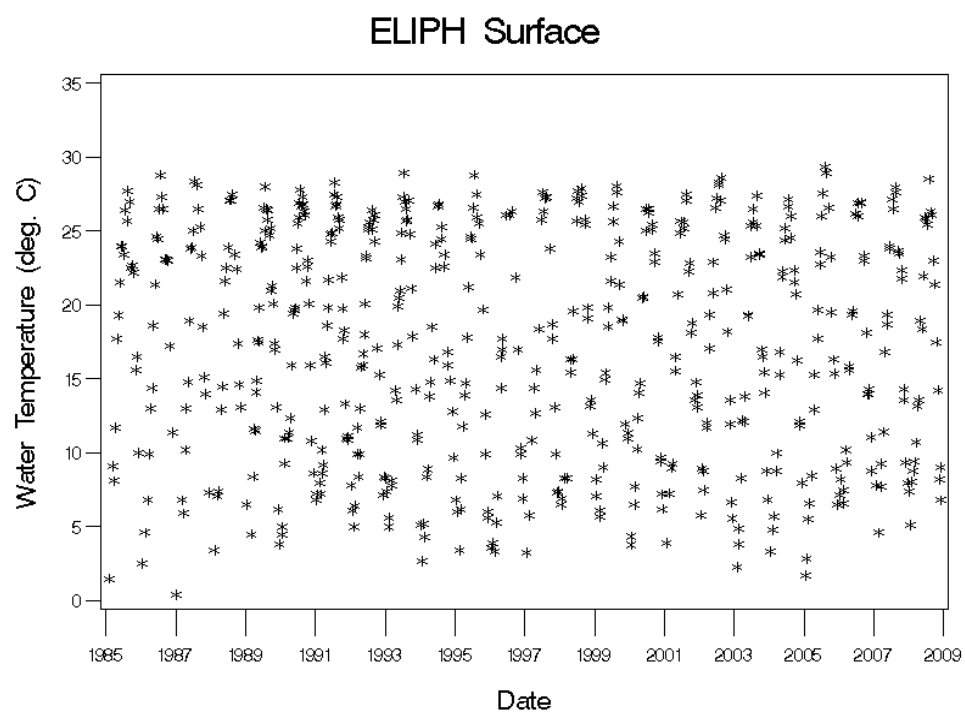


Figure 9. Scatterplot of surface water temperature at segment ELIPH during the period 1985 to 2008.

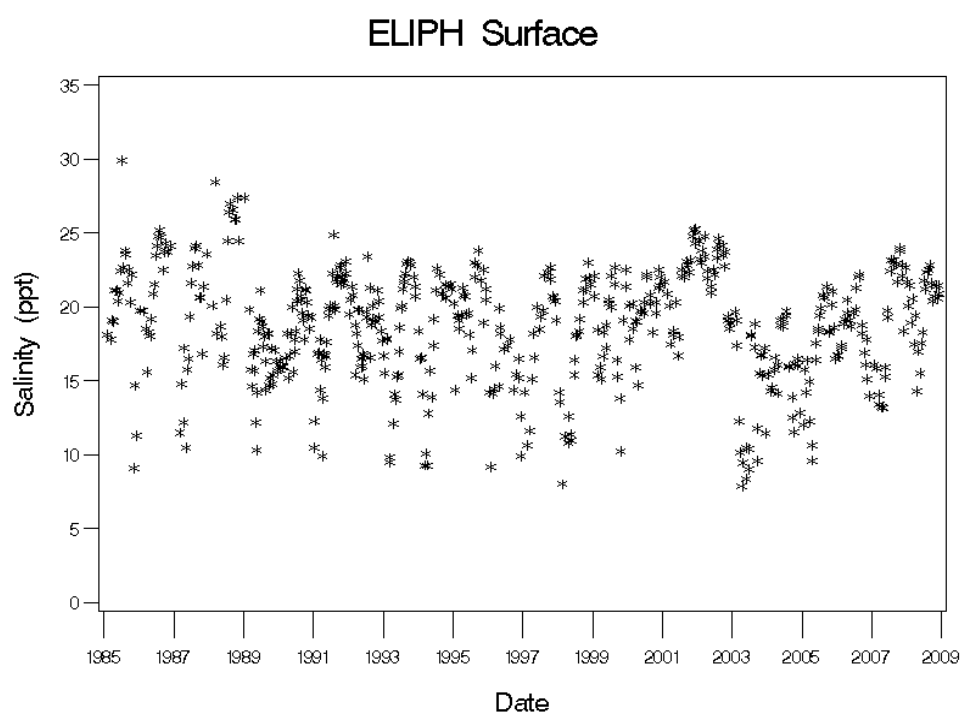
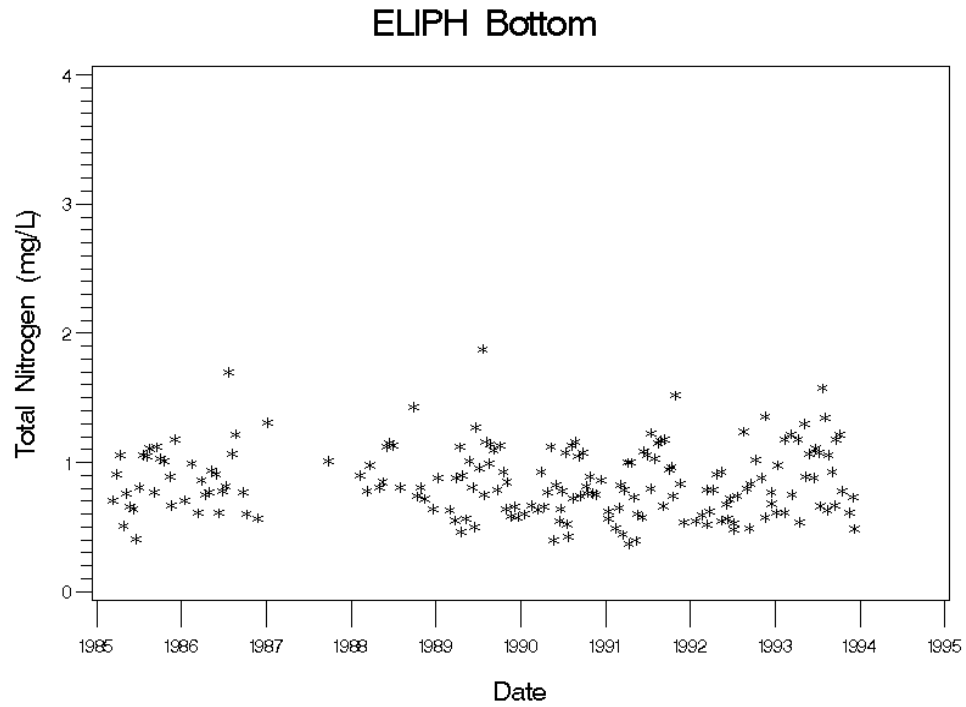


Figure 10. Scatterplot of surface salinity at segment ELIPH during the period 1985 to 2008.

a) Pre-method change period



b) Post-method change period

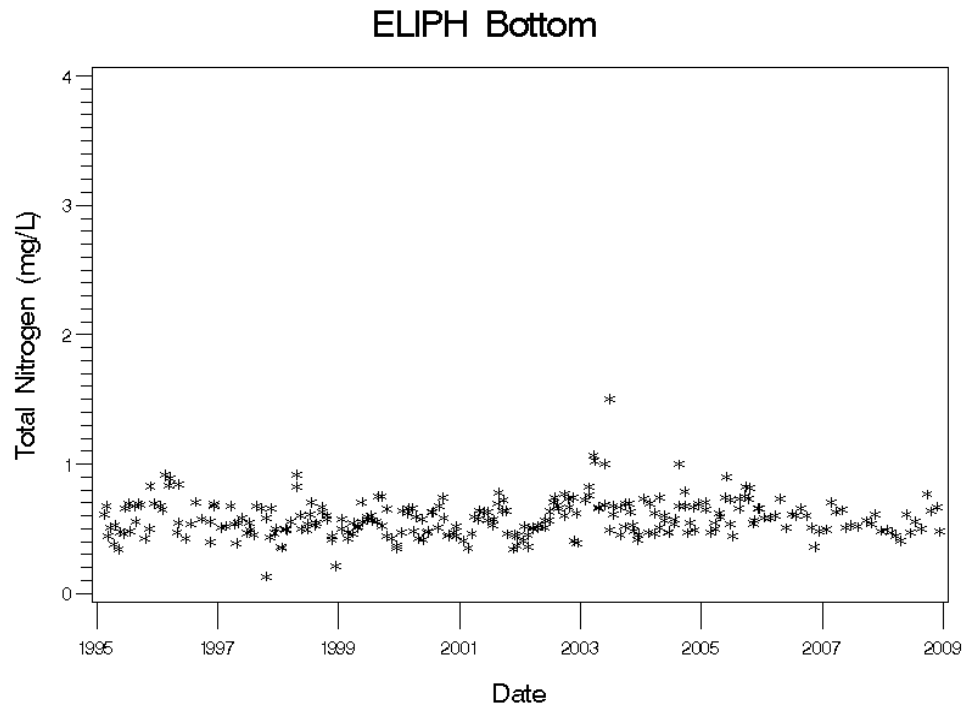
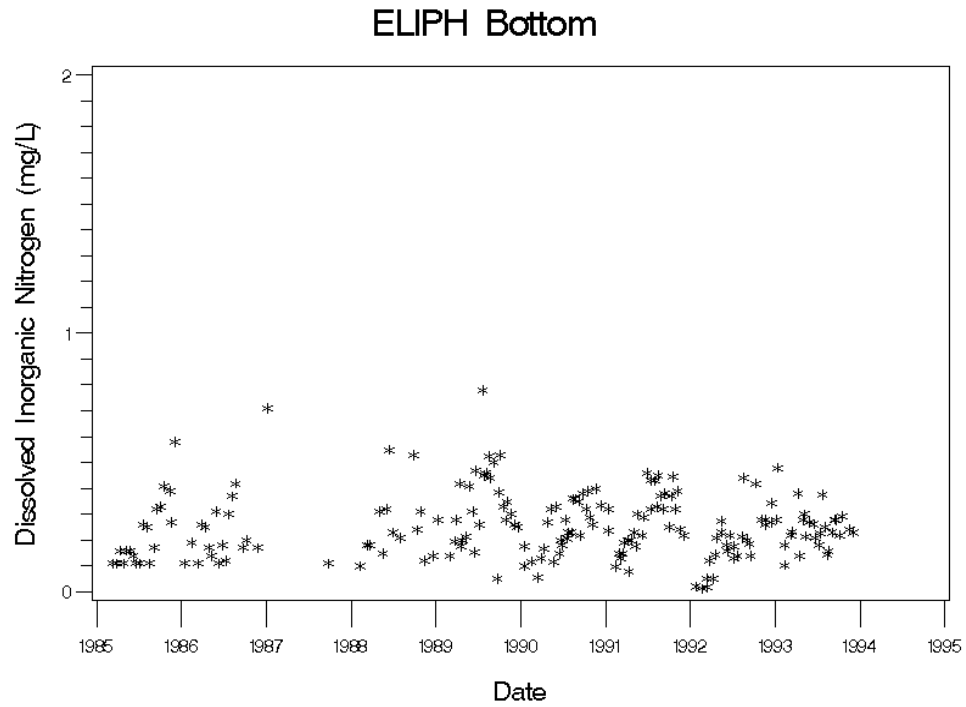


Figure 11. Scatterplots of bottom total nitrogen at segment ELIPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

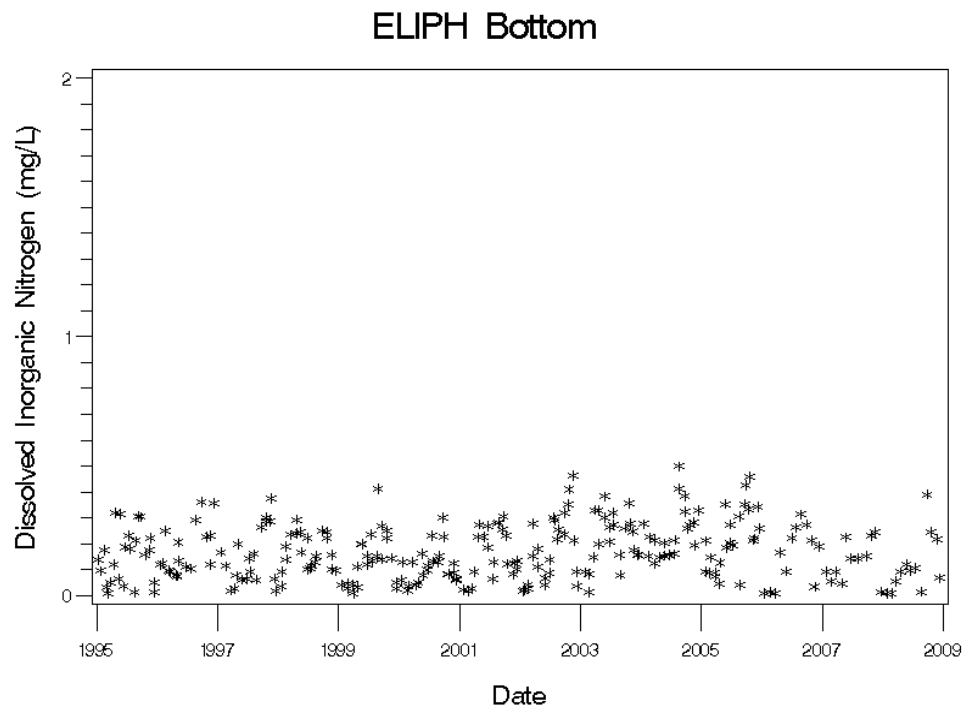
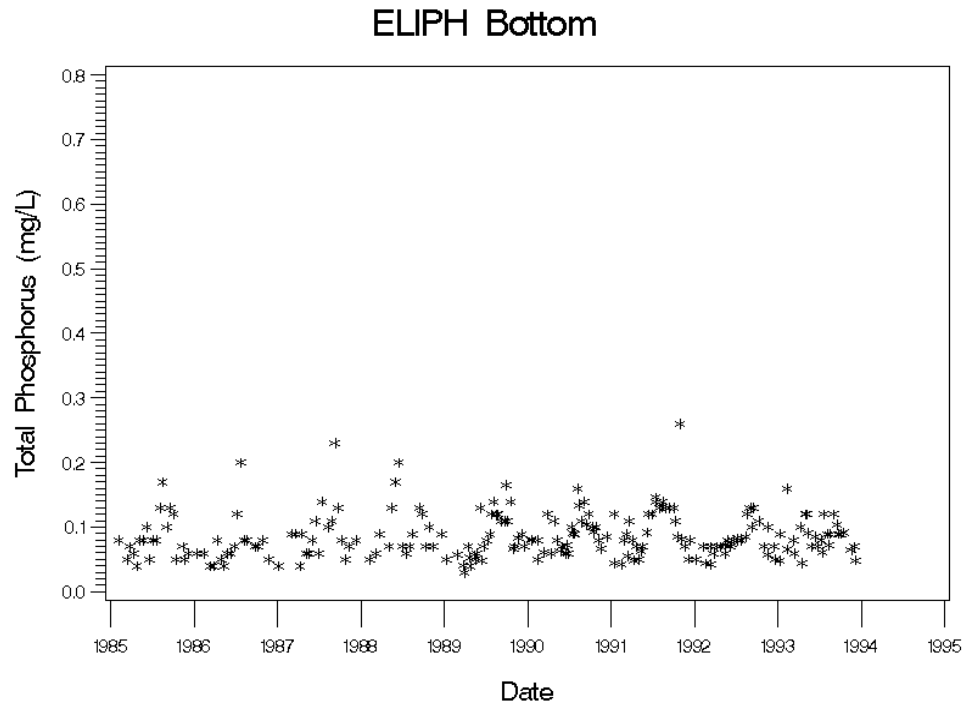


Figure 12. Scatterplots of bottom dissolved inorganic nitrogen at segment ELIPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

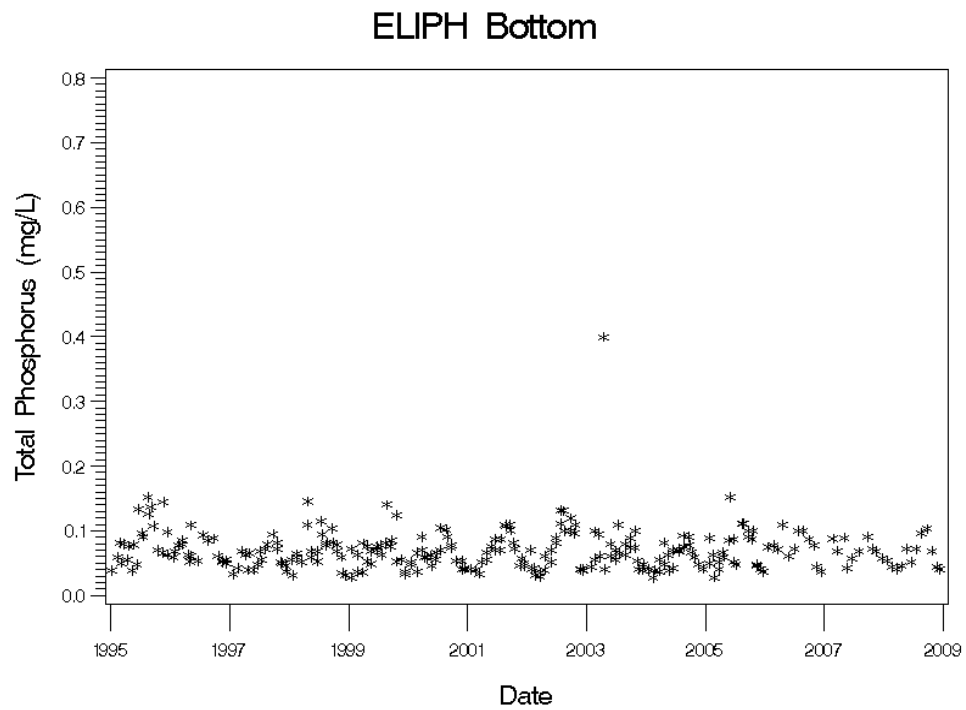
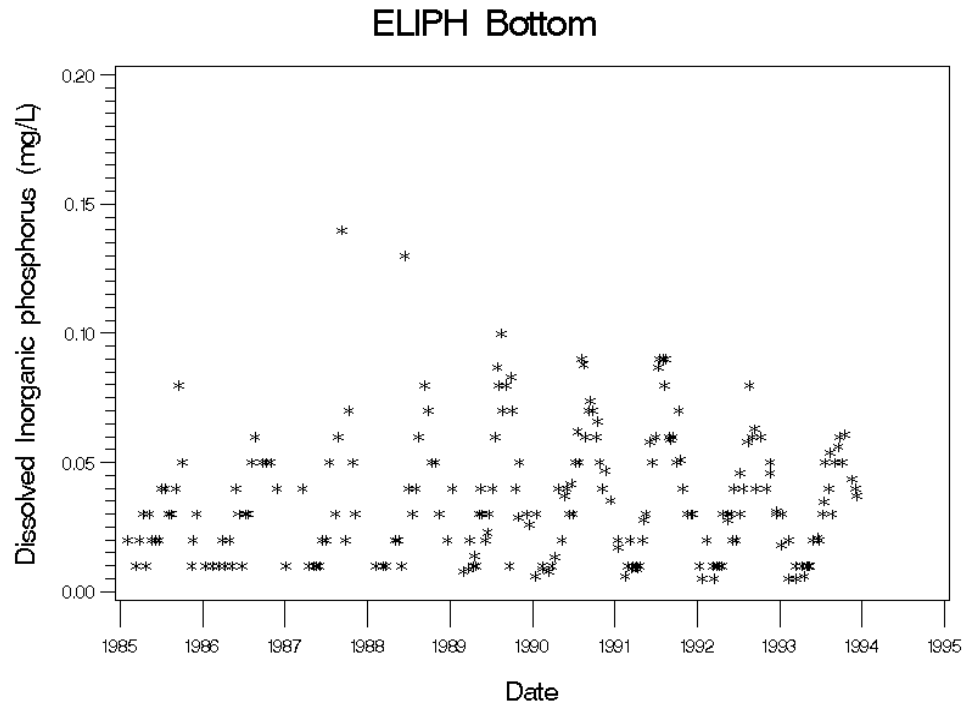


Figure 13. Scatterplots of bottom total phosphorus at segment ELIPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

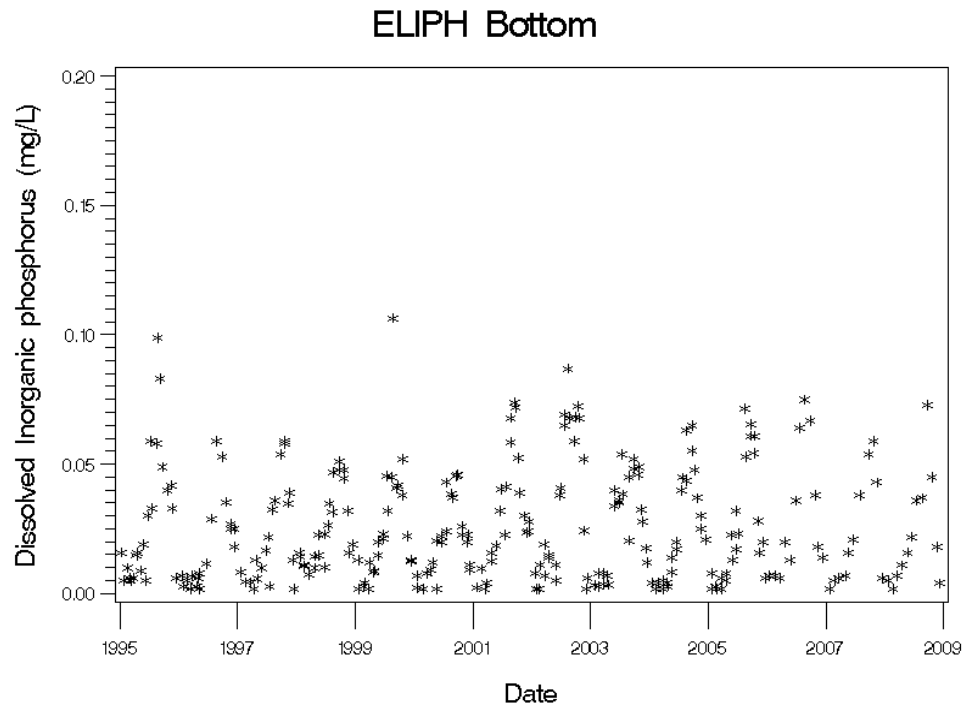


Figure 14. Scatterplots of bottom dissolved inorganic phosphorus at segment ELIPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

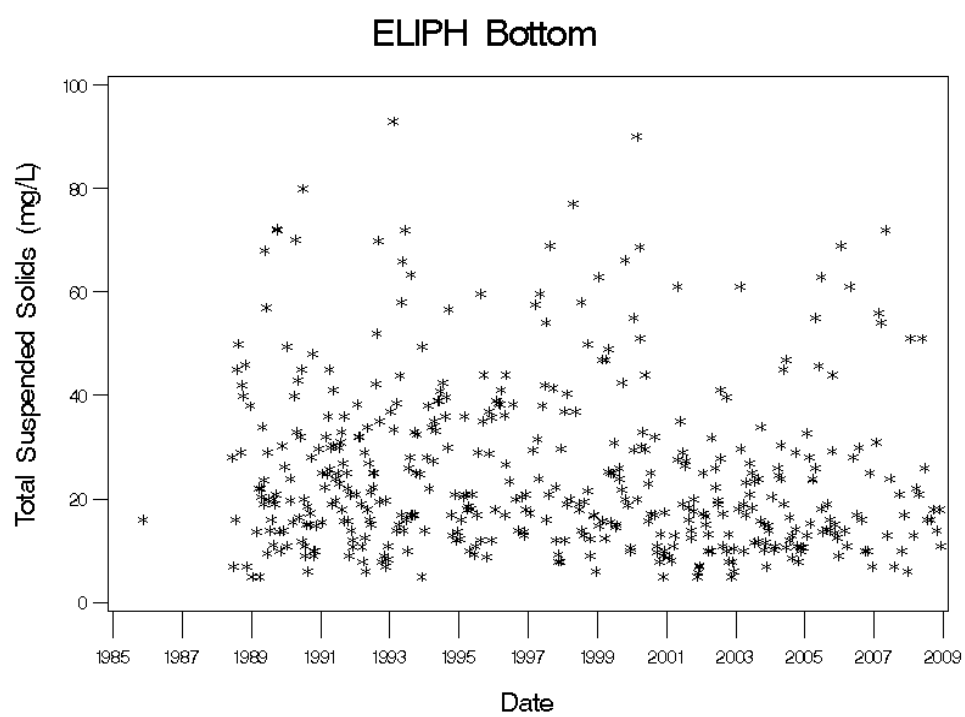


Figure 15. Scatterplot of bottom total suspended solids at segment ELIPH during the period 1985 to 2008.

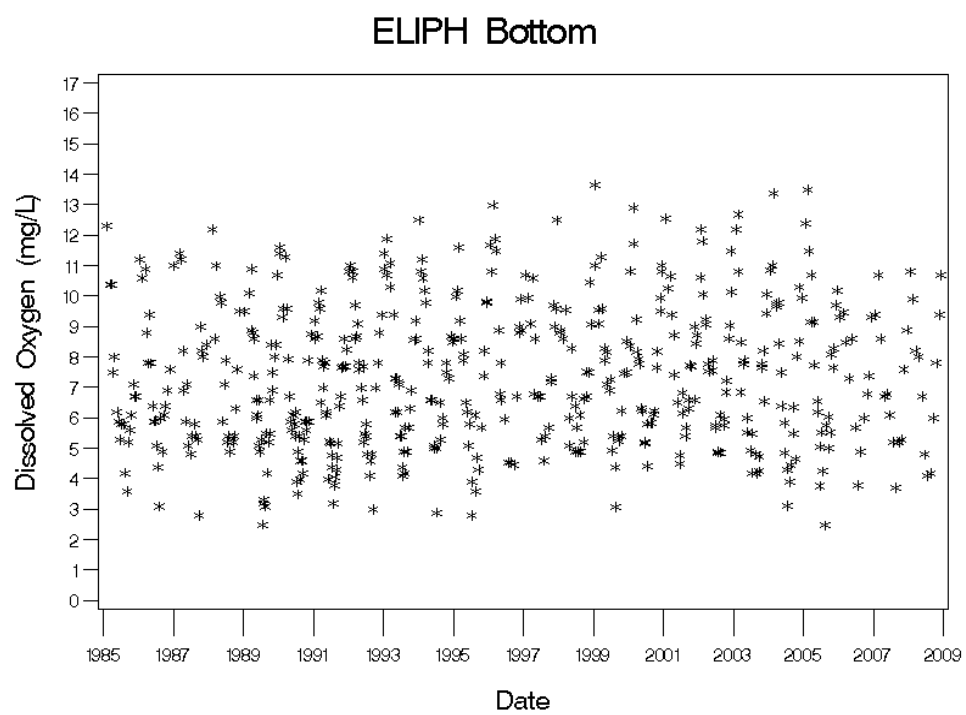


Figure 16. Scatterplot of bottom dissolved oxygen at segment ELIPH during the period 1985 to 2008.

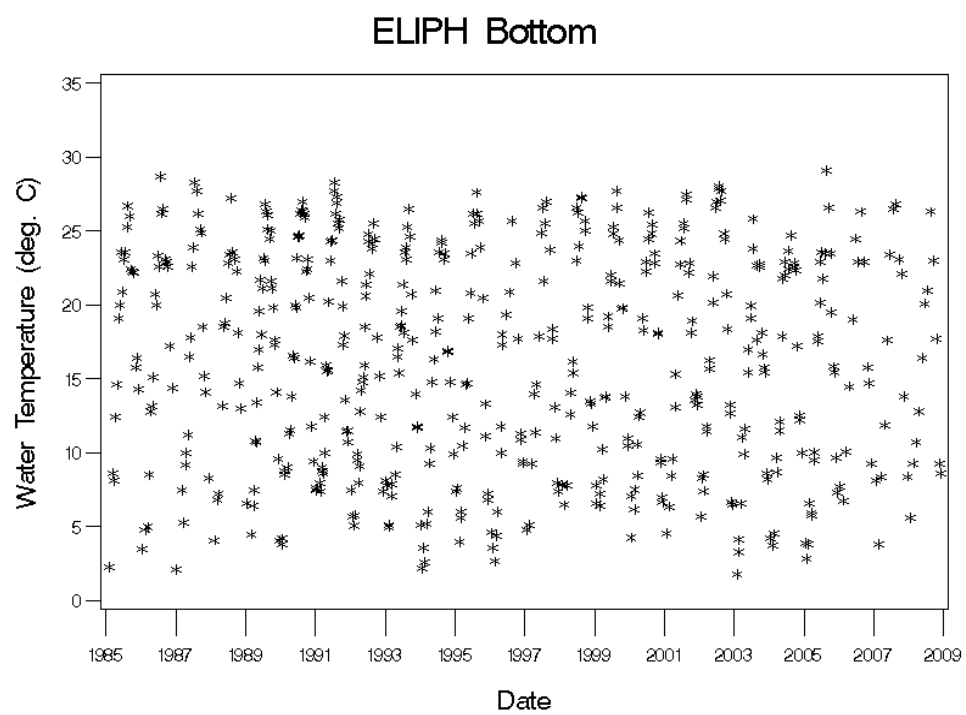


Figure 17. Scatterplot of bottom water temperature at segment ELIPH during the period 1985 to 2008.

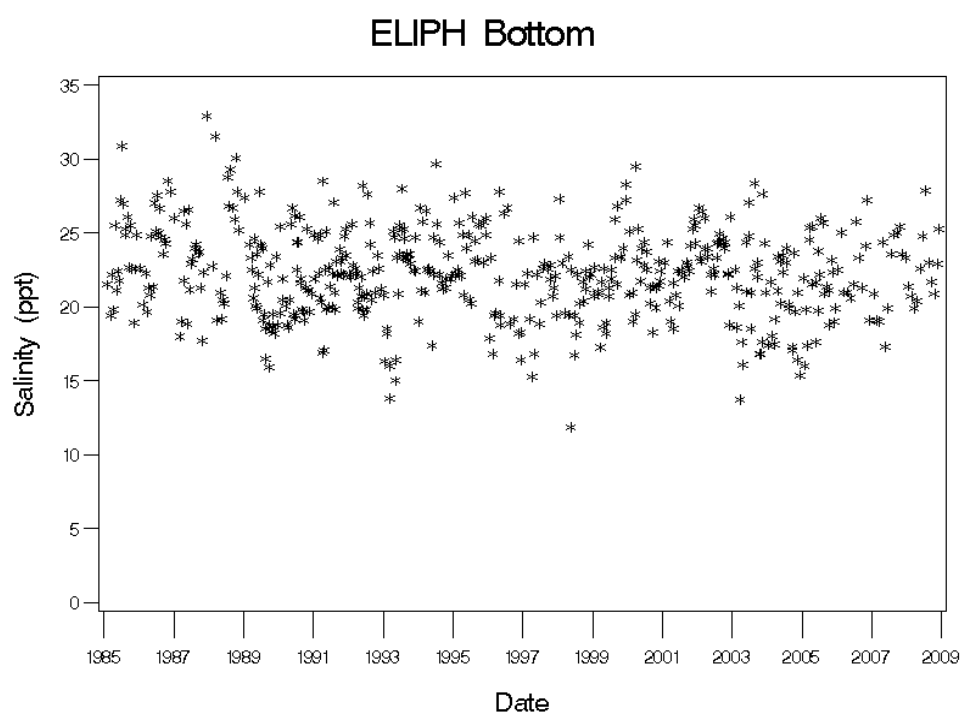


Figure 18. Scatterplot of bottom salinity at segment ELIPH during the period 1985 to 2008.

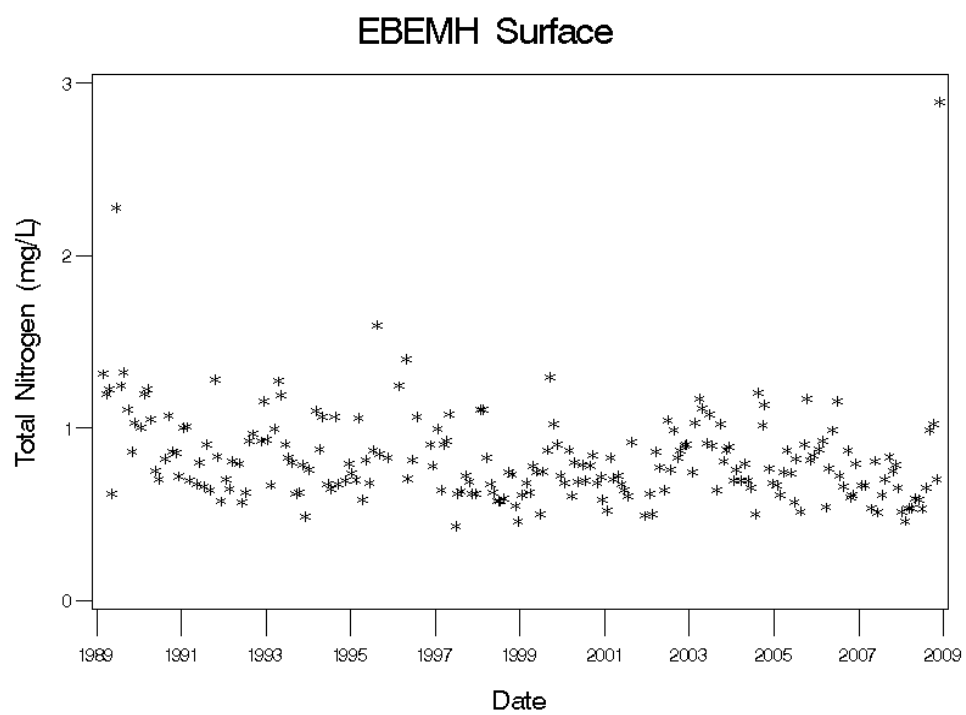


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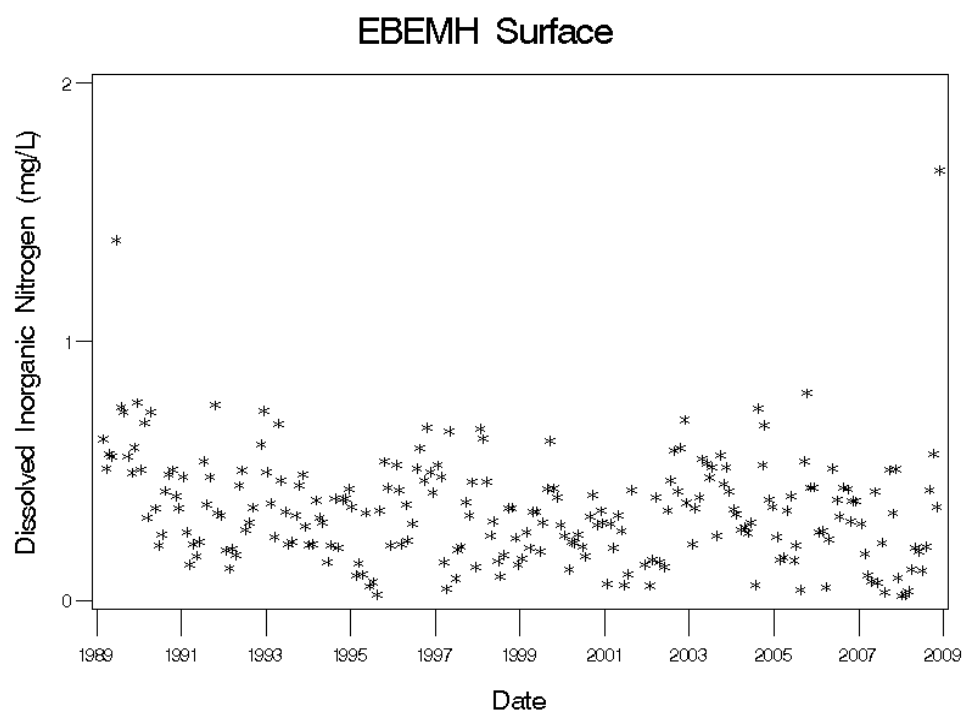


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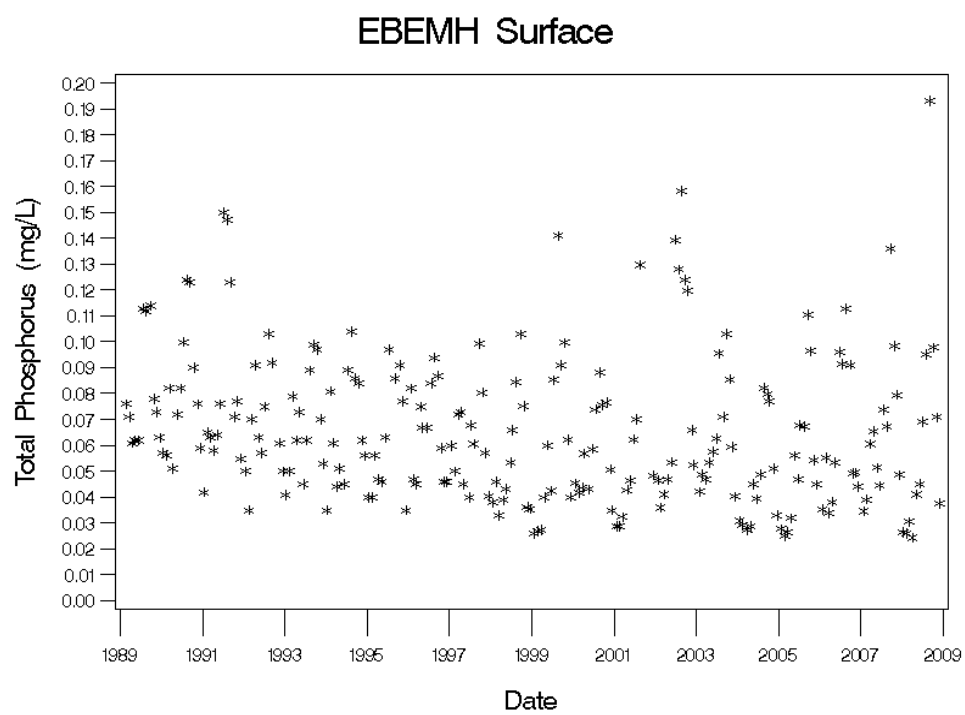


Figure 21. Scatterplots of surface total phosphorus at segment EBEMH during the period of 1989 to 2008.

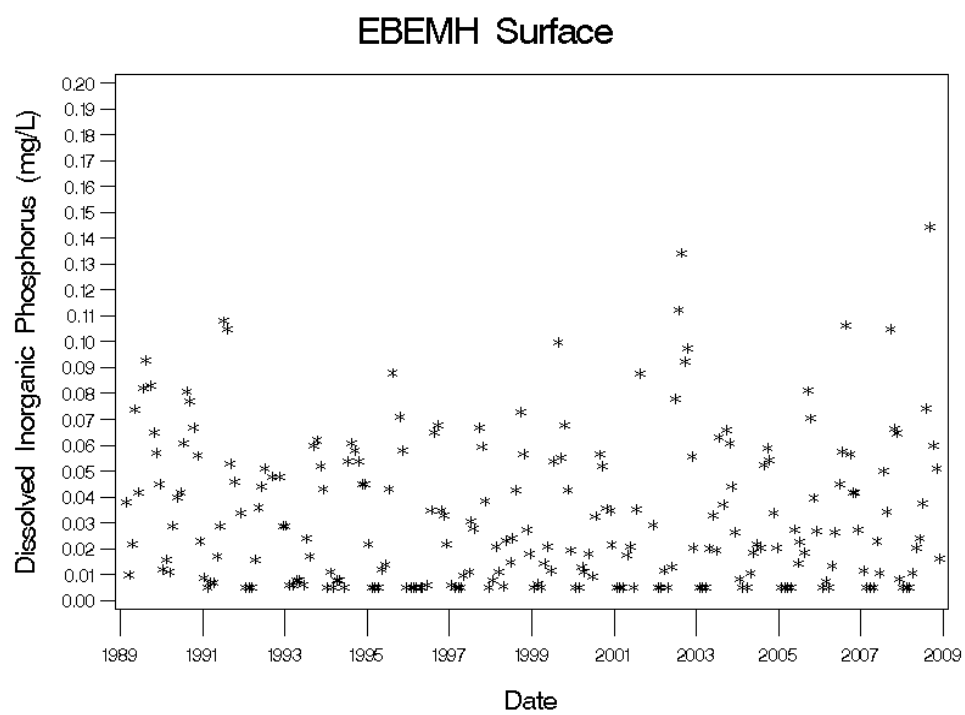


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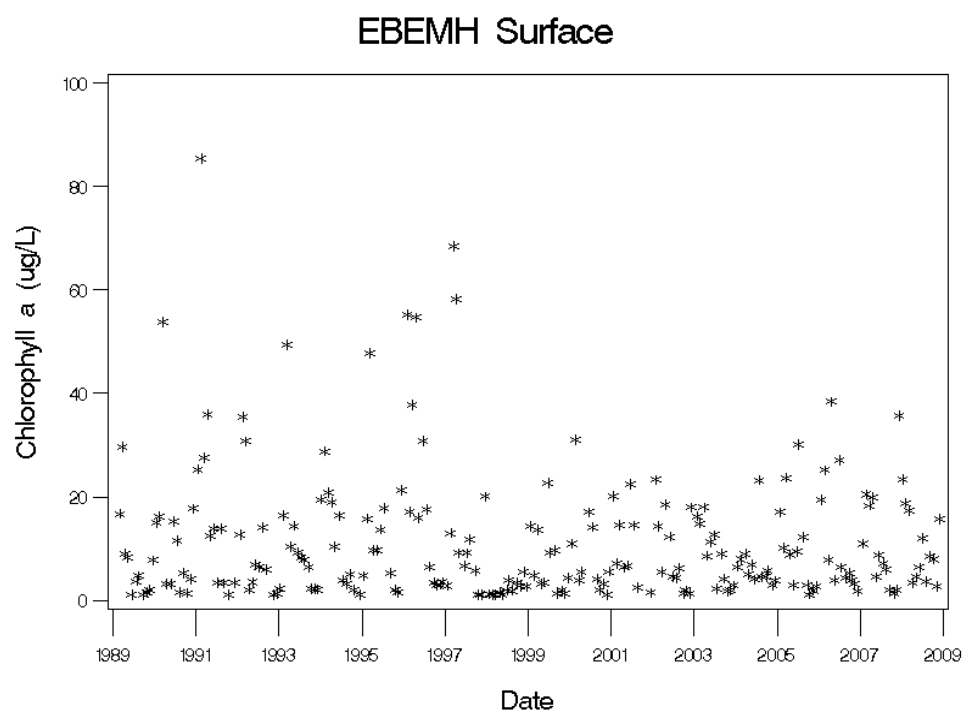


Figure 23. Scatterplot of surface chlorophyll a at segment EBEMH during the period 1985 to 2008.

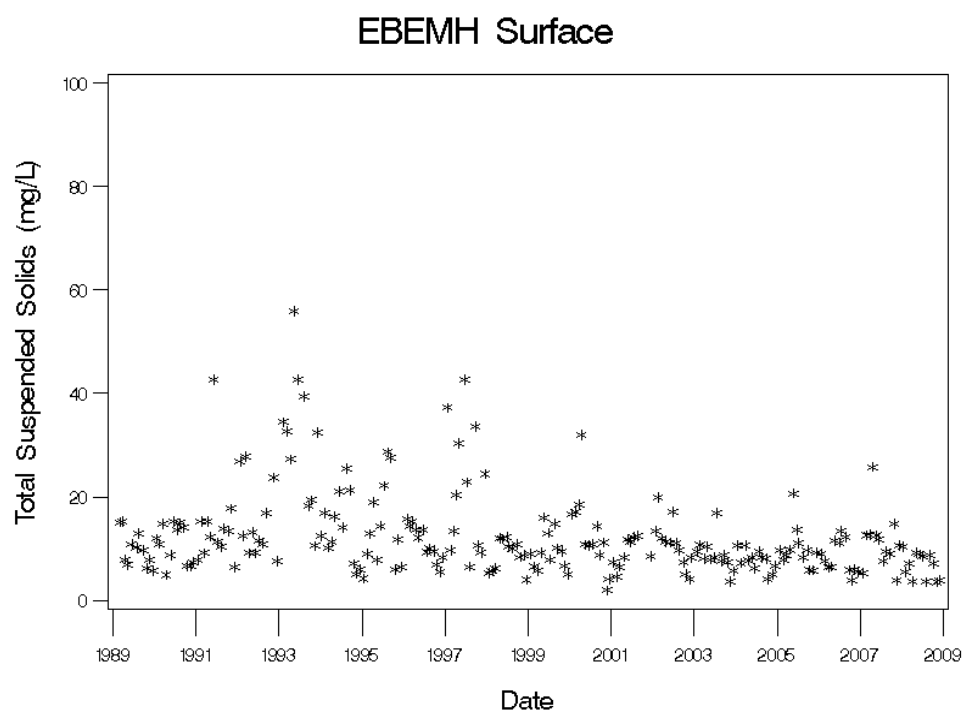


Figure 24. Scatterplot of surface total suspended solids at segment EBEMH during the period 1985 to 2008.

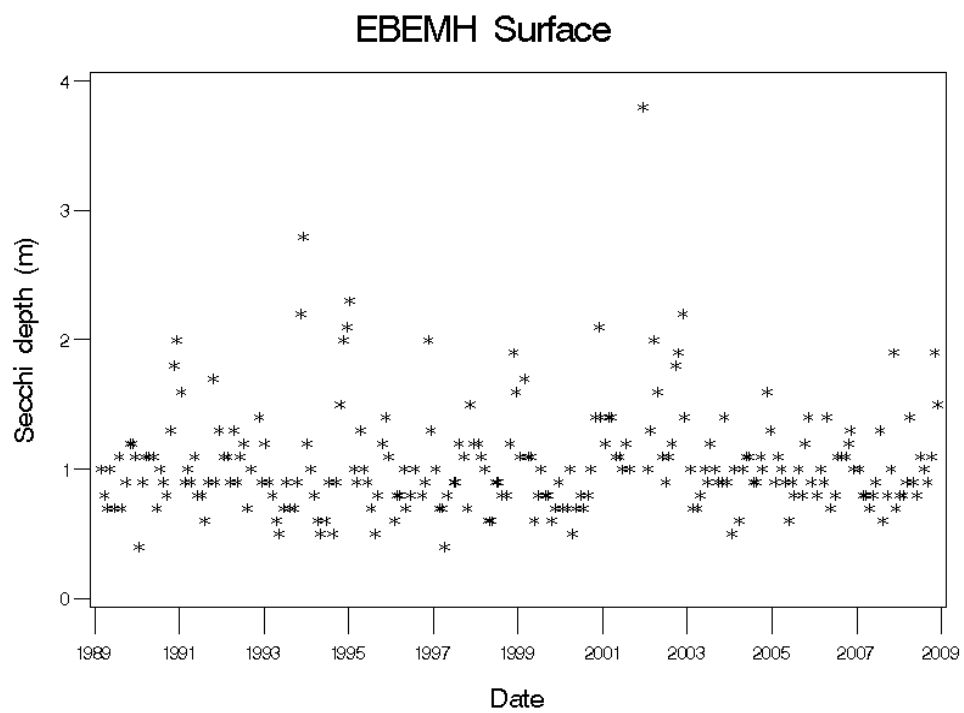


Figure 25. Scatterplot of secchi depth at segment EBEMH during the period 1989 through 2008.

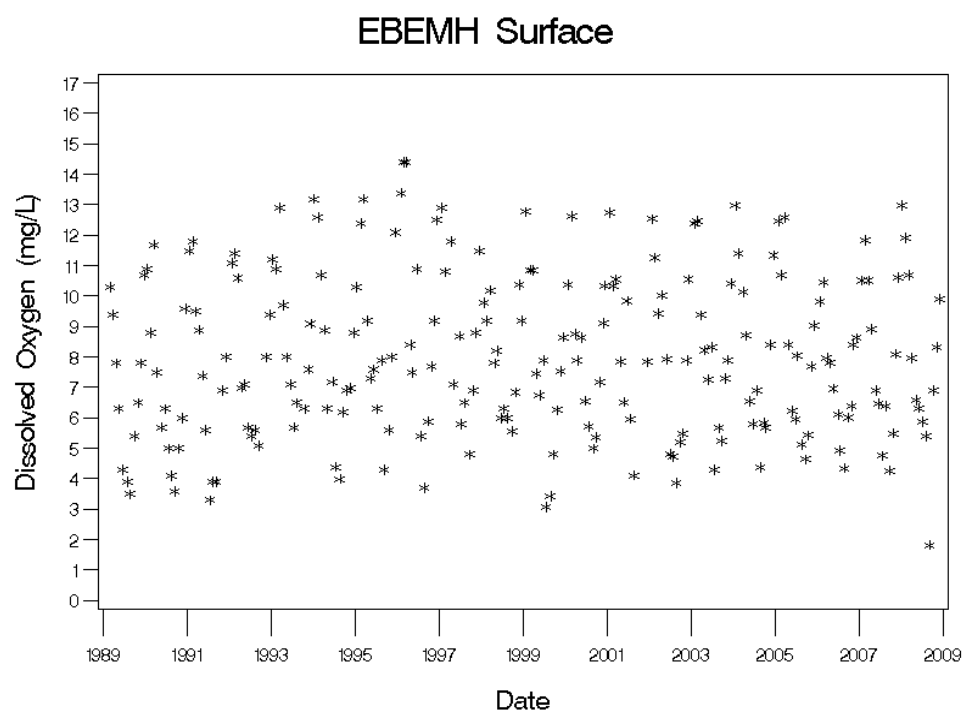


Figure 26. Scatterplot of surface dissolved oxygen at segment EBEMH during the period 1985 to 2008.

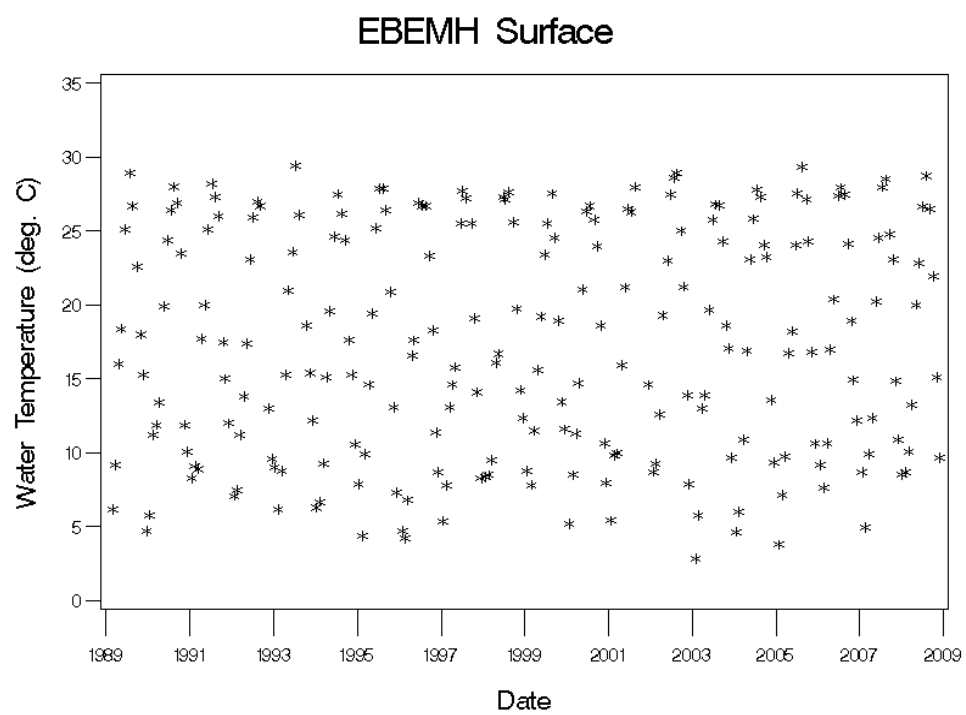


Figure 27. Scatterplot of surface water temperature at segment EBEMH during the period 1985 to 2008.

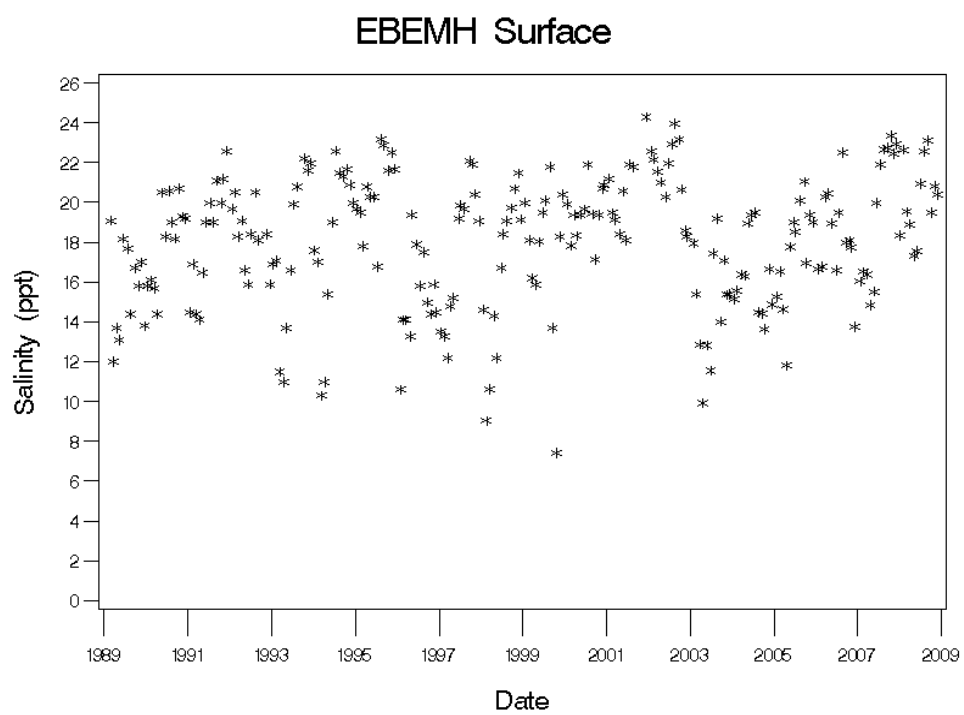


Figure 28. Scatterplot of surface salinity at segment EBEMH during the period 1985 to 2008.

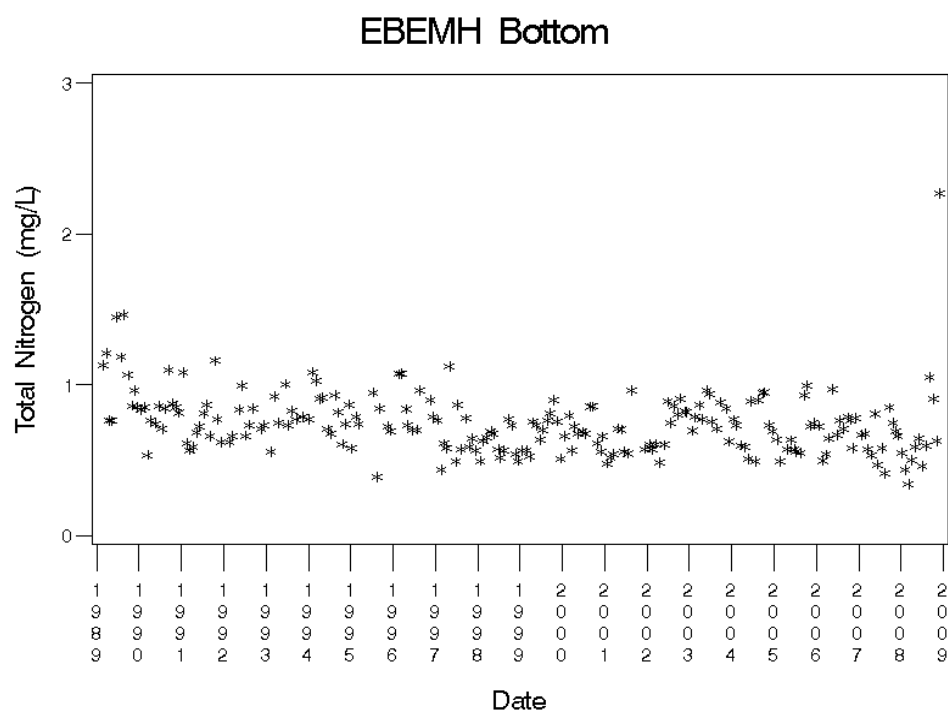


Figure 29. Scatterplots of bottom total nitrogen at segment EBEMH during the period of 1989 to 2008.

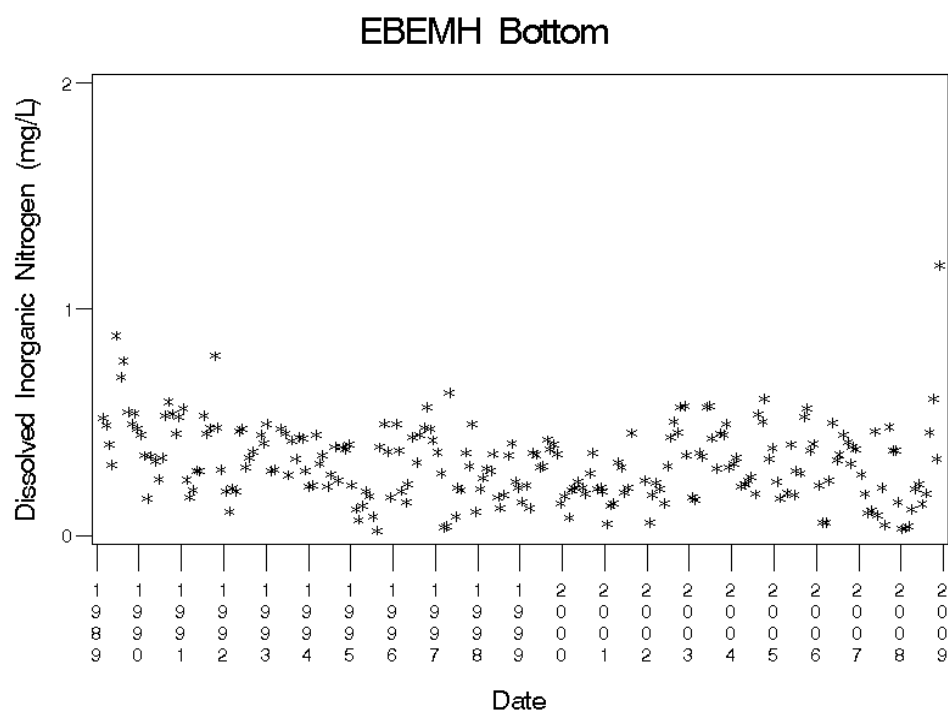


Figure 30. Scatterplots of bottom dissolved inorganic nitrogen at segment EBEMH during the period of 1989 to 2008.

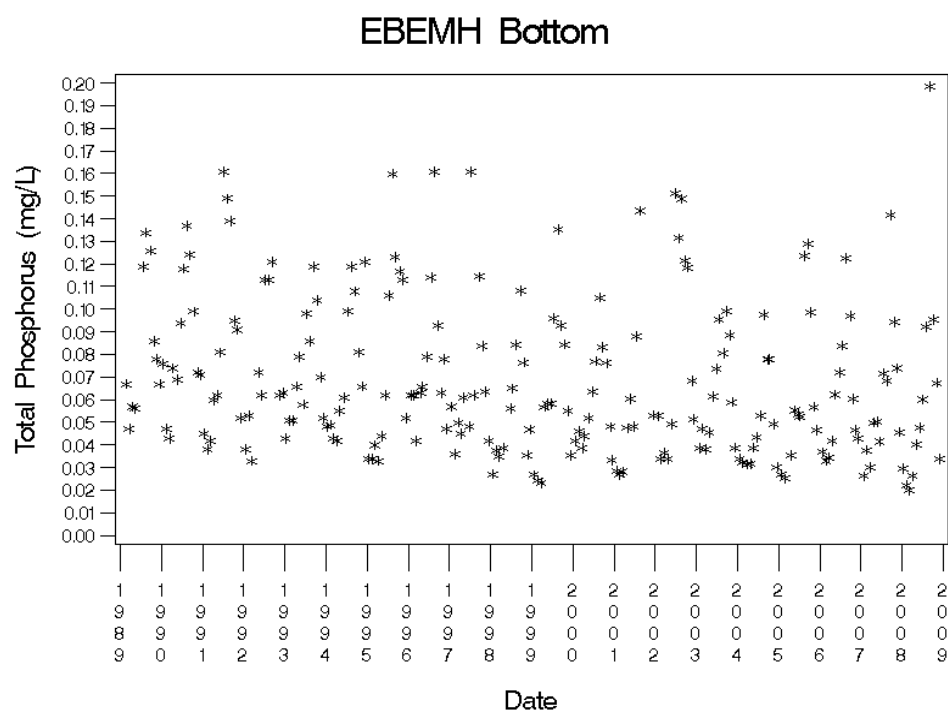


Figure 31. Scatterplots of bottom total phosphorus at segment EBEMH during the period of 1989 to 2008.

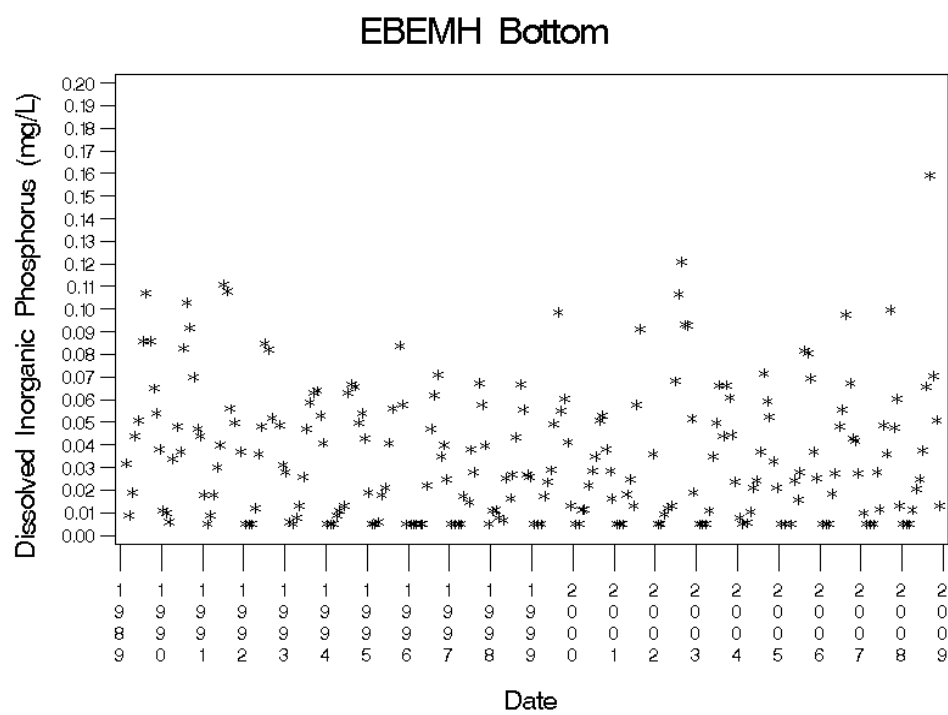


Figure 32. Scatterplots of bottom dissolved inorganic phosphorus at segment EBEMH during the period of 1989 to 2008.

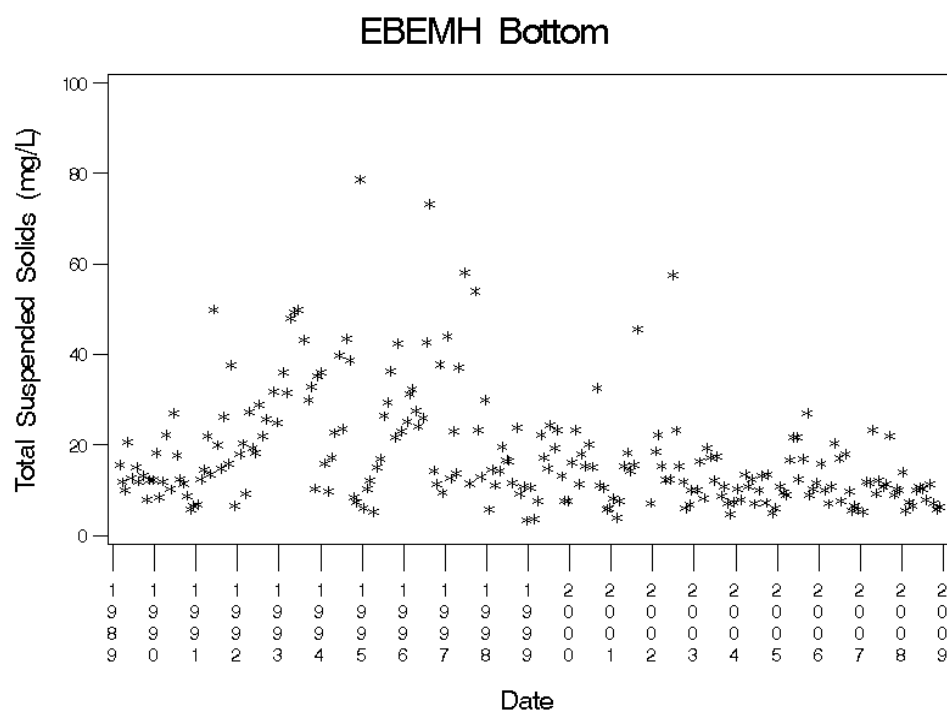


Figure 33. Scatterplot of bottom total suspended solids at segment EBEMH during the period 1985 to 2008.

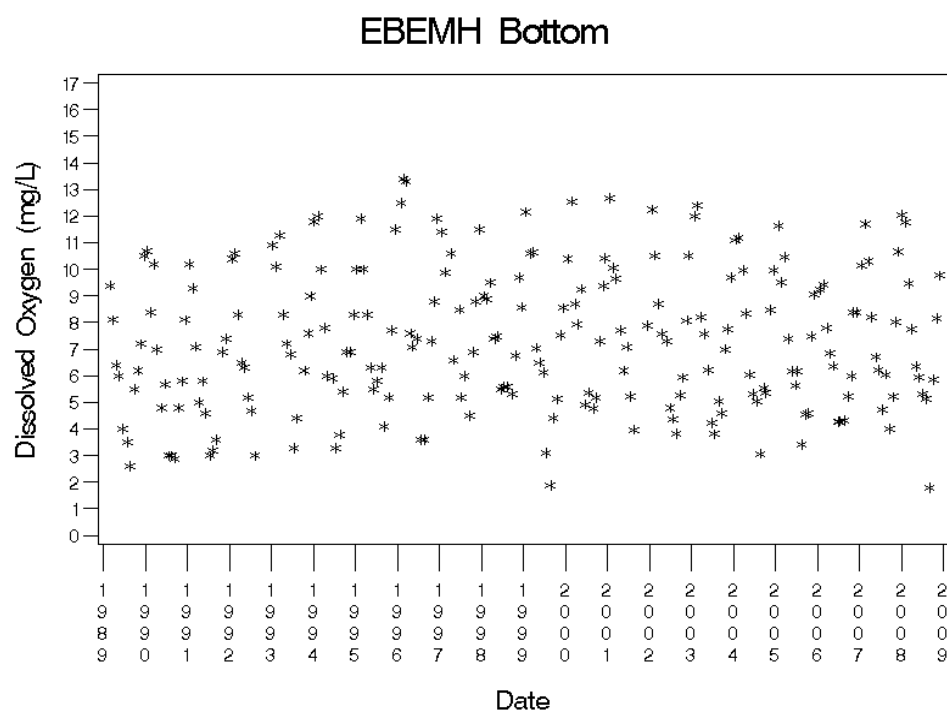


Figure 34. Scatterplot of bottom dissolved oxygen at segment EBEMH during the period 1985 to 2008.

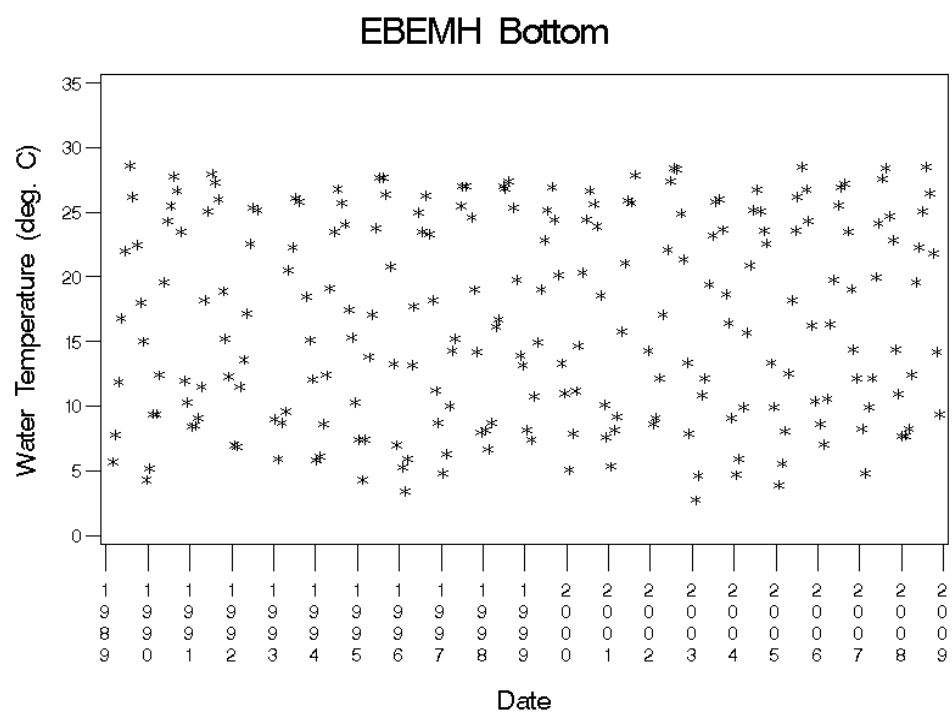


Figure 35. Scatterplot of bottom water temperature at segment EBEMH during the period 1985 to 2008.

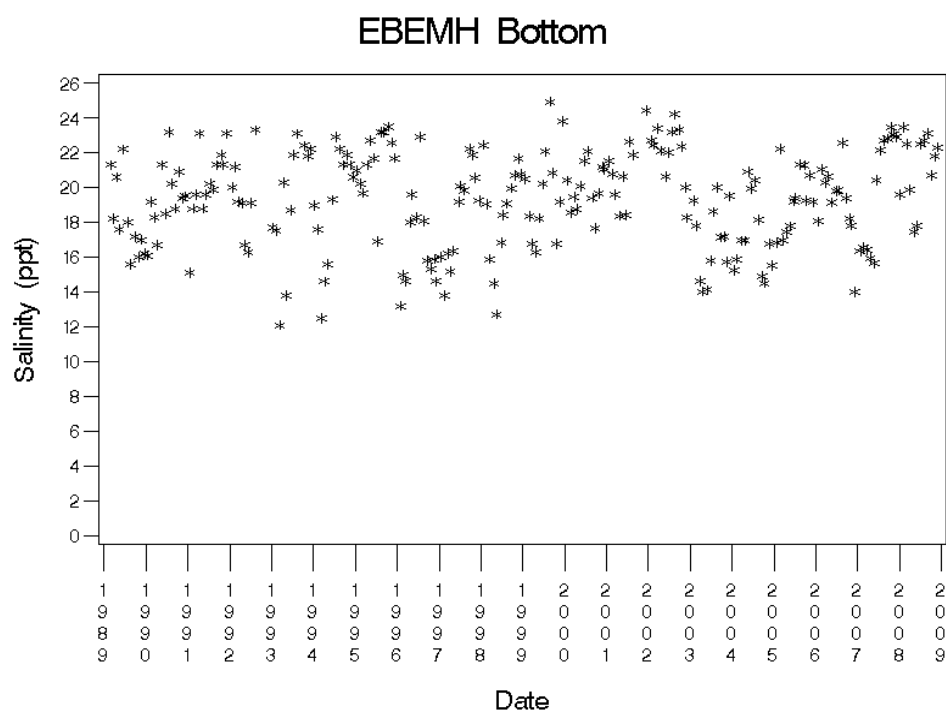


Figure 36. Scatterplot of bottom salinity at segment EBEMH during the period 1985 to 2008.

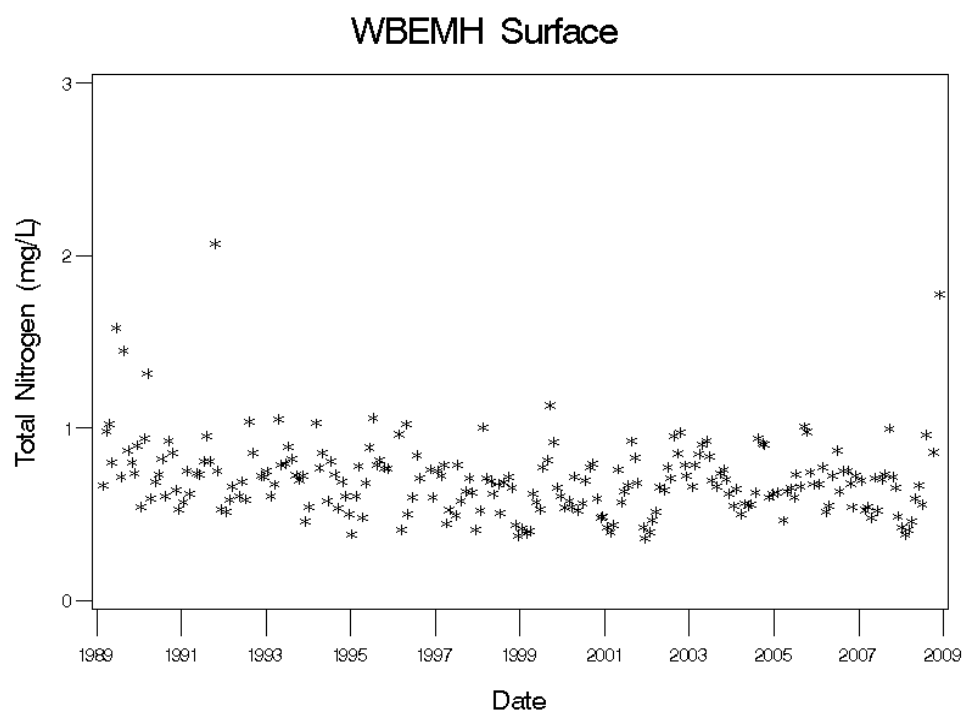


Figure 37. Scatterplots of surface total nitrogen at segment WBEMH during the period of 1989 to 2008.

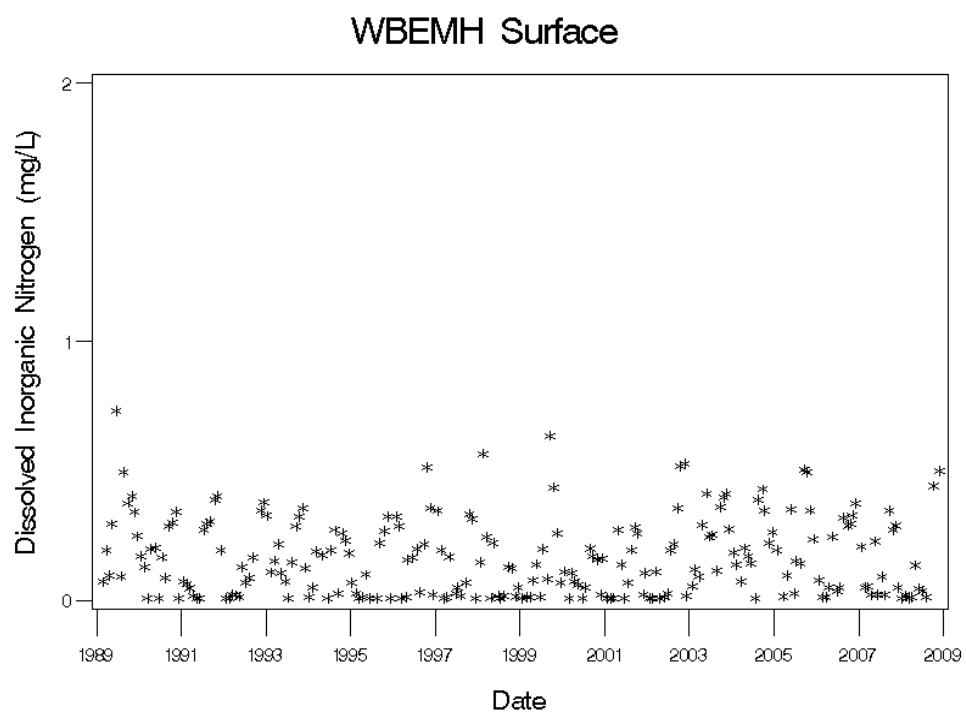


Figure 38. Scatterplots of surface dissolved inorganic nitrogen at segment WBEMH during the period of 1989 to 2008.

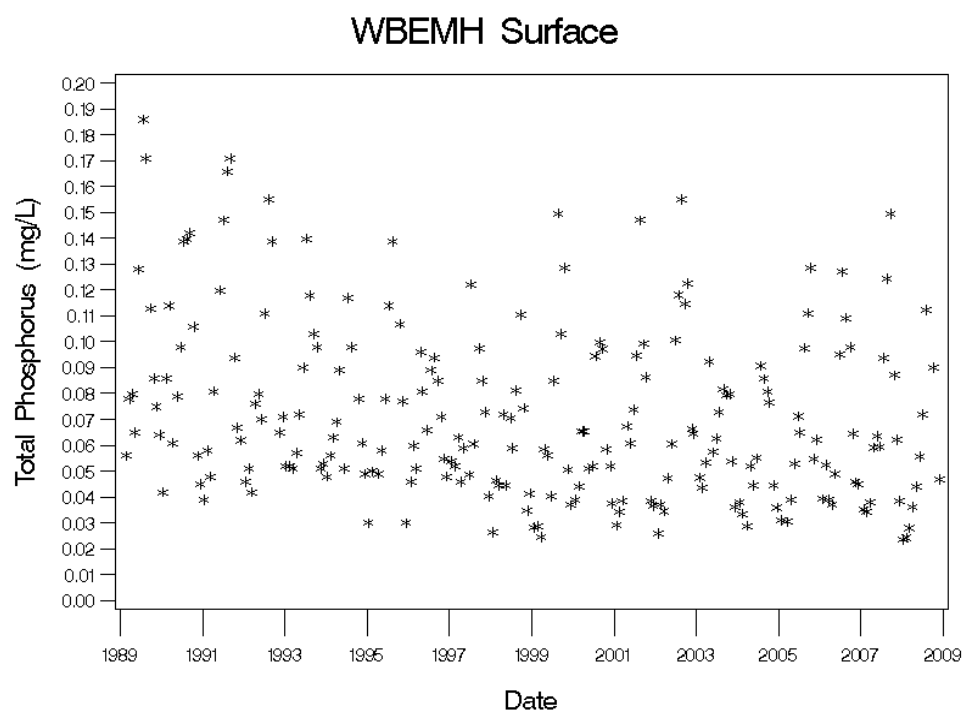


Figure 39. Scatterplots of surface total phosphorus at segment WBEMH during the period of 1989 to 2008.

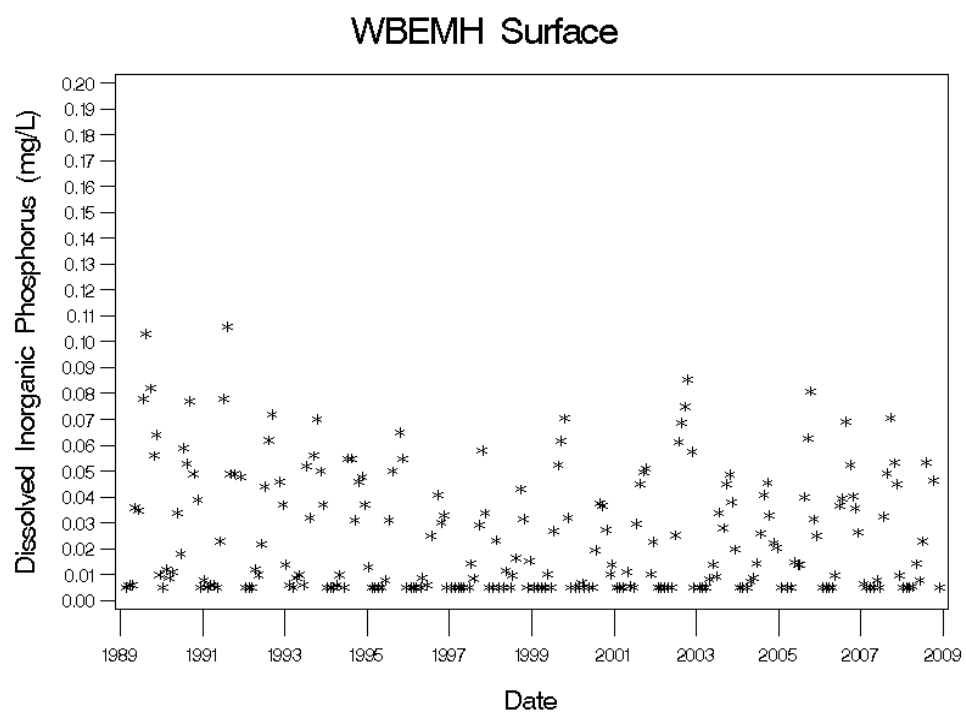


Figure 40. Scatterplots of surface dissolved inorganic phosphorus at segment WBEMH during the period of 1989 to 2008.

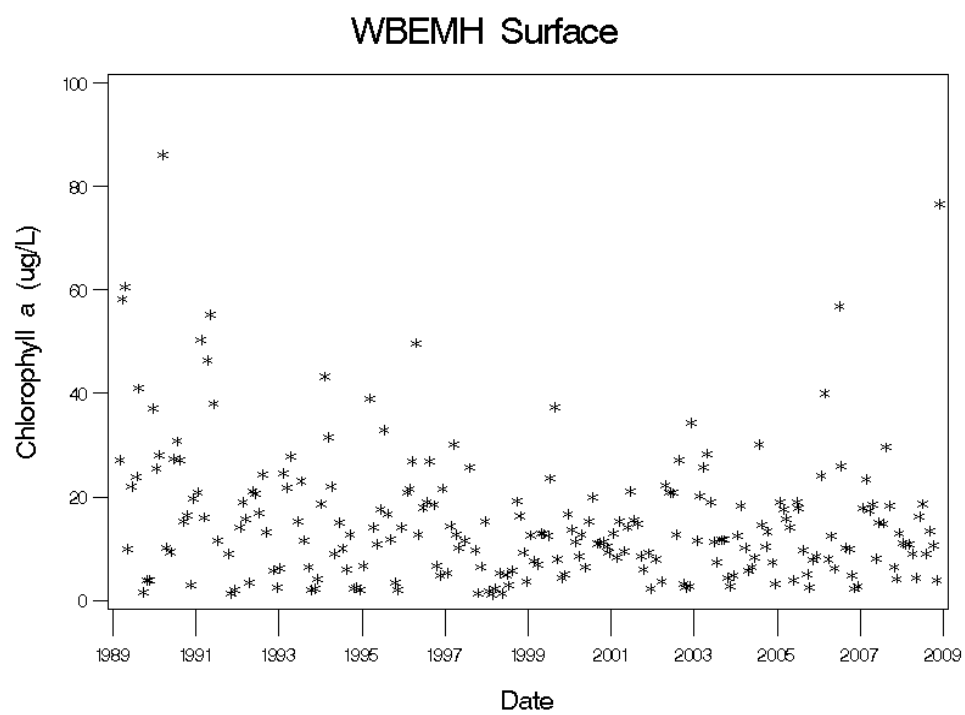


Figure 41. Scatterplot of surface chlorophyll a at segment WBEMH during the period 1985 to 2008.

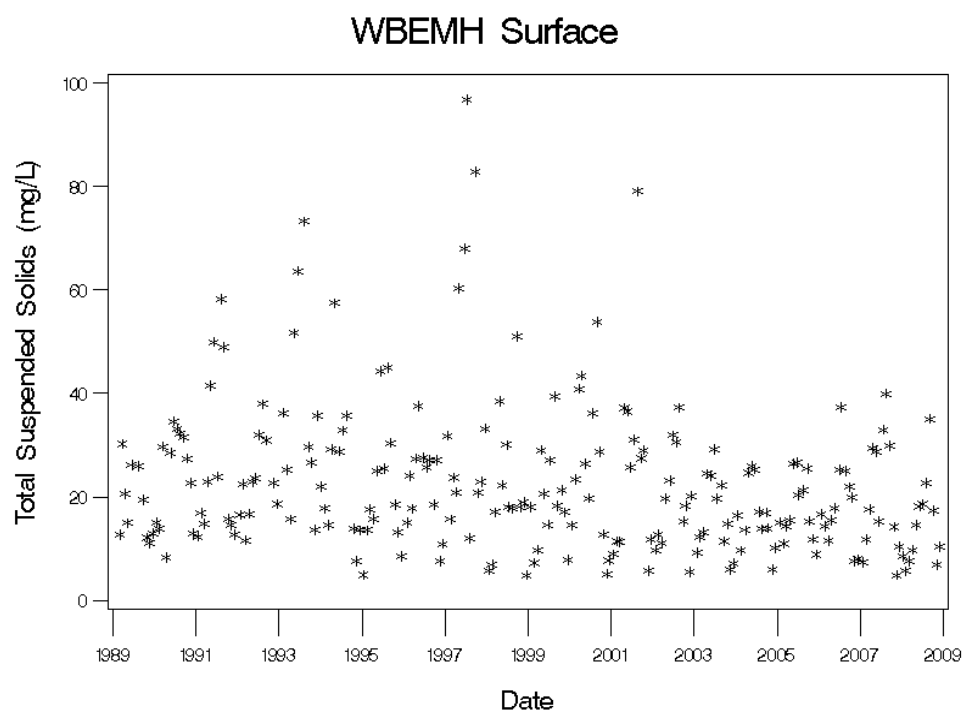


Figure 42. Scatterplot of surface total suspended solids at segment WBEMH during the period 1985 to 2008.

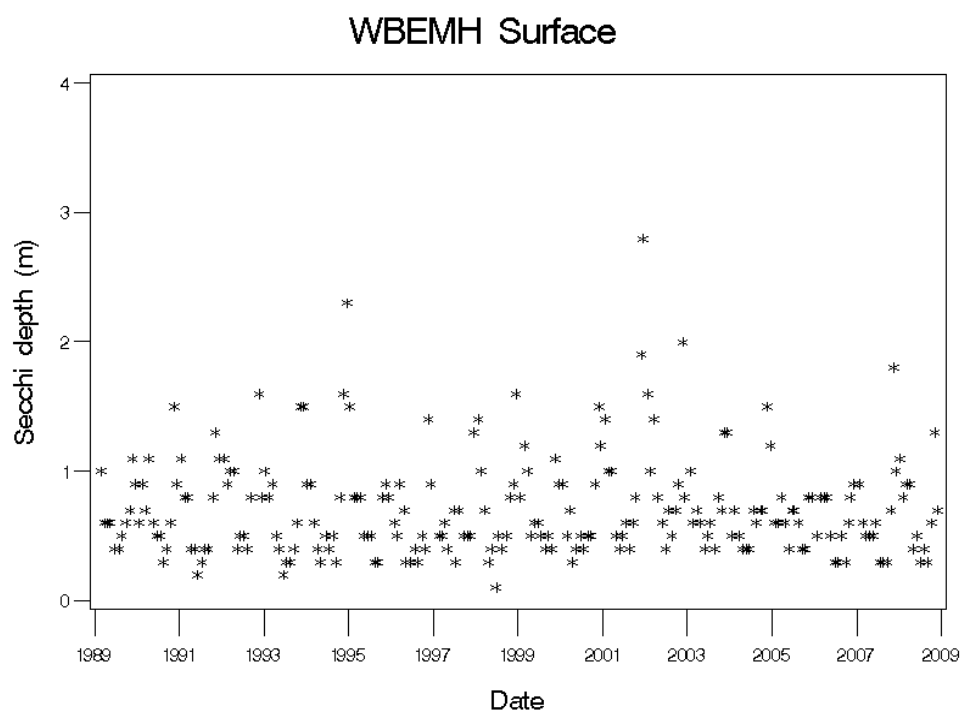


Figure 43. Scatterplot of secchi depth at segment WBEMH during the period 1989 through 2008.

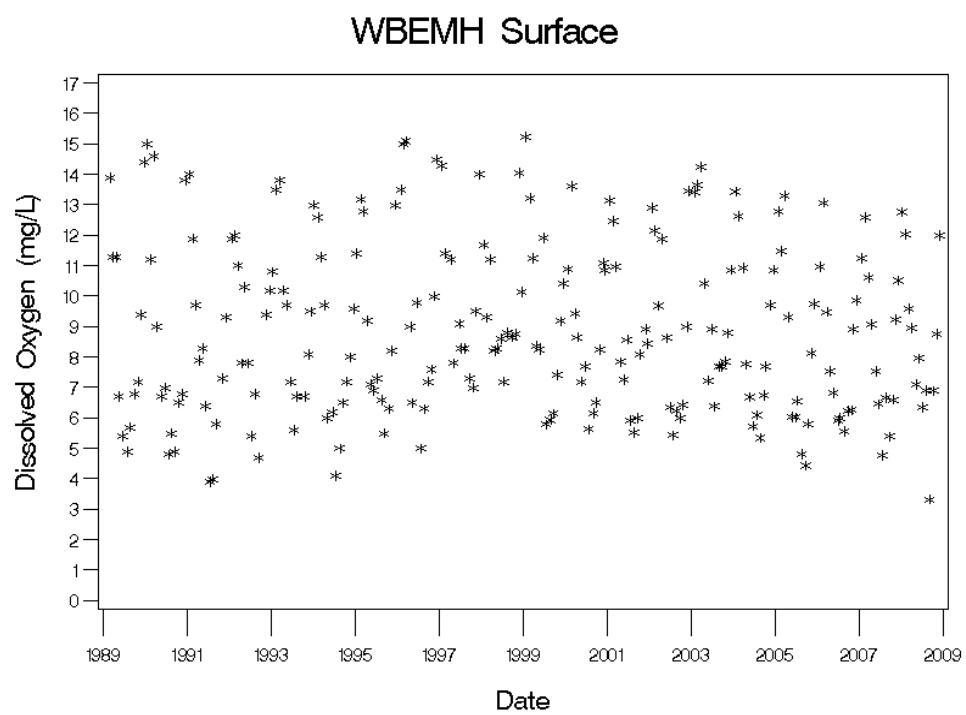


Figure 44. Scatterplot of surface dissolved oxygen at segment WBEMH during the period 1985 to 2008.

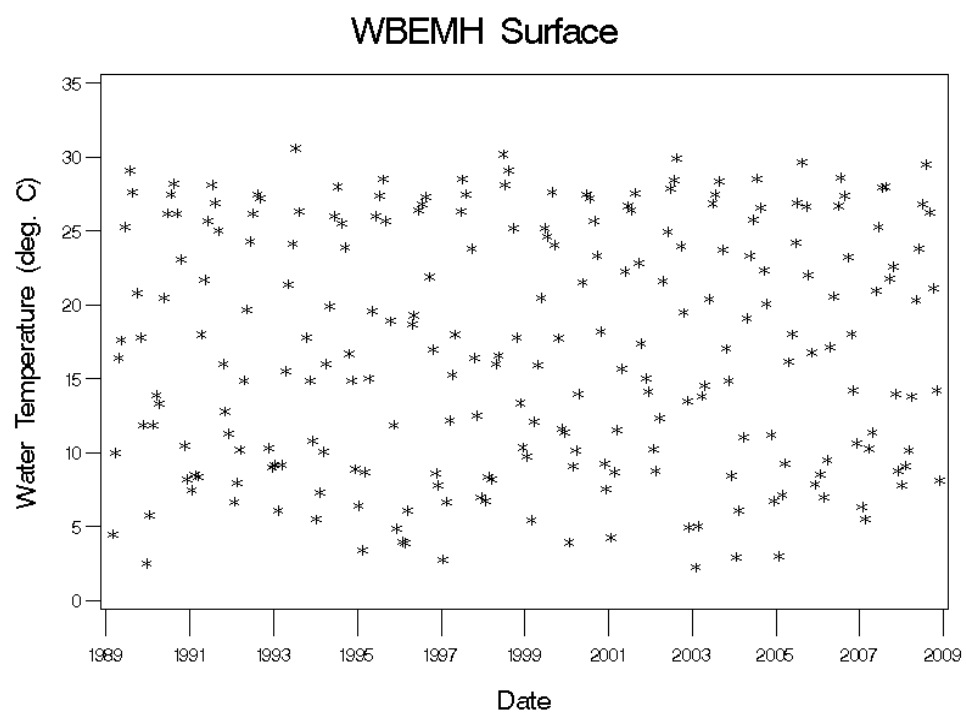


Figure 45. Scatterplot of surface water temperature at segment WBEMH during the period 1985 to 2008.

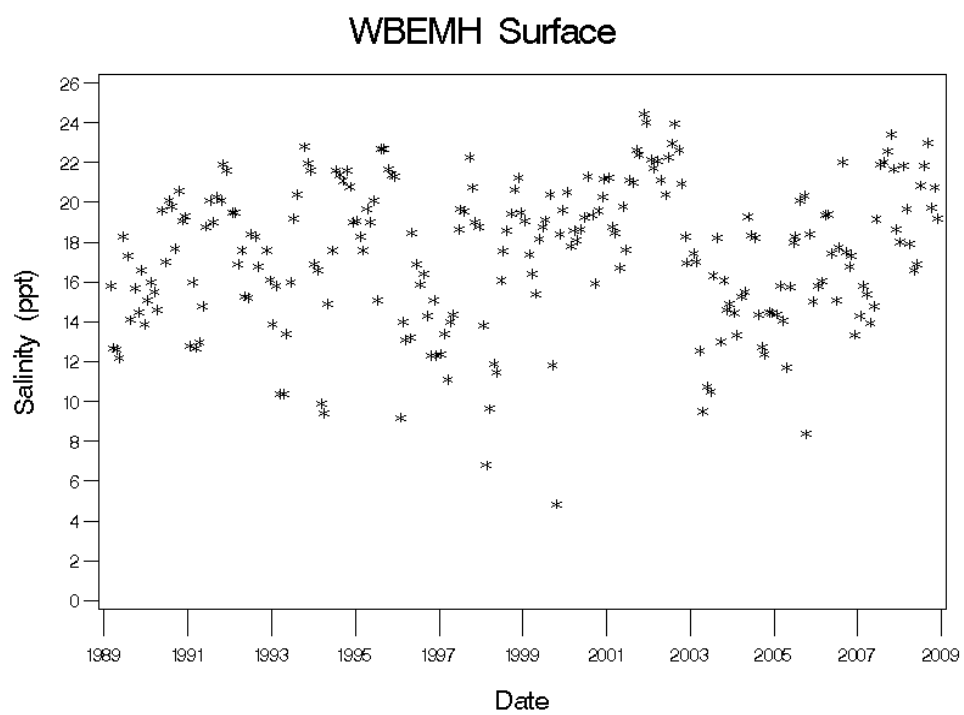


Figure 46. Scatterplot of surface salinity at segment WBEMH during the period 1985 to 2008.

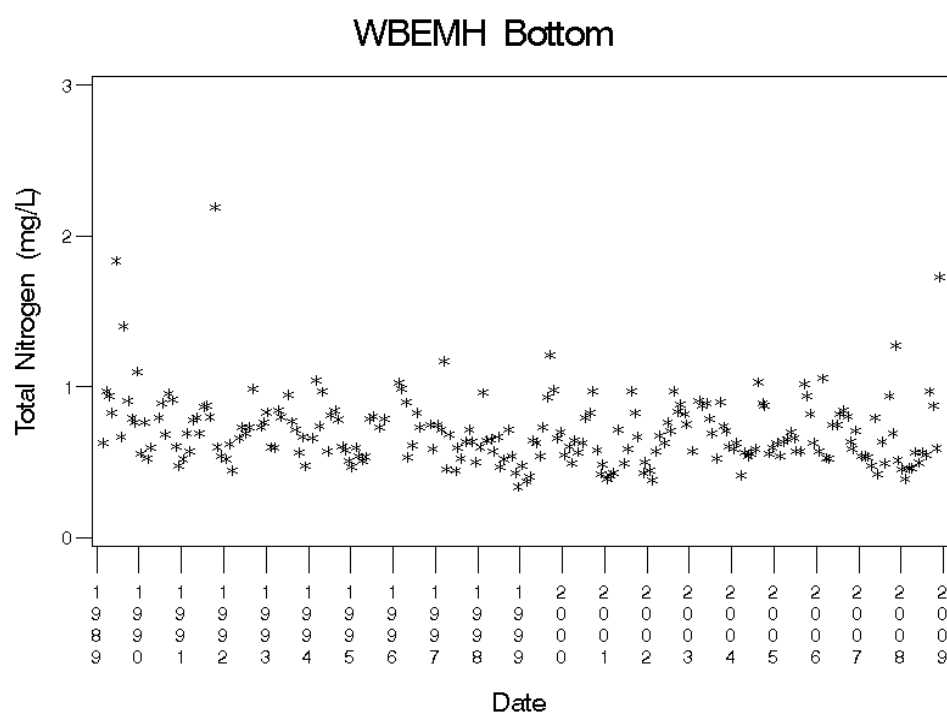


Figure 47. Scatterplots of bottom total nitrogen at segment WBEMH during the period of 1989 to 2008.

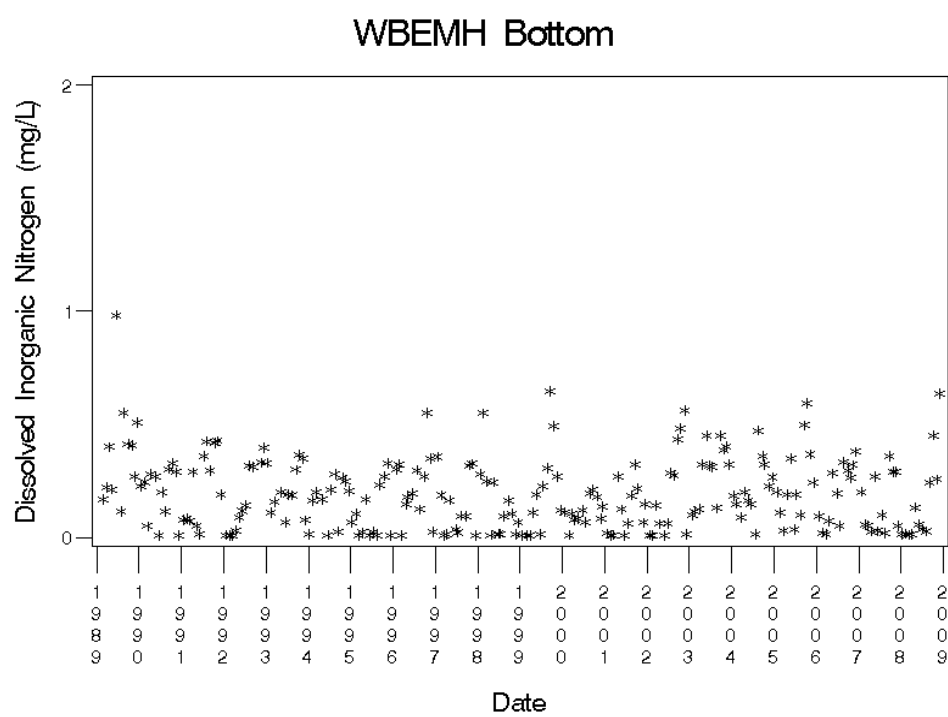


Figure 48. Scatterplots of bottom dissolved inorganic nitrogen at segment WBEMH during the period of 1989 to 2008.

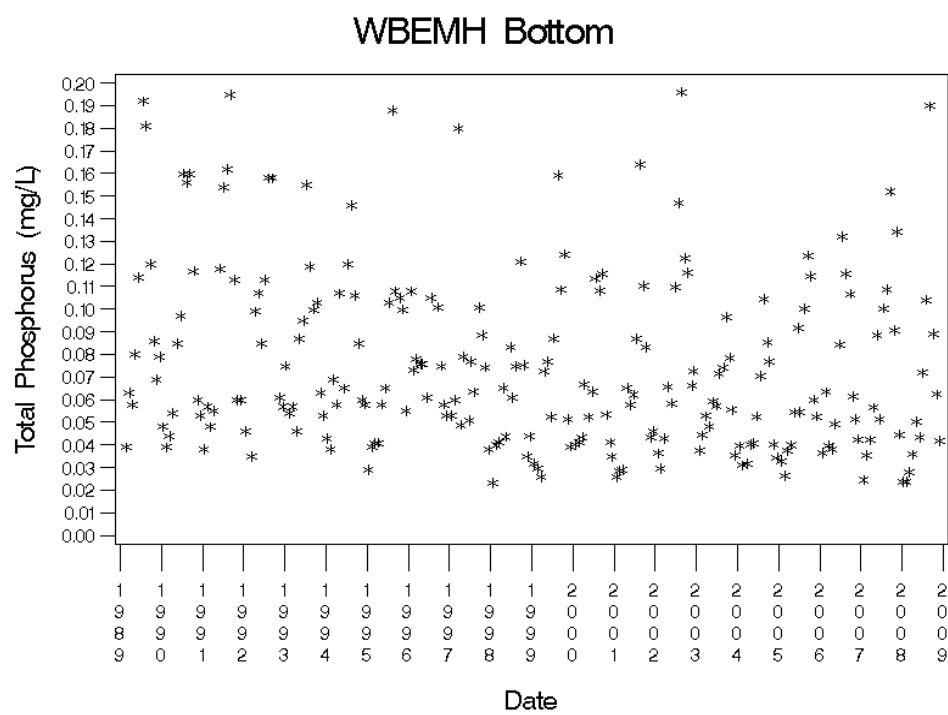


Figure 49. Scatterplots of bottom total phosphorus at segment WBEMH during the period of 1989 to 2008.

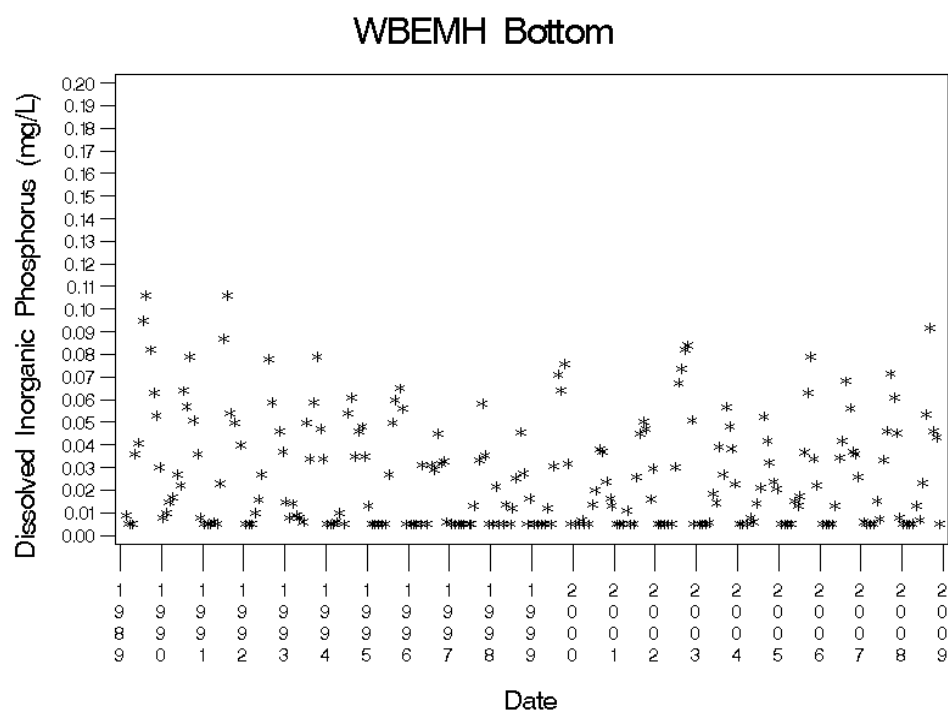


Figure 50. Scatterplots of bottom dissolved inorganic phosphorus at segment WBEMH during the period of 1989 to 2008.

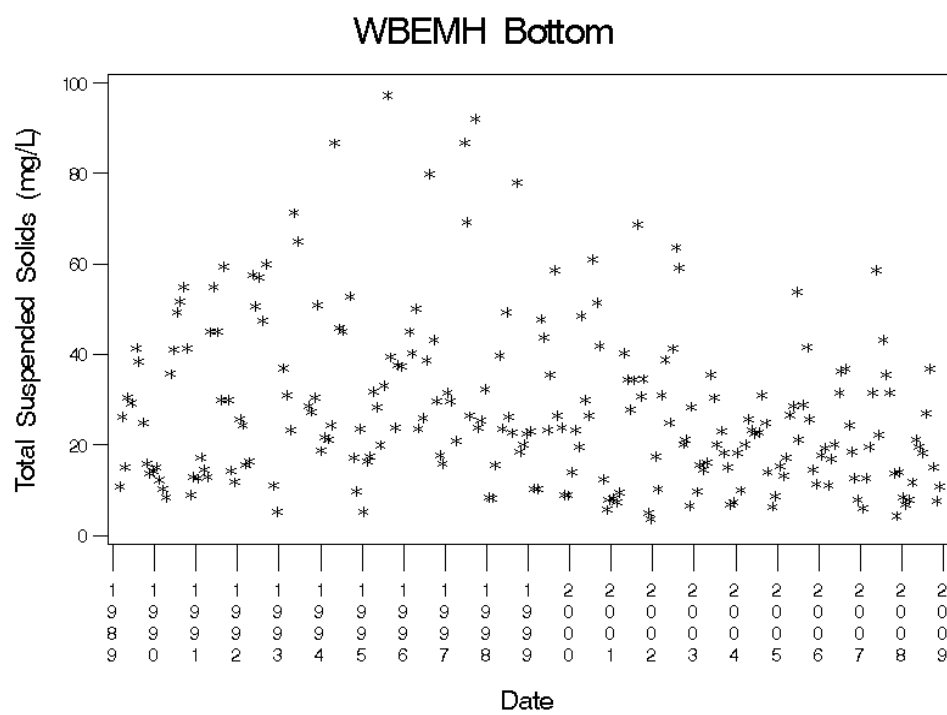


Figure 51. Scatterplot of bottom total suspended solids at segment WBEMH during the period 1985 to 2008.

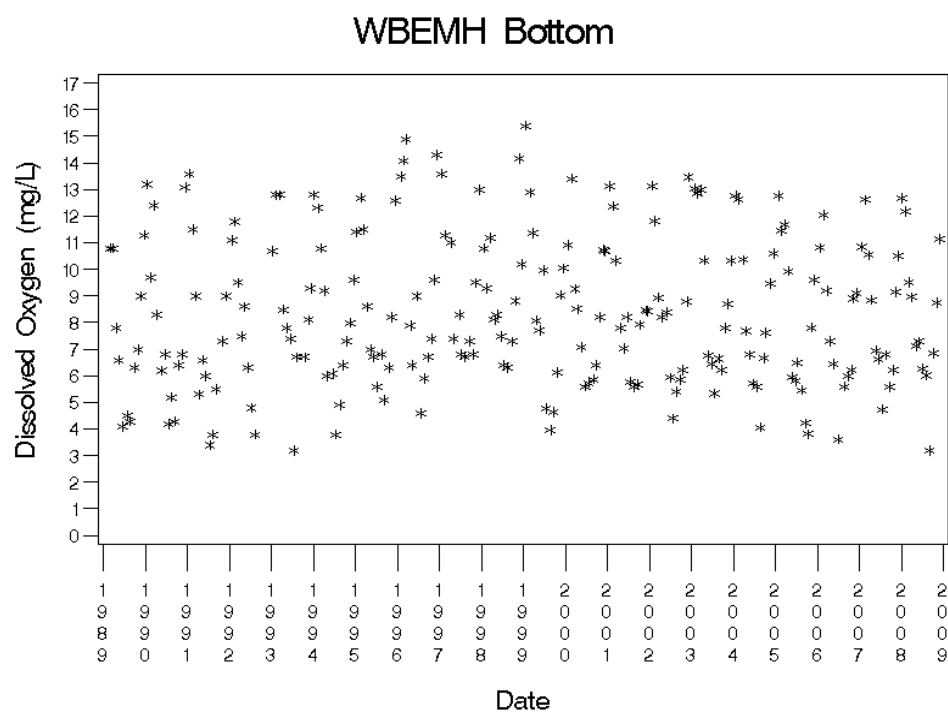


Figure 52. Scatterplot of bottom dissolved oxygen at segment WBEMH during the period 1985 to 2008.

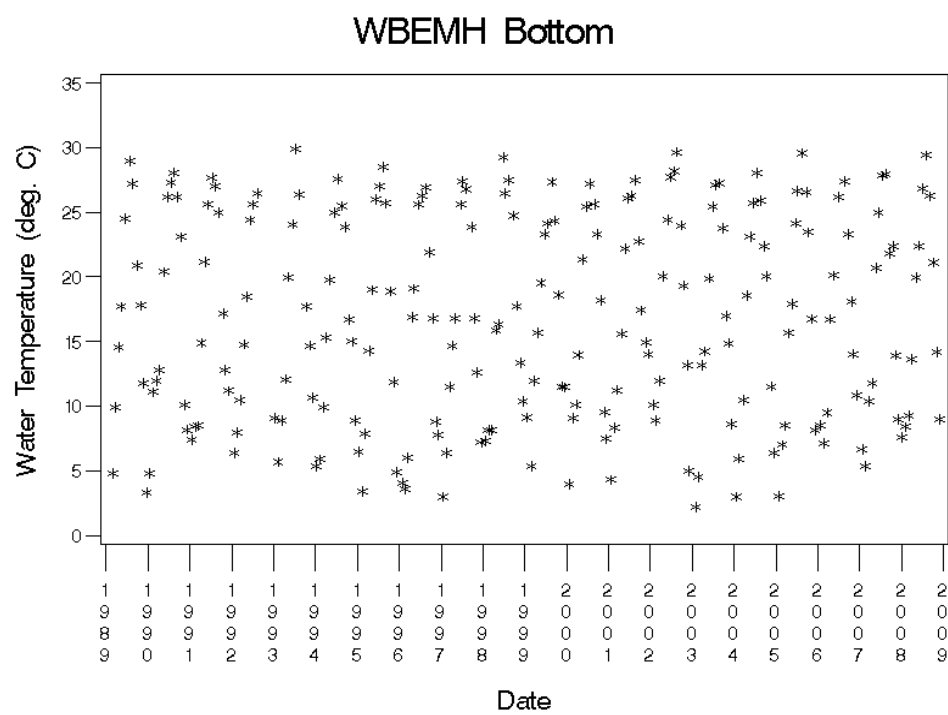


Figure 53. Scatterplot of bottom water temperature at segment WBEMH during the period 1985 to 2008.

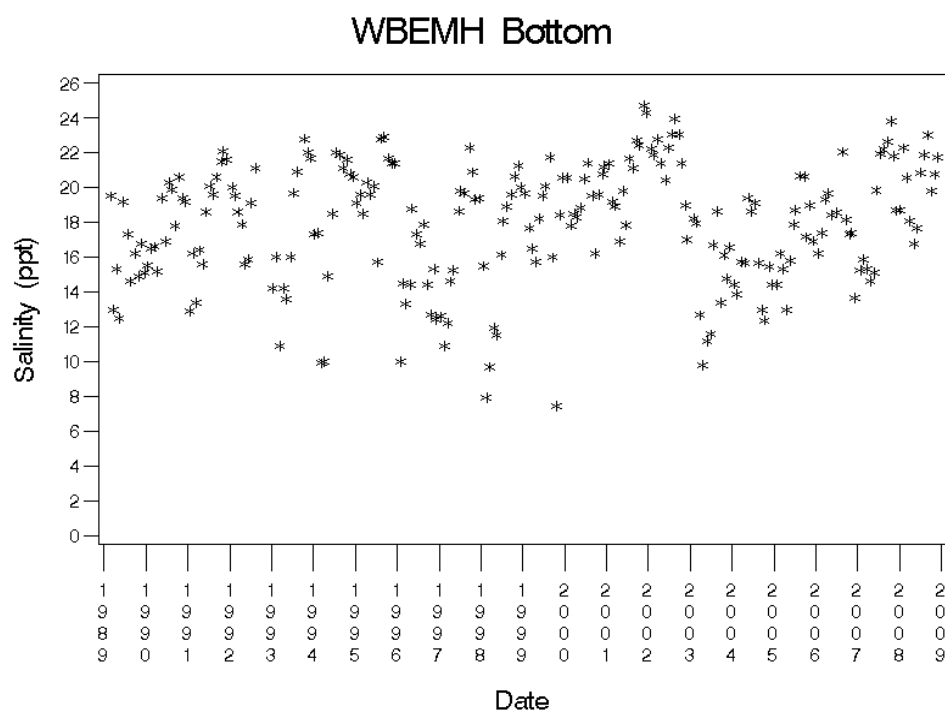


Figure 54. Scatterplot of bottom salinity at segment WBEMH during the period 1985 to 2008.

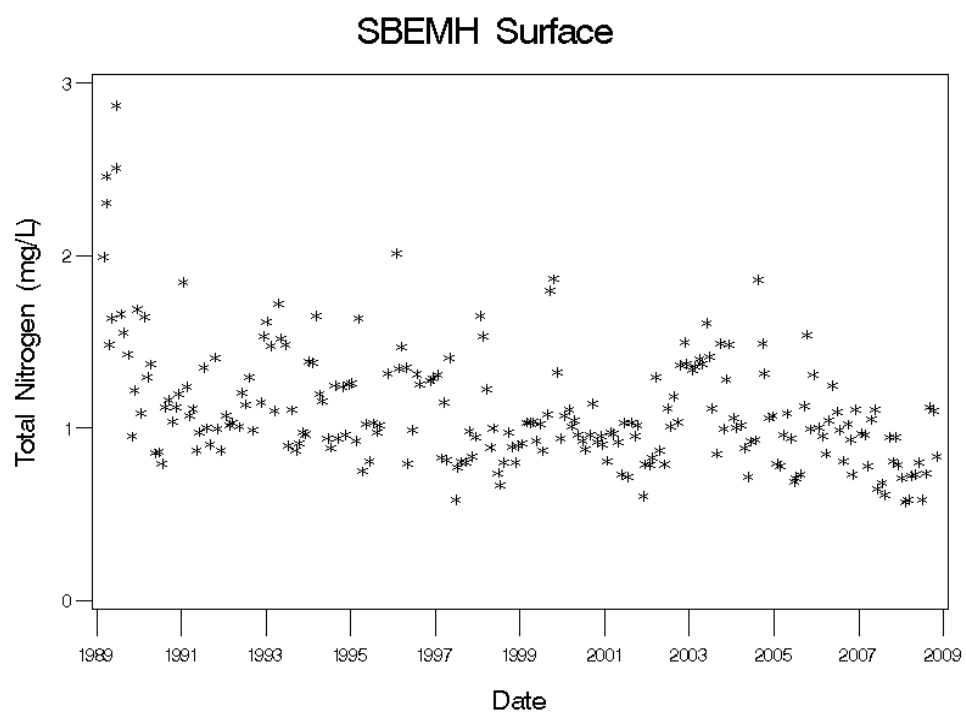


Figure 55. Scatterplots of surface total nitrogen at segment SBEMH during the period of 1989 to 2008.

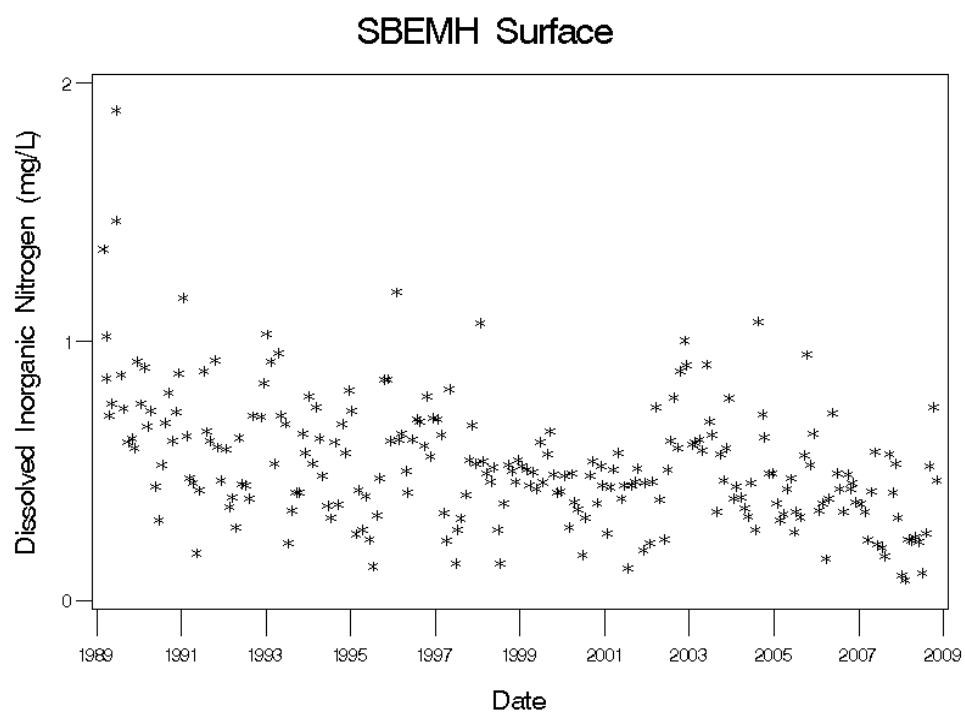


Figure 56. Scatterplots of surface dissolved inorganic nitrogen at segment SBEMH during the period of 1989 to 2008.

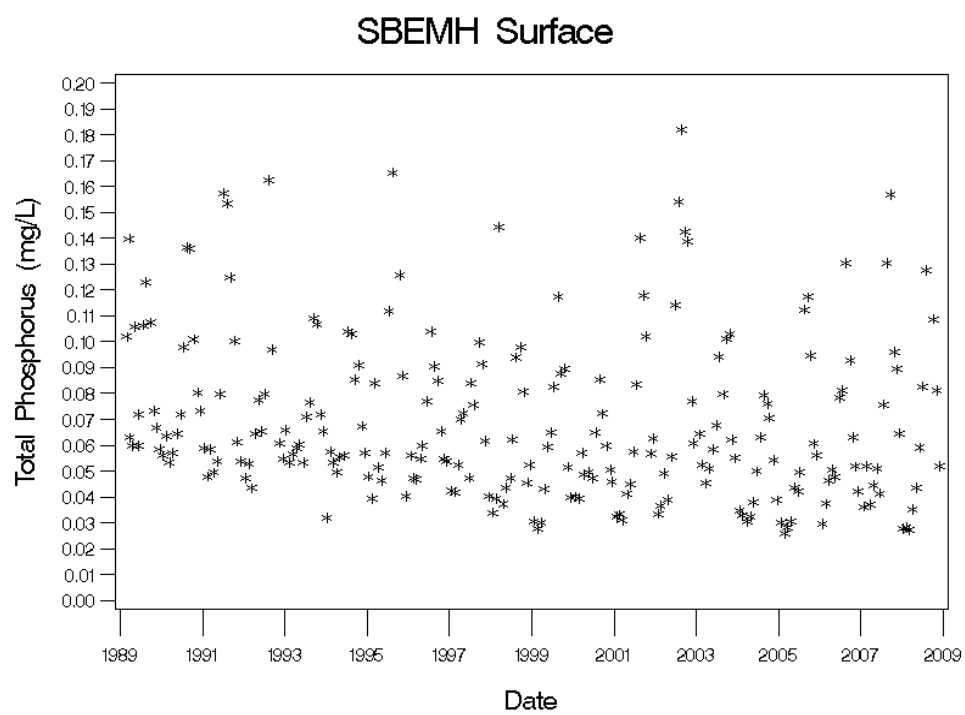


Figure 57. Scatterplots of surface total phosphorus at segment SBEMH during the period of 1989 to 2008.

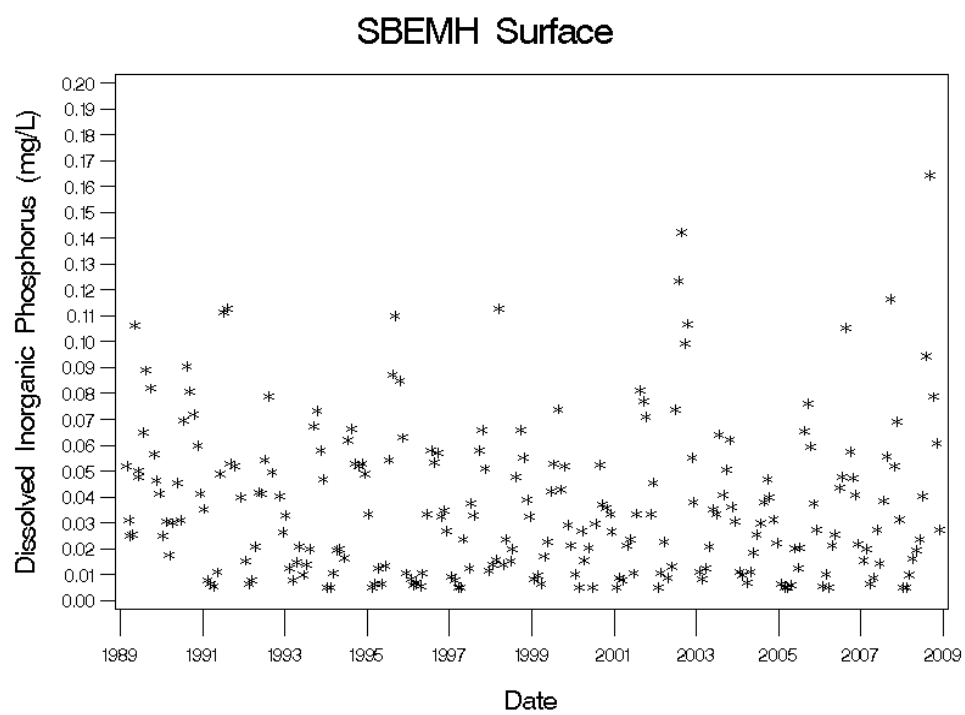


Figure 58. Scatterplots of surface dissolved inorganic phosphorus at segment SBEMH during the period of 1989 to 2008.

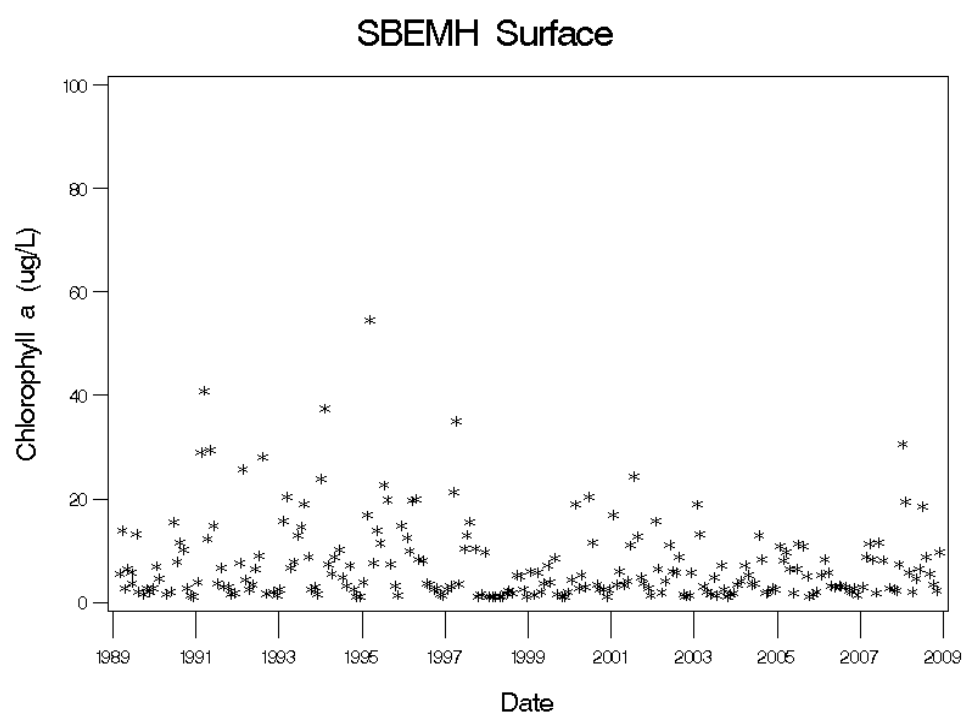


Figure 59. Scatterplot of surface chlorophyll a at segment SBEMH during the period 1985 to 2008.

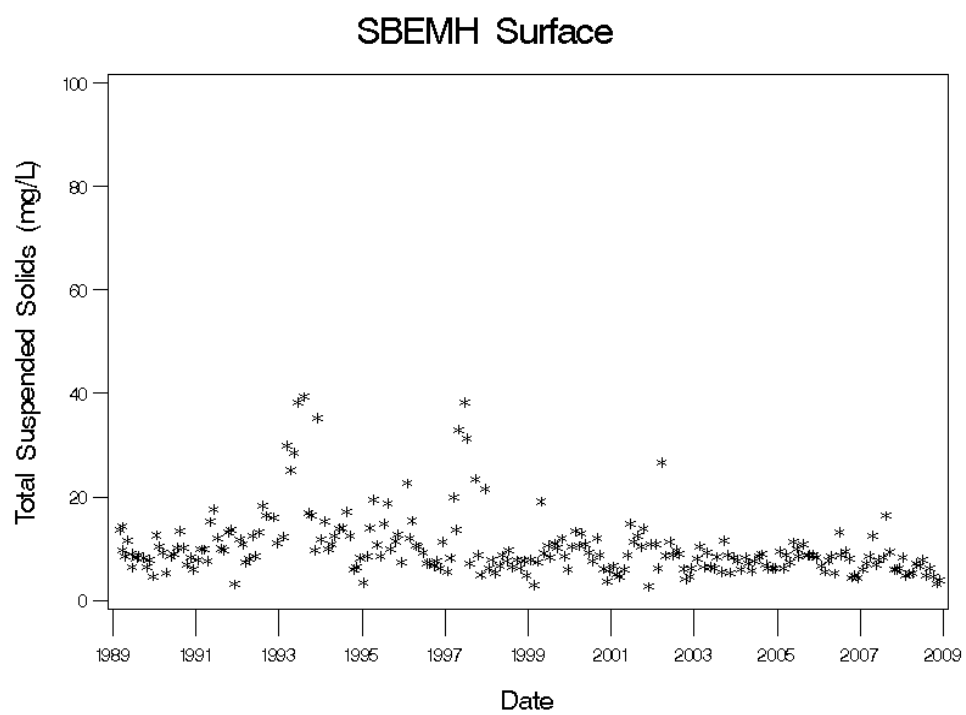


Figure 60. Scatterplot of surface total suspended solids at segment SBEMH during the period 1985 to 2008.

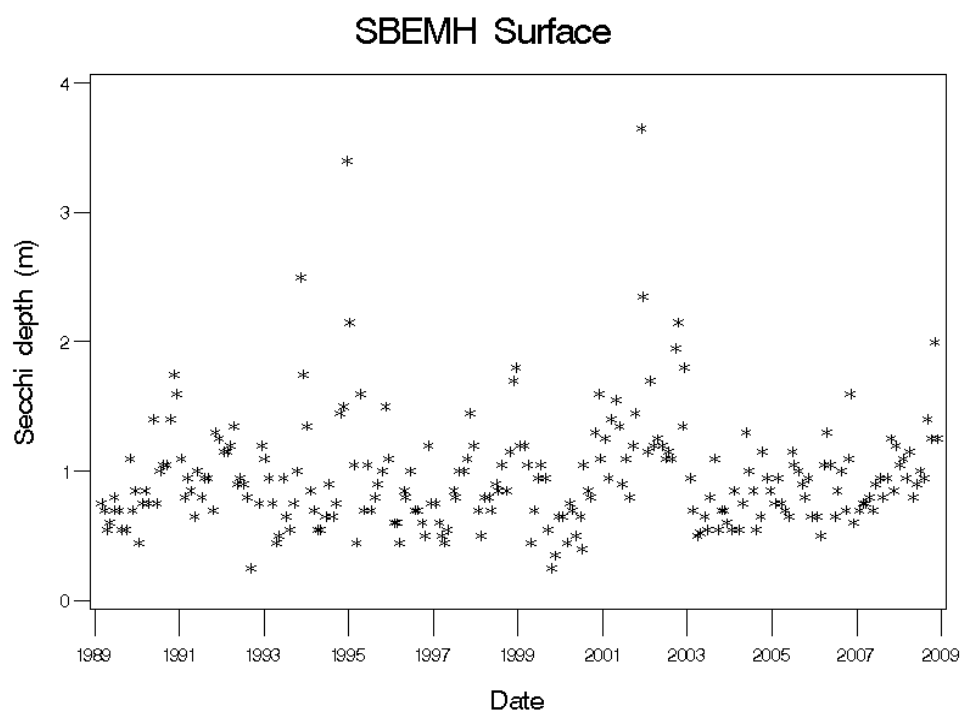


Figure 61. Scatterplot of secchi depth at segment SBEMH during the period 1989 through 2008.

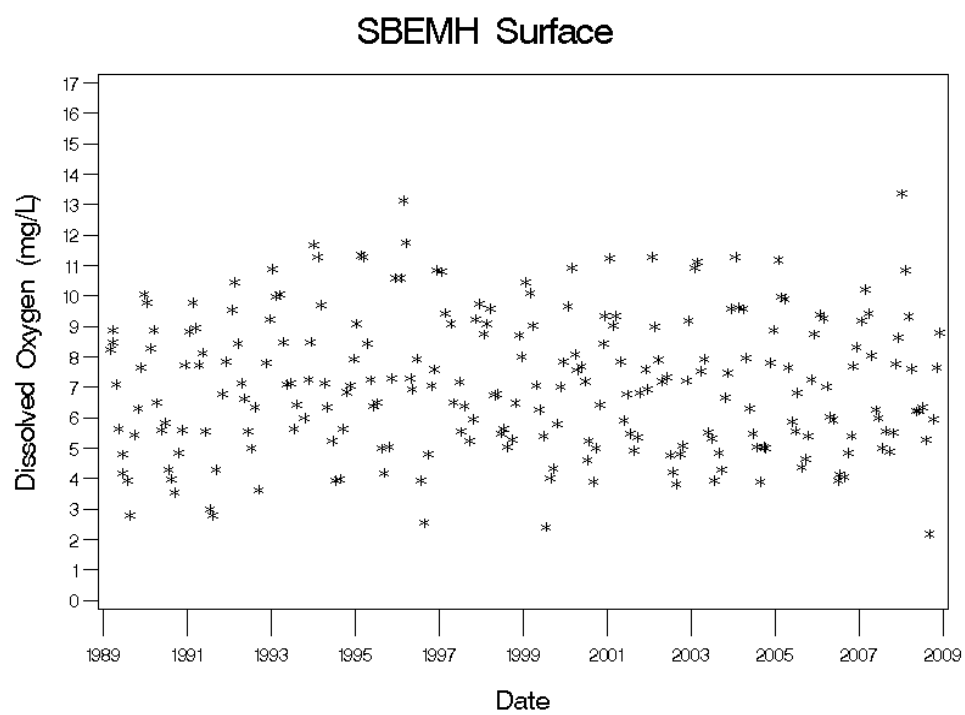


Figure 62. Scatterplot of surface dissolved oxygen at segment SBEMH during the period 1985 to 2008.

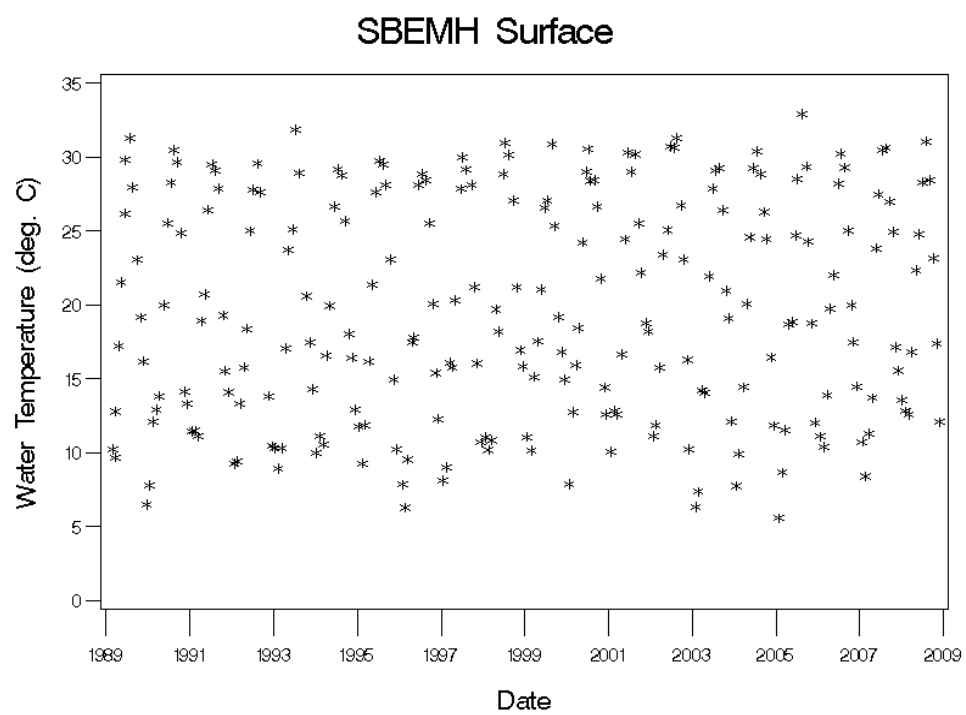


Figure 63. Scatterplot of surface water temperature at segment SBEMH during the period 1985 to 2008.

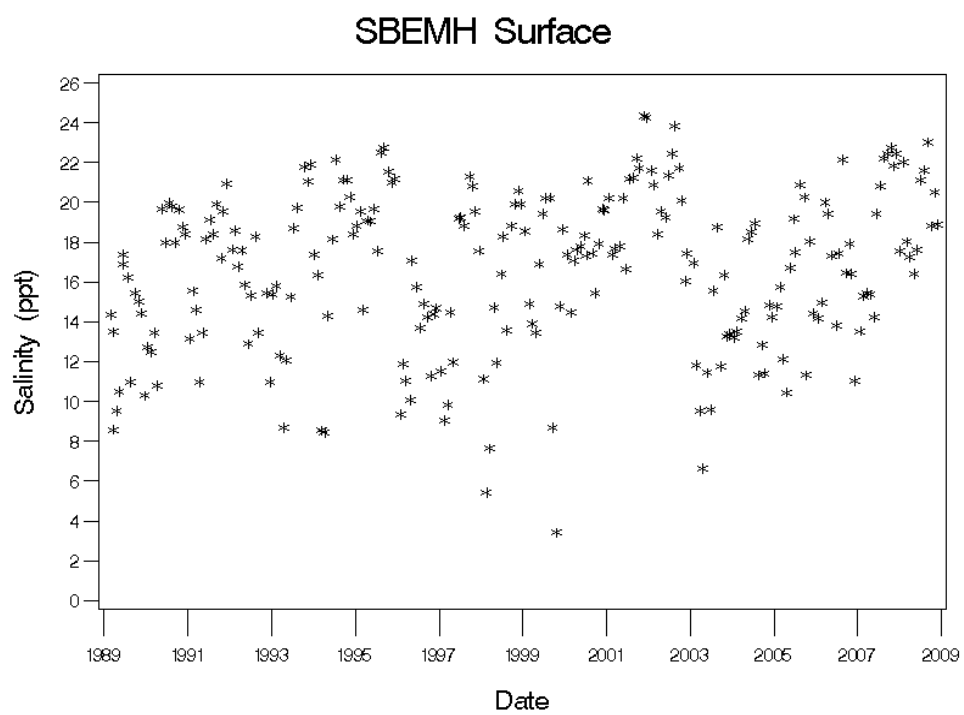


Figure 64. Scatterplot of surface salinity at segment SBEMH during the period 1985 to 2008.

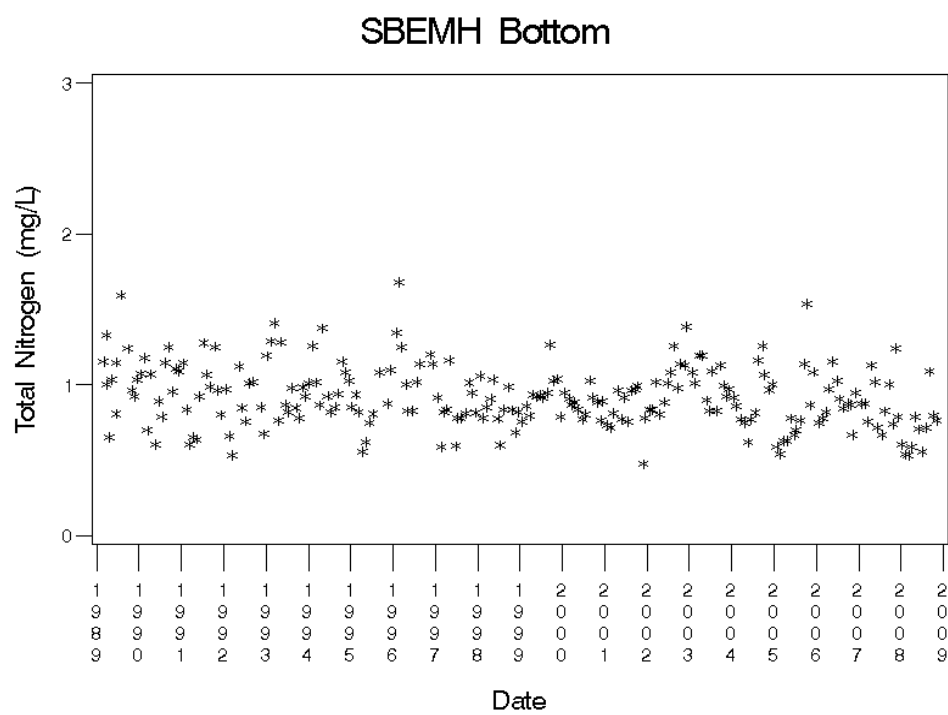


Figure 65. Scatterplots of bottom total nitrogen at segment SBEMH during the period of 1989 to 2008.

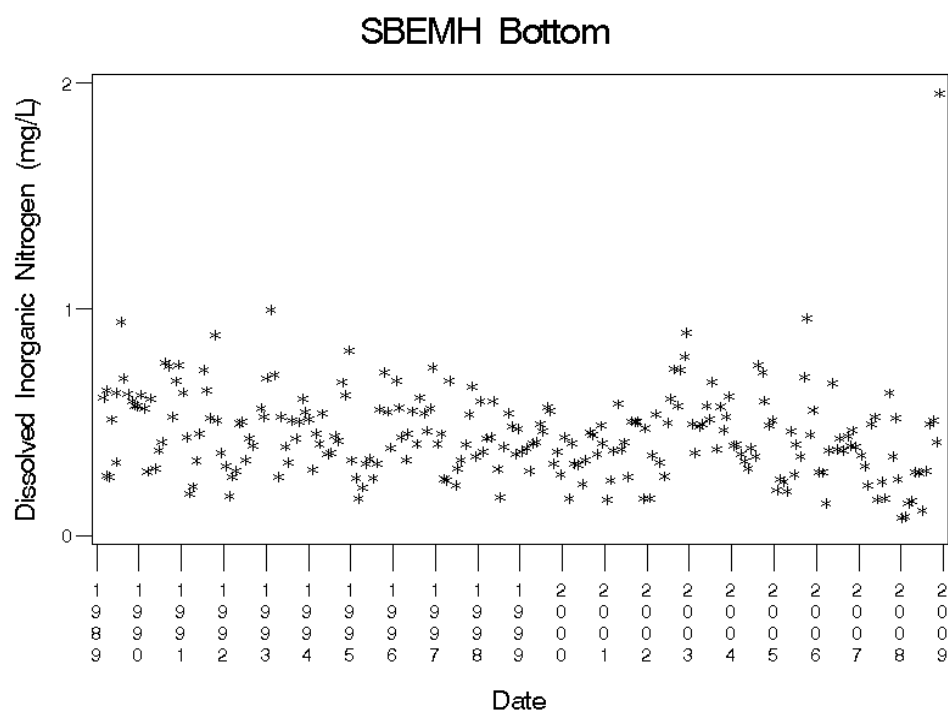


Figure 66. Scatterplots of bottom dissolved inorganic nitrogen at segment SBEMH during the period of 1989 to 2008.

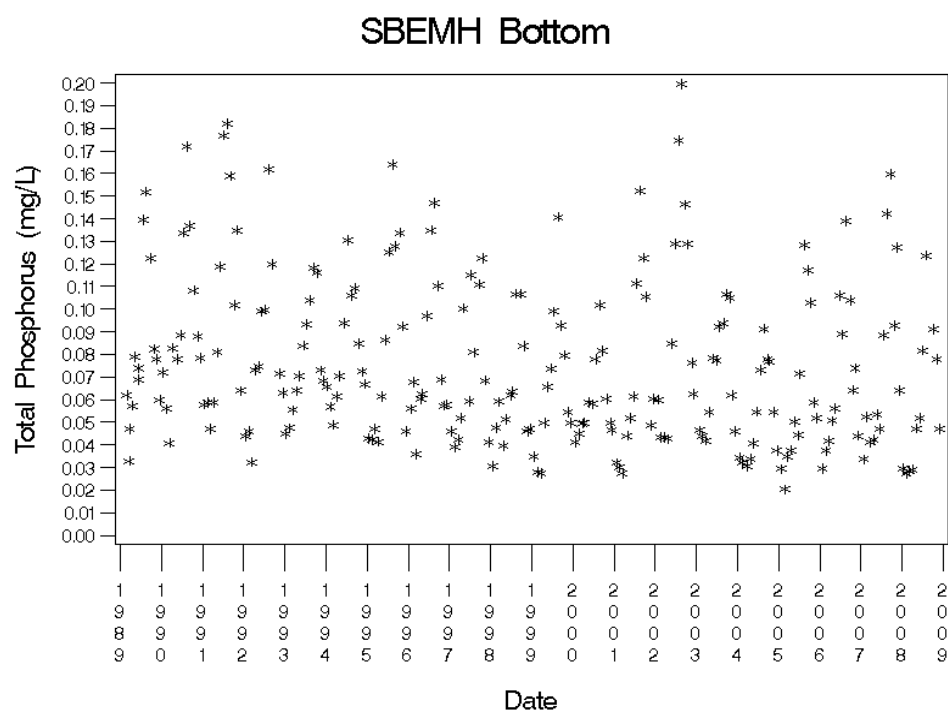


Figure 67. Scatterplots of bottom total phosphorus at segment SBEMH during the period of 1989 to 2008.

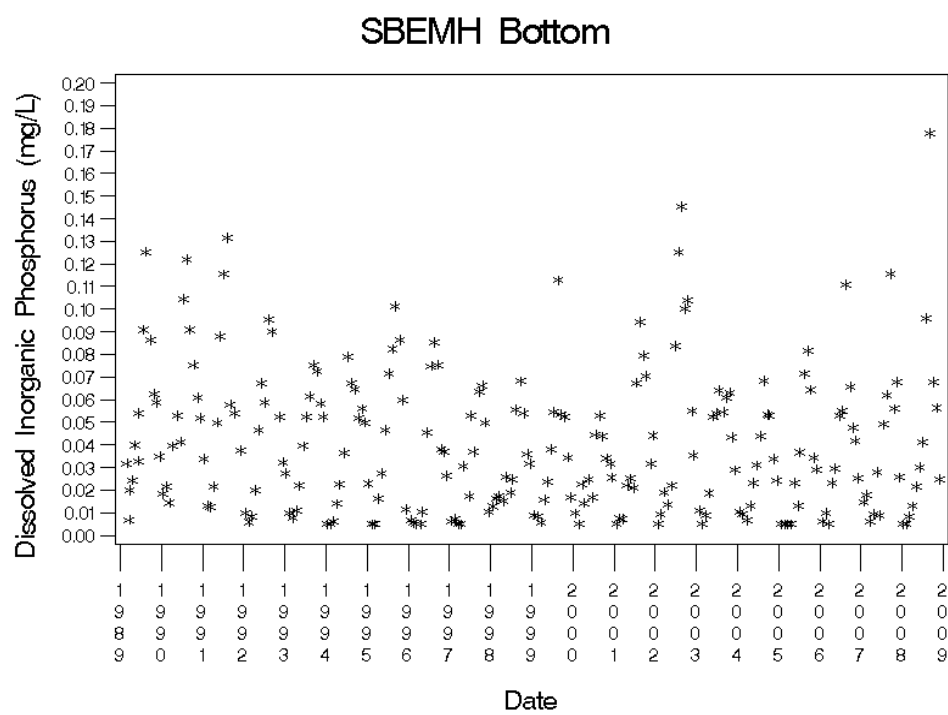


Figure 68. Scatterplots of bottom dissolved inorganic phosphorus at segment SBEMH during the period of 1989 to 2008.

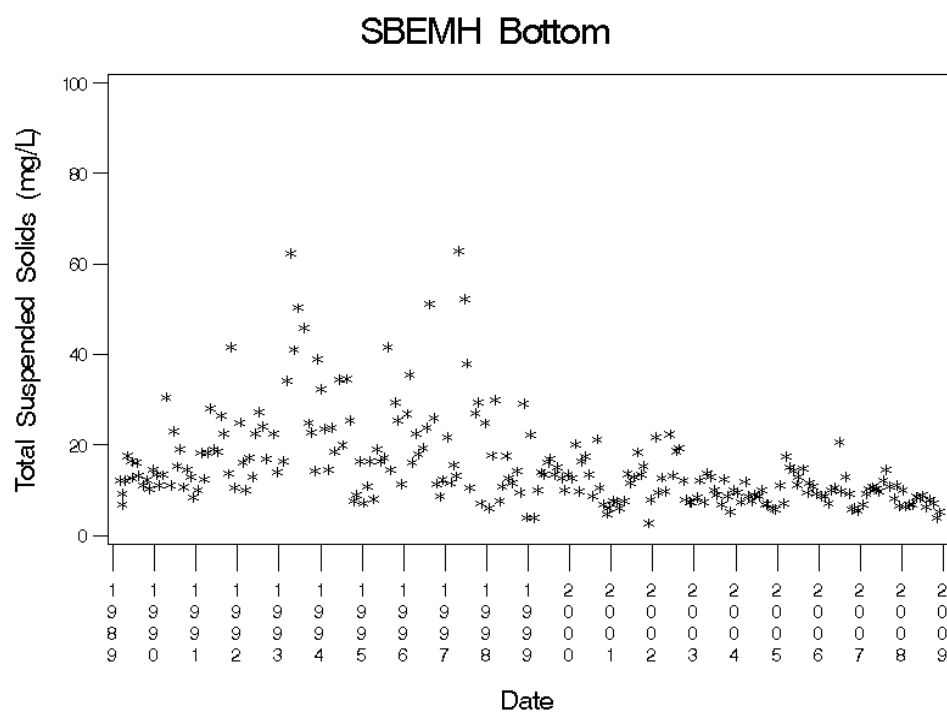


Figure 69. Scatterplot of bottom total suspended solids at segment SBEMH during the period 1985 to 2008.

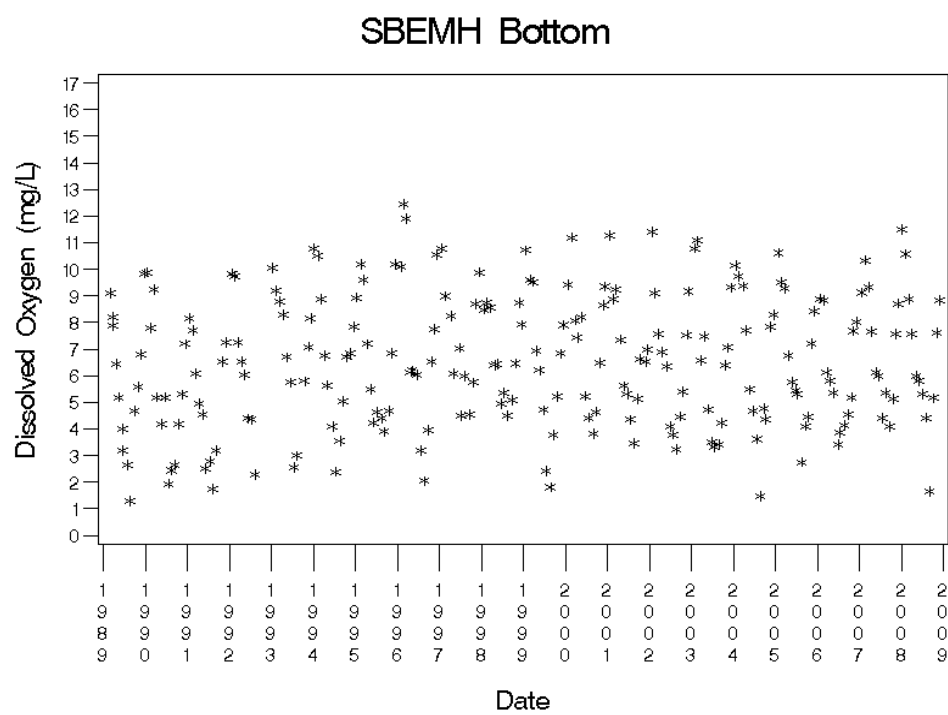


Figure 70. Scatterplot of bottom dissolved oxygen at segment SBEMH during the period 1985 to 2008.

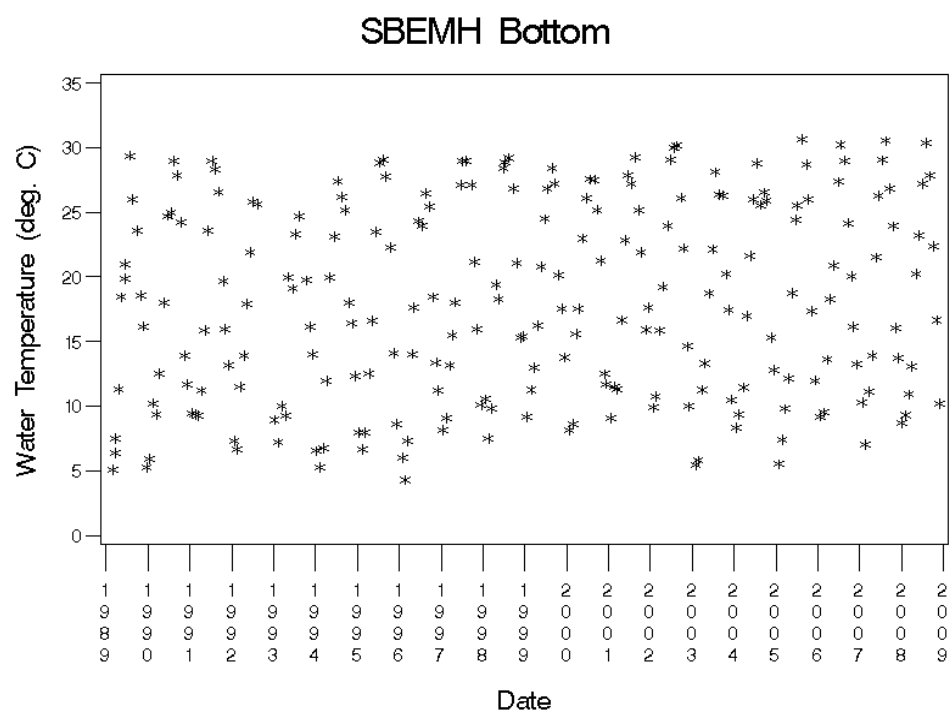


Figure 71. Scatterplot of bottom water temperature at segment SBEMH during the period 1985 to 2008.

