

**Appendix C - Water Quality Scatterplots**  
**Section I - James River**

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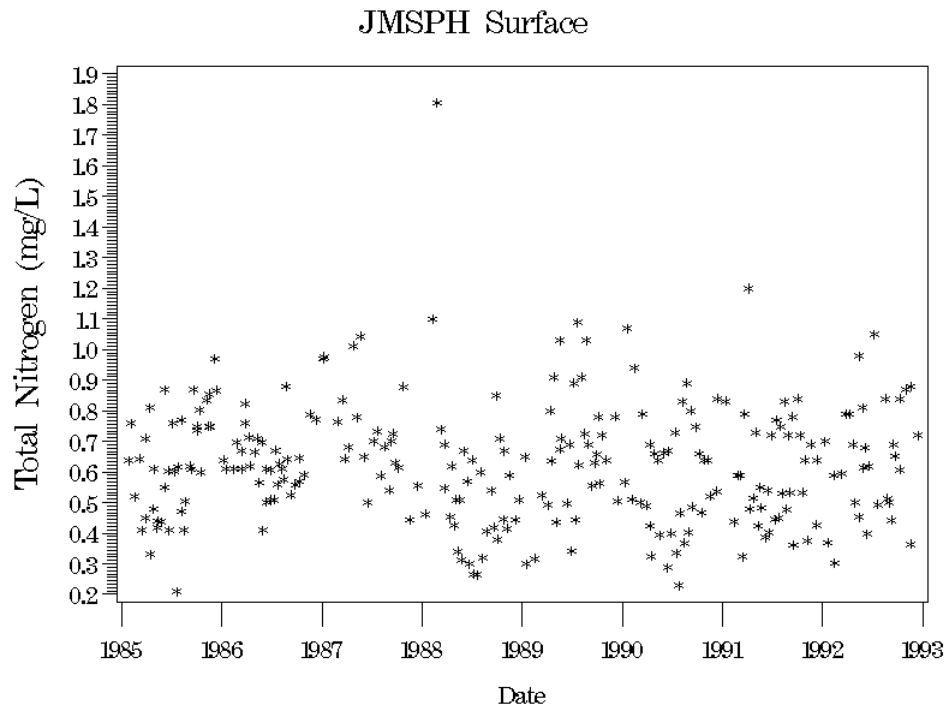


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a) Pre-method change period



b) Post-method change period

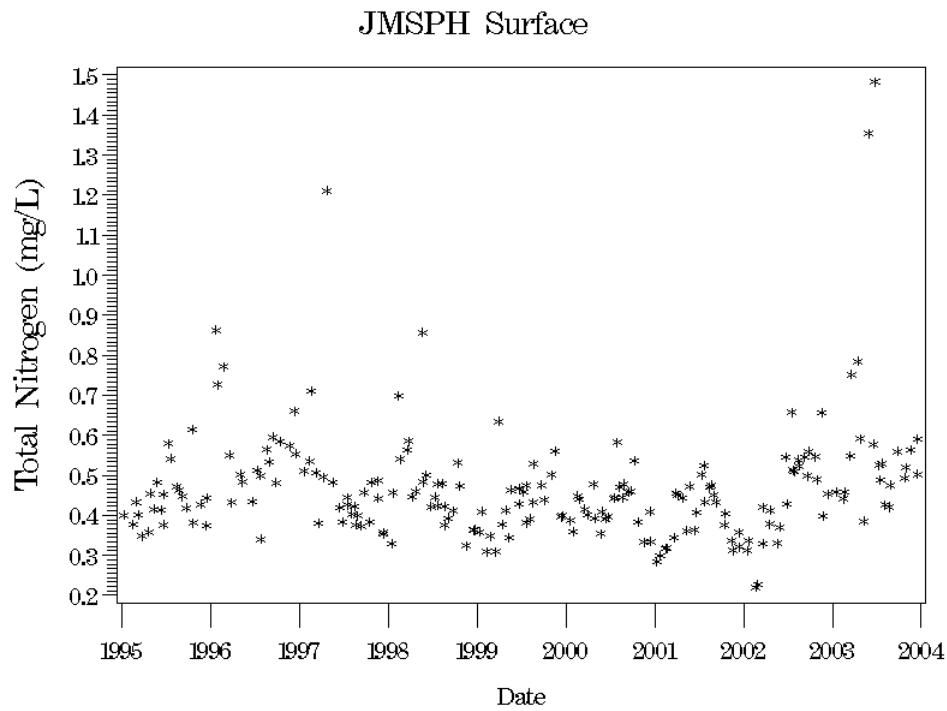
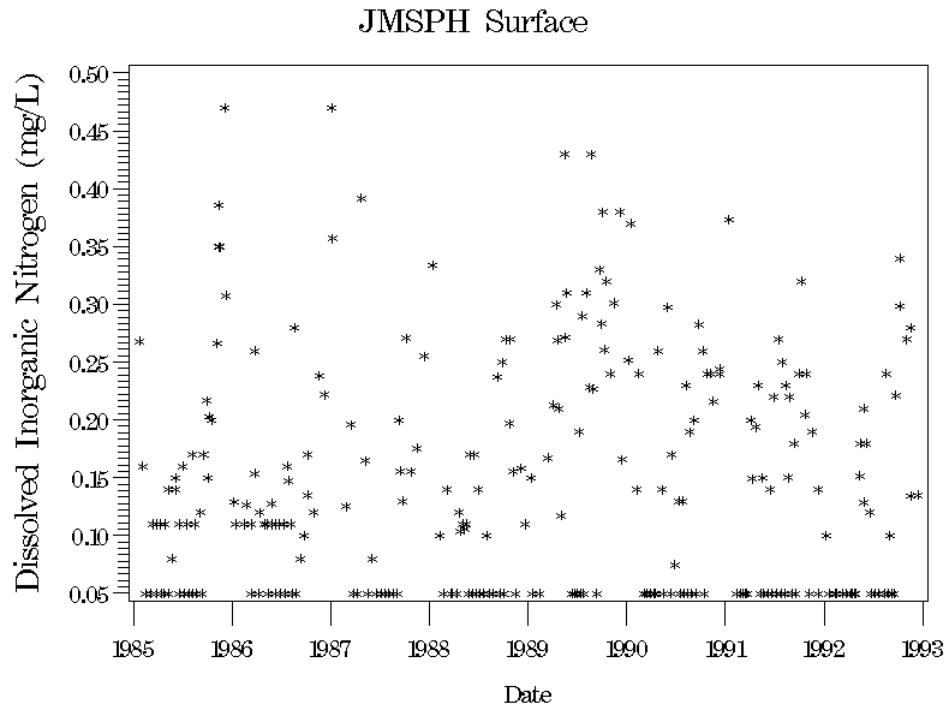


Figure 1. Scatterplots of surface total nitrogen at segment JMSPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

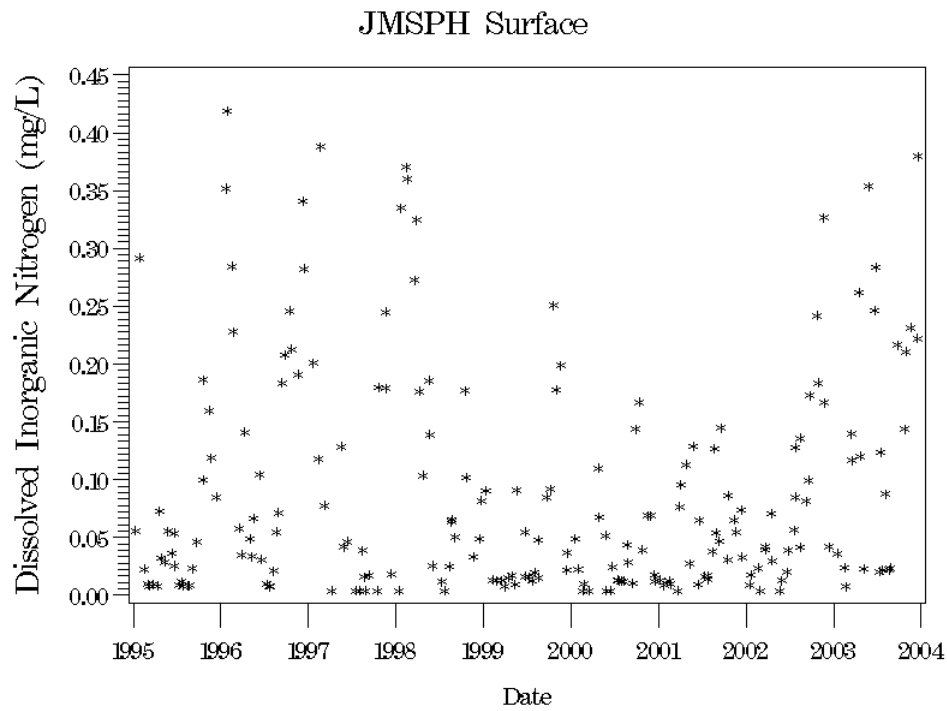
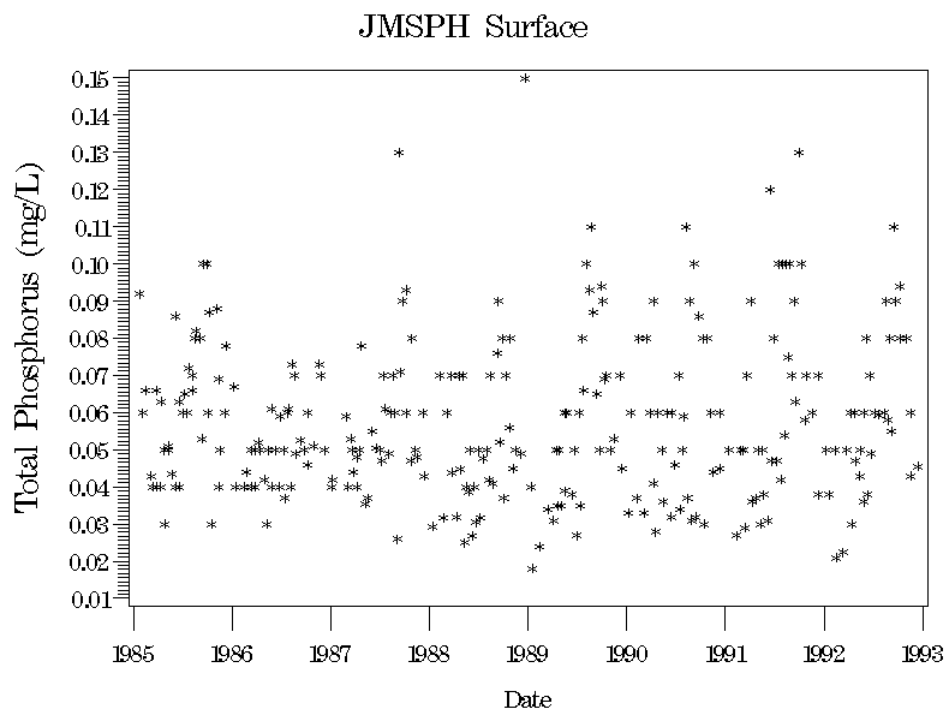


Figure 2. Scatterplots of surface dissolved inorganic nitrogen at segment JMSPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

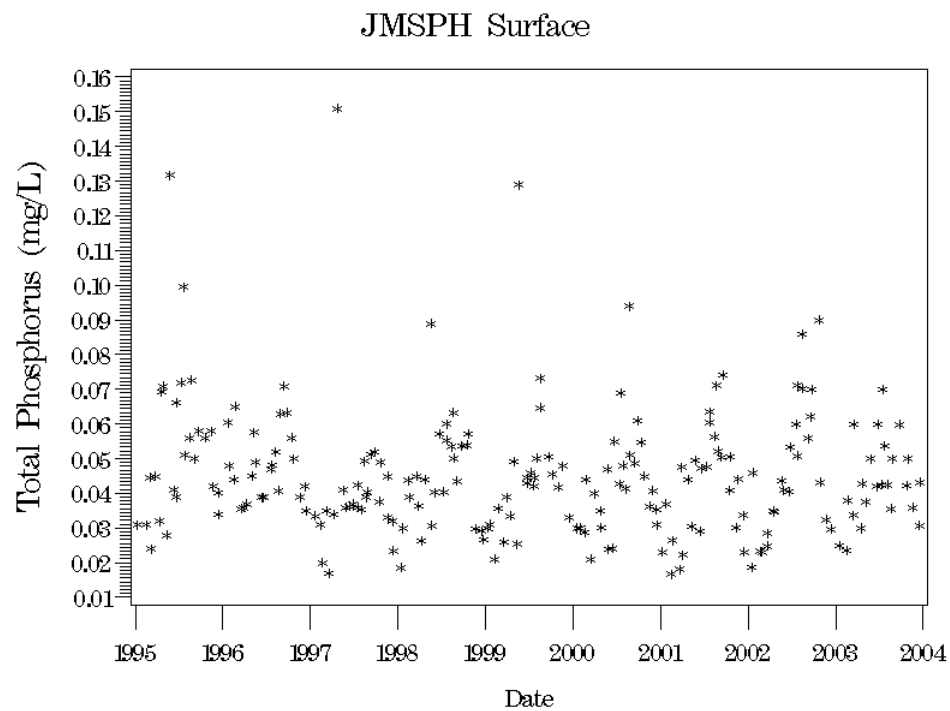
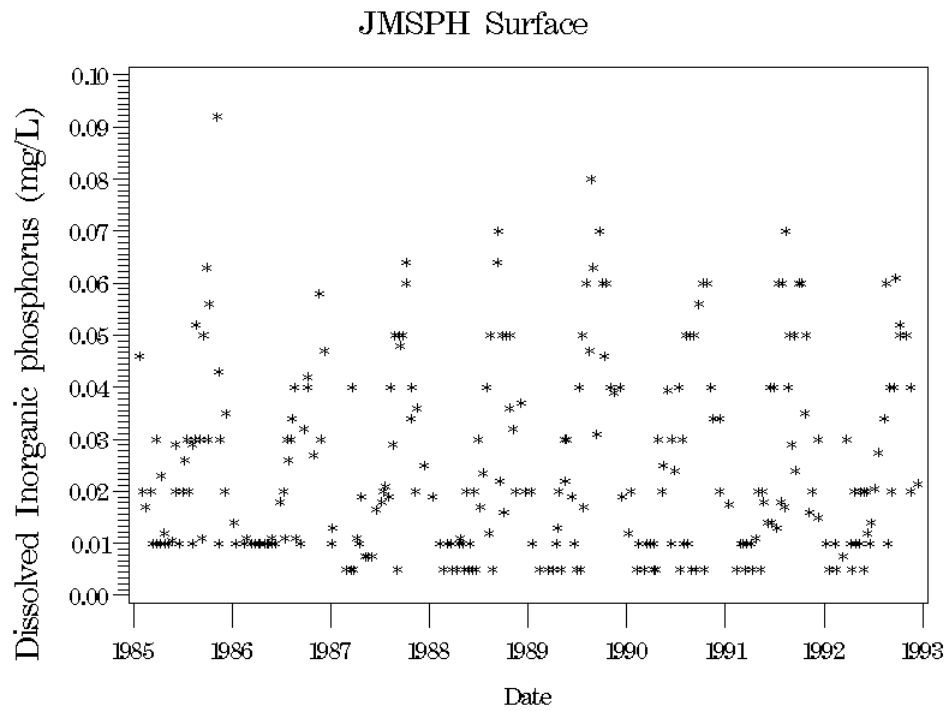


Figure 3. Scatterplots of surface total phosphorus at segment JMSPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

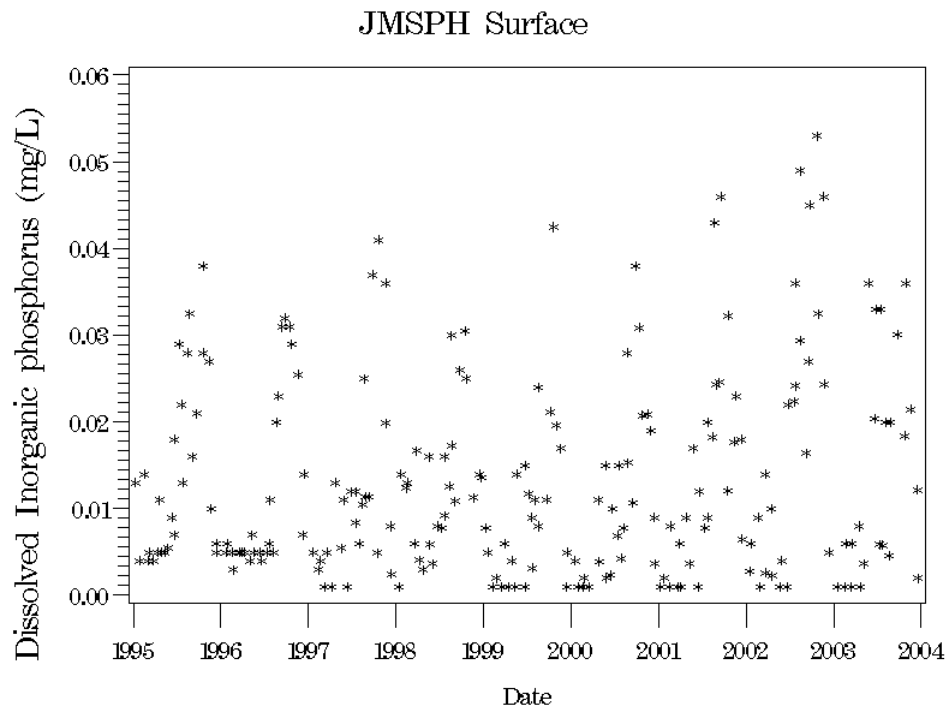


Figure 4. Scatterplots of surface dissolved inorganic phosphorus at segment JMSPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

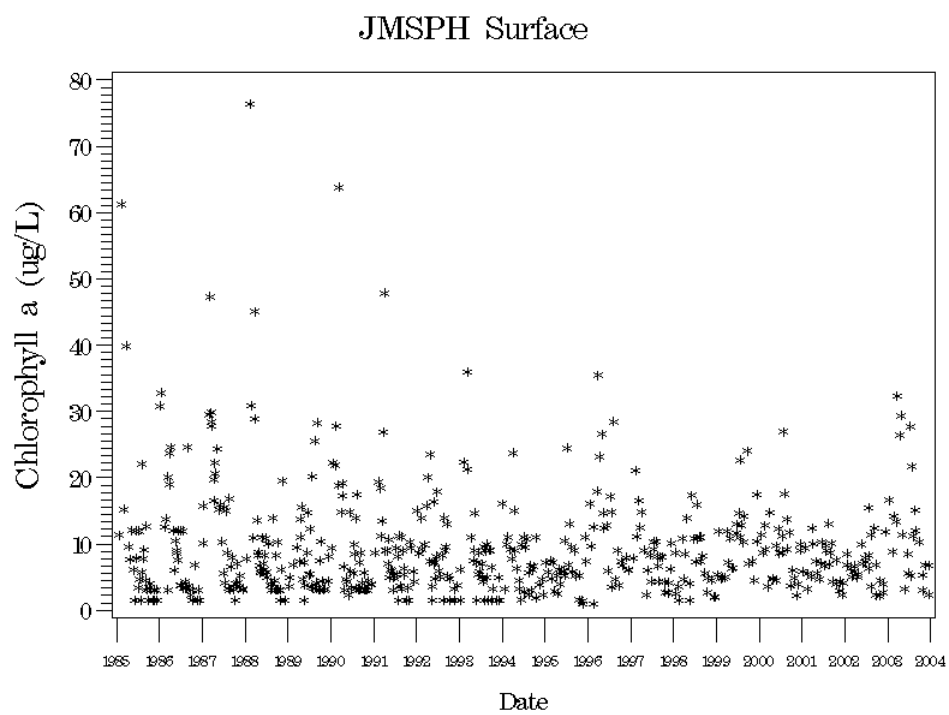


Figure 5. Scatterplot of surface chlorophyll *a* at segment JMSPH during the period 1985 to 2003.



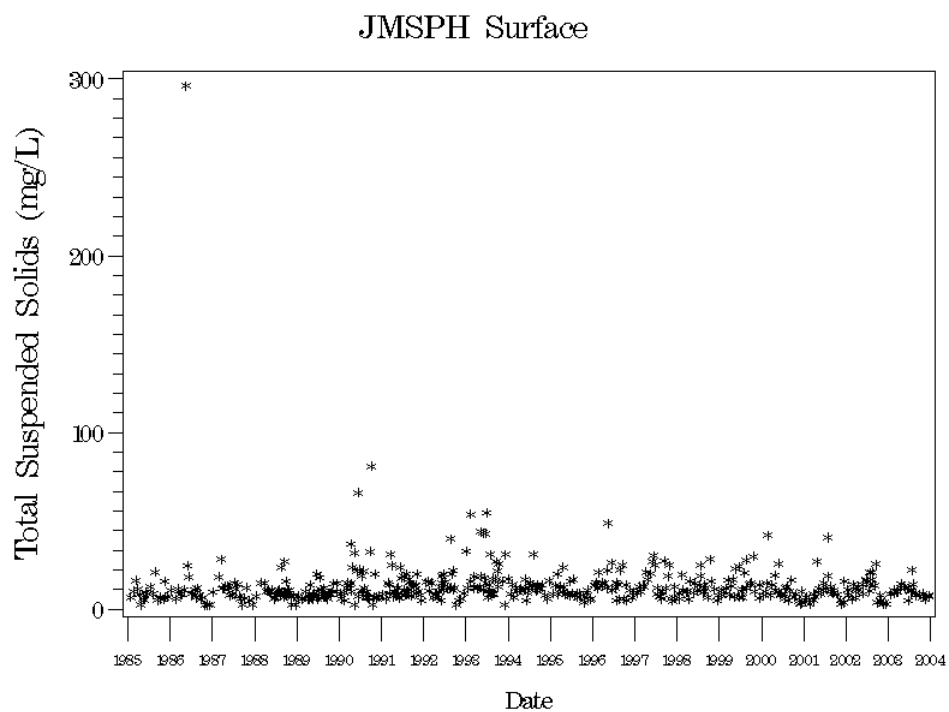


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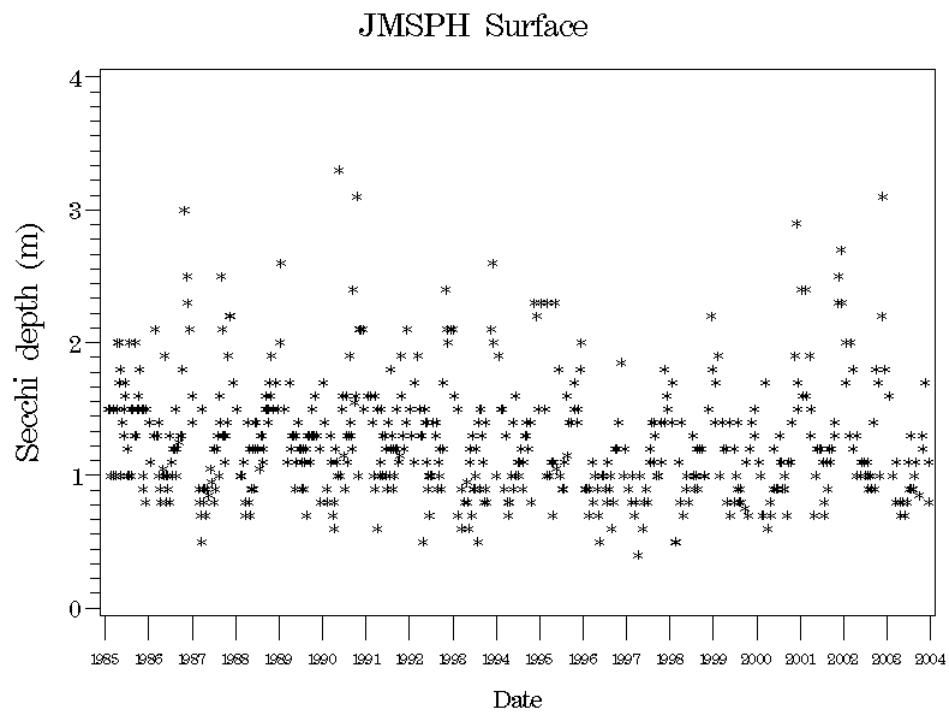


Figure 7. Scatterplot of secchi depth at segment JMSPH during the period 1985 to 2003.

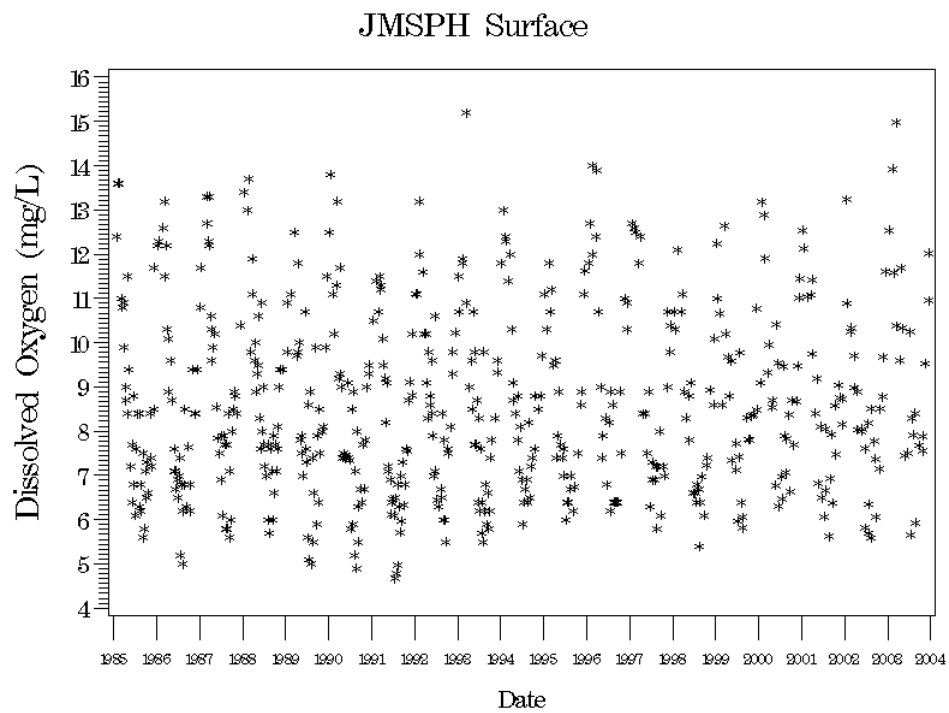


Figure 8. Scatterplot of surface dissolved oxygen at segment JMSPH during the period 1985 to 2003.

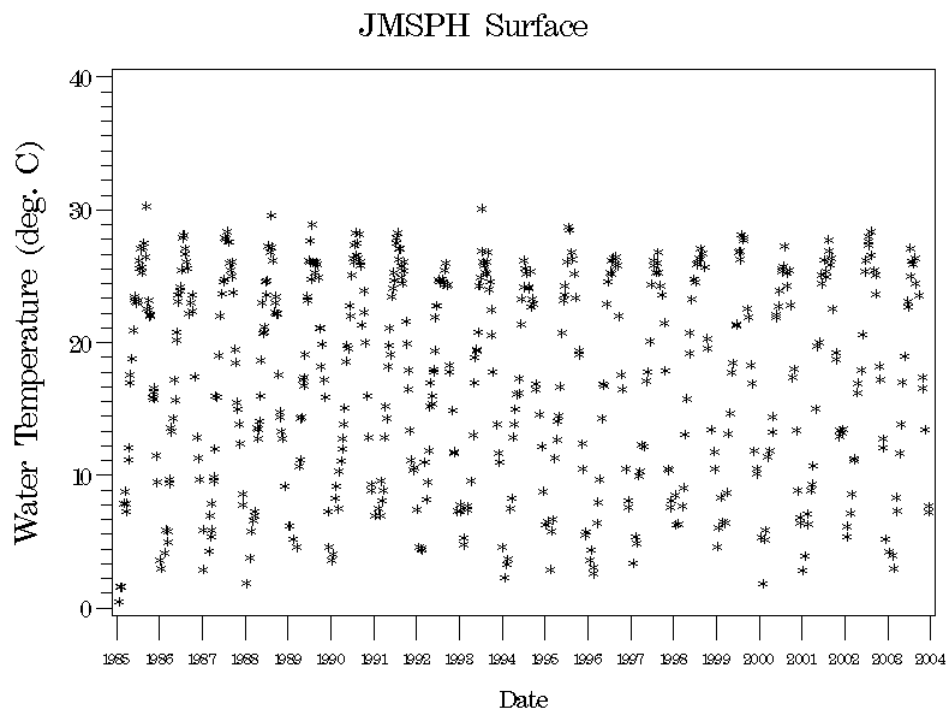


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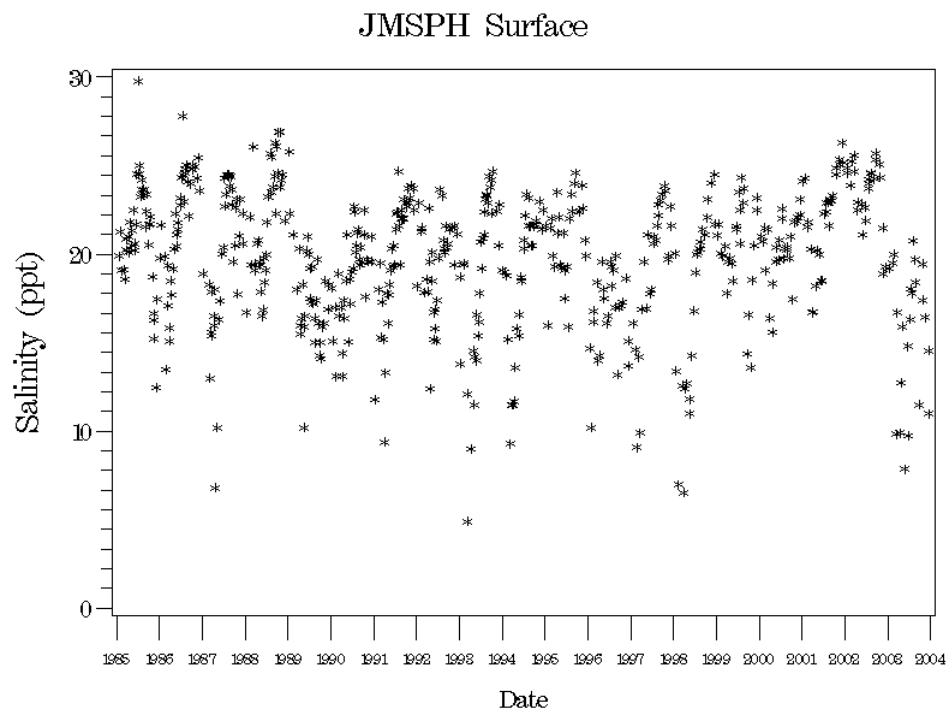
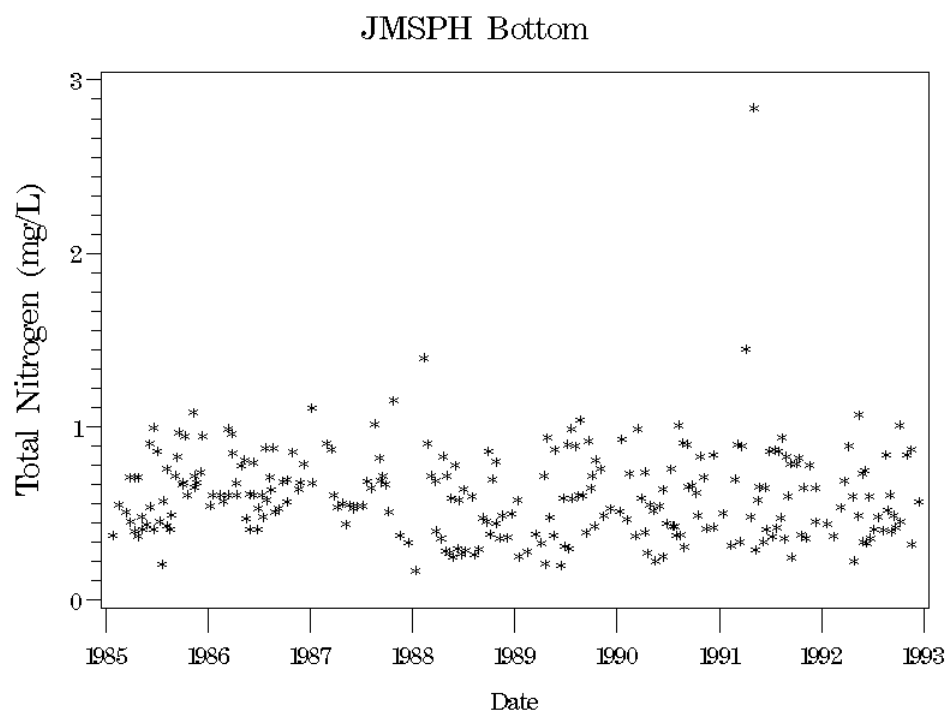


Figure 10. Scatterplot of surface salinity at segment JMSPH during the period 1985 to 2003.

a) Pre-method change period



b) Post-method change period

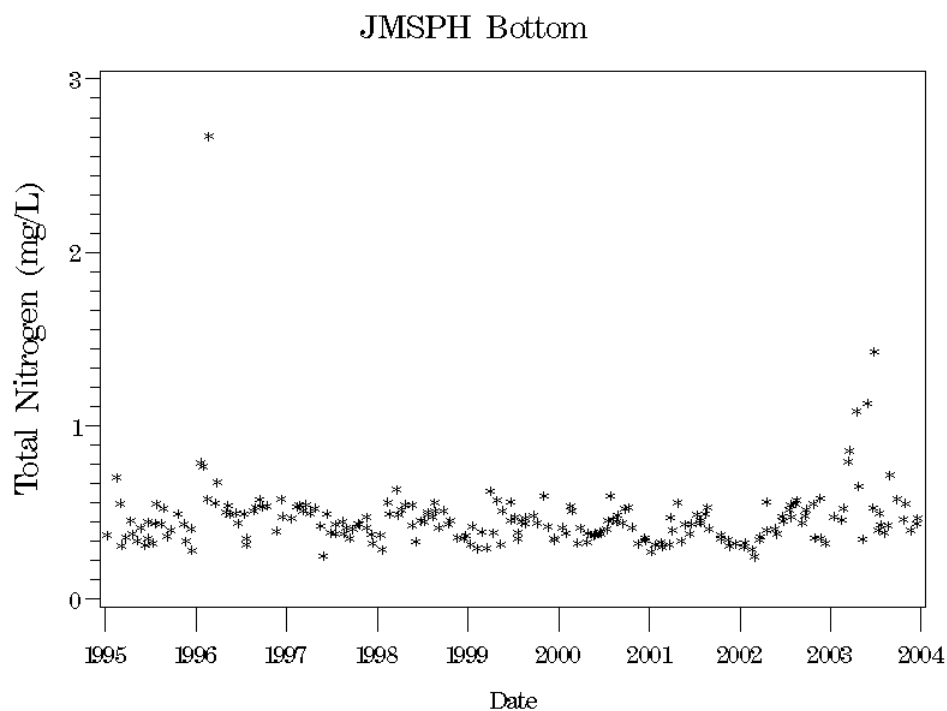
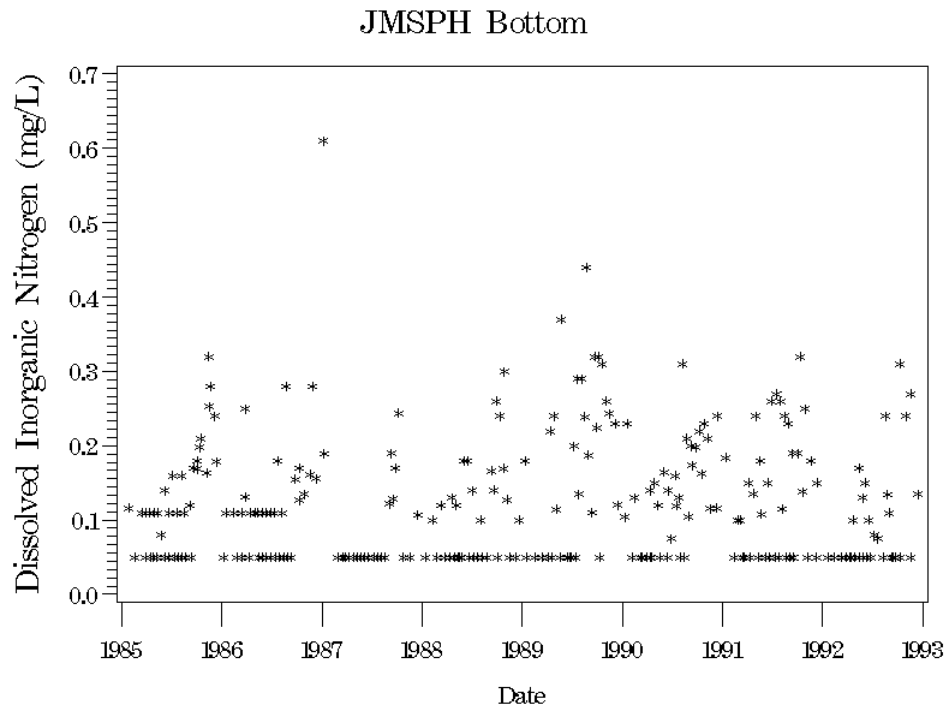


Figure 11. Scatterplots of bottom total nitrogen at segment JMSPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

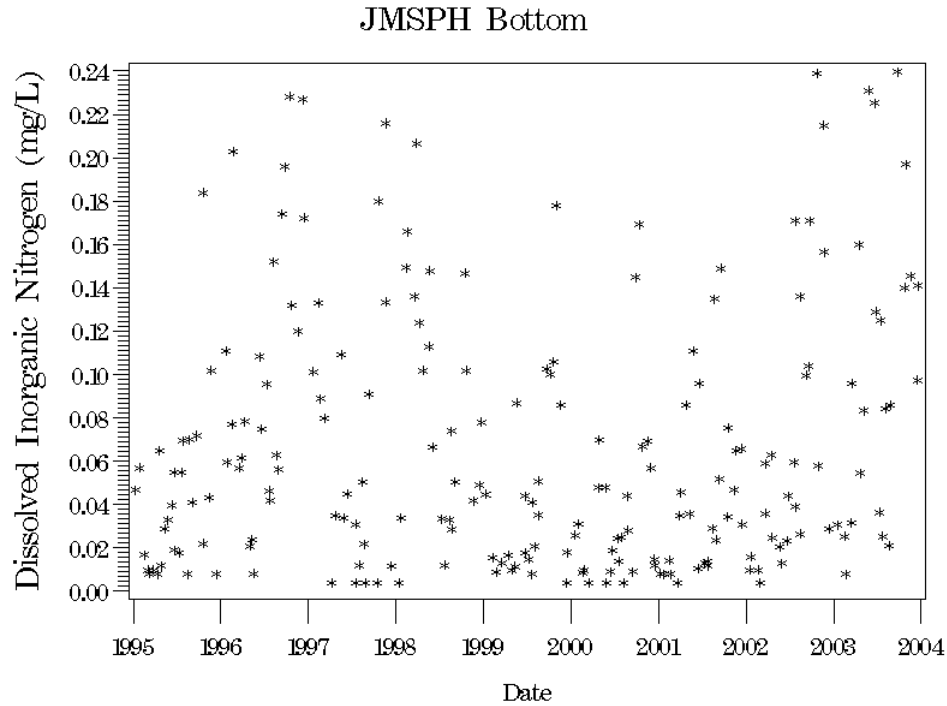
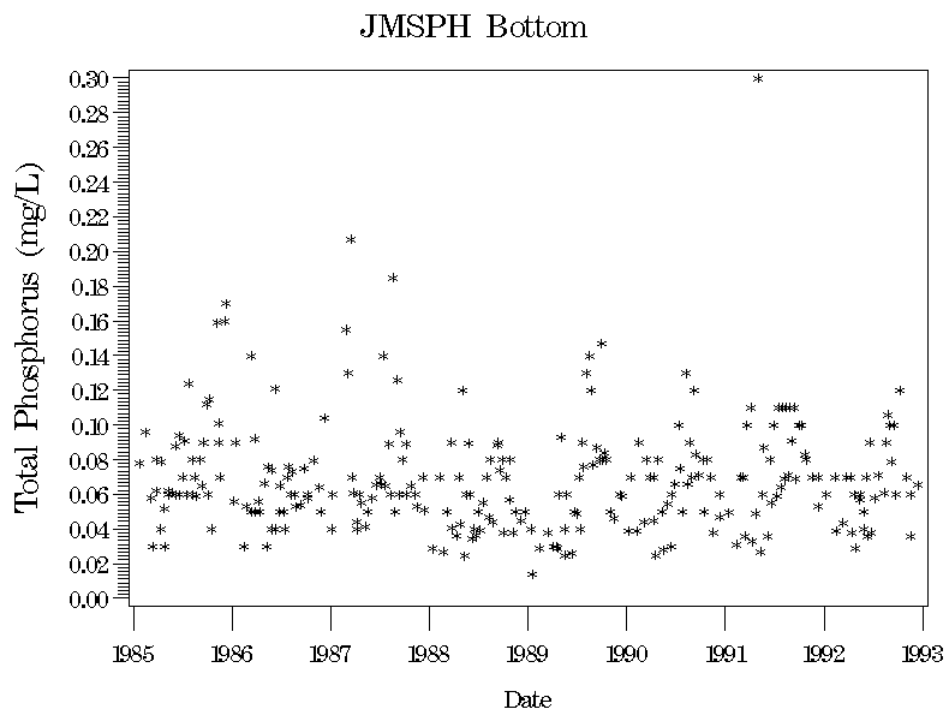


Figure 12. Scatterplots of bottom dissolved inorganic nitrogen at segment JMSPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

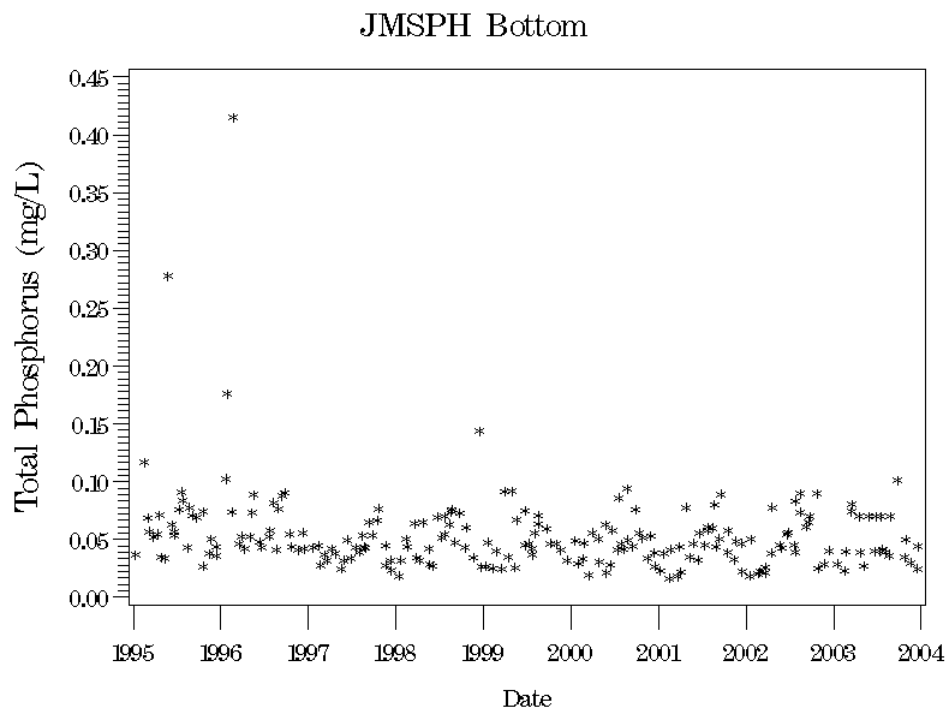
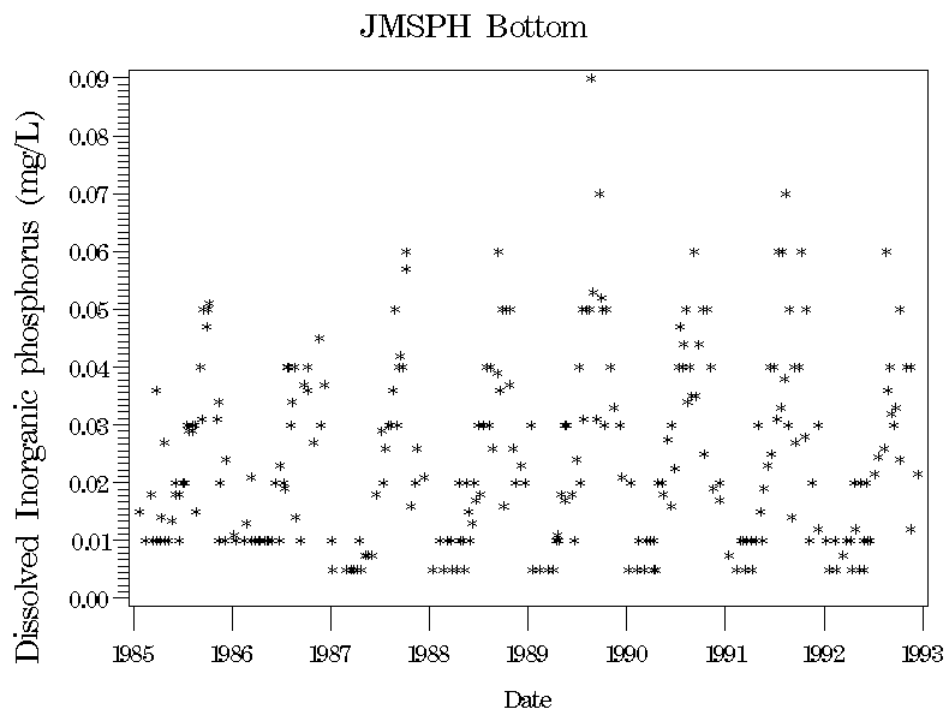


Figure 13. Scatterplots of bottom total phosphorus at segment JMSPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.



a) Pre-method change period



b) Post-method change period

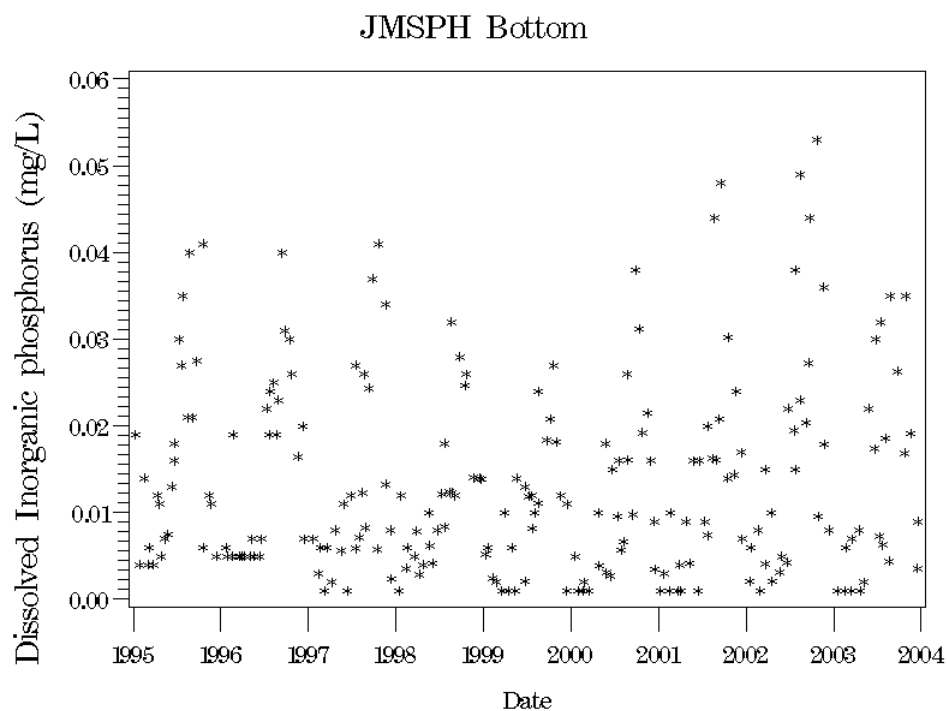


Figure 14. Scatterplots of bottom dissolved inorganic phosphorus at segment JMSPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

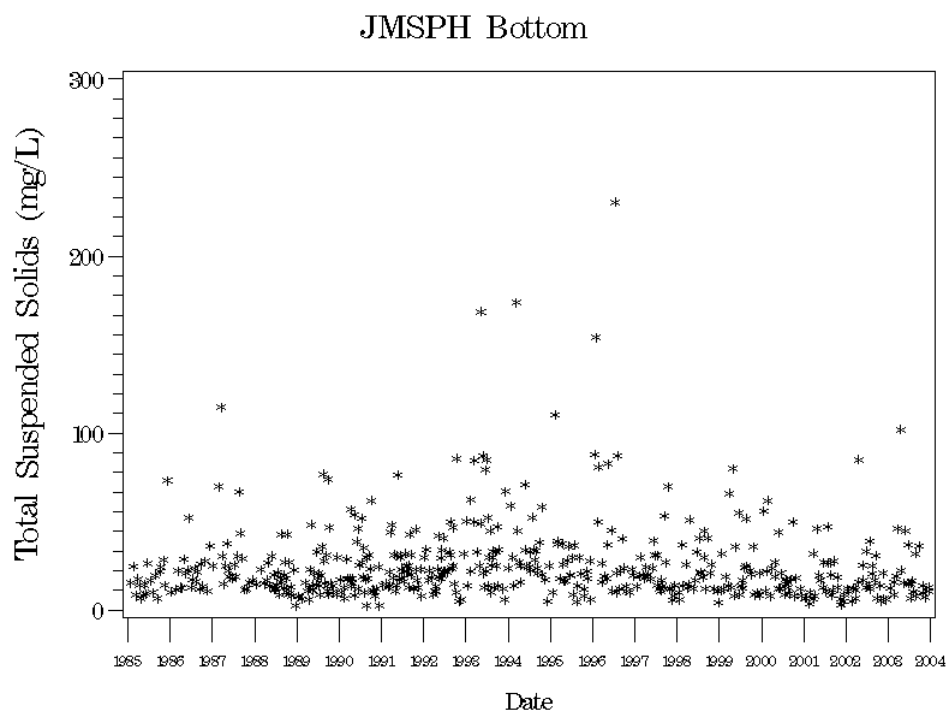


Figure 15. Scatterplot of bottom total suspended solids at segment JMSPH during the period 1985 to 2003.

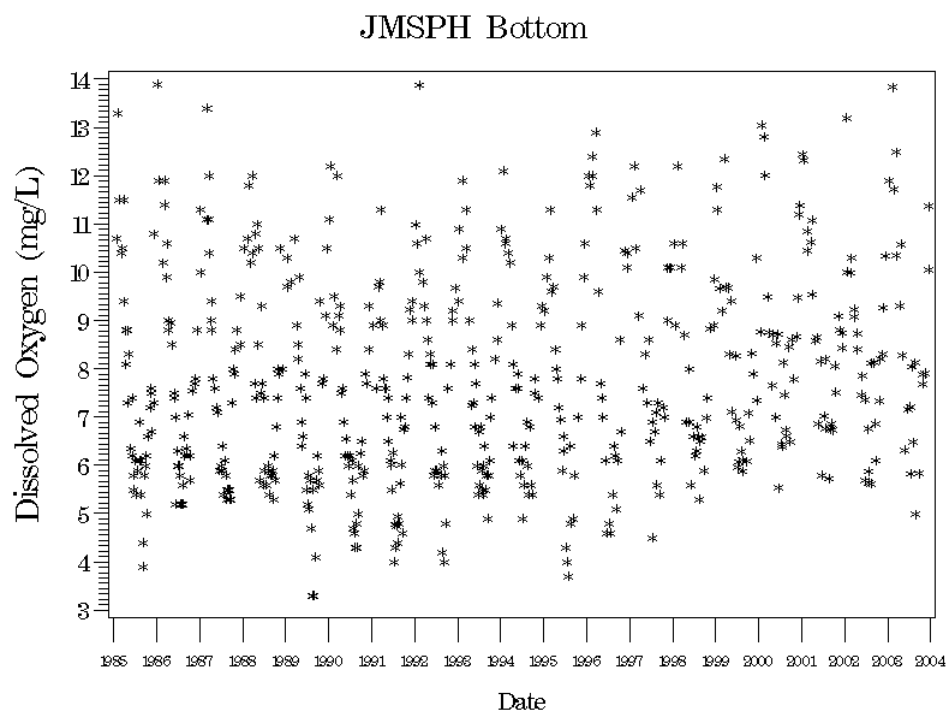


Figure 16. Scatterplot of bottom dissolved oxygen at segment JMSPH during the period 1985 to 2003.

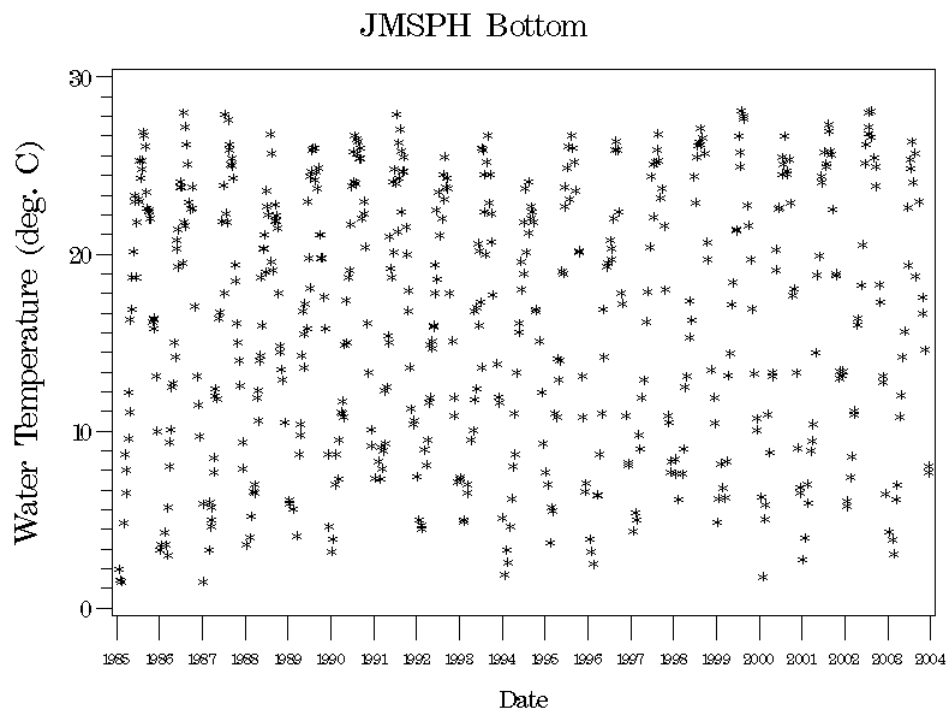


Figure 17. Scatterplot of bottom water temperature at segment JMSPH during the period 1985 to 2003.

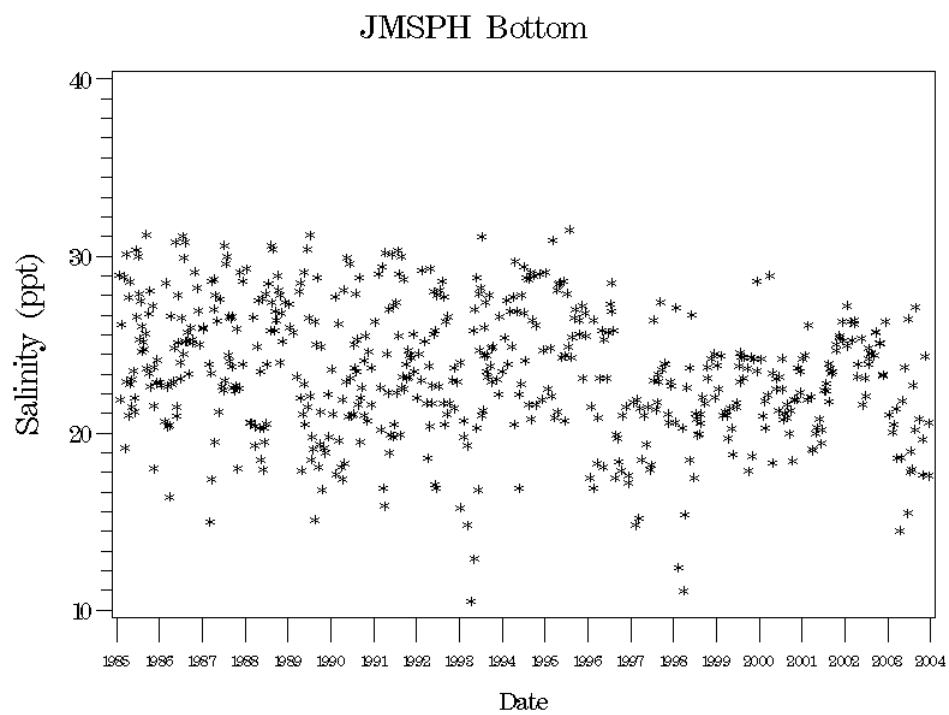
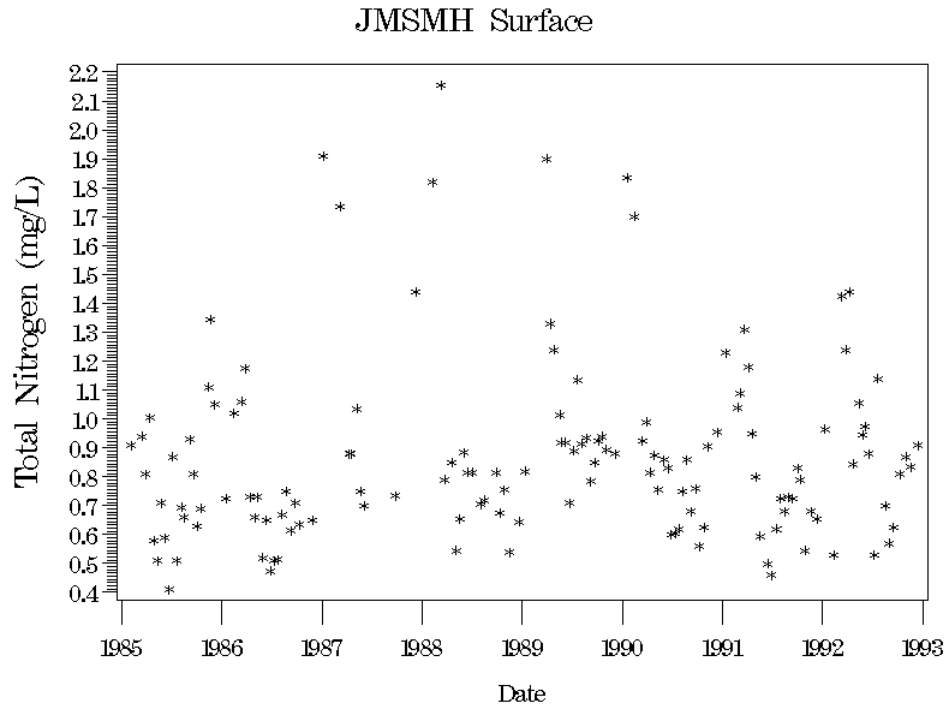


Figure 18. Scatterplot of bottom salinity at segment JMSPH during the period 1985 to 2003.

a) Pre-method change period



b) Post-method change period

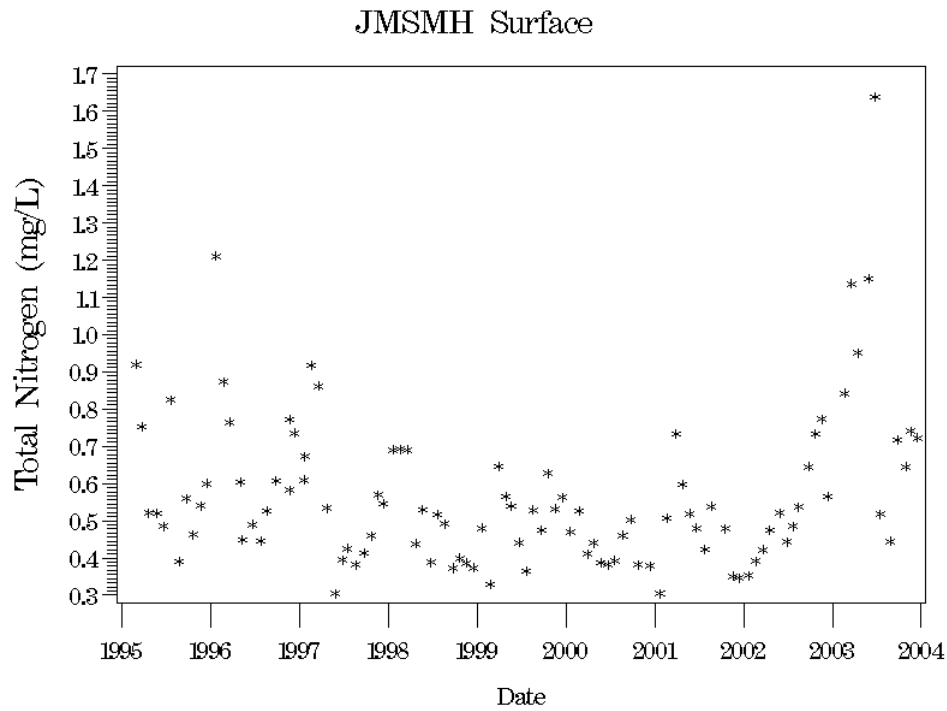
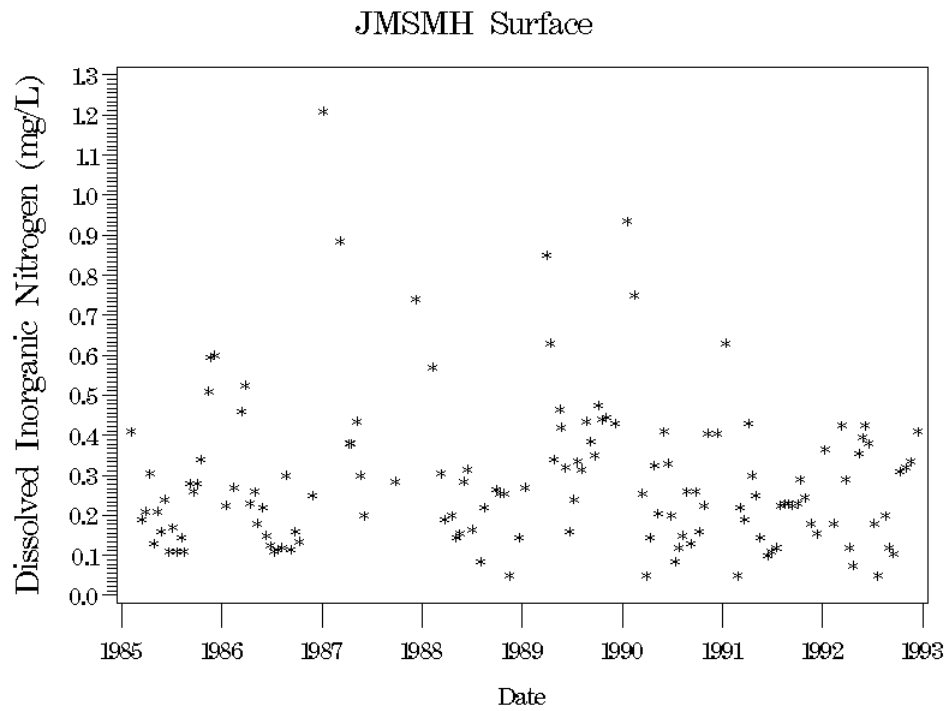


Figure 19. Scatterplots of surface total nitrogen at segment JMSMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

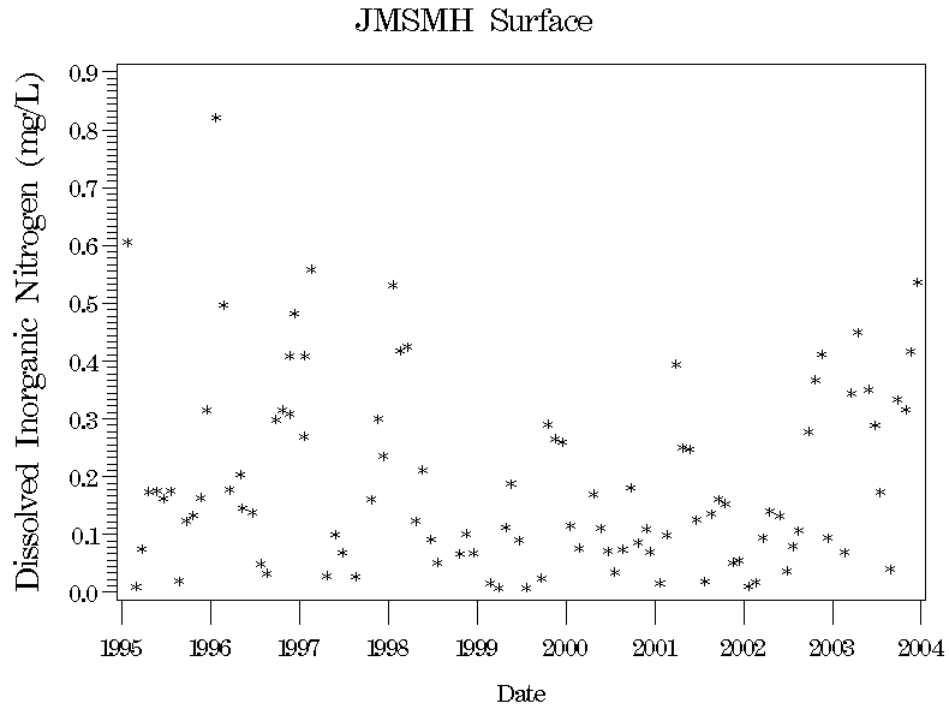
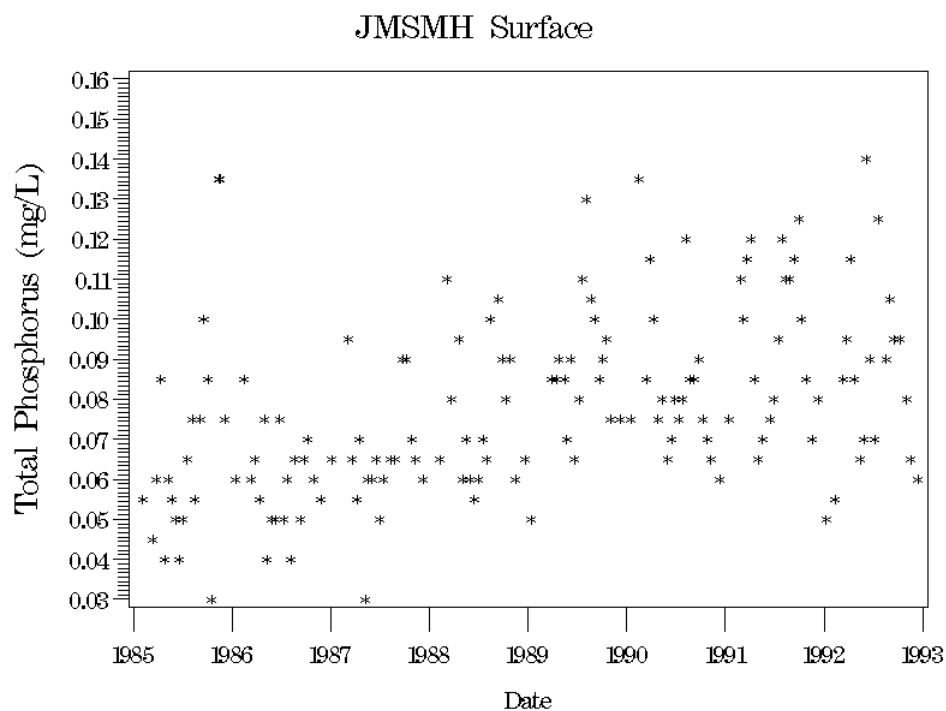


Figure 20. Scatterplots of surface dissolved inorganic nitrogen at segment JMSMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

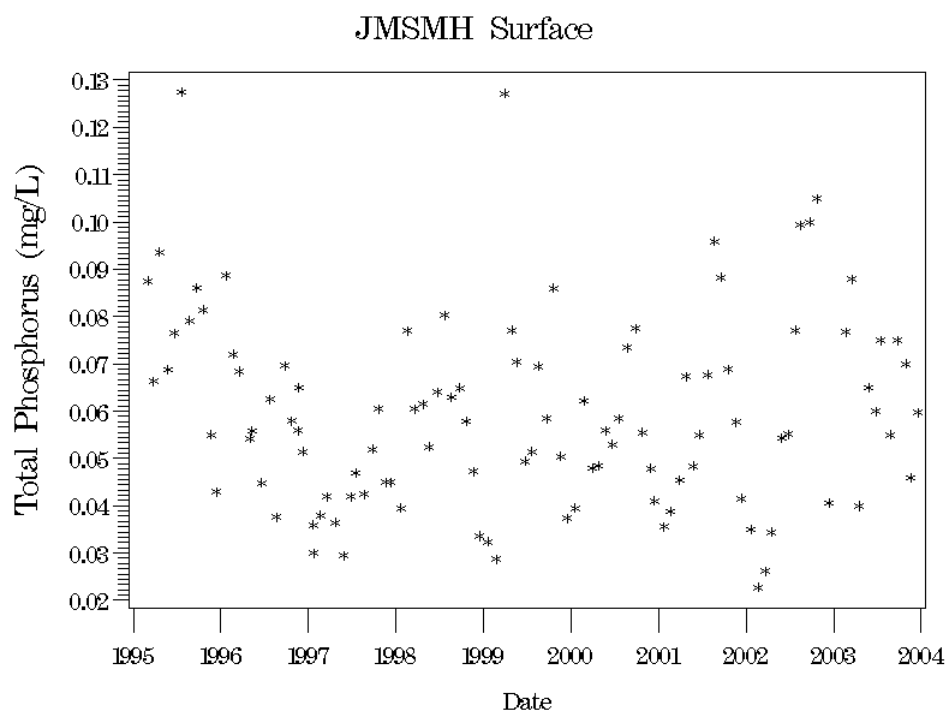
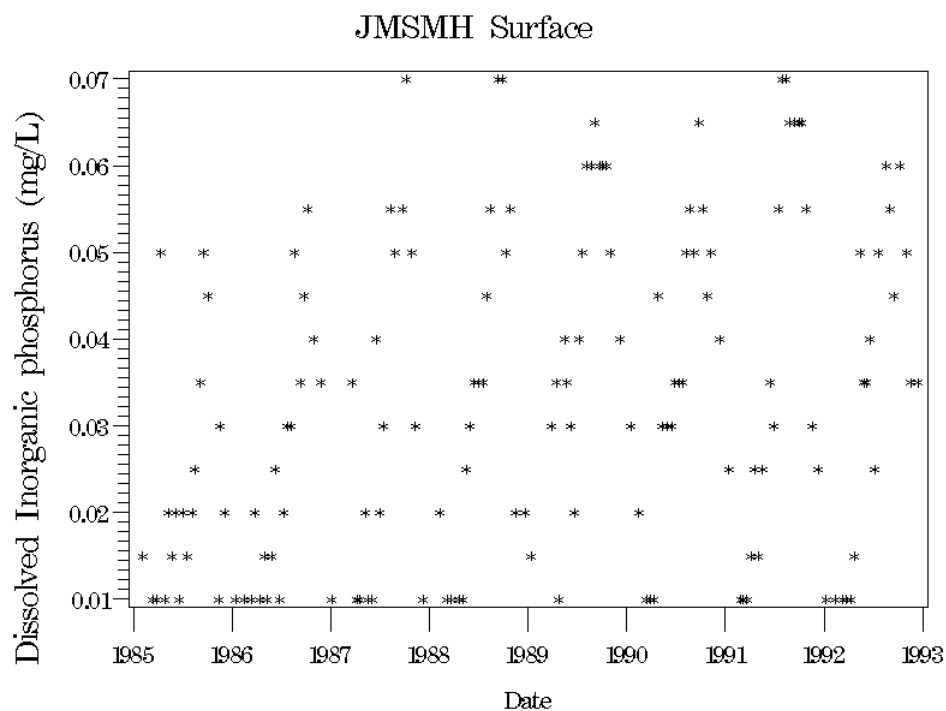


Figure 21. Scatterplots of surface total phosphorus at segment JMSMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.



a) Pre-method change period



b) Post-method change period

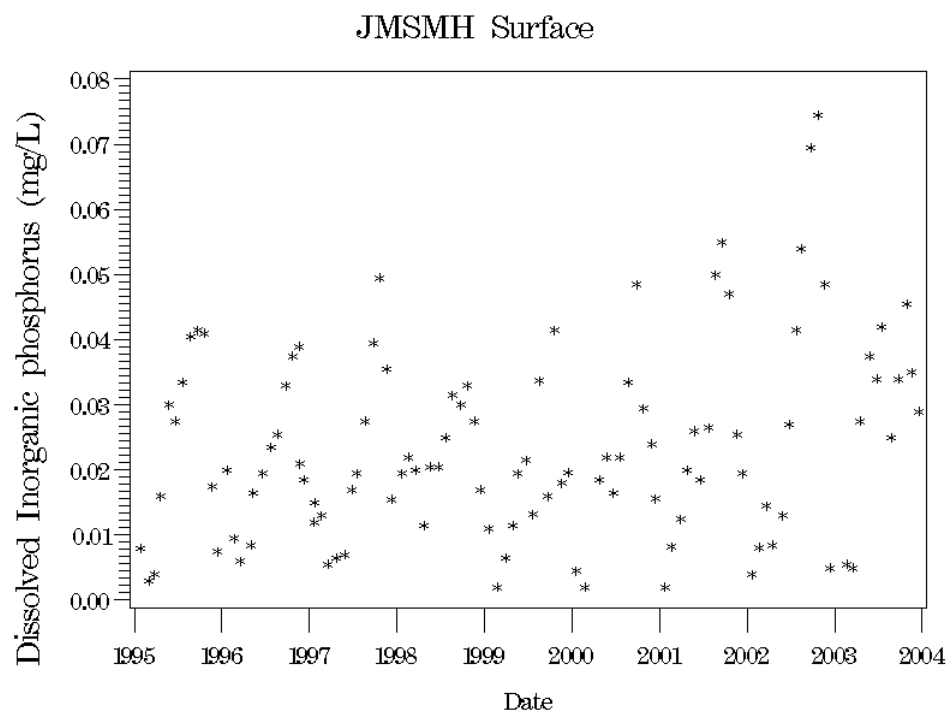


Figure 22. Scatterplots of surface dissolved inorganic phosphorus at segment JMSMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

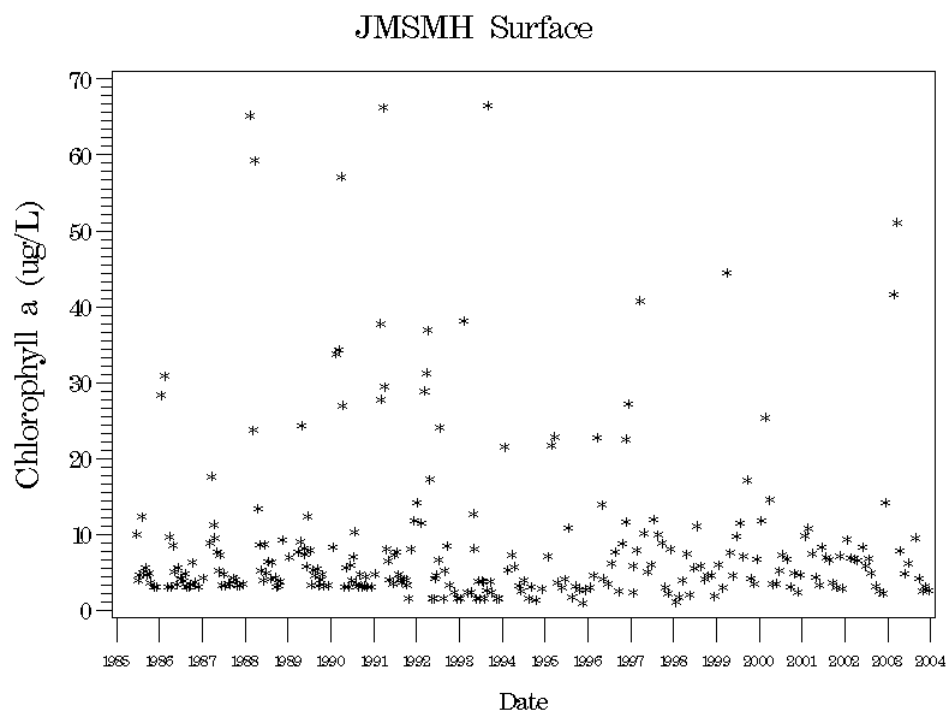


Figure 23. Scatterplot of surface chlorophyll *a* at segment JMSMH during the period 1985 to 2003.

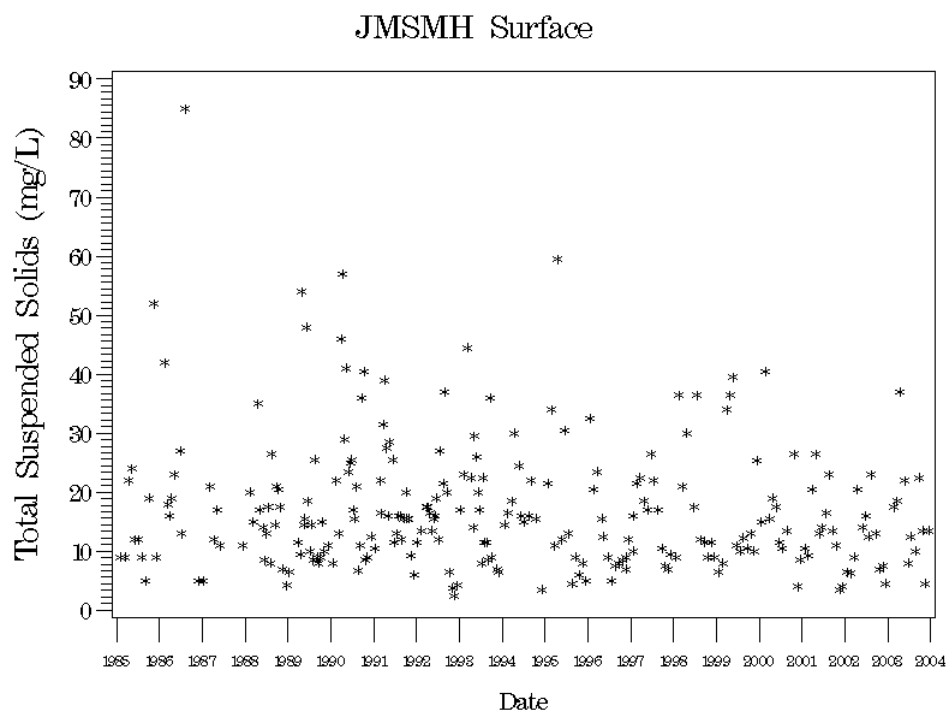


Figure 24. Scatterplot of surface total suspended solids at segment JMSMH during the period 1985 to 2003.

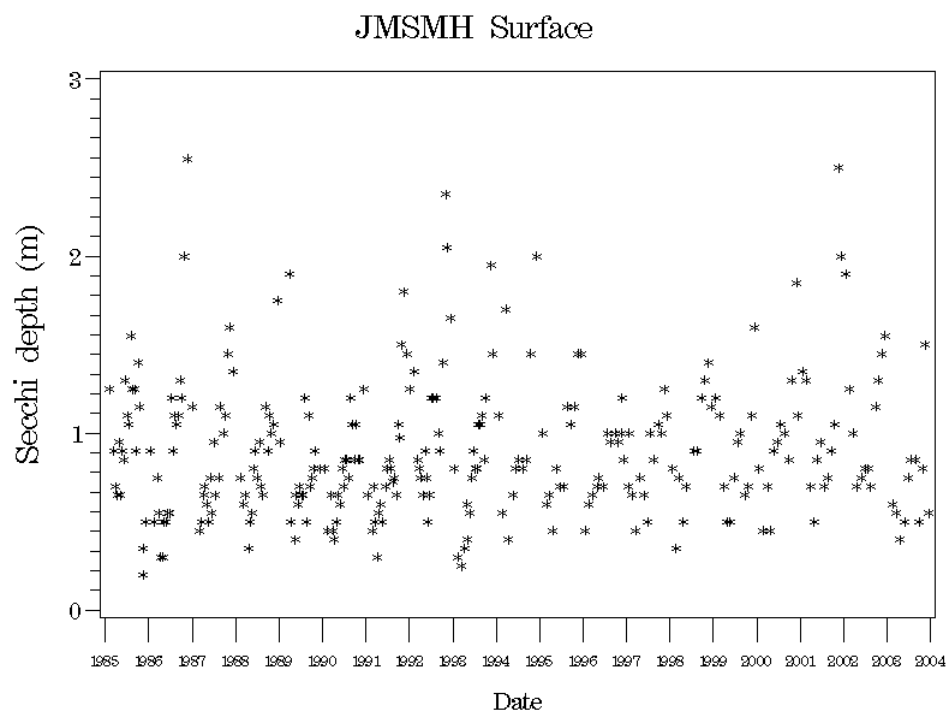


Figure 25. Scatterplot of secchi depth at segment JMSMH during the period 1985 to 2003.

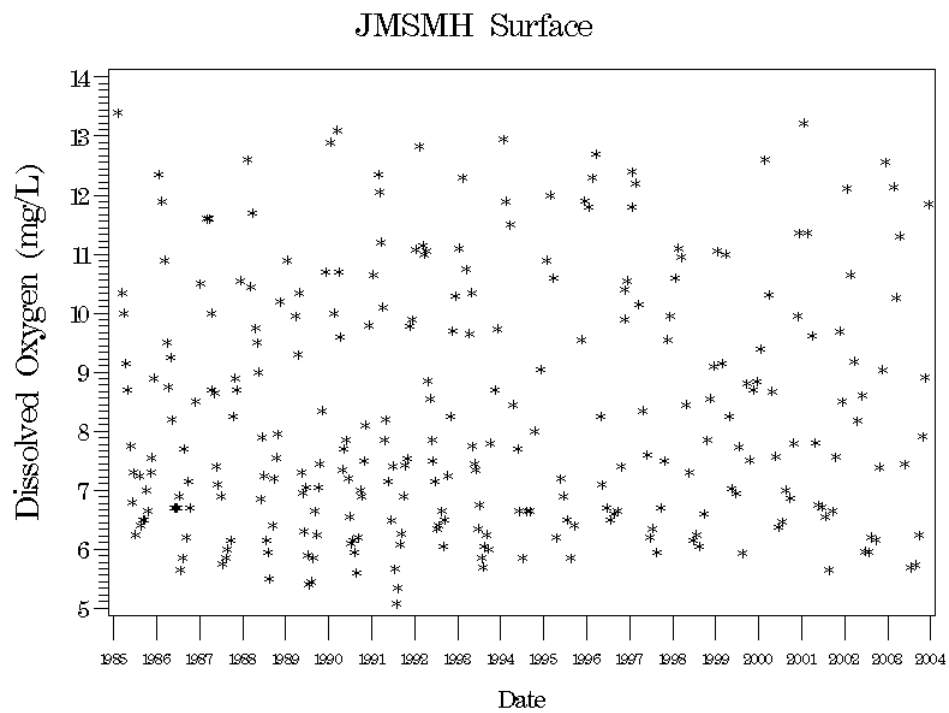


Figure 26. Scatterplot of surface dissolved oxygen at segment JMSMH during the period 1985 to 2003.

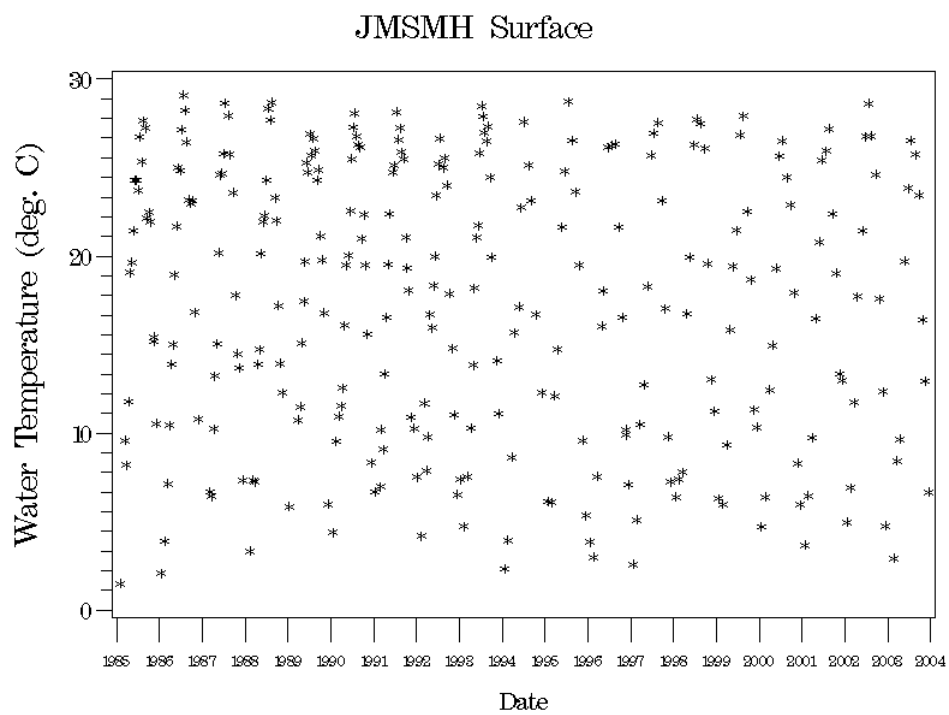


Figure 27. Scatterplot of surface water temperature at segment JMSMH during the period 1985 to 2003.

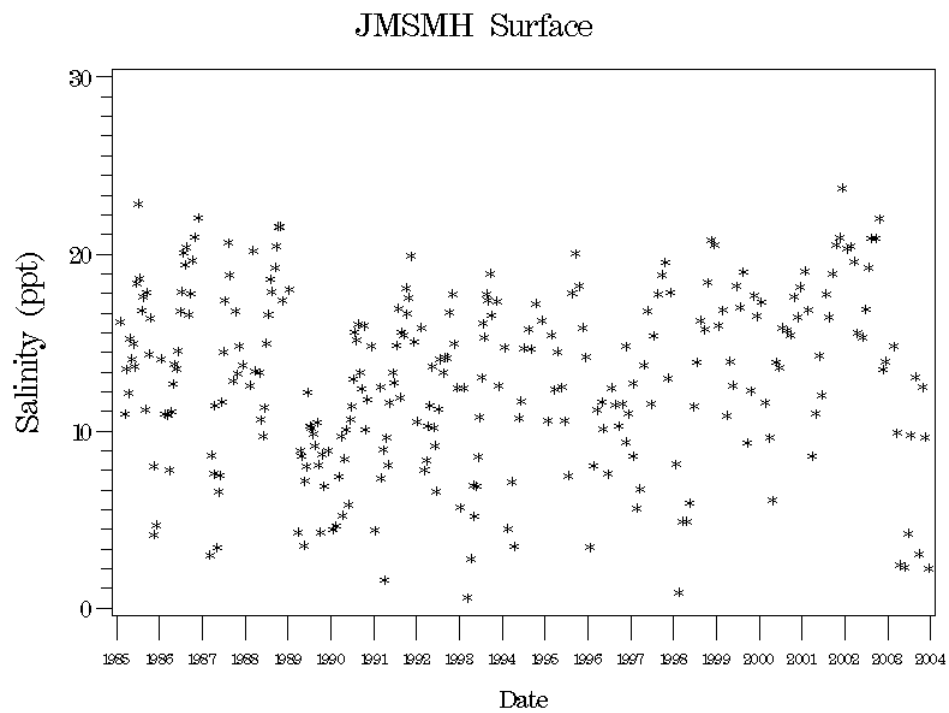
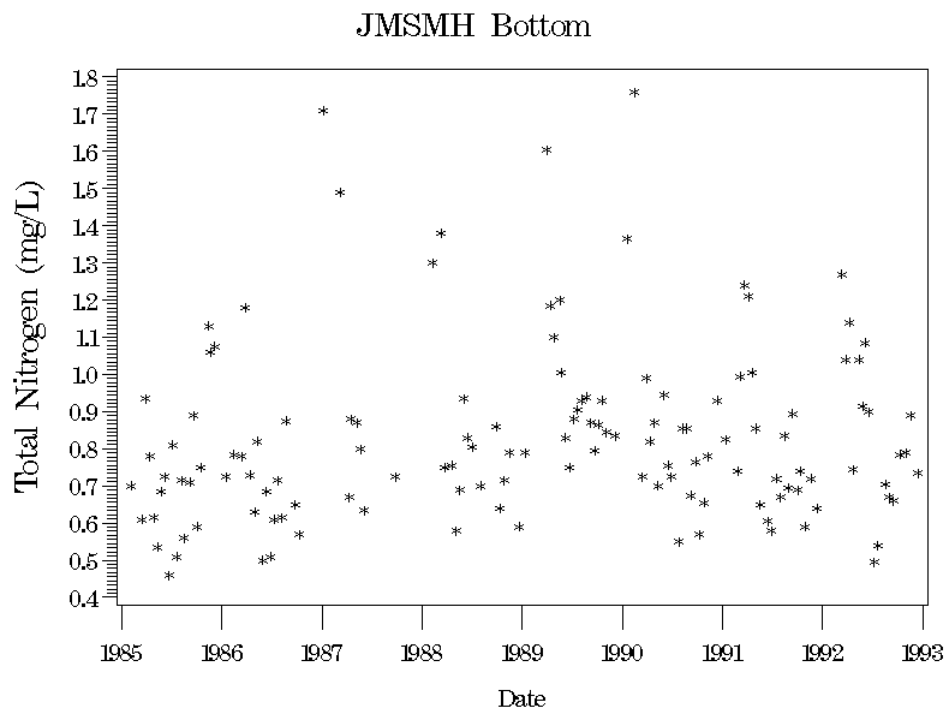


Figure 28. Scatterplot of surface salinity at segment JMSMH during the period 1985 to 2003.

a) Pre-method change period



b) Post-method change period

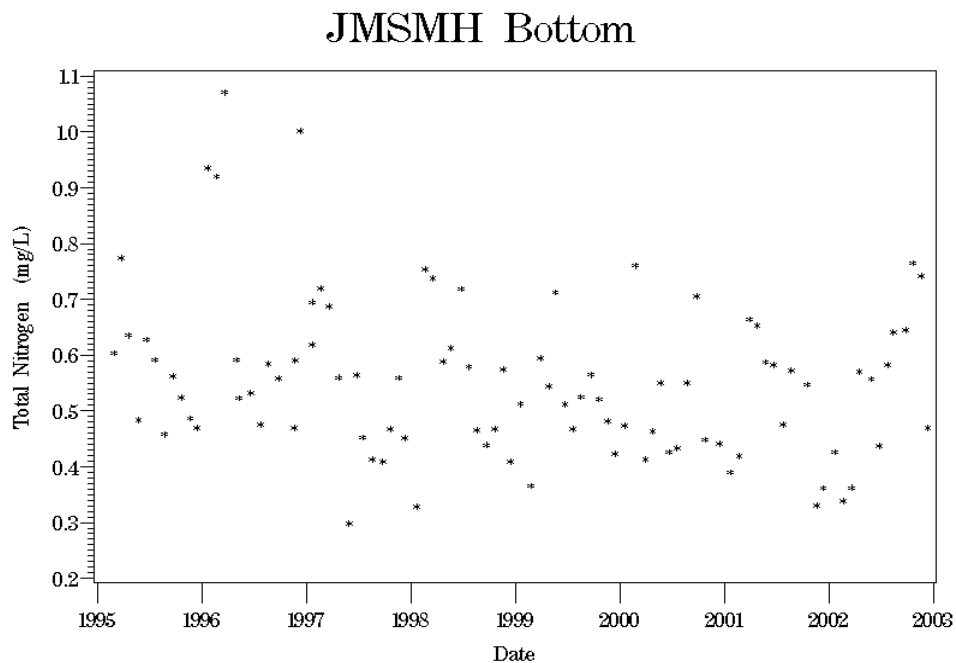
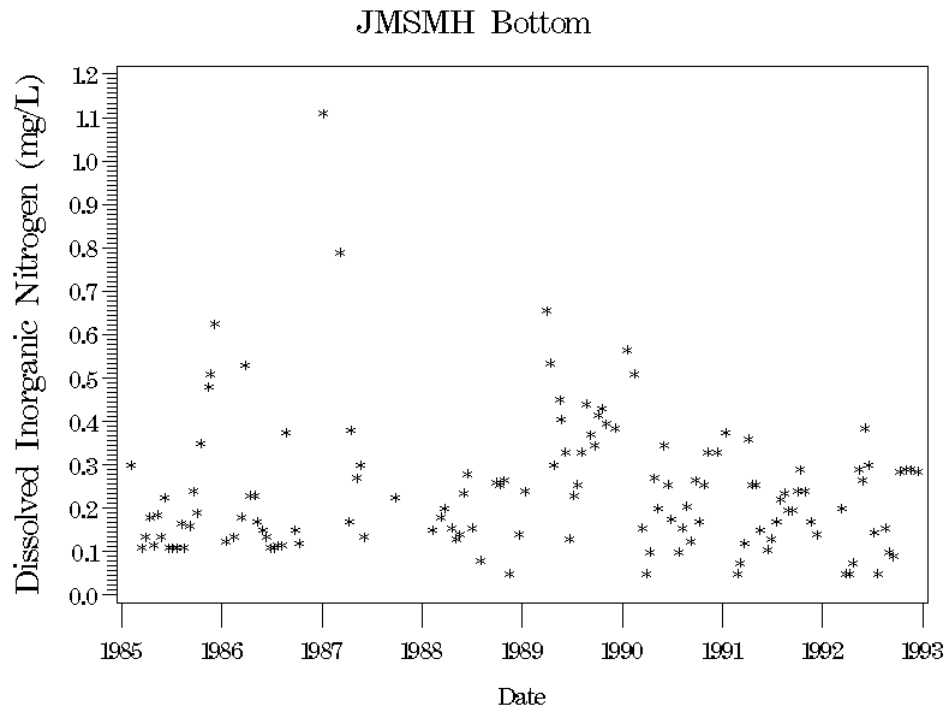


Figure 29. Scatterplots of bottom total nitrogen at segment JMSMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.



a) Pre-method change period



b) Post-method change period

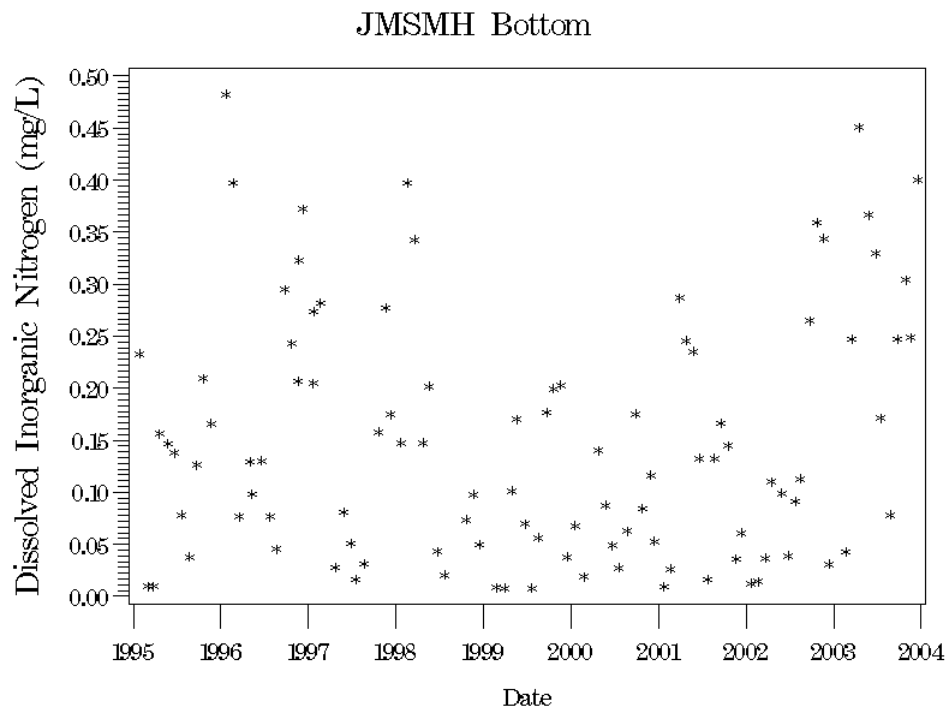
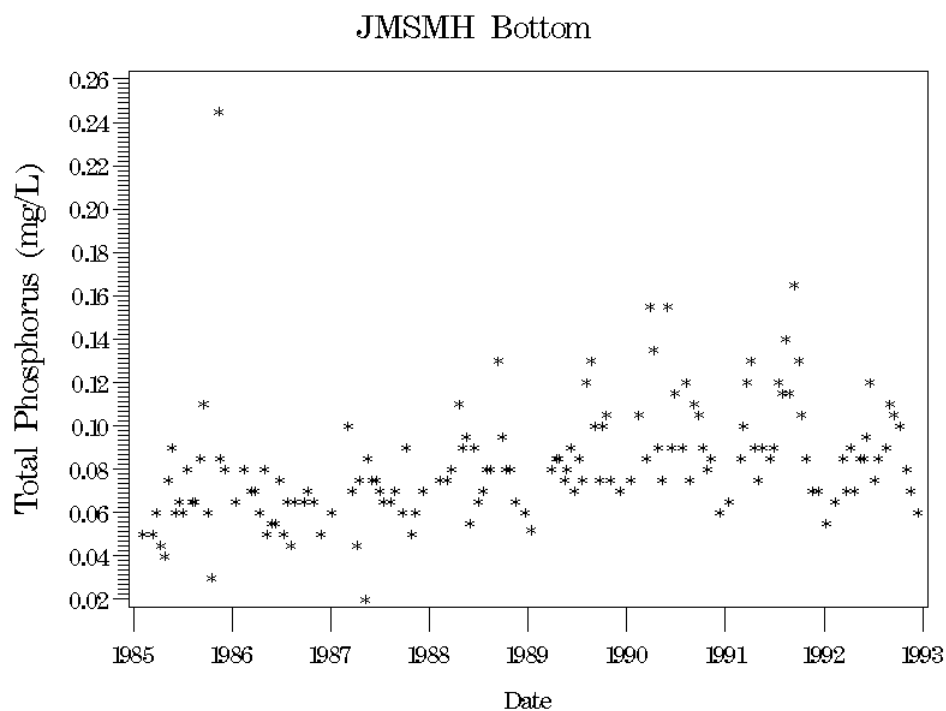


Figure 30. Scatterplots of bottom dissolved inorganic nitrogen at segment JMSMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

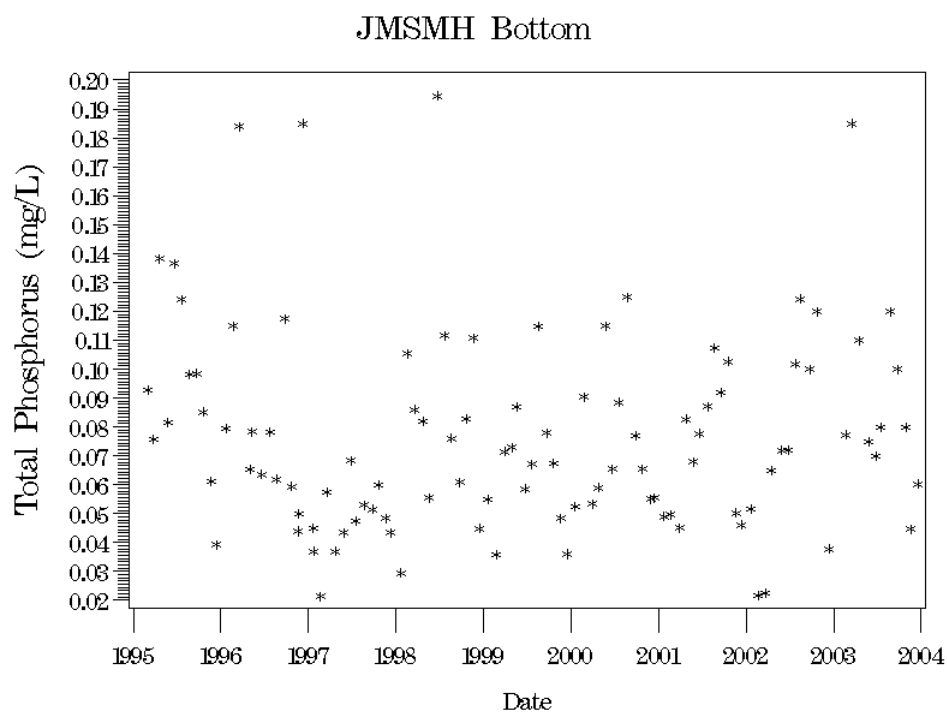
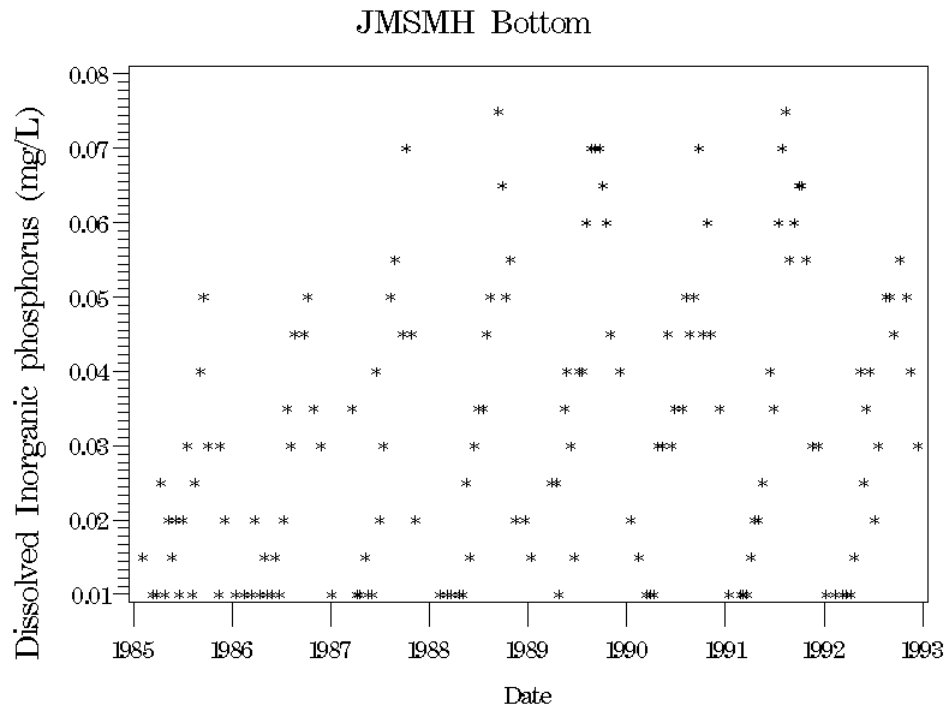


Figure 31. Scatterplots of bottom total phosphorus at segment JMSMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

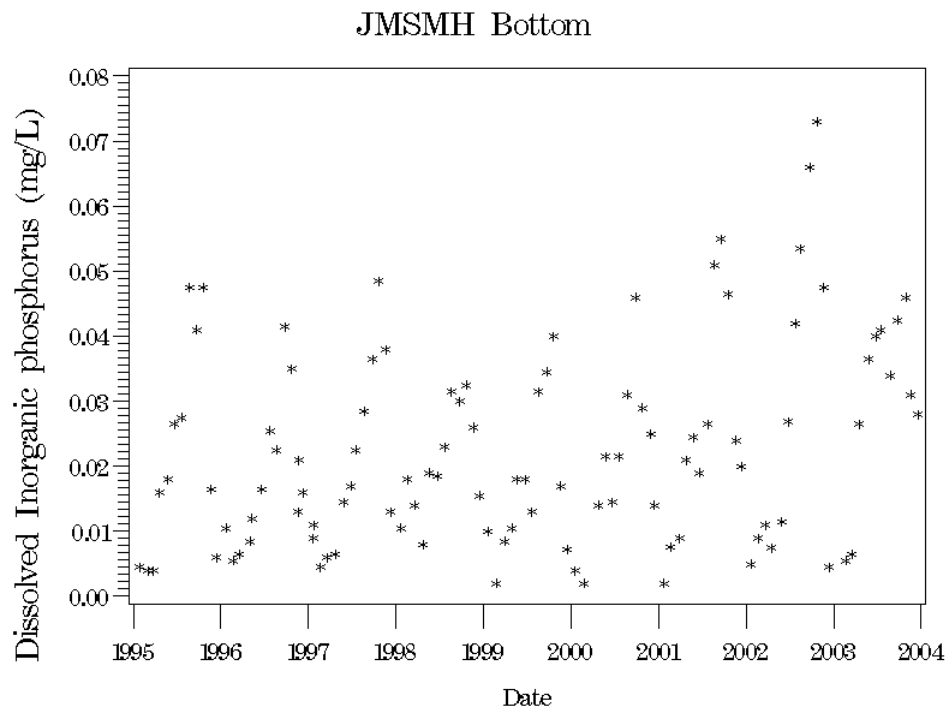


Figure 32. Scatterplots of bottom dissolved inorganic phosphorus at segment JMSMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

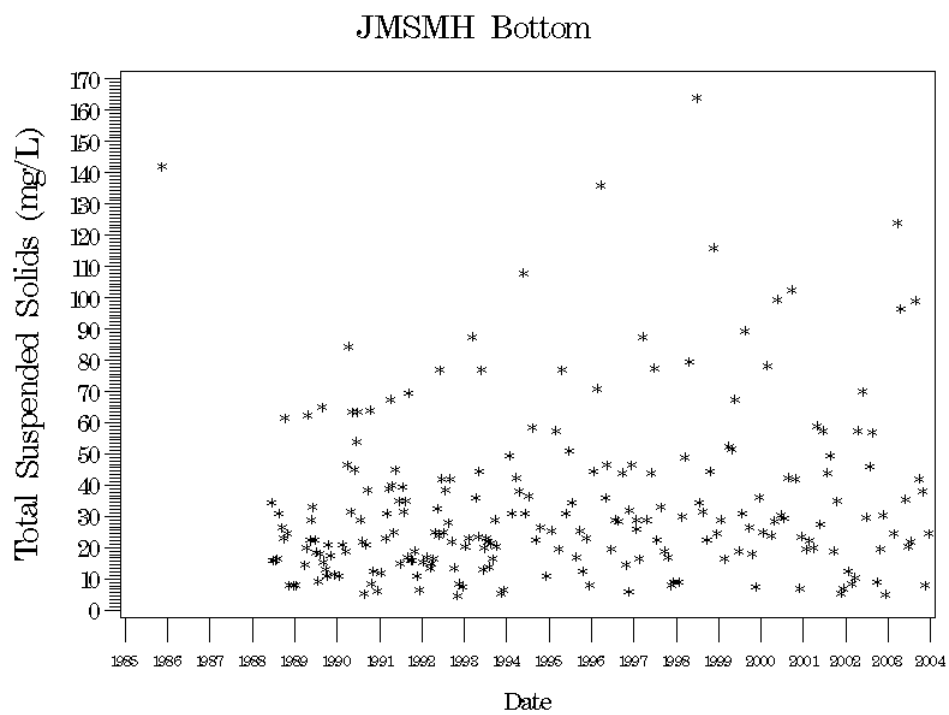


Figure 33. Scatterplot of bottom total suspended solids at segment JMSMH during the period 1985 to 2003.

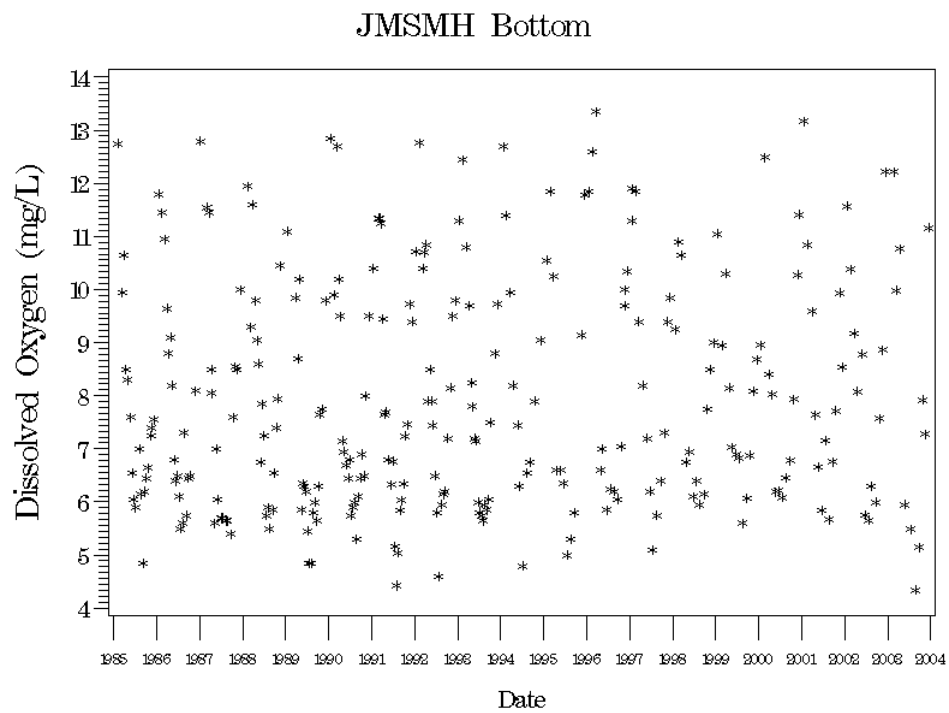


Figure 34. Scatterplot of bottom dissolved oxygen at segment JMSMH during the period 1985 to 2003.

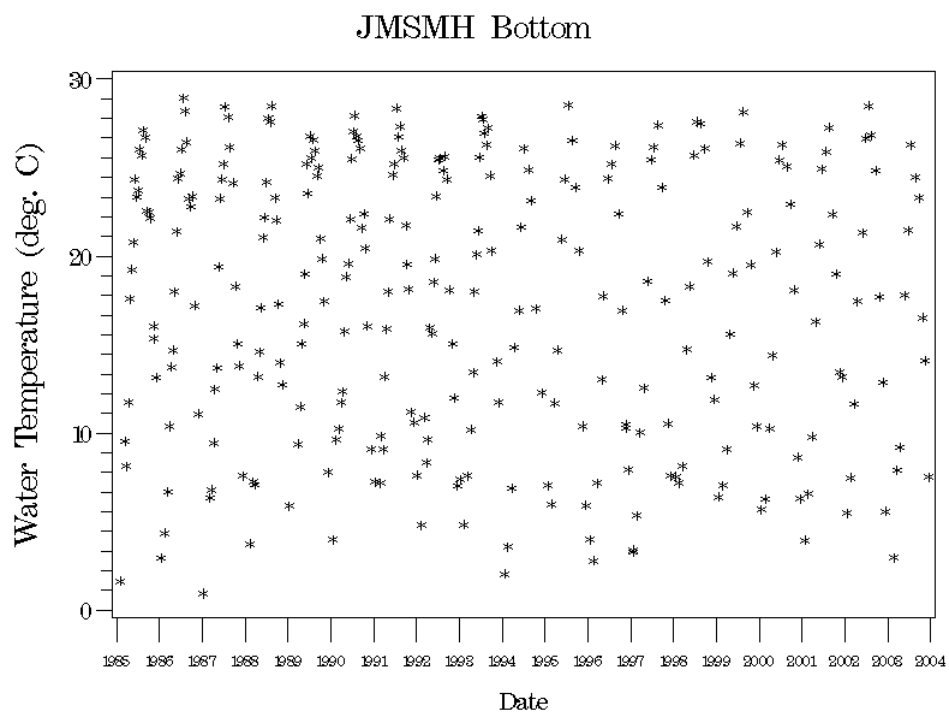


Figure 35. Scatterplot of bottom water temperature at segment JMSMH during the period 1985 to 2003.

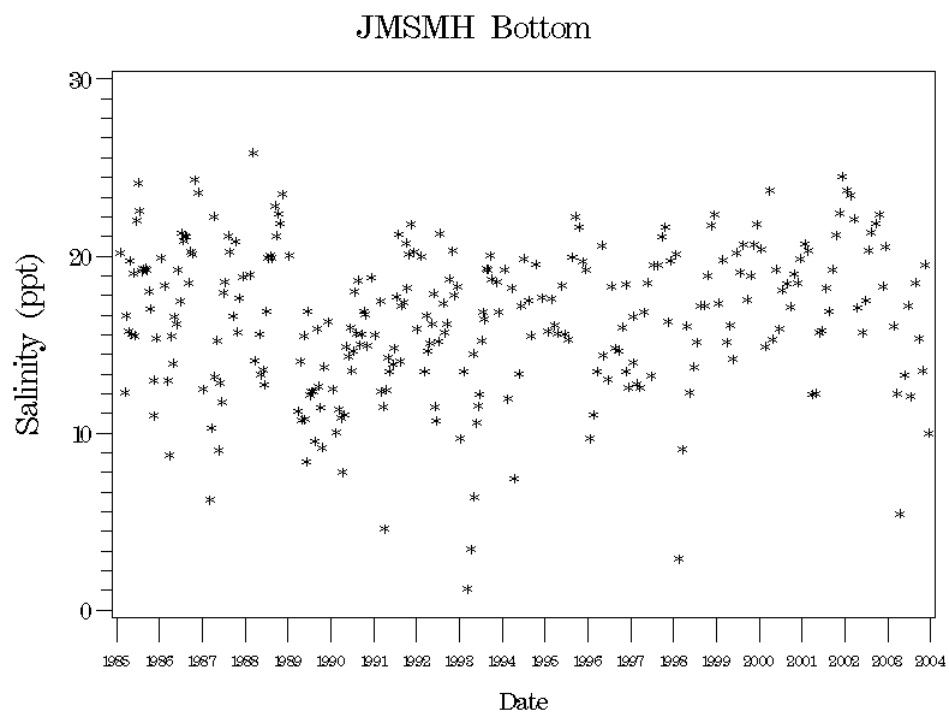
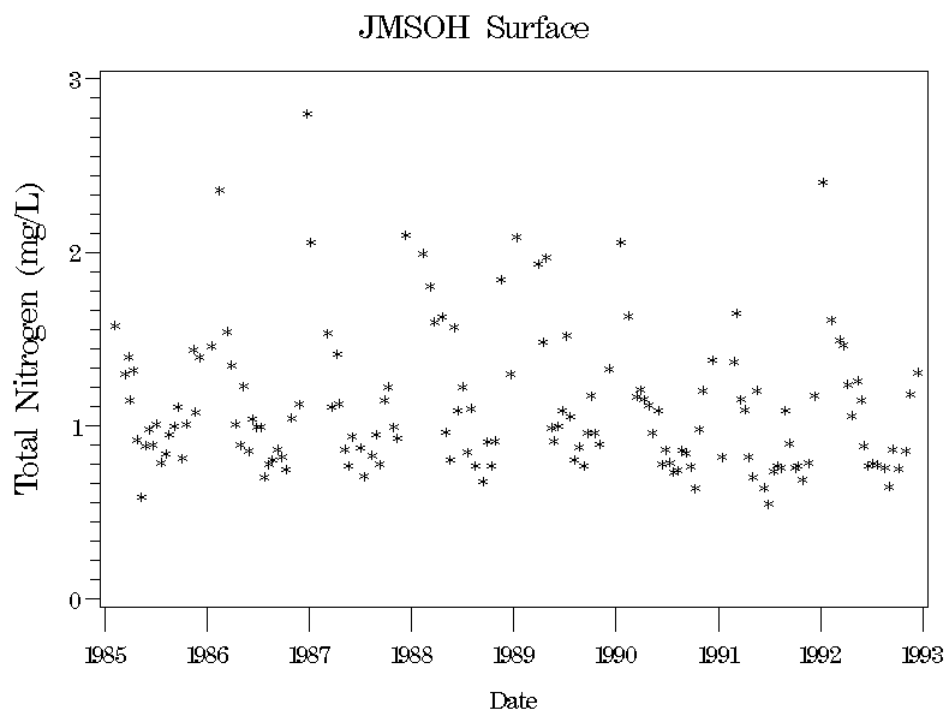


Figure 36. Scatterplot of bottom salinity at segment JMSMH during the period 1985 to 2003.

a) Pre-method change period



b) Post-method change period

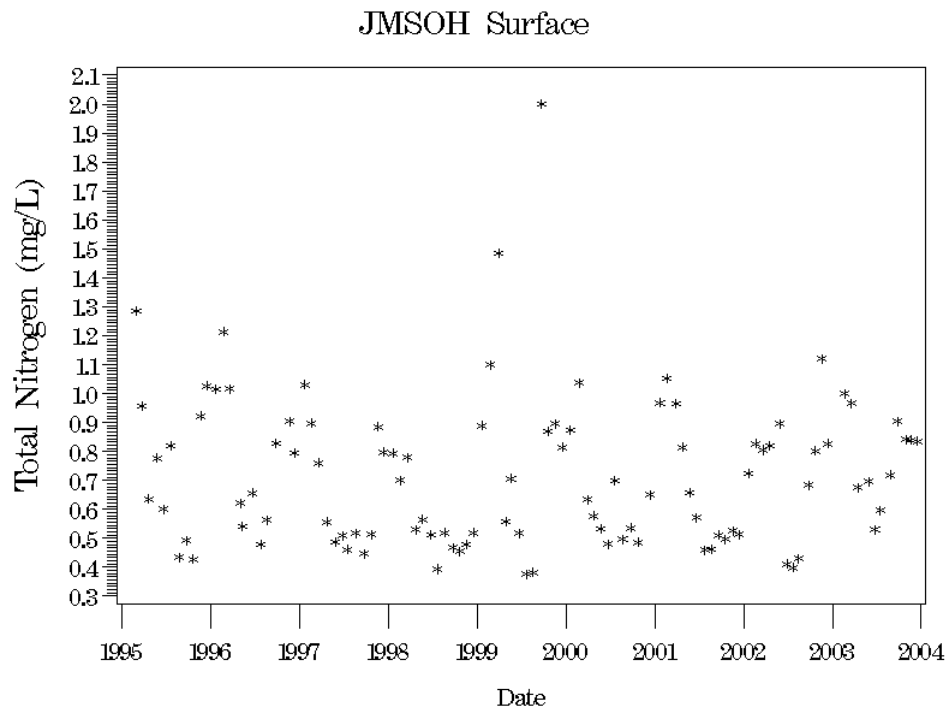
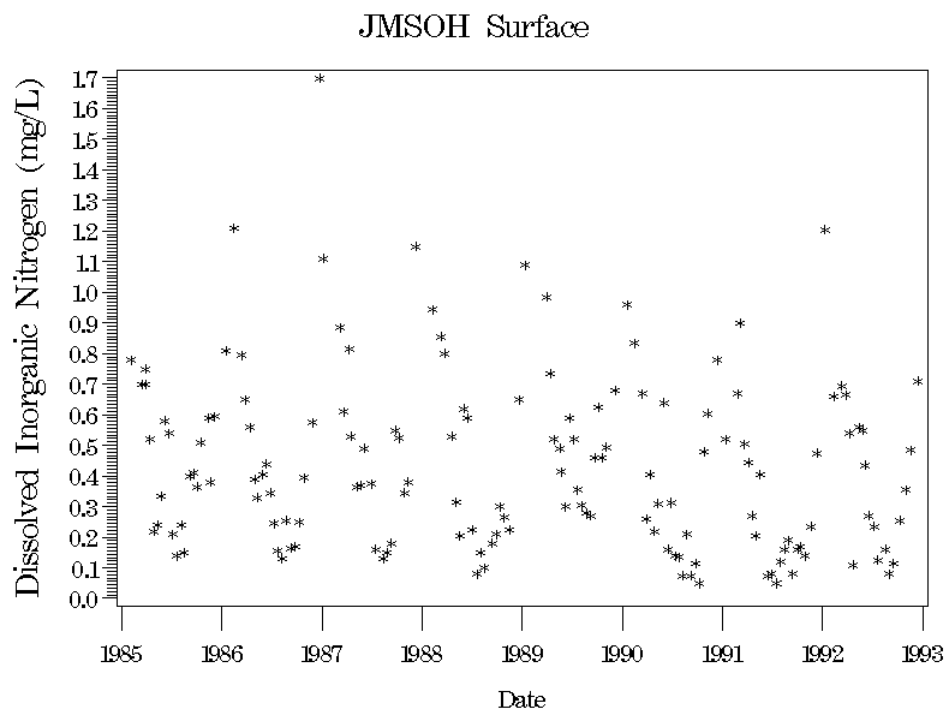


Figure 37. Scatterplots of surface total nitrogen at segment JMSOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.



a) Pre-method change period



b) Post-method change period

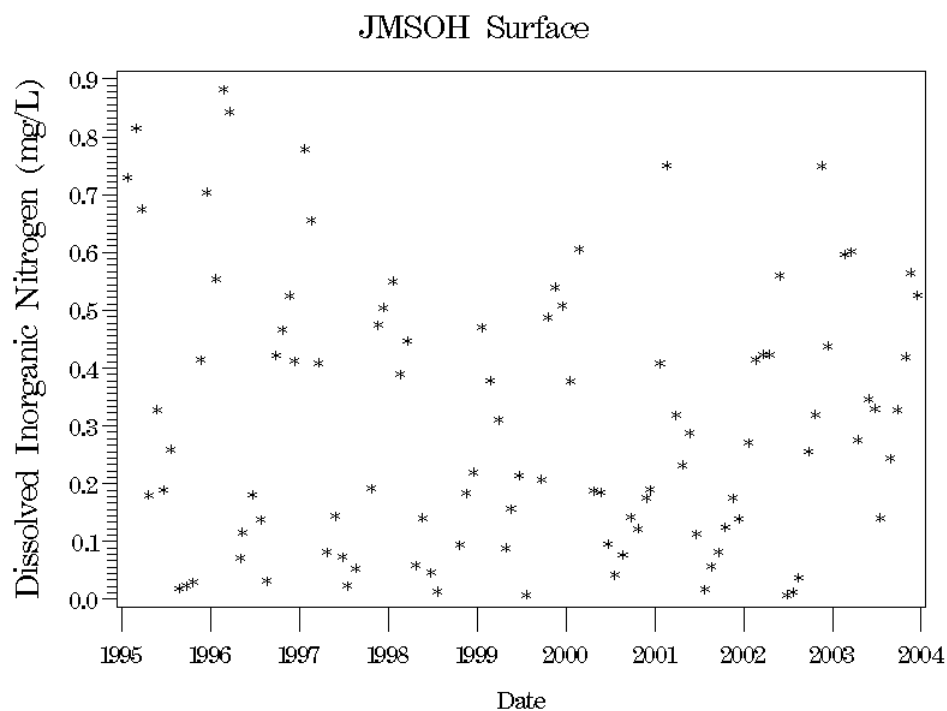
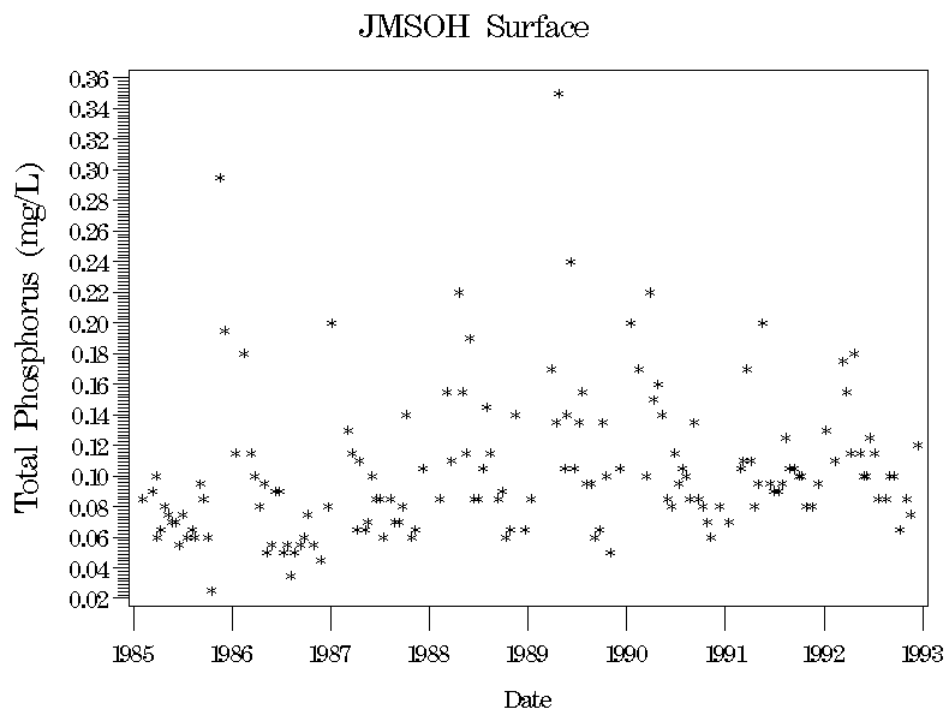


Figure 38. Scatterplots of surface dissolved inorganic nitrogen at segment JMSOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

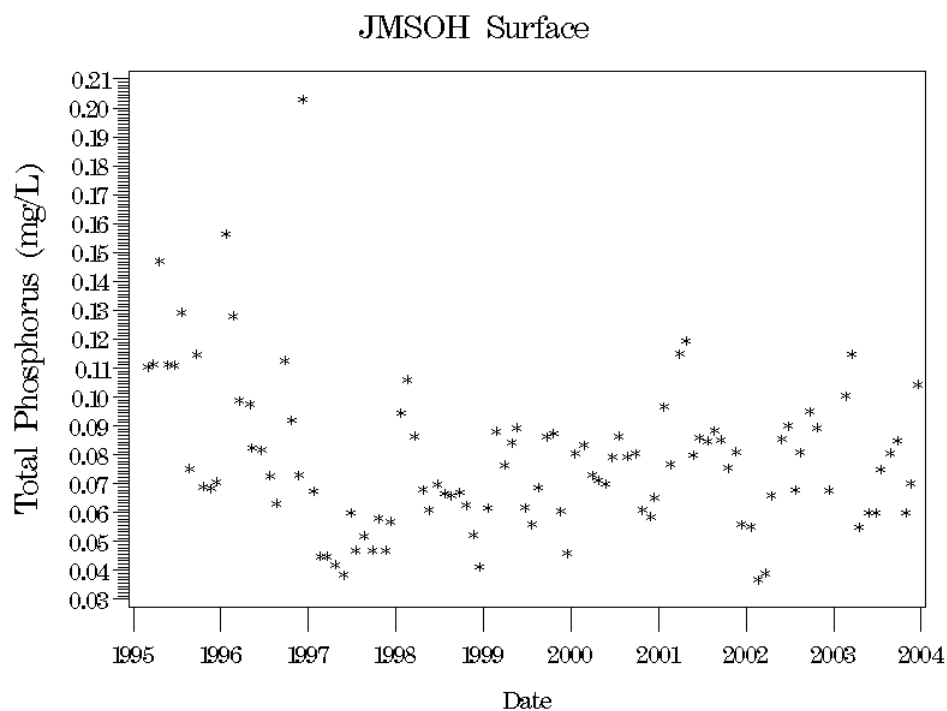
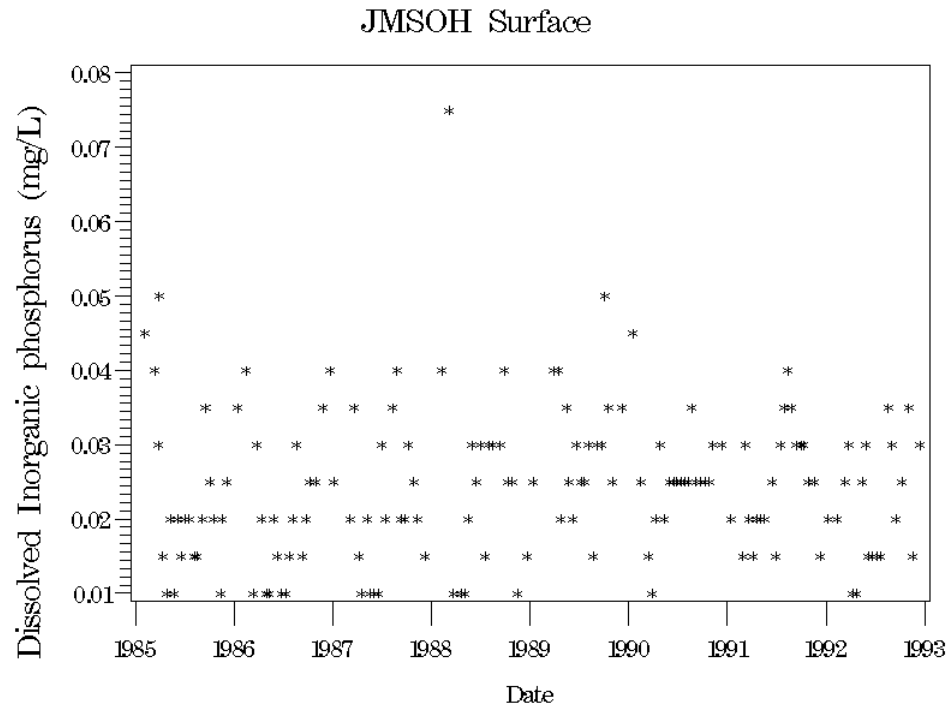


Figure 39. Scatterplots of surface total phosphorus at segment JMSOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

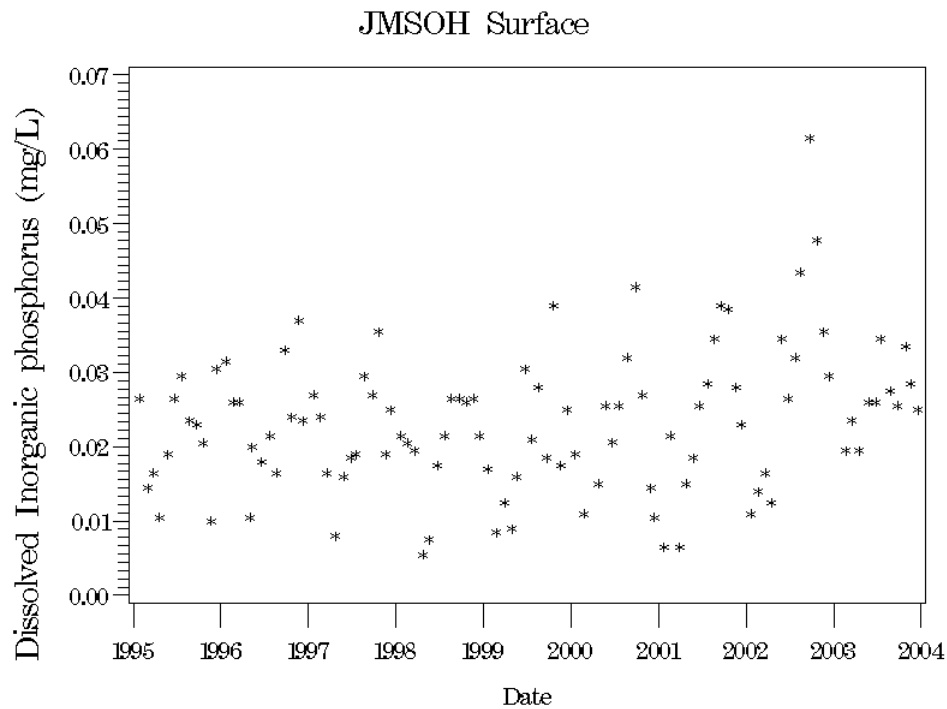


Figure 40. Scatterplots of surface dissolved inorganic phosphorus at segment JMSOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

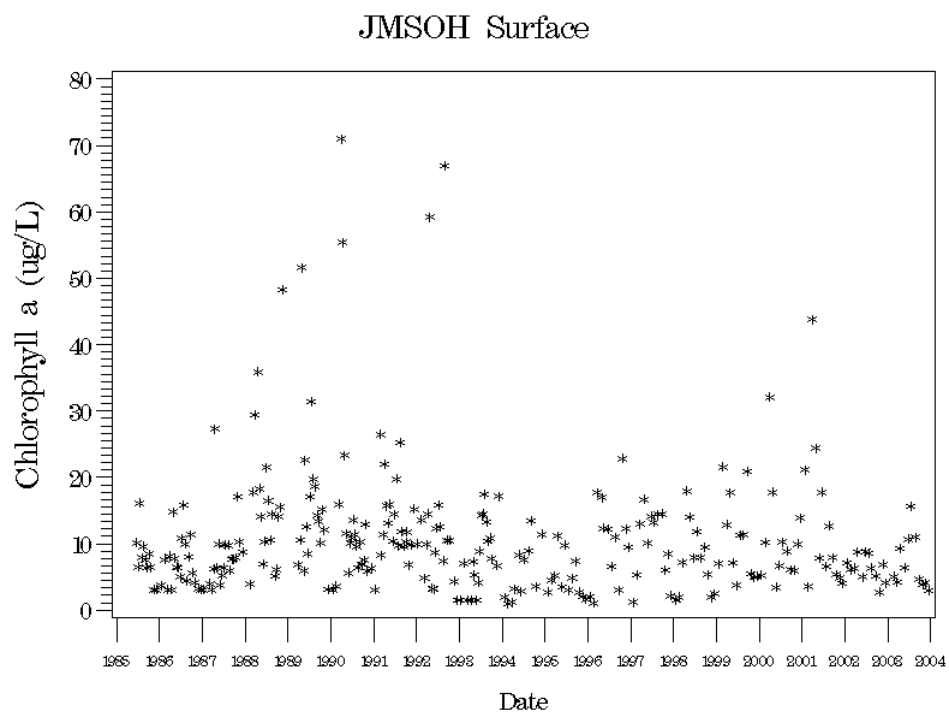
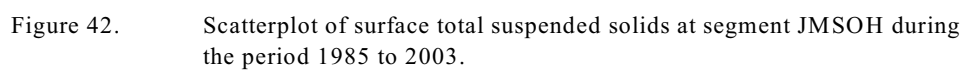


Figure 41. Scatterplot of surface chlorophyll *a* at segment JMSOH during the period 1985 to 2003.



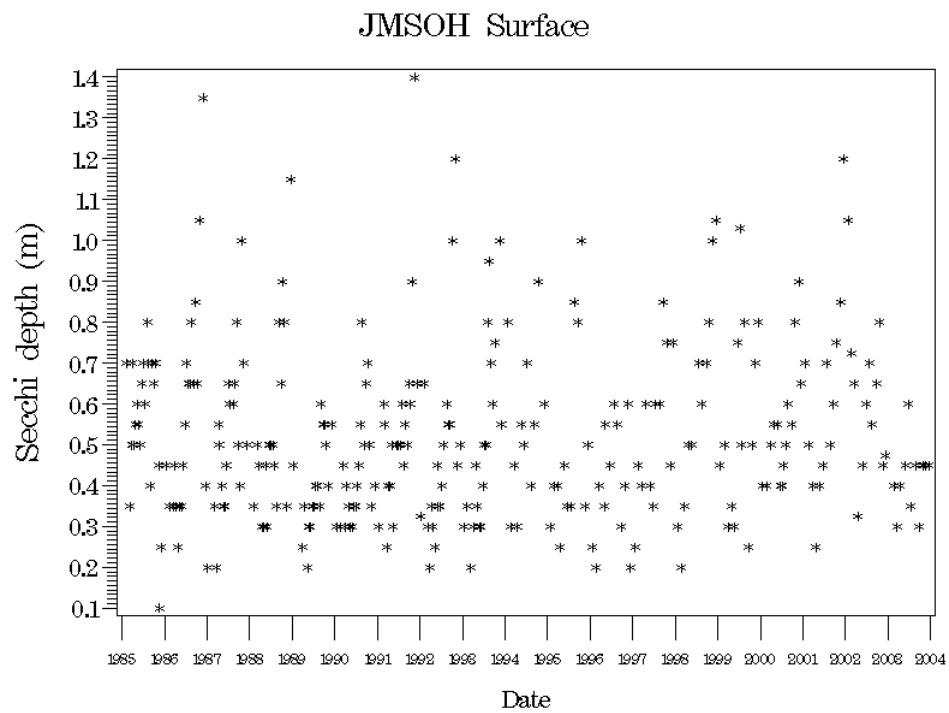


Figure 43. Scatterplot of secchi depth at segment JMSOH during the period 1985 to 2003.

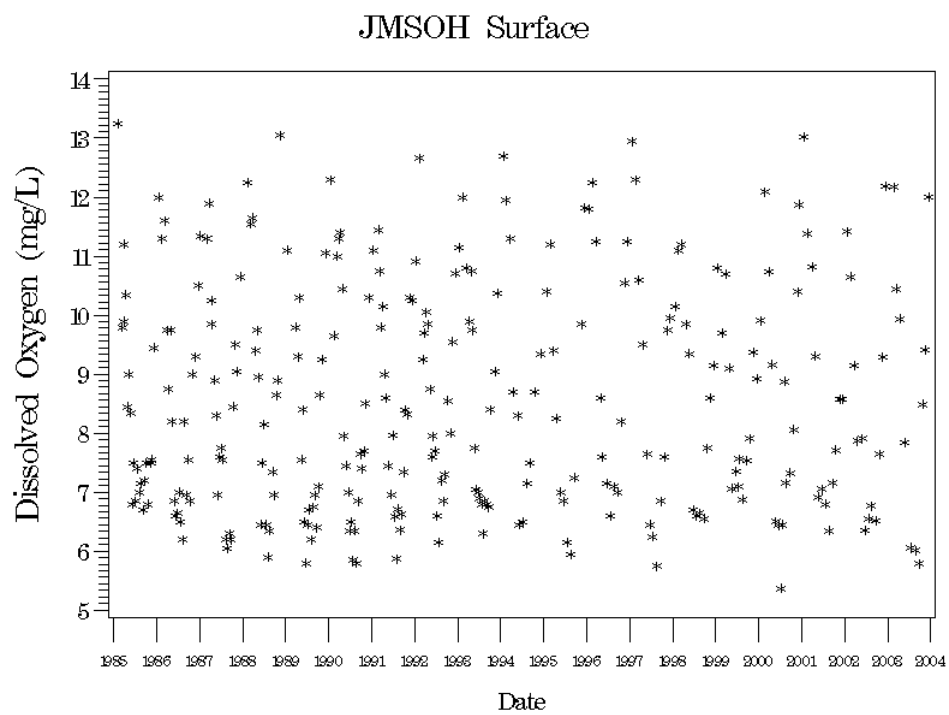


Figure 44. Scatterplot of surface dissolved oxygen at segment JMSOH during the period 1985 to 2003.

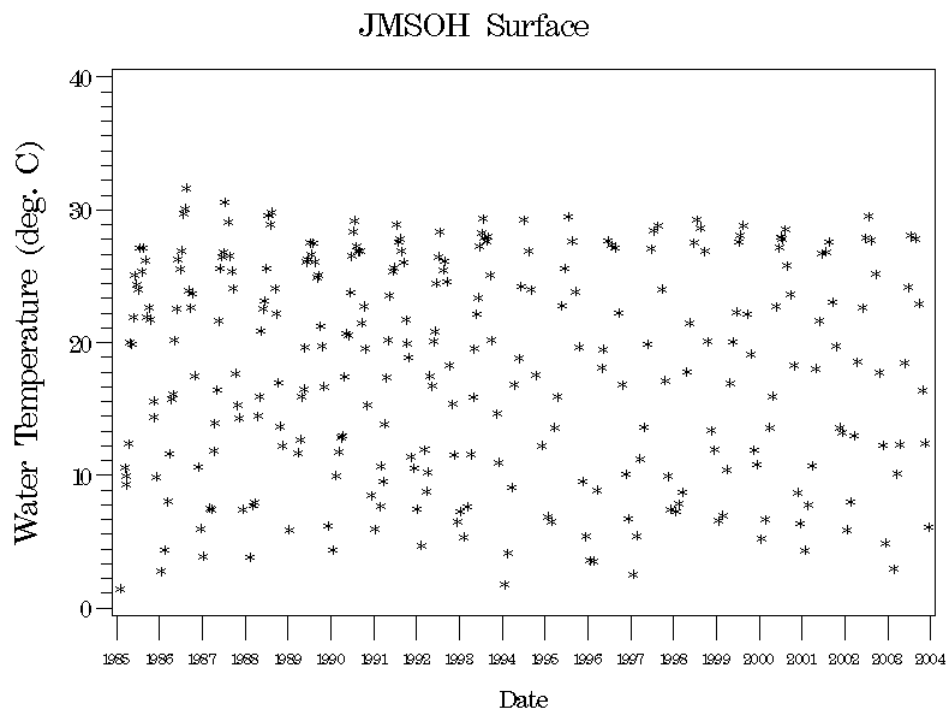


Figure 45. Scatterplot of surface water temperature at segment JMSOH during the period 1985 to 2003.



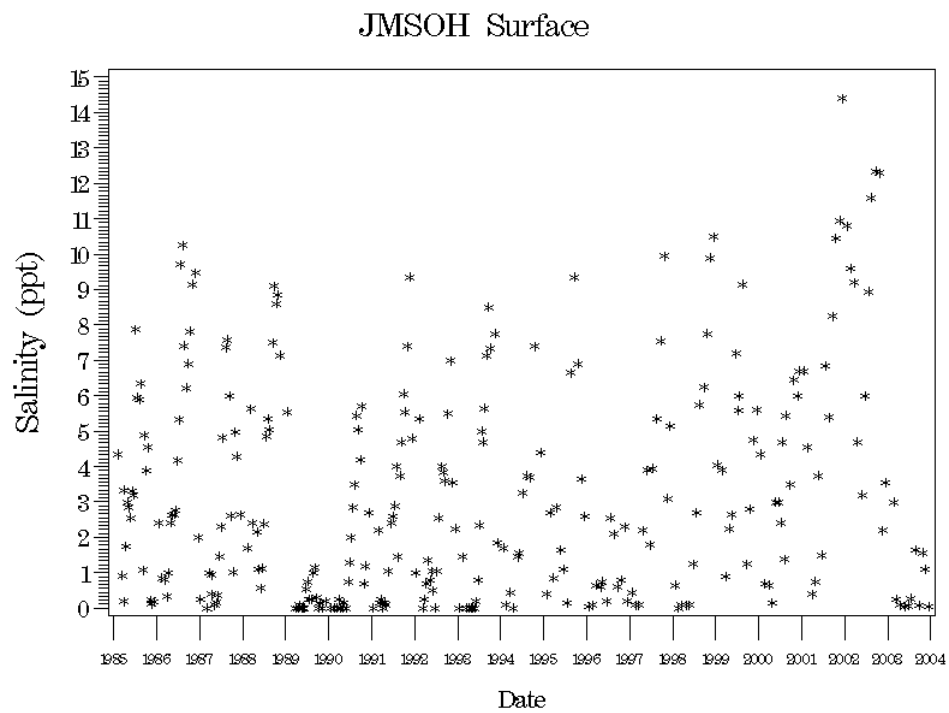
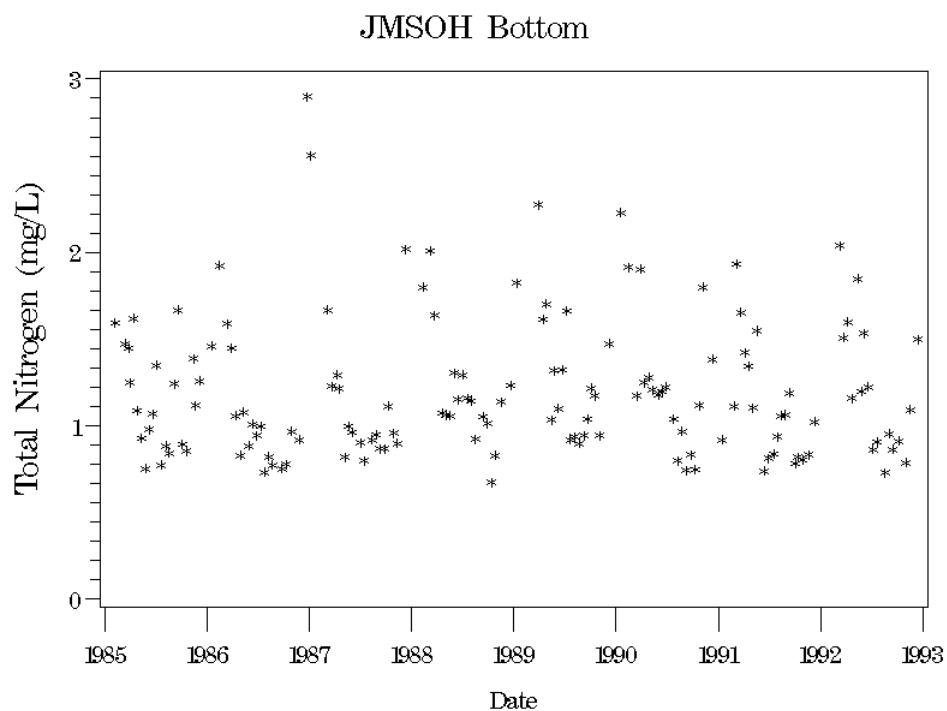


Figure 46. Scatterplot of surface salinity at segment JMSOH during the period 1985 to 2003.

a) Pre-method change period



b) Post-method change period

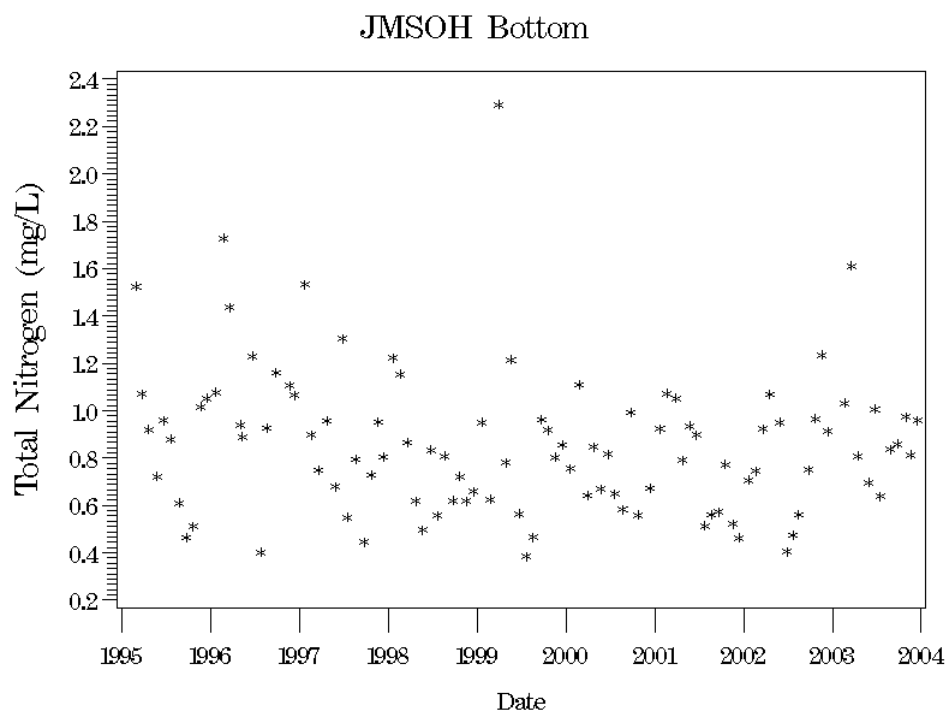
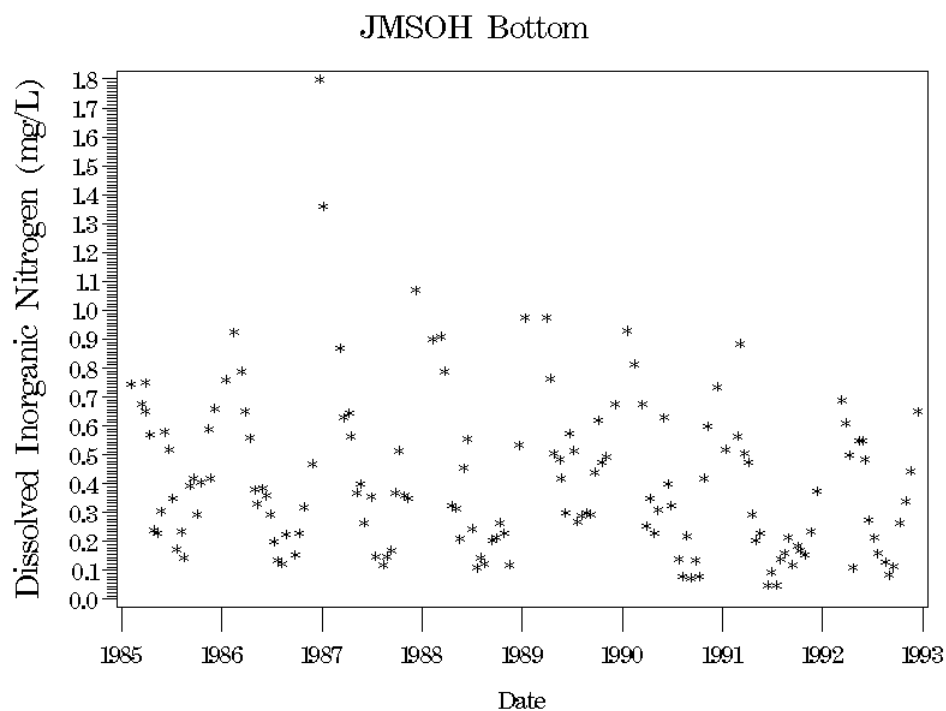


Figure 47. Scatterplots of bottom total nitrogen at segment JMSOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

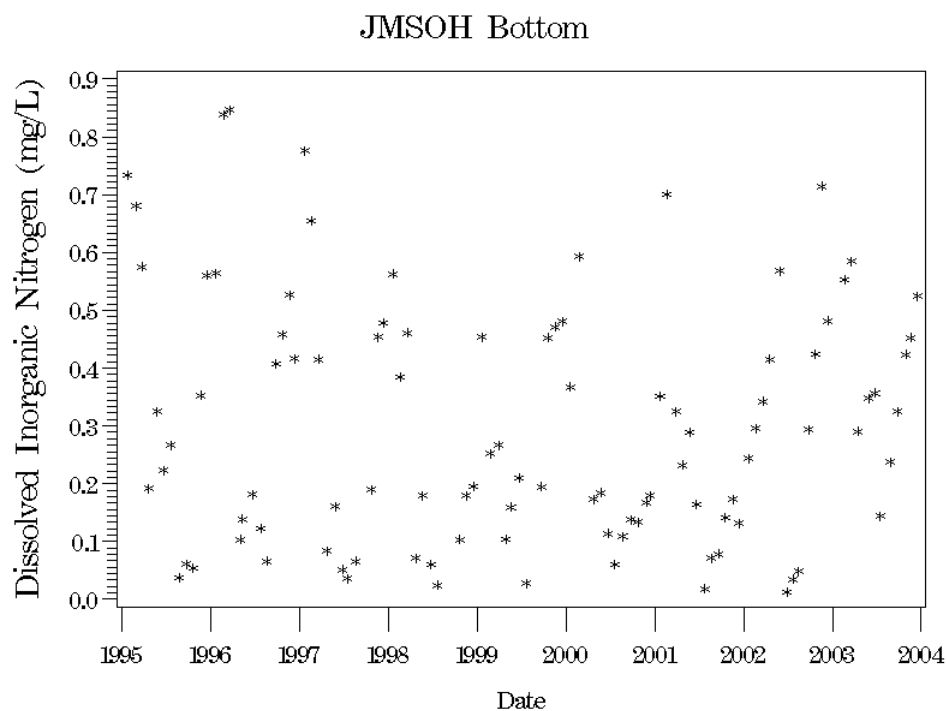
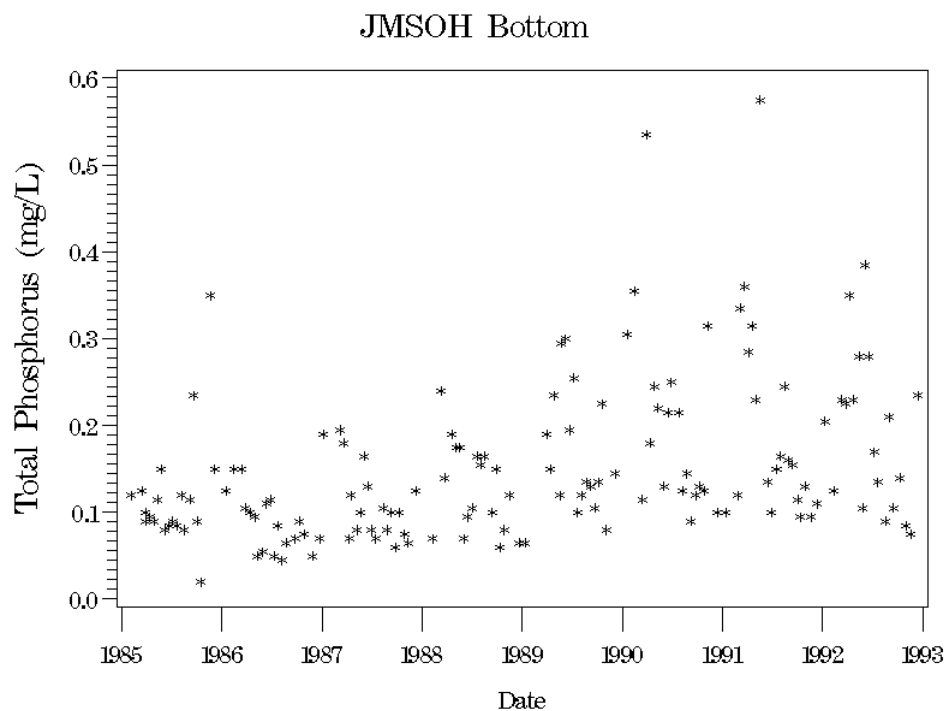


Figure 48. Scatterplots of bottom dissolved inorganic nitrogen at segment JMSOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

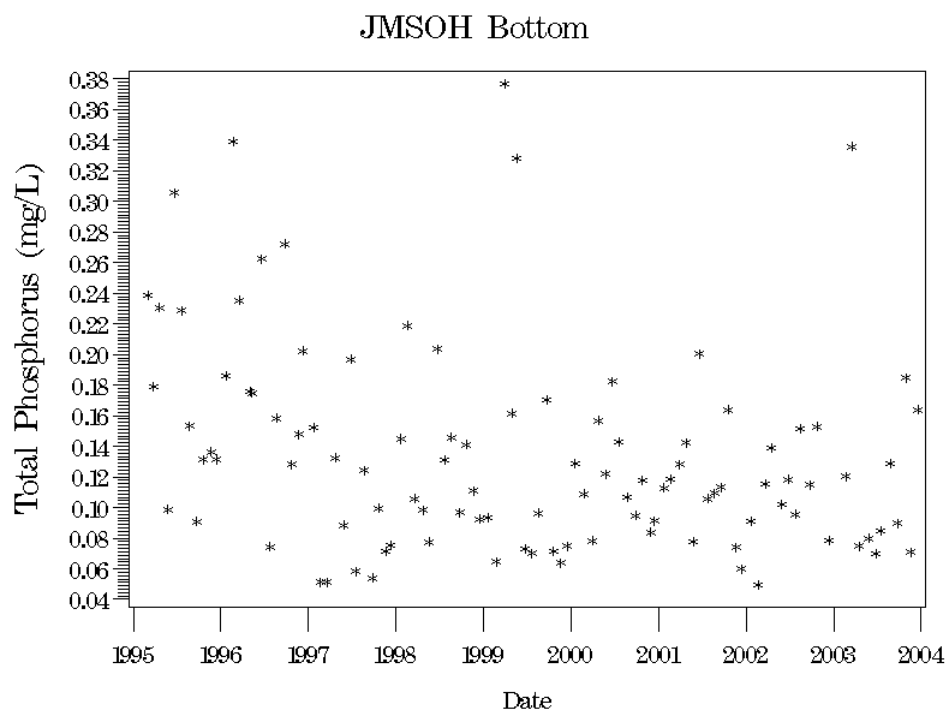
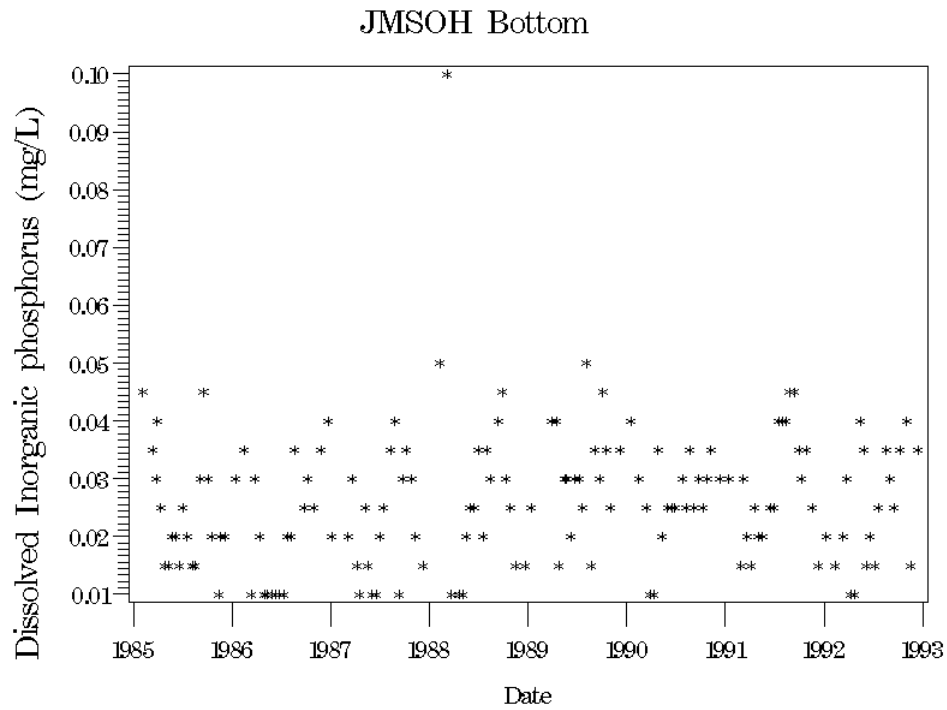


Figure 49. Scatterplots of bottom total phosphorus at segment JMSOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

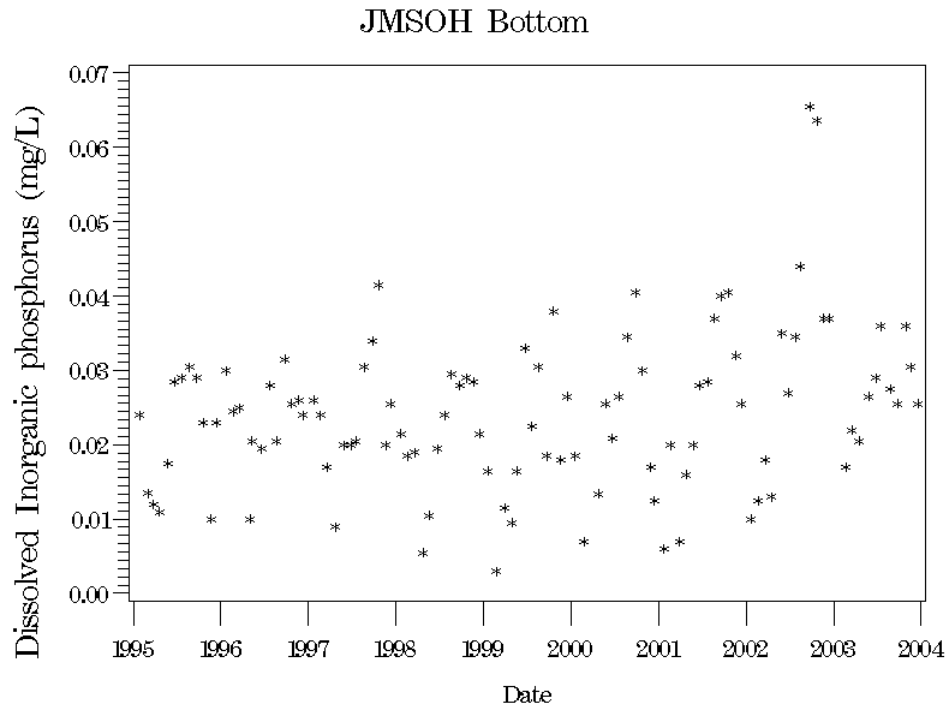


Figure 50. Scatterplots of bottom dissolved inorganic phosphorus at segment JMSOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

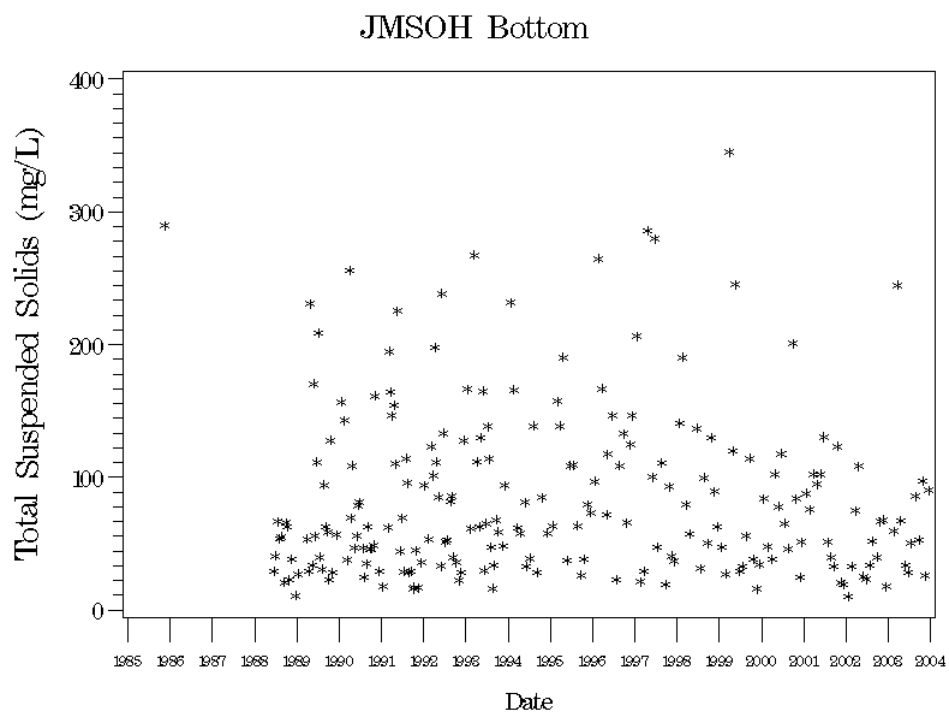


Figure 51. Scatterplot of bottom total suspended solids at segment JMSOH during the period 1985 to 2003.

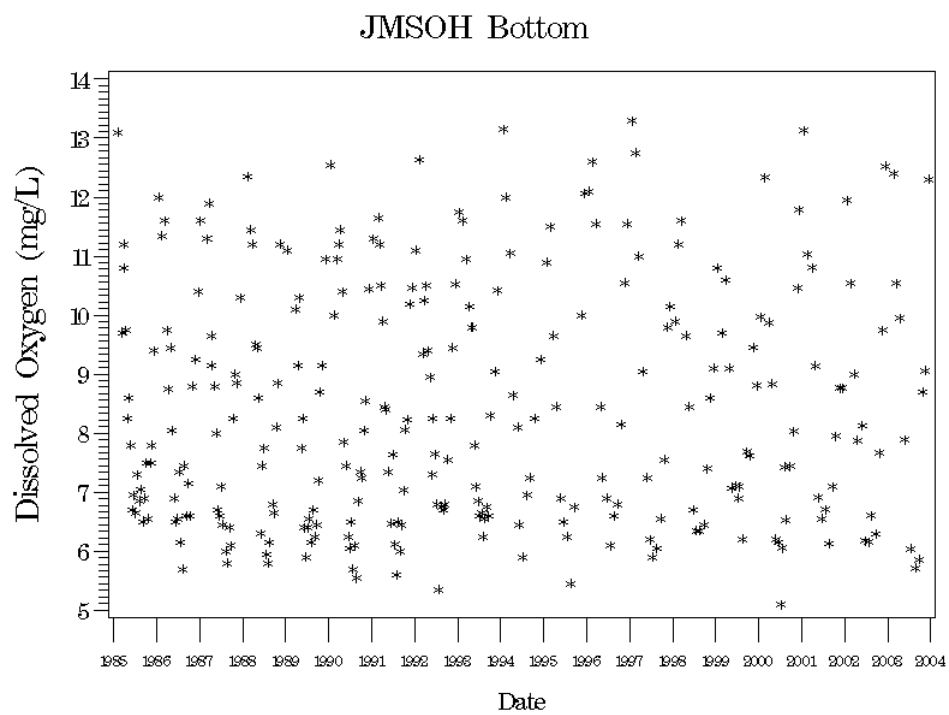


Figure 52. Scatterplot of bottom dissolved oxygen at segment JMSOH during the period 1985 to 2003.

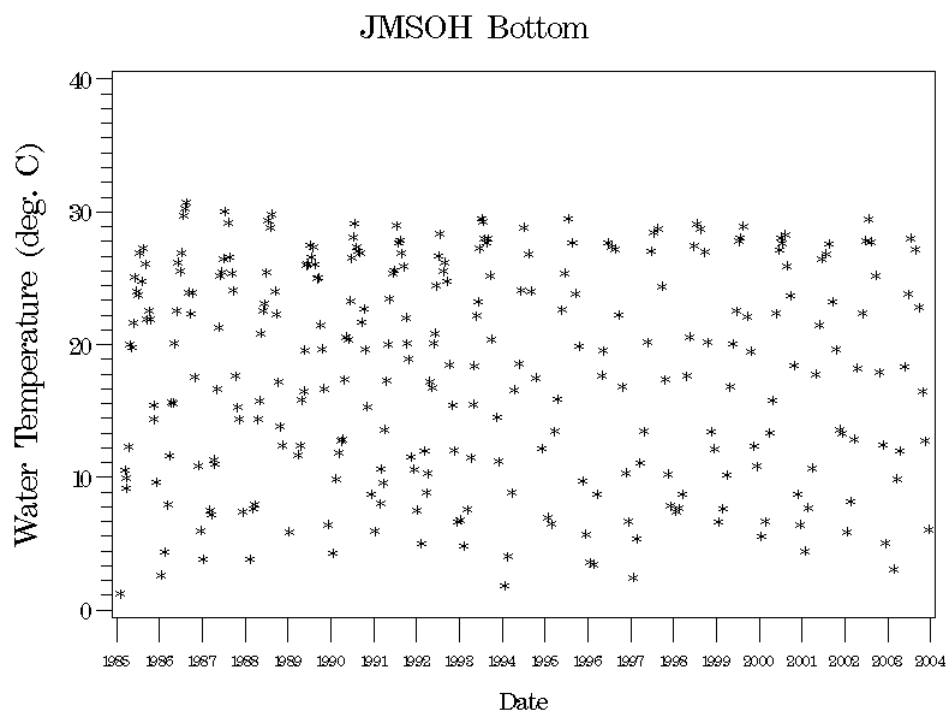


Figure 53. Scatterplot of bottom water temperature at segment JMSOH during the period 1985 to 2003.



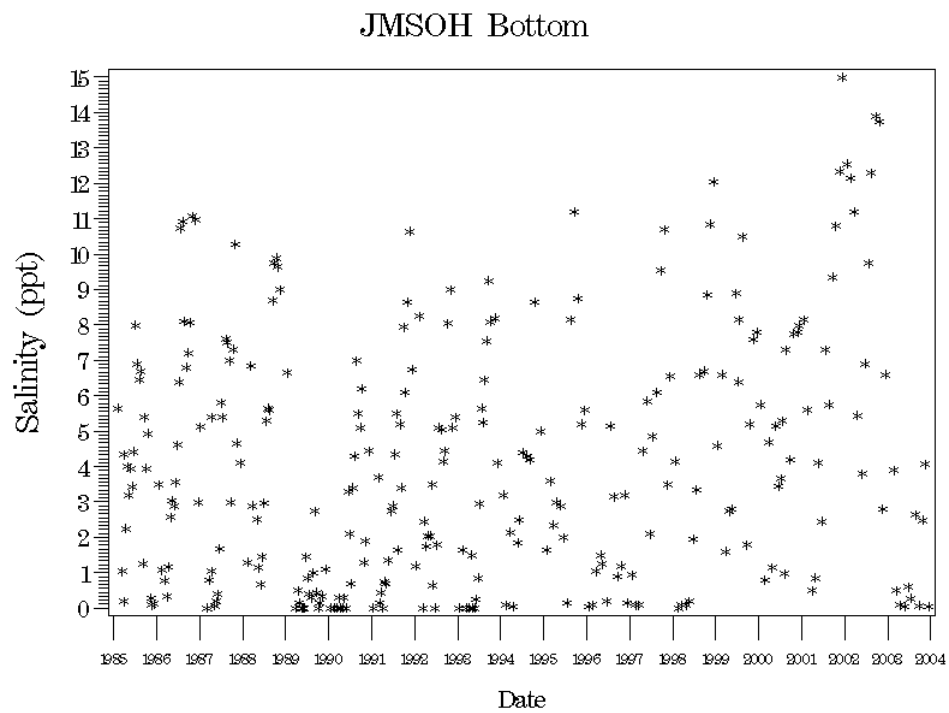
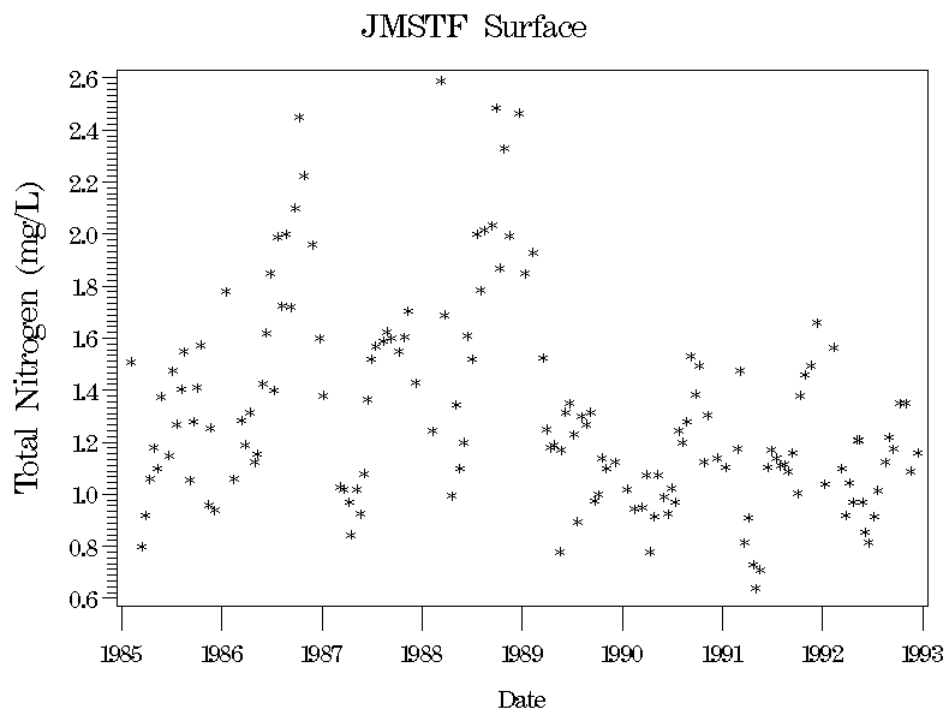


Figure 54. Scatterplot of bottom salinity at segment JMSOH during the period 1985 to 2003.

a) Pre-method change period



b) Post-method change period

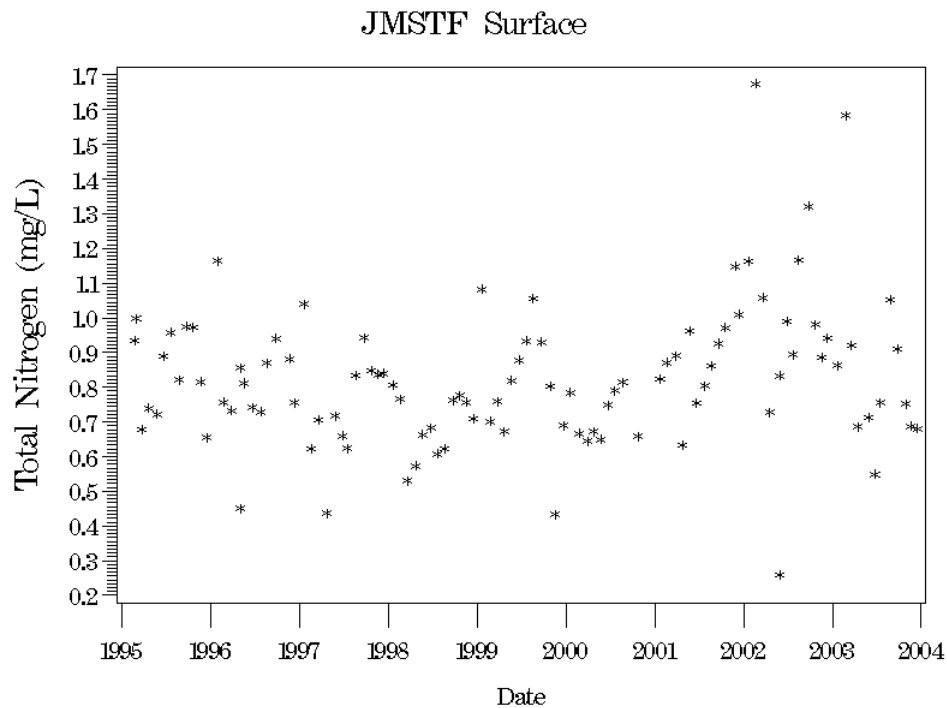
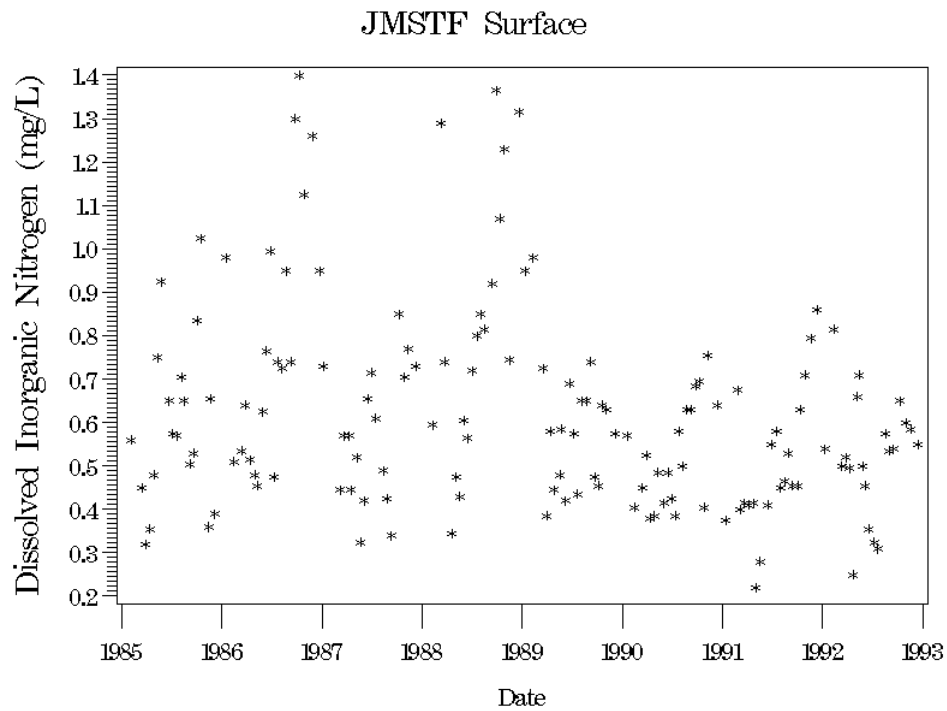


Figure 55. Scatterplots of surface total nitrogen at segment JMSTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

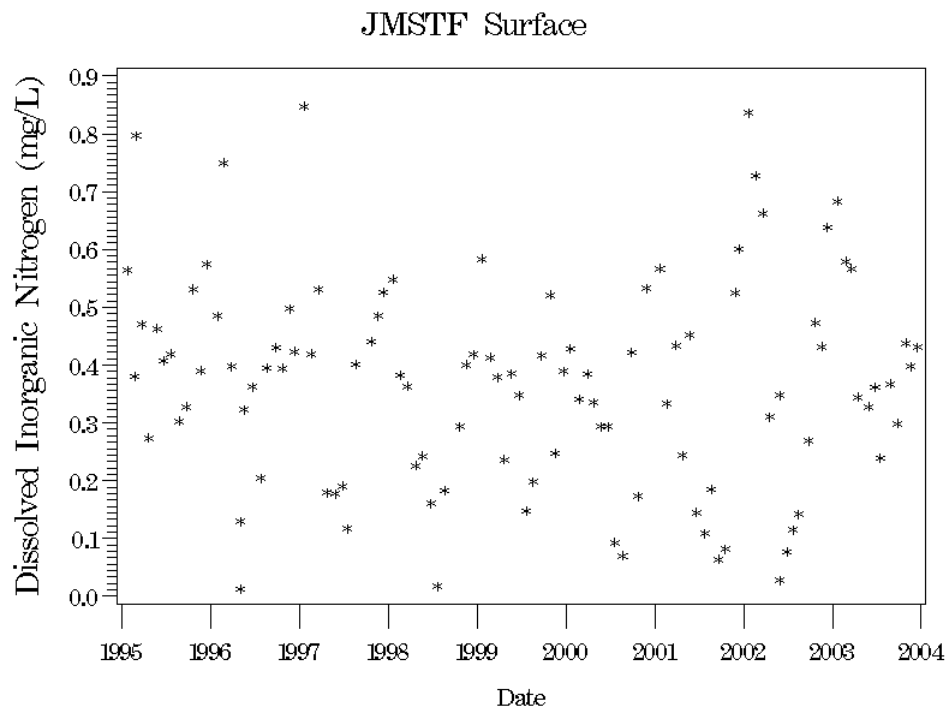
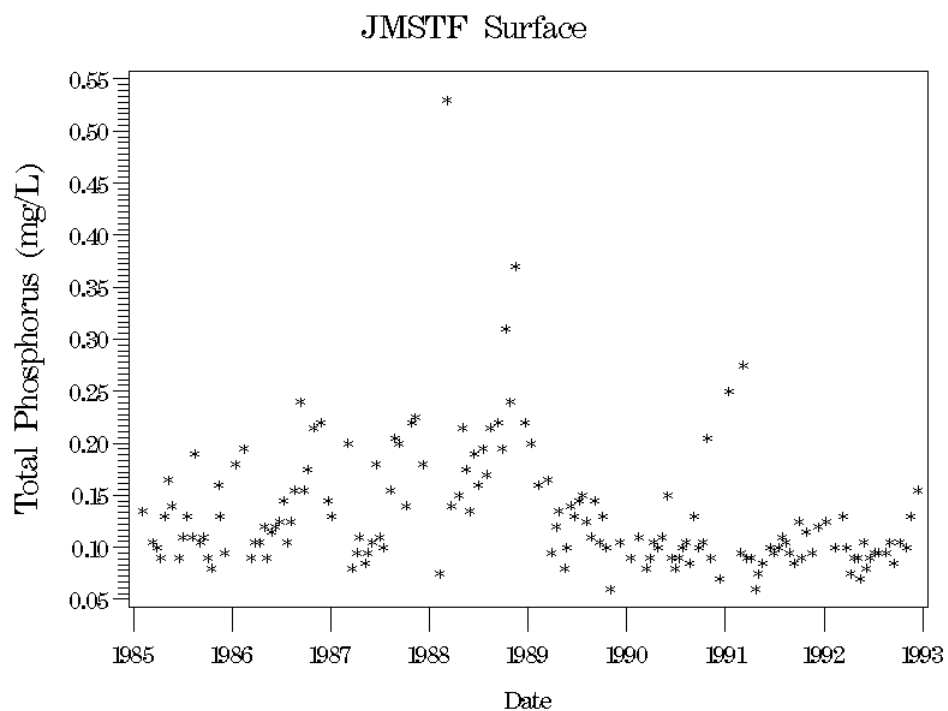


Figure 56. Scatterplots of surface dissolved inorganic nitrogen at segment JMSTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

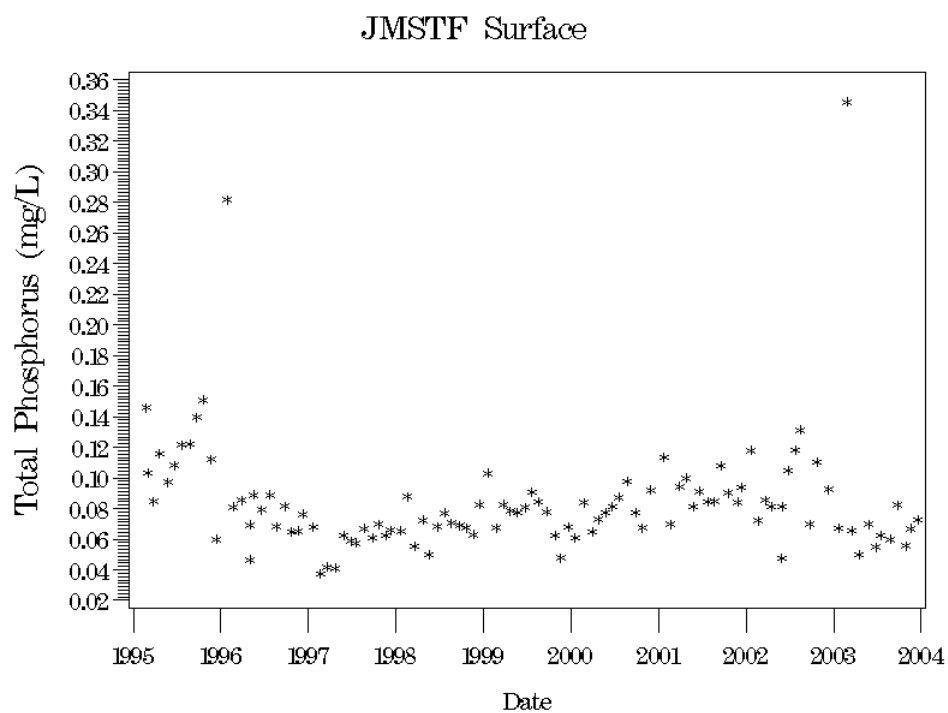
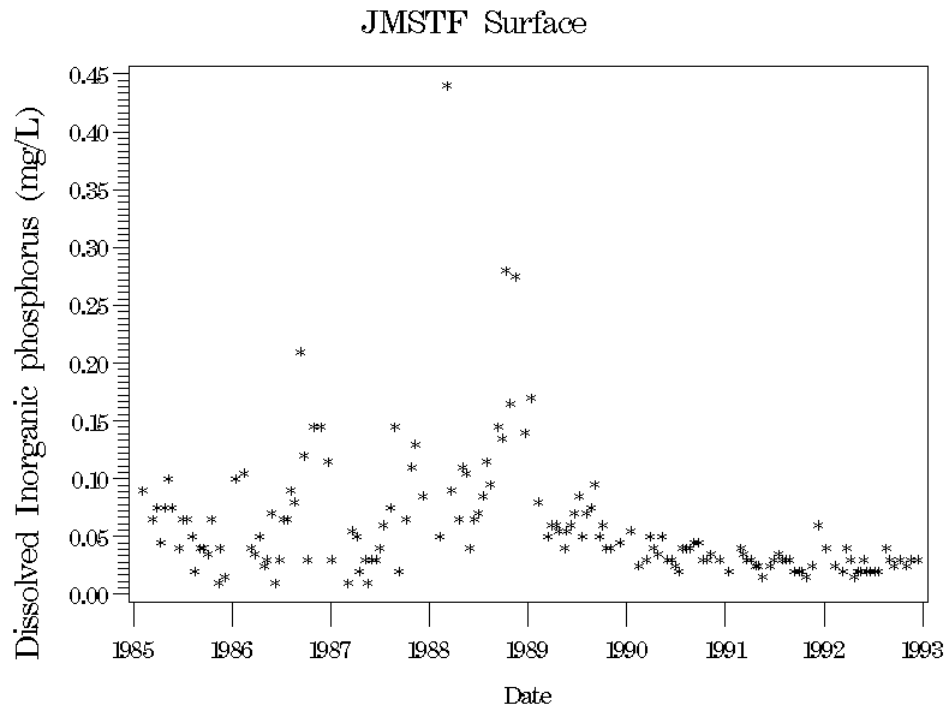


Figure 57. Scatterplots of surface total phosphorus at segment JMSTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

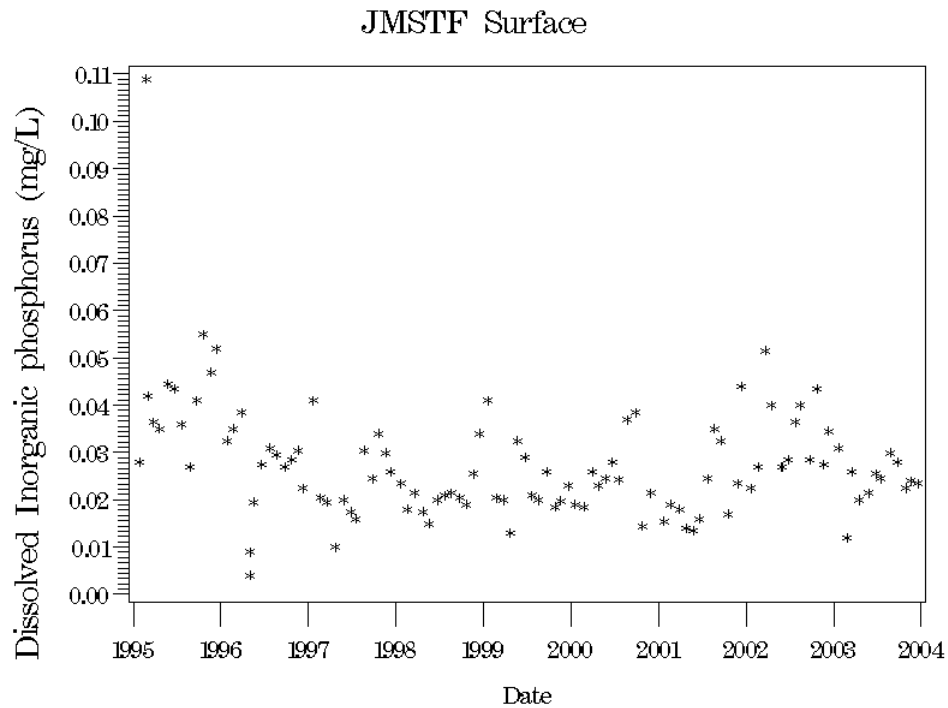


Figure 58. Scatterplots of surface dissolved inorganic phosphorus at segment JMSTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

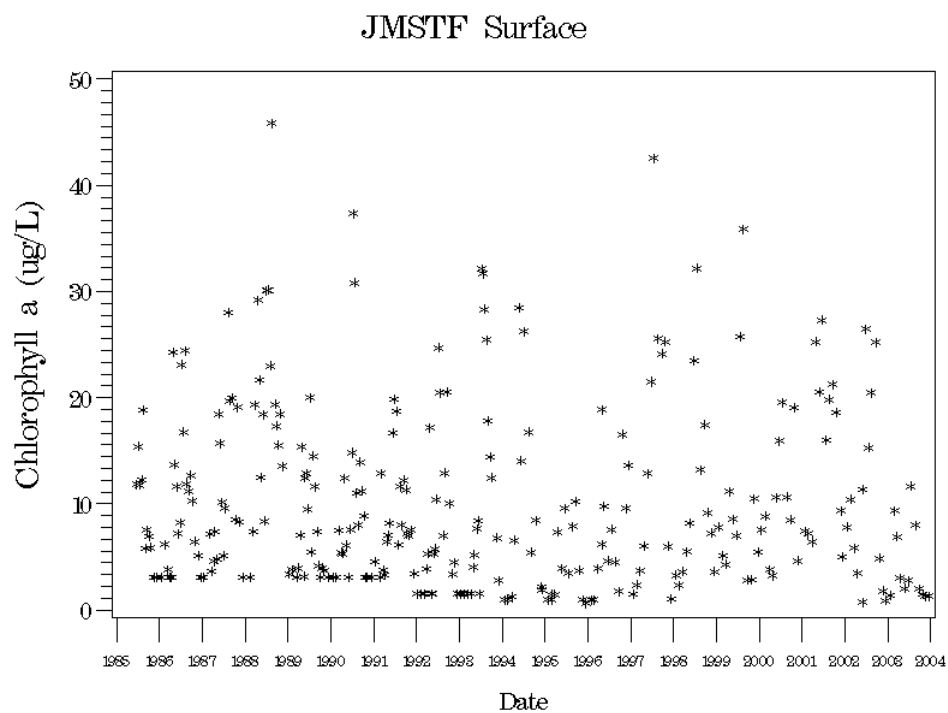


Figure 59. Scatterplot of surface chlorophyll *a* at segment JMSTF during the period 1985 to 2003.

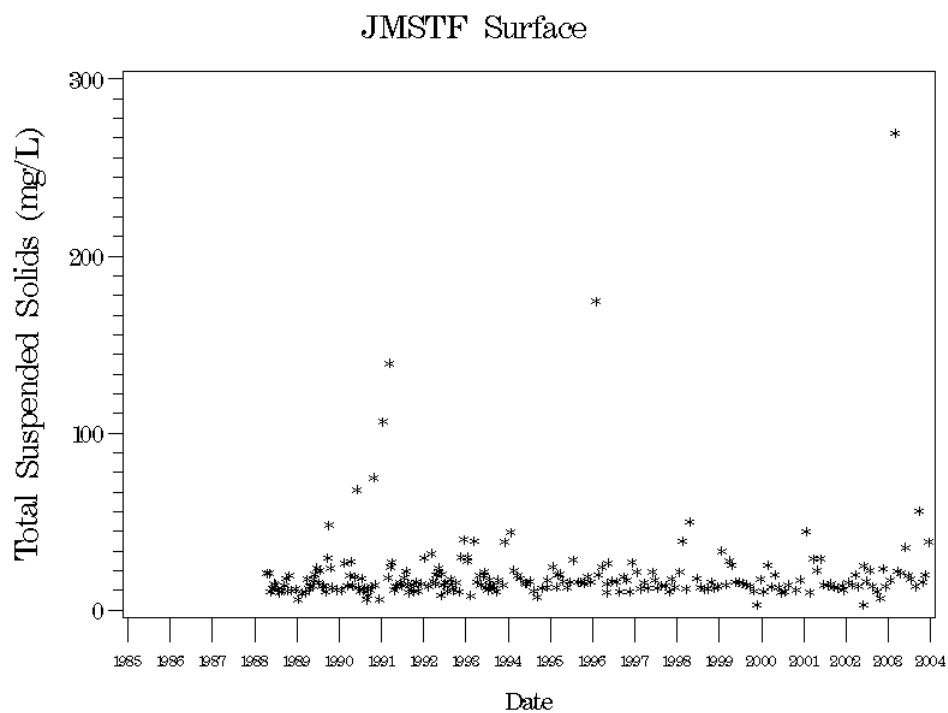


Figure 60. Scatterplot of surface total suspended solids at segment JMSTF during the period 1985 to 2003.

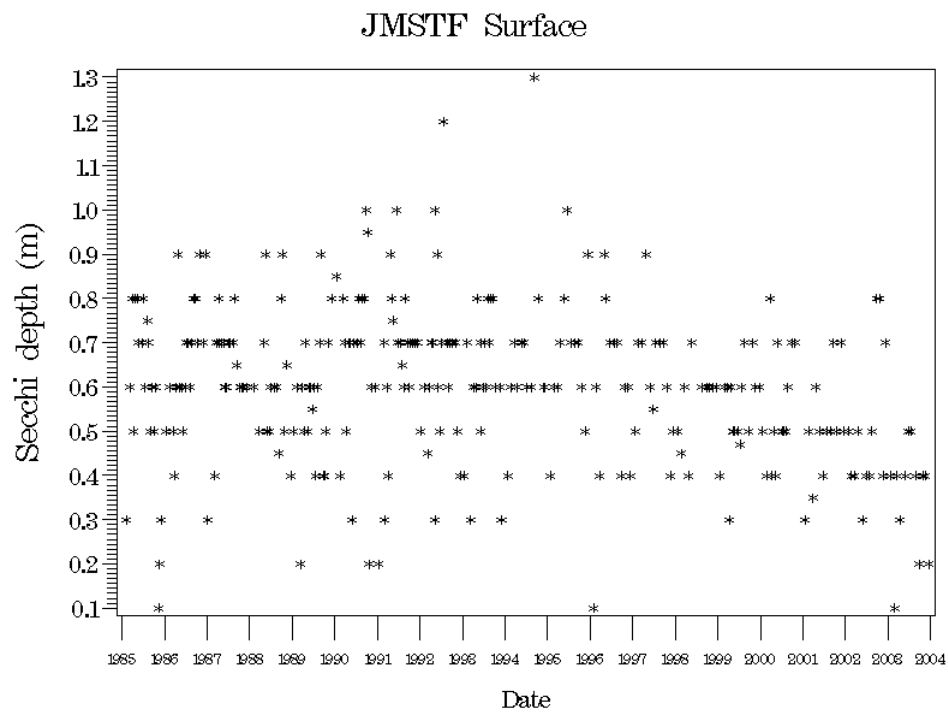


Figure 61. Scatterplot of secchi depth at segment JMSTF during the period 1985 to 2003.



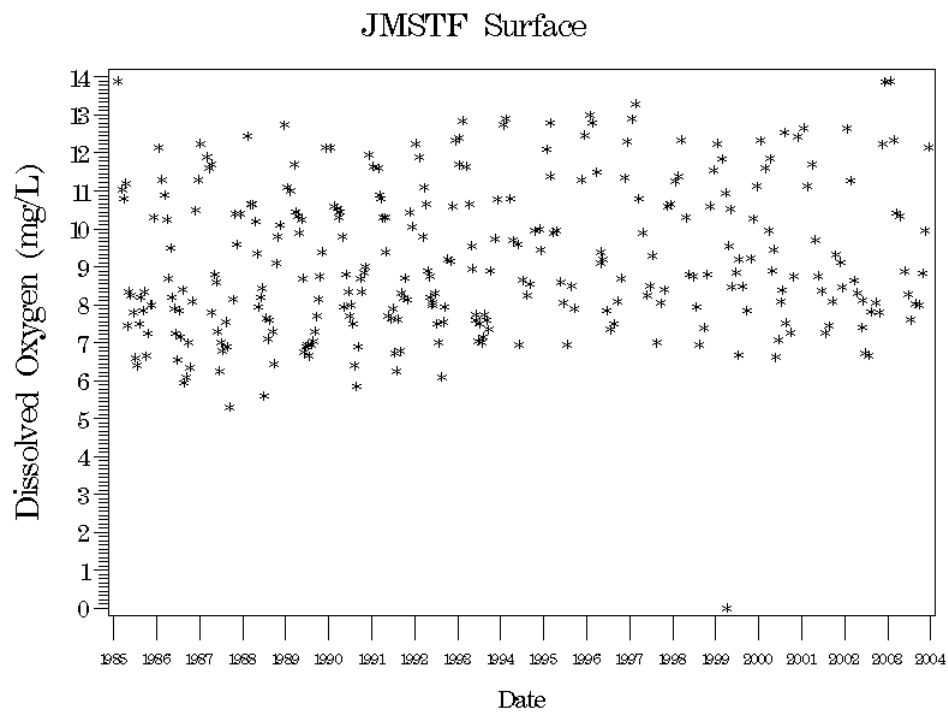


Figure 62. Scatterplot of surface dissolved oxygen at segment JMSTF during the period 1985 to 2003.

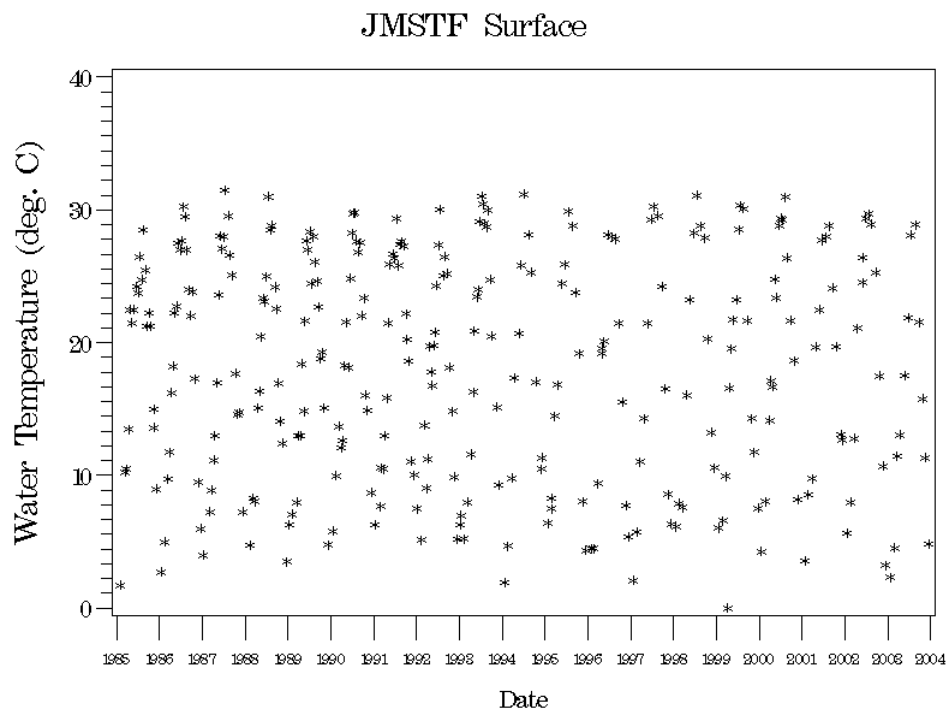


Figure 63. Scatterplot of surface water temperature at segment JMSTF during the period 1985 to 2003.

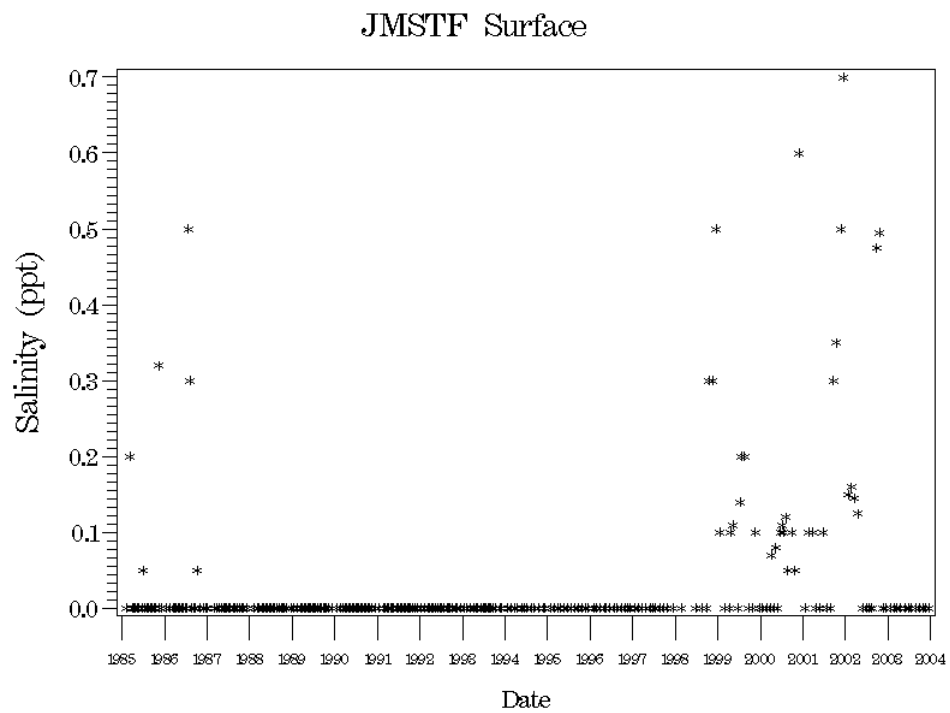
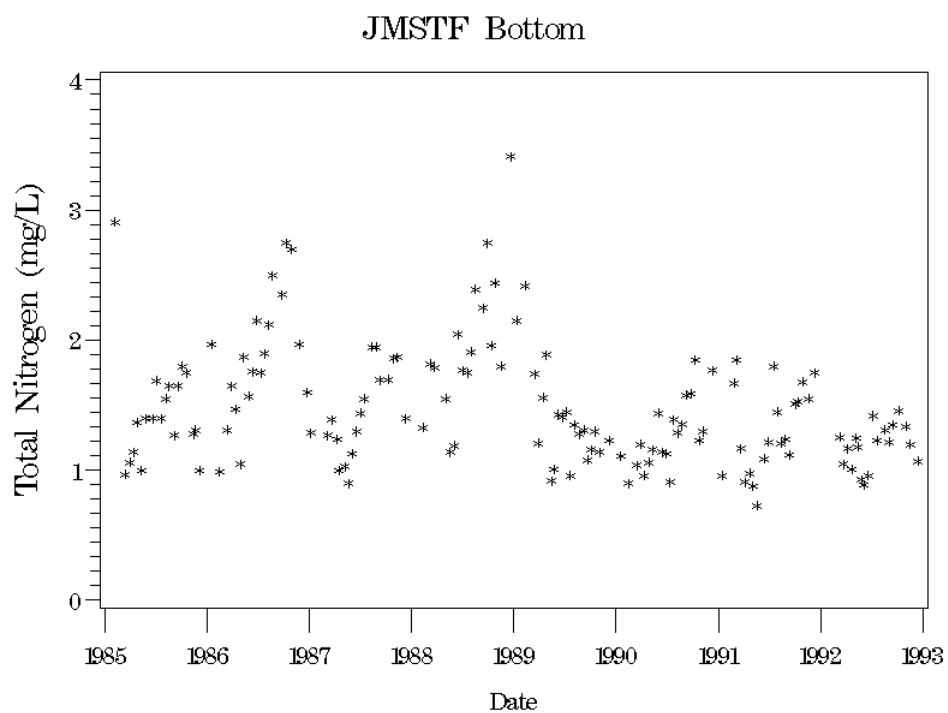


Figure 64. Scatterplot of surface salinity at segment JMSTF during the period 1985 to 2003.

a) Pre-method change period



b) Post-method change period

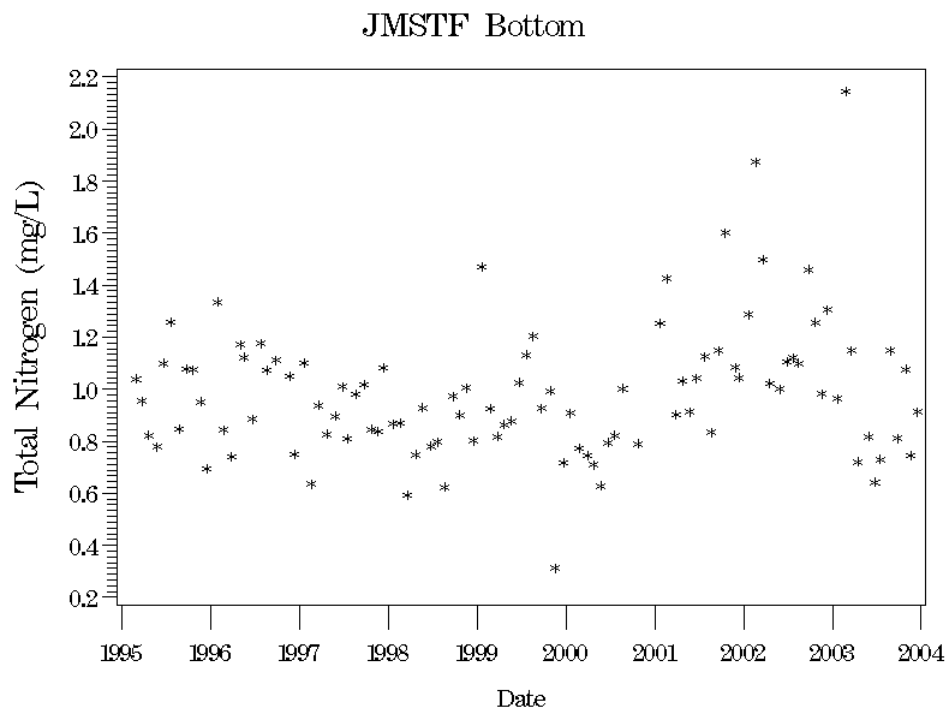
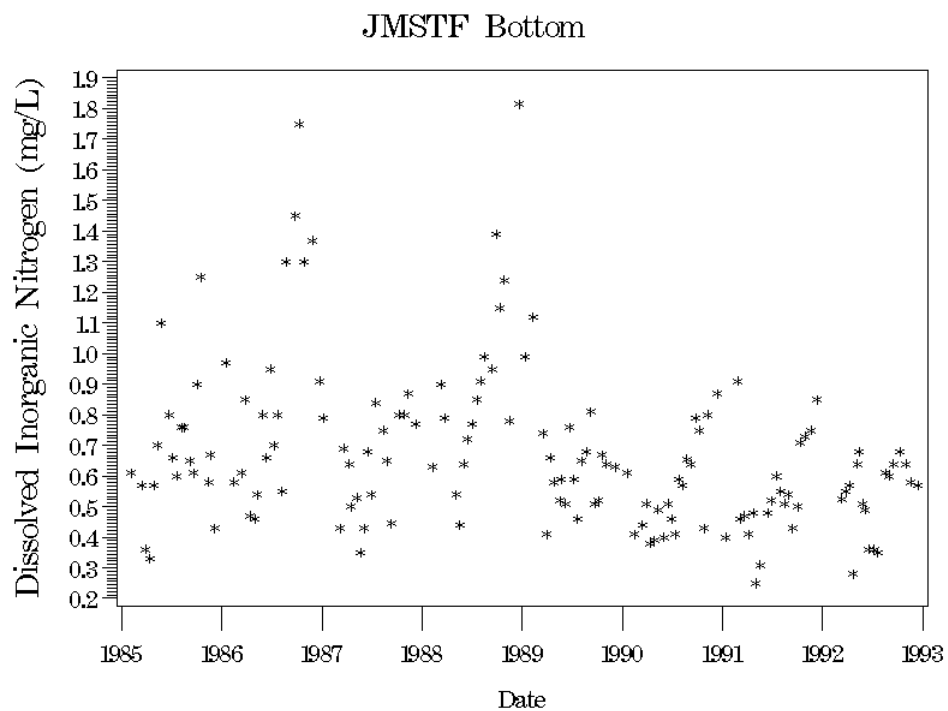


Figure 65. Scatterplots of bottom total nitrogen at segment JMSTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

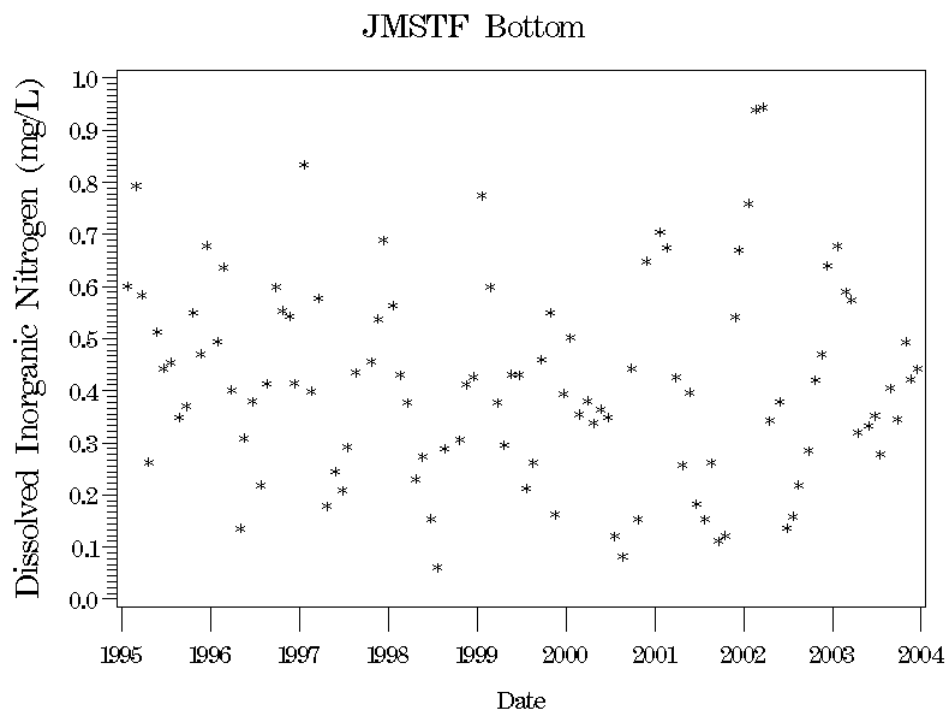
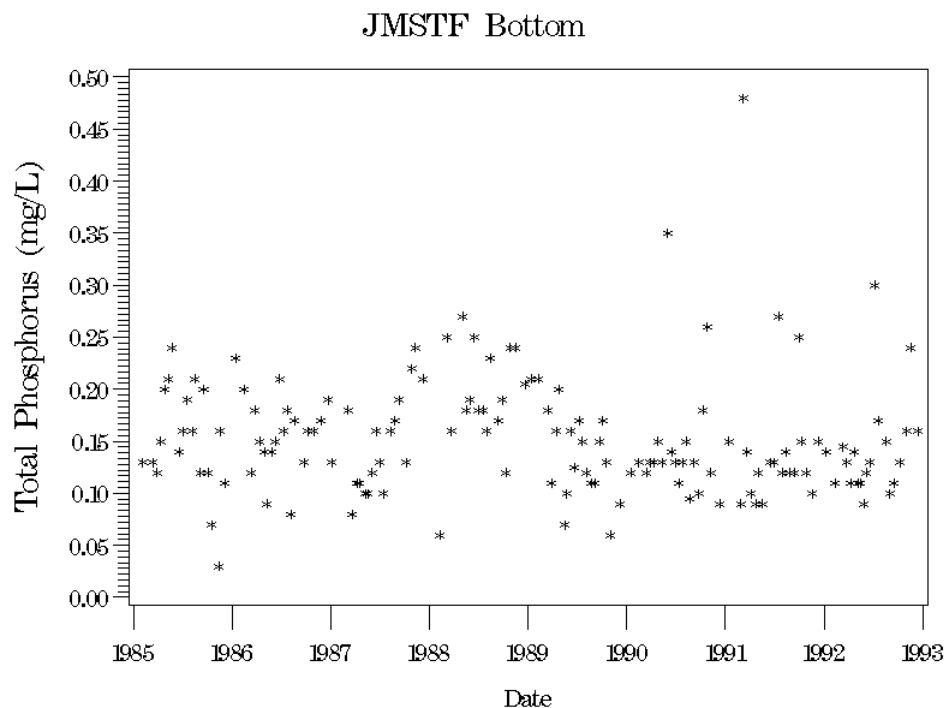


Figure 66. Scatterplots of bottom dissolved inorganic nitrogen at segment JMSTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

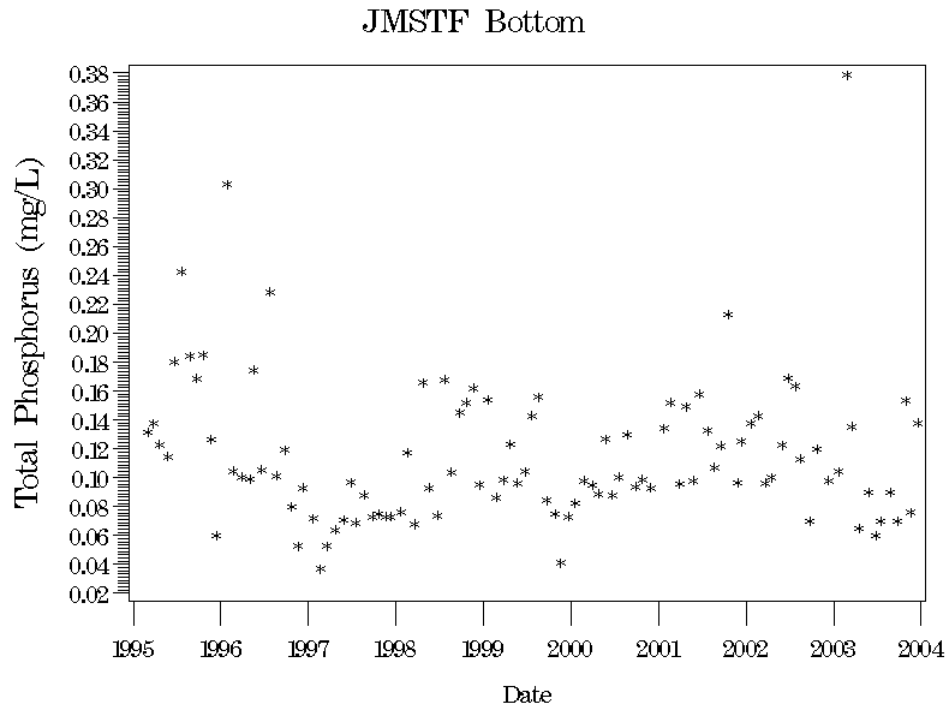
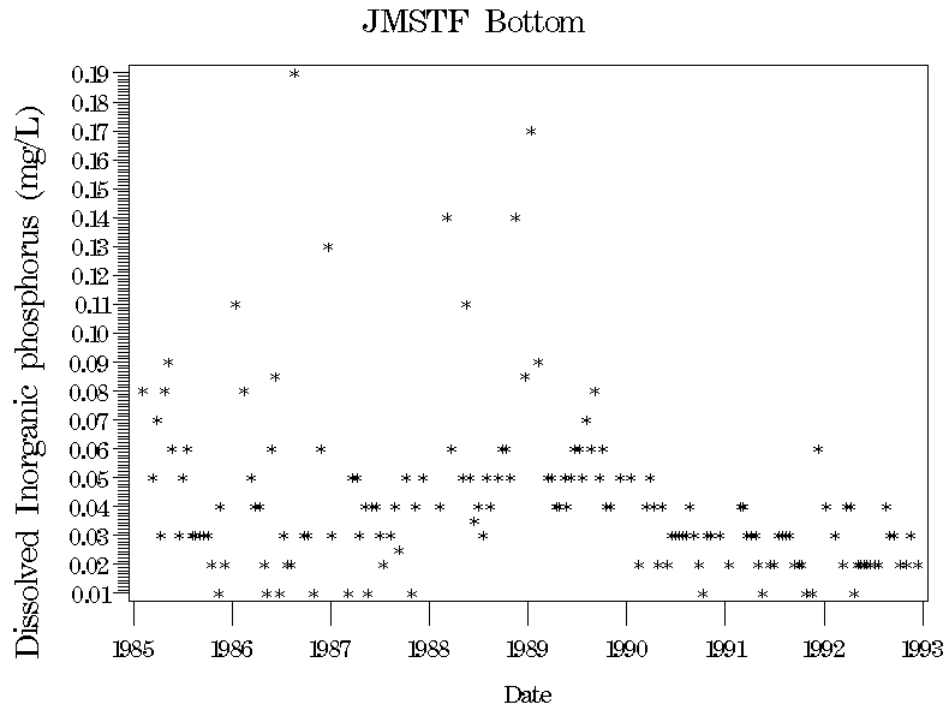


Figure 67. Scatterplots of bottom total phosphorus at segment JMSTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

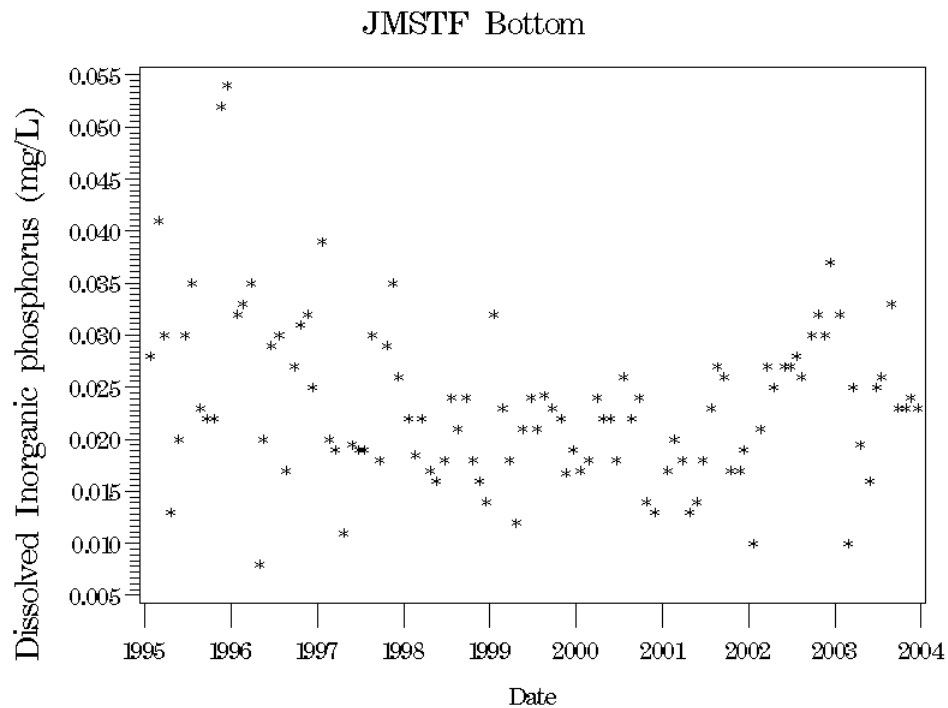


Figure 68. Scatterplots of bottom dissolved inorganic phosphorus at segment JMSTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

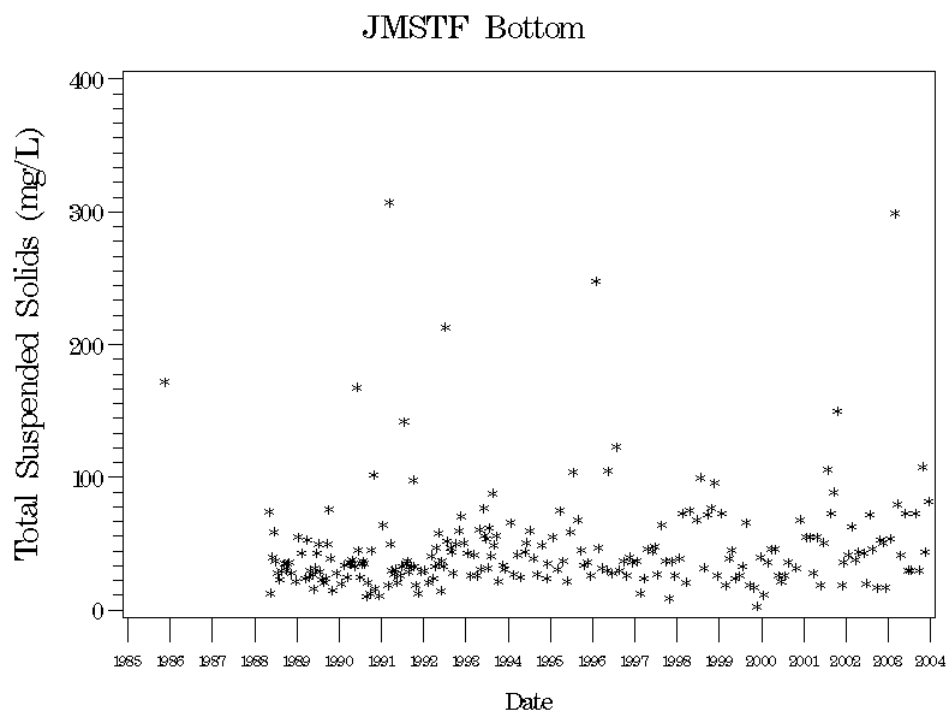


Figure 69. Scatterplot of bottom total suspended solids at segment JMSTF during the period 1985 to 2003.



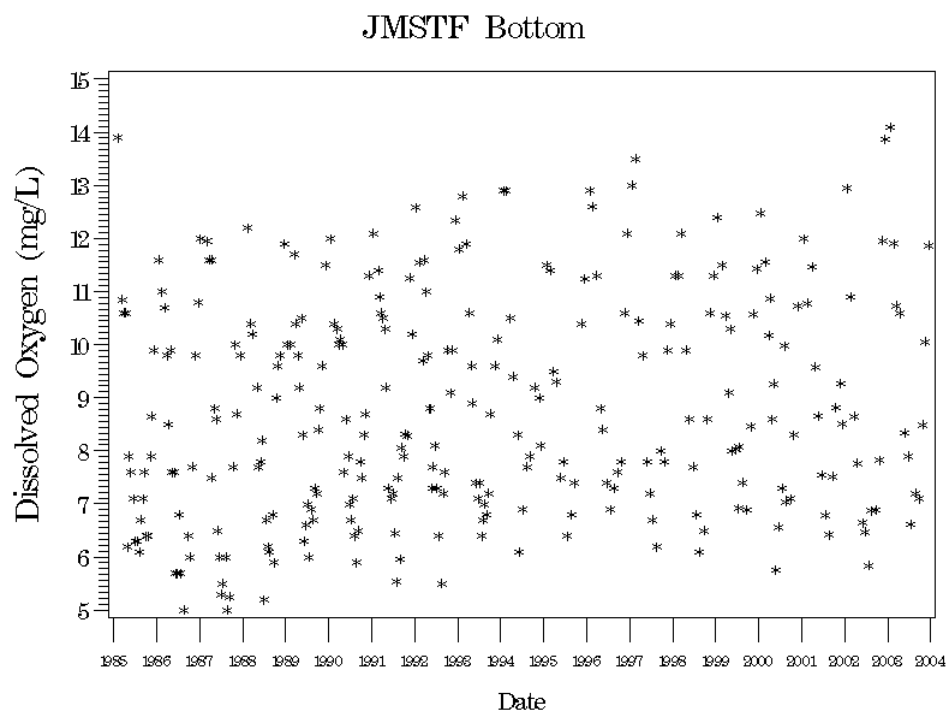


Figure 70. Scatterplot of bottom dissolved oxygen at segment JMSTF during the period 1985 to 2003.

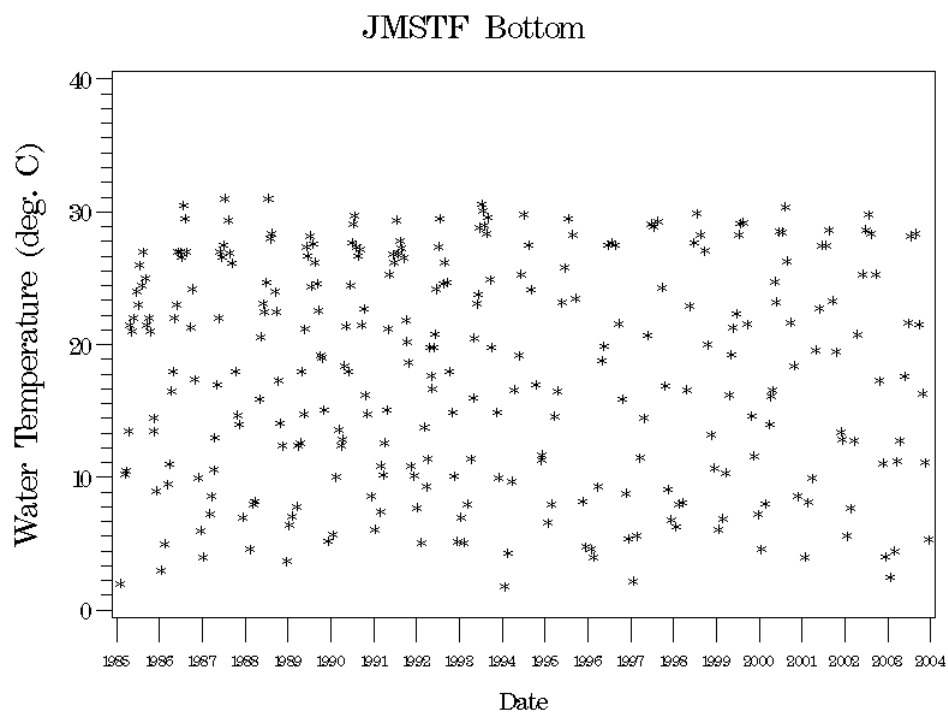


Figure 71. Scatterplot of bottom water temperature at segment JMSTF during the period 1985 to 2003.

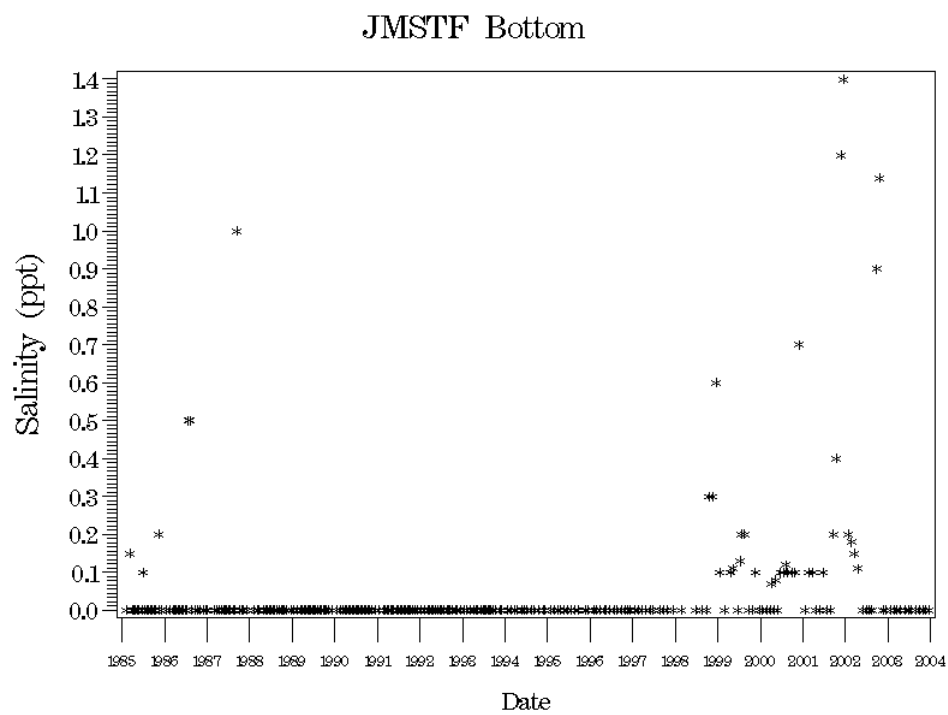
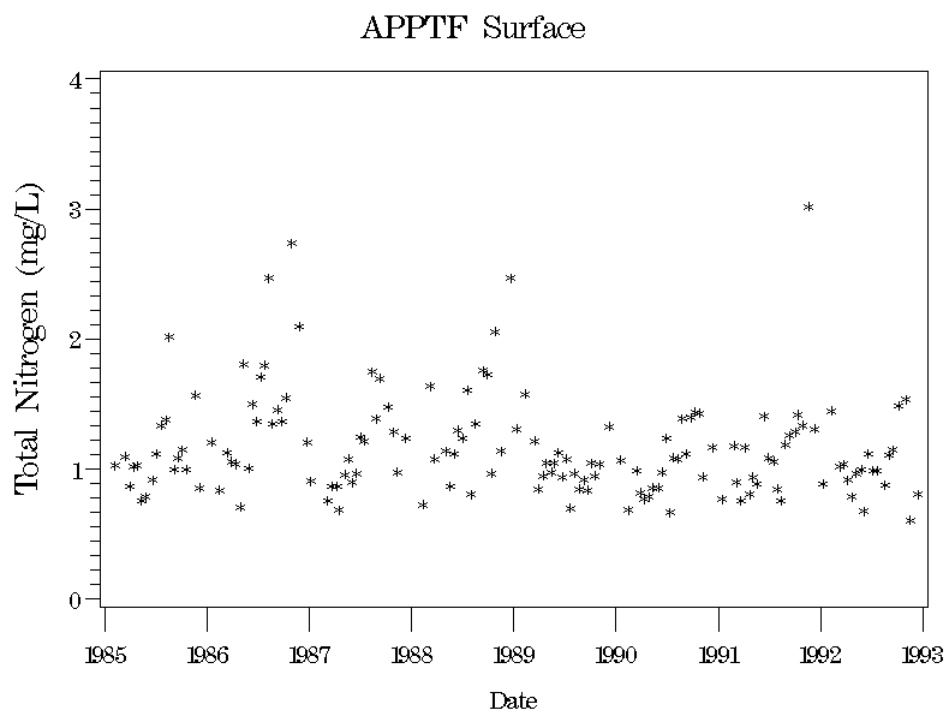


Figure 72. Scatterplot of bottom salinity at segment JMSTF during the period 1985 to 2003.

a) Pre-method change period



b) Post-method change period

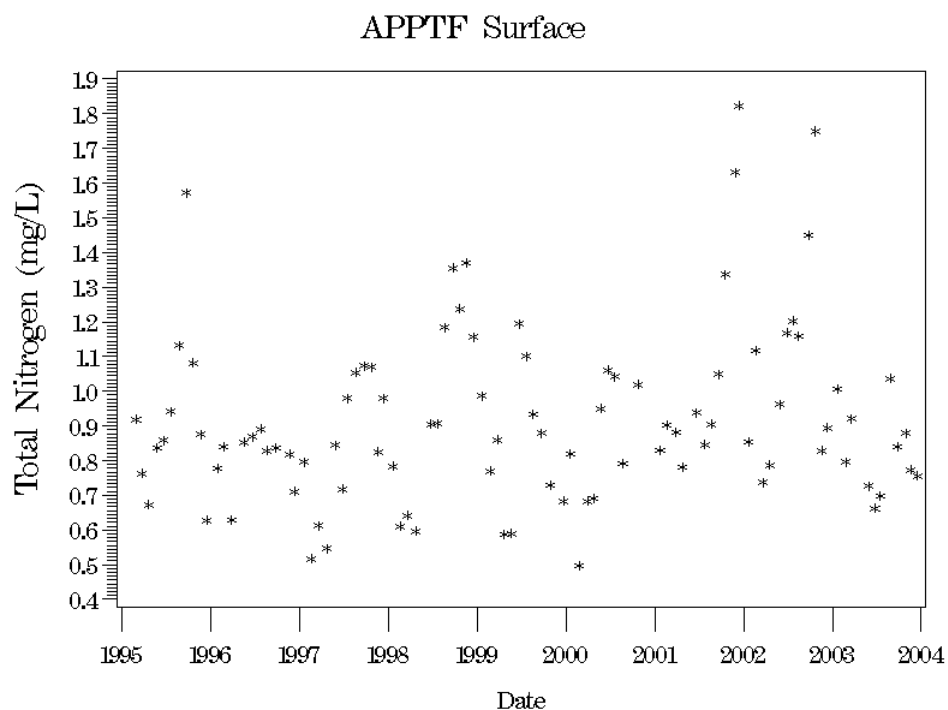
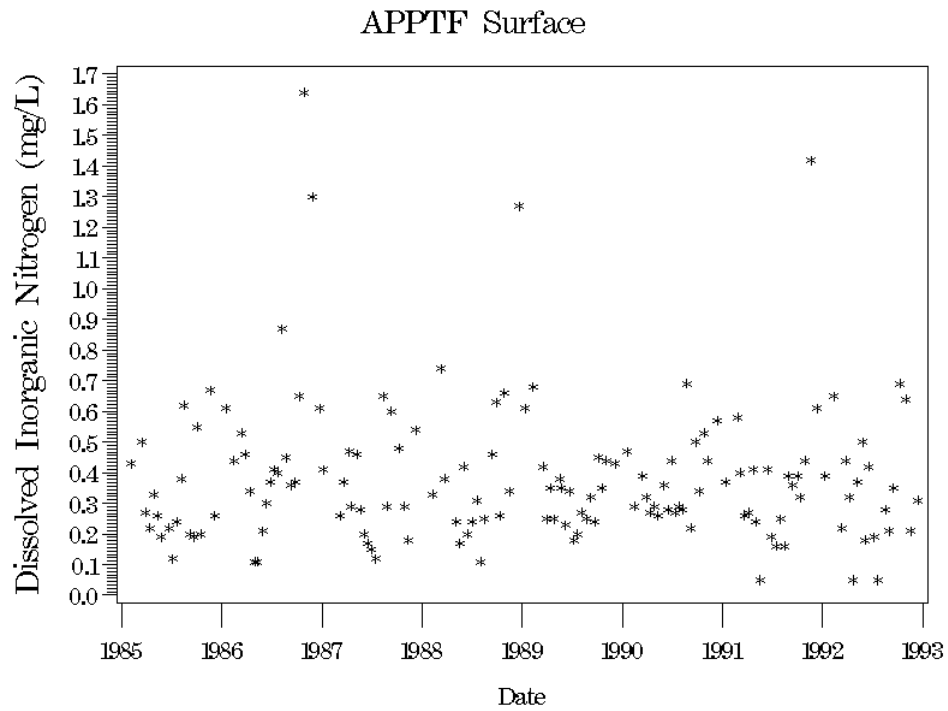


Figure 73. Scatterplots of surface total nitrogen at segment APPTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

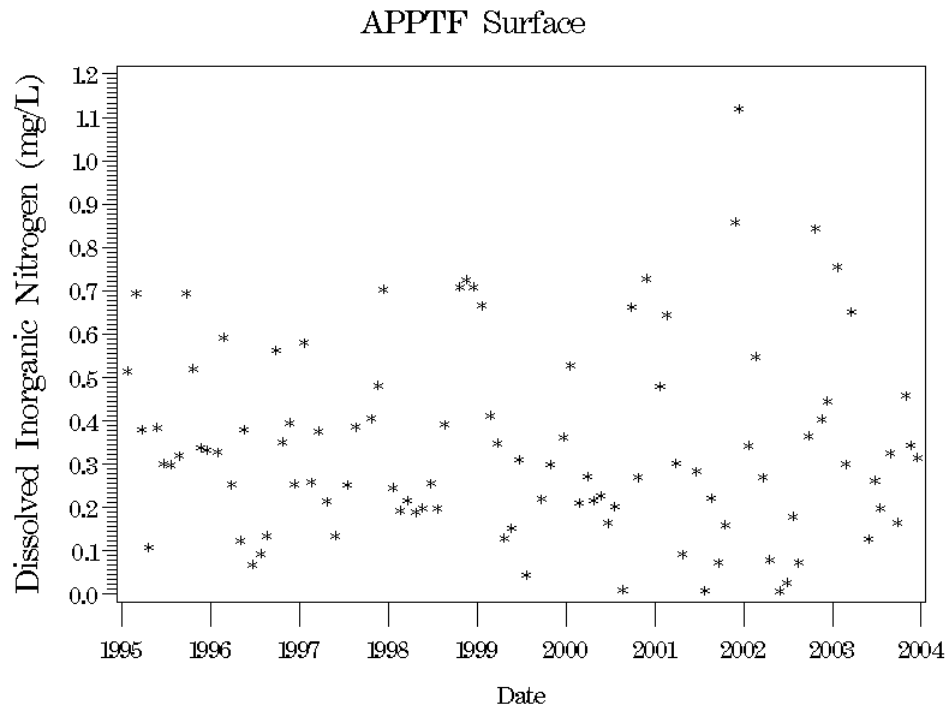
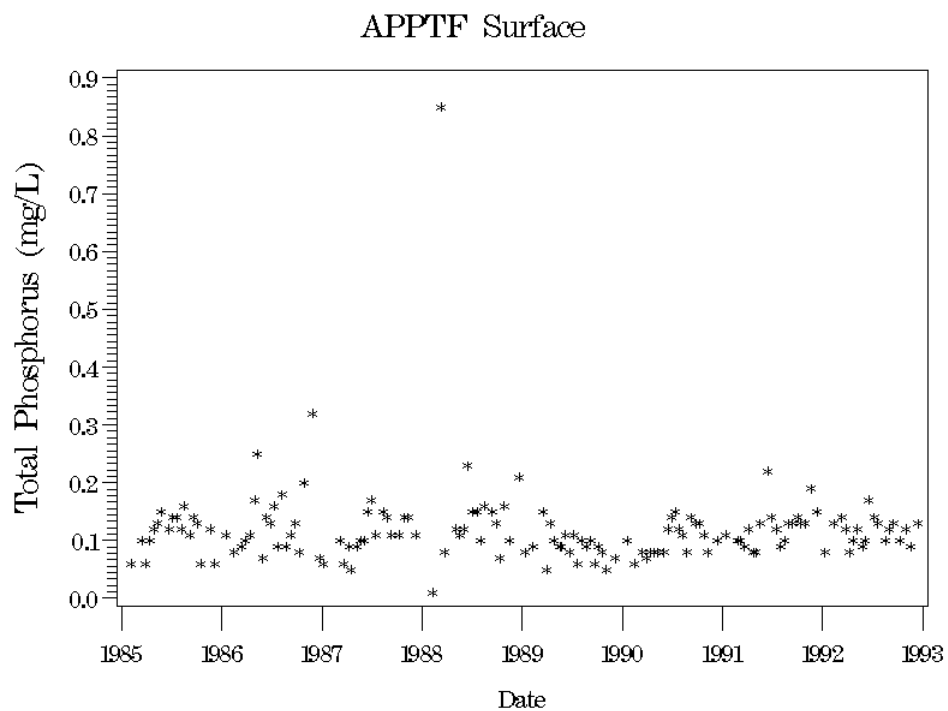


Figure 74. Scatterplots of surface dissolved inorganic nitrogen at segment APPTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

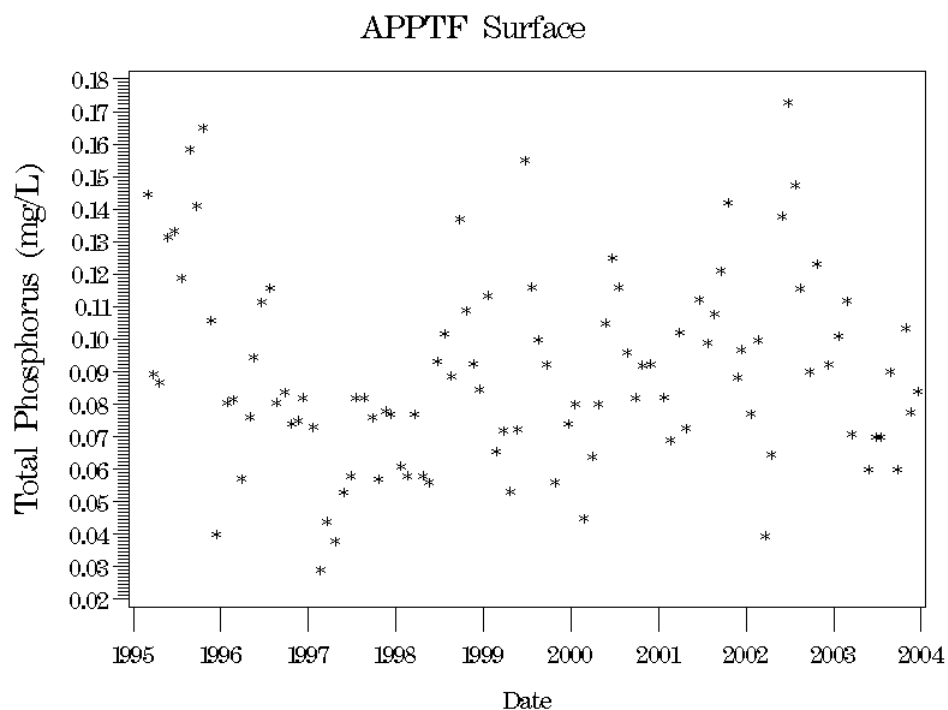
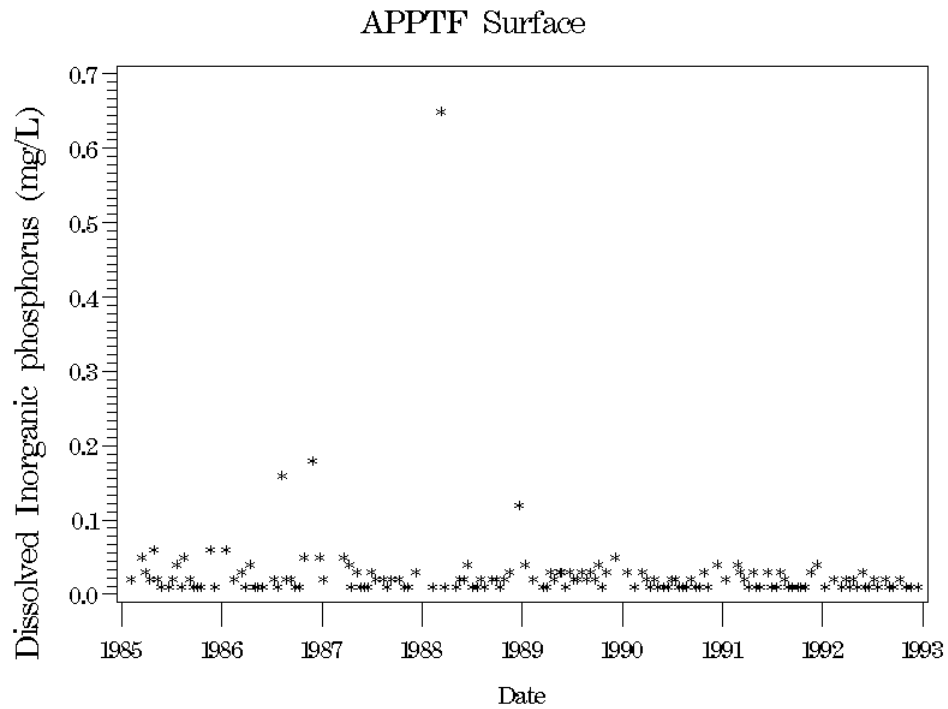


Figure 75. Scatterplots of surface total phosphorus at segment APPTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

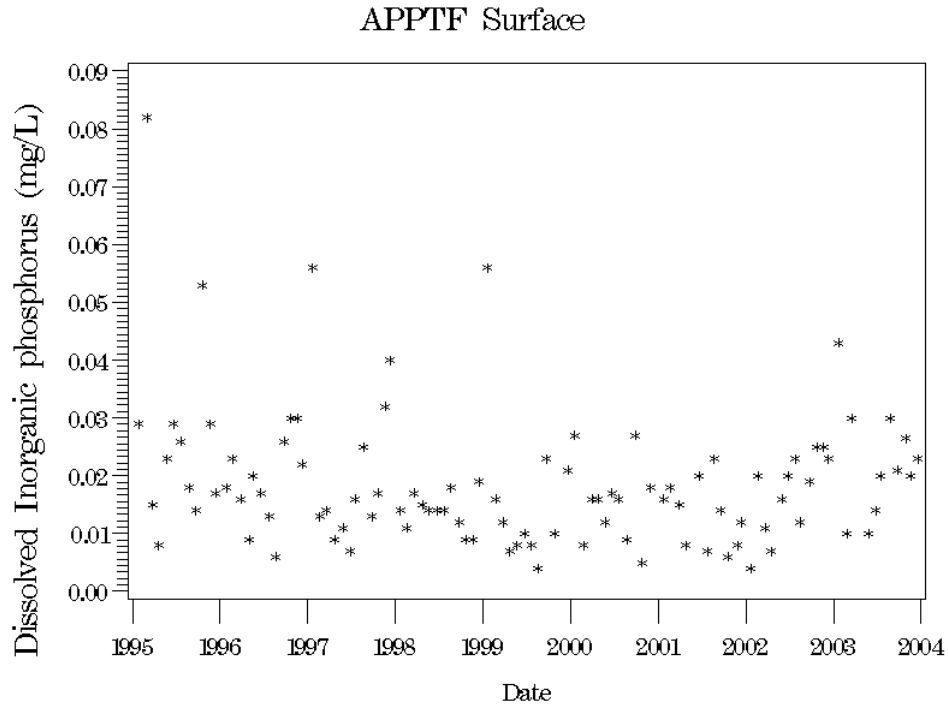


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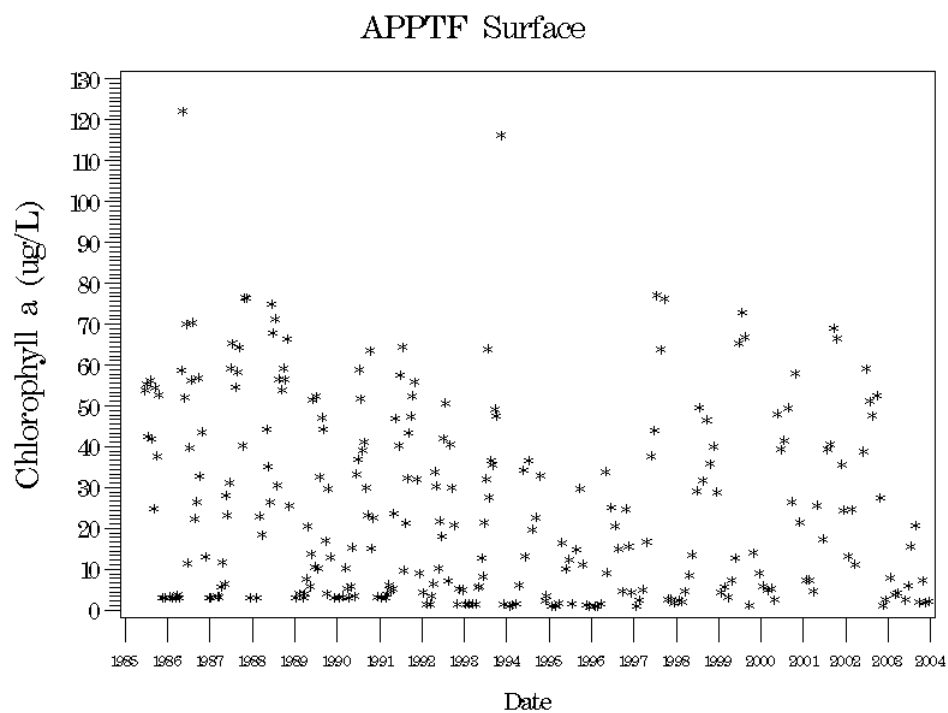


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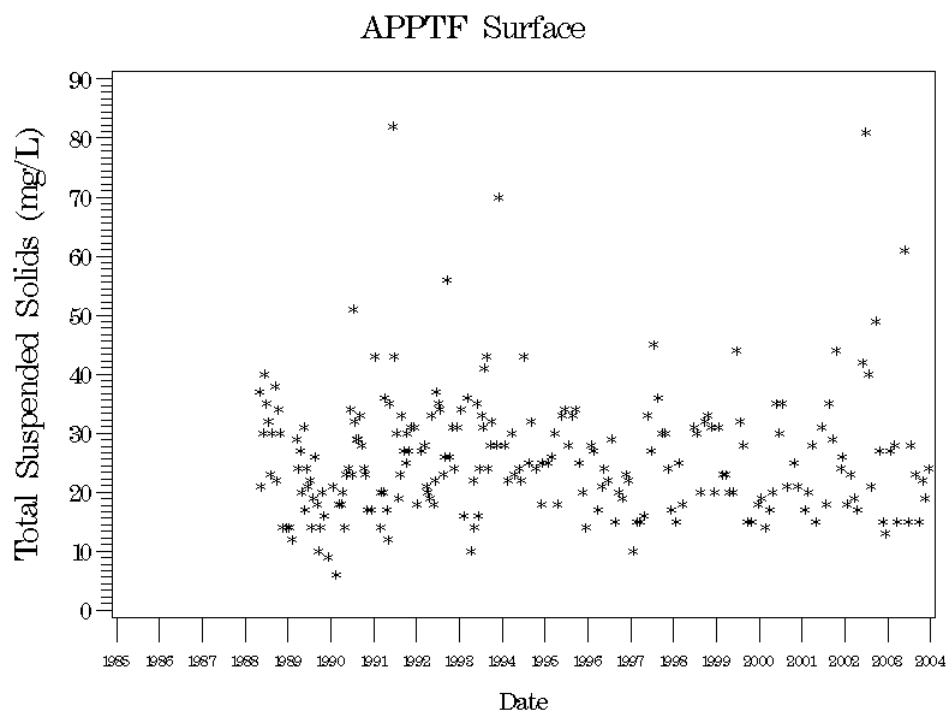


Figure 78. Scatterplot of surface total suspended solids at segment APPTF during the period 1985 to 2003.

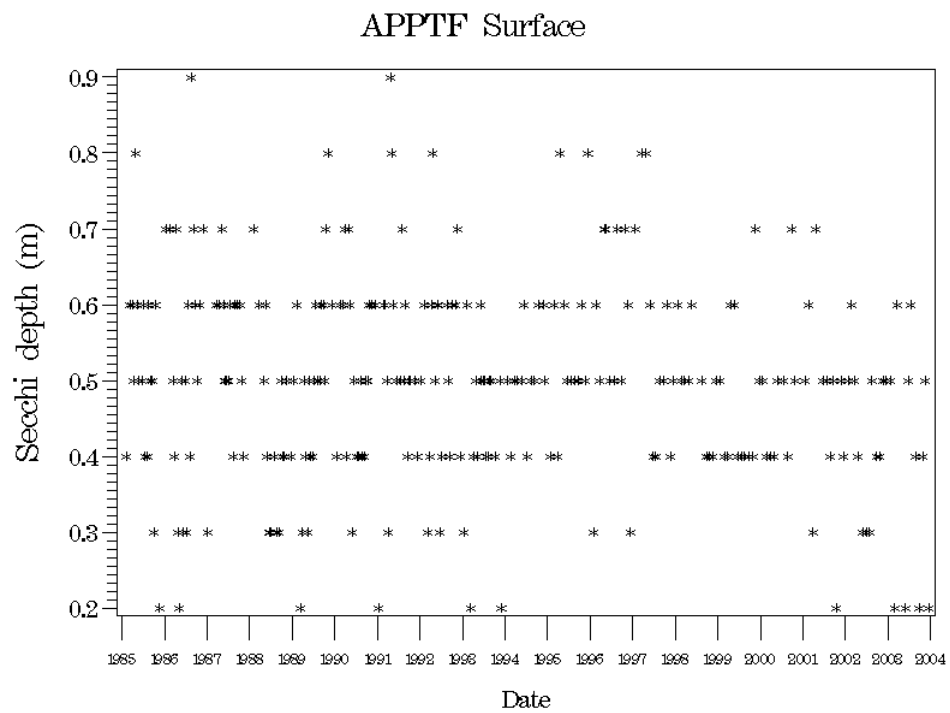


Figure 79. Scatterplot of secchi depth at segment APPTF during the period 1985 to 2003.

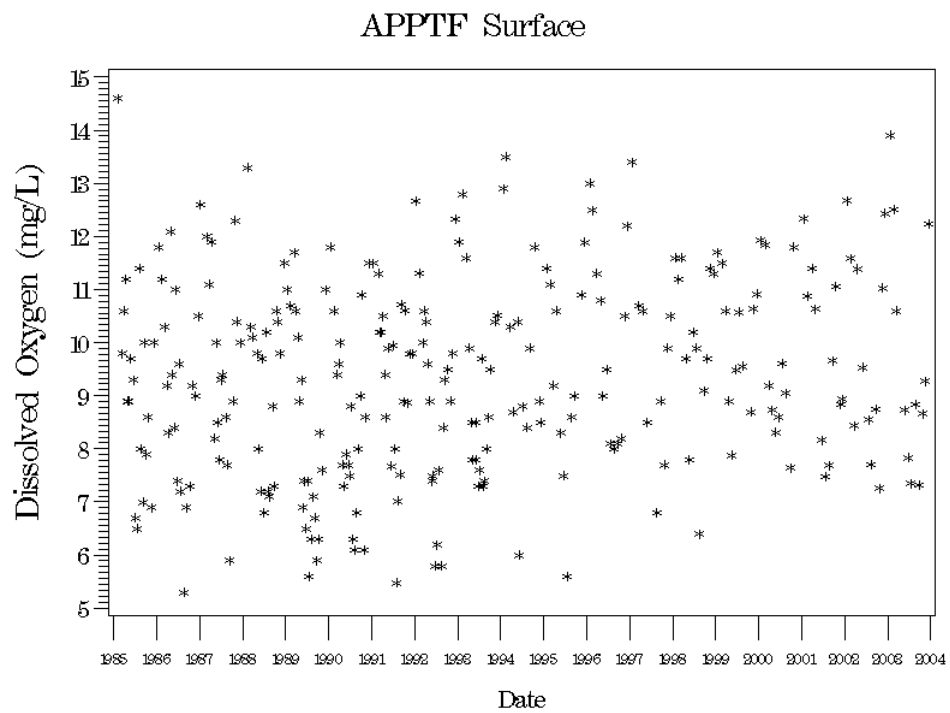


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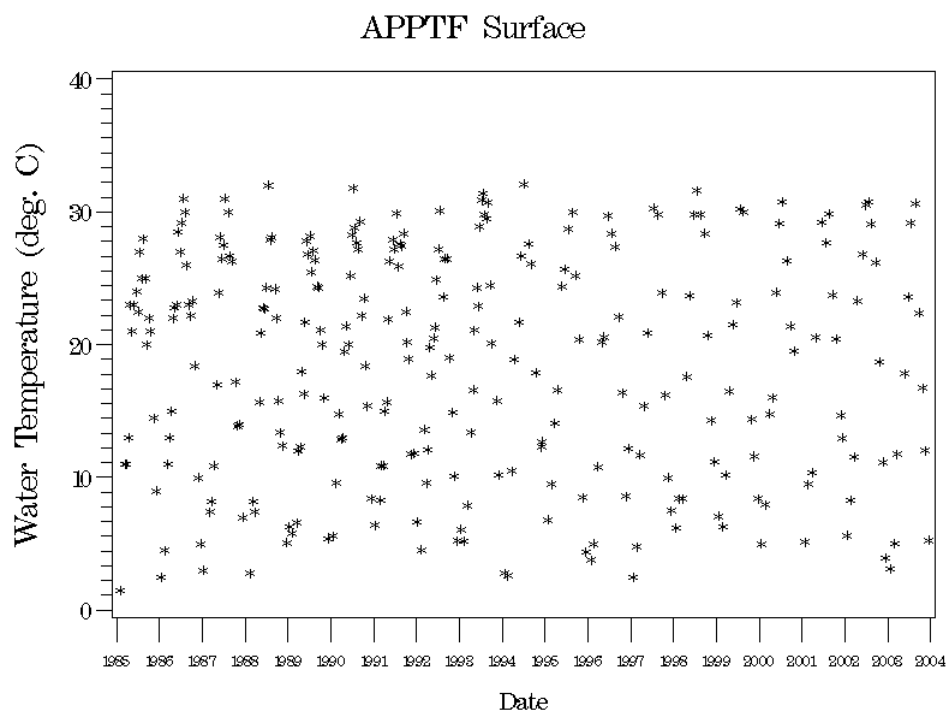


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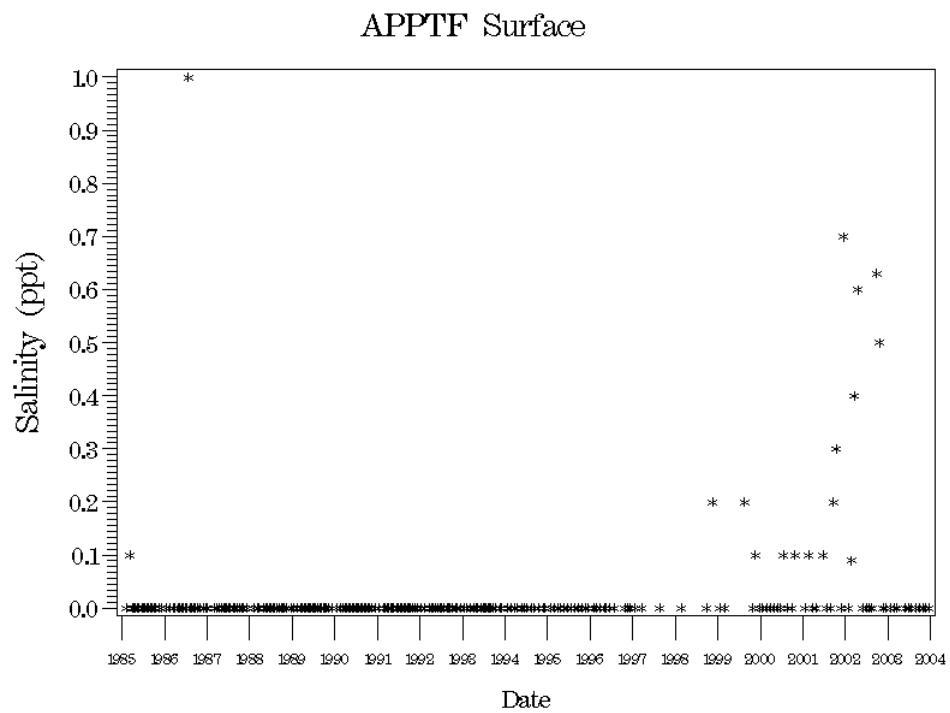
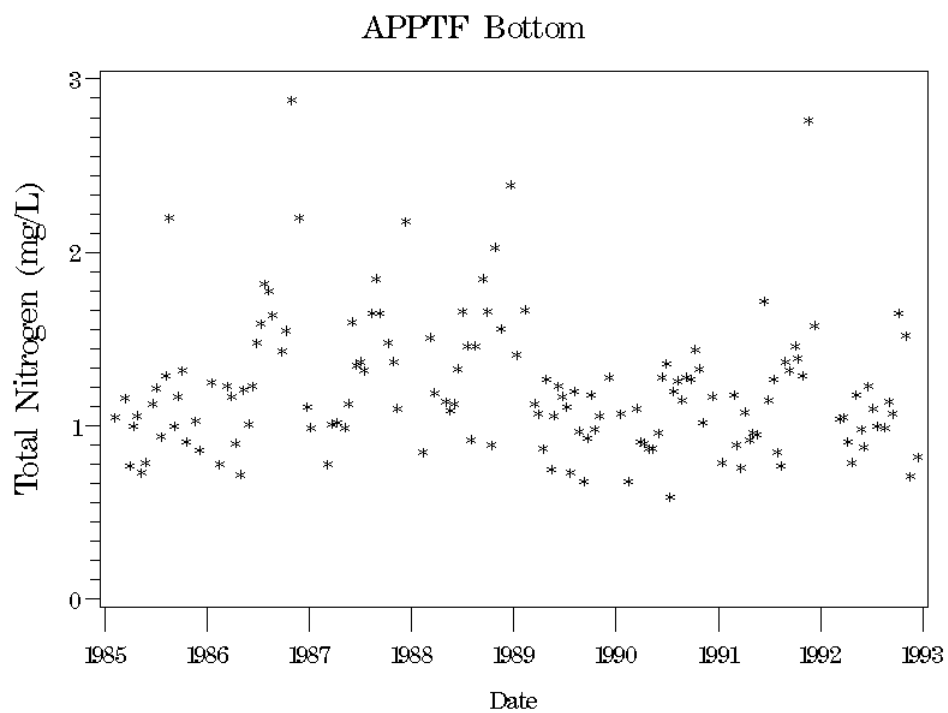


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a) Pre-method change period



b) Post-method change period

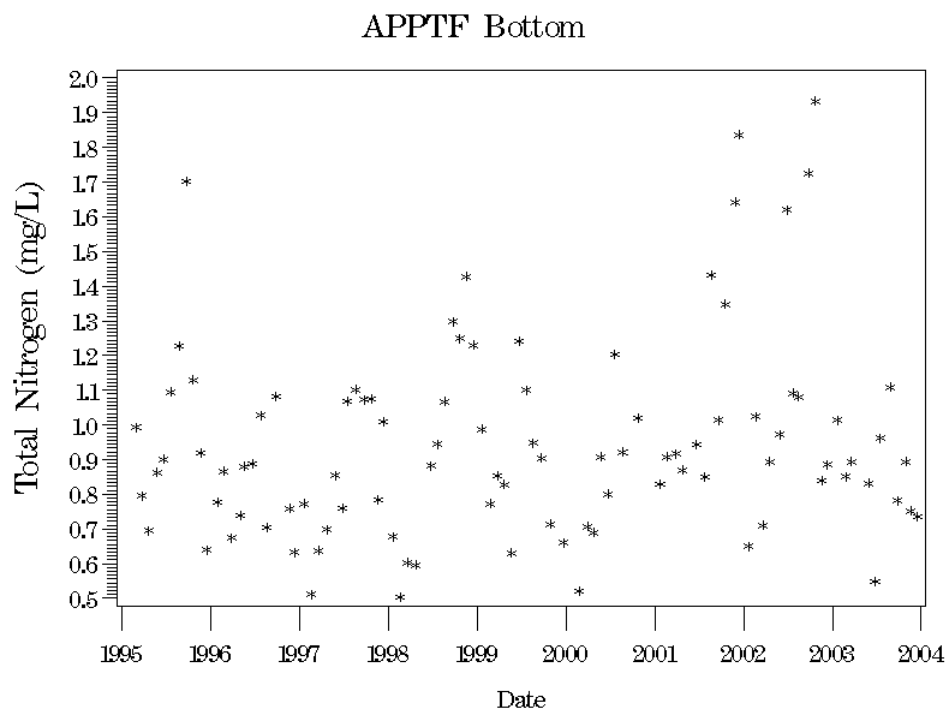
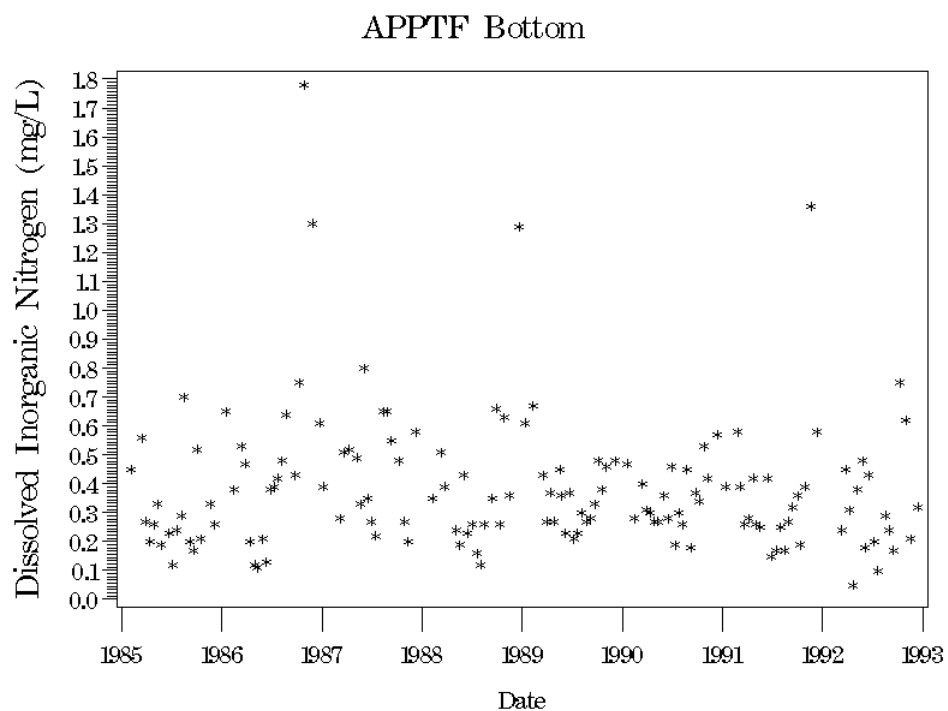


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a) Pre-method change period



b) Post-method change period

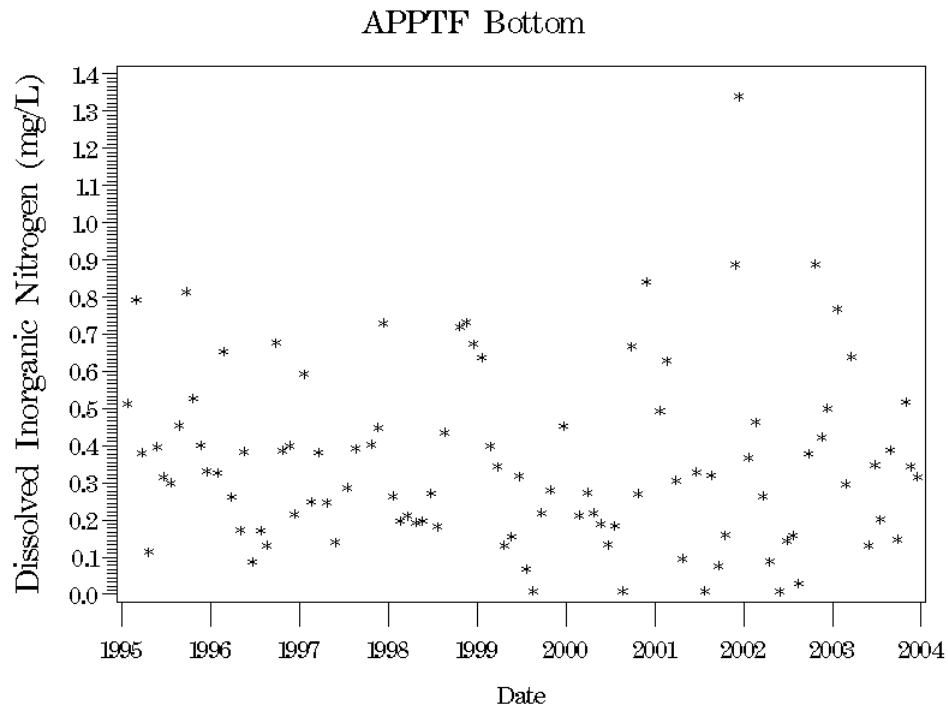
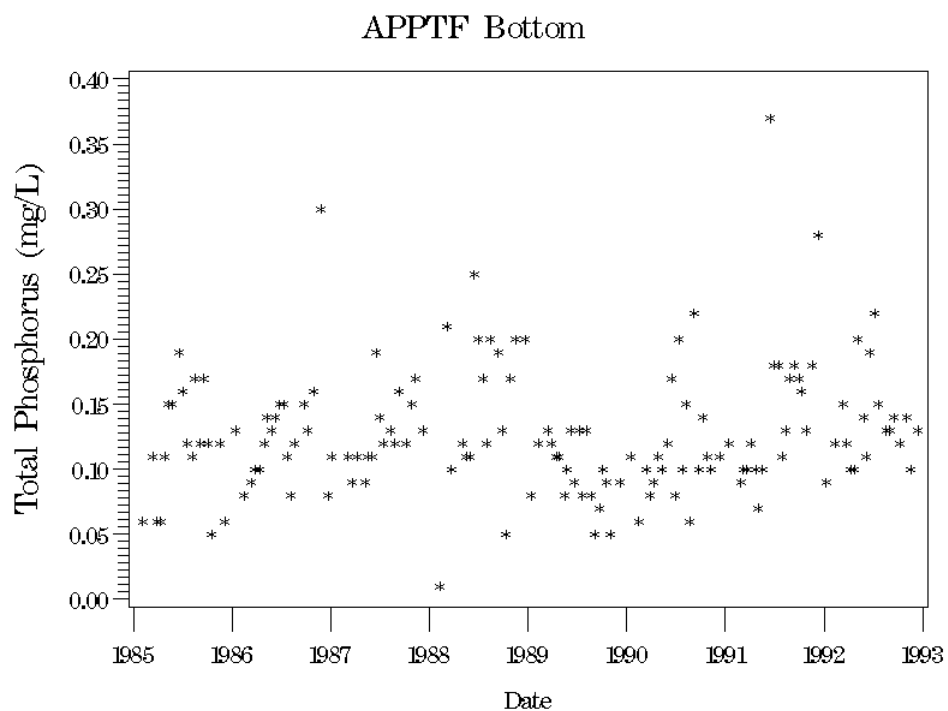


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a) Pre-method change period



b) Post-method change period

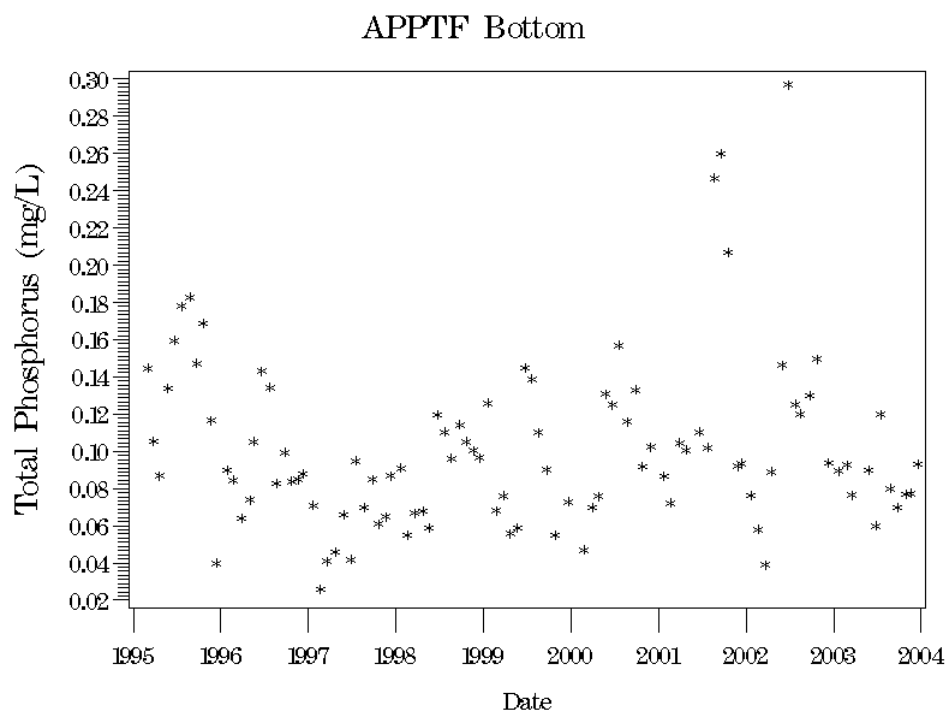
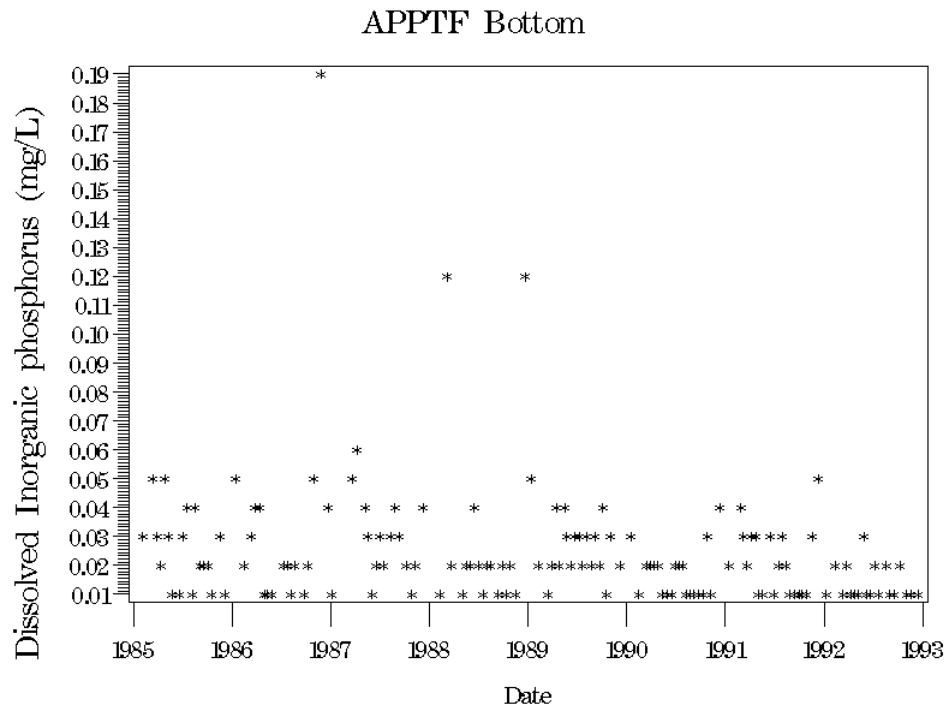


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a) Pre-method change period



b) Post-method change period

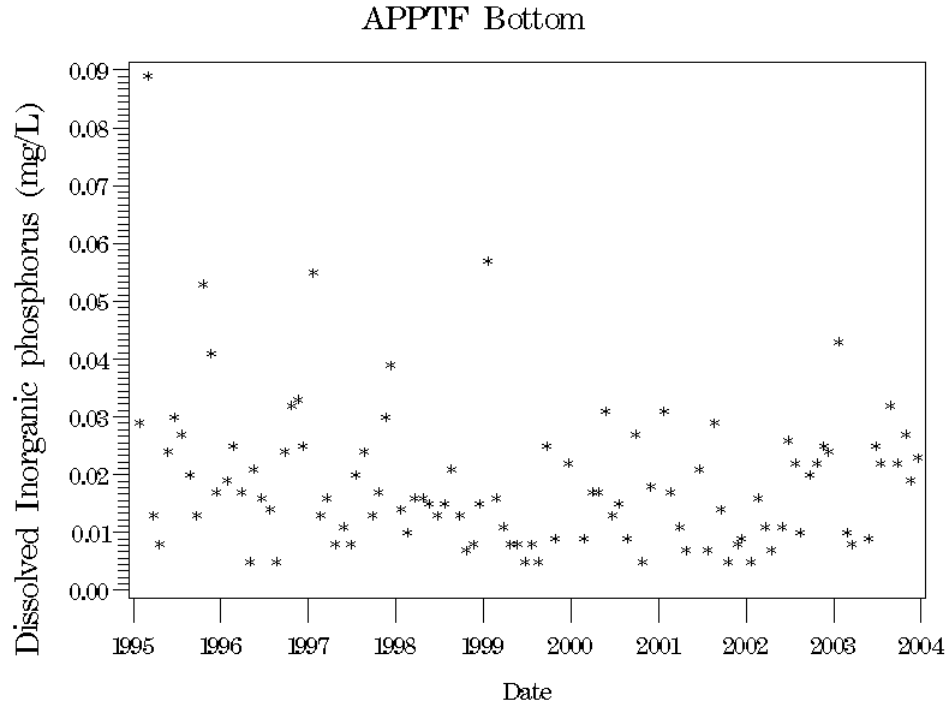


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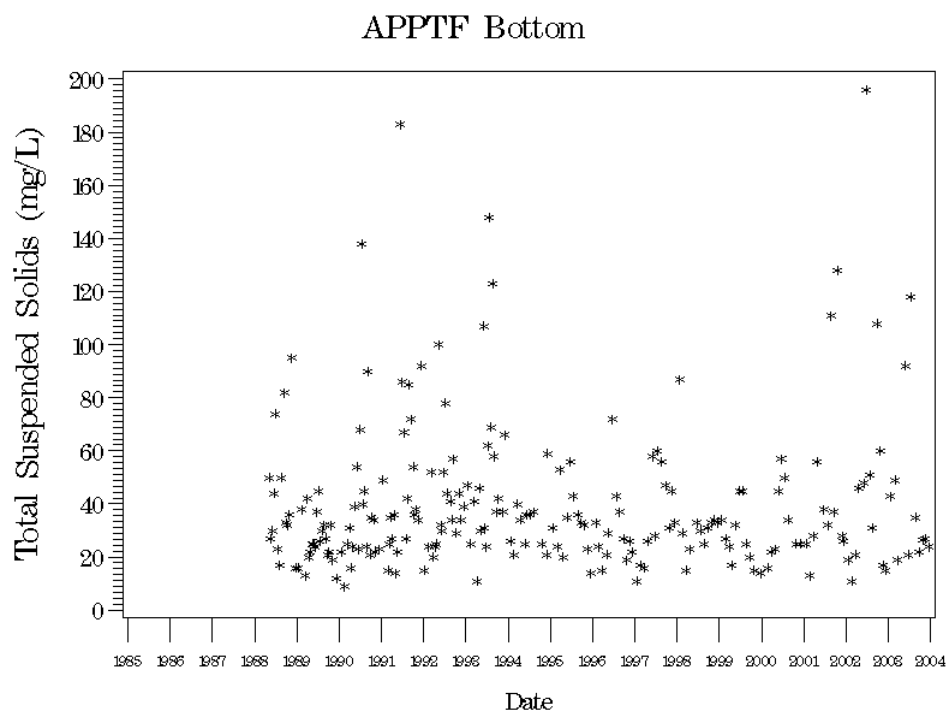


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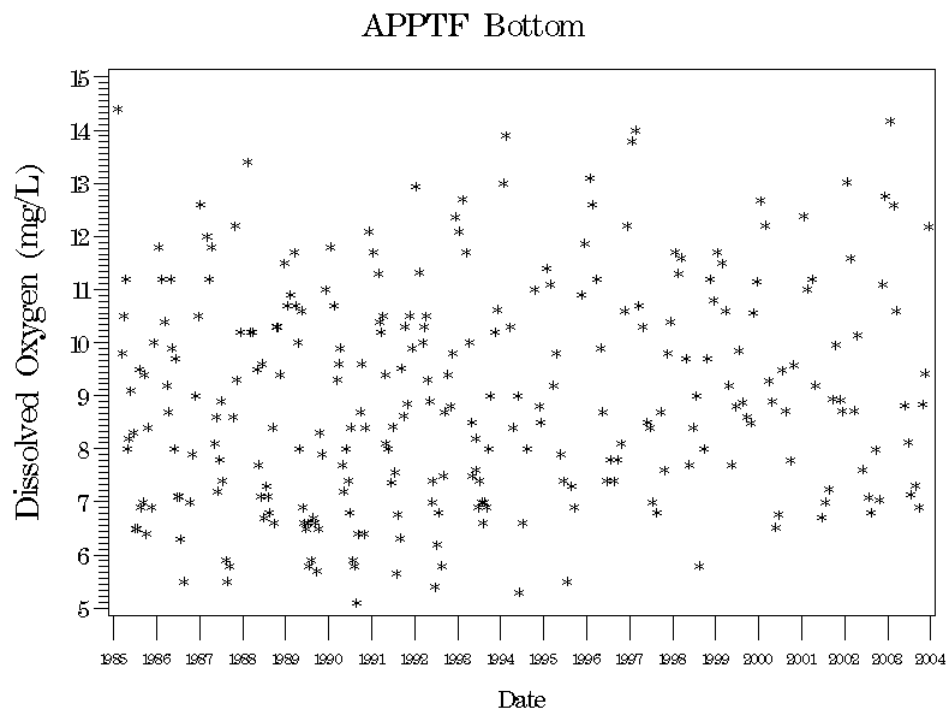


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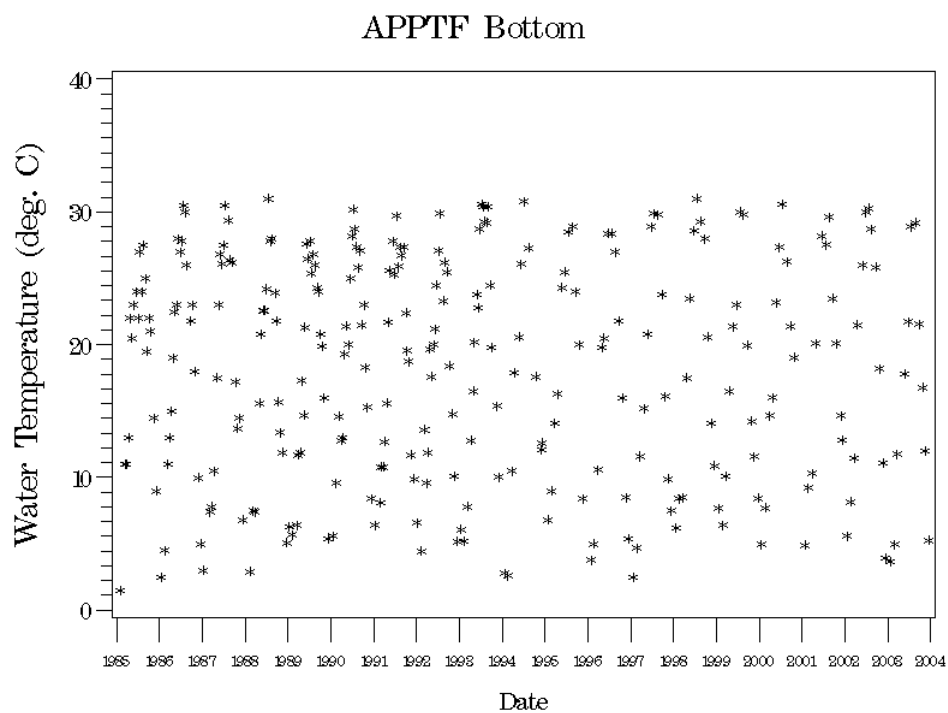


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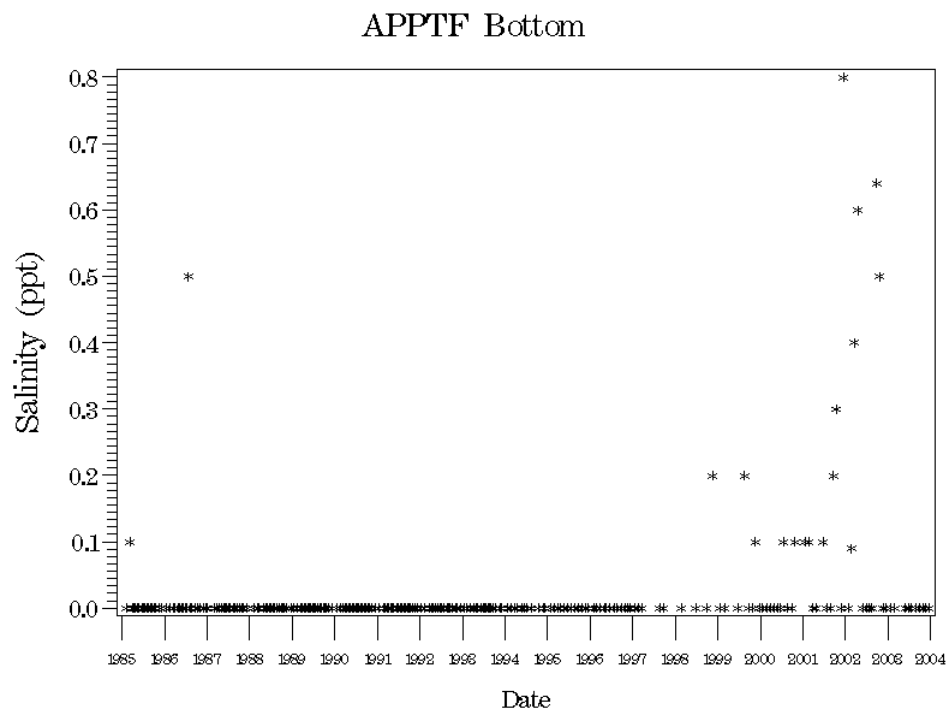
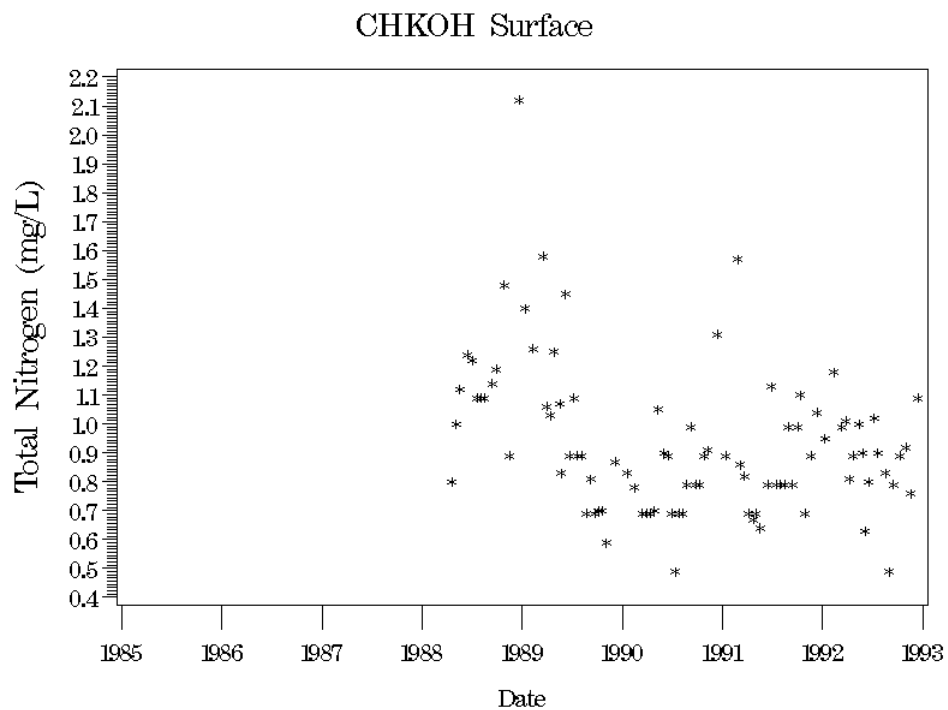


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a) Pre-method change period



b) Post-method change period

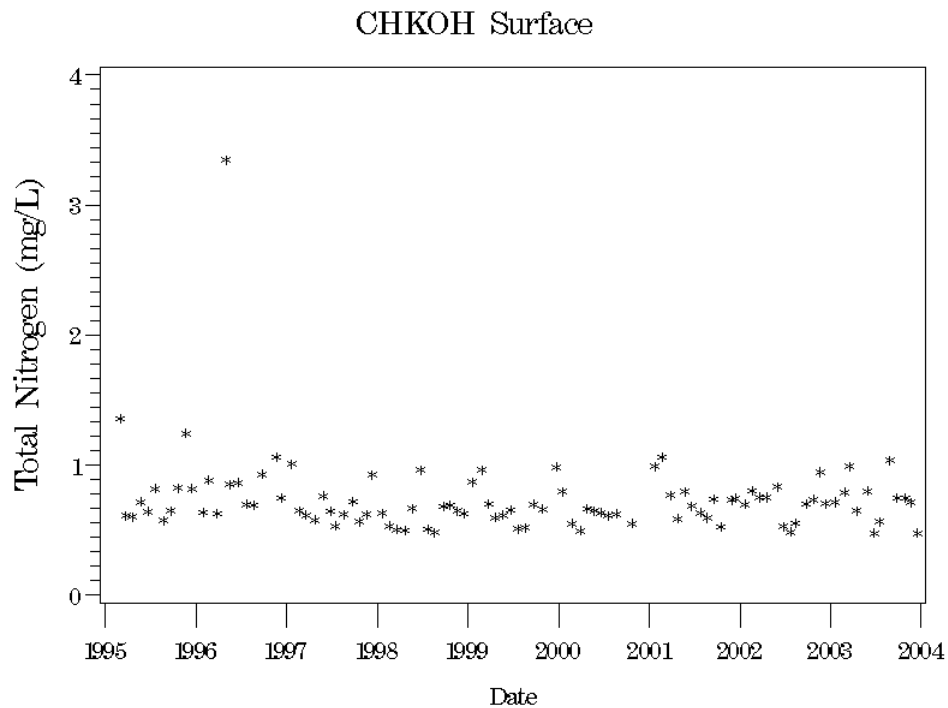
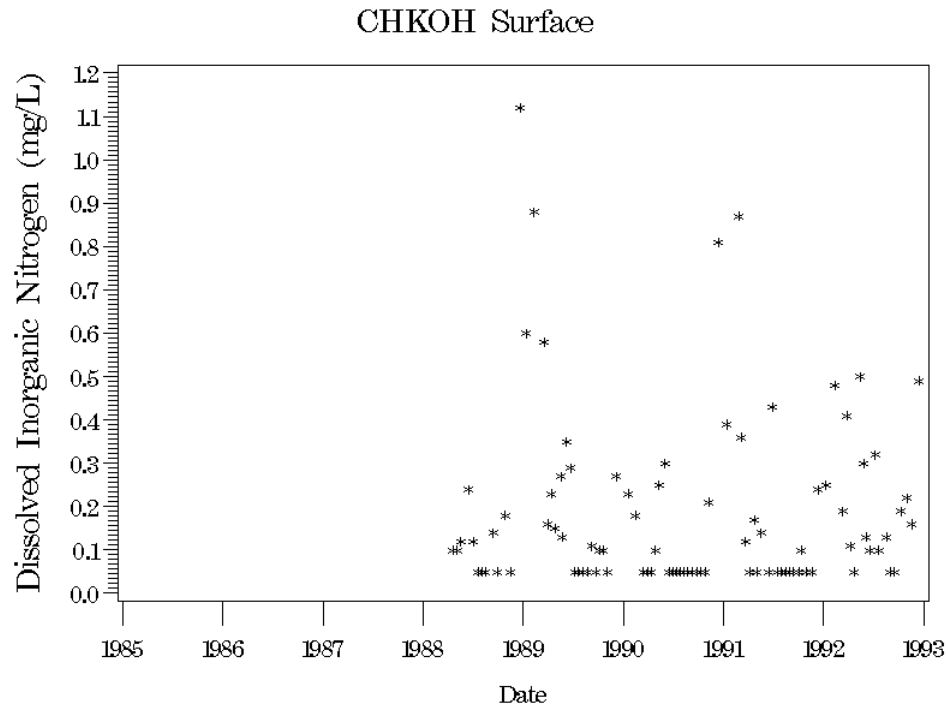


Figure 91. Scatterplots of surface total nitrogen at segment CHKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

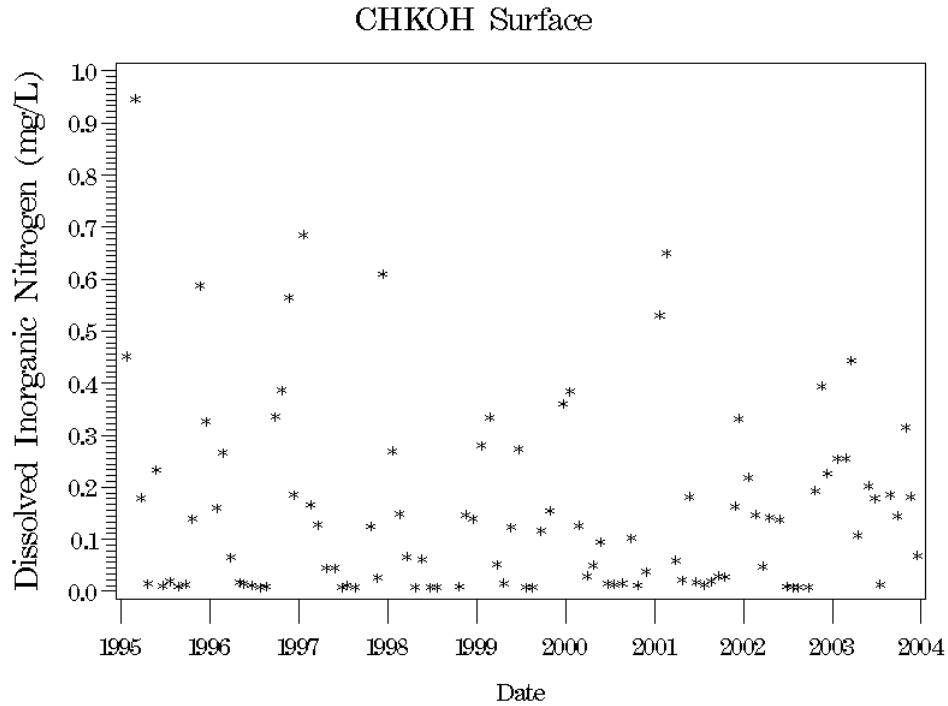
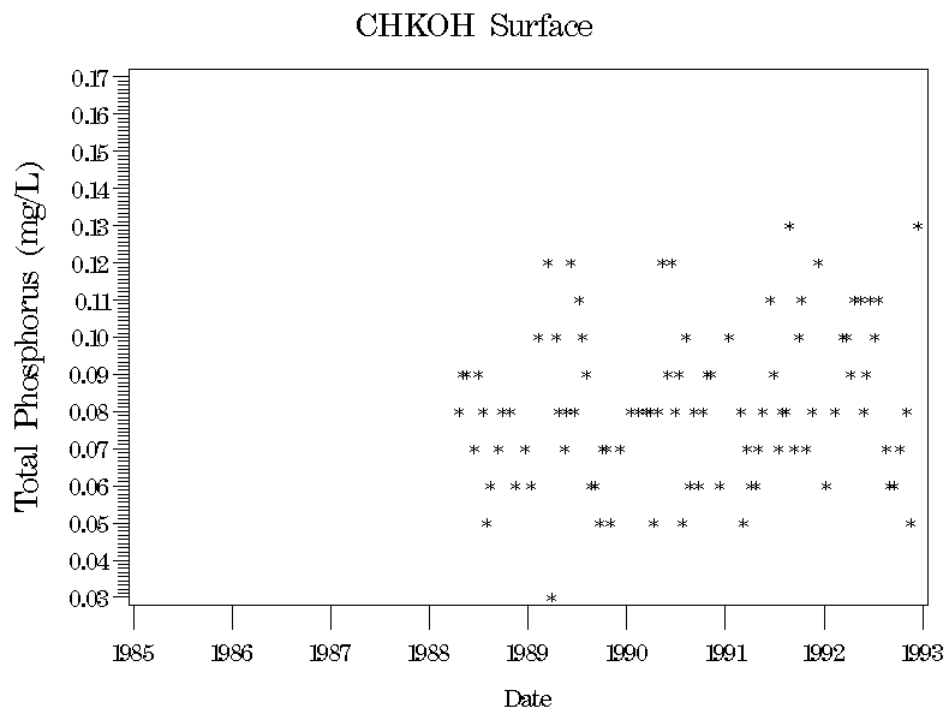


Figure 92. Scatterplots of surface dissolved inorganic nitrogen at segment CHKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

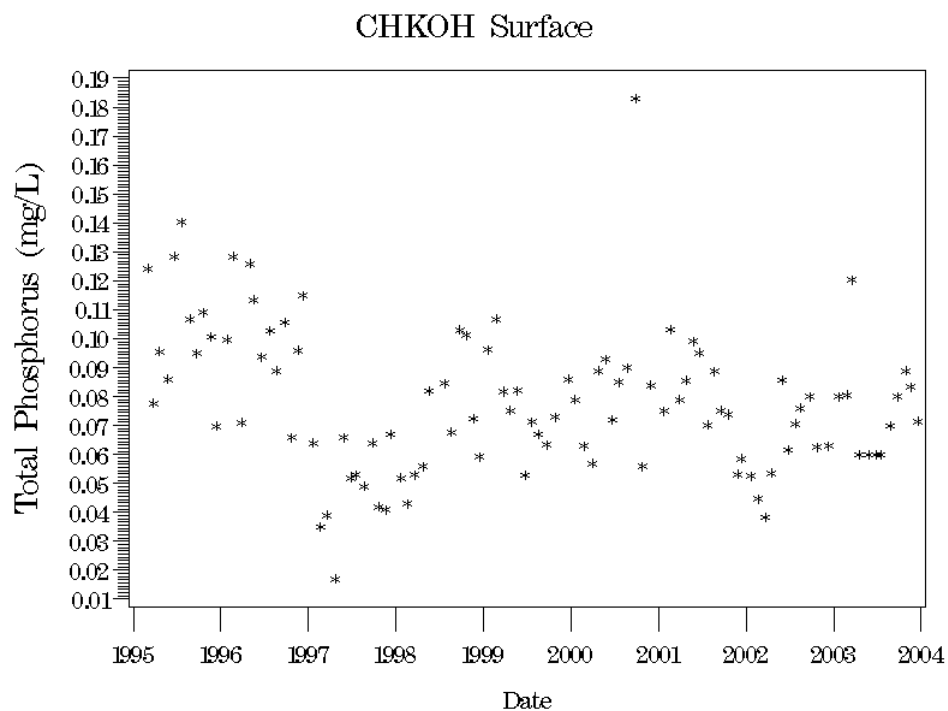
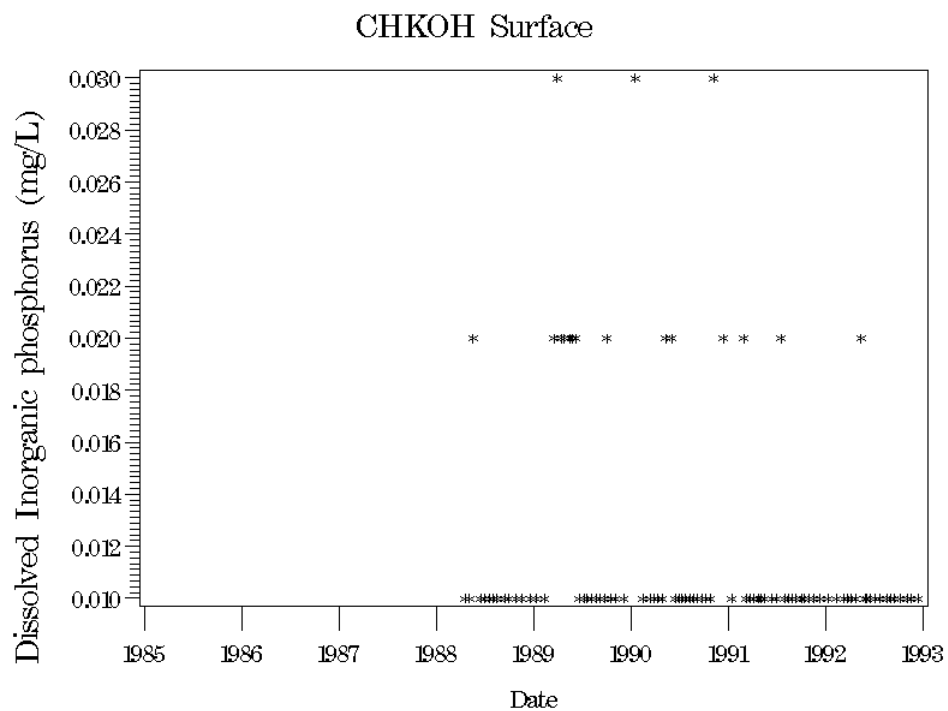


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a) Pre-method change period



b) Post-method change period

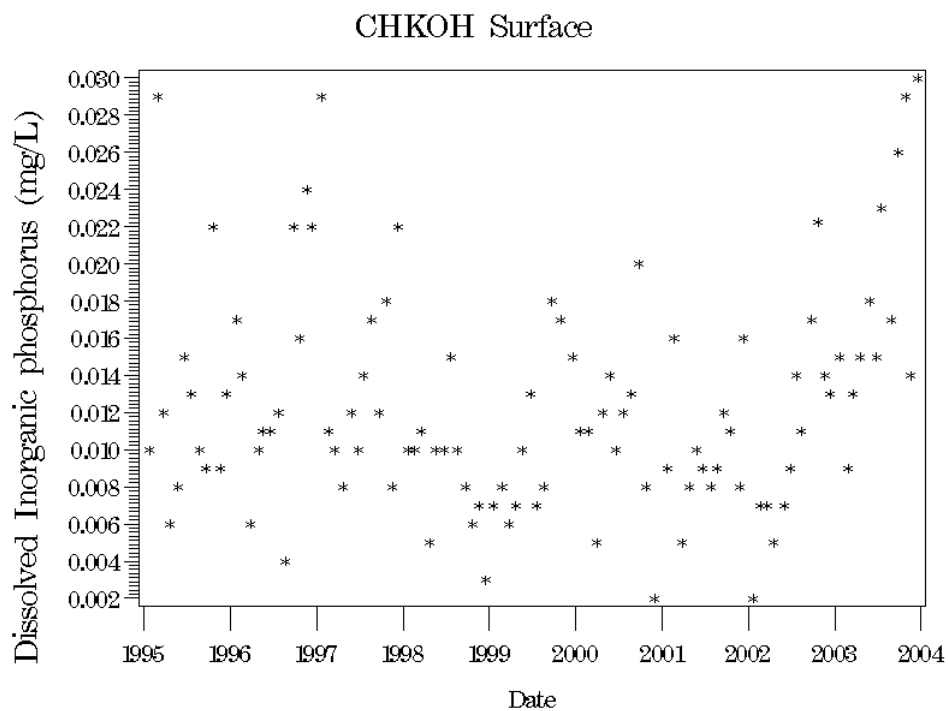


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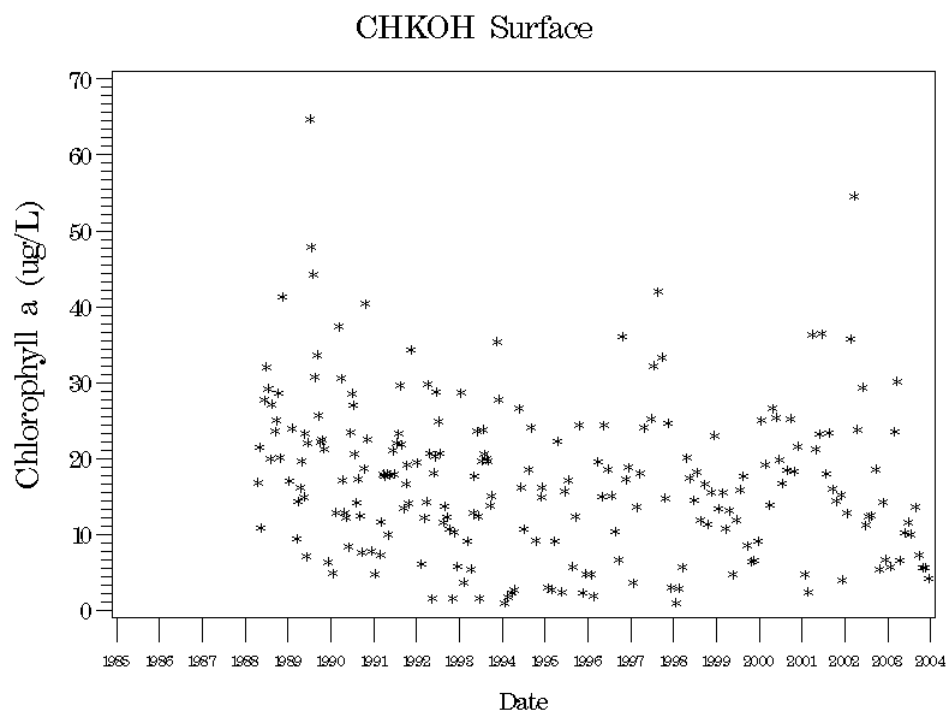


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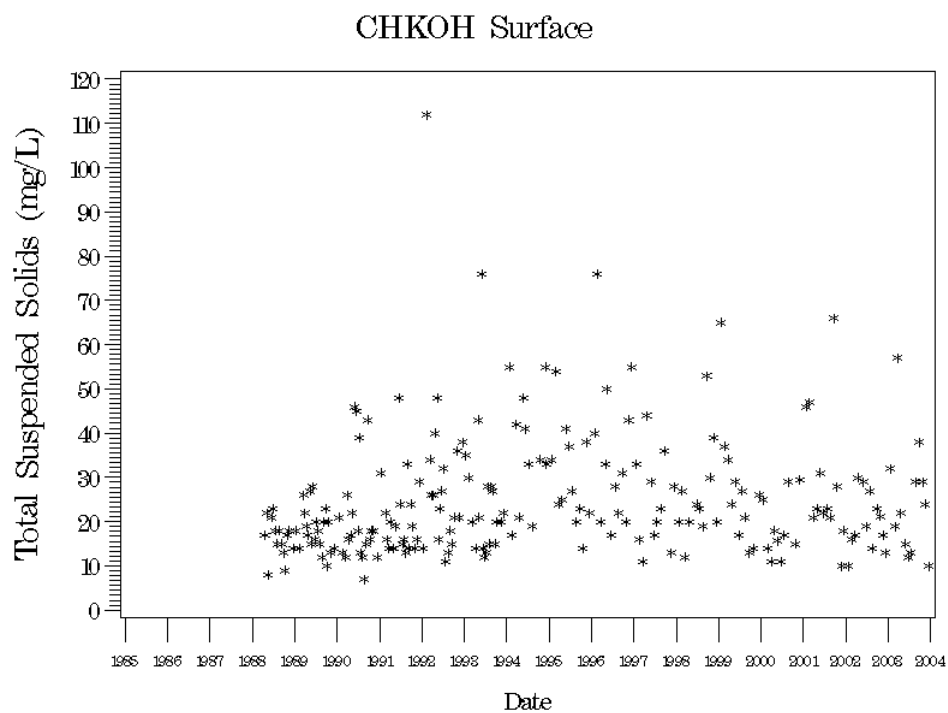


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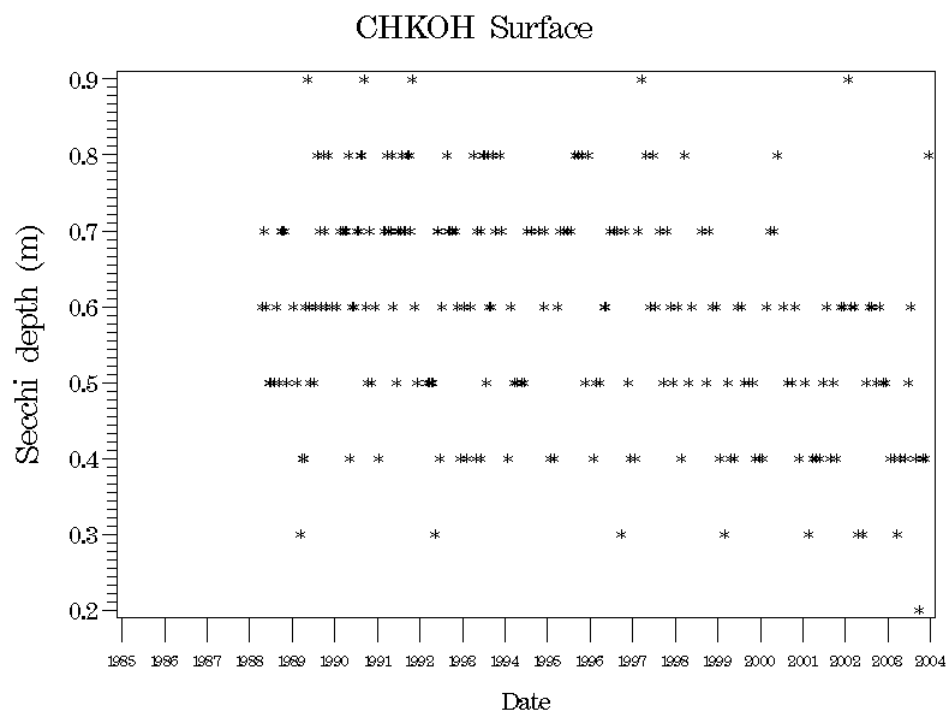


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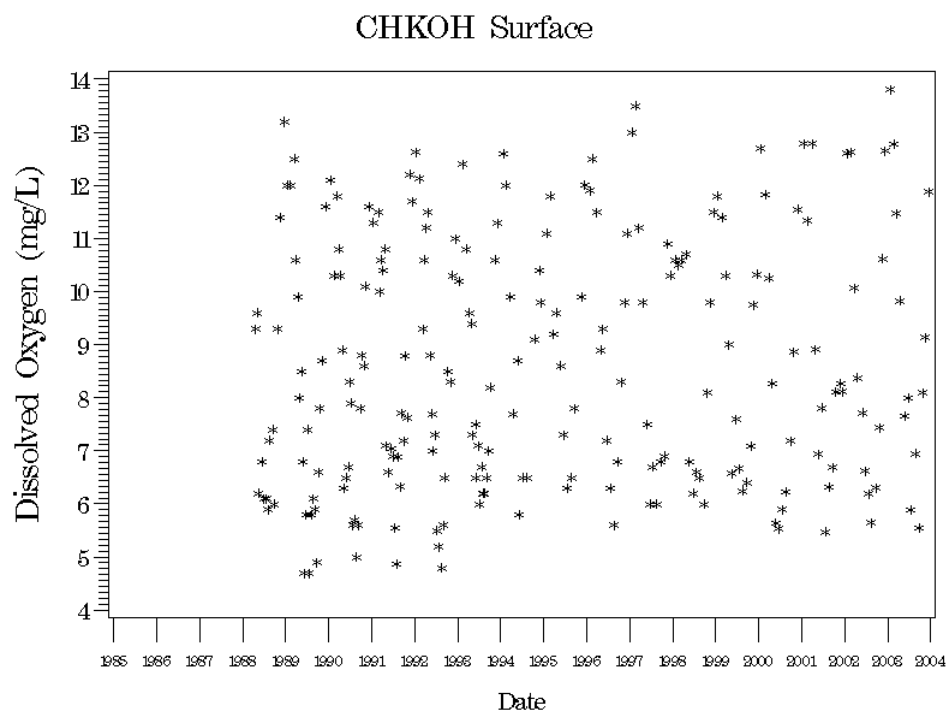


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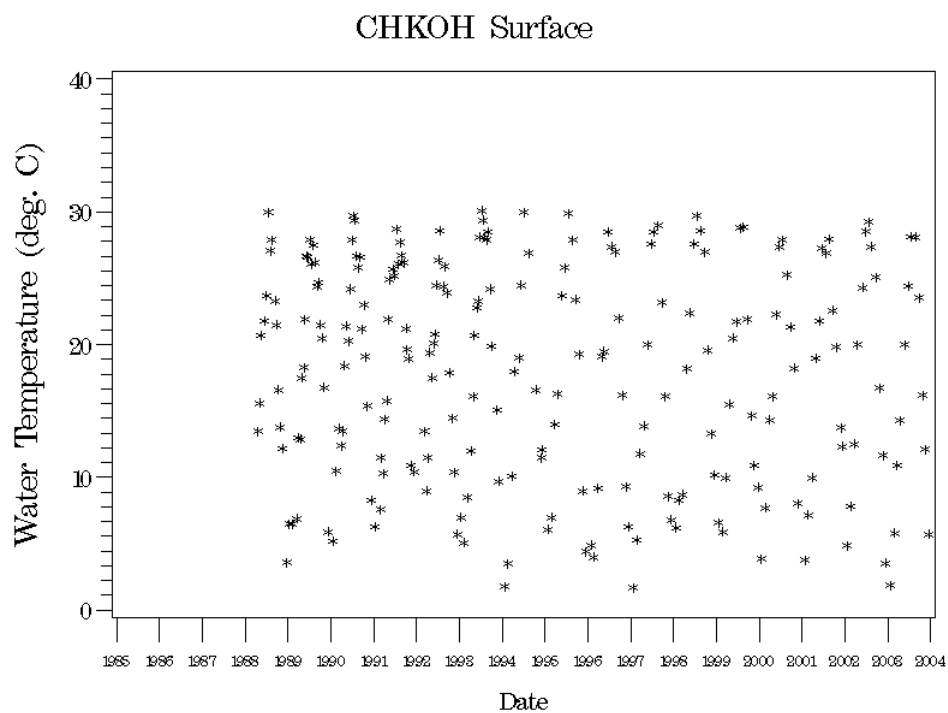


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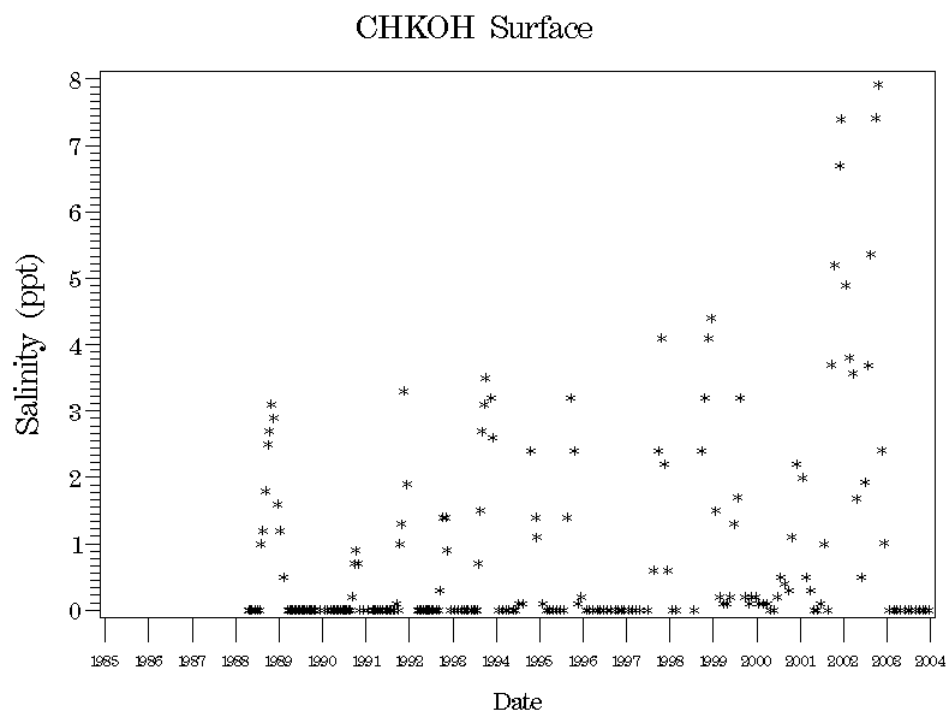
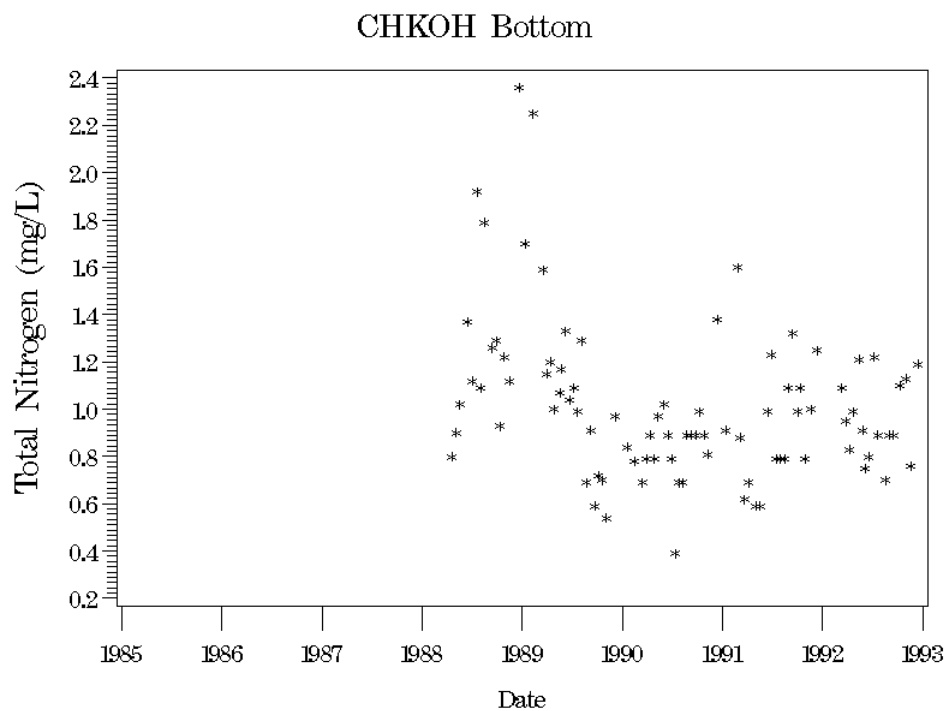


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a) Pre-method change period



b) Post-method change period

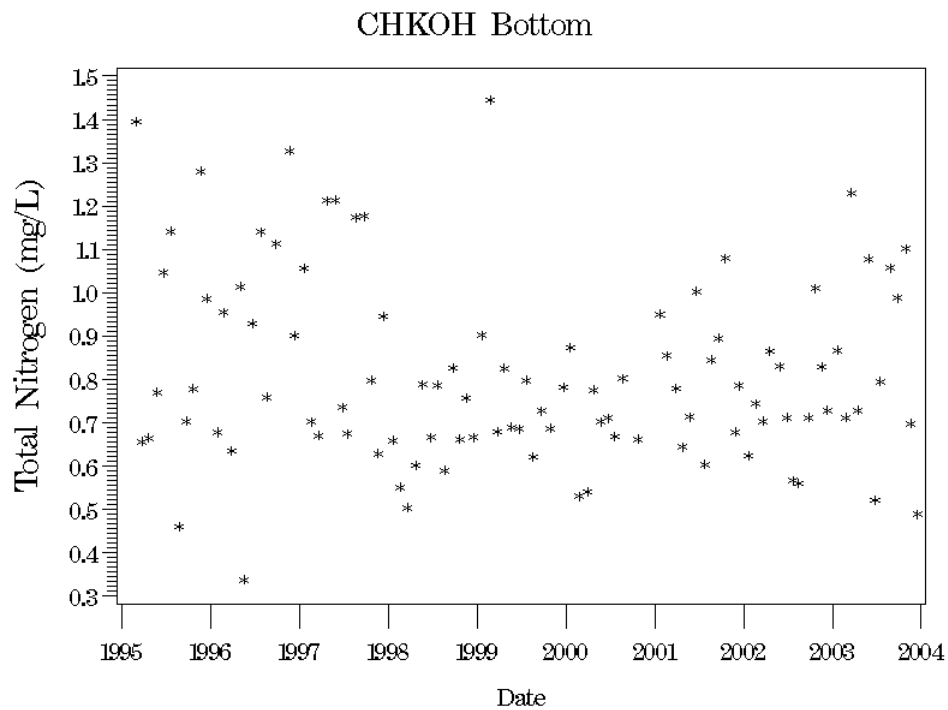
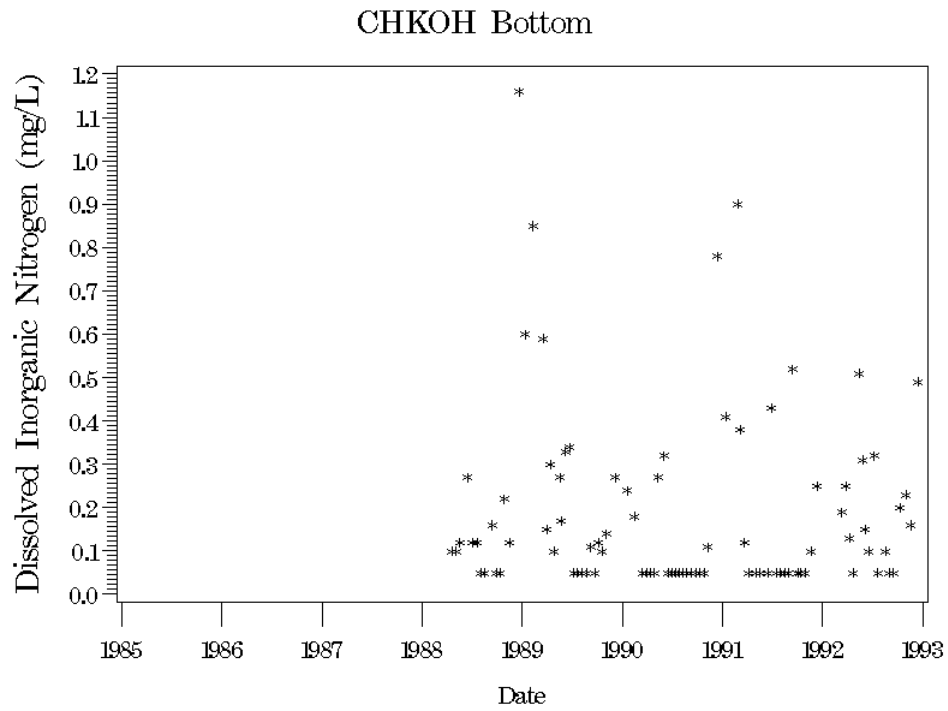


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a) Pre-method change period



b) Post-method change period

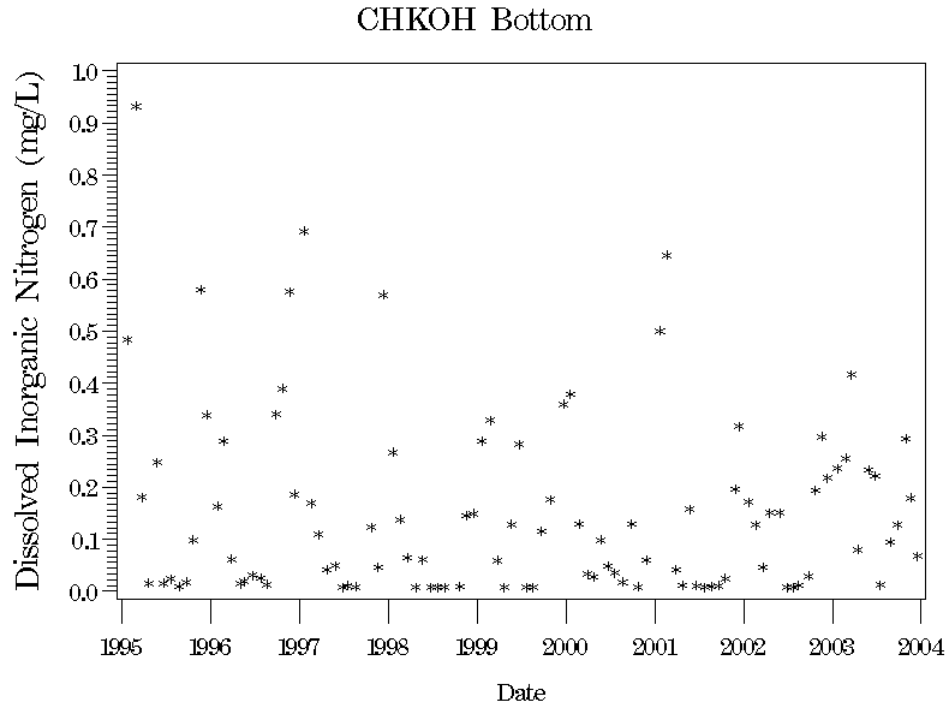
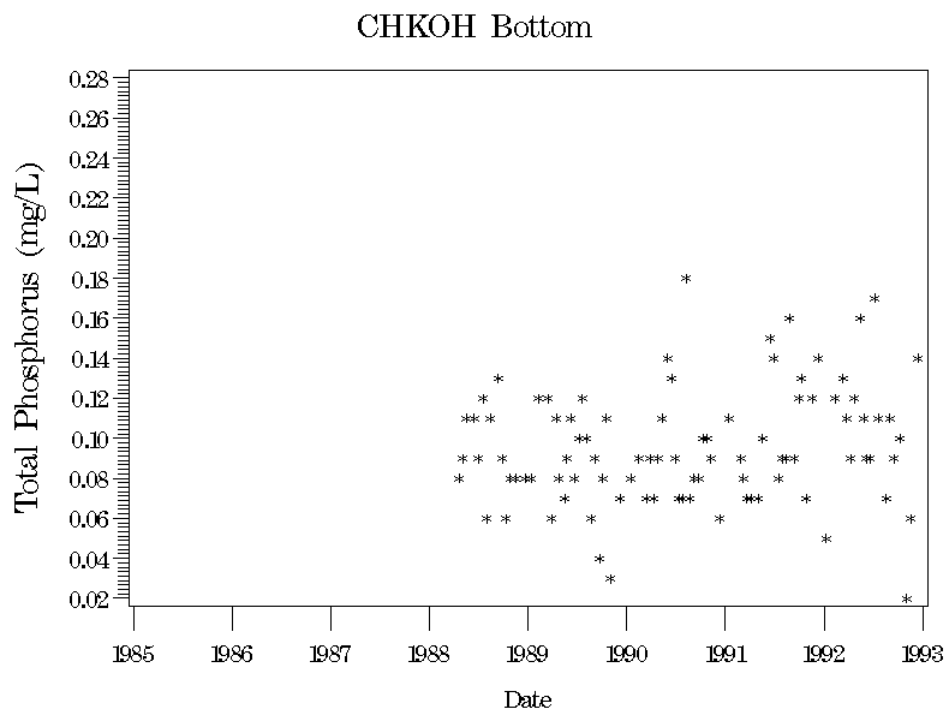


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a) Pre-method change period



b) Post-method change period

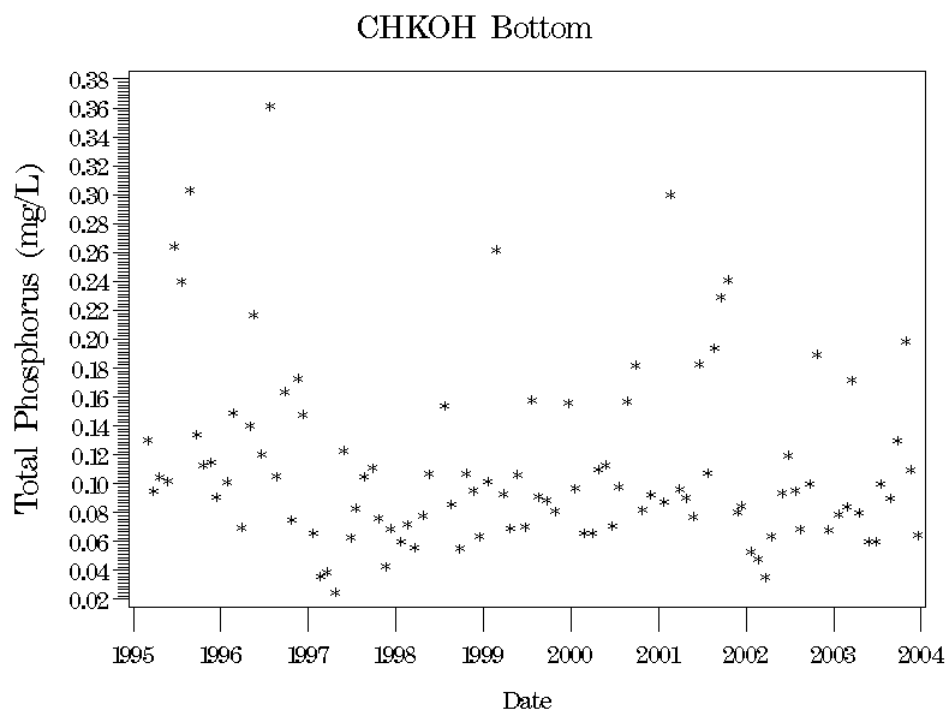
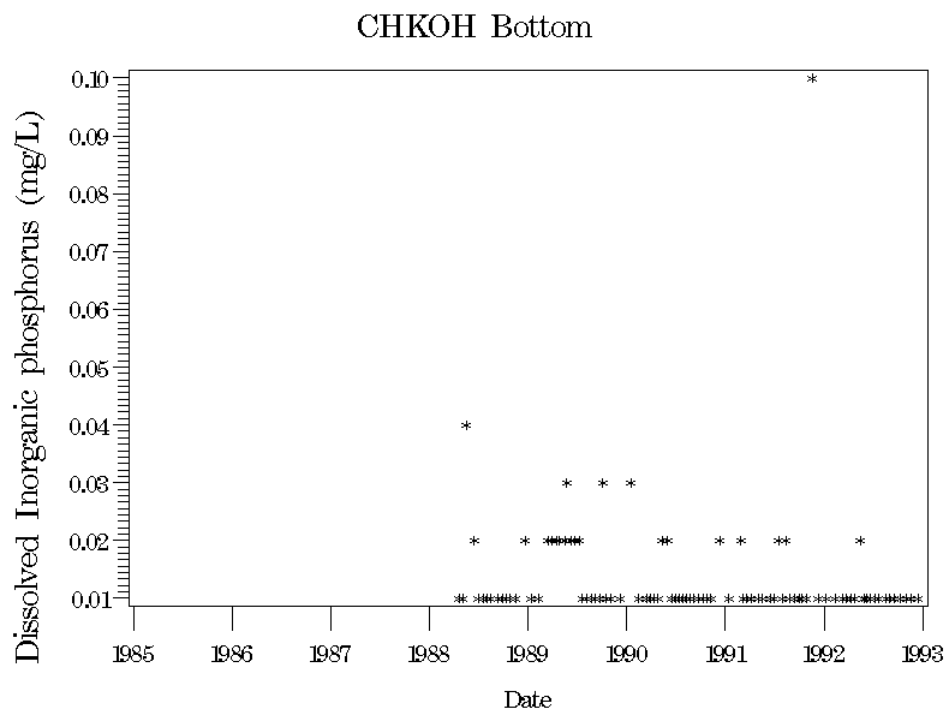


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a) Pre-method change period



b) Post-method change period

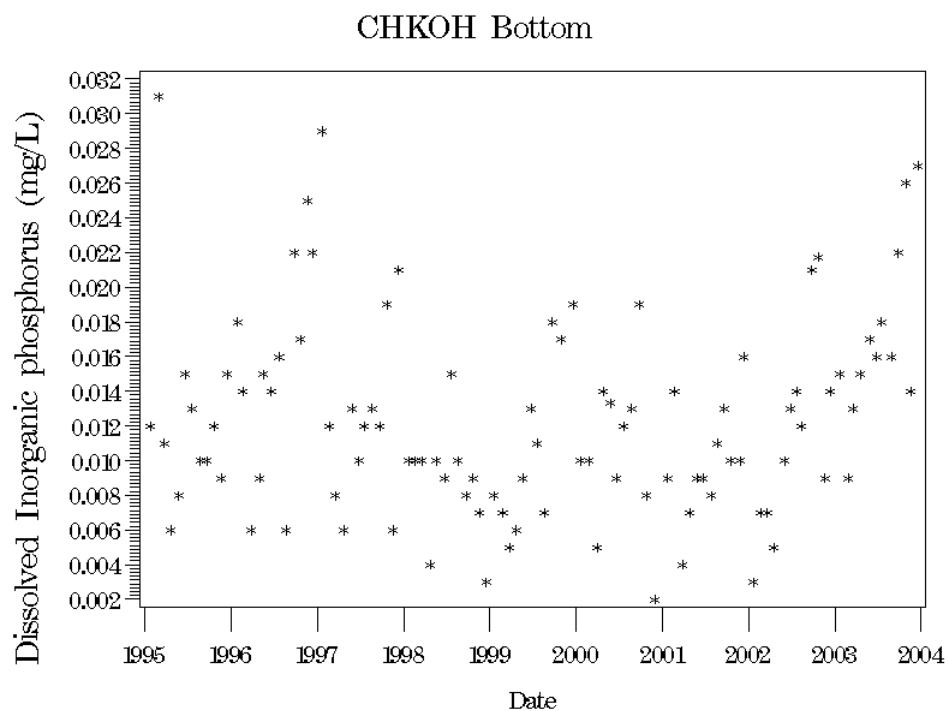


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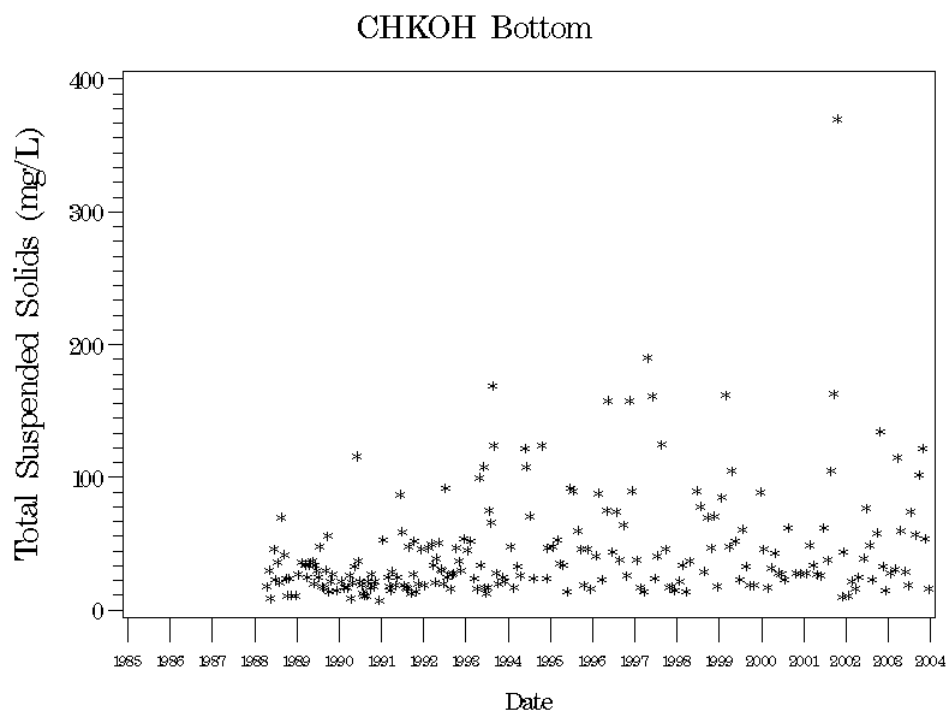


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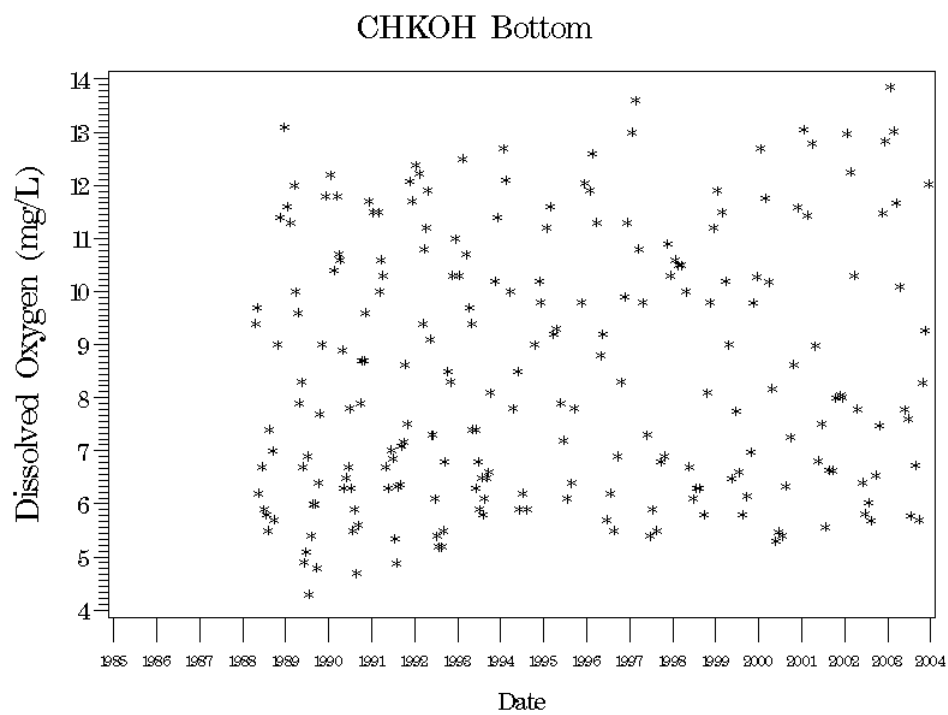


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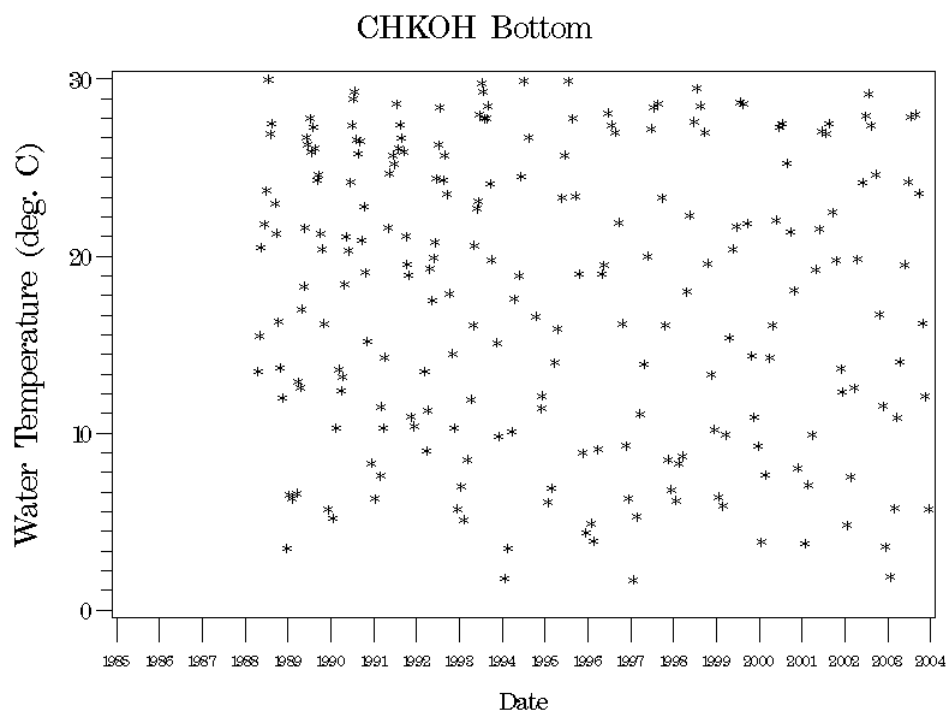


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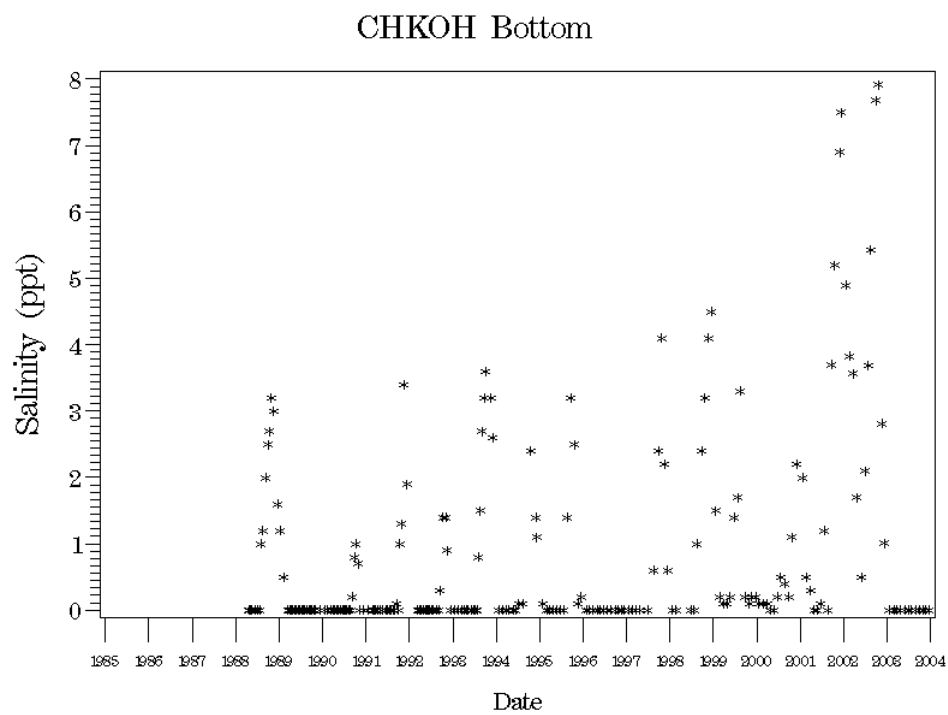


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**Appendix C - Water Quality Scatterplots**  
**Section II - Elizabeth River**



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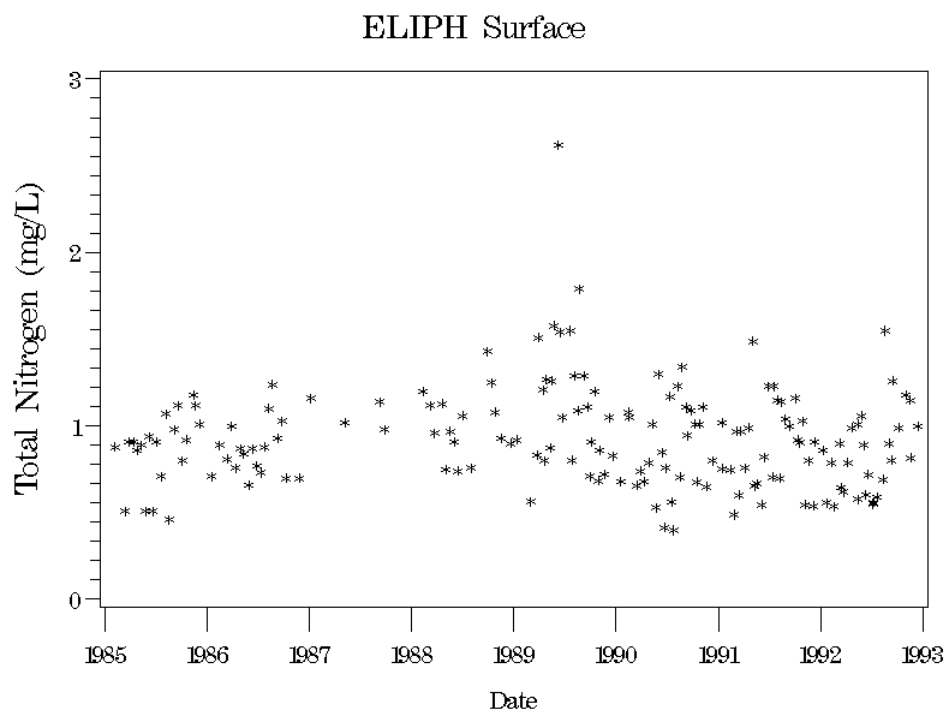
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Figure 73.	Scatterplot of bottom salinity at segment EBEMH during the period 1985 to 2002. ....	C-II-73

a) Pre-method change period



b) Post-method change period

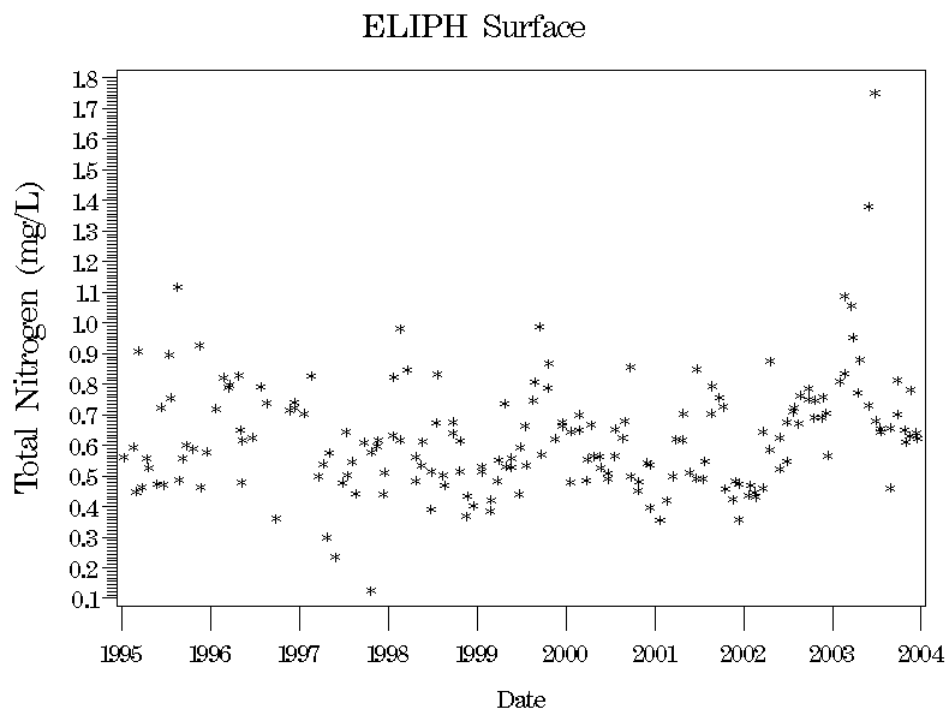
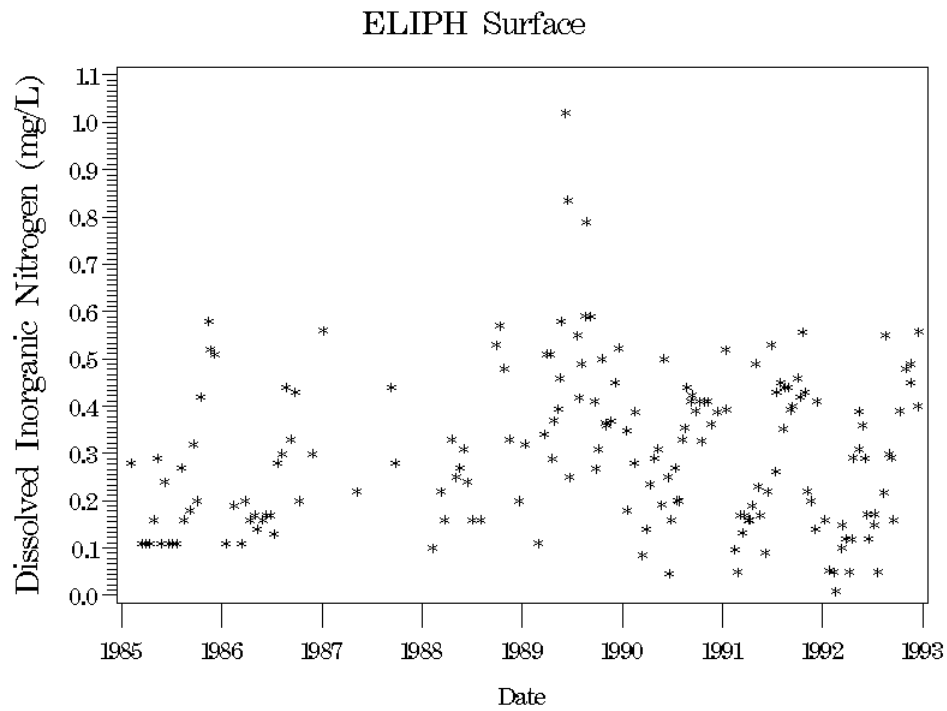


Figure 1. Scatterplots of surface total nitrogen at segment ELIPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

a) Pre-method change period



b) Post-method change period

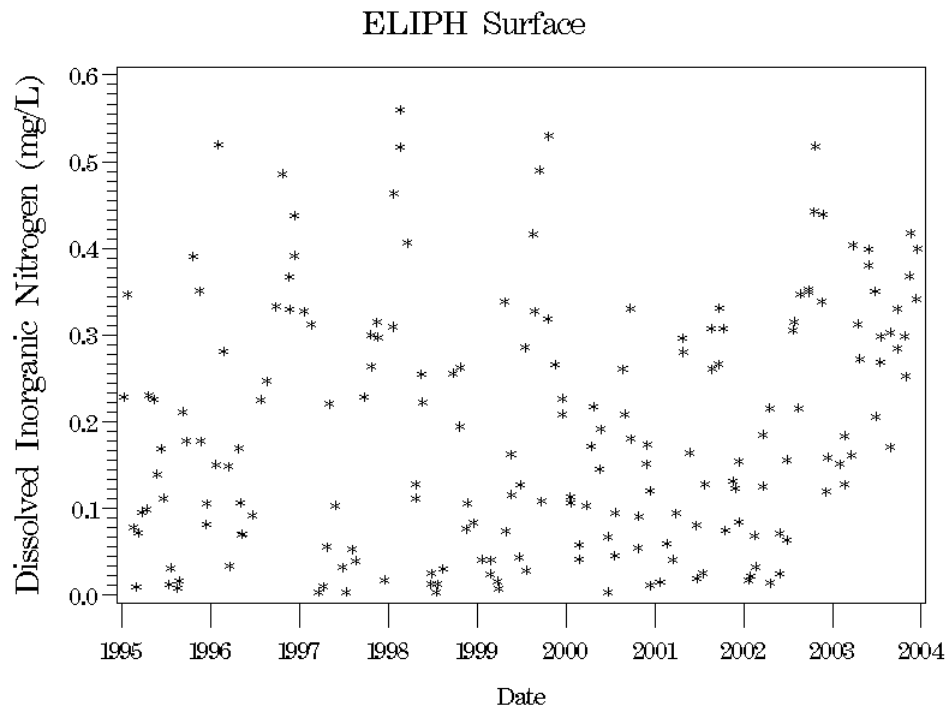
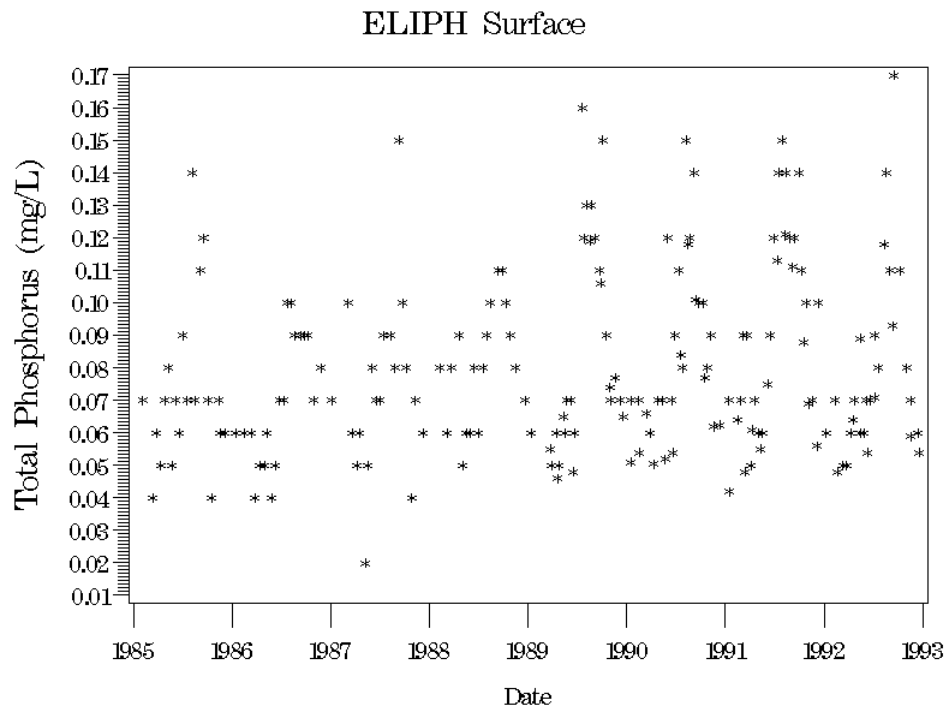


Figure 2. Scatterplots of surface dissolved inorganic nitrogen at segment ELIPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

a) Pre-method change period



b) Post-method change period

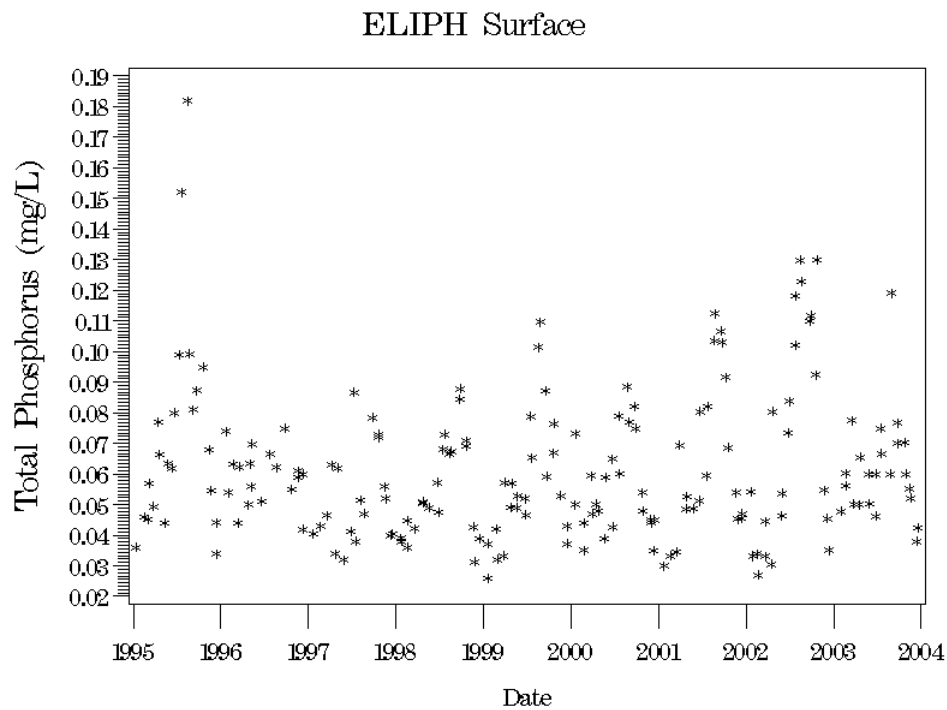
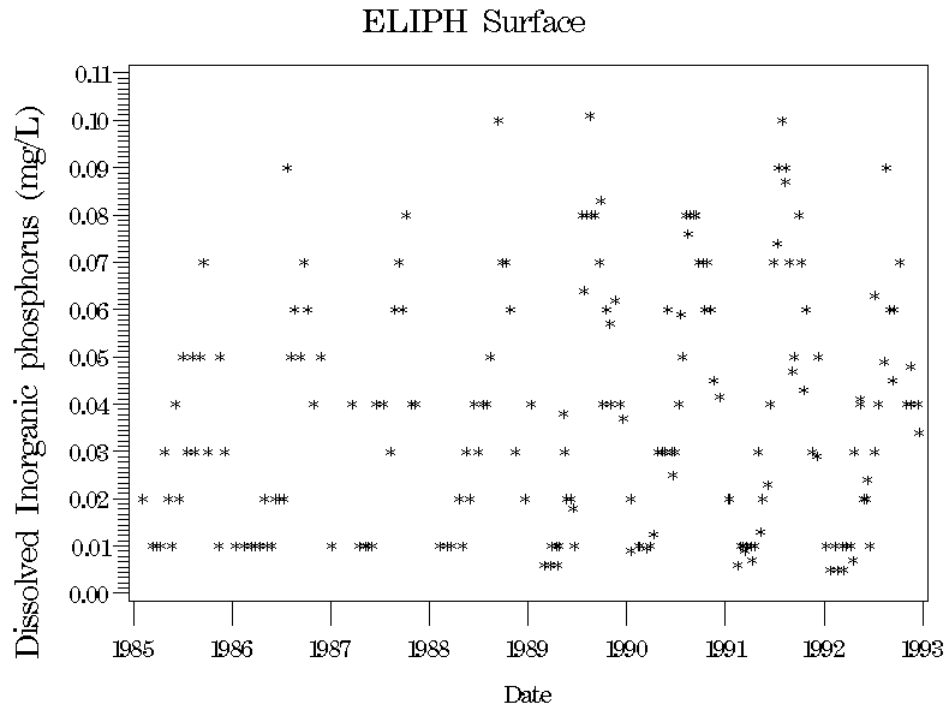


Figure 3. Scatterplots of surface total phosphorus at segment ELIPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

a) Pre-method change period



b) Post-method change period

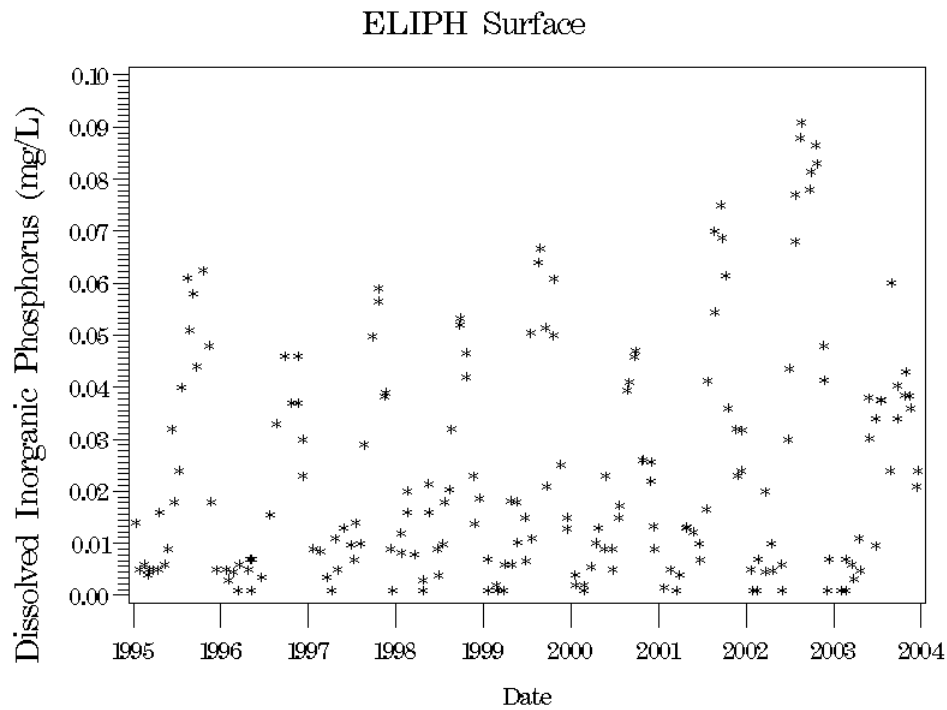


Figure 4. Scatterplots of surface dissolved inorganic phosphorus at segment ELIPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.



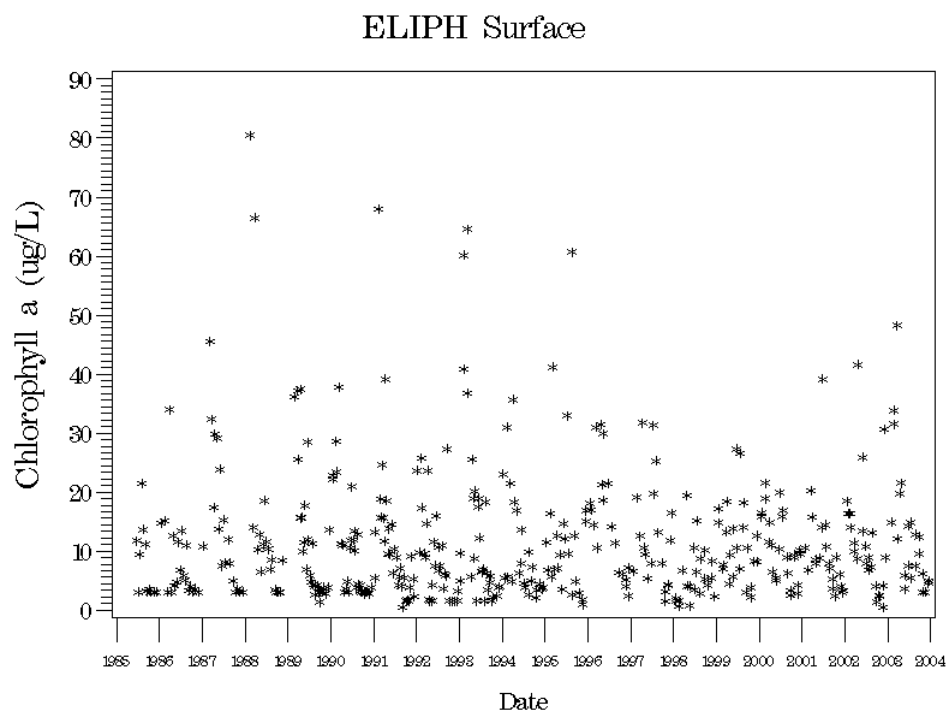


Figure 5. Scatterplot of surface chlorophyll *a* at segment ELIPH during the period 1985 to 2002.

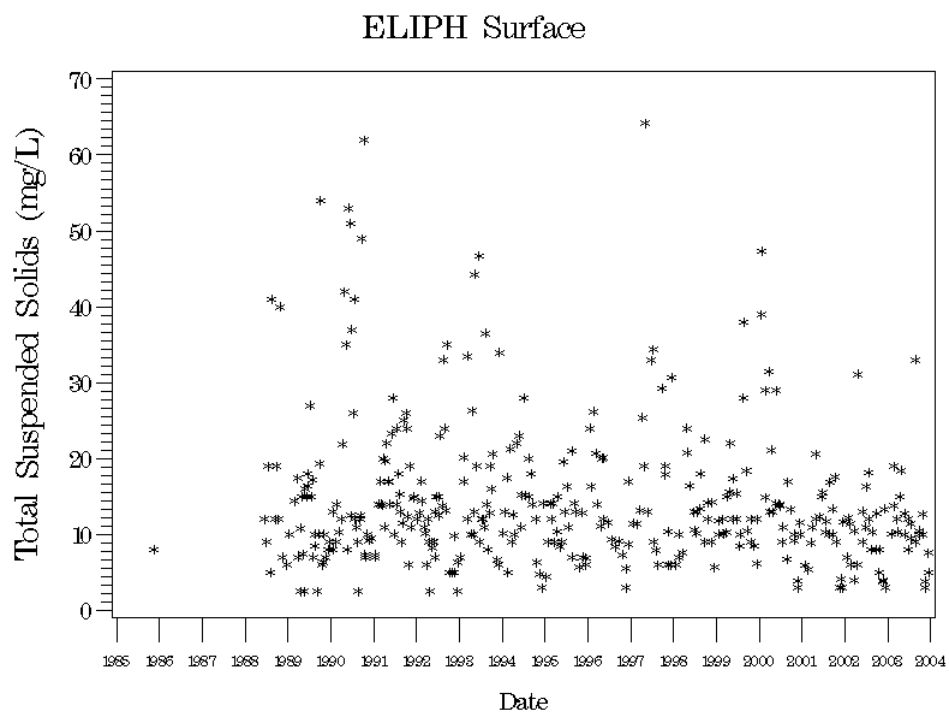


Figure 6. Scatterplot of surface total suspended solids at segment ELIPH during the period 1985 to 2002.

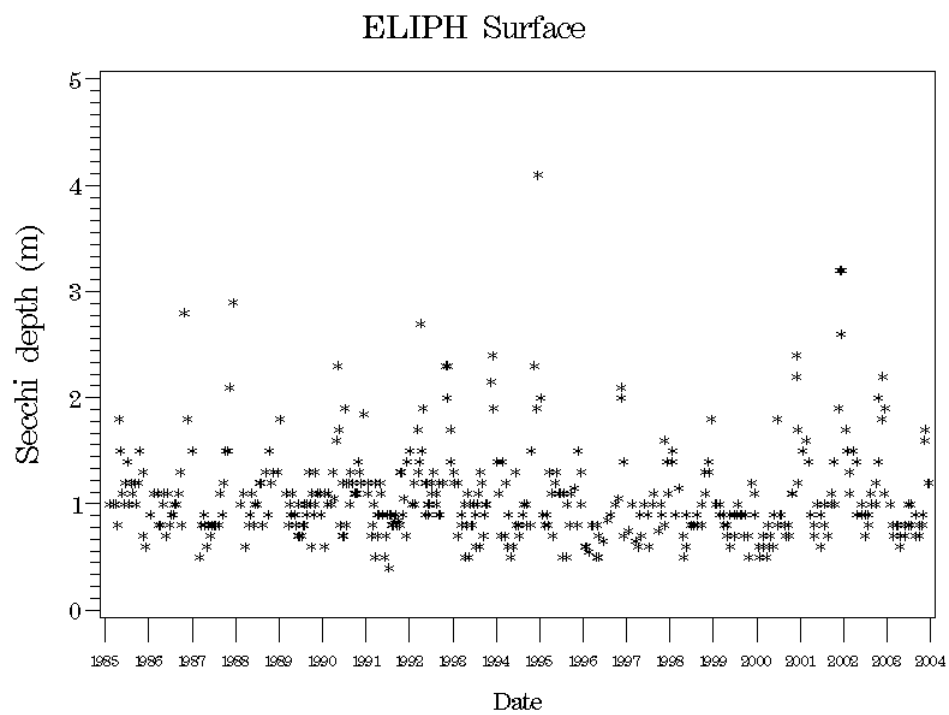


Figure 7. Scatterplot of secchi depth at segment ELIPH during the period 1985 to 2002.

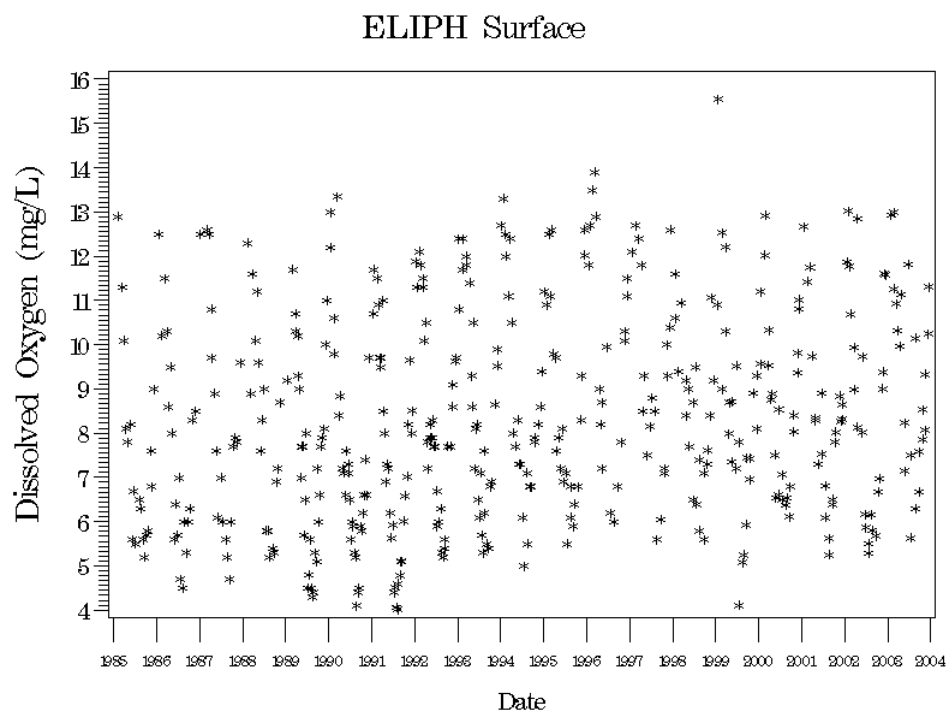


Figure 8. Scatterplot of surface dissolved oxygen at segment ELIPH during the period 1985 to 2002.

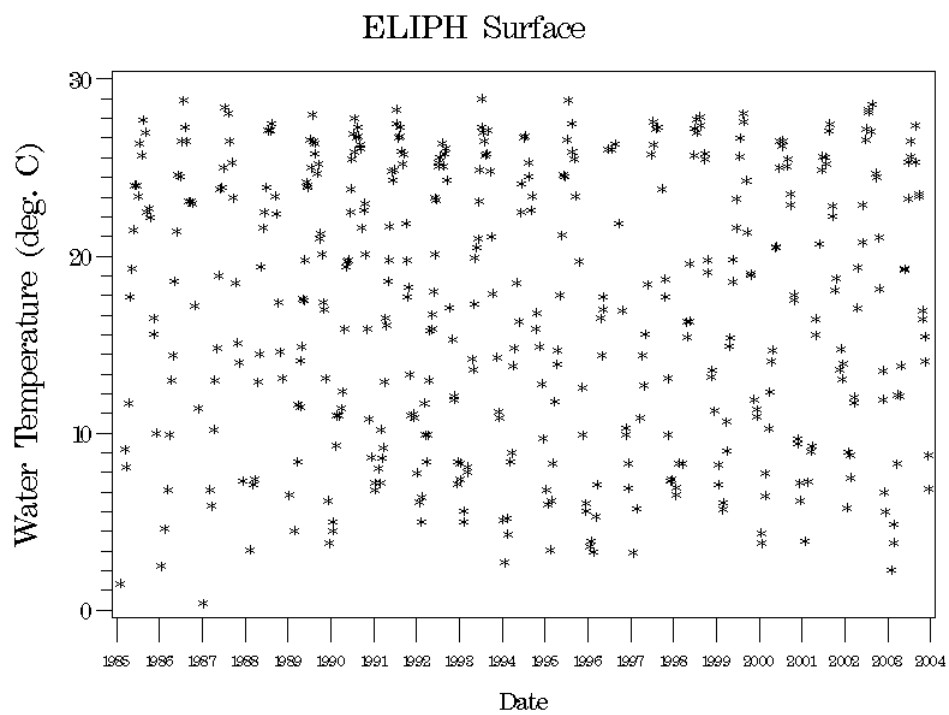


Figure 9. Scatterplot of surface water temperature at segment ELIPH during the period 1985 to 2002.

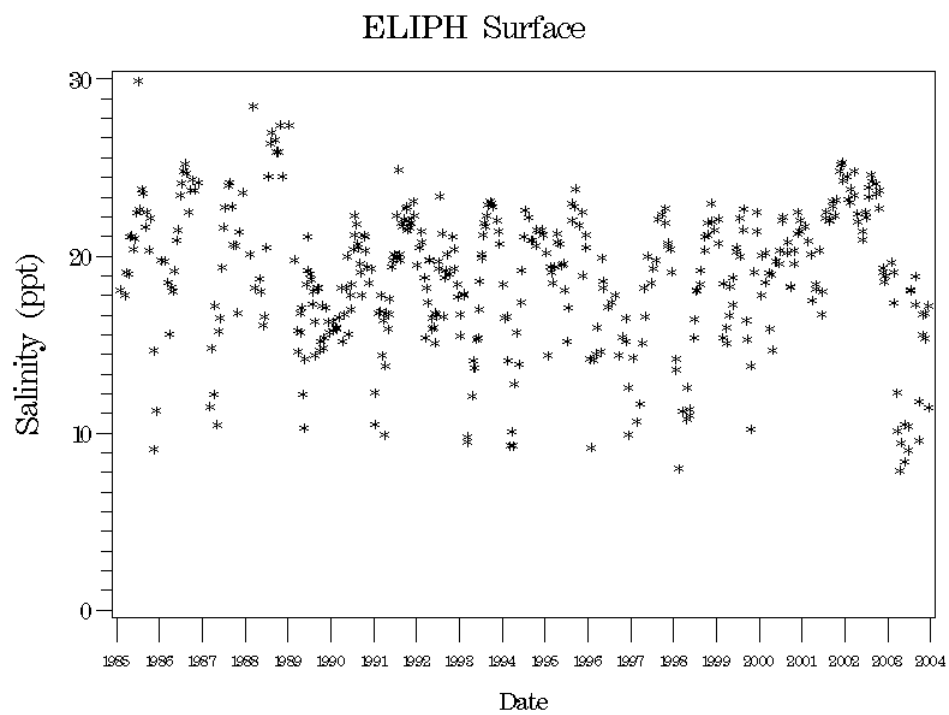
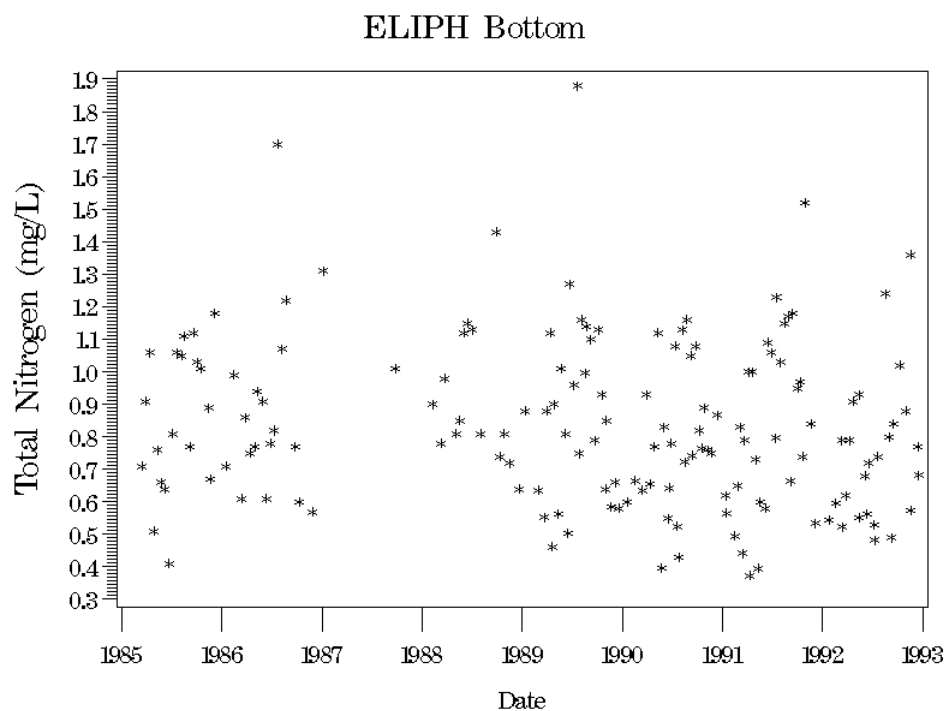


Figure 10. Scatterplot of surface salinity at segment ELIPH during the period 1985 to 2002.

a) Pre-method change period



b) Post-method change period

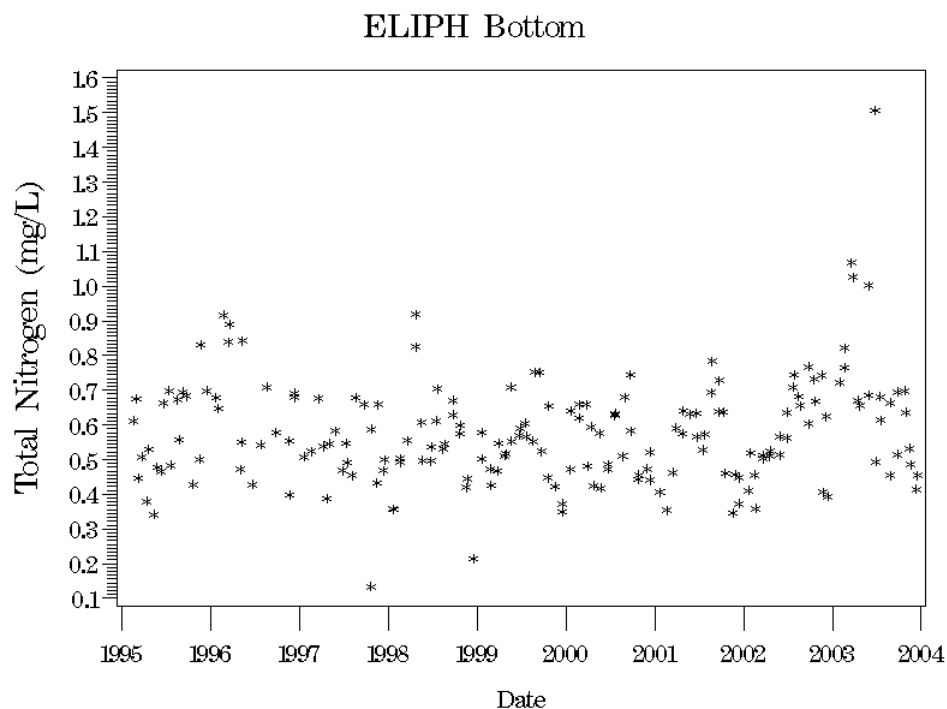
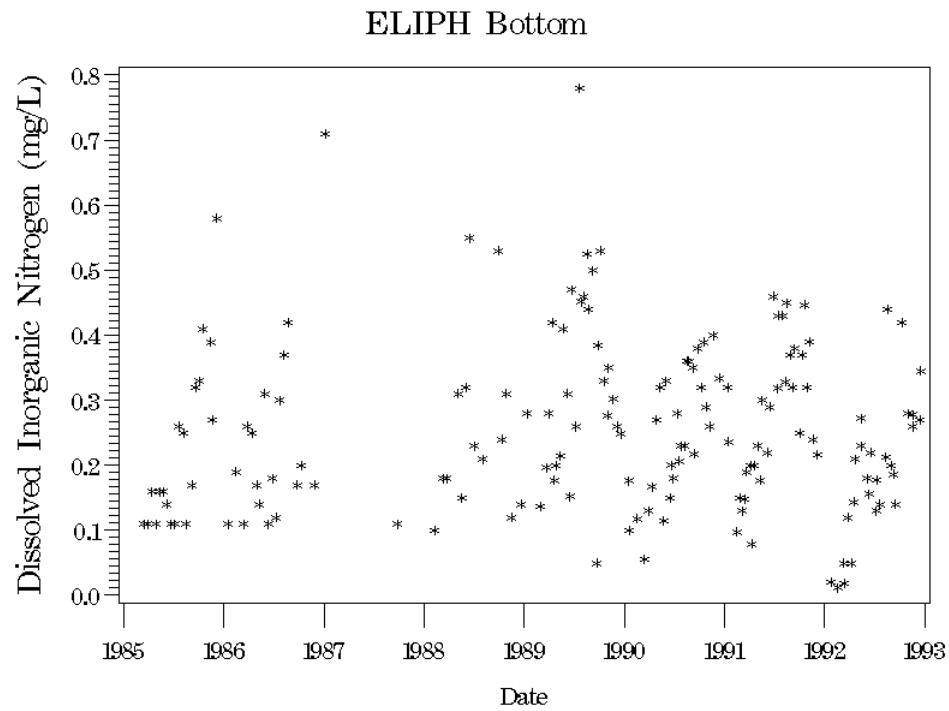


Figure 11. Scatterplots of bottom total nitrogen at segment ELIPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

a) Pre-method change period



b) Post-method change period

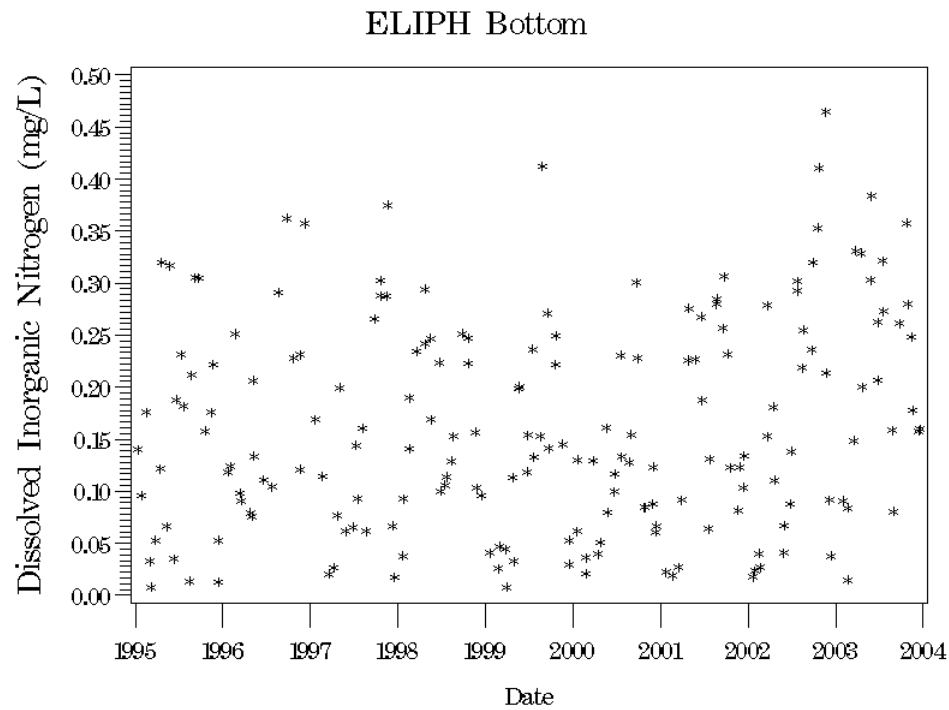
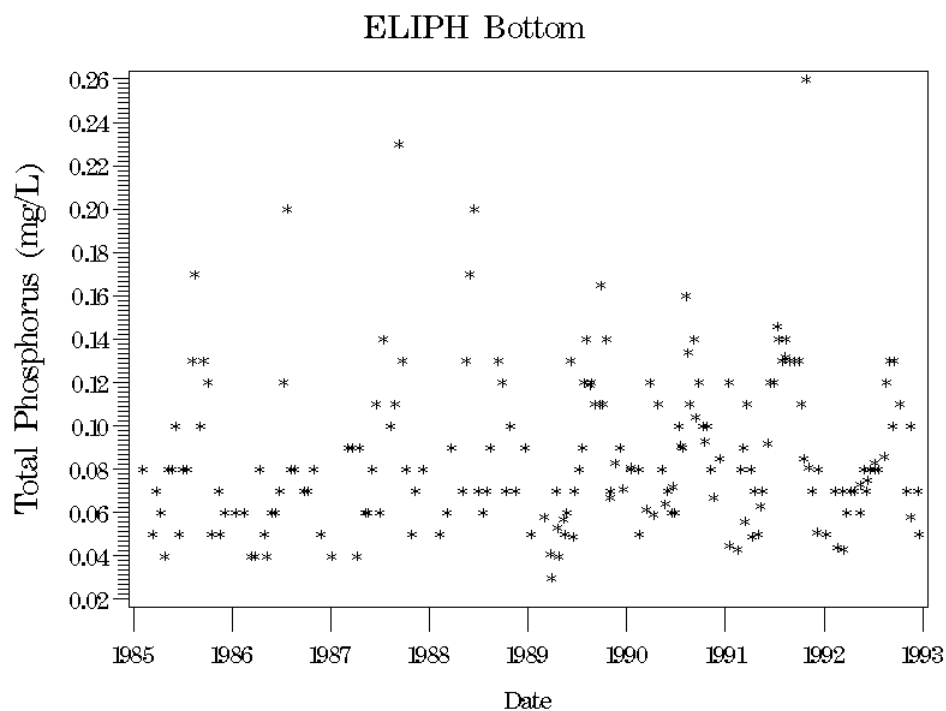


Figure 12. Scatterplots of bottom dissolved inorganic nitrogen at segment ELIPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.



a) Pre-method change period



b) Post-method change period

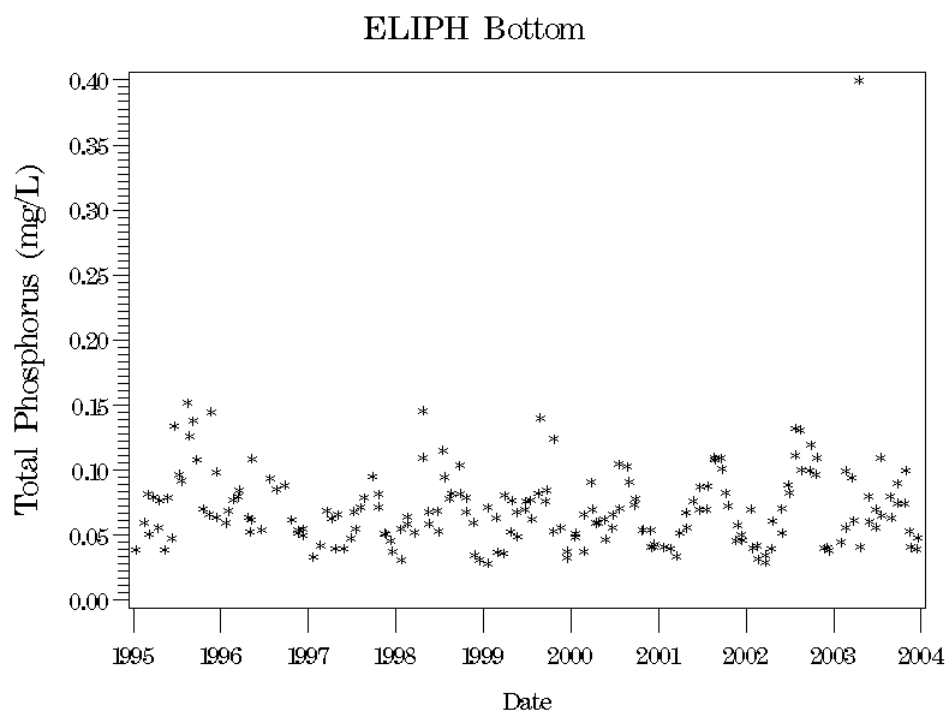
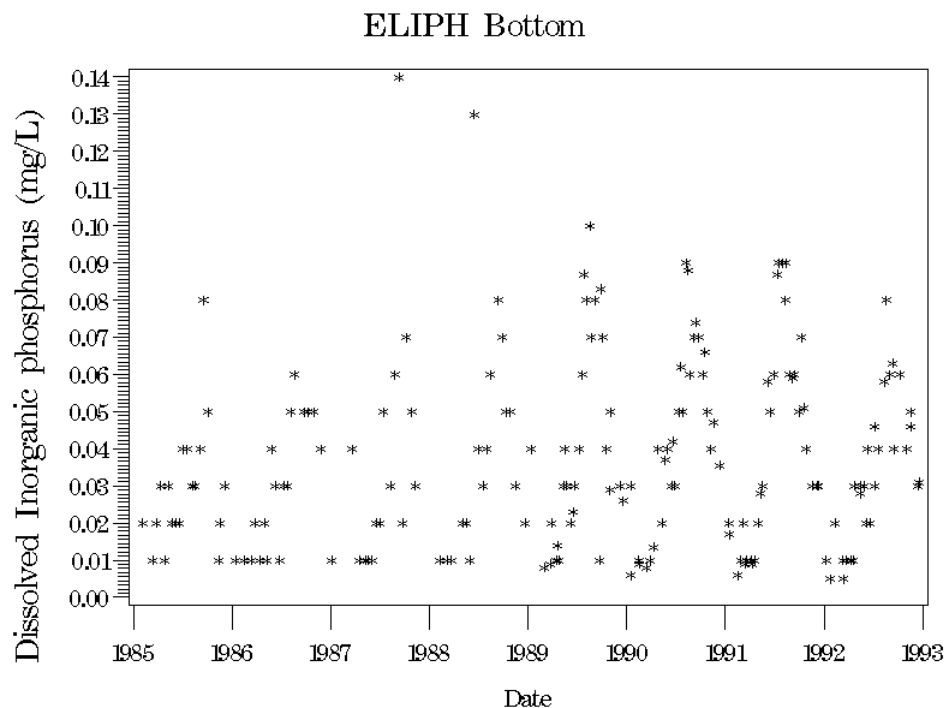


Figure 13. Scatterplots of bottom total phosphorus at segment ELIPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

a) Pre-method change period



b) Post-method change period

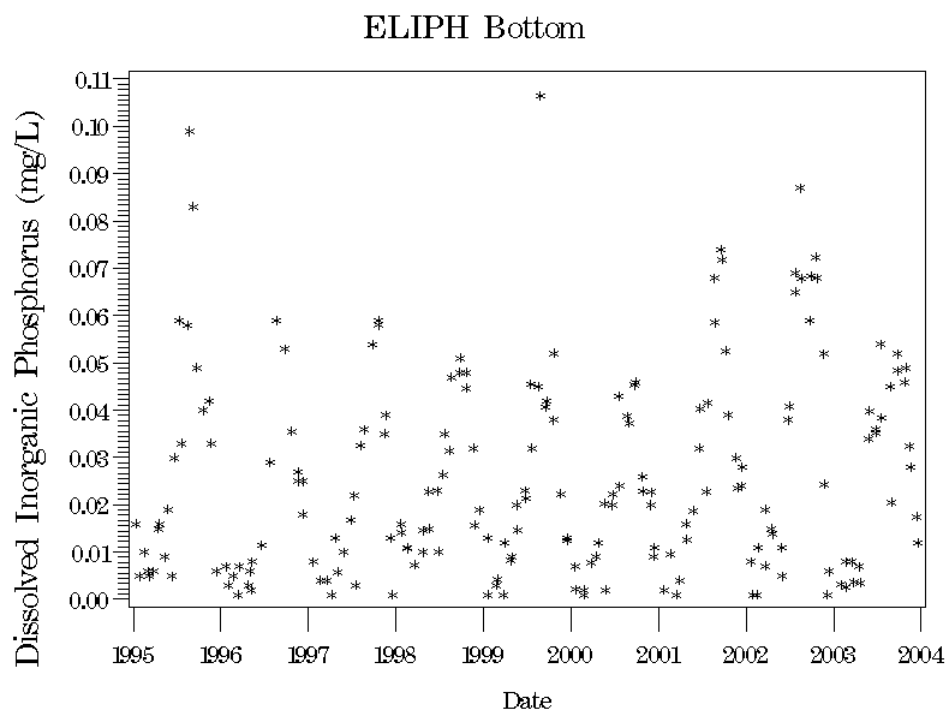


Figure 14. Scatterplots of bottom dissolved inorganic phosphorus at segment ELIPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

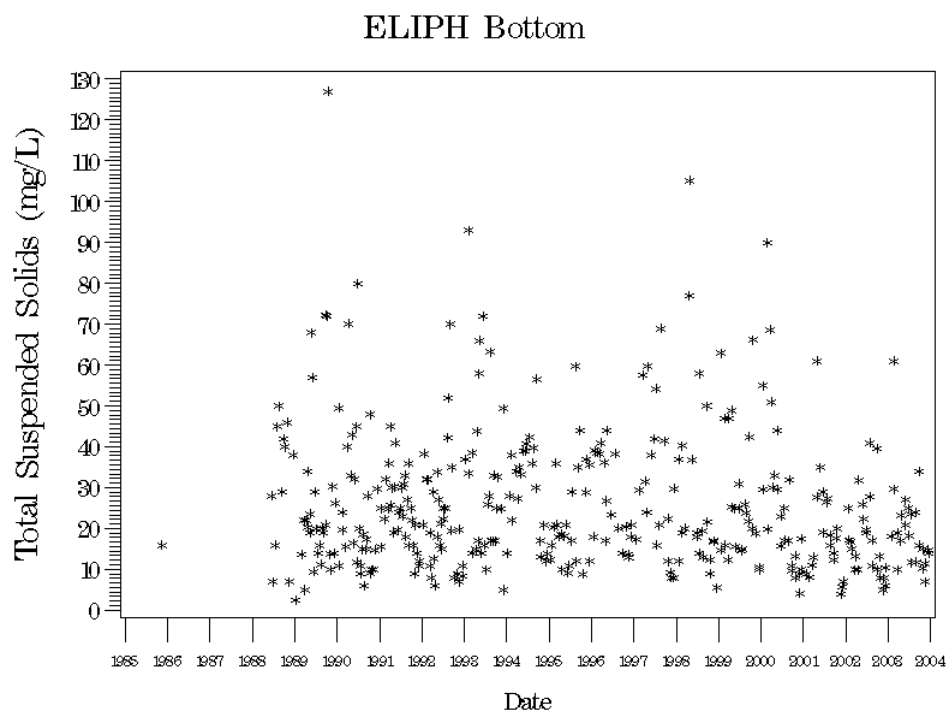


Figure 15. Scatterplot of bottom total suspended solids at segment ELIPH during the period 1985 to 2002.

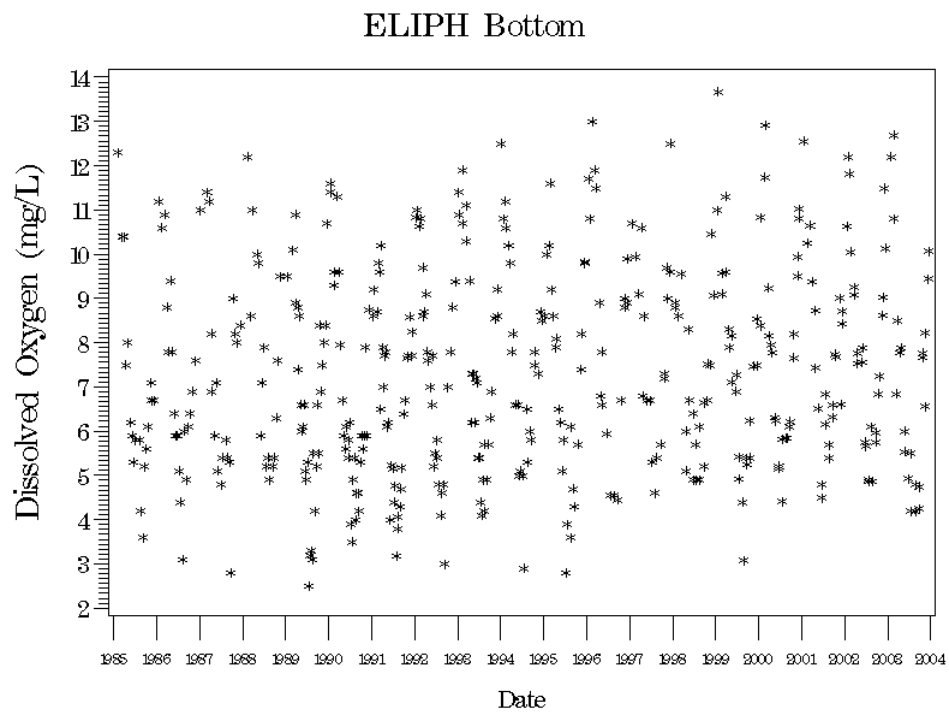


Figure 16. Scatterplot of bottom dissolved oxygen at segment ELIPH during the period 1985 to 2002.

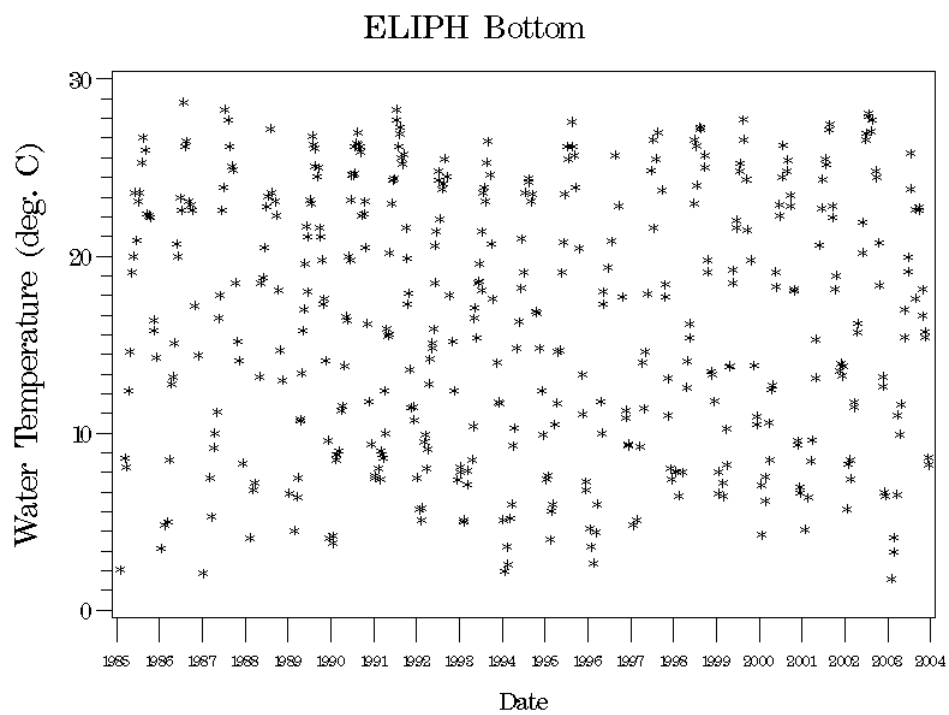


Figure 17. Scatterplot of bottom water temperature at segment ELIPH during the period 1985 to 2002.

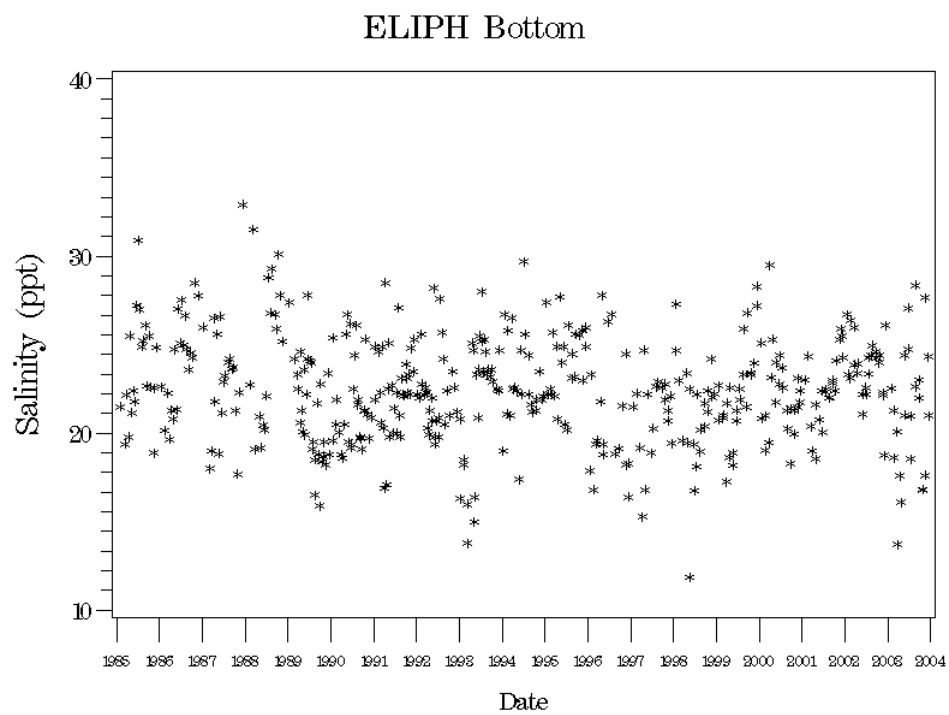


Figure 18. Scatterplot of bottom salinity at segment ELIPH during the period 1985 to 2002.

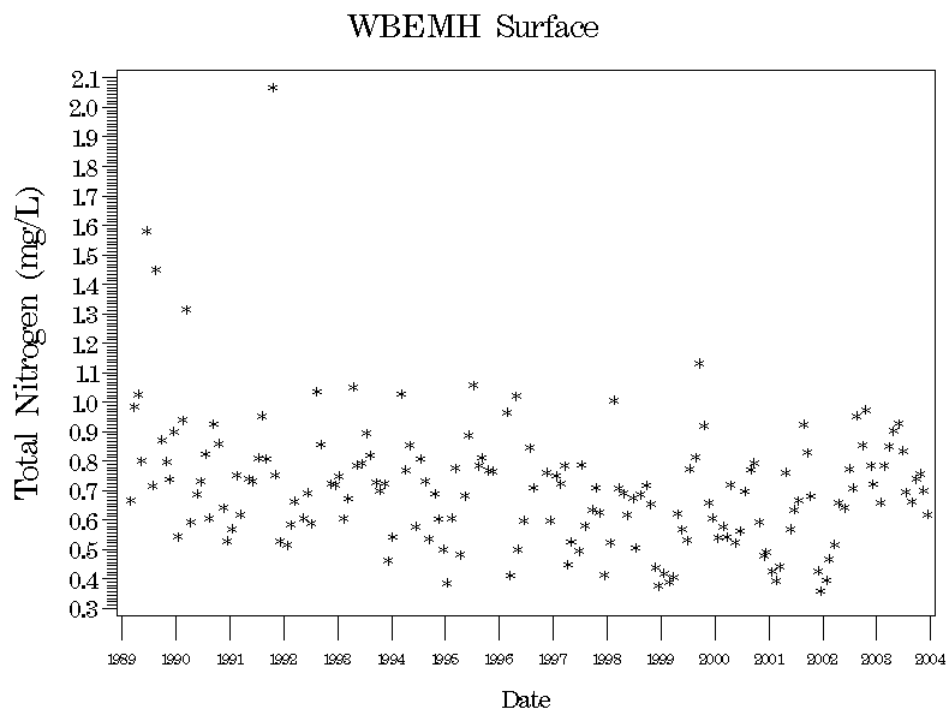


Figure 19. Scatterplots of surface total nitrogen at segment WBEMH during the period of 1989 to 2002.

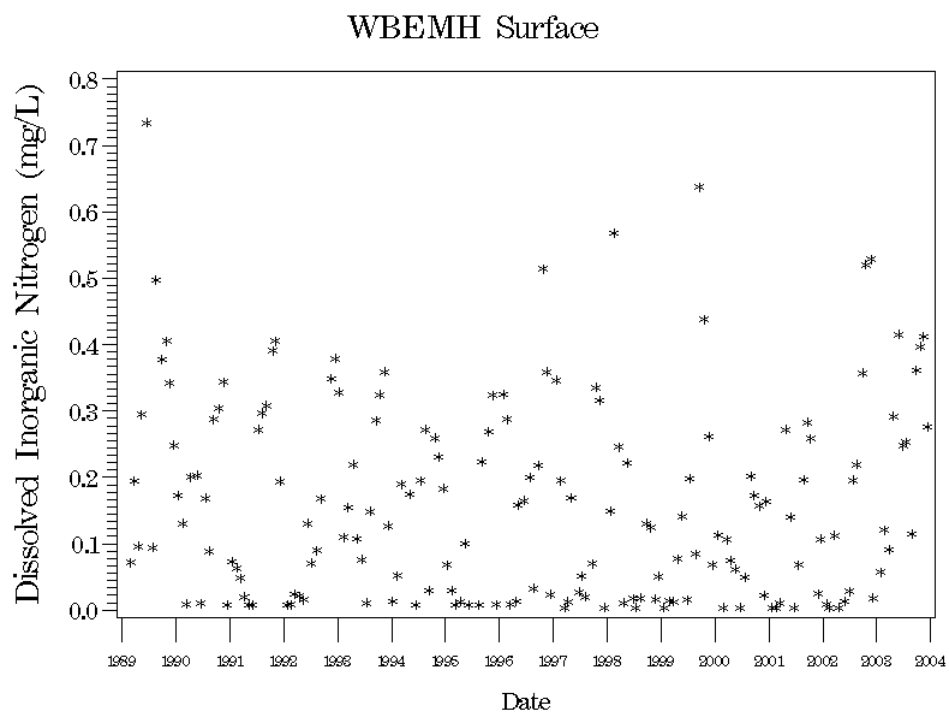


Figure 20. Scatterplots of surface dissolved inorganic nitrogen at segment WBEMH during the period of 1989 to 2002.



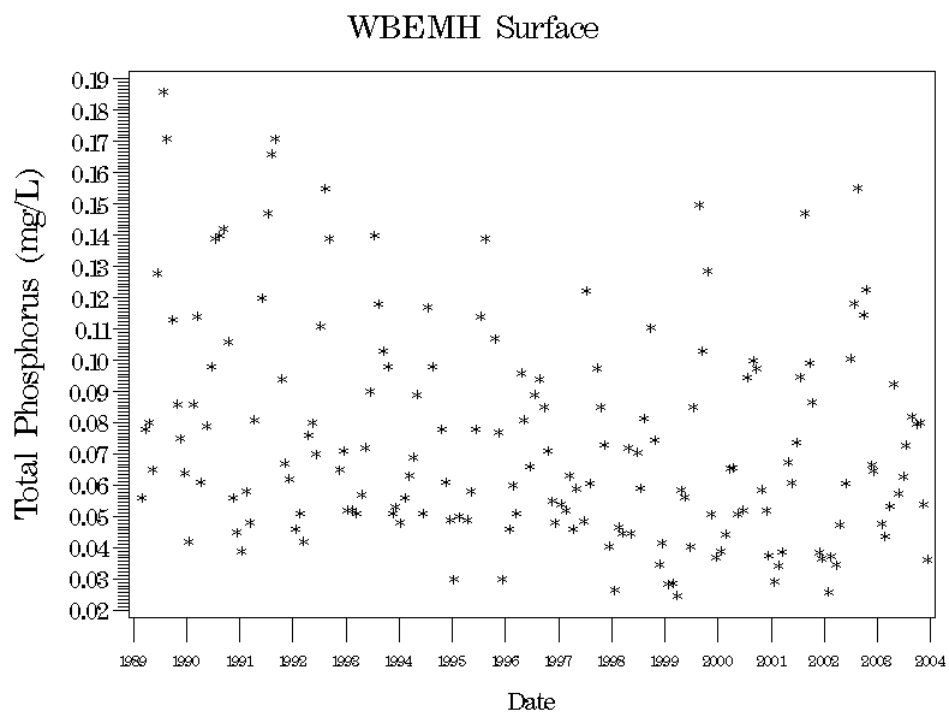


Figure 21. Scatterplots of surface total phosphorus at segment WBEMH during the period of 1989 to 2002.

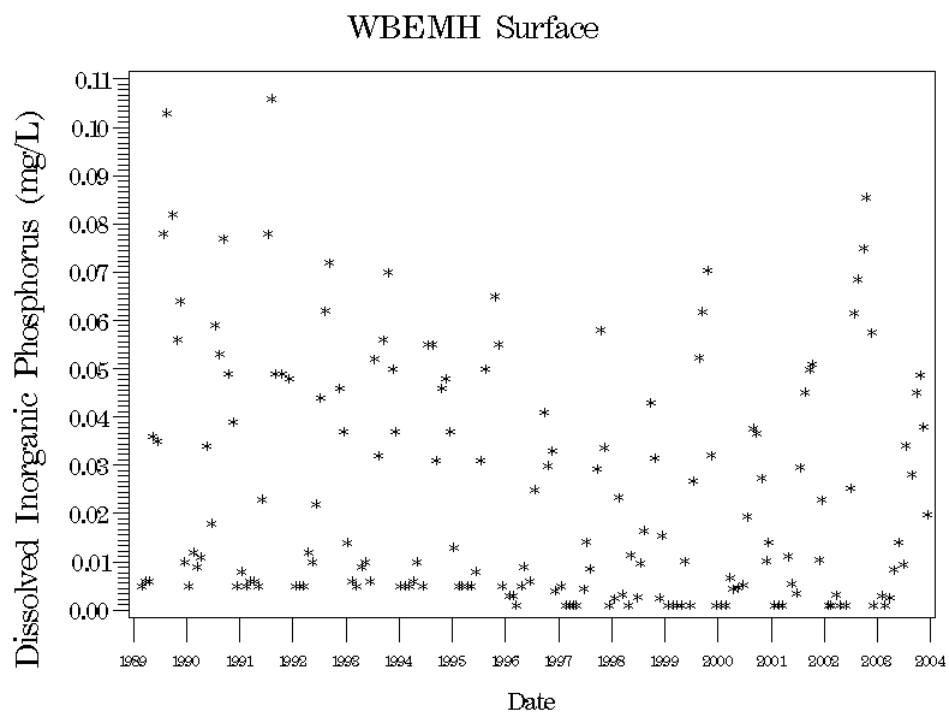


Figure 22. Scatterplots of surface dissolved inorganic phosphorus at segment WBEMH during the period of 1989 to 2002.

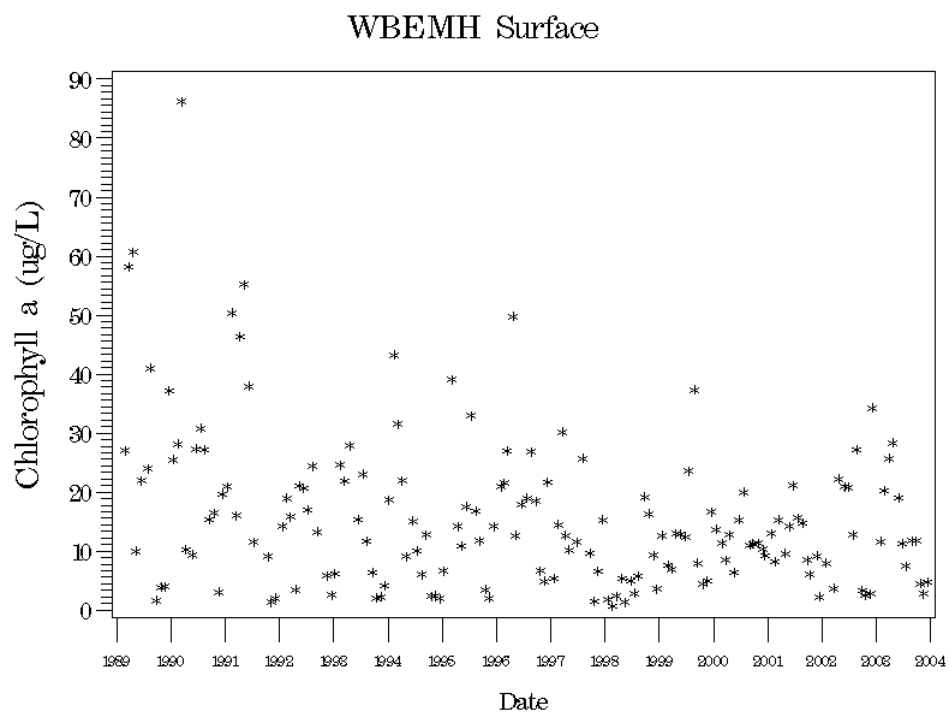


Figure 23. Scatterplot of surface chlorophyll *a* at segment WBEMH during the period 1985 to 2002.

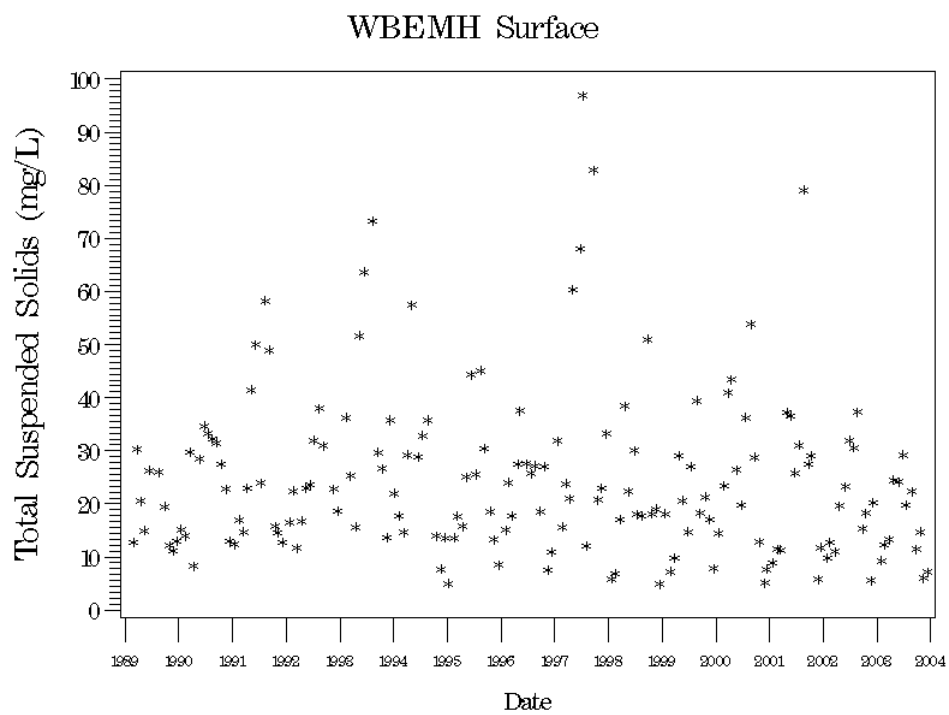


Figure 24. Scatterplot of surface total suspended solids at segment WBEMH during the period 1985 to 2002.

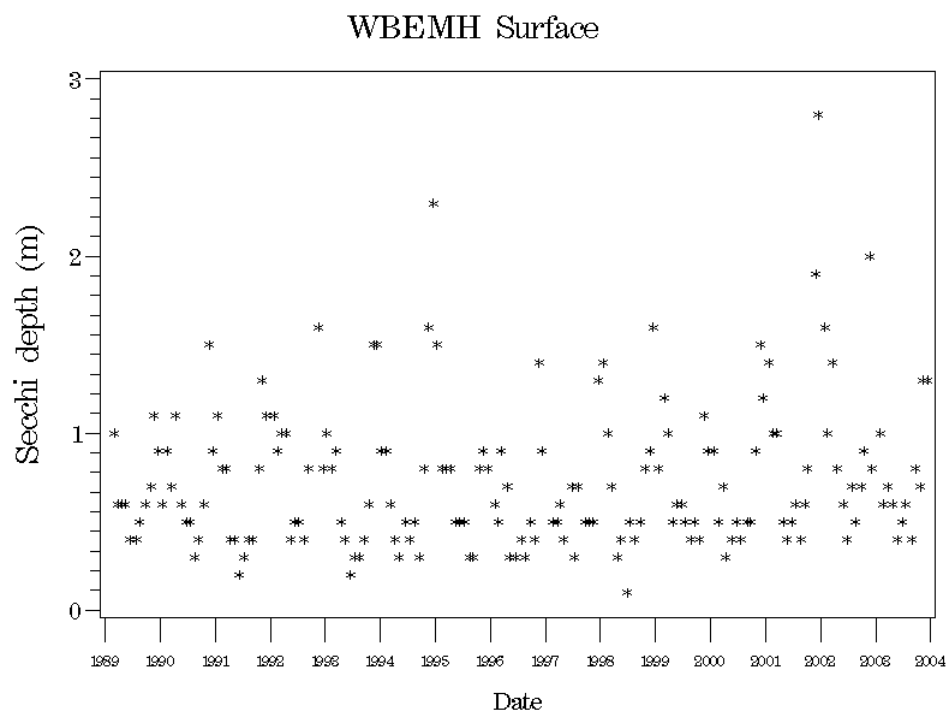


Figure 25. Scatterplot of secchi depth at segment WBEMH during the period 1989 through 2002.

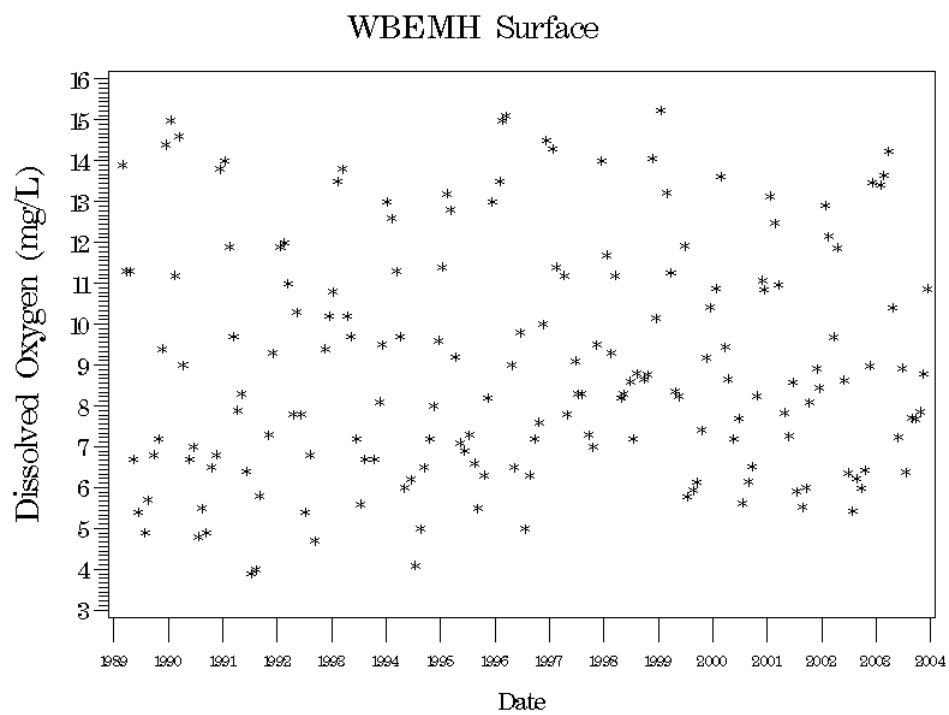


Figure 26. Scatterplot of surface dissolved oxygen at segment WBEMH during the period 1985 to 2002.

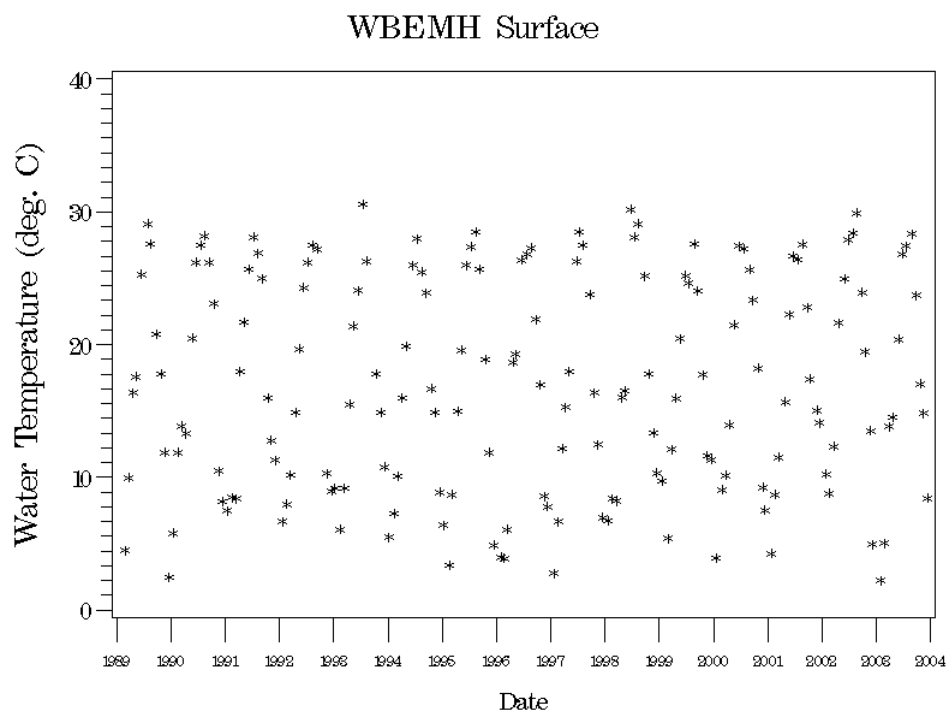


Figure 27. Scatterplot of surface water temperature at segment WBEMH during the period 1985 to 2002.

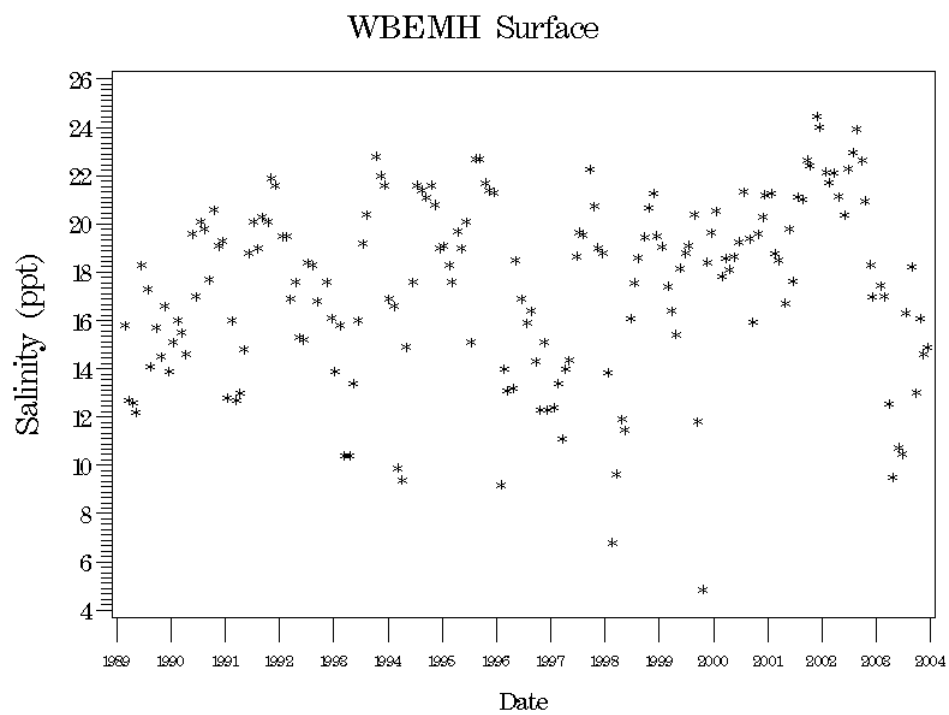


Figure 28. Scatterplot of surface salinity at segment WBEMH during the period 1985 to 2002.



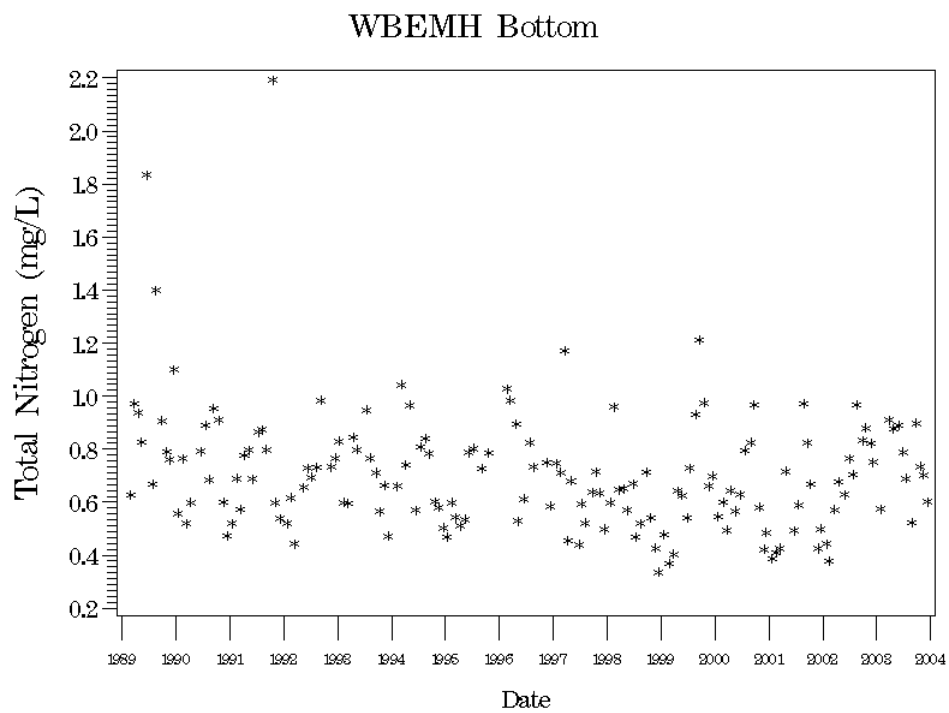


Figure 29. Scatterplots of bottom total nitrogen at segment WBEMH during the period of 1989 to 2002.

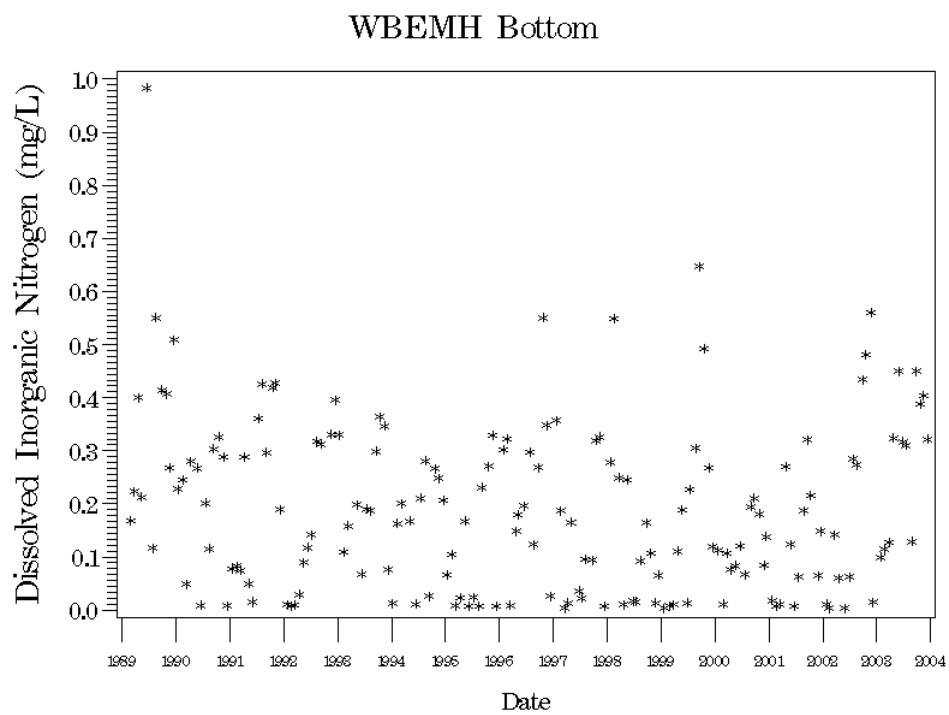


Figure 30. Scatterplots of bottom dissolved inorganic nitrogen at segment WBEMH during the period of 1989 to 2002.

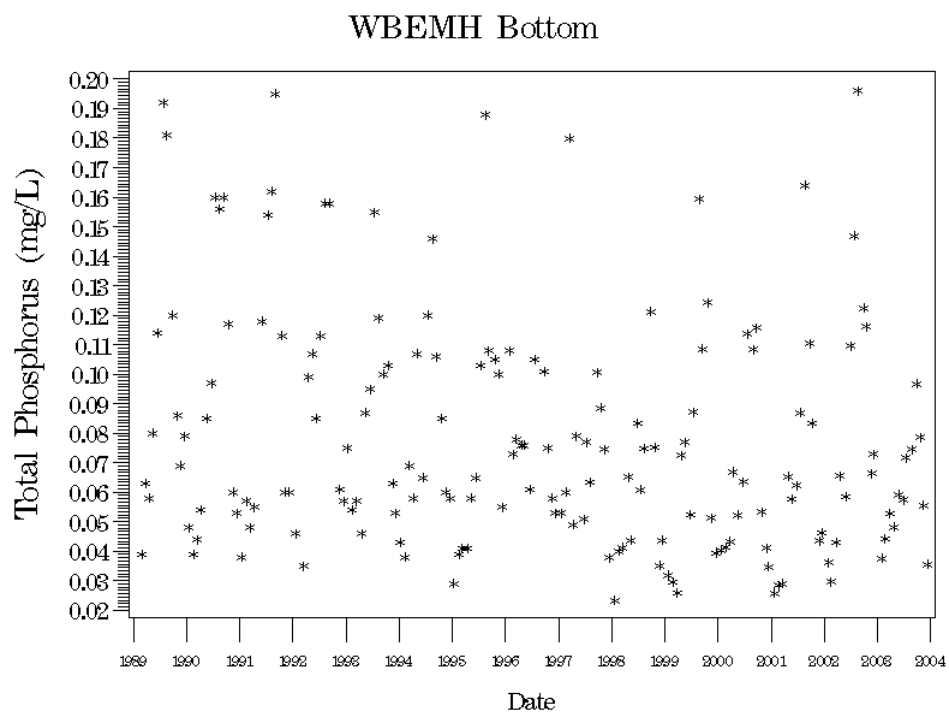


Figure 31. Scatterplots of bottom total phosphorus at segment WBEMH during the period of 1989 to 2002.

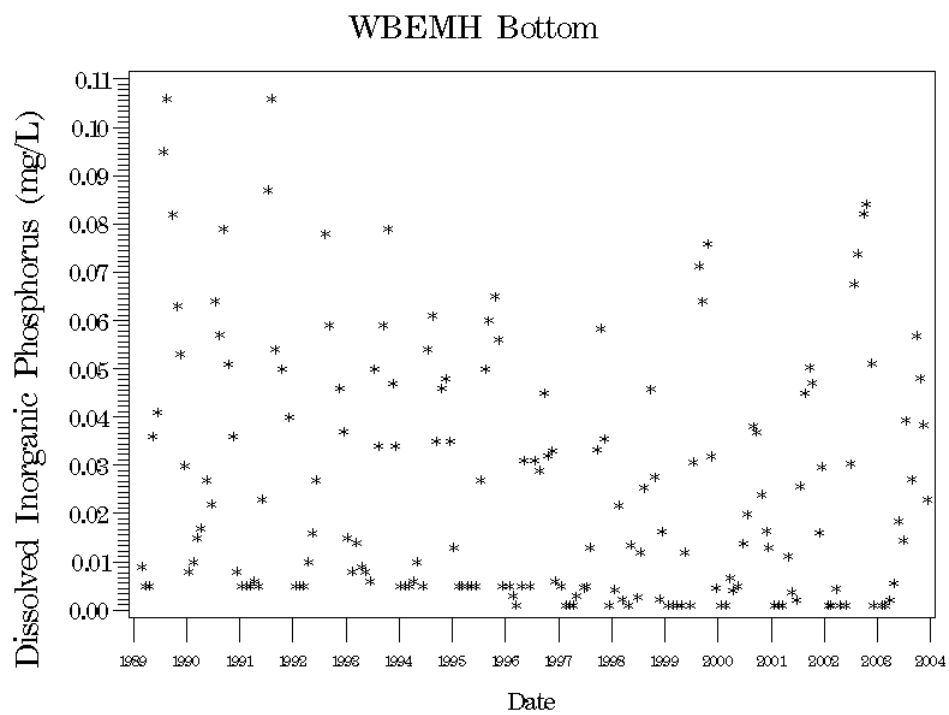


Figure 32. Scatterplots of bottom dissolved inorganic phosphorus at segment WBEMH during the period of 1989 to 2002.

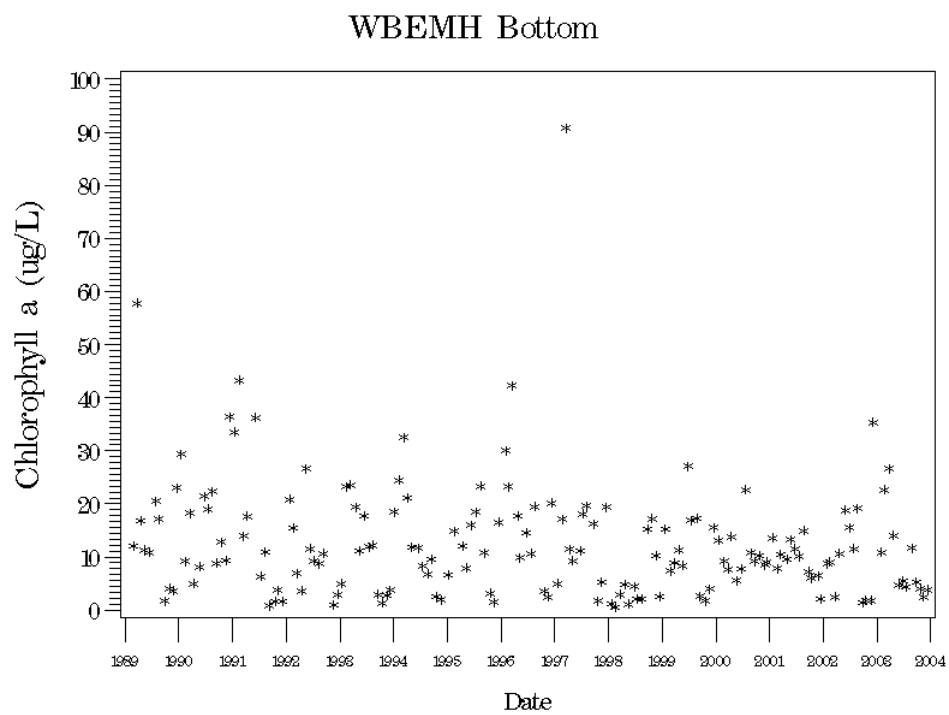


Figure 33. Scatterplot of bottom chlorophyll *a* at segment WBEMH during the period 1985 to 2002.

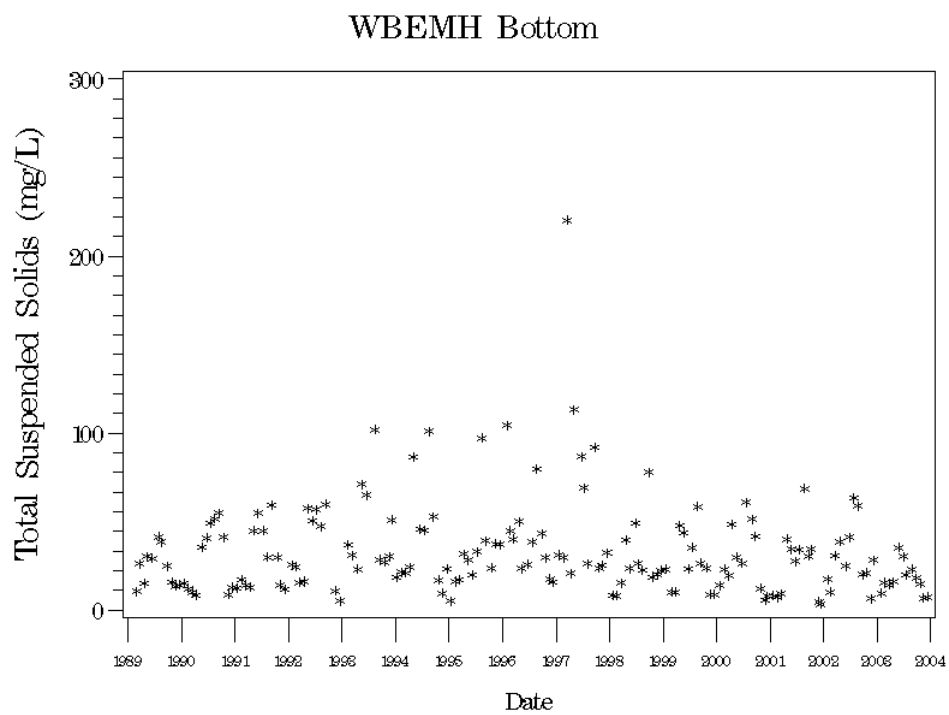


Figure 34. Scatterplot of bottom total suspended solids at segment WBEMH during the period 1985 to 2002.

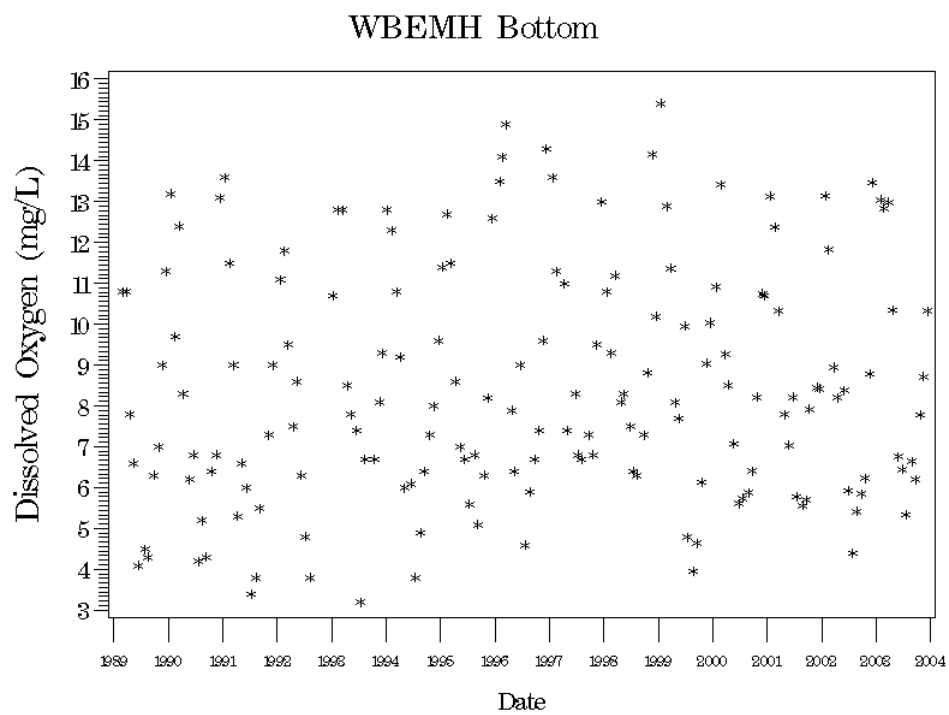


Figure 35. Scatterplot of bottom dissolved oxygen at segment WBEMH during the period 1985 to 2002.

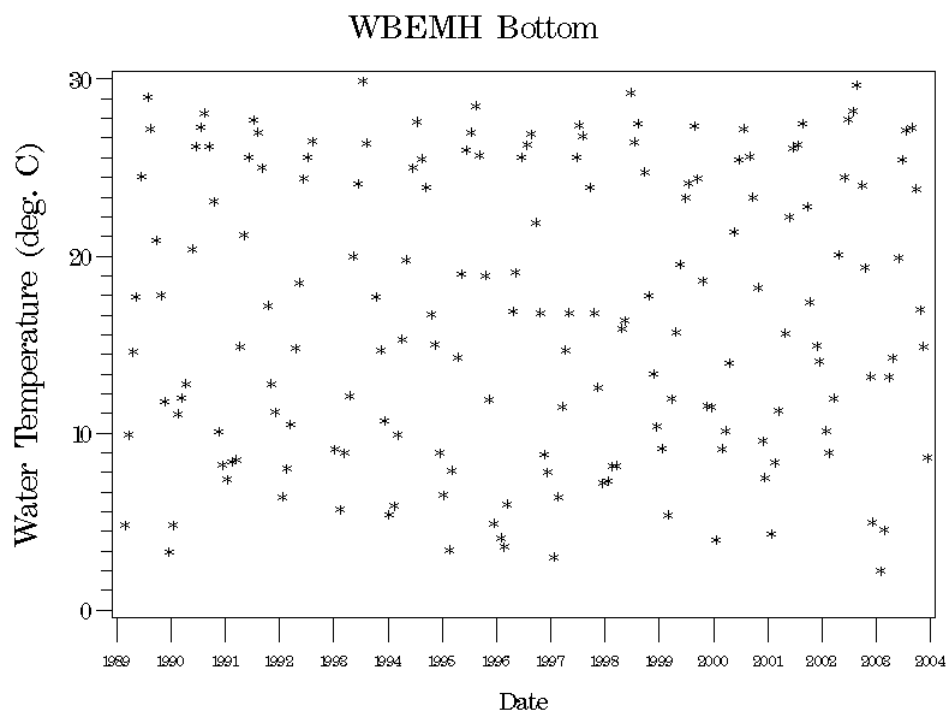


Figure 36. Scatterplot of bottom water temperature at segment WBEMH during the period 1985 to 2002.



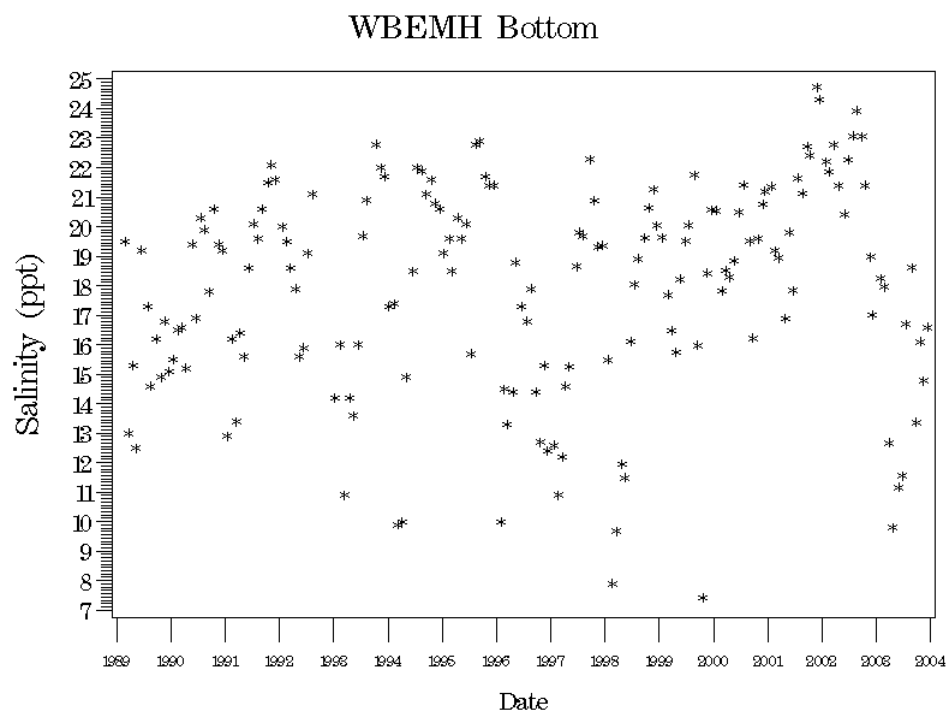


Figure 37. Scatterplot of bottom salinity at segment WBEMH during the period 1985 to 2002.

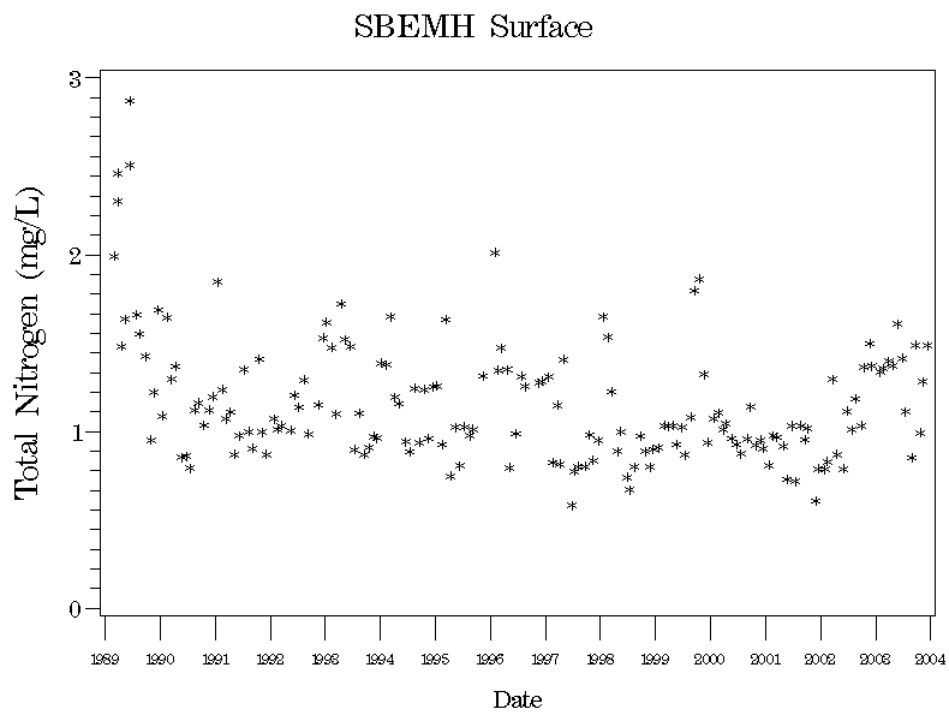


Figure 38. Scatterplots of surface total nitrogen at segment SBEMH during the period of 1989 to 2002.

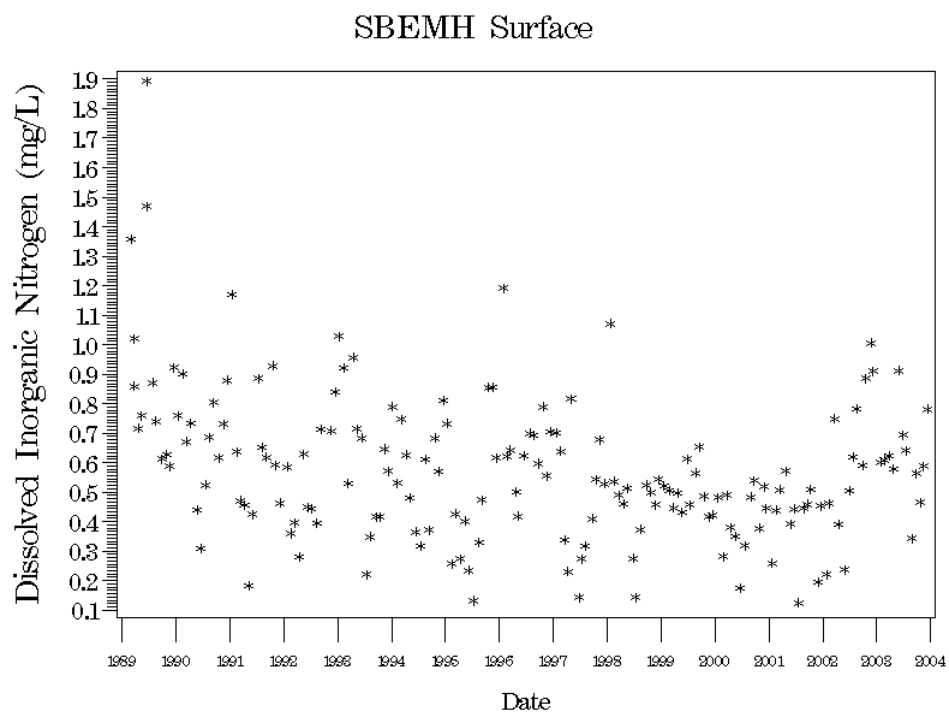


Figure 39. Scatterplots of surface dissolved inorganic nitrogen at segment SBEMH during the period of 1989 to 2002.

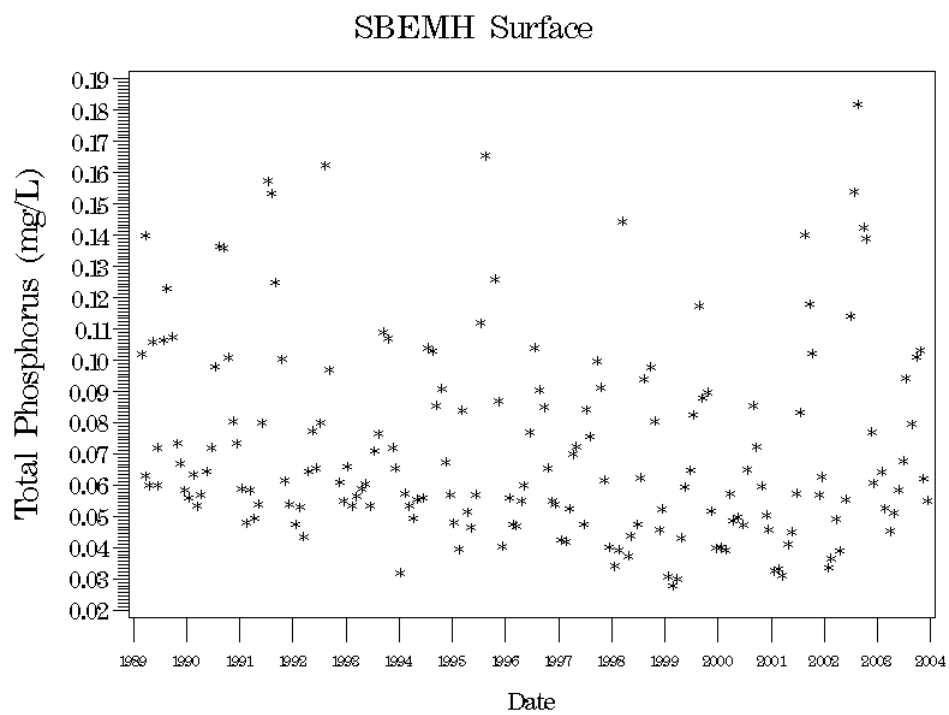


Figure 40. Scatterplots of surface total phosphorus at segment SBEMH during the period of 1989 to 2002.

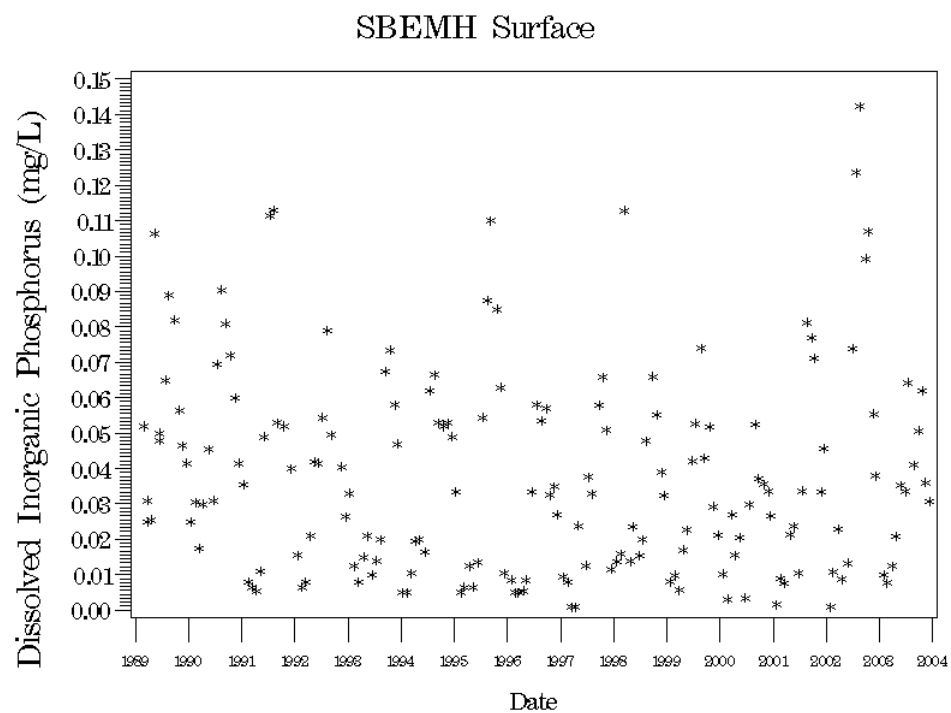


Figure 41. Scatterplots of surface dissolved inorganic phosphorus at segment SBEMH during the period of 1989 to 2002.

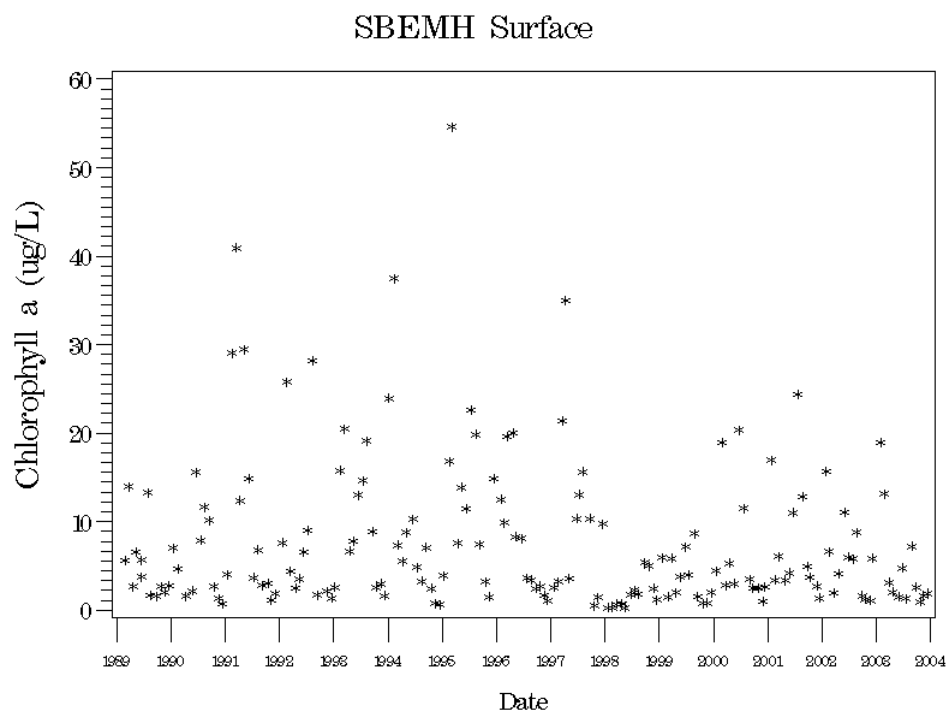


Figure 42. Scatterplot of surface chlorophyll *a* at segment SBEMH during the period 1985 to 2002.

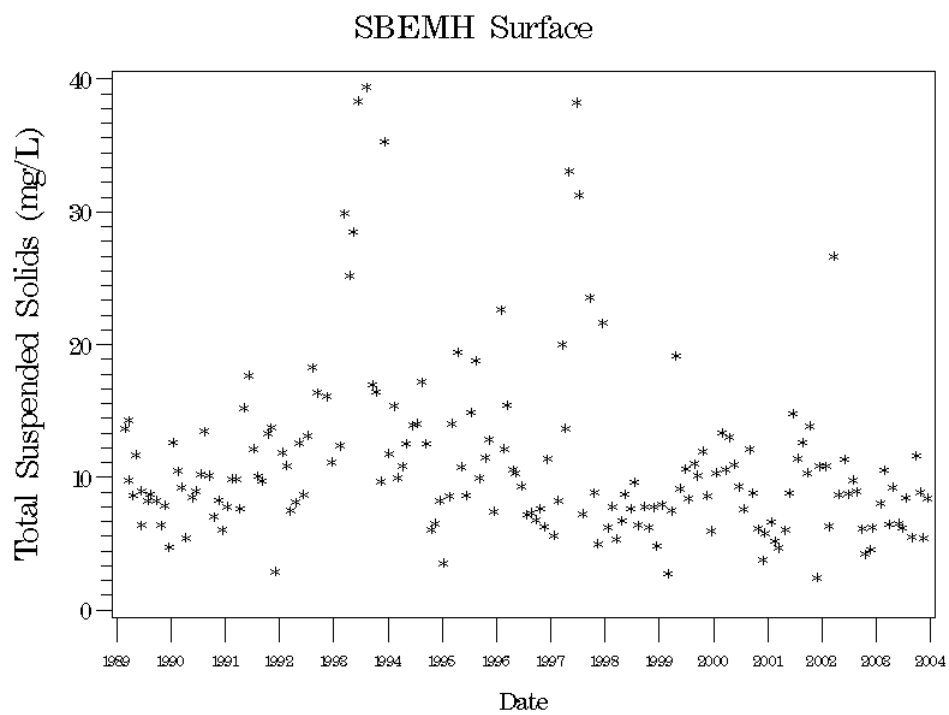


Figure 43. Scatterplot of surface total suspended solids at segment SBEMH during the period 1985 to 2002.

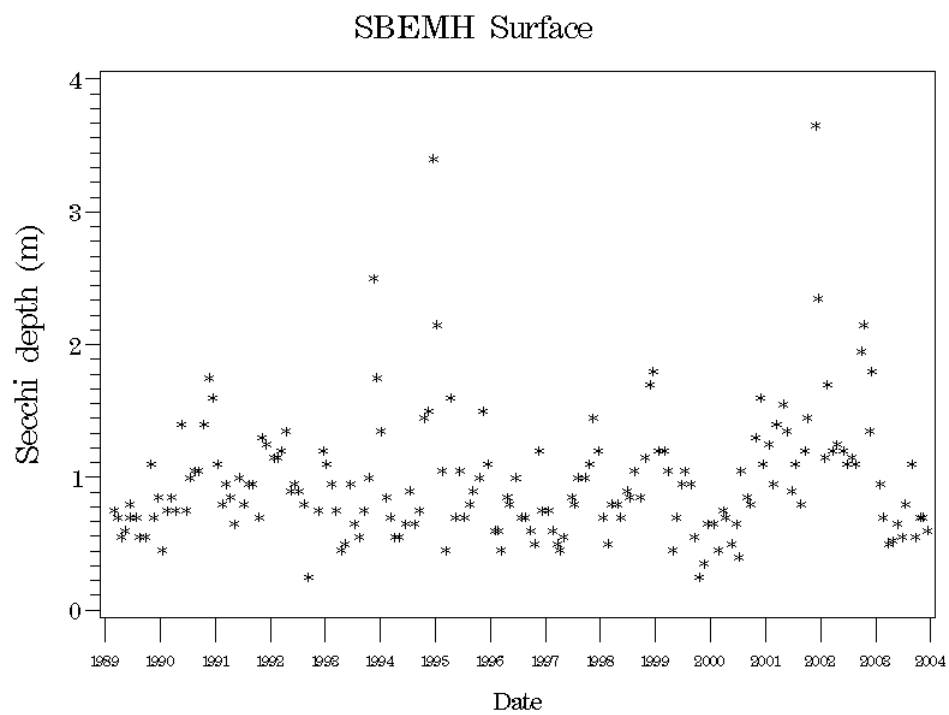


Figure 44. Scatterplot of secchi depth at segment SBEMH during the period 1989 through 2002.



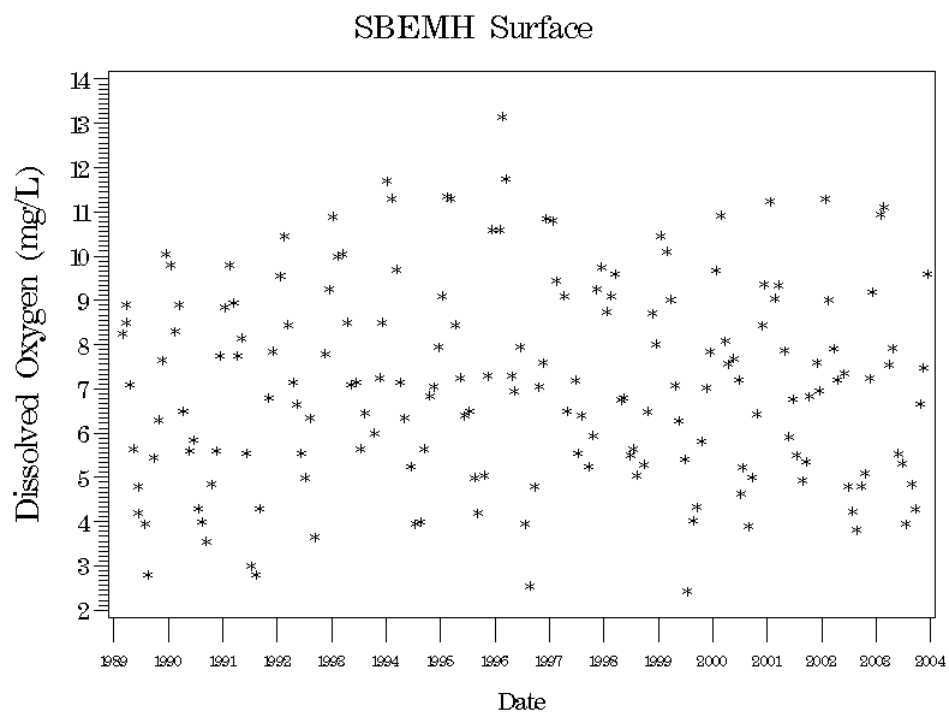


Figure 45. Scatterplot of surface dissolved oxygen at segment SBEMH during the period 1985 to 2002.

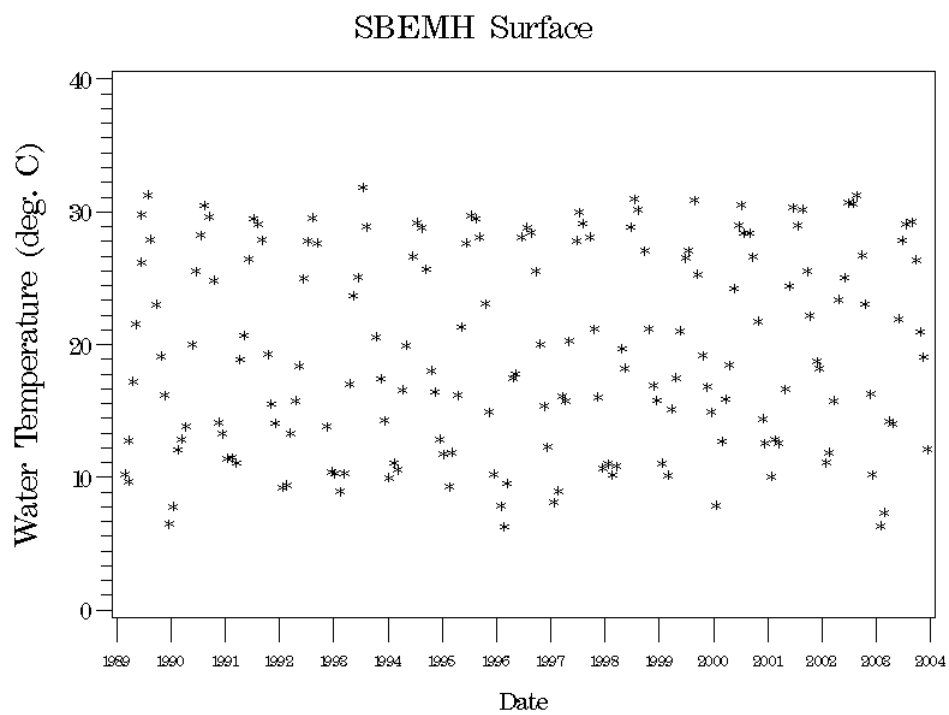


Figure 46. Scatterplot of surface water temperature at segment SBEMH during the period 1985 to 2002.

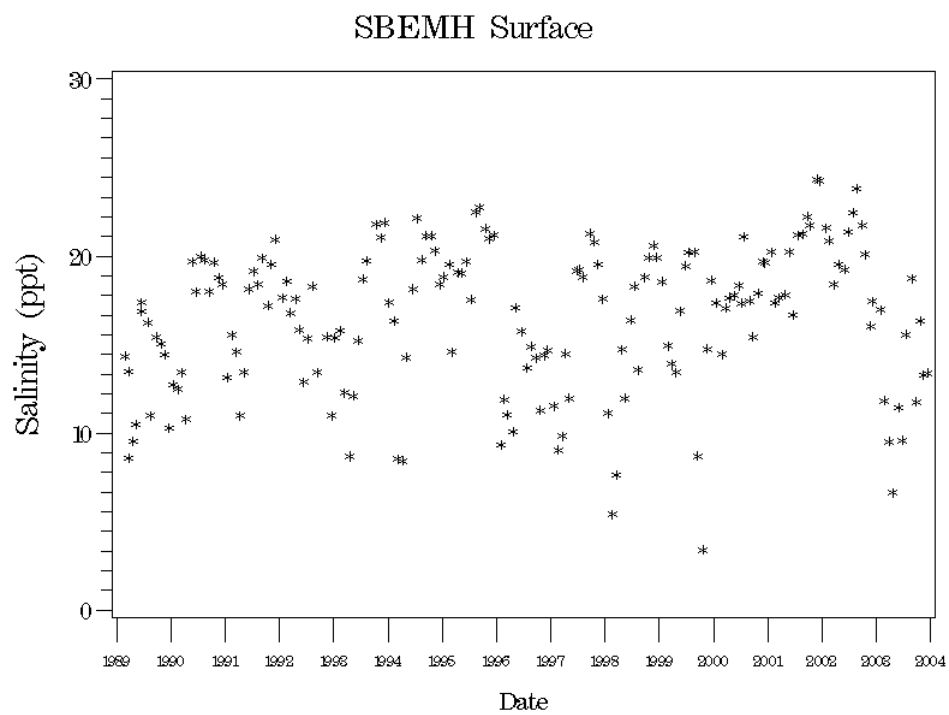


Figure 47. Scatterplot of surface salinity at segment SBEMH during the period 1985 to 2002.

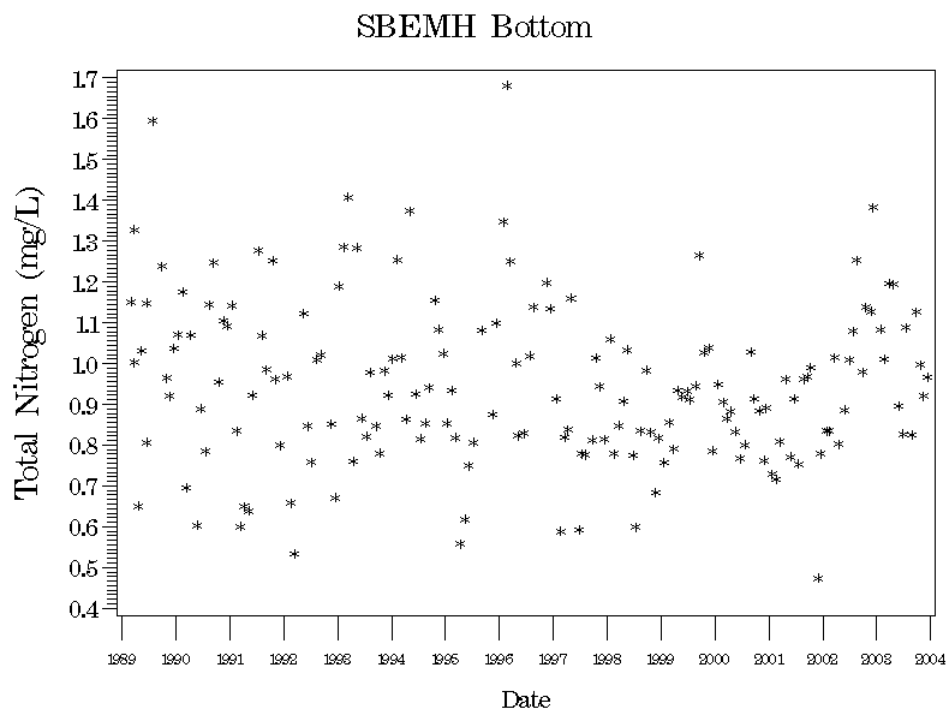


Figure 48. Scatterplots of bottom total nitrogen at segment SBEMH during the period of 1989 to 2002.

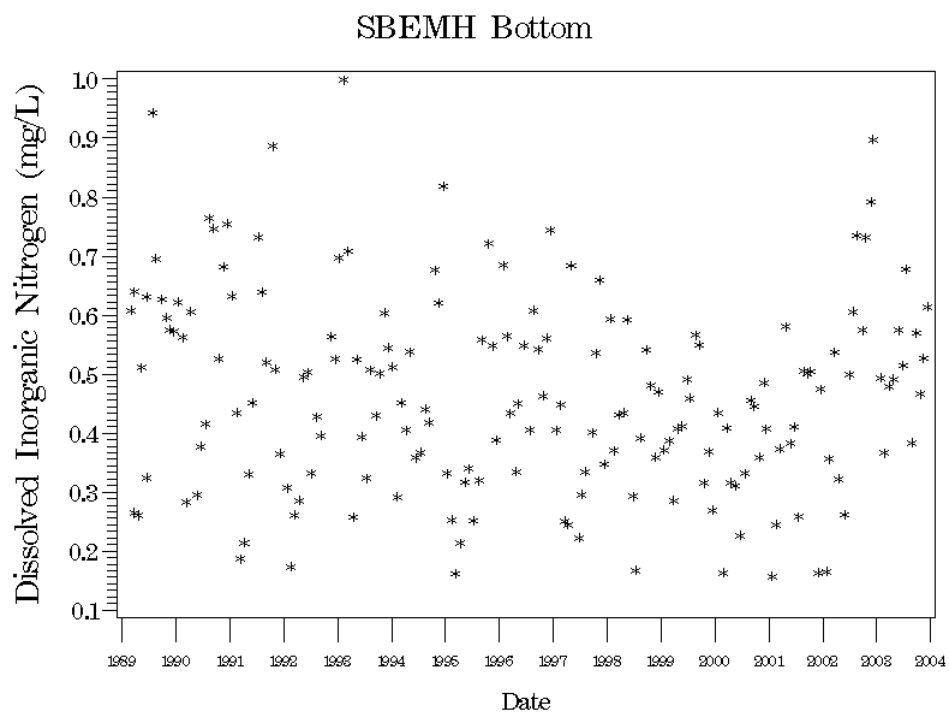


Figure 49. Scatterplots of bottom dissolved inorganic nitrogen at segment SBEMH during the period of 1989 to 2002.

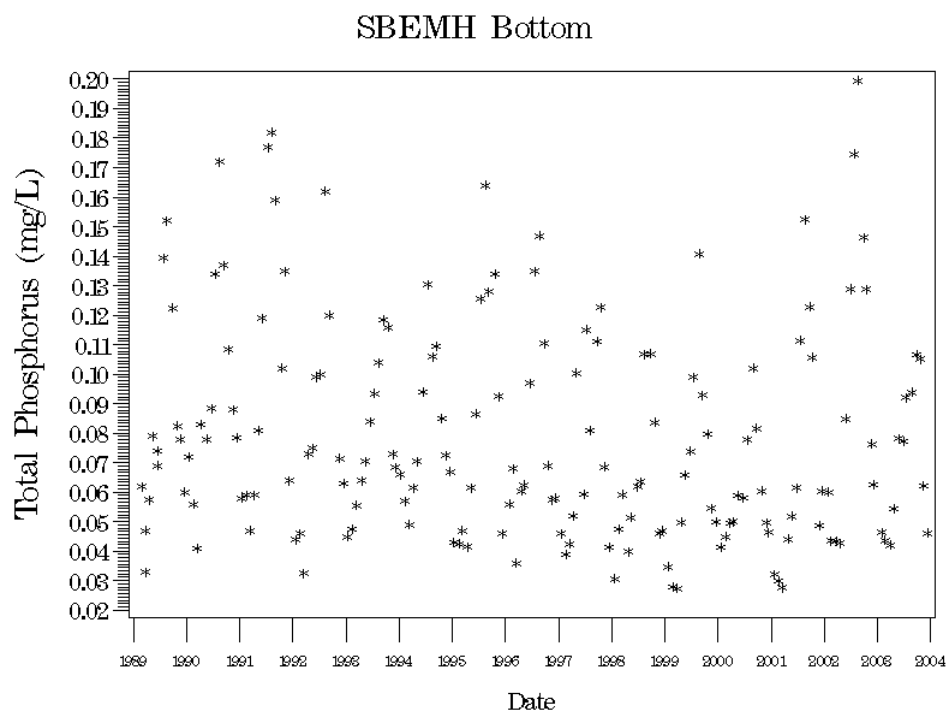


Figure 50. Scatterplots of bottom total phosphorus at segment SBEMH during the period of 1989 to 2002.

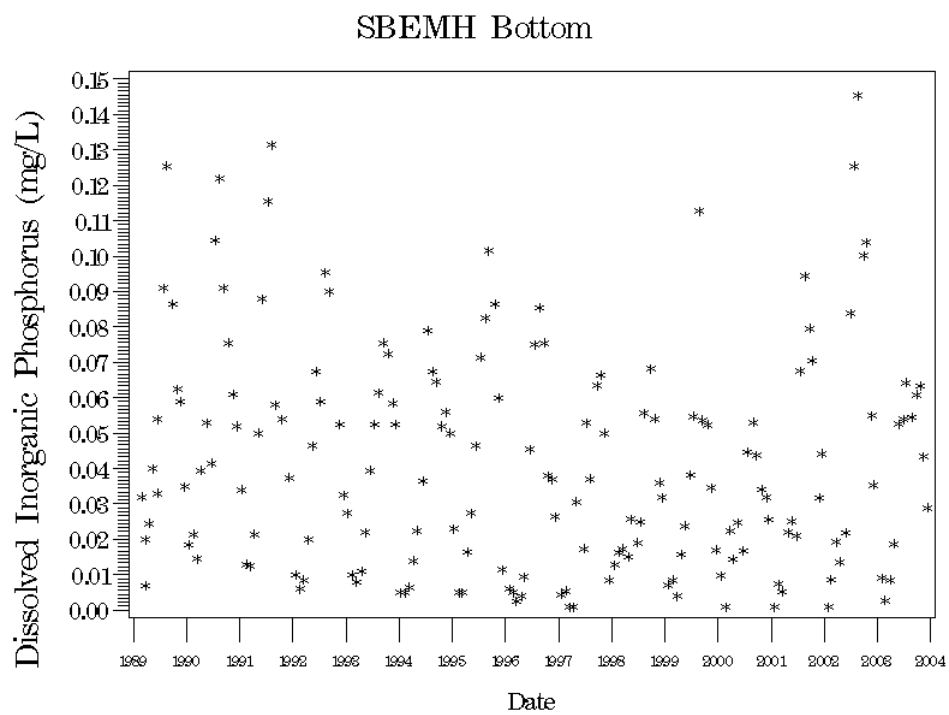


Figure 51. Scatterplots of bottom dissolved inorganic phosphorus at segment SBEMH during the period of 1989 to 2002.

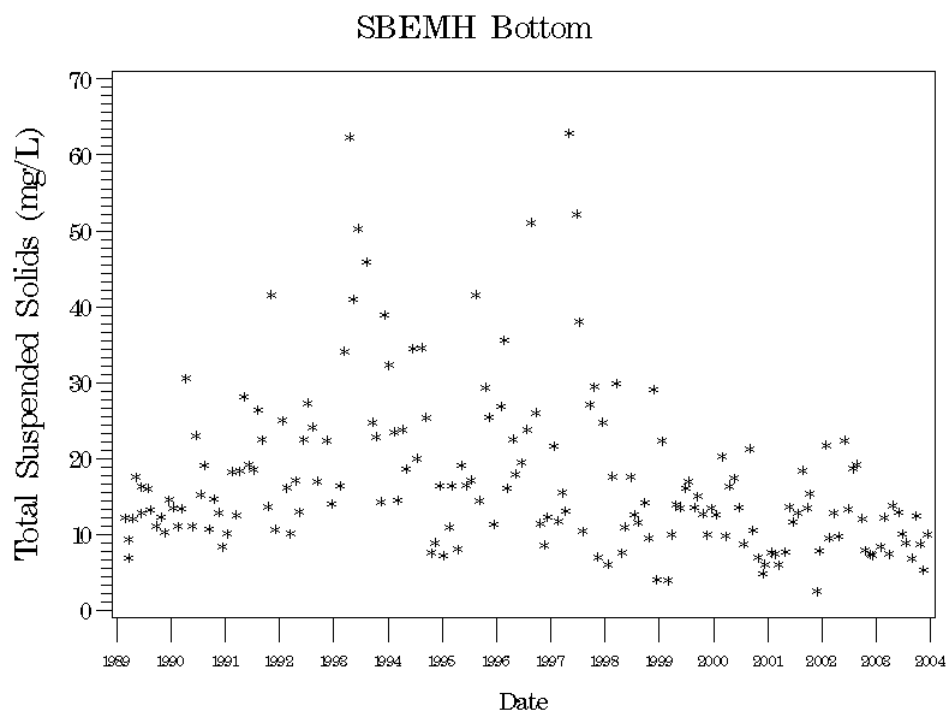


Figure 52. Scatterplot of bottom total suspended solids at segment SBEMH during the period 1985 to 2002.



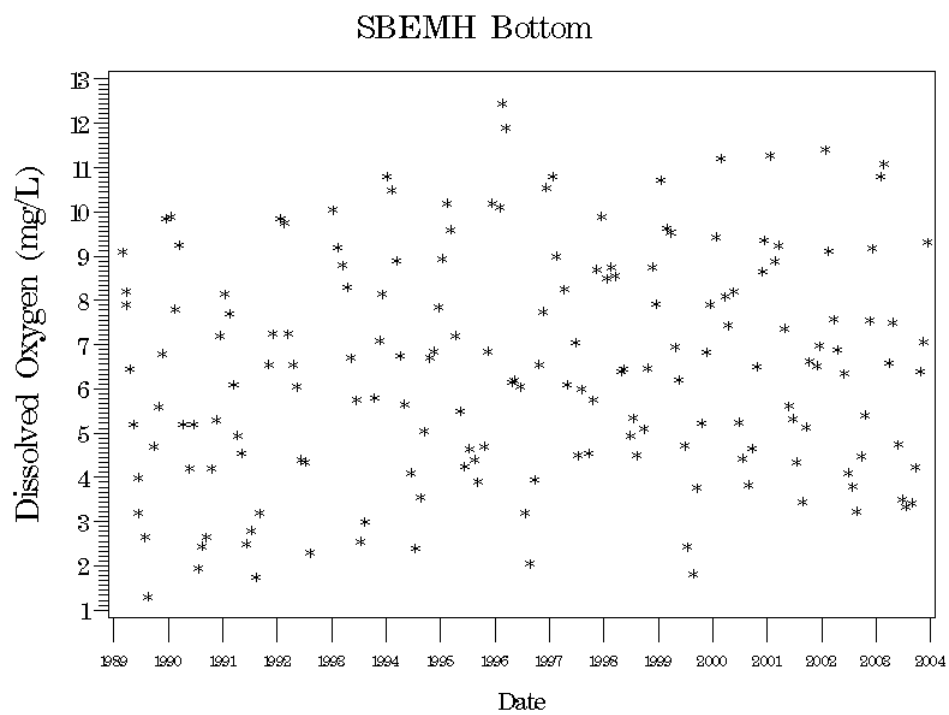


Figure 53. Scatterplot of bottom dissolved oxygen at segment SBEMH during the period 1985 to 2002.

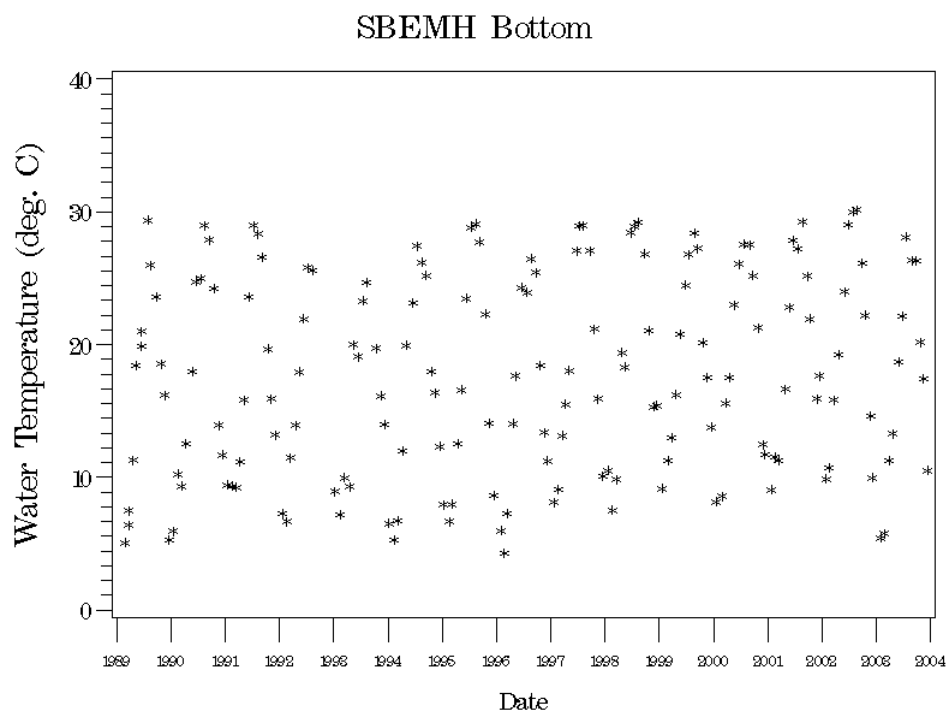


Figure 54. Scatterplot of bottom water temperature at segment SBEMH during the period 1985 to 2002.

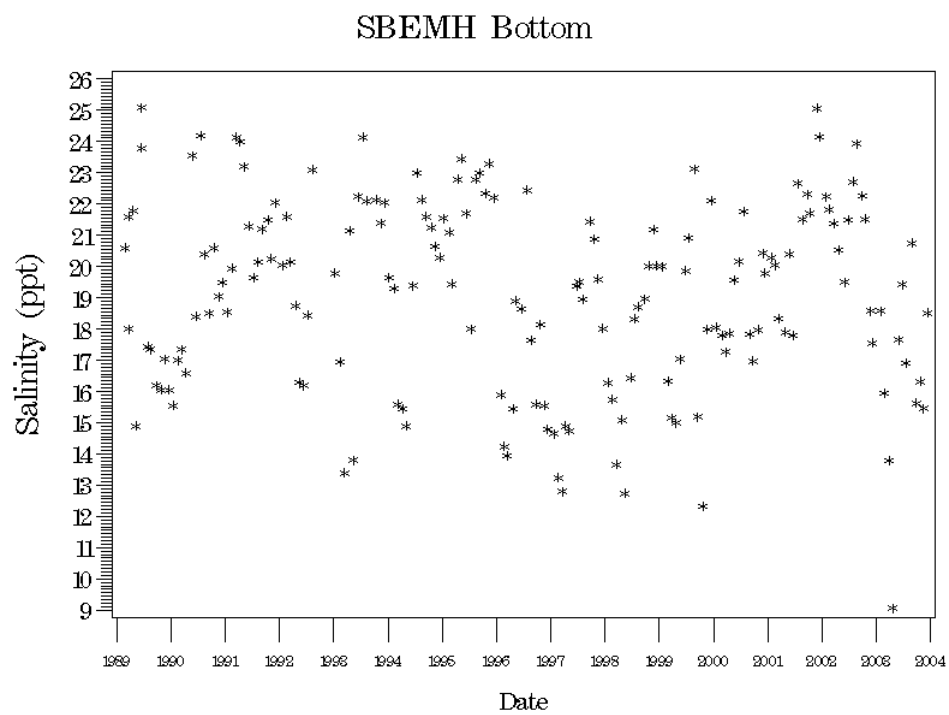


Figure 55. Scatterplot of bottom salinity at segment SBEMH during the period 1985 to 2002.

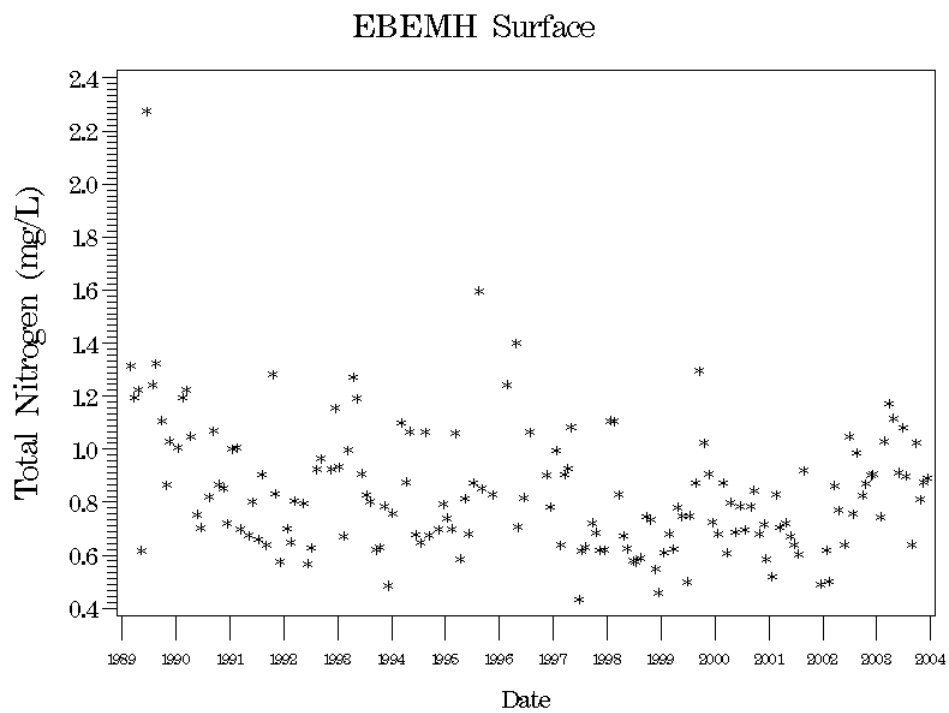


Figure 55      Scatterplots of surface total nitrogen at segment EBEMH during the period of 1989 to 2002.

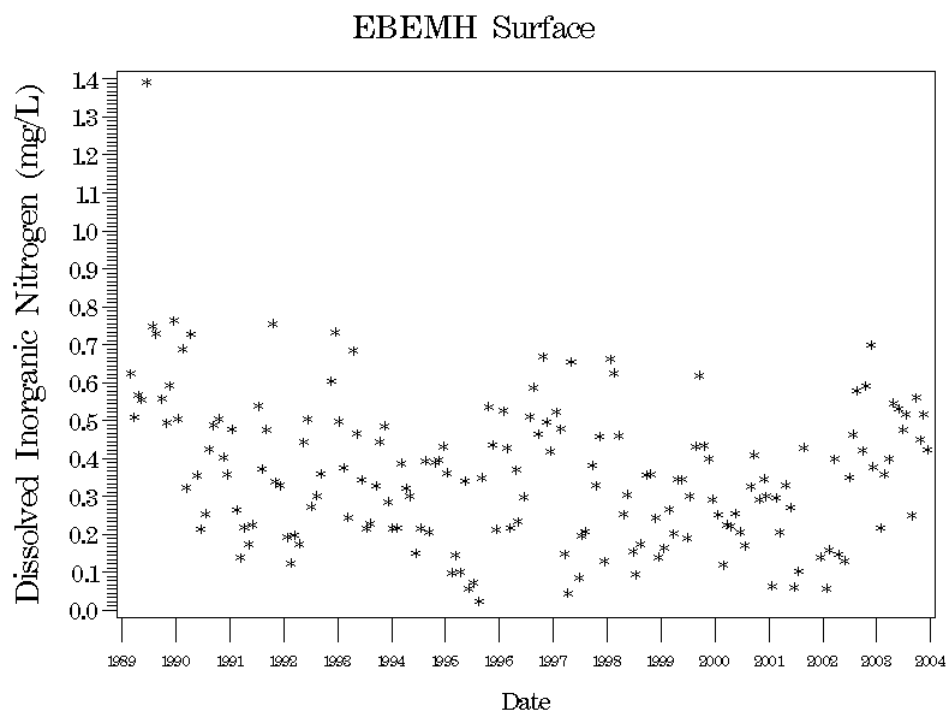


Figure 57. Scatterplots of surface dissolved inorganic nitrogen at segment EBEMH during the period of 1989 to 2002.

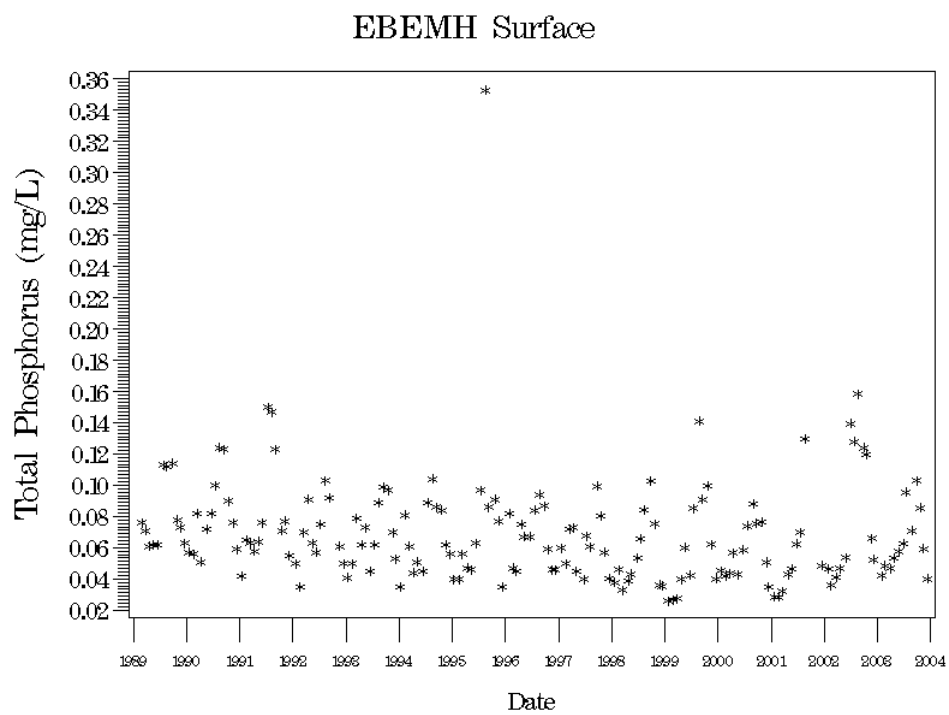


Figure 58. Scatterplots of surface total phosphorus at segment EBEMH during the period of 1989 to 2002.

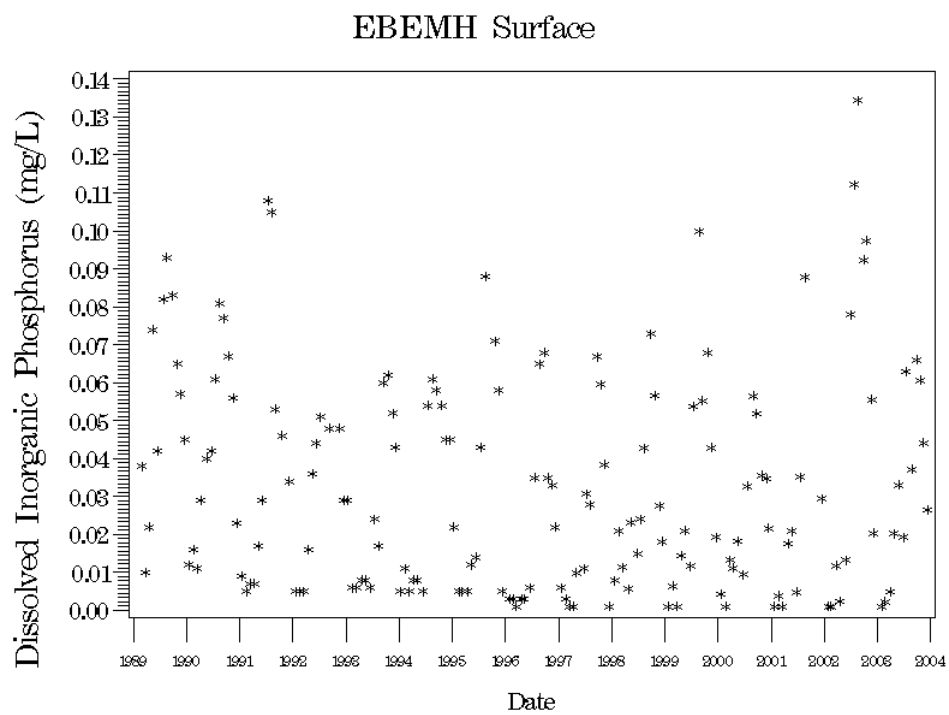


Figure 59. Scatterplots of surface dissolved inorganic phosphorus at segment EBEMH during the period of 1989 to 2002.

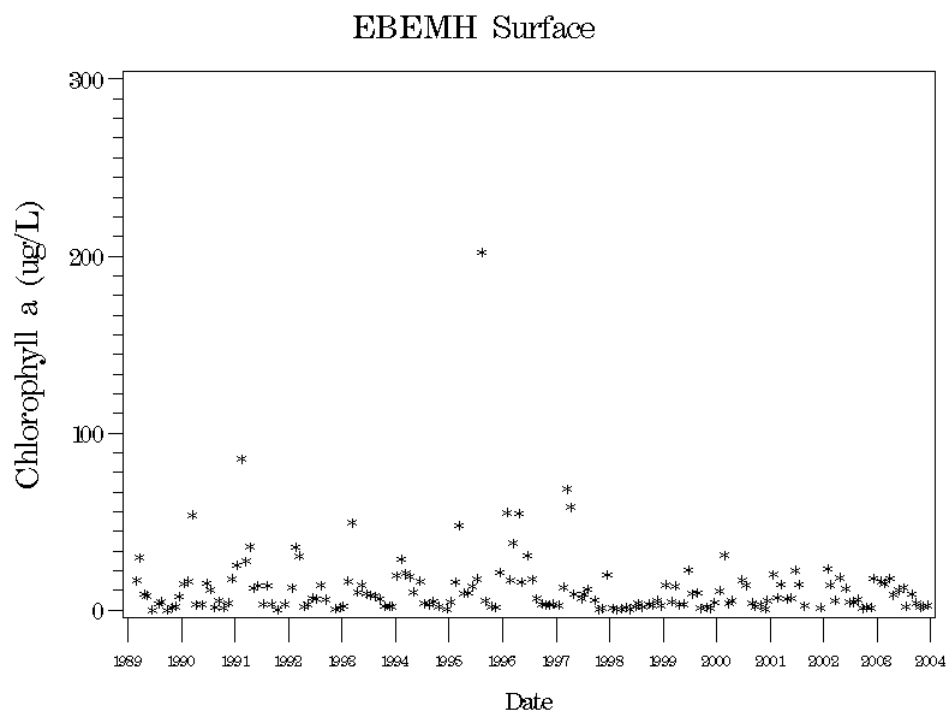


Figure 60. Scatterplot of surface chlorophyll *a* at segment EBEMH during the period 1985 to 2002.



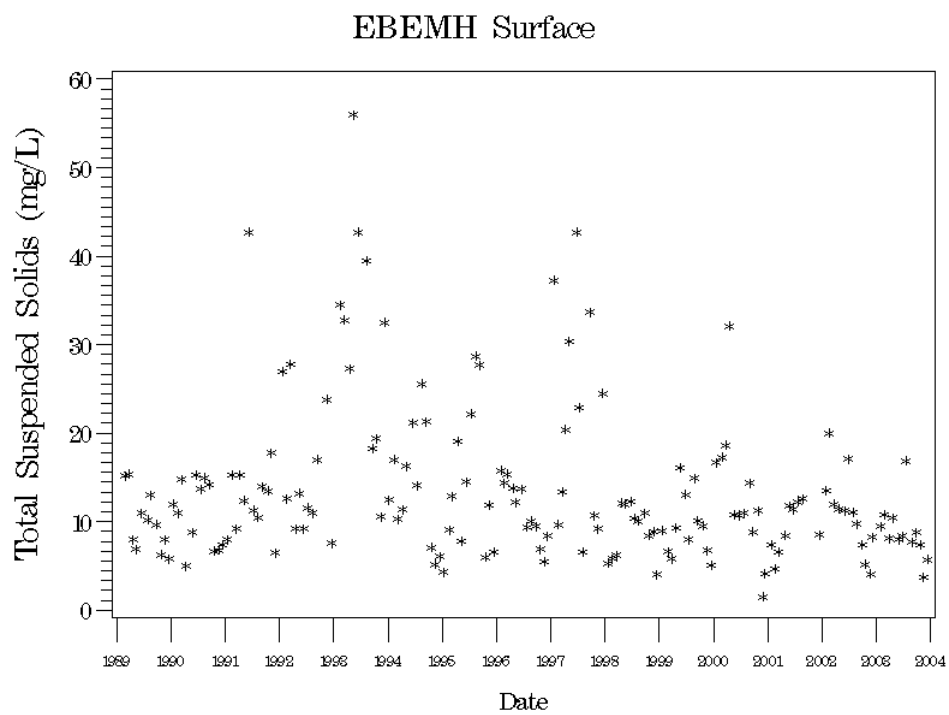


Figure 61. Scatterplot of surface total suspended solids at segment EBEMH during the period 1985 to 2002.

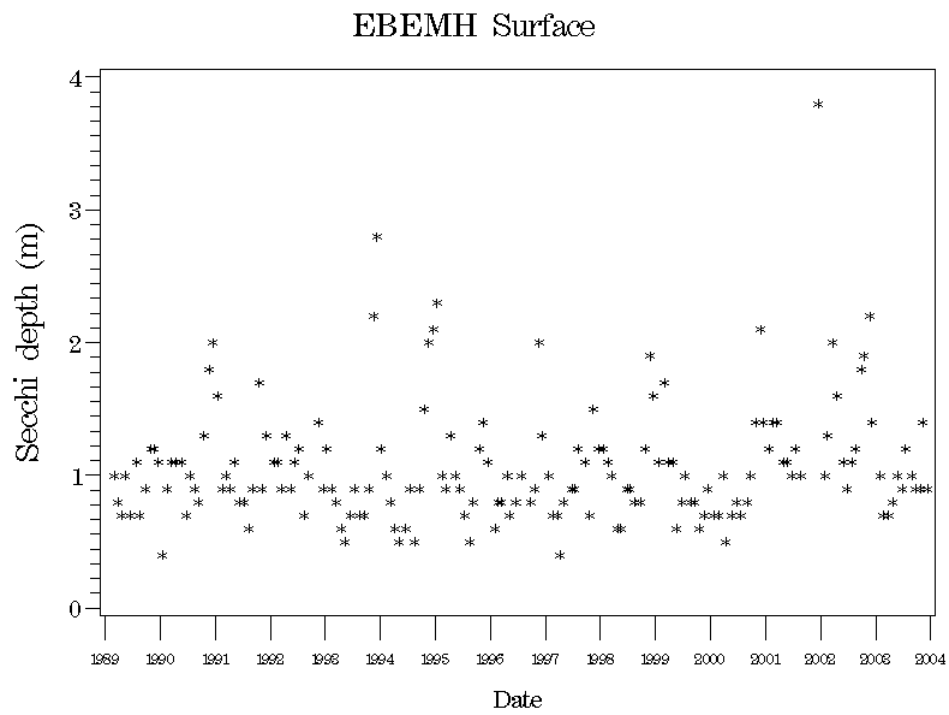


Figure 62. Scatterplot of secchi depth at segment EBEMH during the period 1989 through 2002.

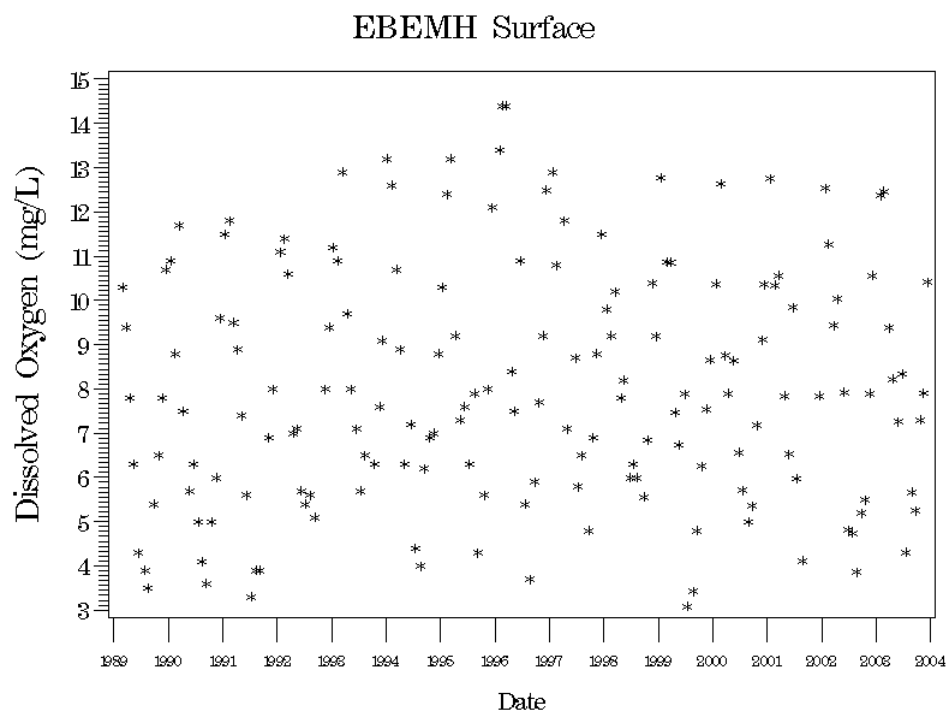


Figure 63. Scatterplot of surface dissolved oxygen at segment EBEMH during the period 1985 to 2002.

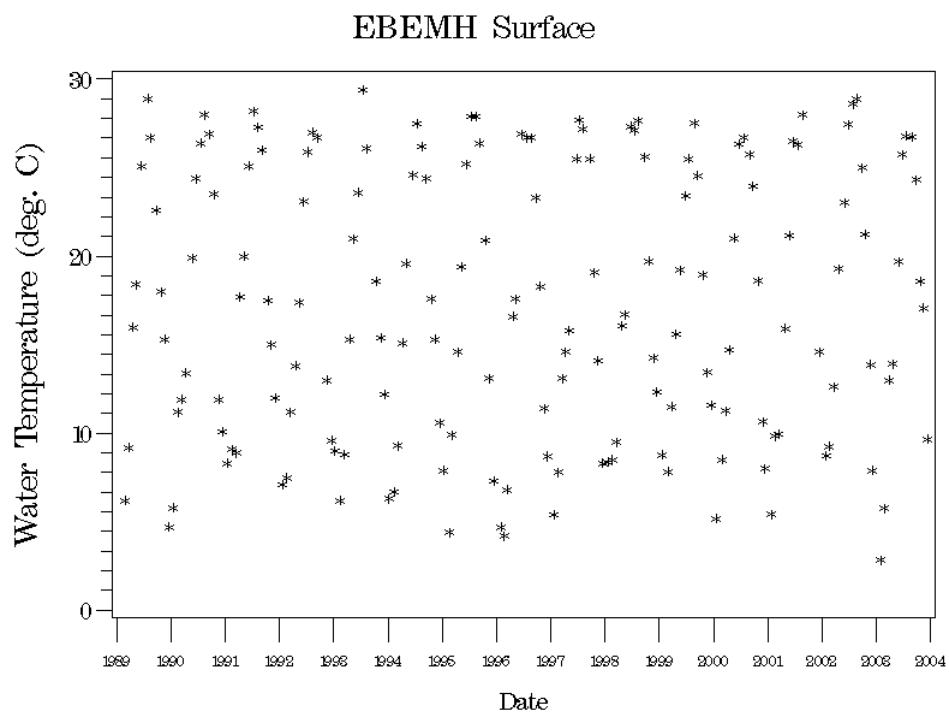


Figure 64. Scatterplot of surface water temperature at segment EBEMH during the period 1985 to 2002.

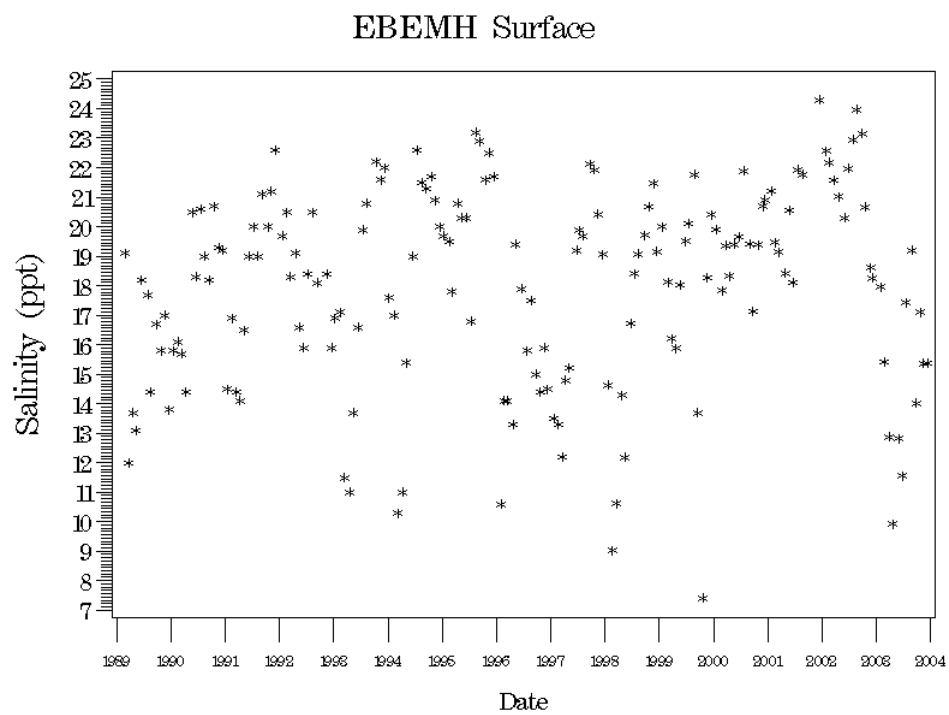


Figure 65. Scatterplot of surface salinity at segment EBEMH during the period 1985 to 2002.

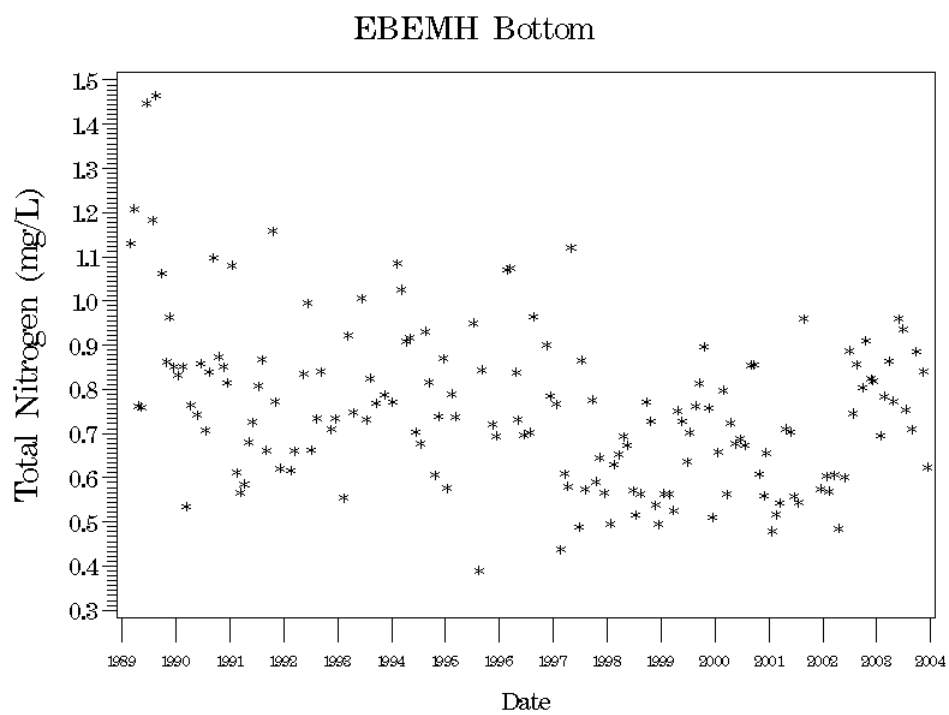


Figure 66. Scatterplots of bottom total nitrogen at segment EBEMH during the period of 1989 to 2002.

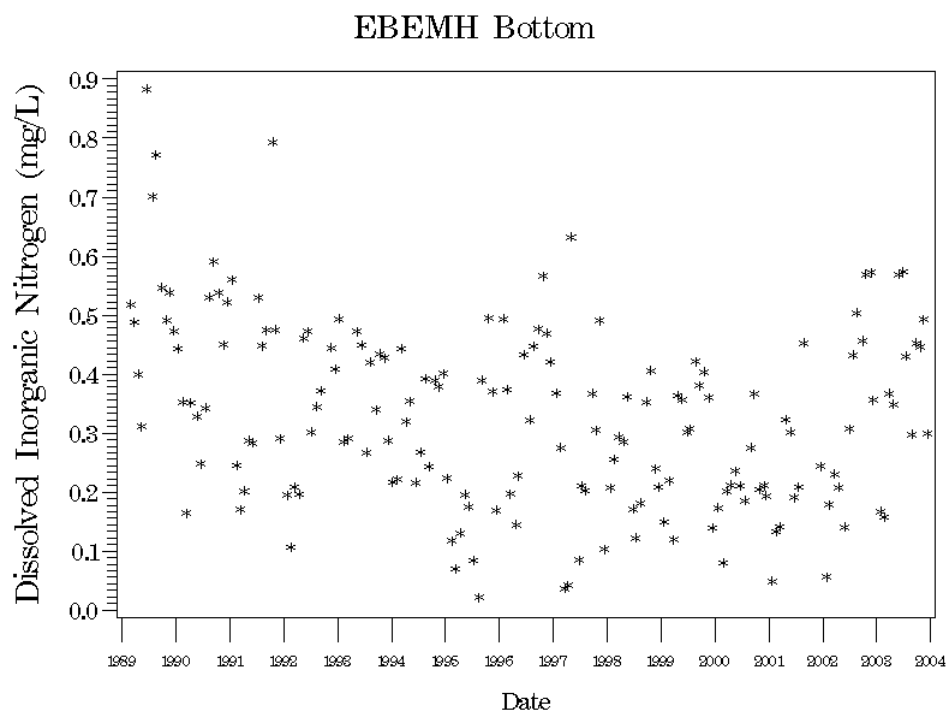


Figure 67. Scatterplots of bottom dissolved inorganic nitrogen at segment EBEMH during the period of 1989 to 2002.

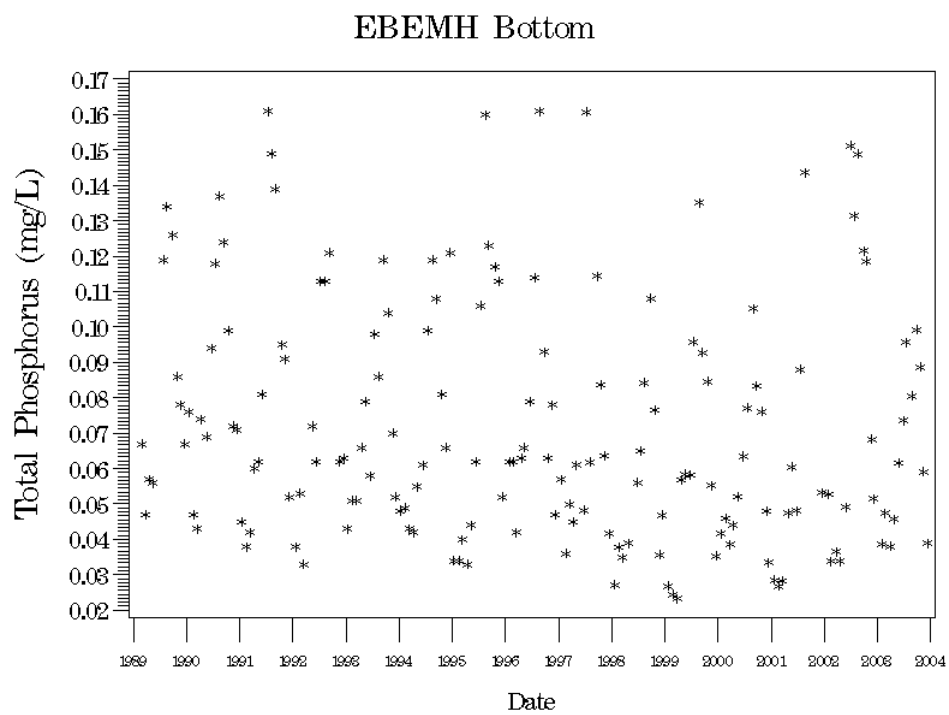


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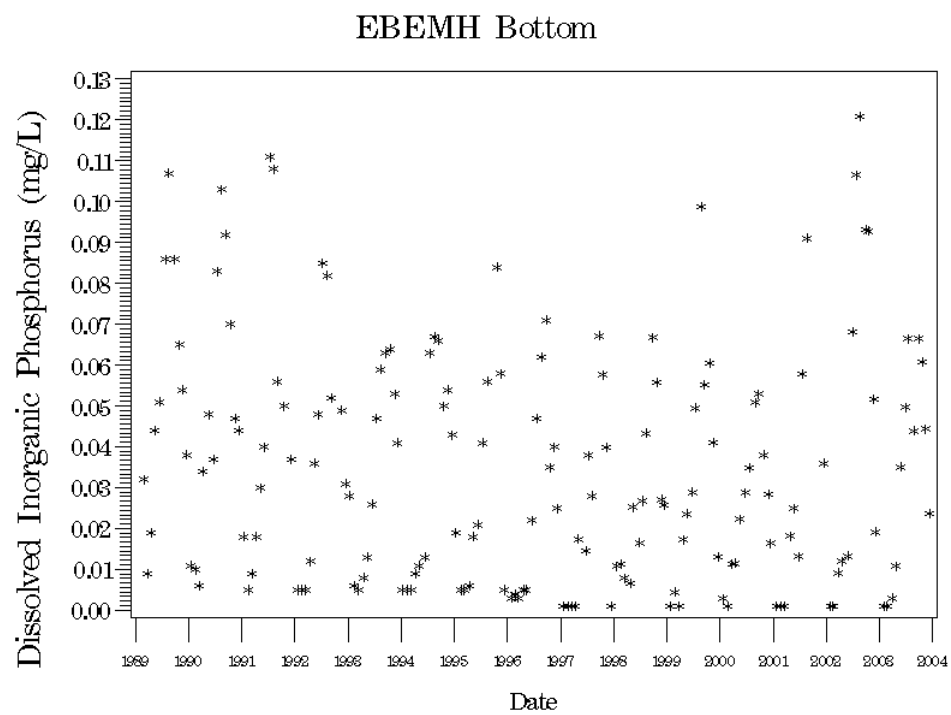


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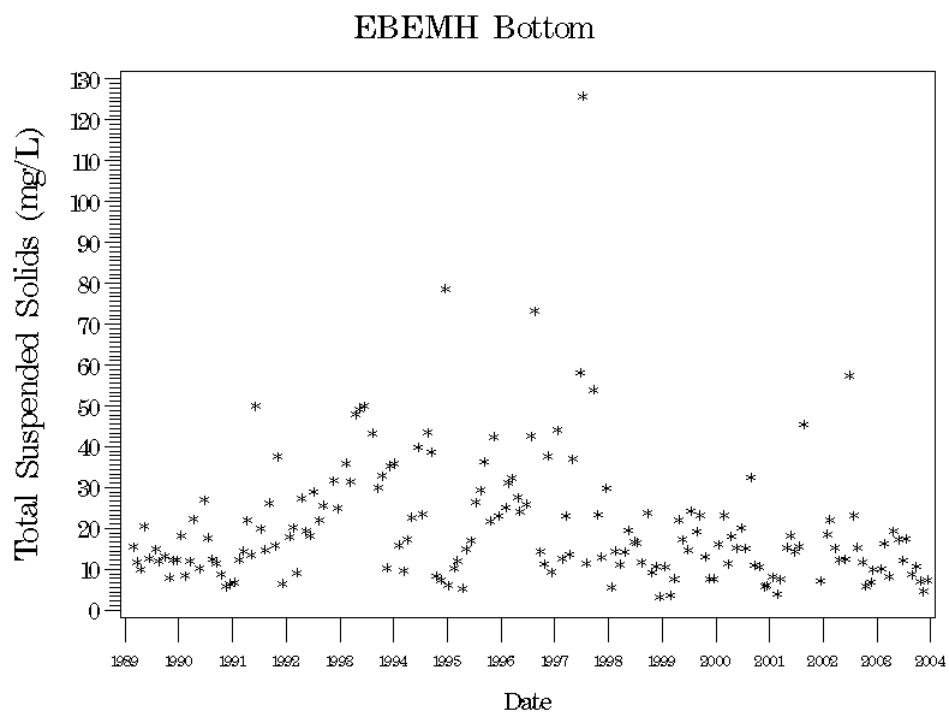


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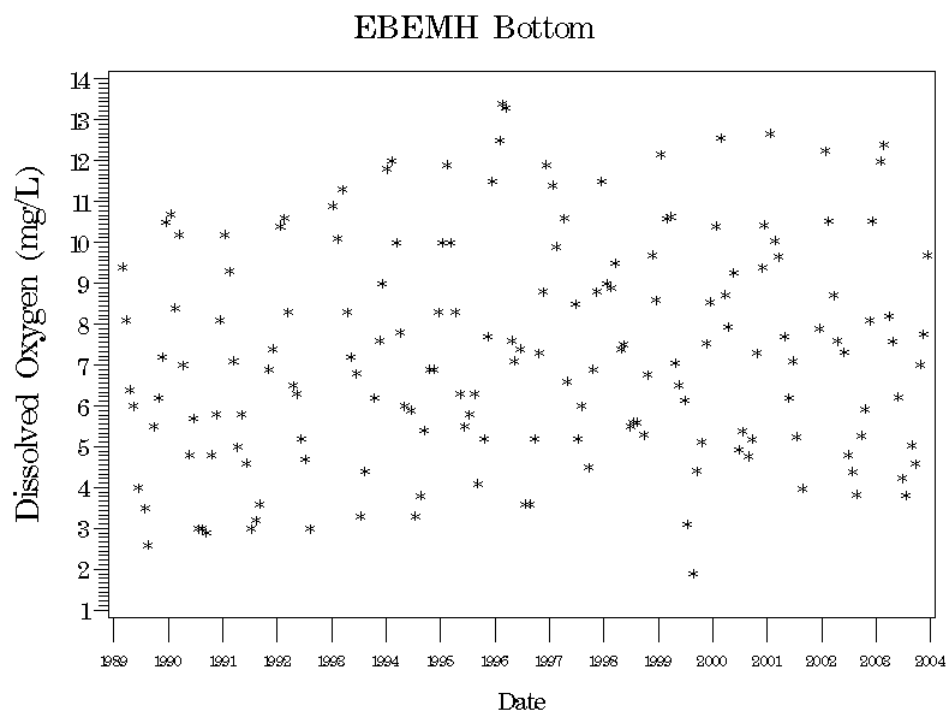


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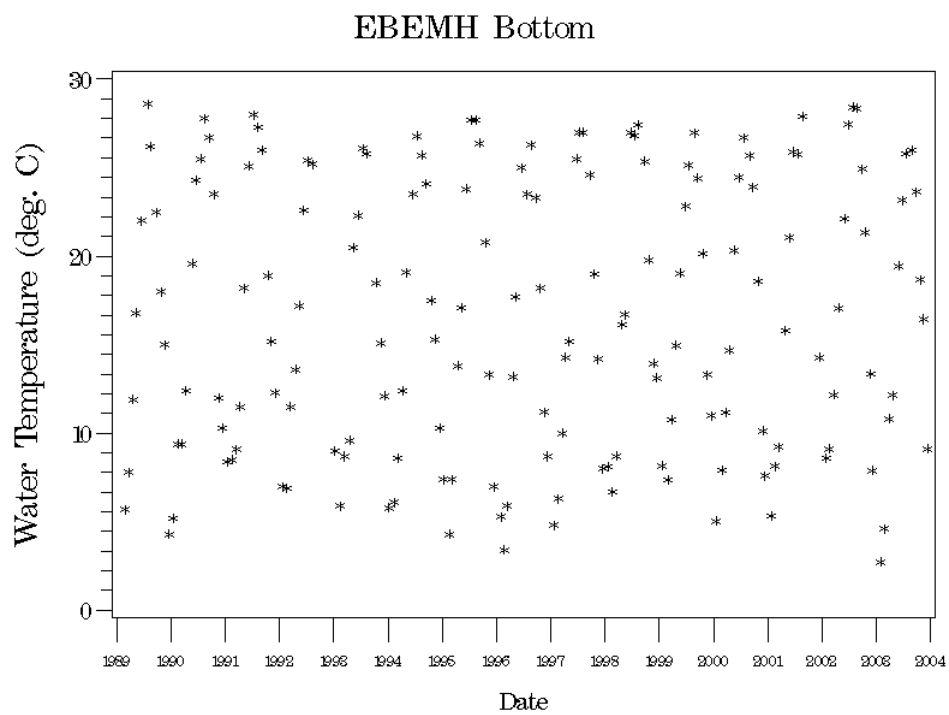


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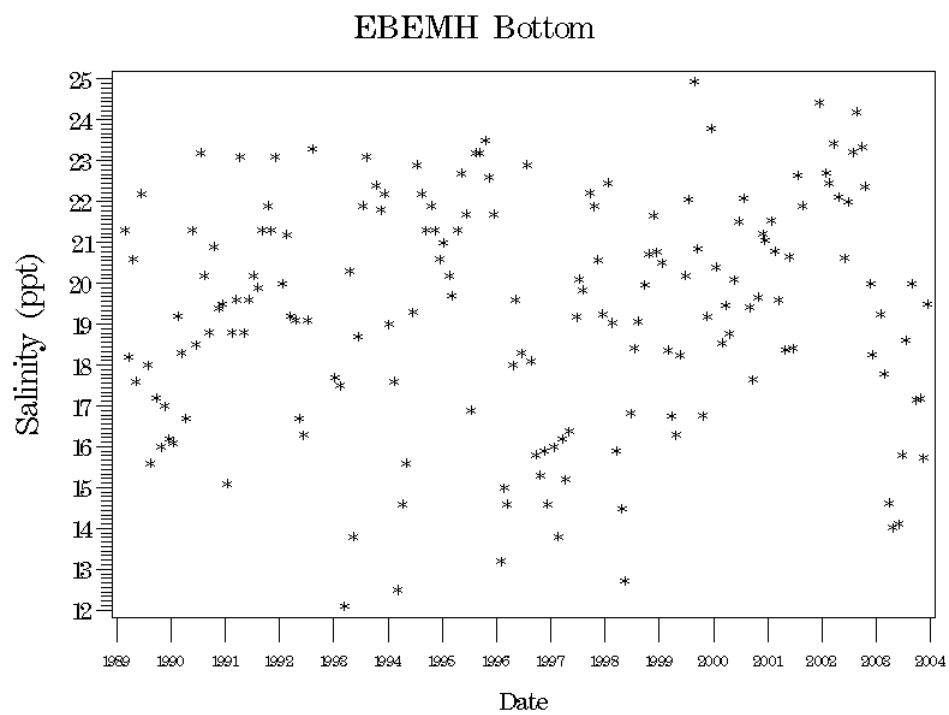


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**Section III - York River**

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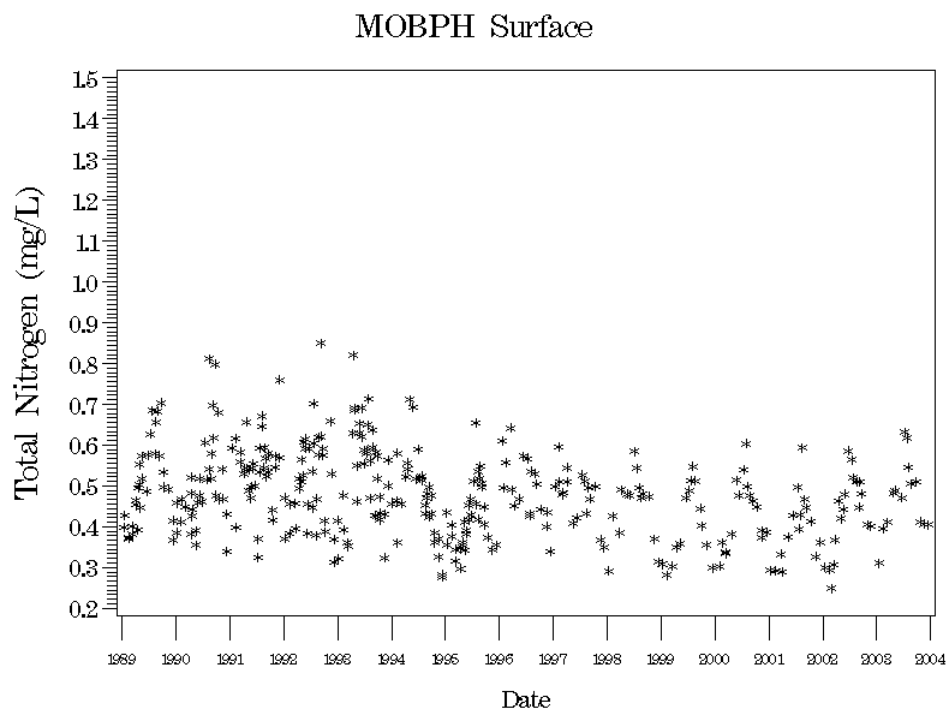


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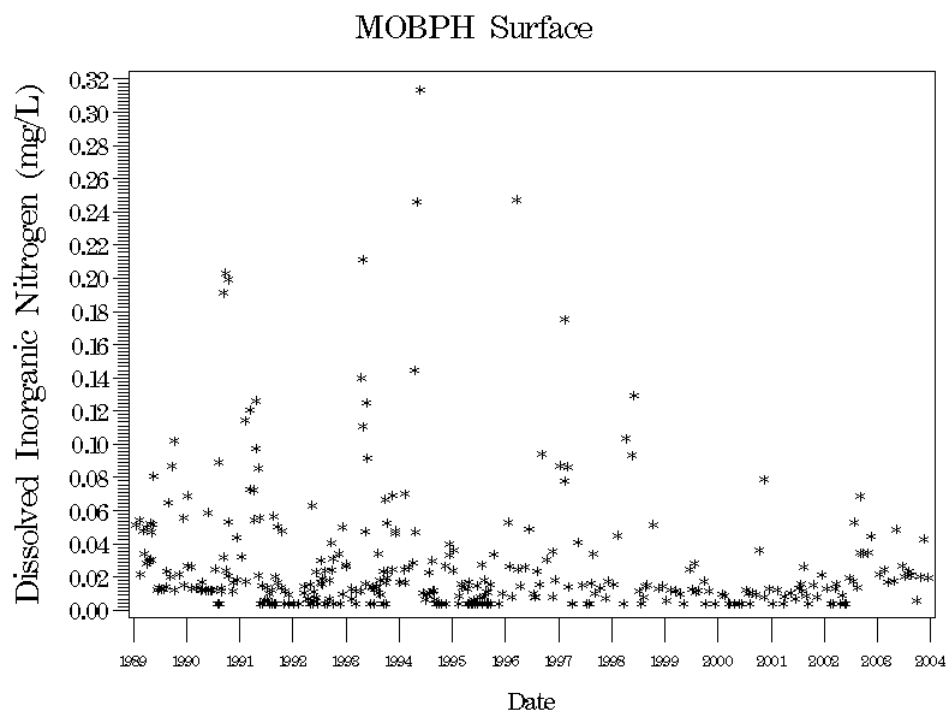


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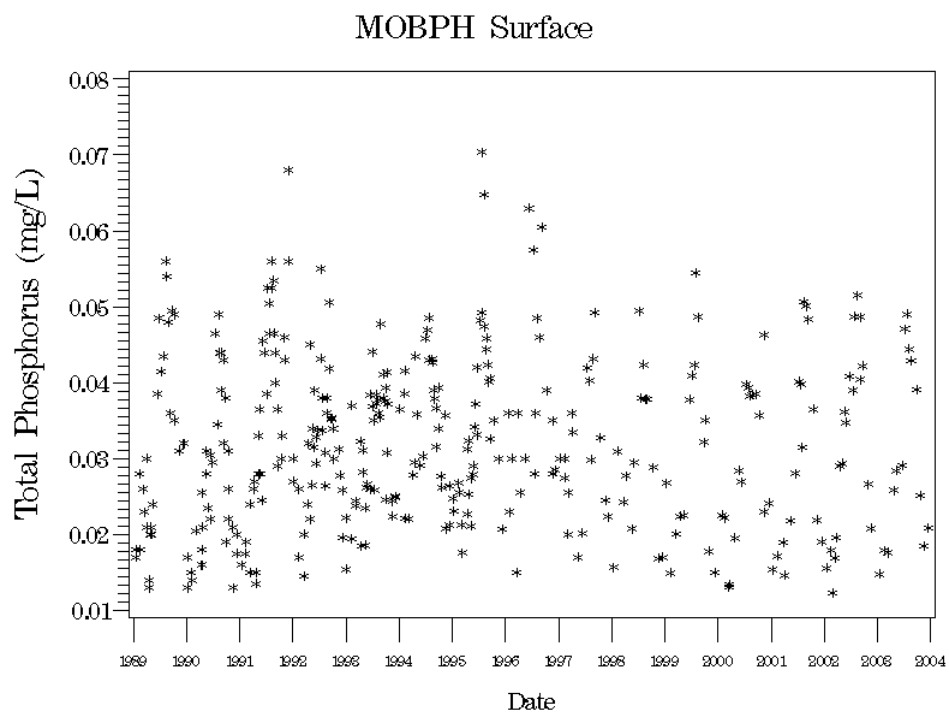


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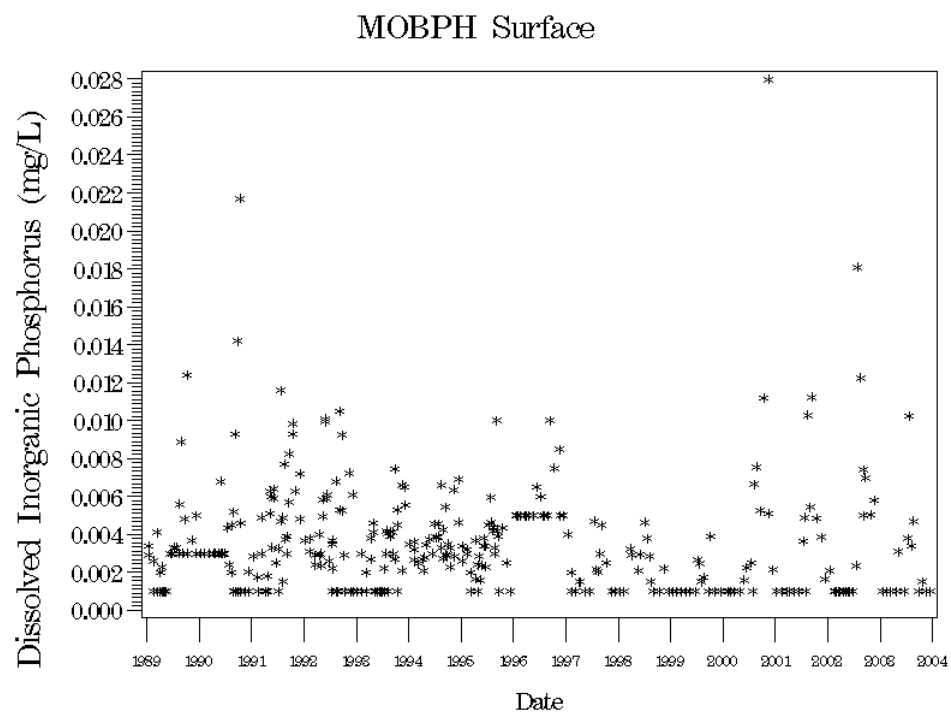


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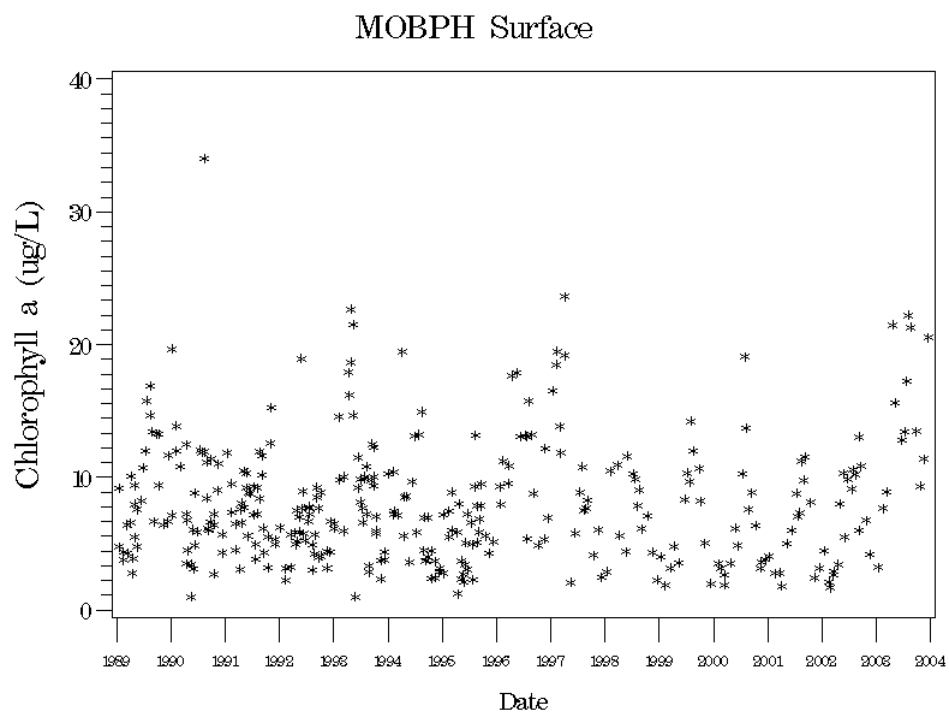


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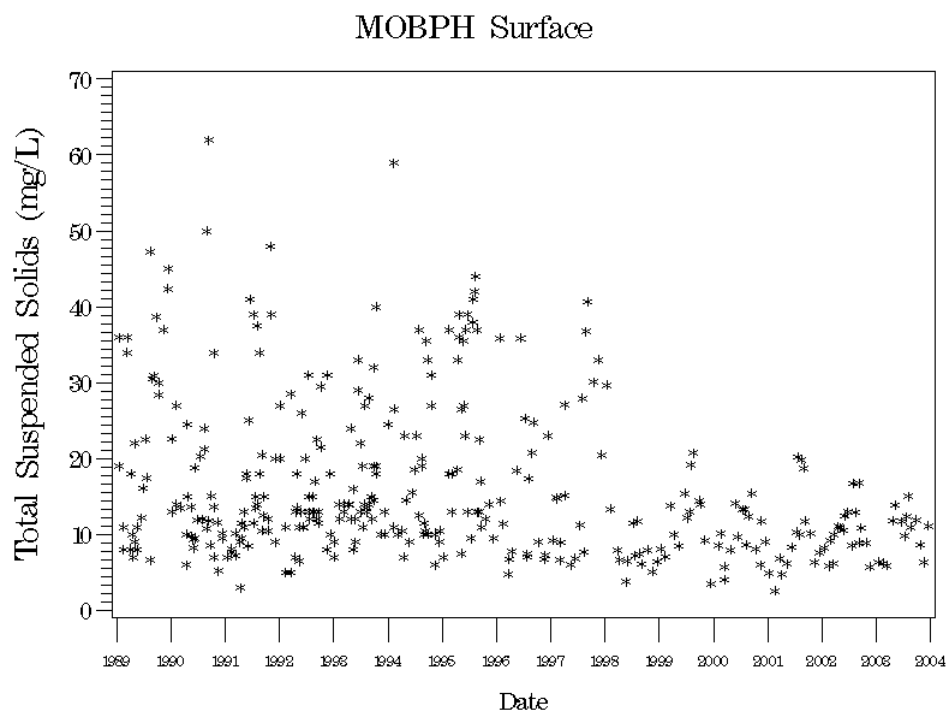


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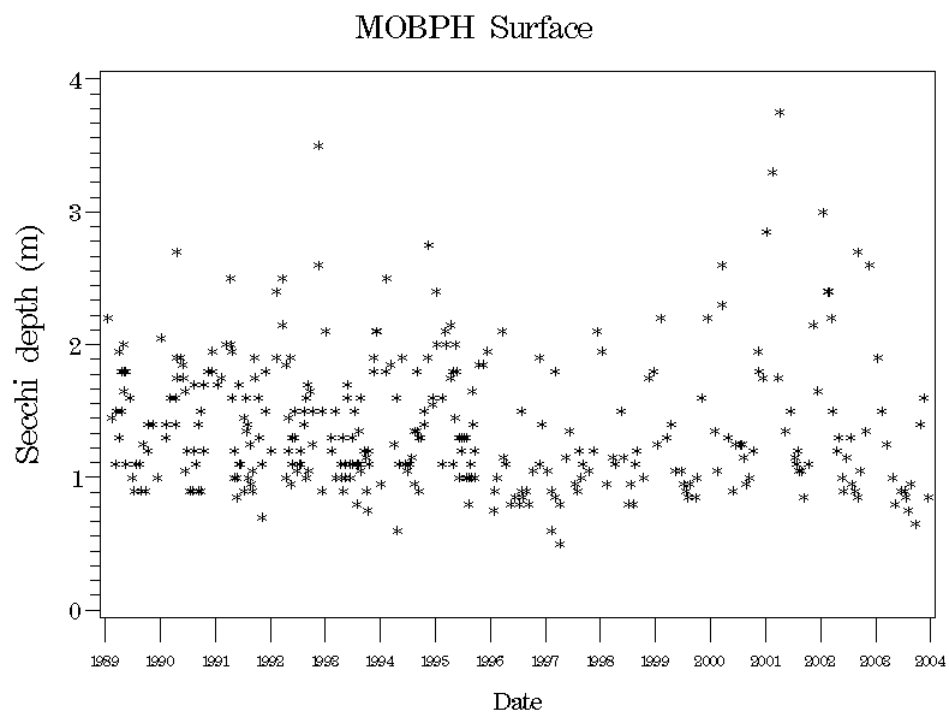


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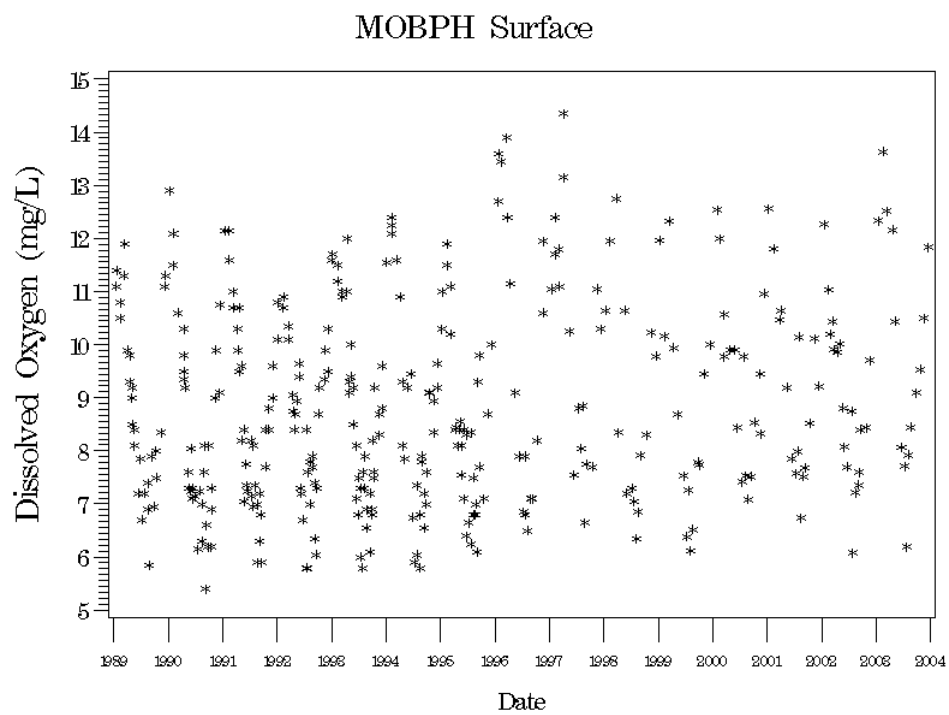


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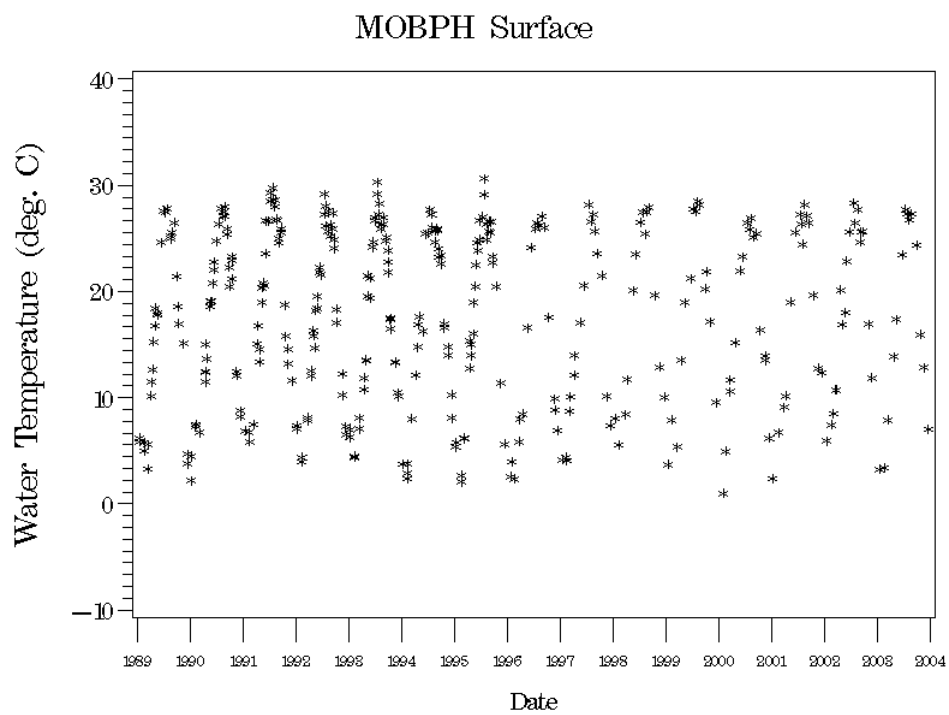


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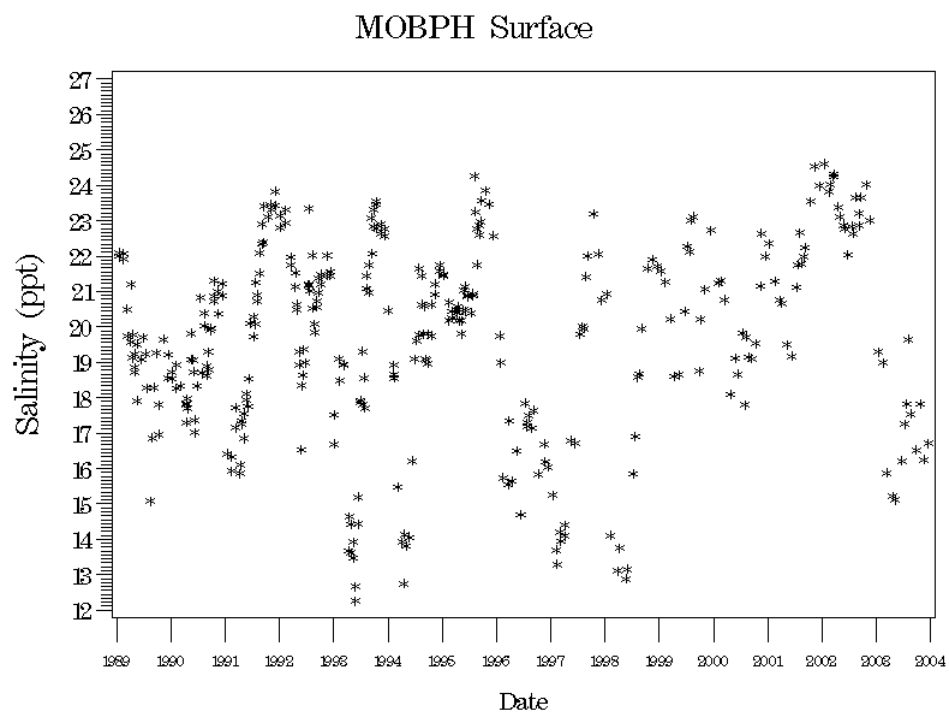


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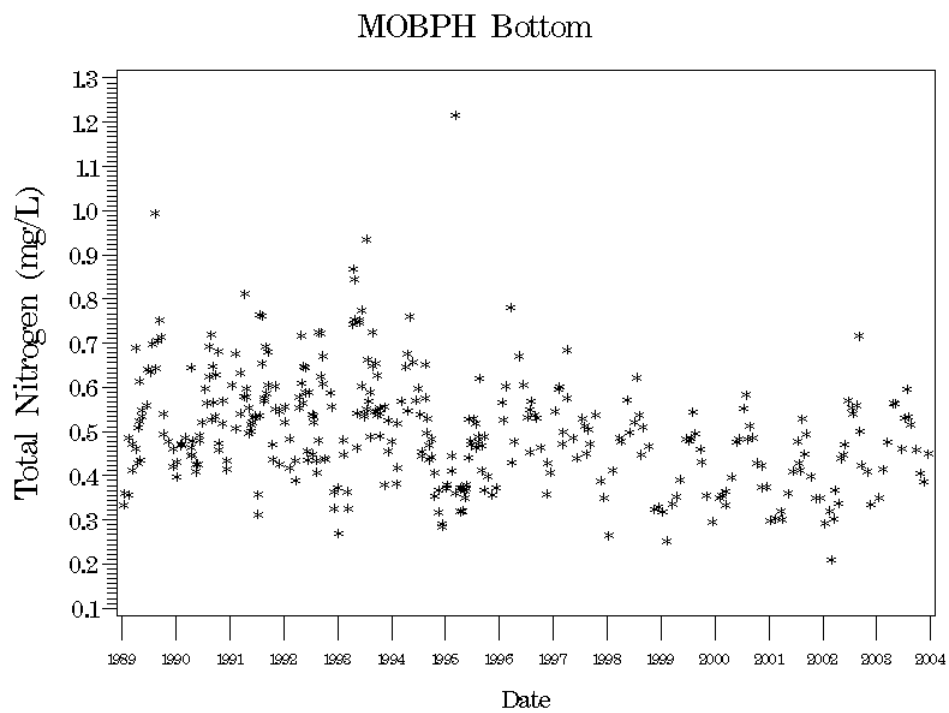


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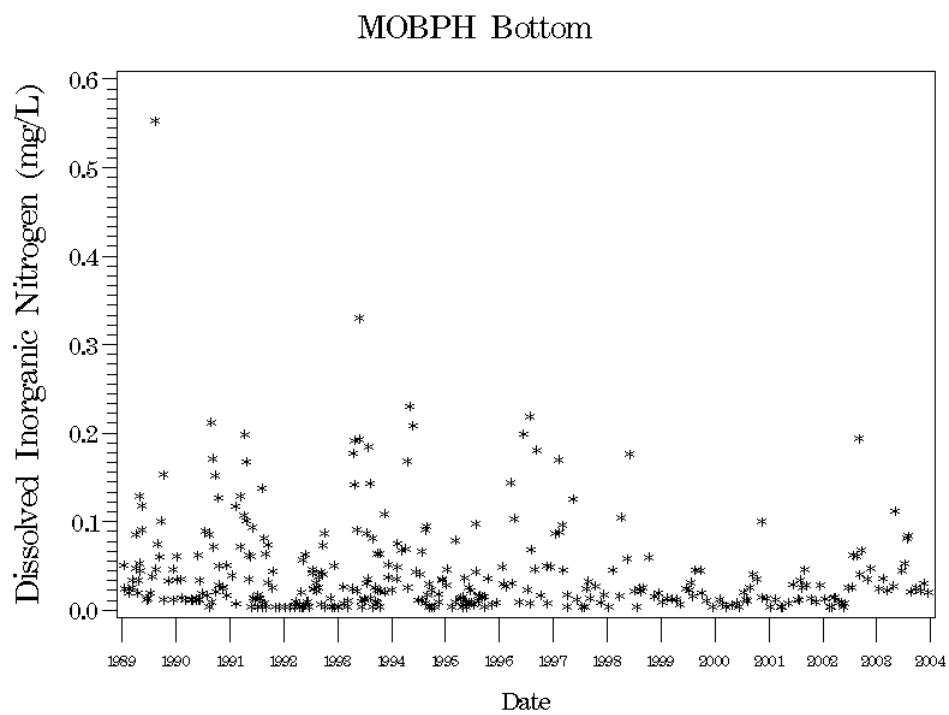


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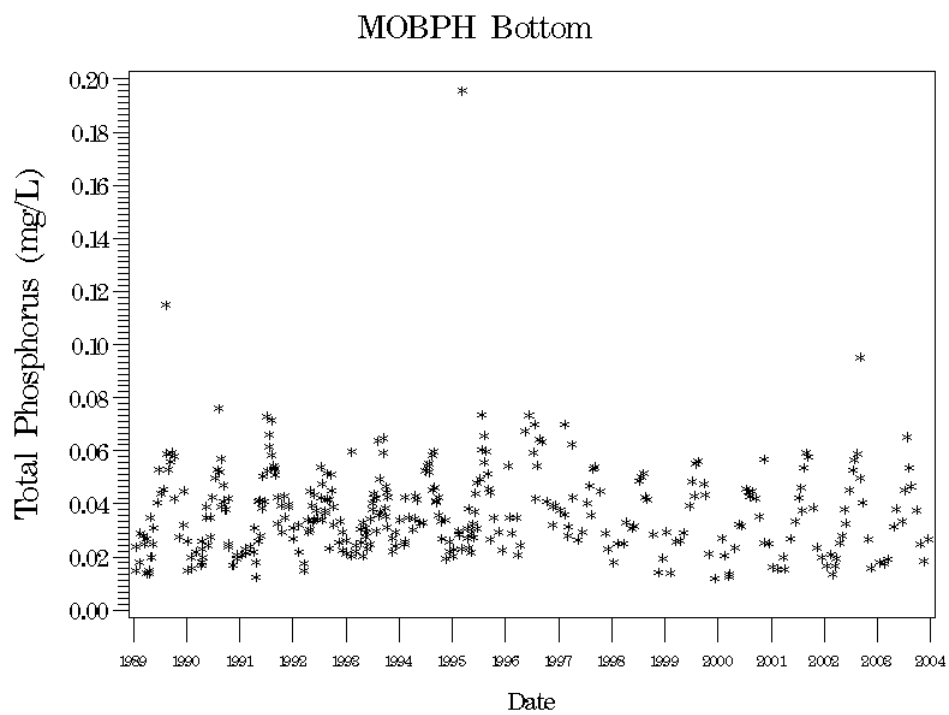


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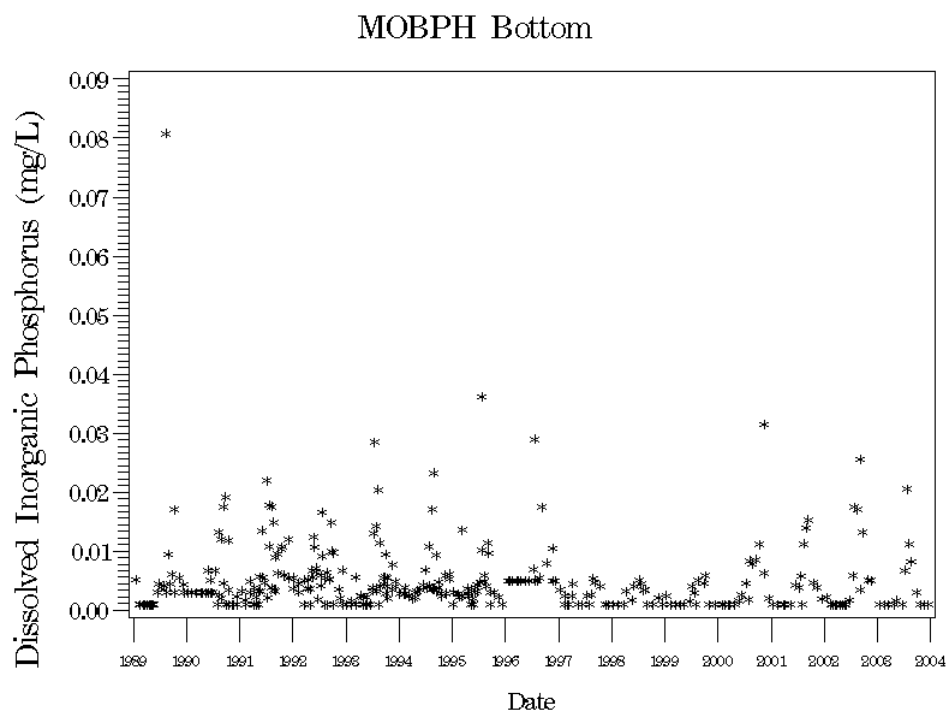


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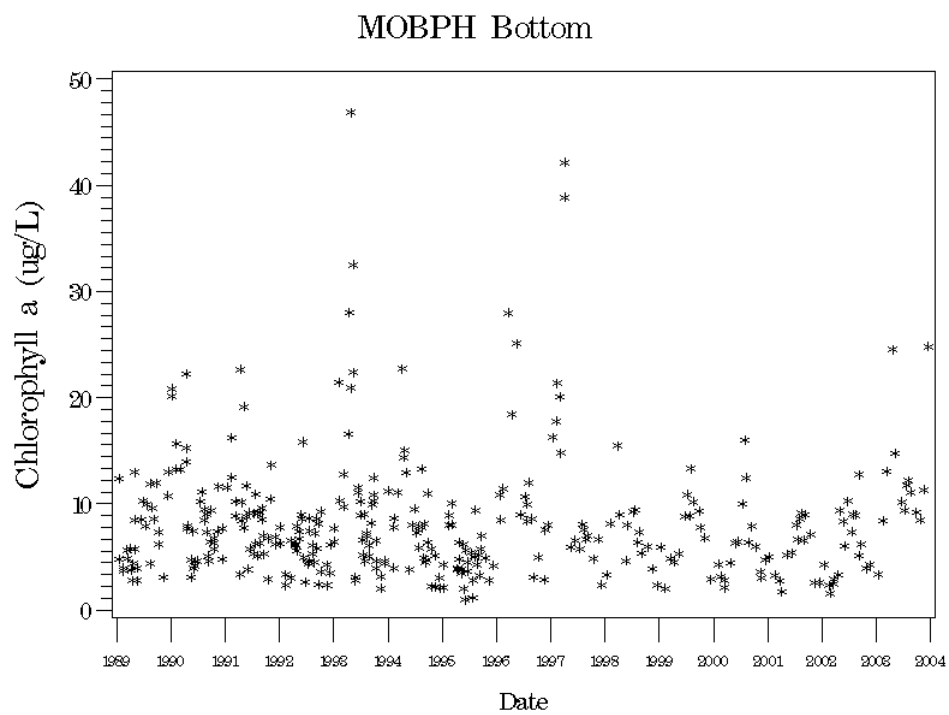


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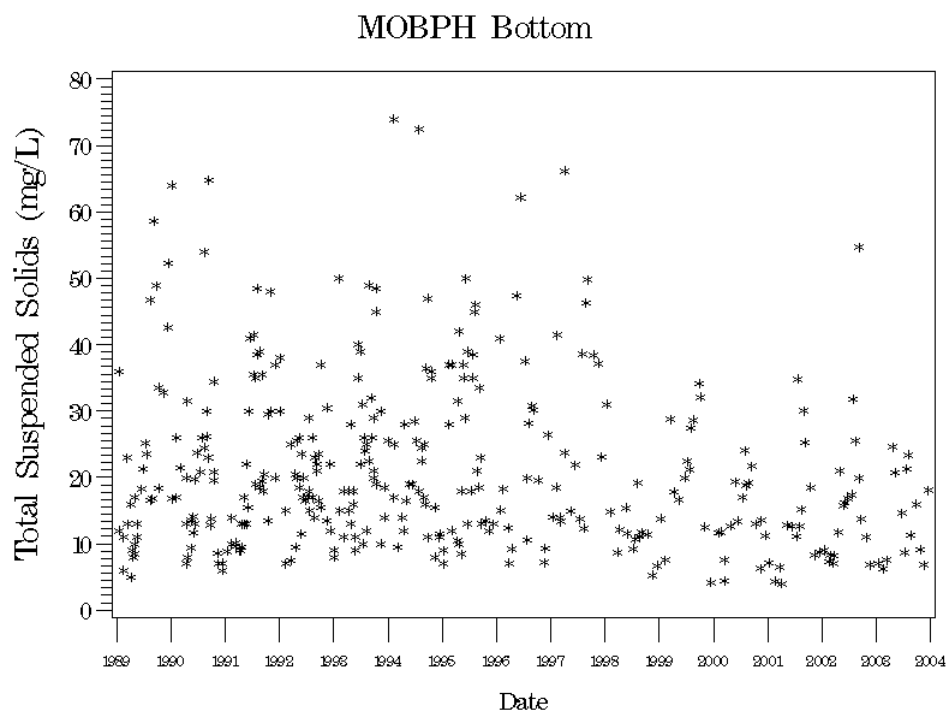


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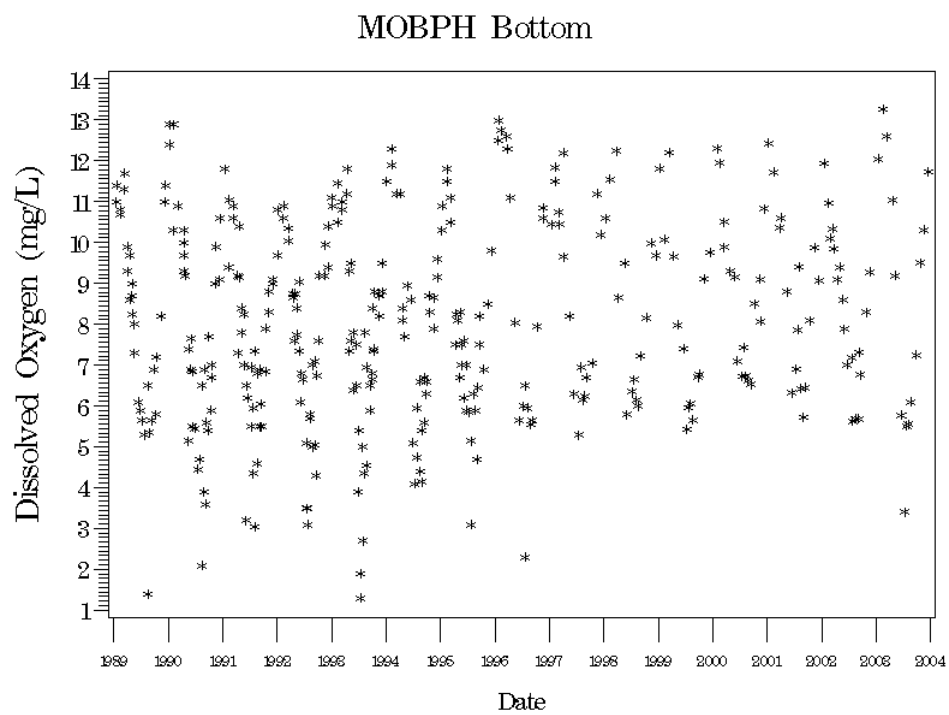


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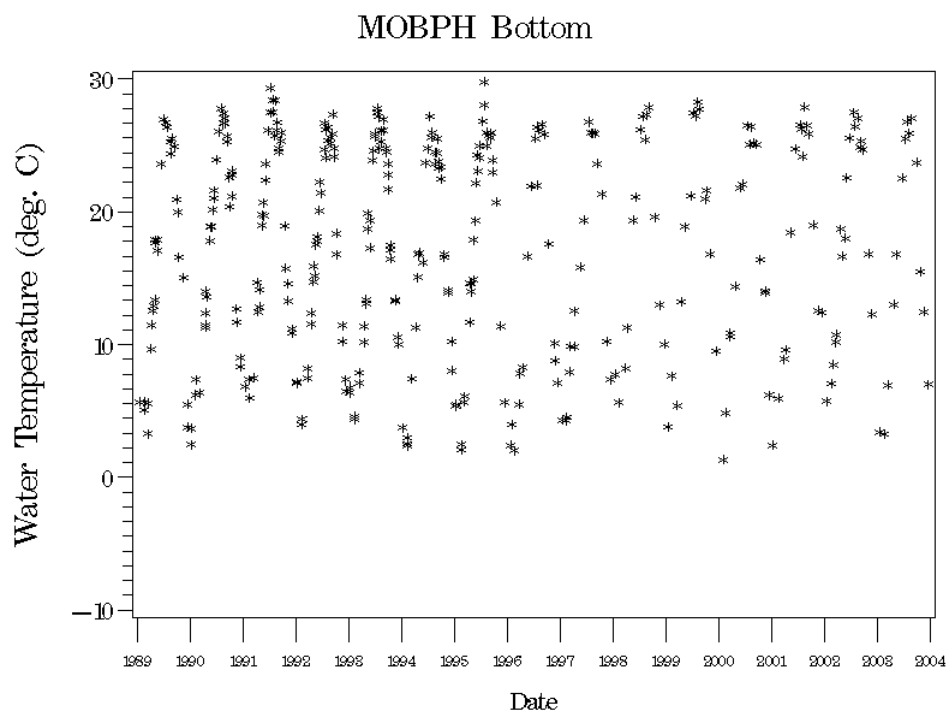


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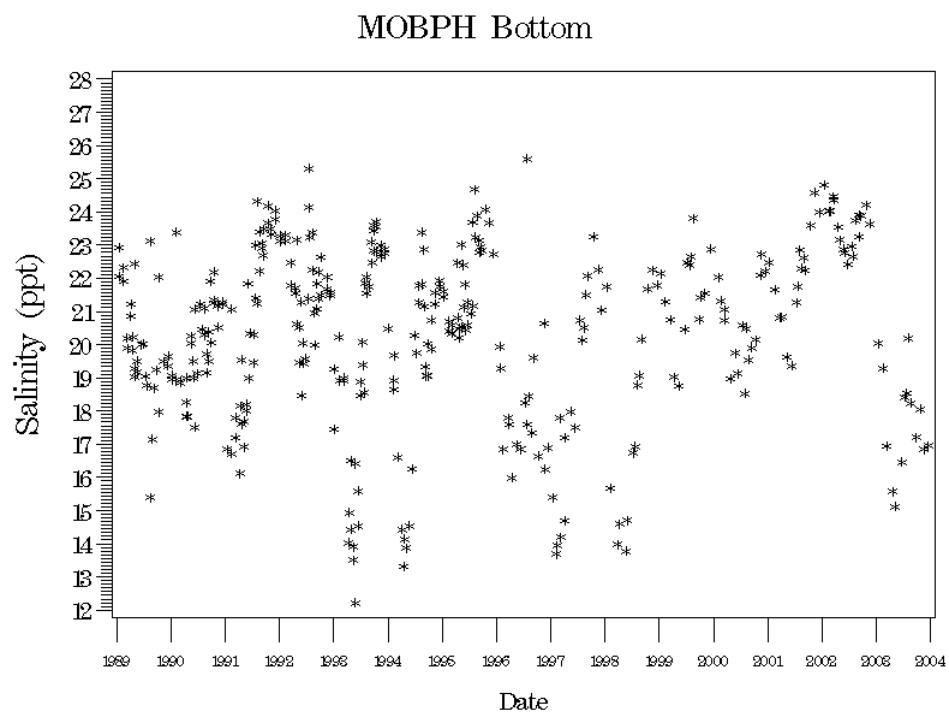
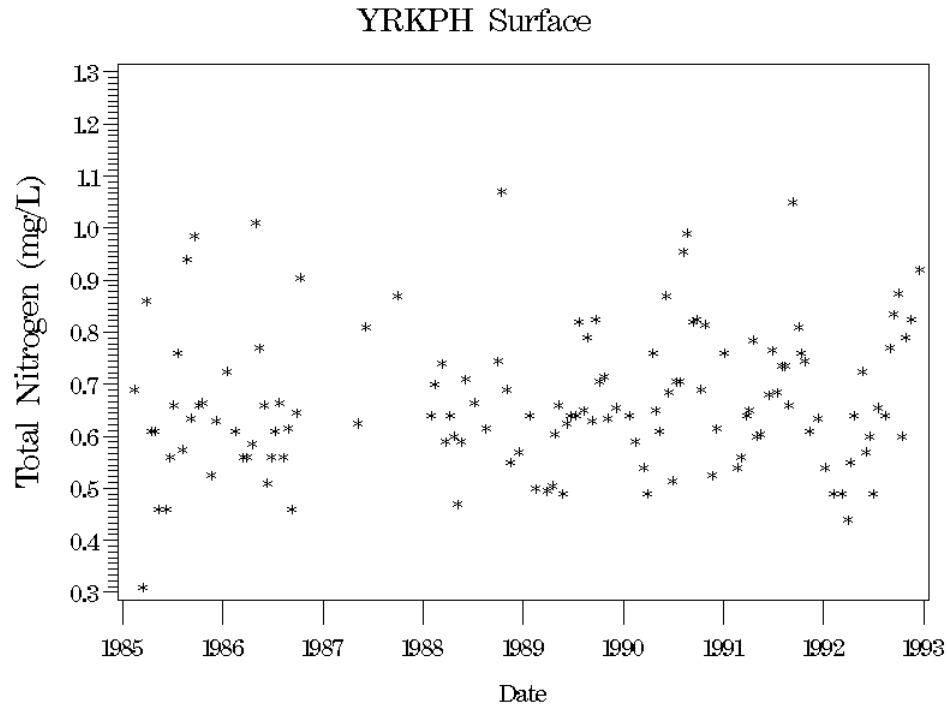


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b)Post-method change period

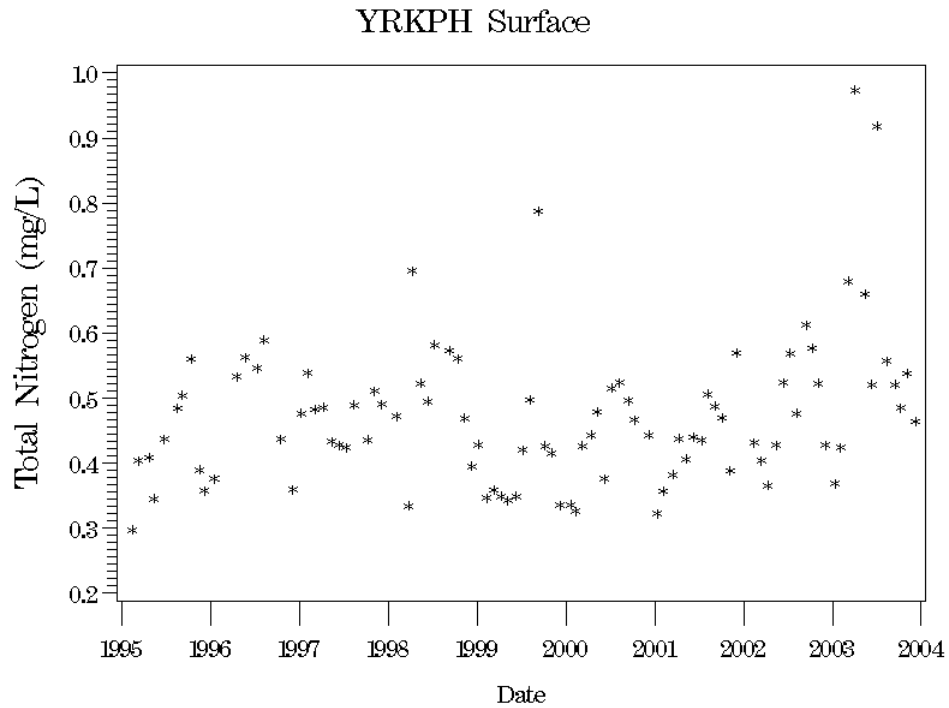


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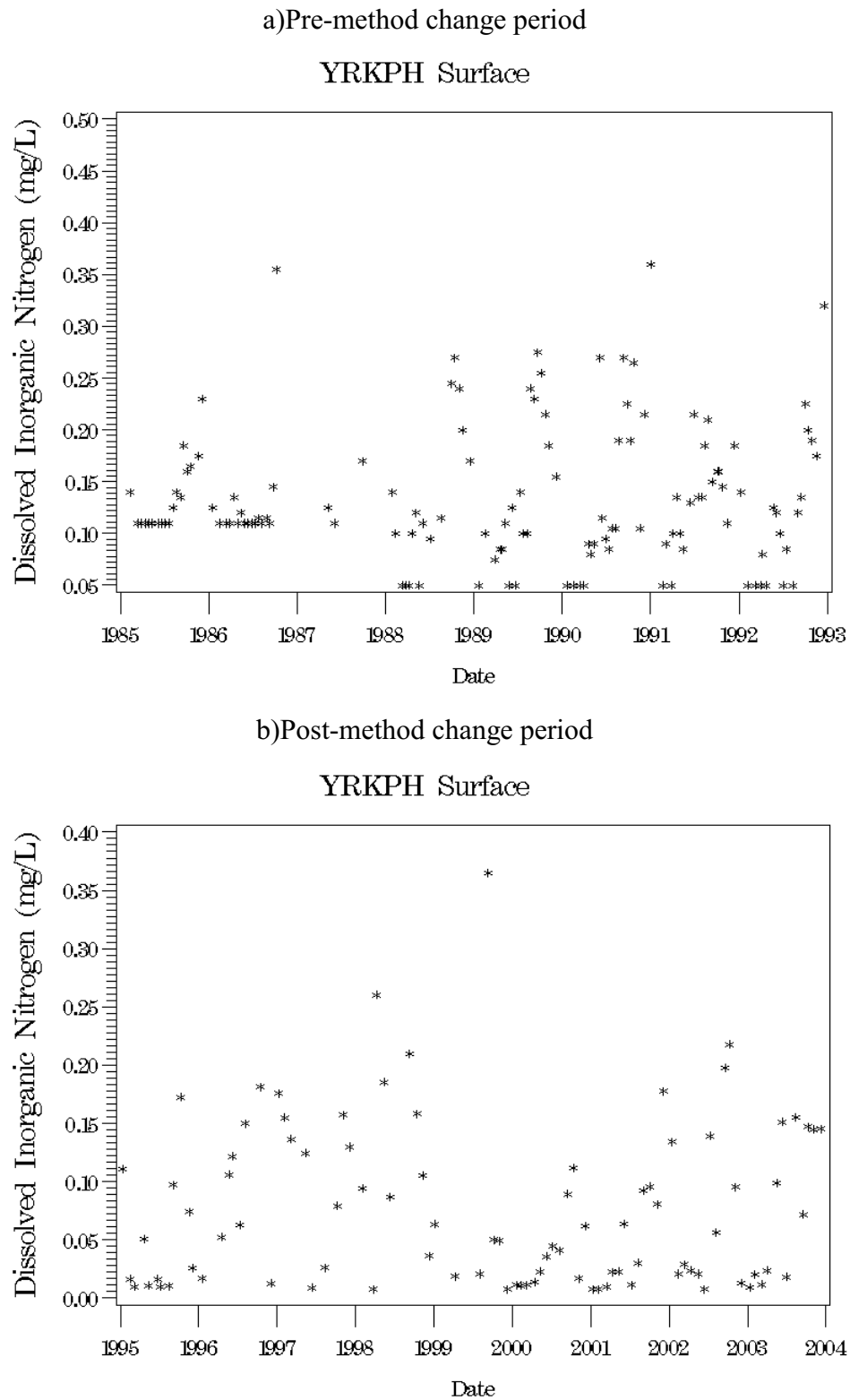


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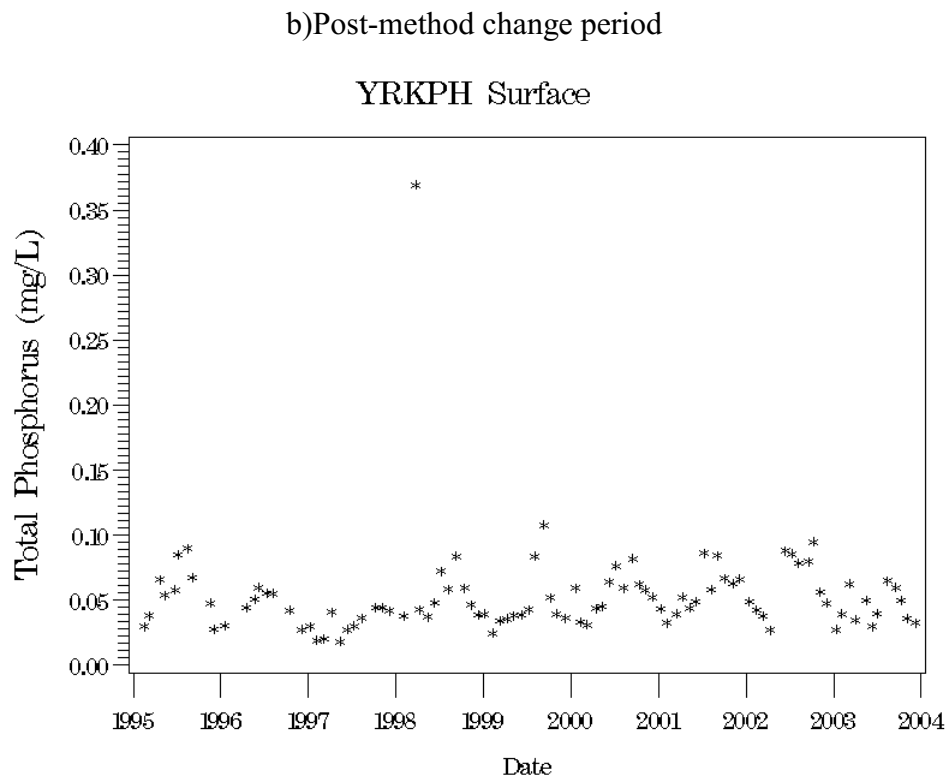
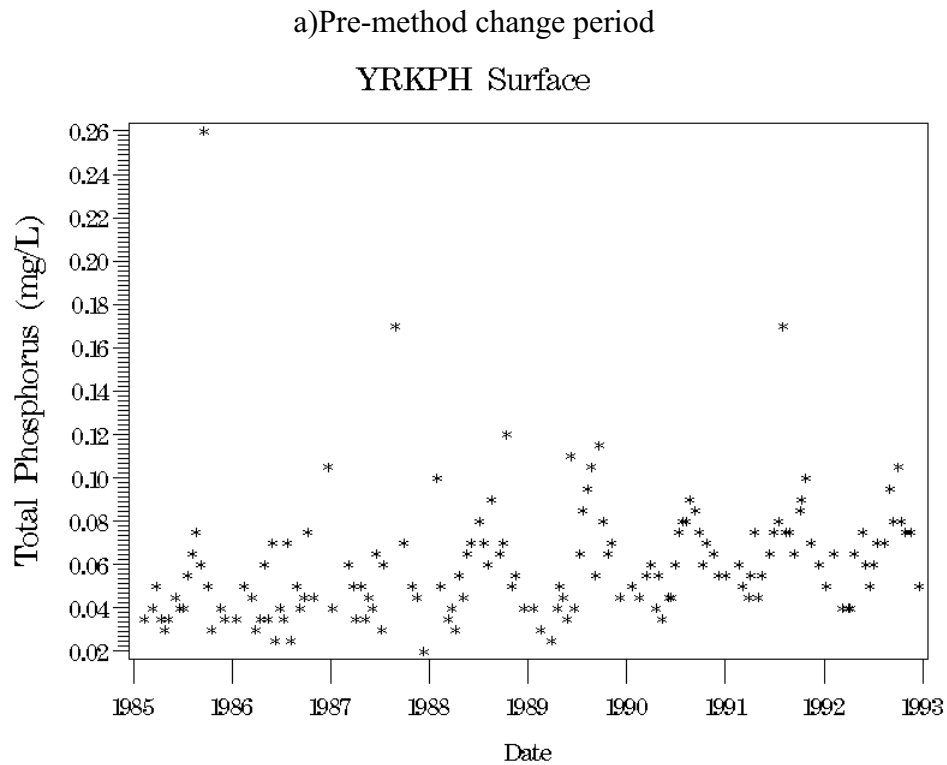


Figure 22. Scatterplots of surface total phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

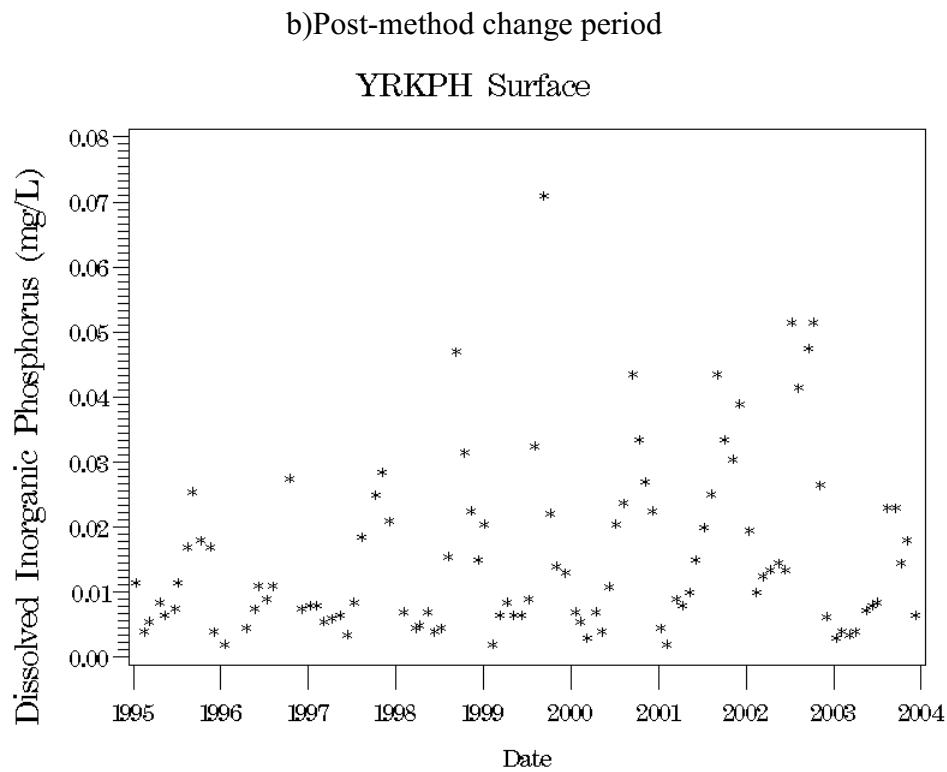
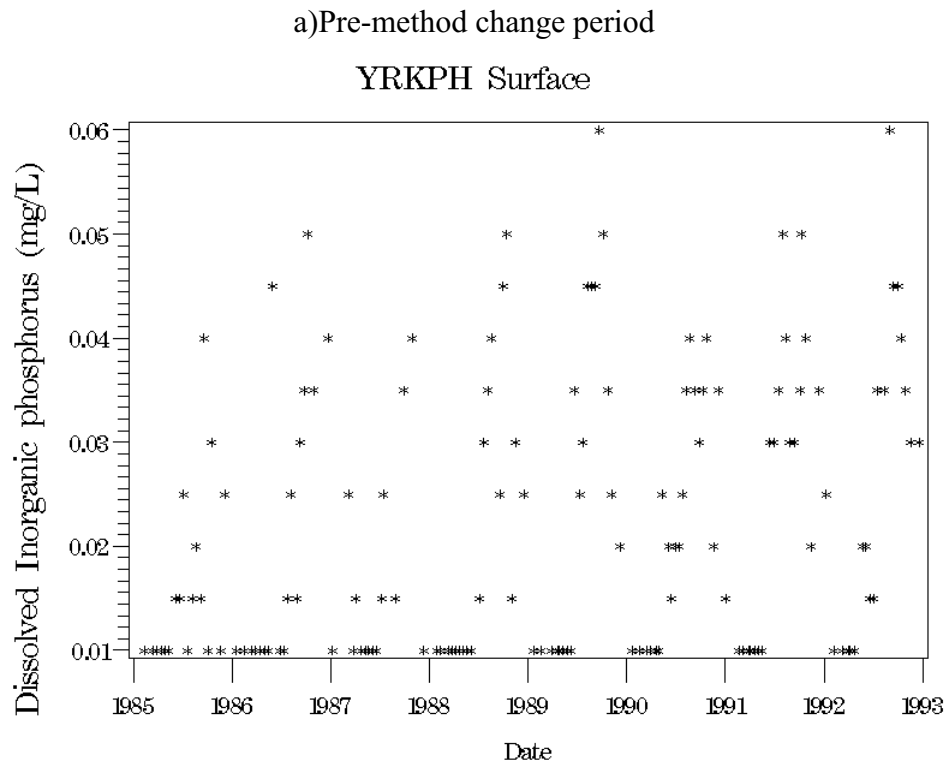


Figure 23. Scatterplots of surface dissolved inorganic phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

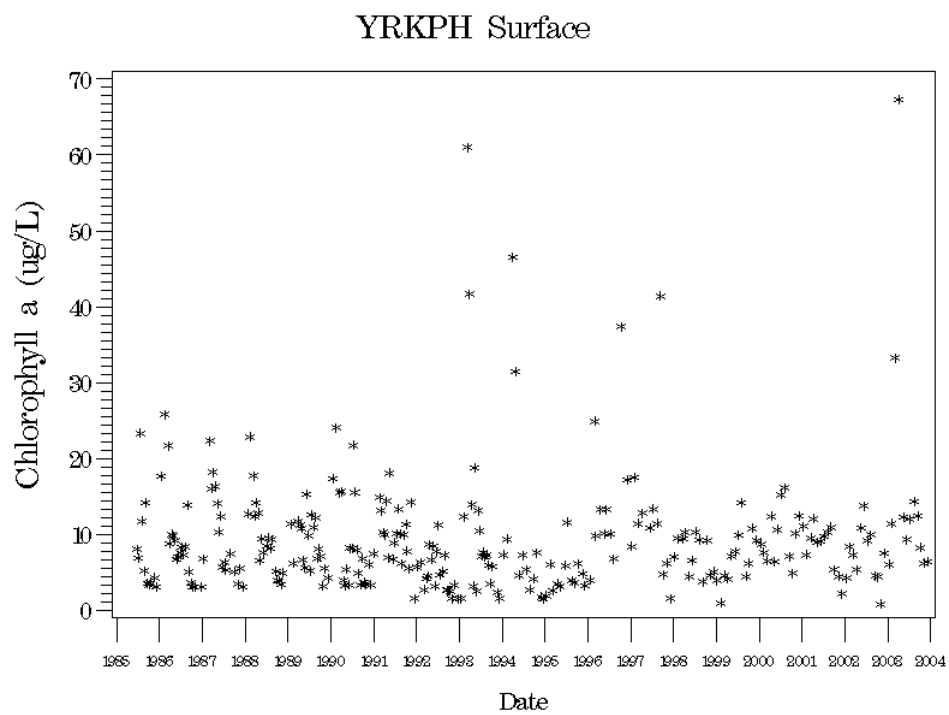


Figure 24. Scatterplot of surface chlorophyll *a* at segment YRKPH during the period 1985 to 2002.

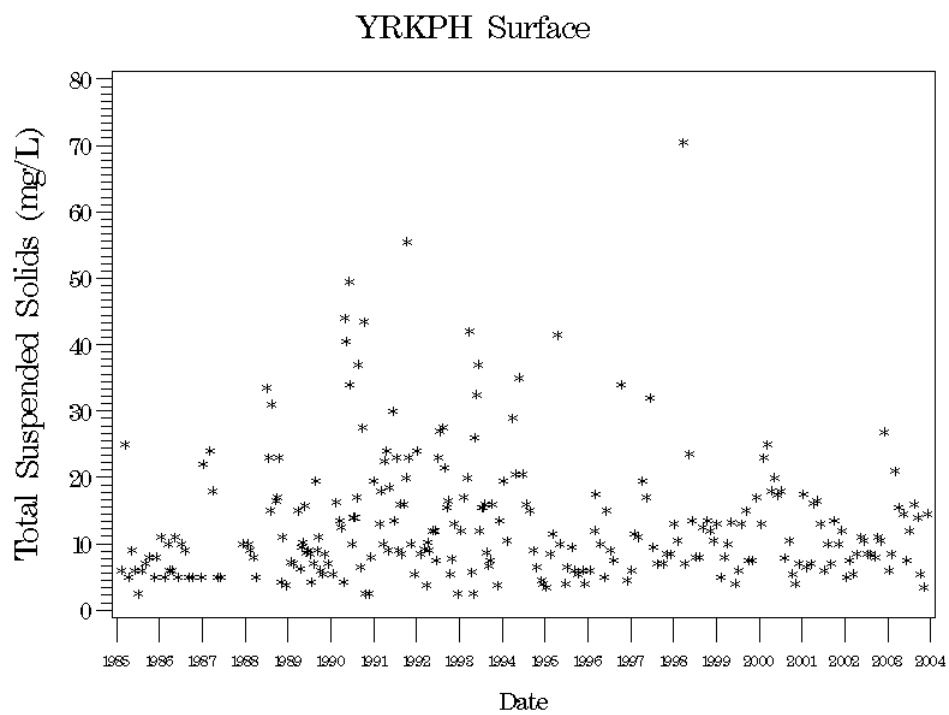


Figure 25. Scatterplot of surface total suspended solids at segment YRKPH during the period 1985 to 2002.

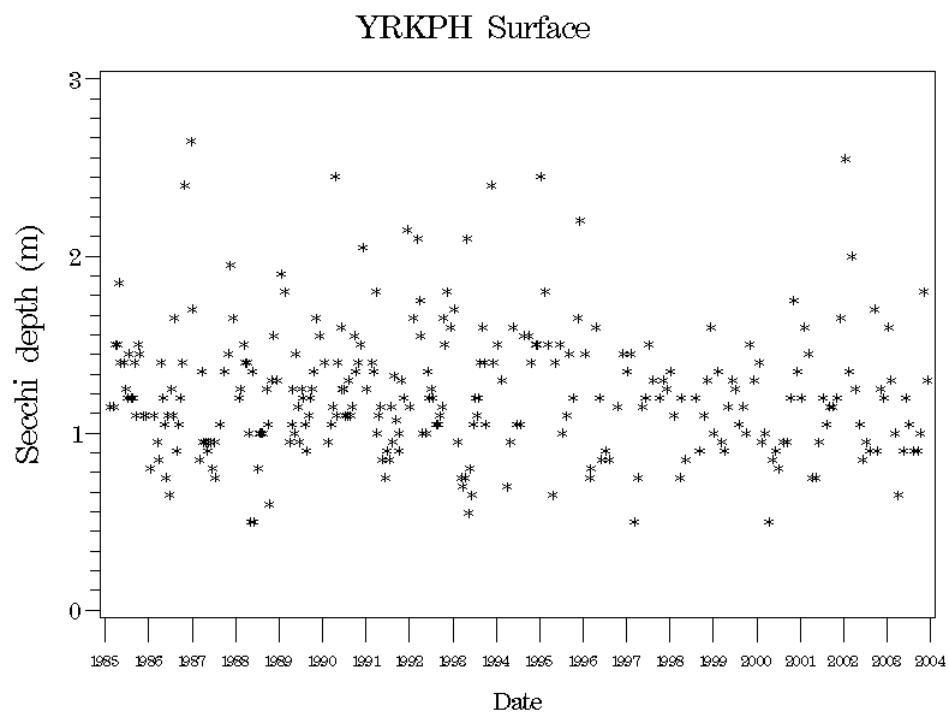


Figure 26. Scatterplot of secchi depth at segment YRKPH during the period 1985 to 2002.

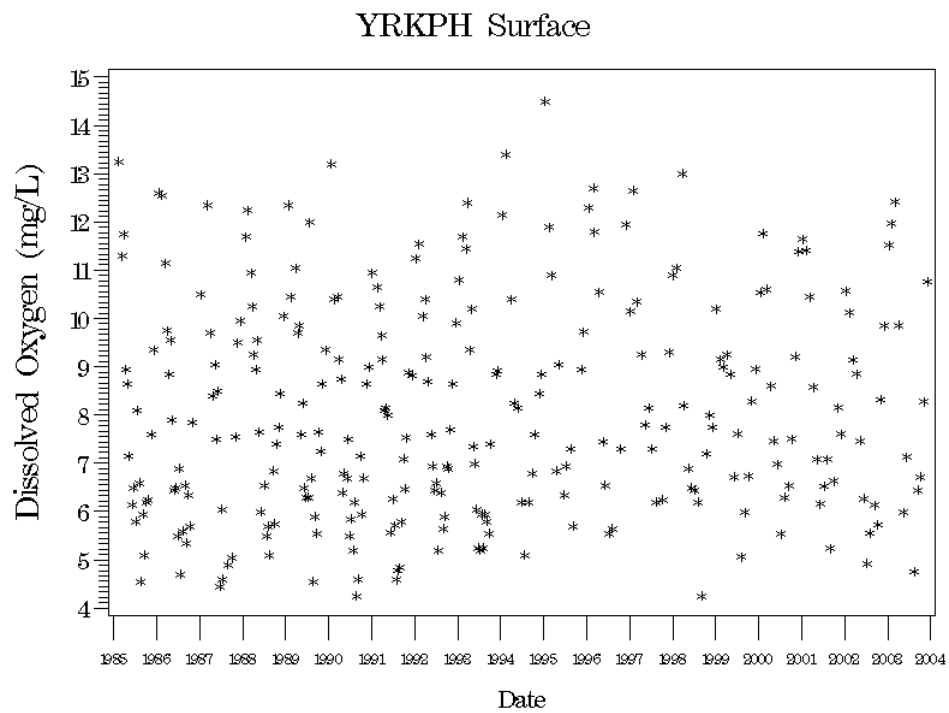


Figure 27. Scatterplot of surface dissolved oxygen at segment YRKPH during the period 1985 to 2002.



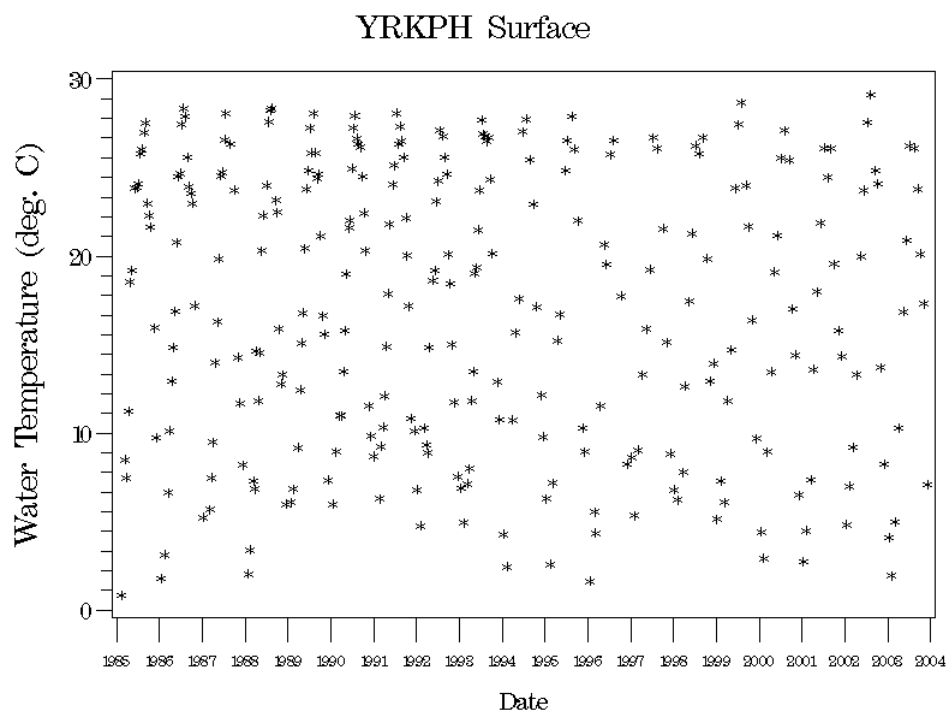


Figure 28. Scatterplot of surface water temperature at segment YRKPH during the period 1985 to 2002.

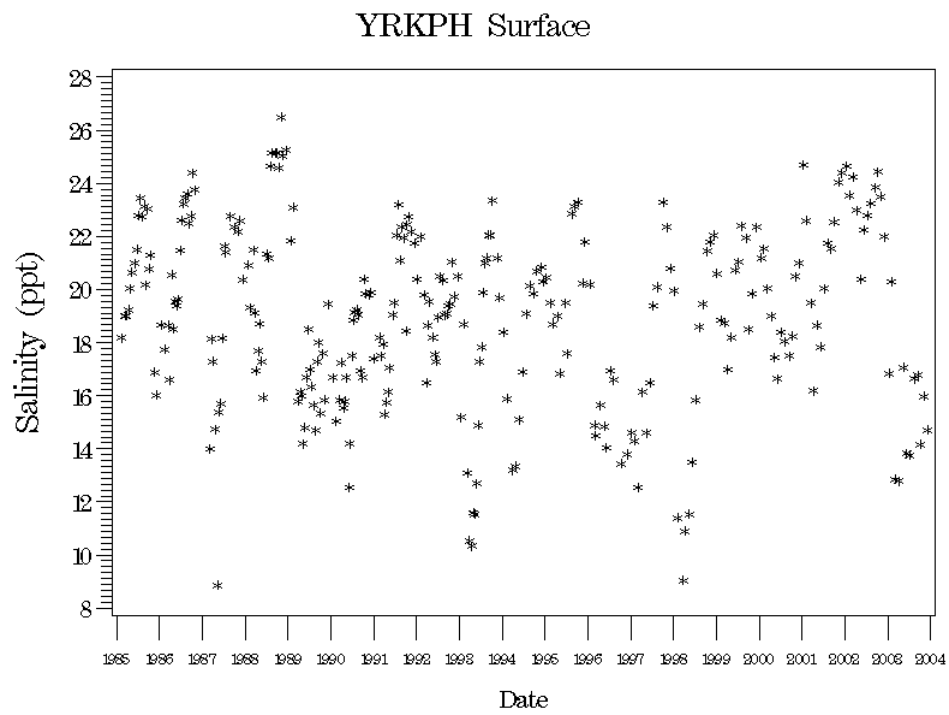
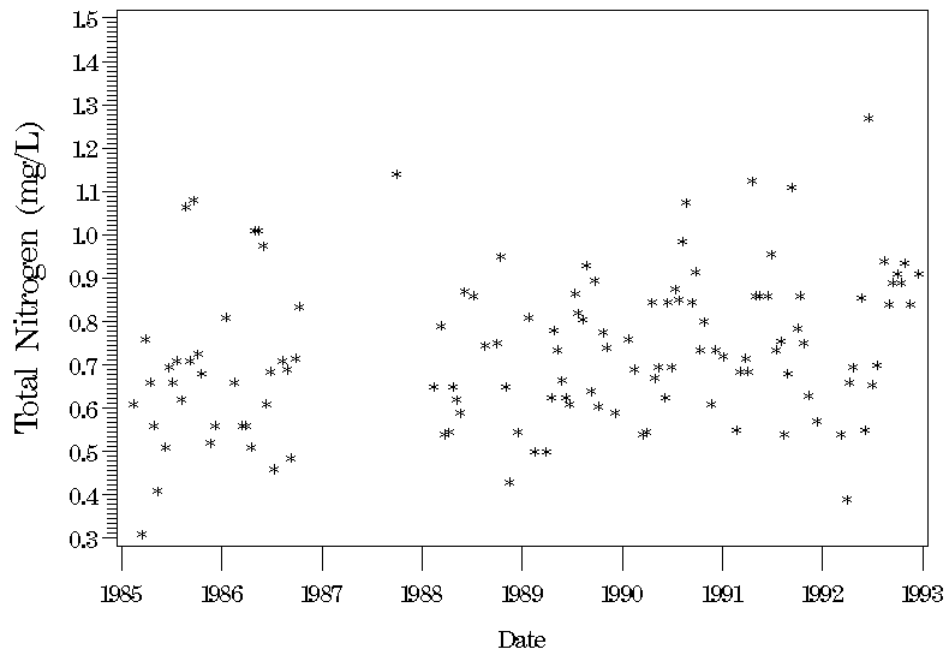


Figure 29. Scatterplot of surface salinity at segment YRKPH during the period 1985 to 2002.

a)Pre-method change period

YRKPH Bottom



b)Post-method change period

YRKPH Bottom

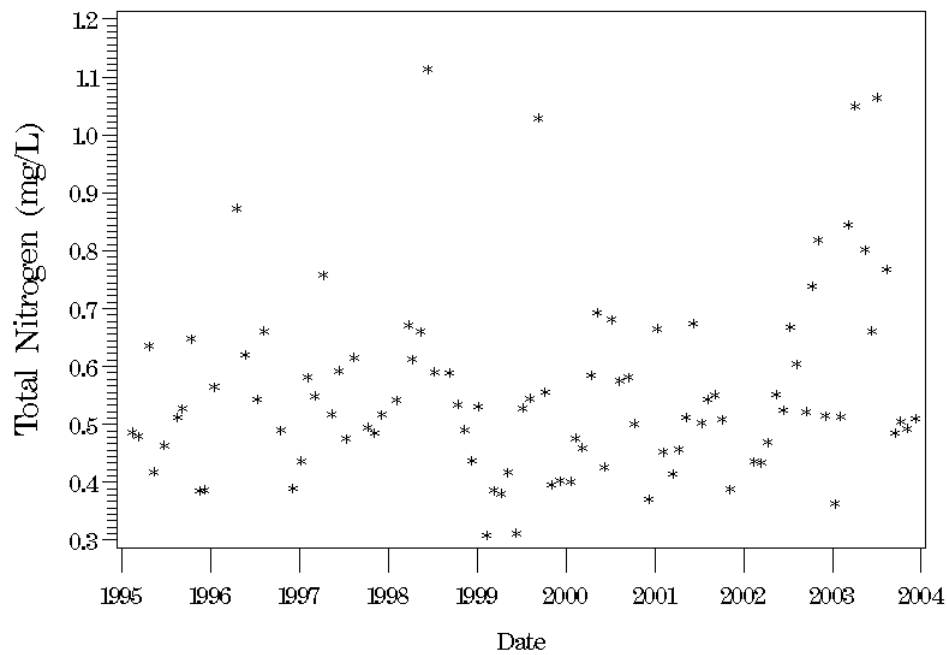


Figure 30. Scatterplots of bottom total nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

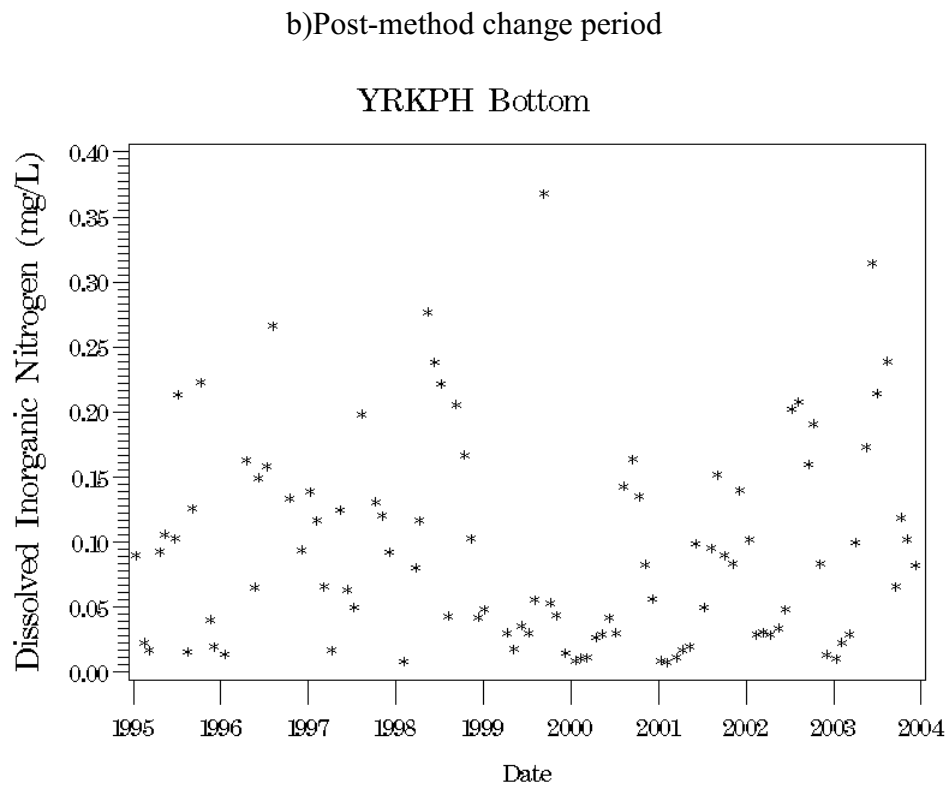
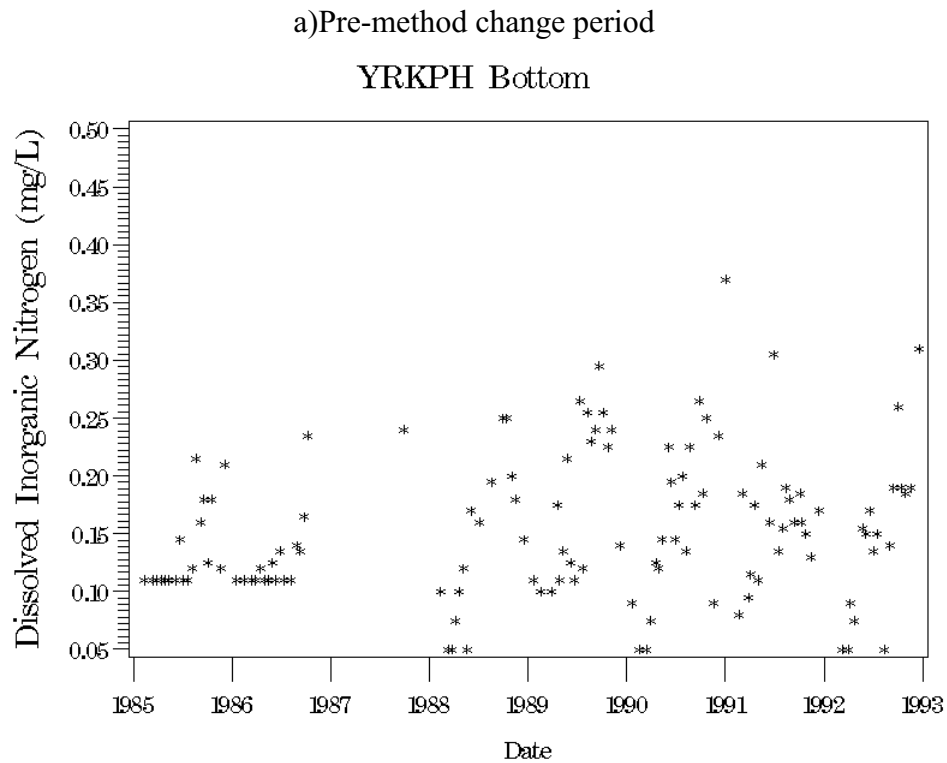
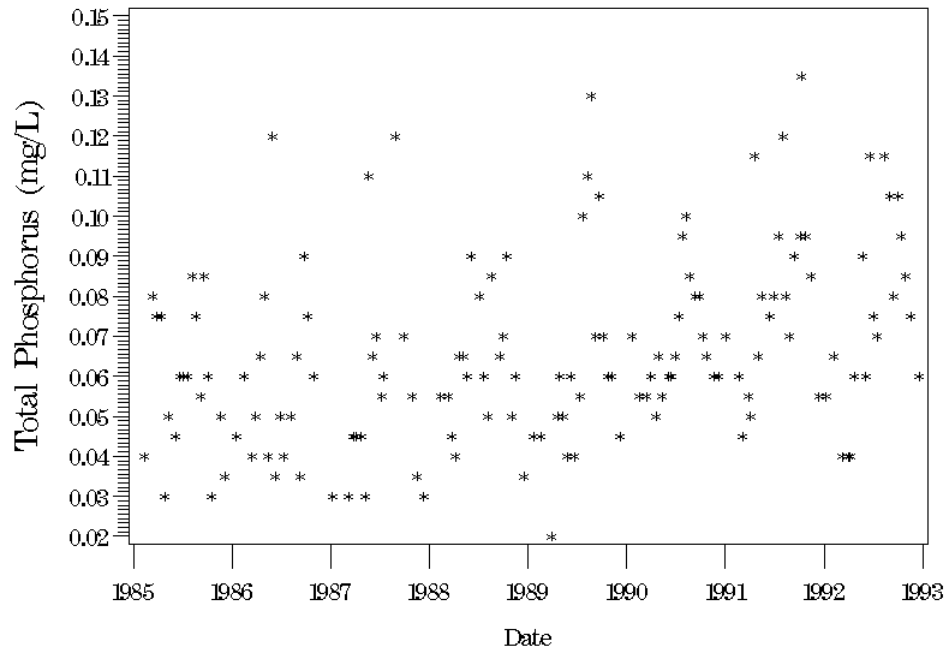


Figure 31. Scatterplots of bottom dissolved inorganic nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

a)Pre-method change period

YRKPH Bottom



b)Post-method change period

YRKPH Bottom

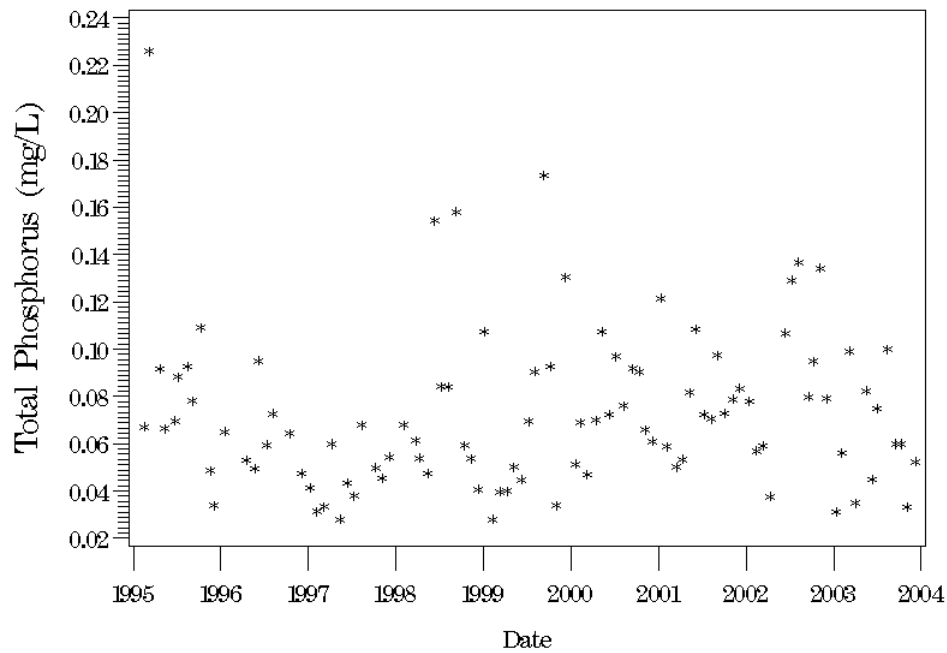


Figure 32. Scatterplots of bottom total phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

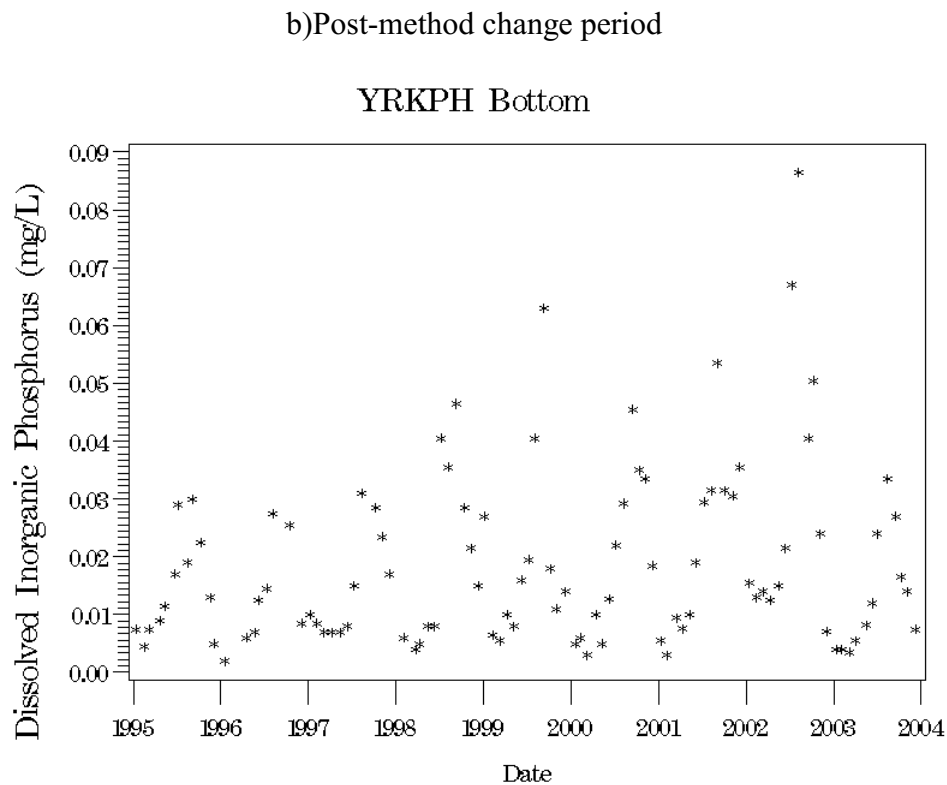
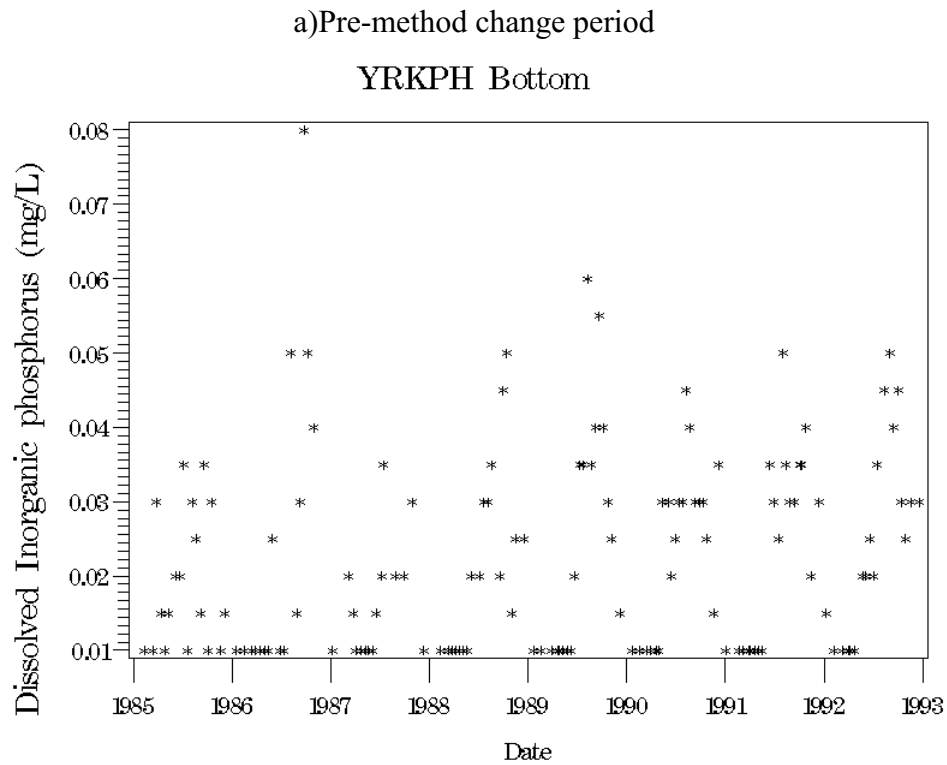


Figure 33. Scatterplots of bottom dissolved inorganic phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

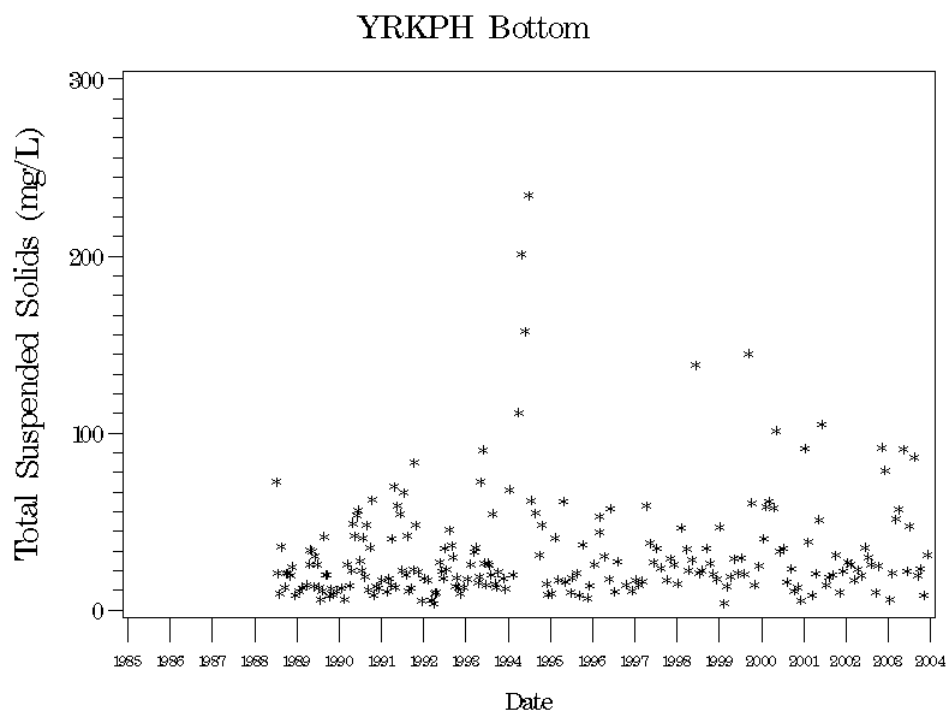


Figure 34. Scatterplot of bottom total suspended solids at segment YRKPH during the period 1985 to 2002.

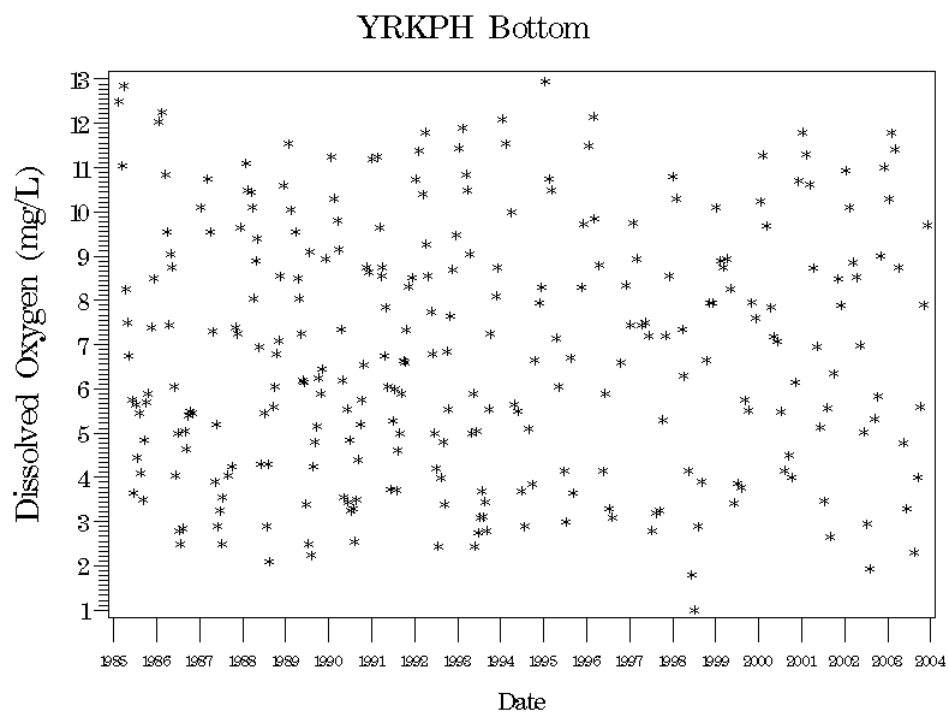


Figure 35. Scatterplot of bottom dissolved oxygen at segment YRKPH during the period 1985 to 2002.



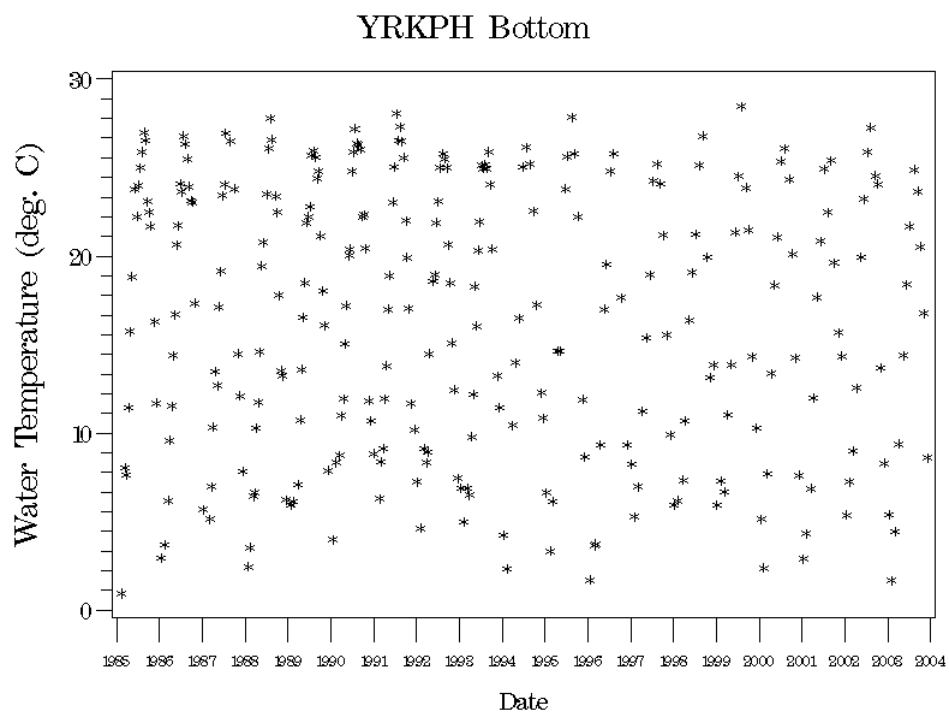


Figure 36. Scatterplot of bottom water temperature at segment YRKPH during the period 1985 to 2002.

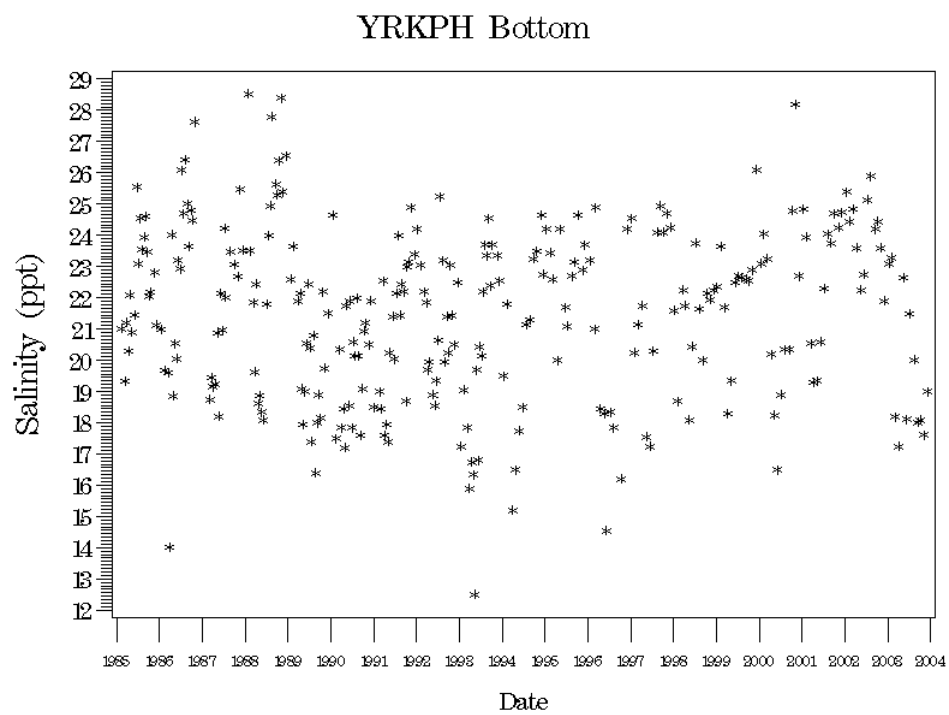


Figure 37. Scatterplot of bottom salinity at segment YRKPH during the period 1985 to 2002.

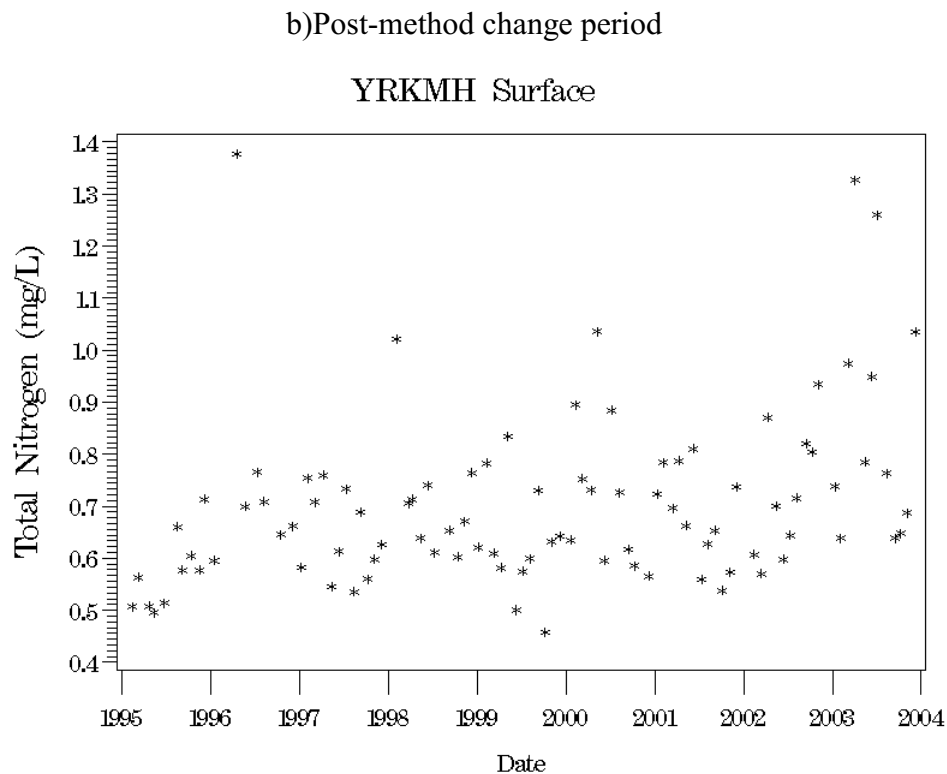
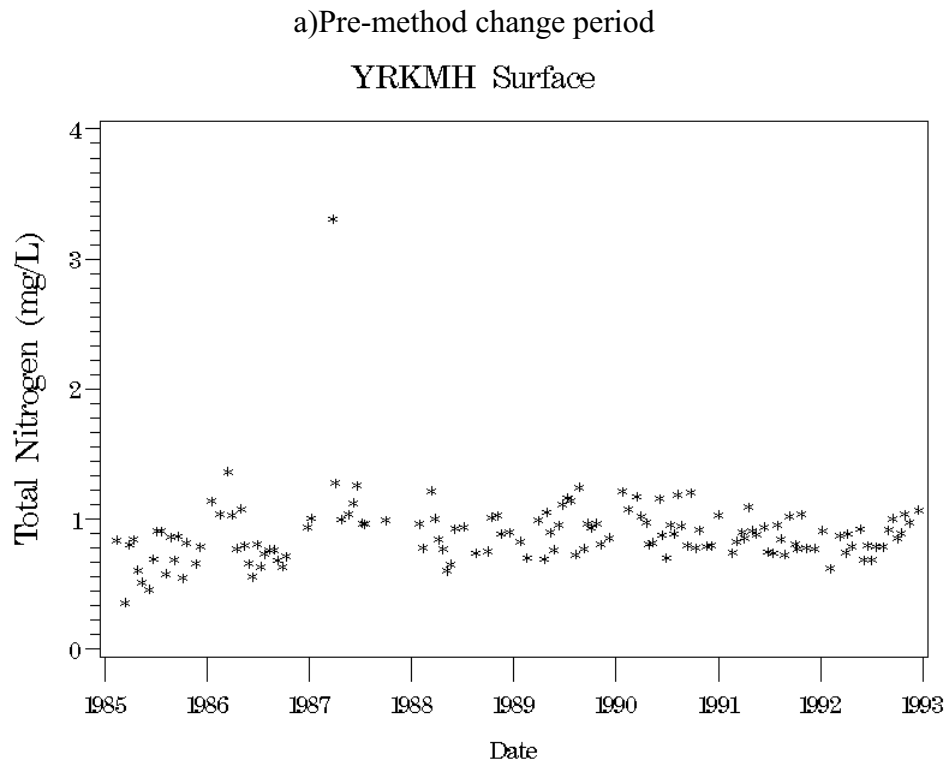


Figure 38. Scatterplots of surface total nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

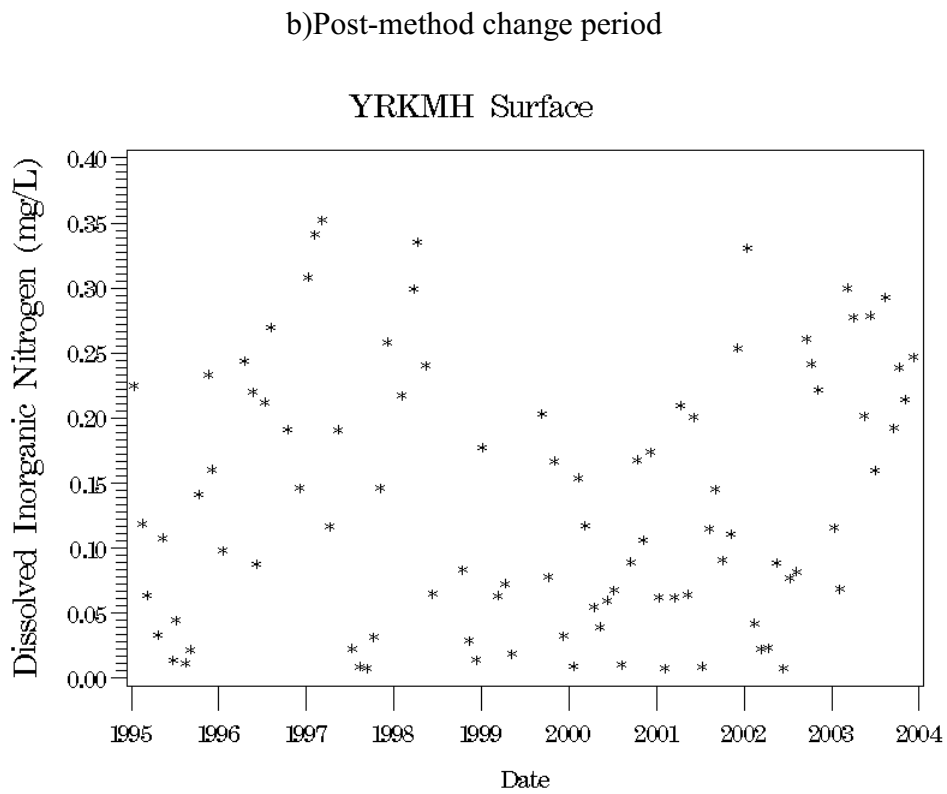
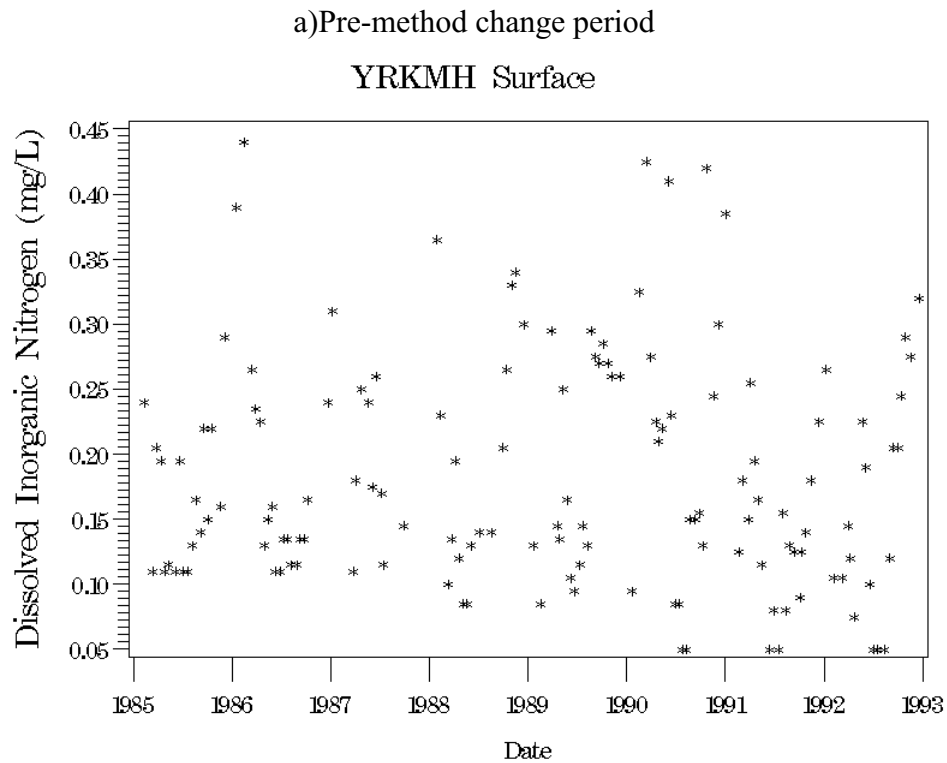


Figure 39. Scatterplots of surface dissolved inorganic nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

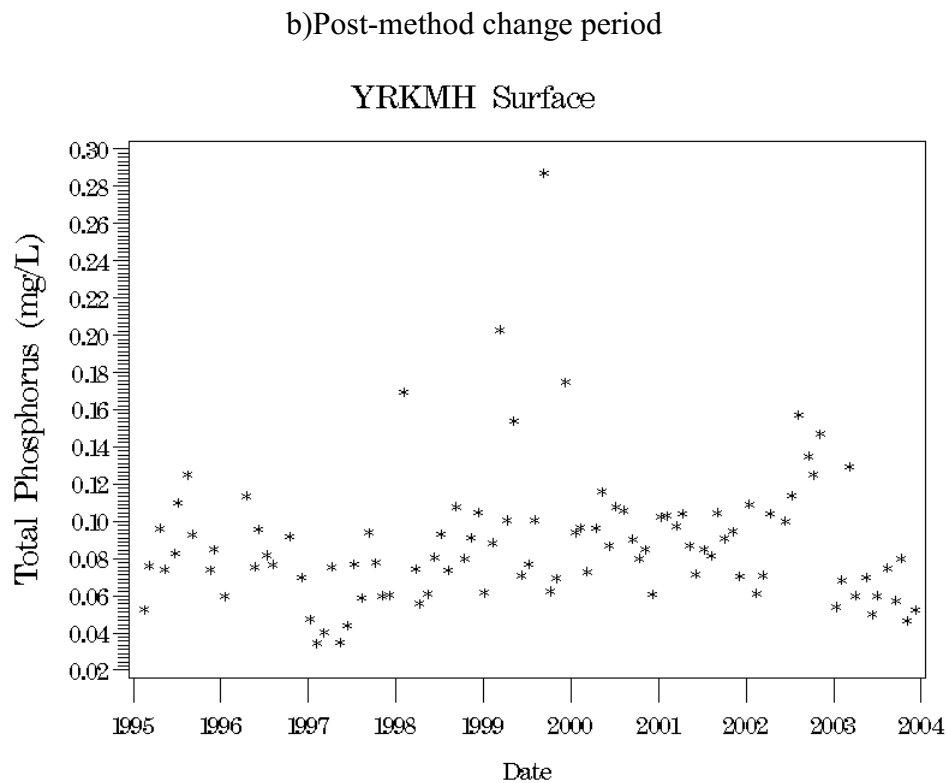
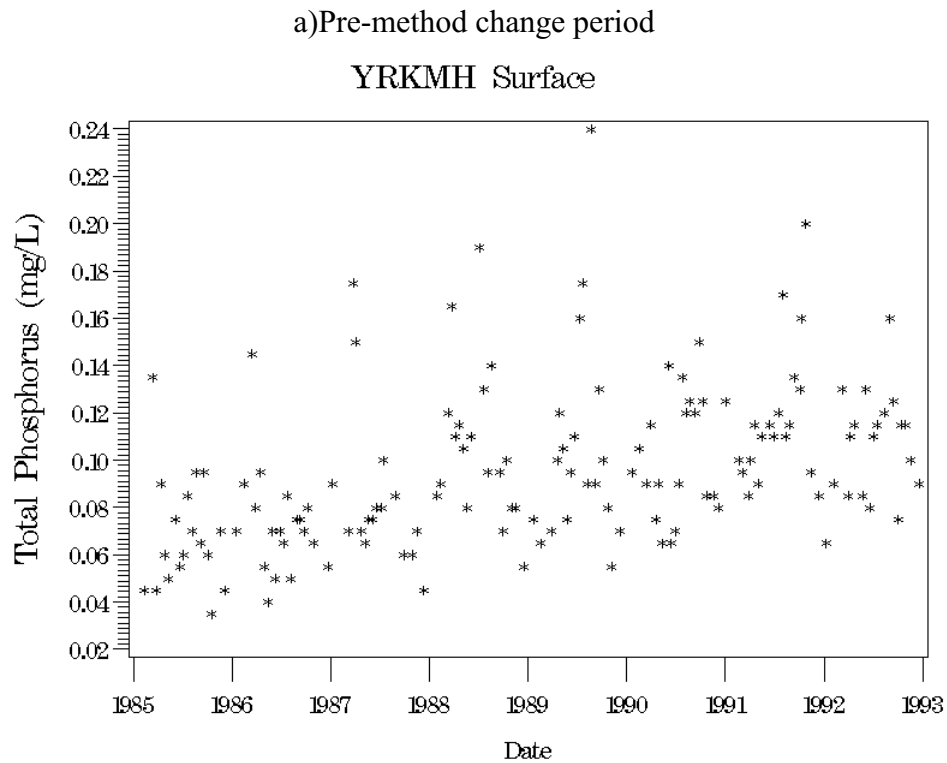


Figure 40. Scatterplots of surface total phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

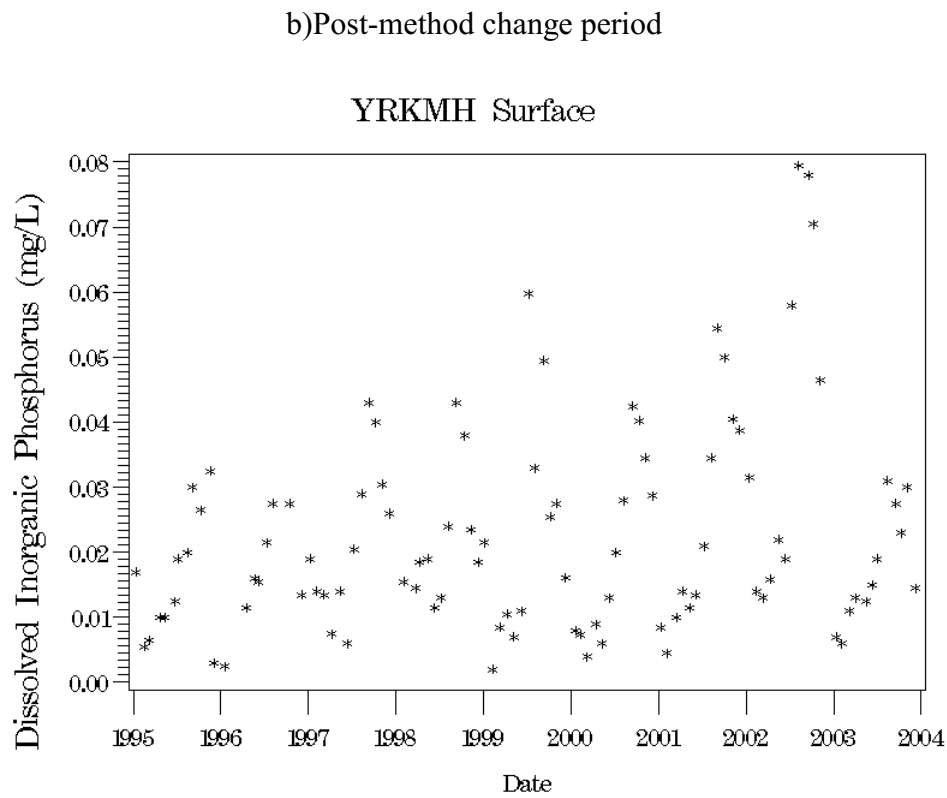
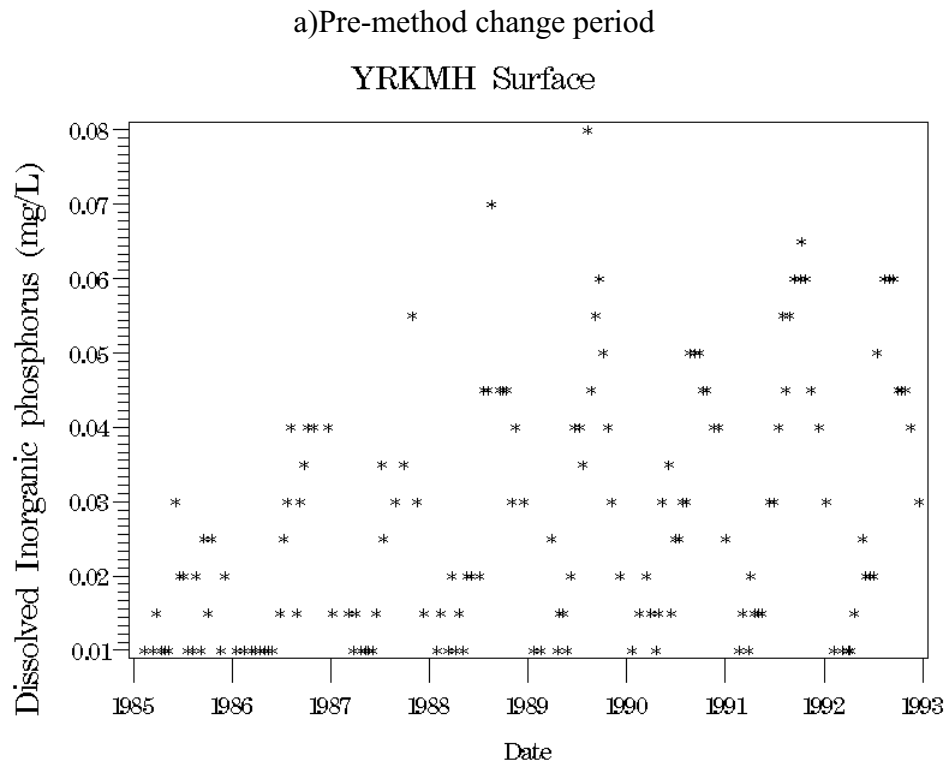


Figure 41. Scatterplots of surface dissolved inorganic phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

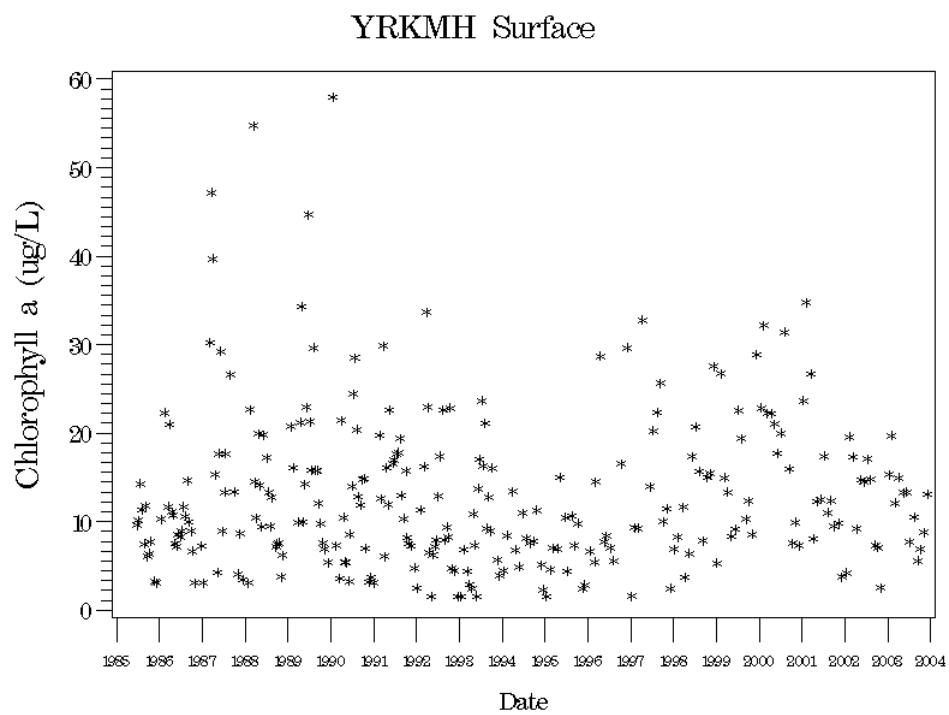


Figure 42. Scatterplot of surface chlorophyll *a* at segment YRKMH during the period 1985 to 2002.

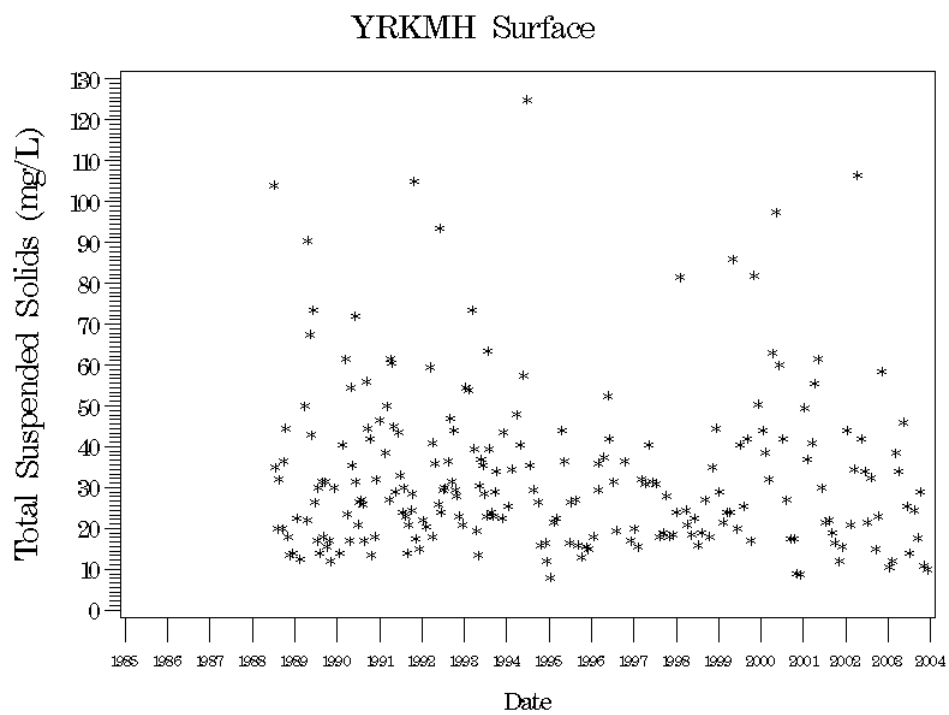


Figure 43. Scatterplot of surface total suspended solids at segment YRKMH during the period 1985 to 2002.



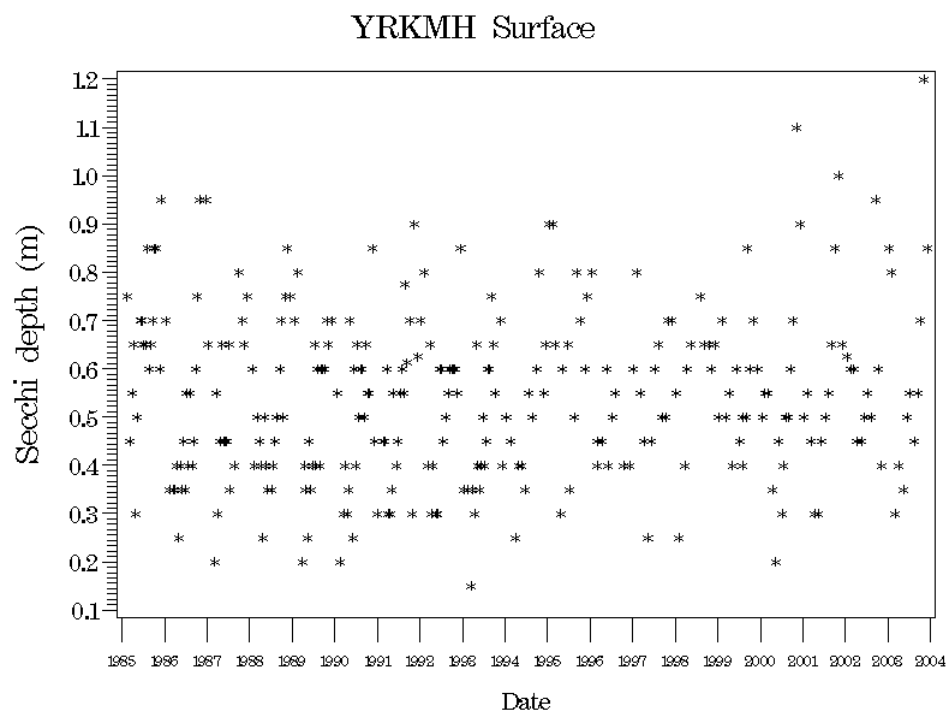


Figure 44. Scatterplot of secchi depth at segment YRKMH during the period 1985 to 2002.

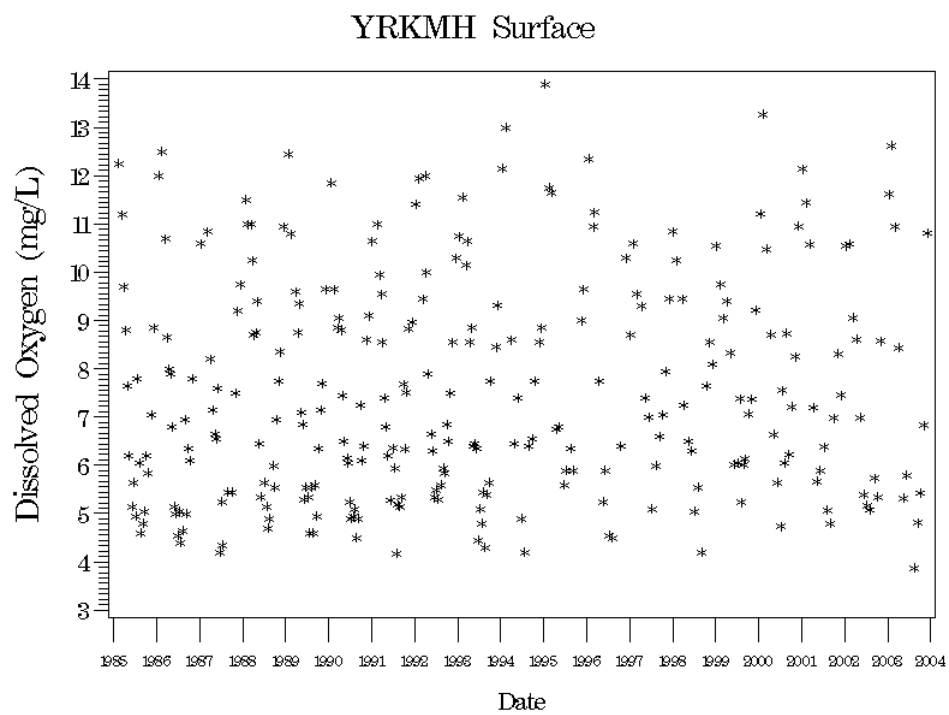


Figure 45. Scatterplot of surface dissolved oxygen at segment YRKMH during the period 1985 to 2002.

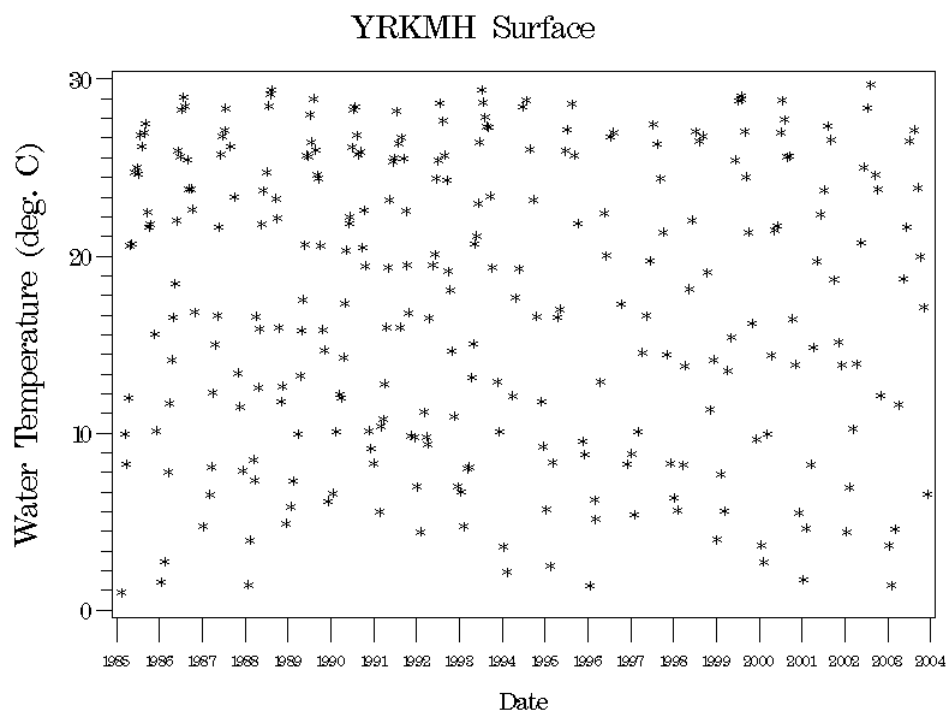


Figure 46. Scatterplot of surface water temperature at segment YRKMH during the period 1985 to 2002.

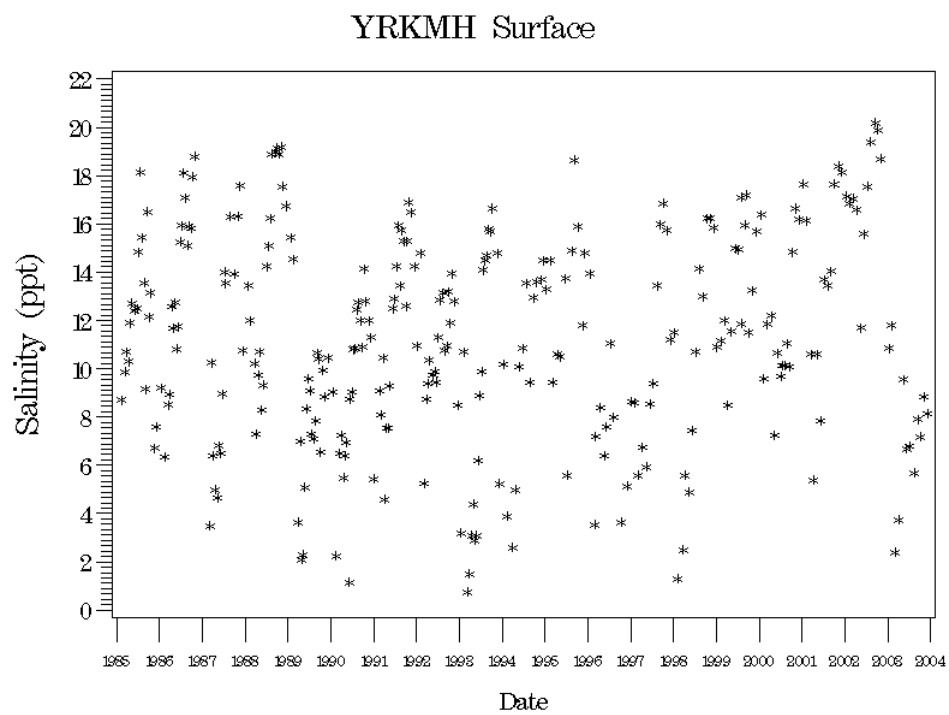


Figure 47. Scatterplot of surface salinity at segment YRKMH during the period 1985 to 2002.

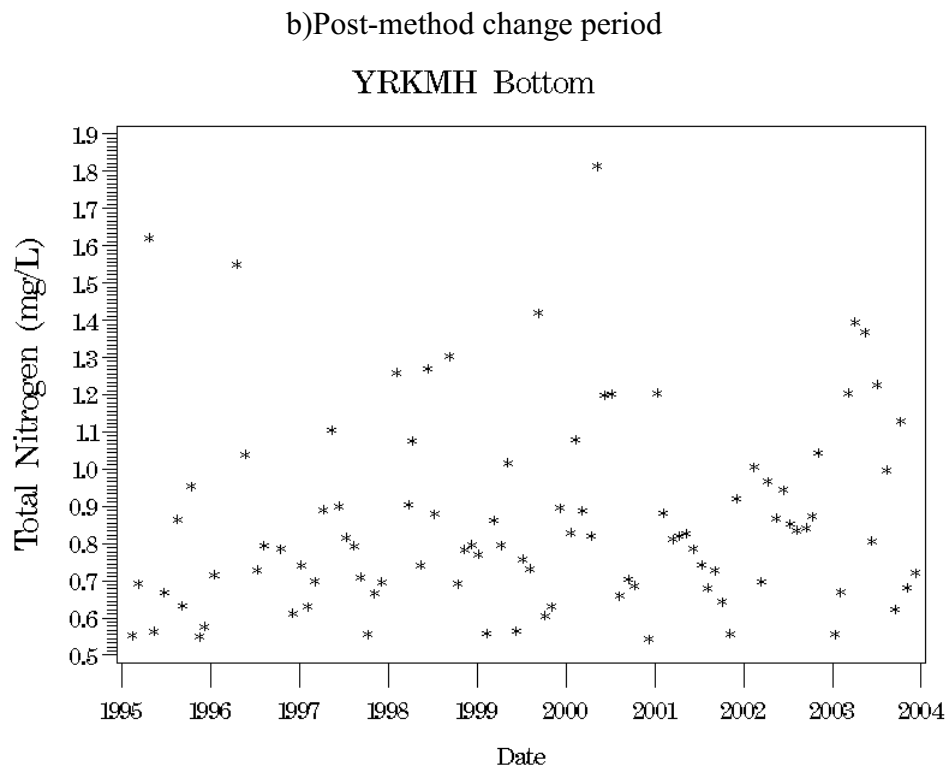
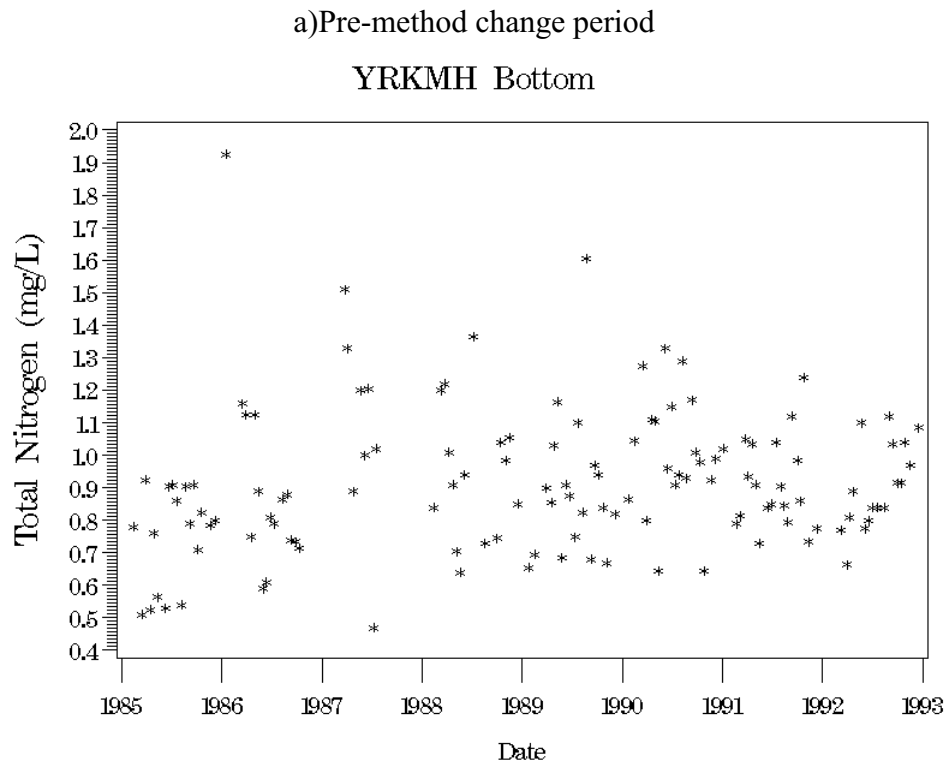
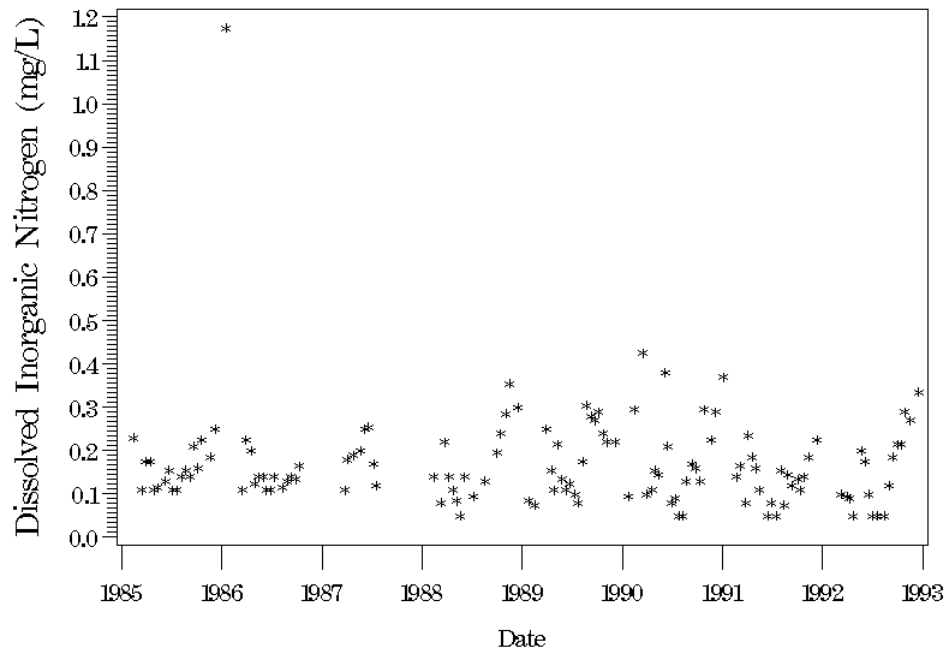


Figure 48. Scatterplots of bottom total nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

a)Pre-method change period

YRKMH Bottom



b)Post-method change period

YRKMH Bottom

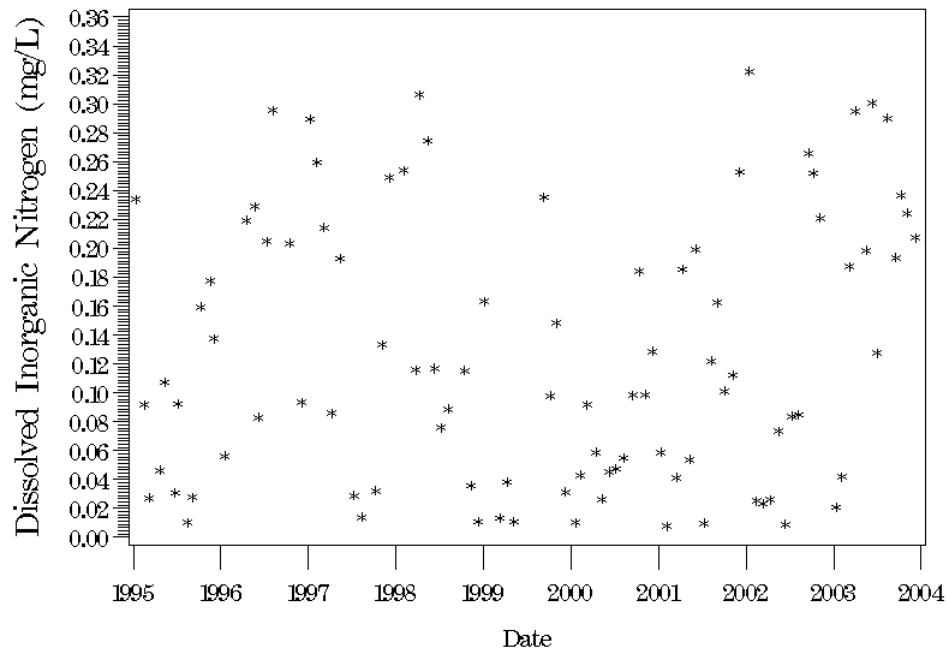


Figure 49. Scatterplots of bottom dissolved inorganic nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

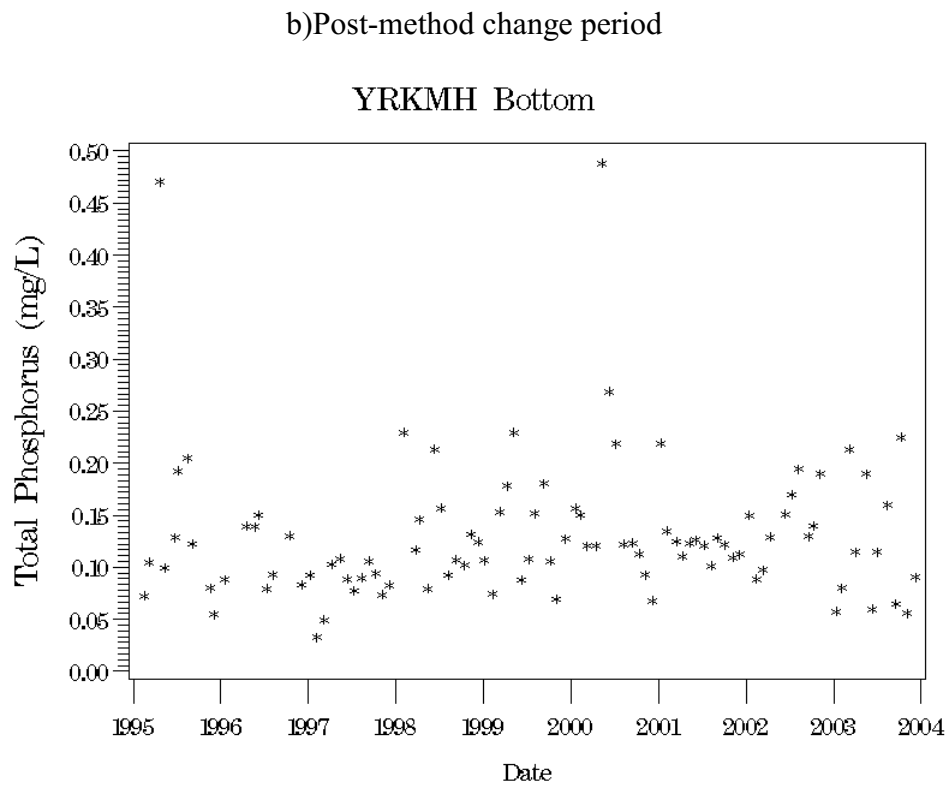
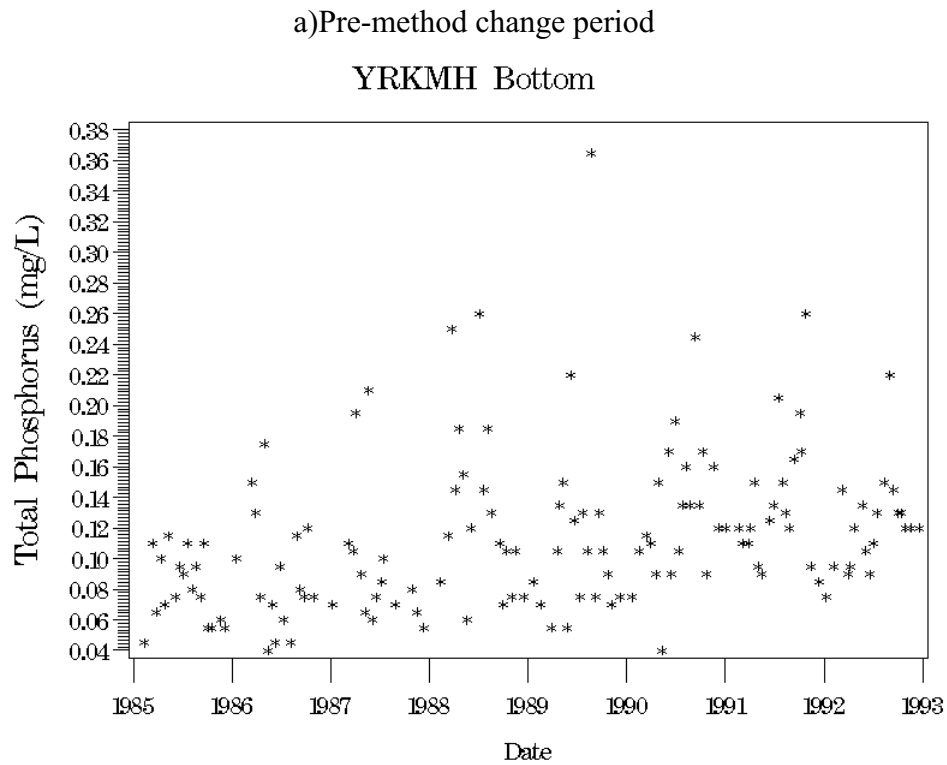


Figure 50. Scatterplots of bottom total phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

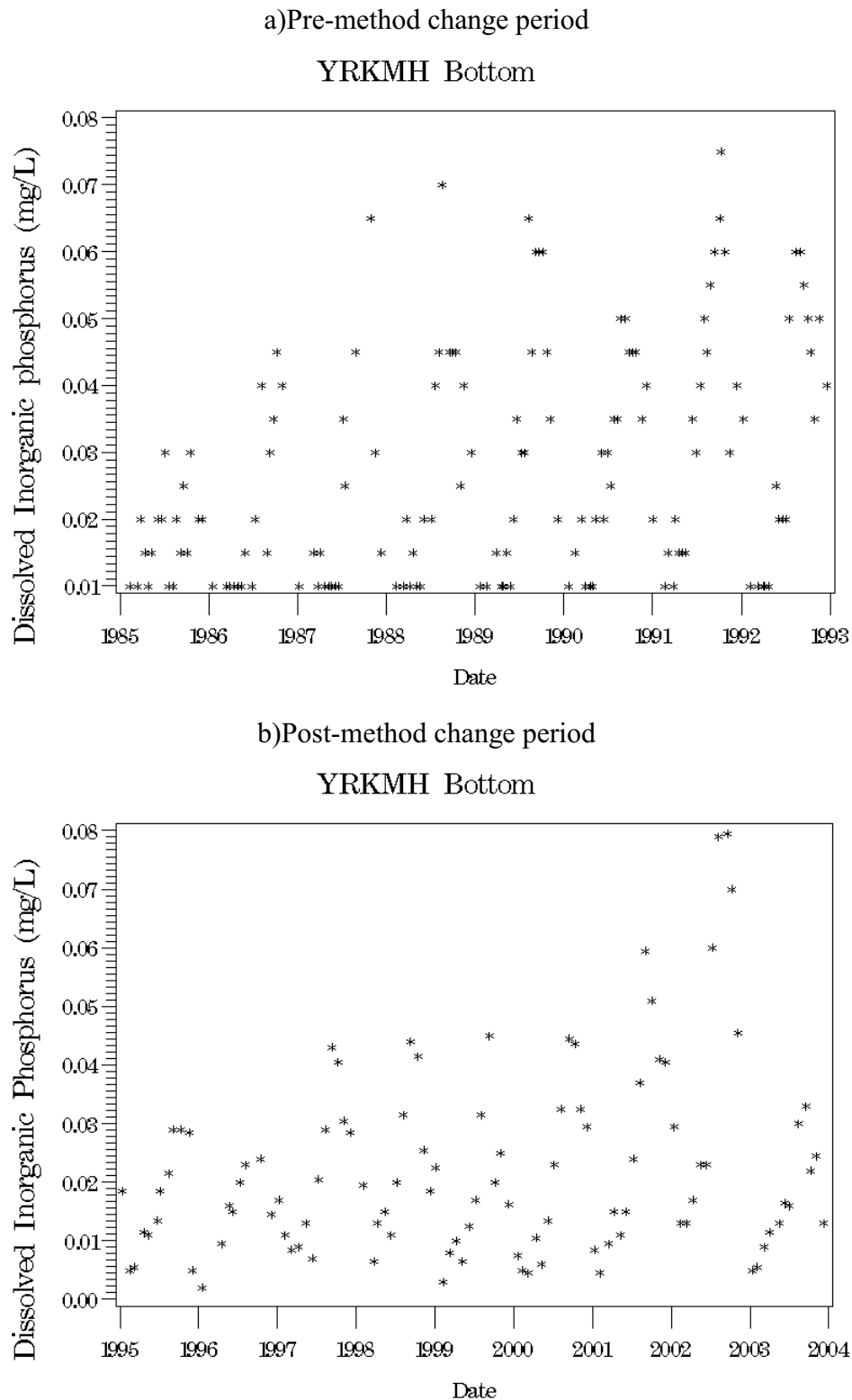


Figure 51. Scatterplots of bottom dissolved inorganic phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.



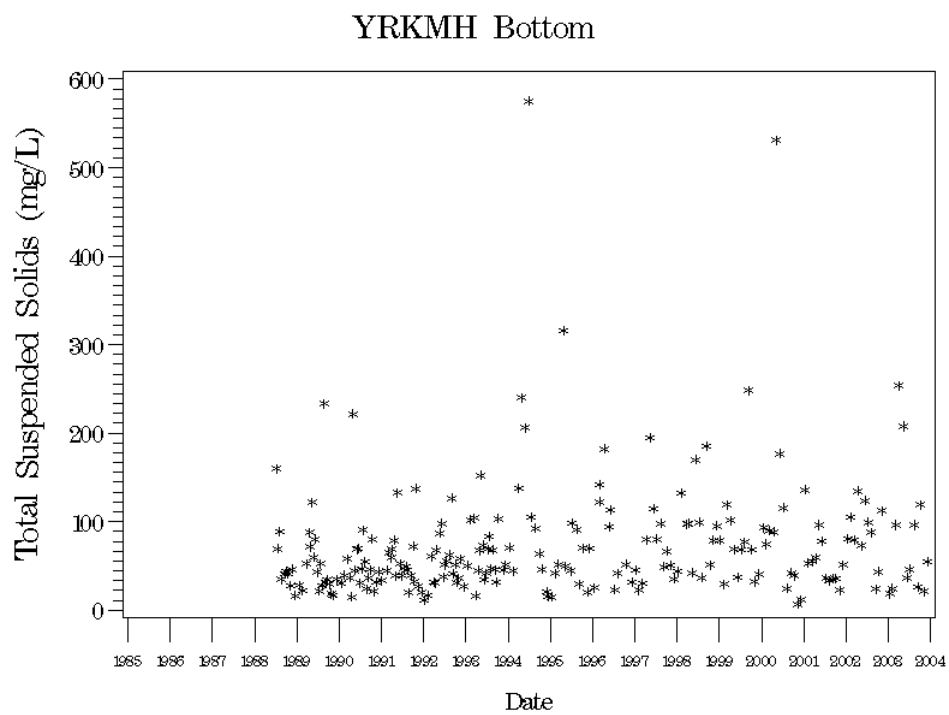


Figure 52. Scatterplot of bottom total suspended solids at segment YRKMH during the period 1985 to 2002.

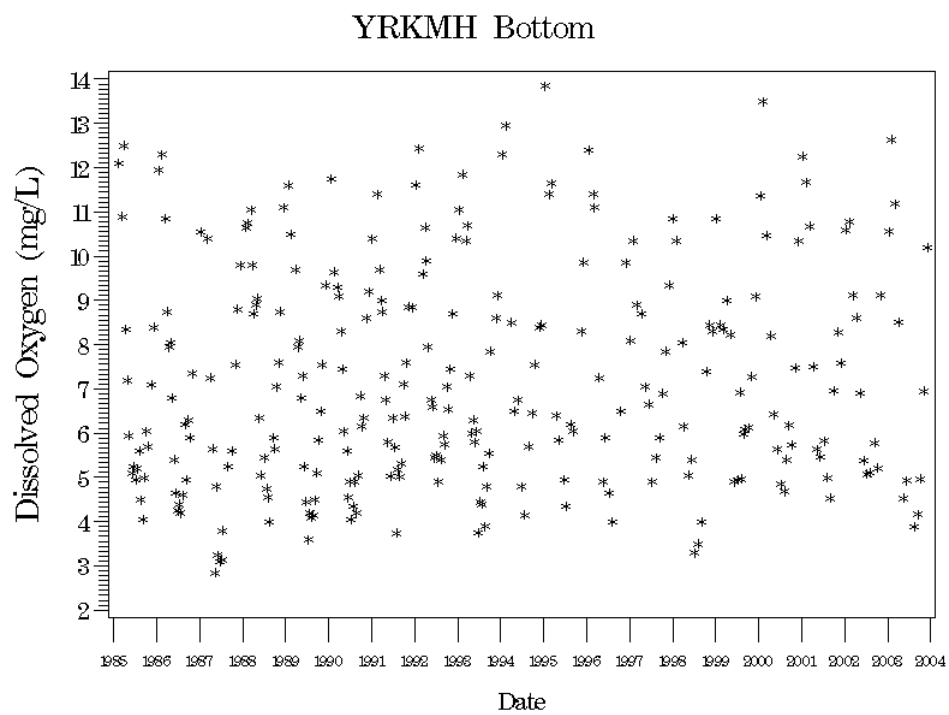


Figure 53. Scatterplot of bottom dissolved oxygen at segment YRKMH during the period 1985 to 2002.

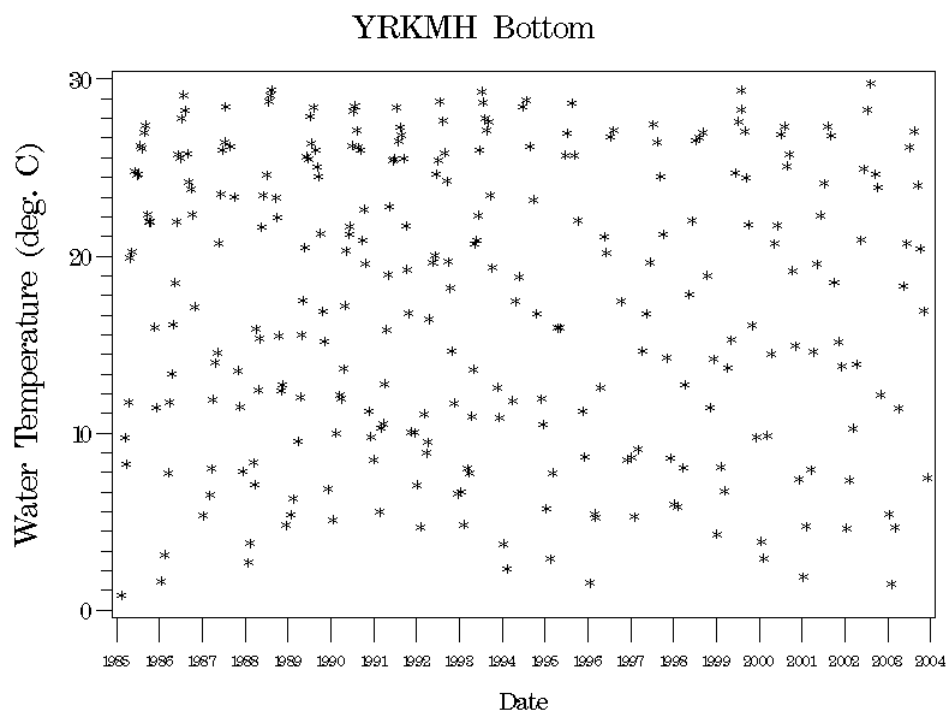


Figure 54. Scatterplot of bottom water temperature at segment YRKMH during the period 1985 to 2002.

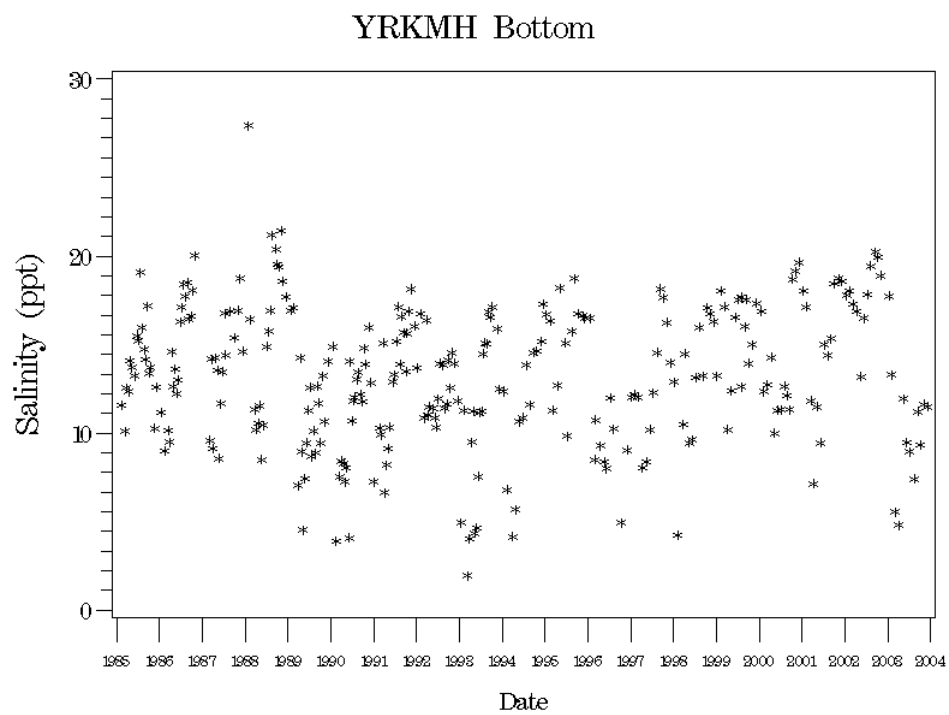
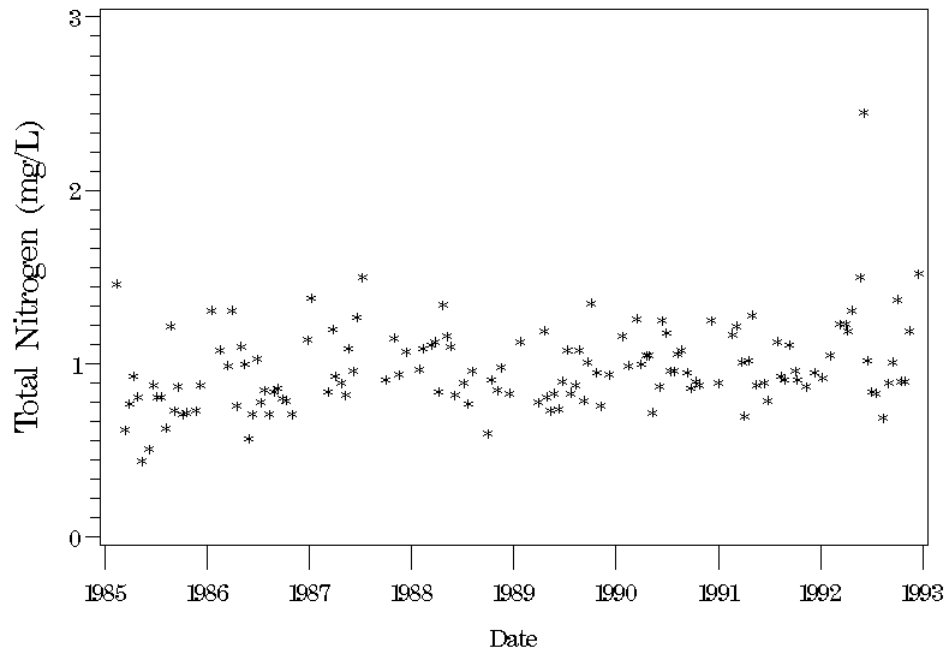


Figure 55. Scatterplot of bottom salinity at segment YRKMH during the period 1985 to 2002.

a)Pre-method change period

PMKOH Surface



b)Post-method change period

PMKOH Surface

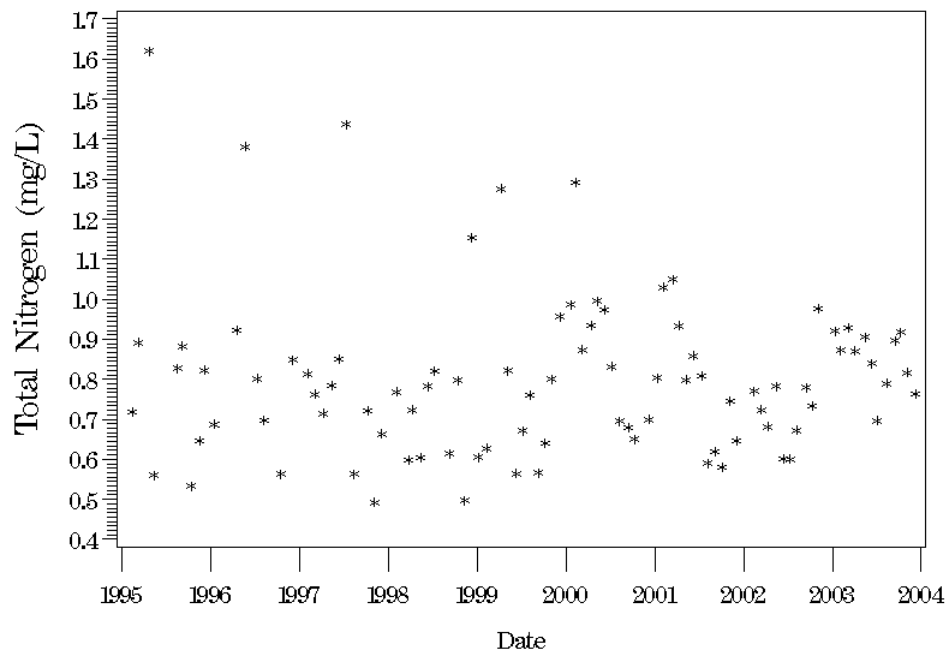


Figure 56. Scatterplots of surface total nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

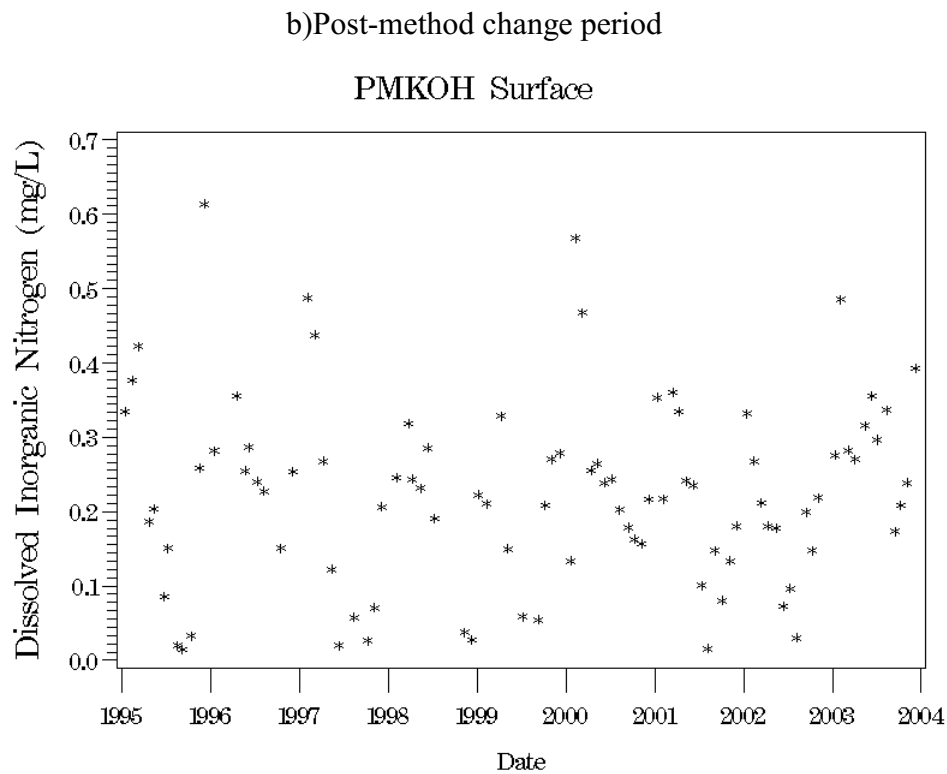
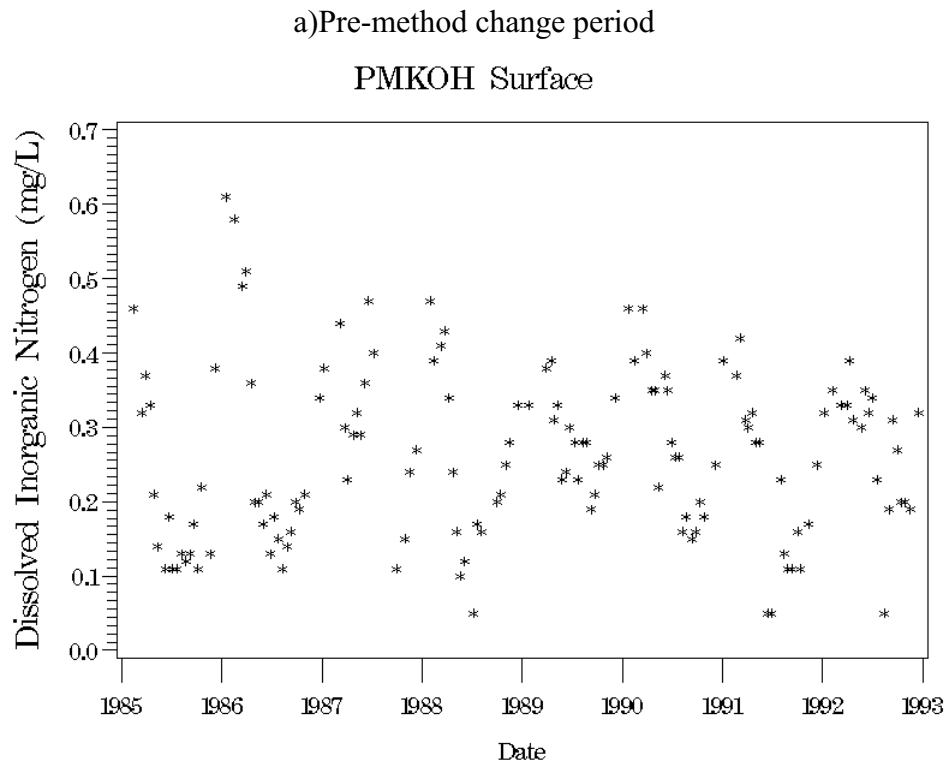


Figure 57. Scatterplots of surface dissolved inorganic nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

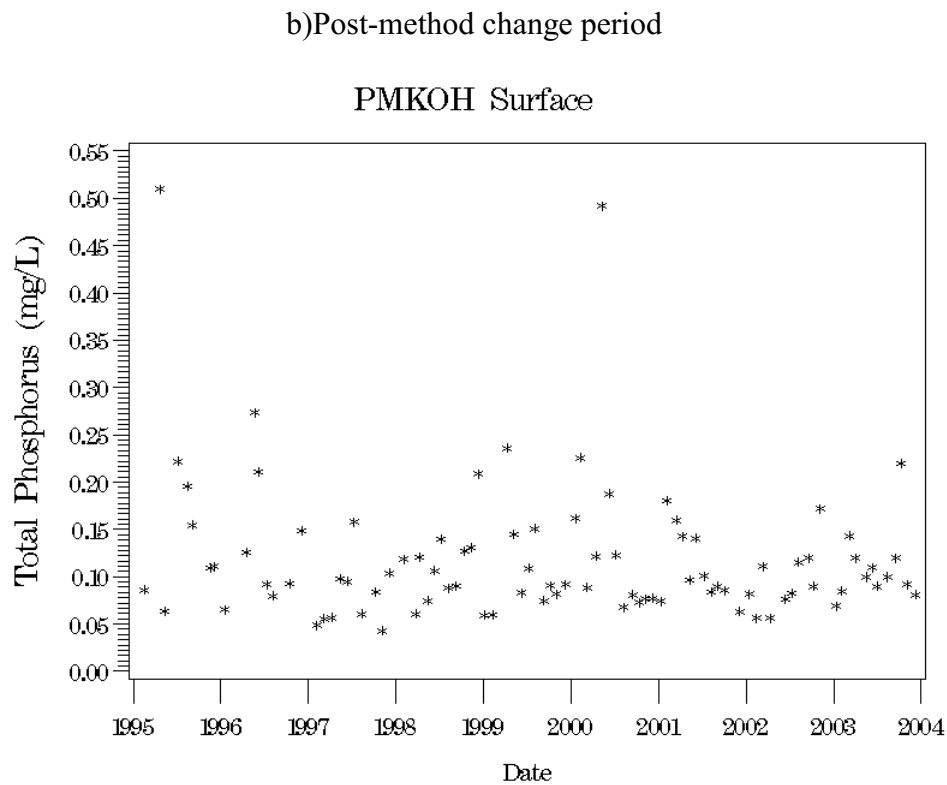
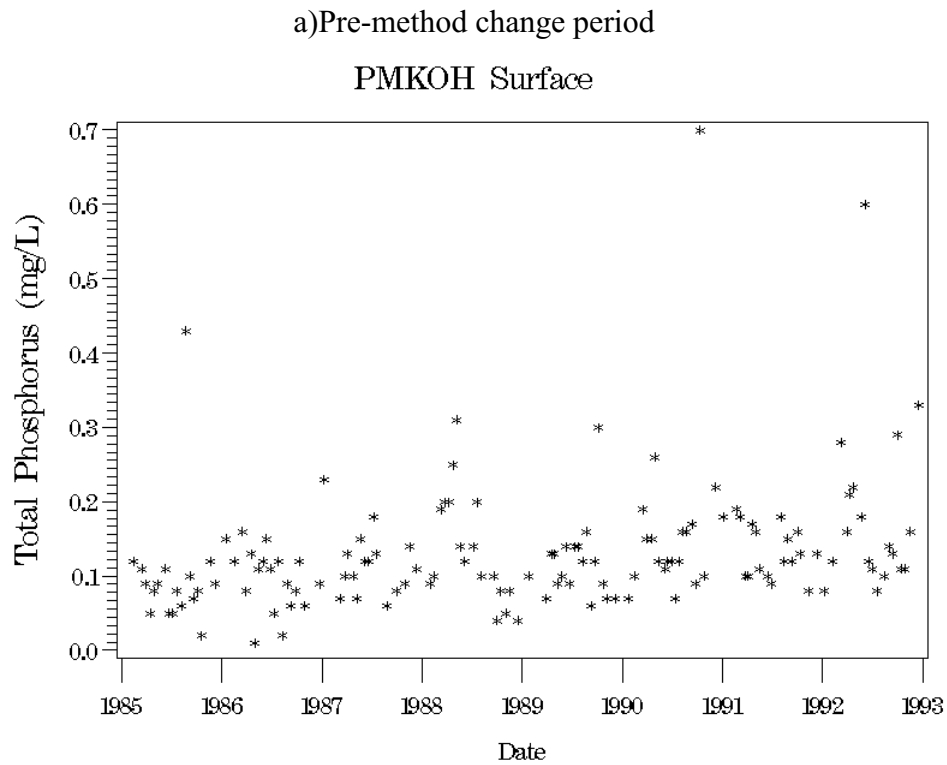


Figure 58. Scatterplots of surface total phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

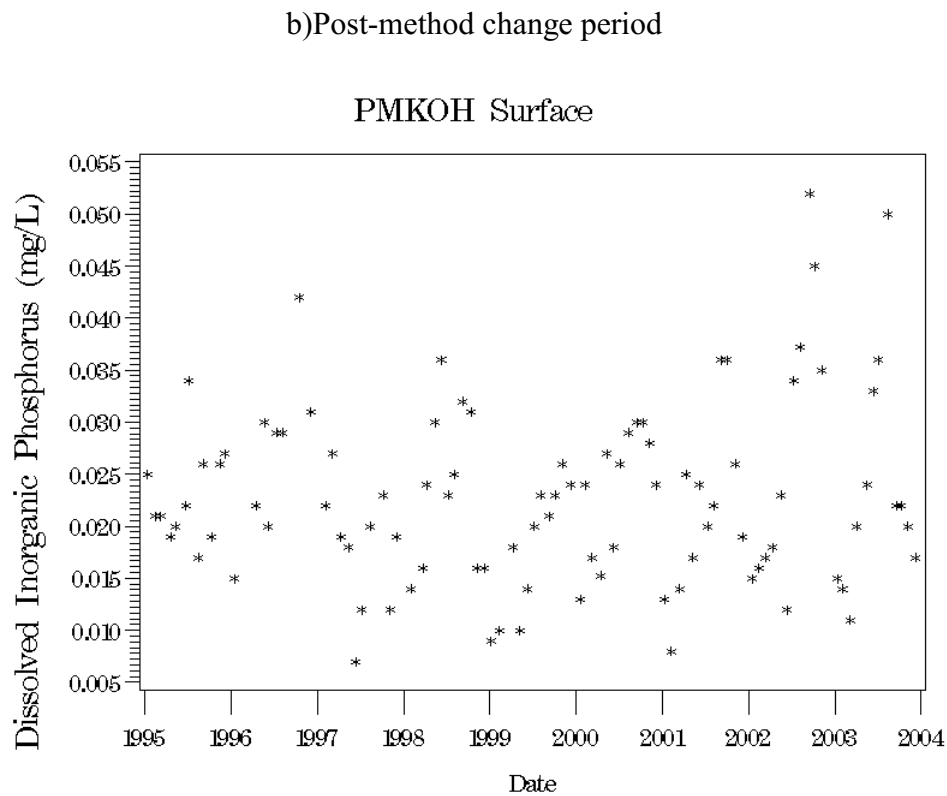
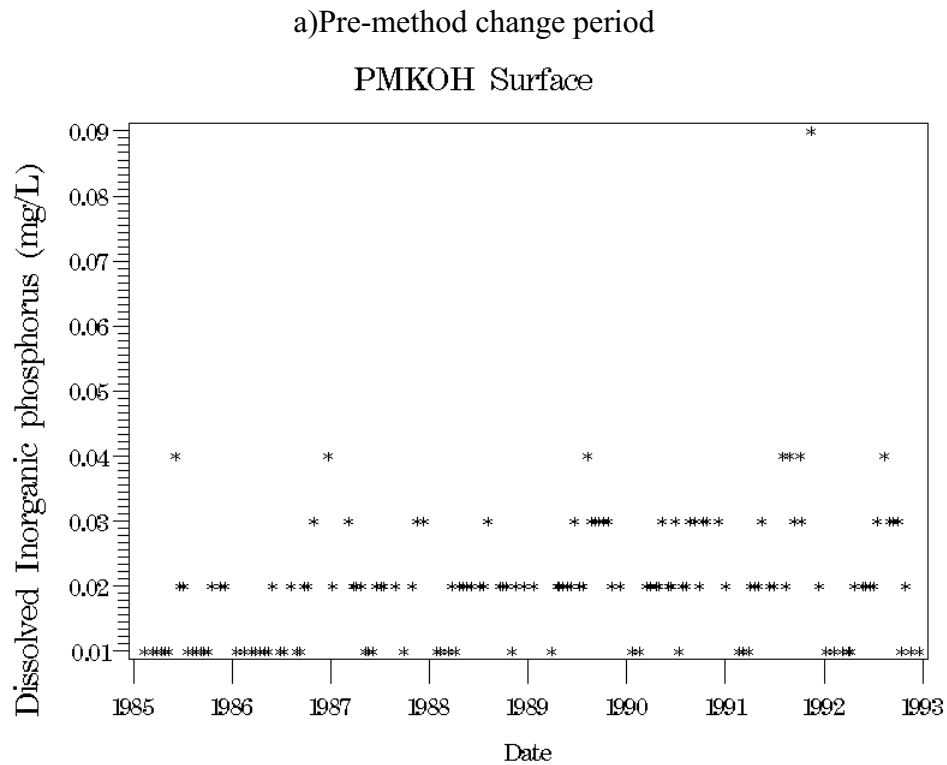


Figure 59. Scatterplots of surface dissolved inorganic phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.



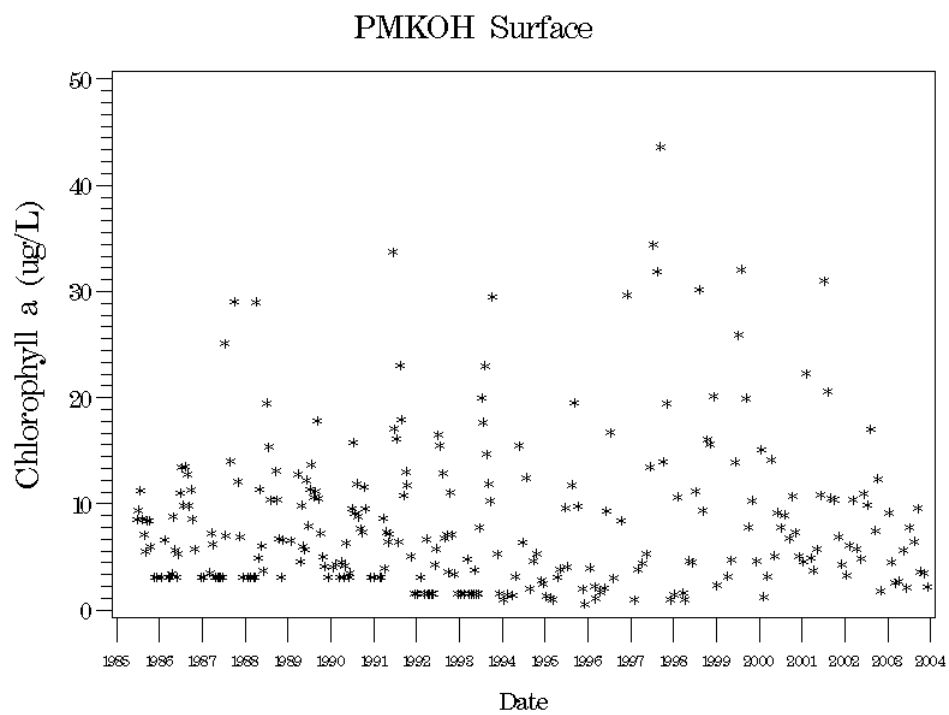


Figure 60. Scatterplot of surface chlorophyll *a* at segment PMKOH during the period 1985 to 2002.

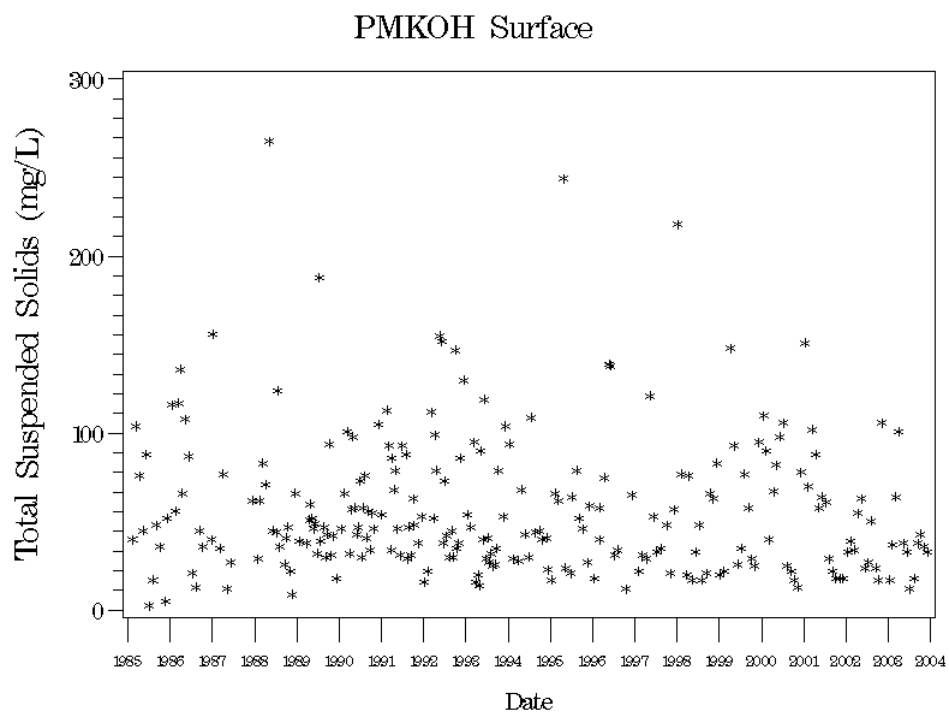


Figure 61. Scatterplot of surface total suspended solids at segment PMKOH during the period 1985 to 2002.

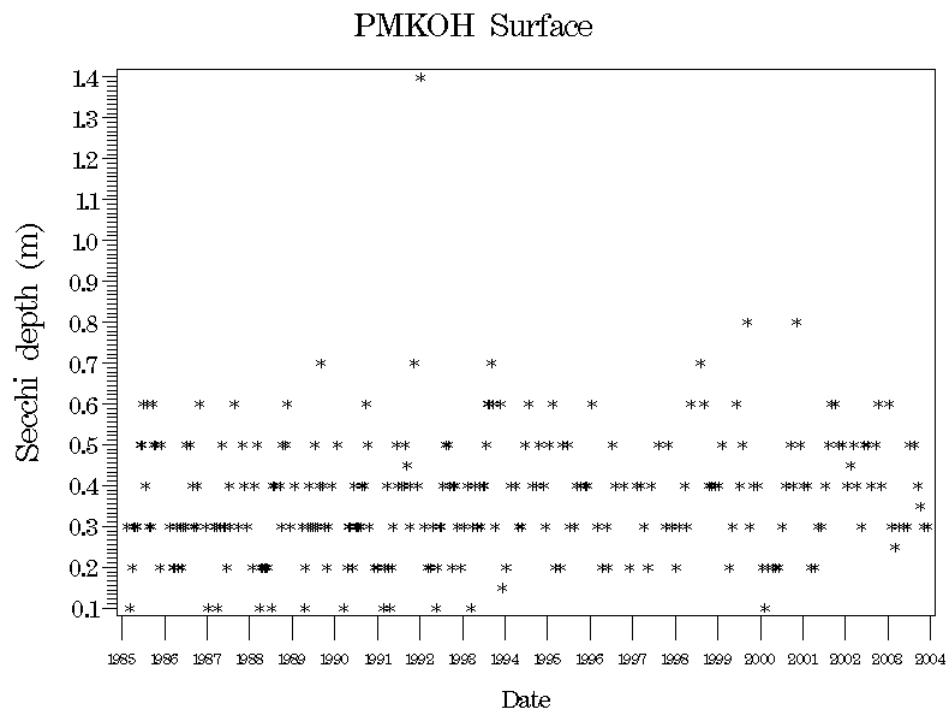


Figure 62. Scatterplot of secchi depth at segment PMKOH during the period 1985 to 2002.

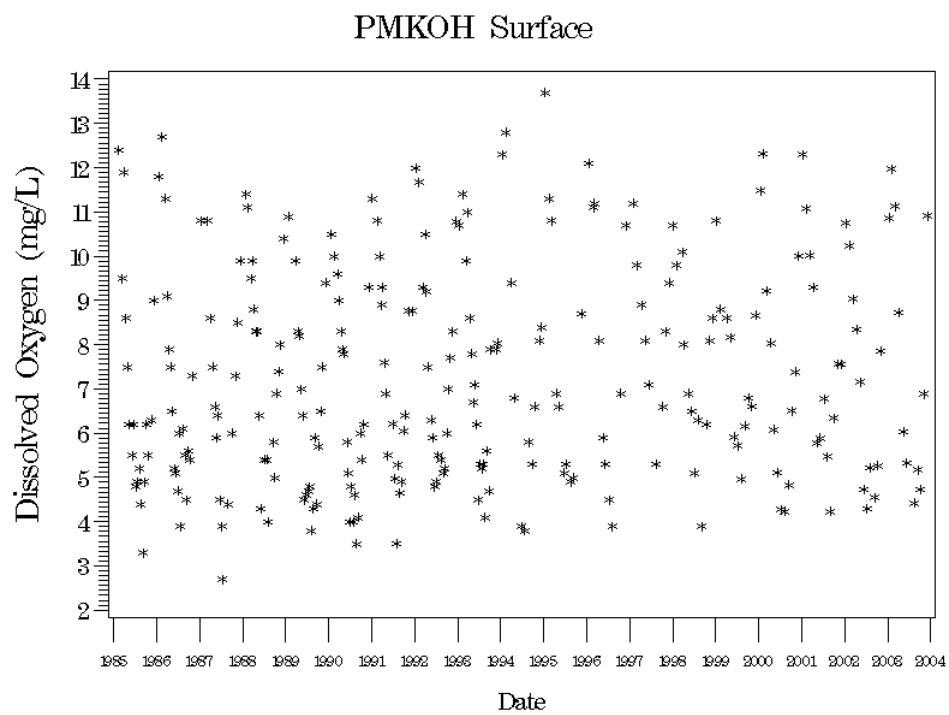


Figure 63. Scatterplot of surface dissolved oxygen at segment PMKOH during the period 1985 to 2002.

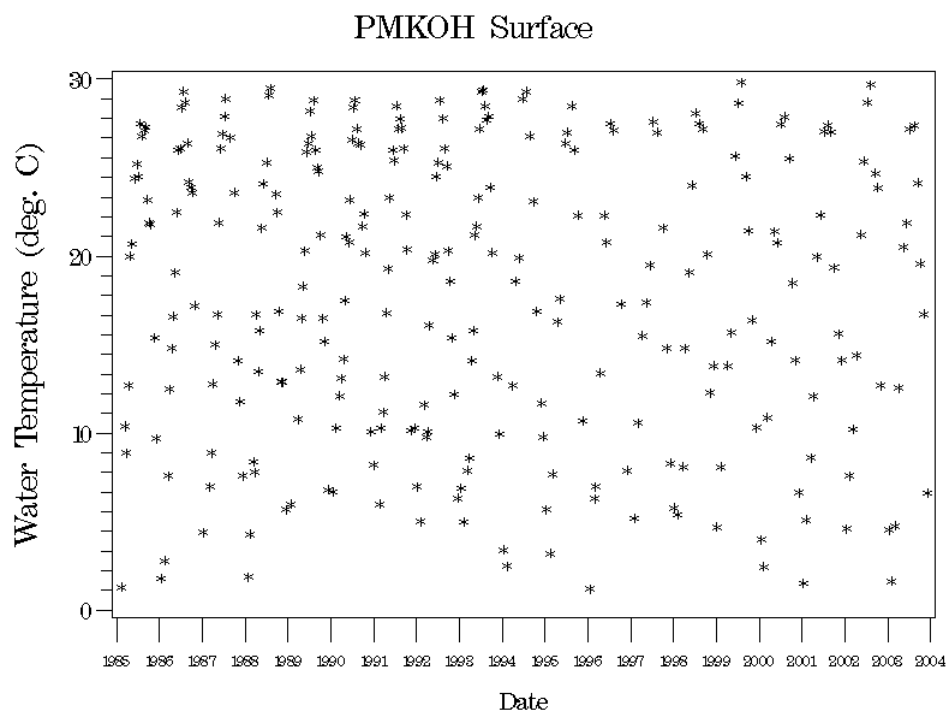


Figure 64. Scatterplot of surface water temperature at segment PMKOH during the period 1985 to 2002.

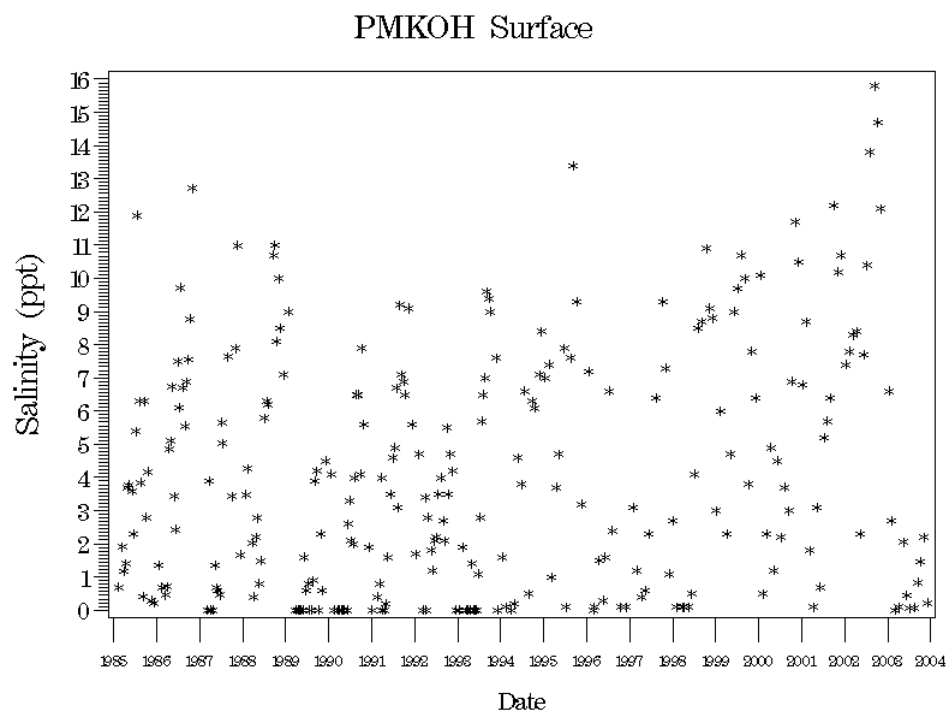


Figure 65. Scatterplot of surface salinity at segment PMKOH during the period 1985 to 2002.

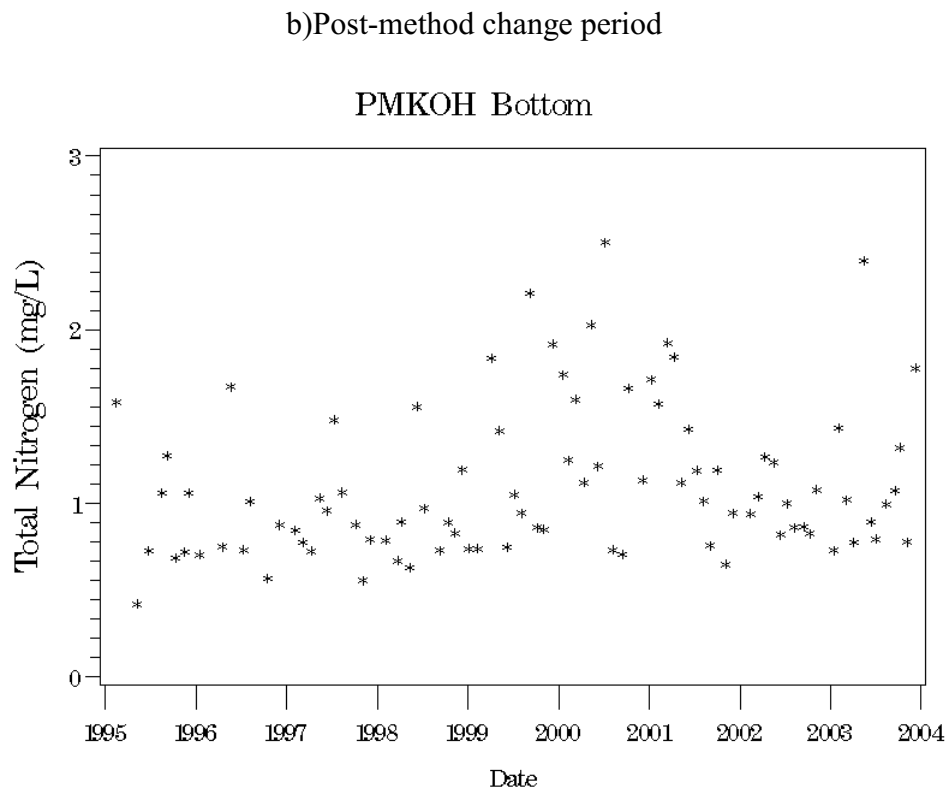
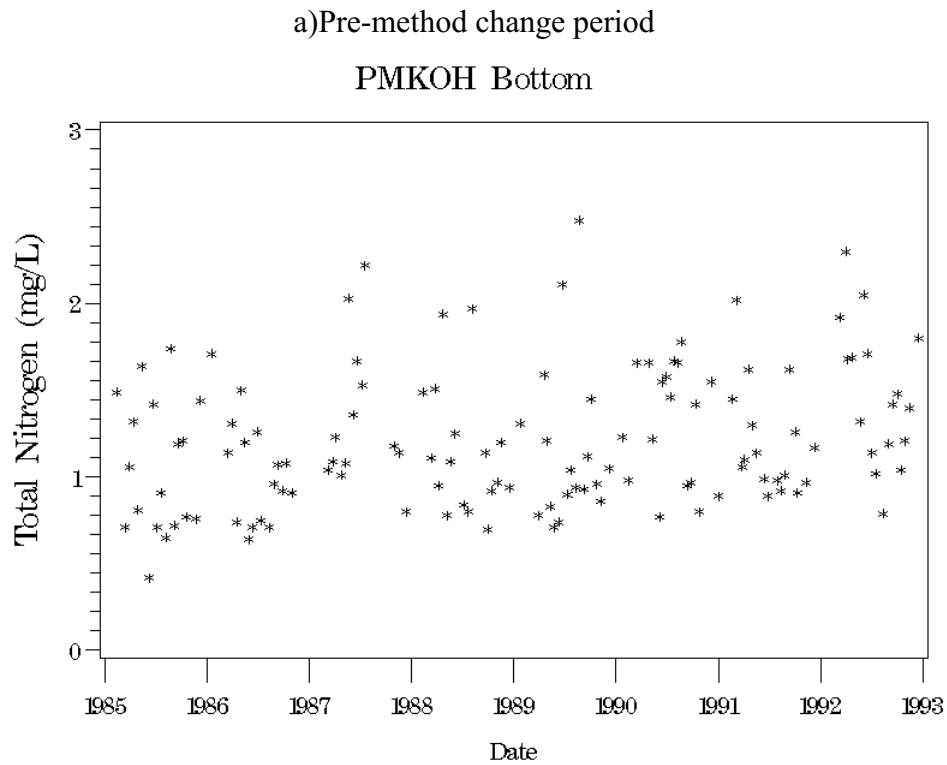


Figure 66. Scatterplots of bottom total nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

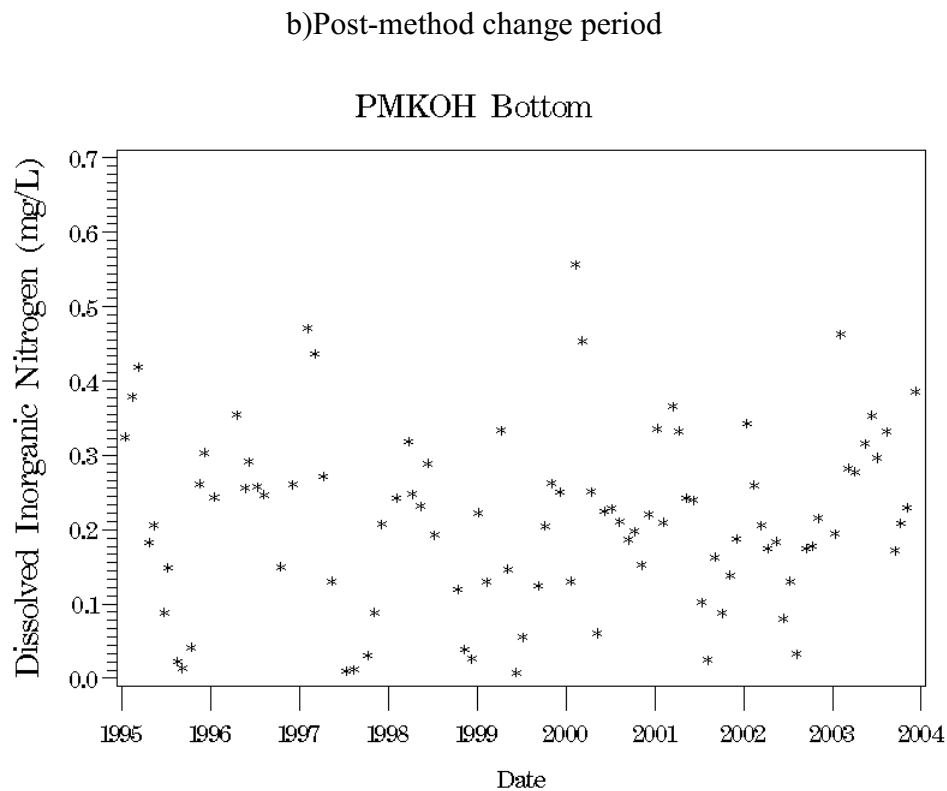
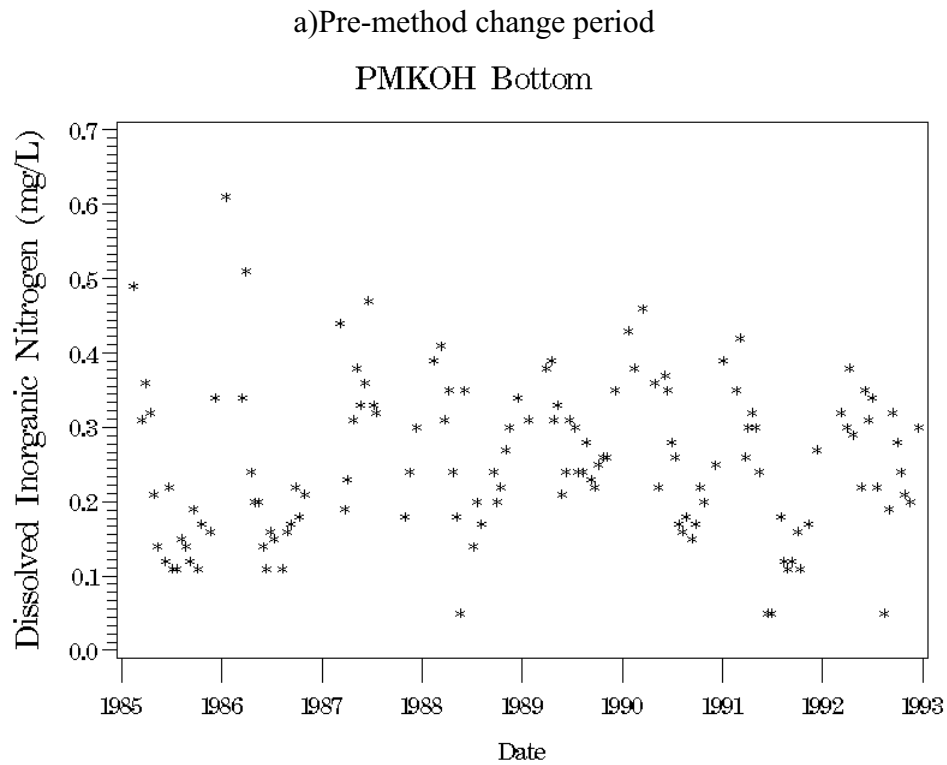


Figure 67. Scatterplots of bottom dissolved inorganic nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.



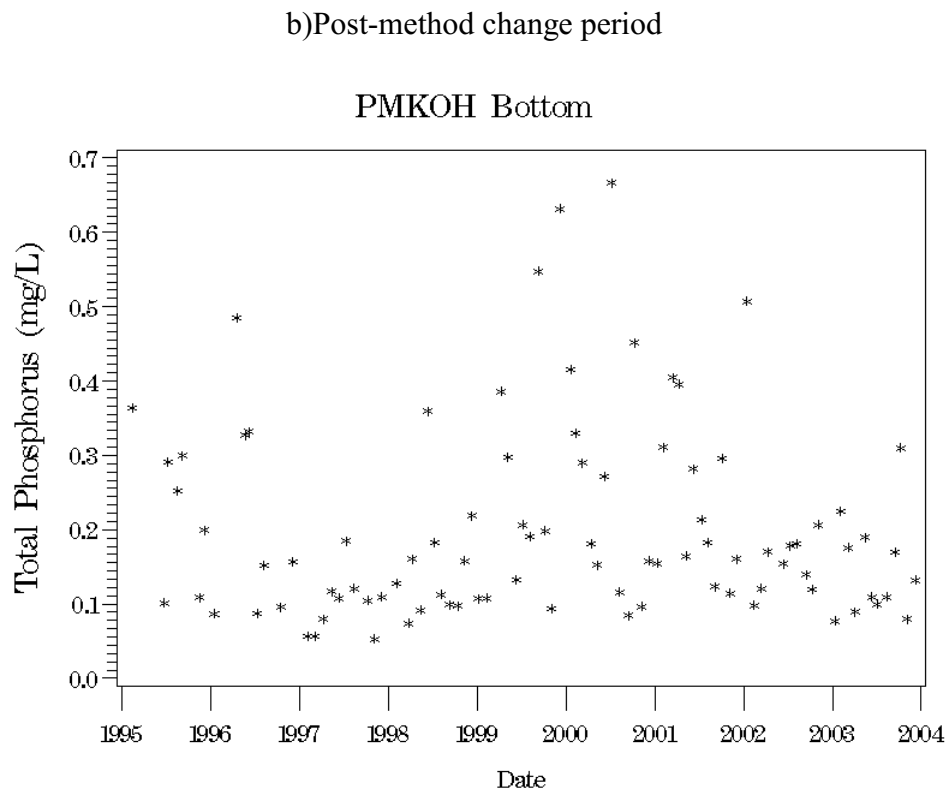
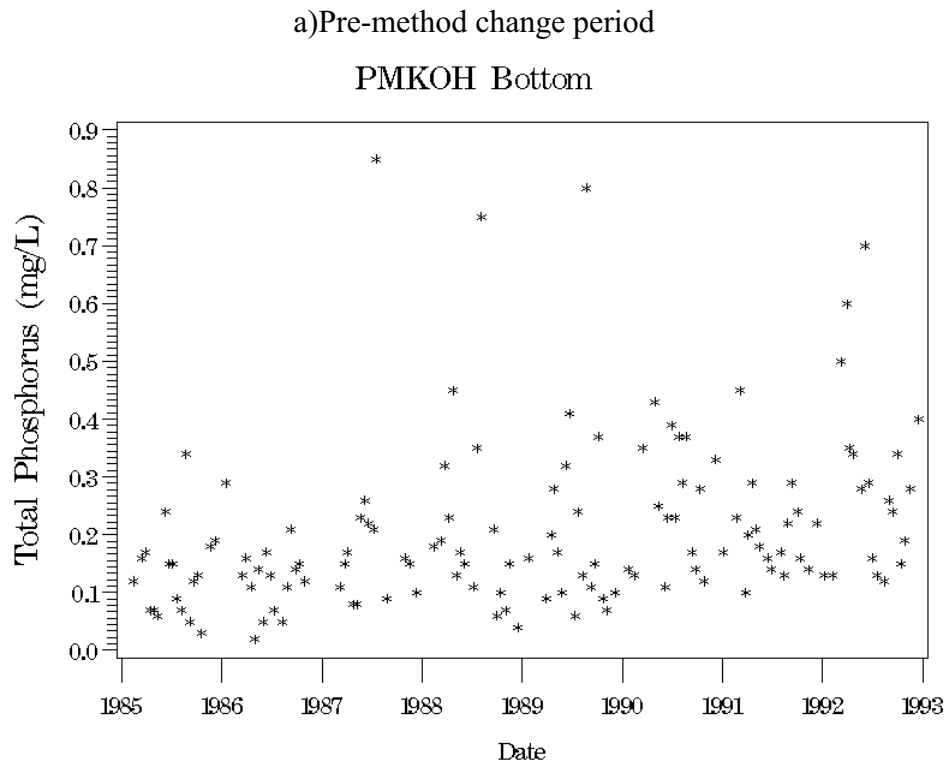


Figure 68. Scatterplots of bottom total phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

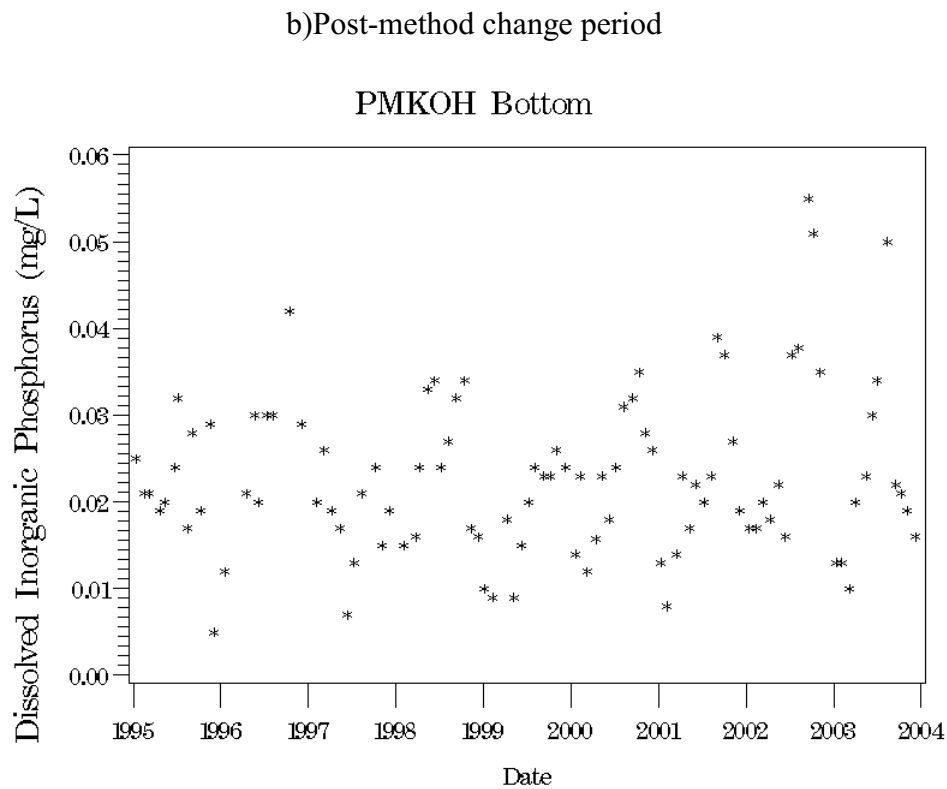
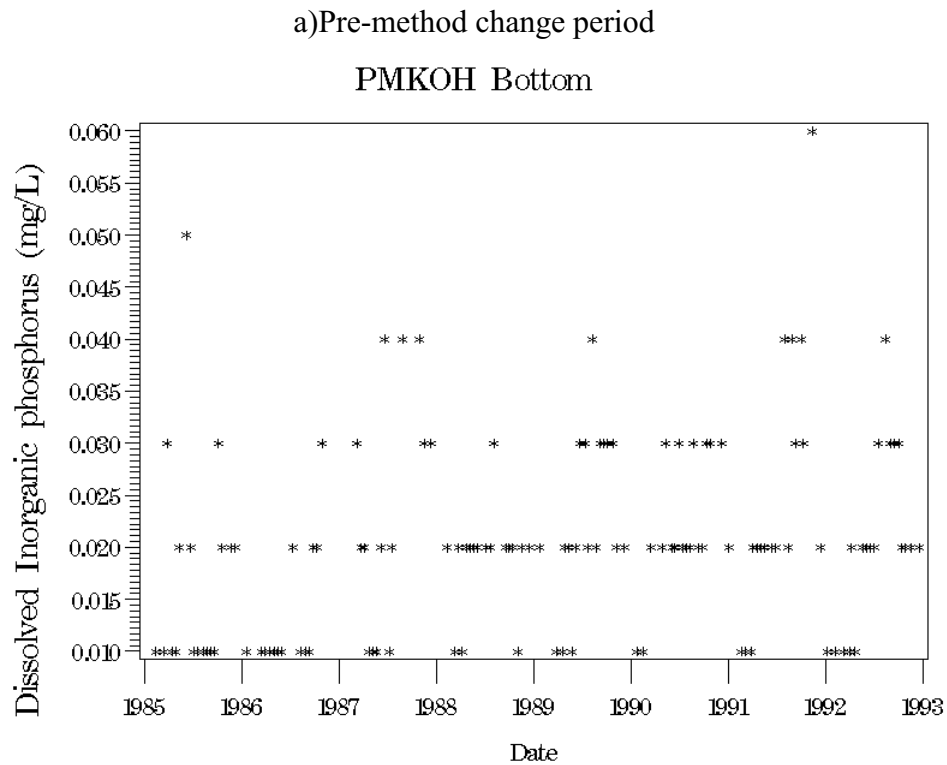


Figure 69. Scatterplots of bottom dissolved inorganic phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

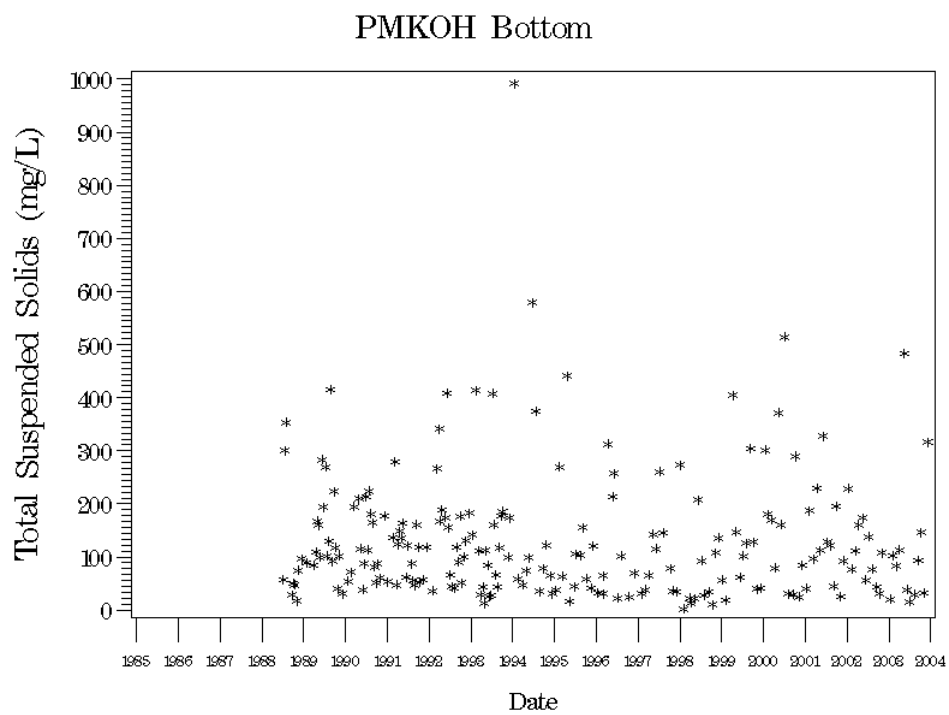


Figure 70. Scatterplot of bottom total suspended solids at segment PMKOH during the period 1985 to 2002.

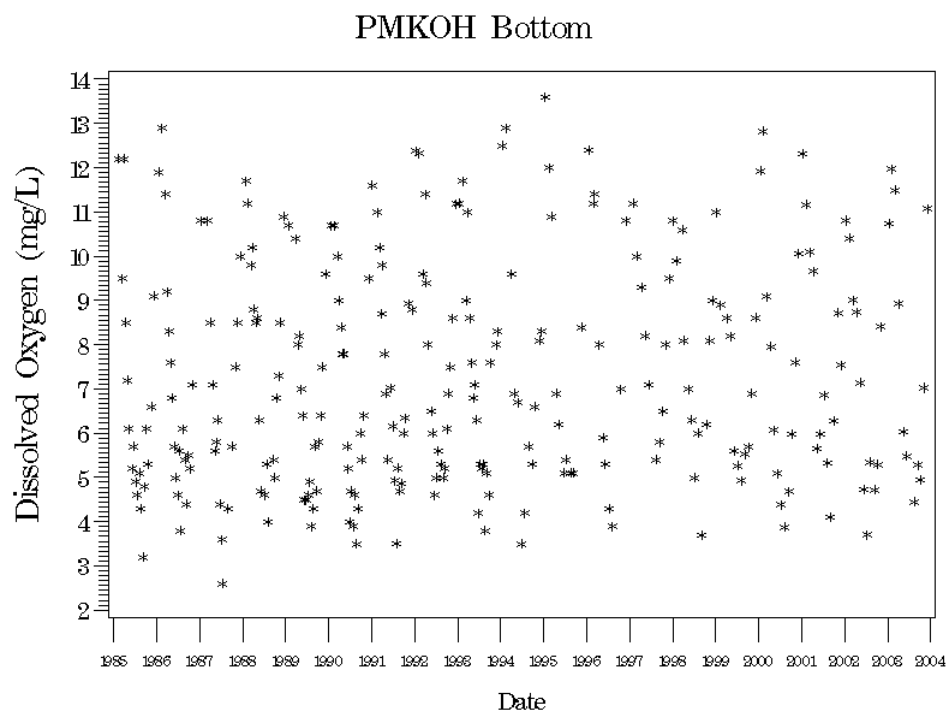


Figure 71. Scatterplot of bottom dissolved oxygen at segment PMKOH during the period 1985 to 2002.

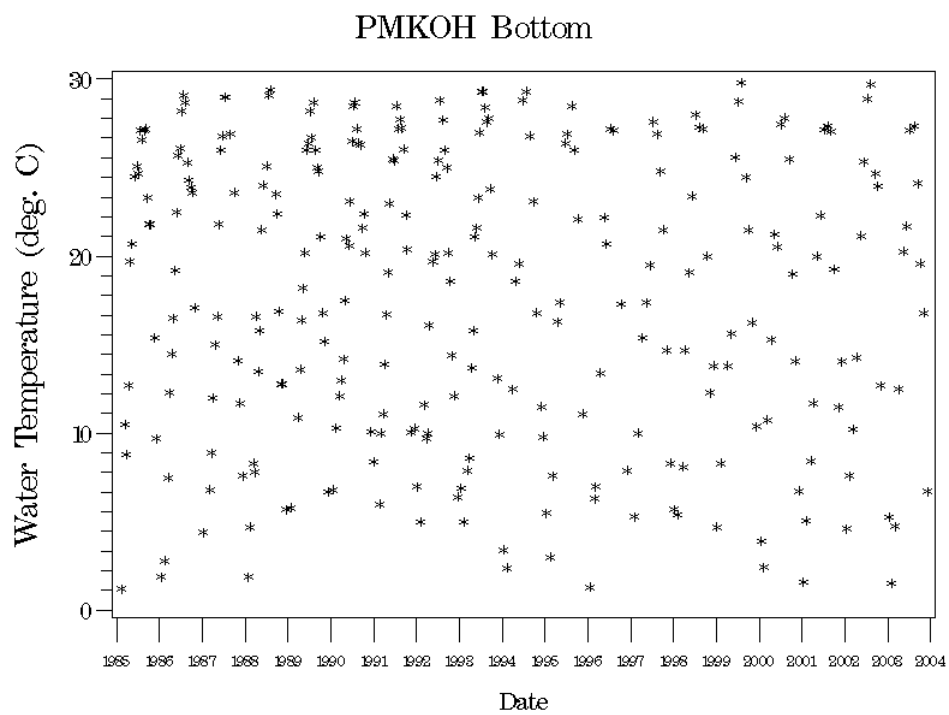


Figure 72. Scatterplot of bottom water temperature at segment PMKOH during the period 1985 to 2002.

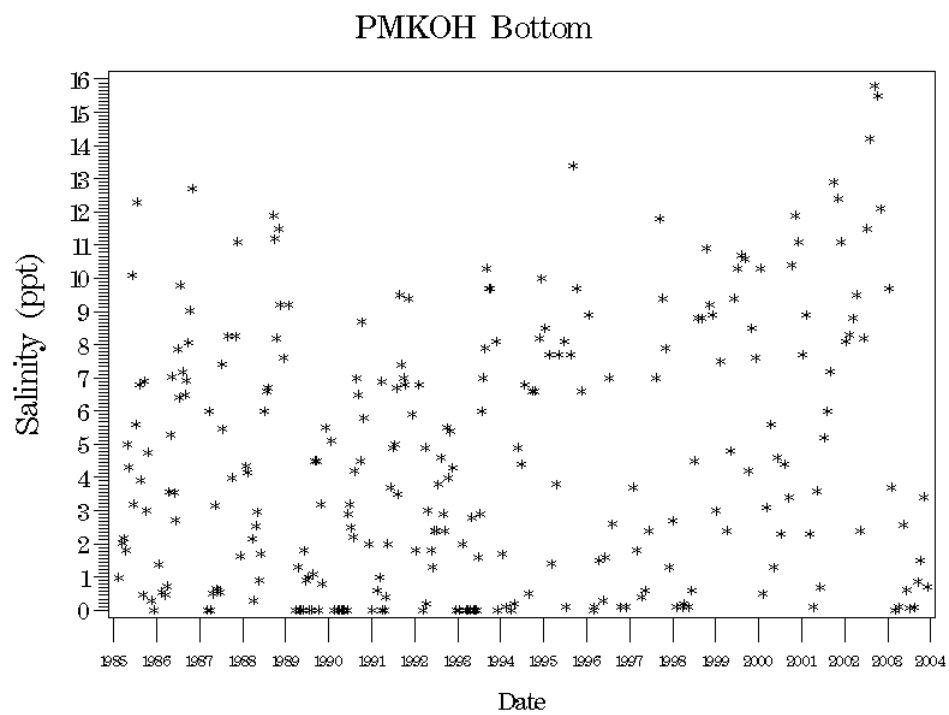
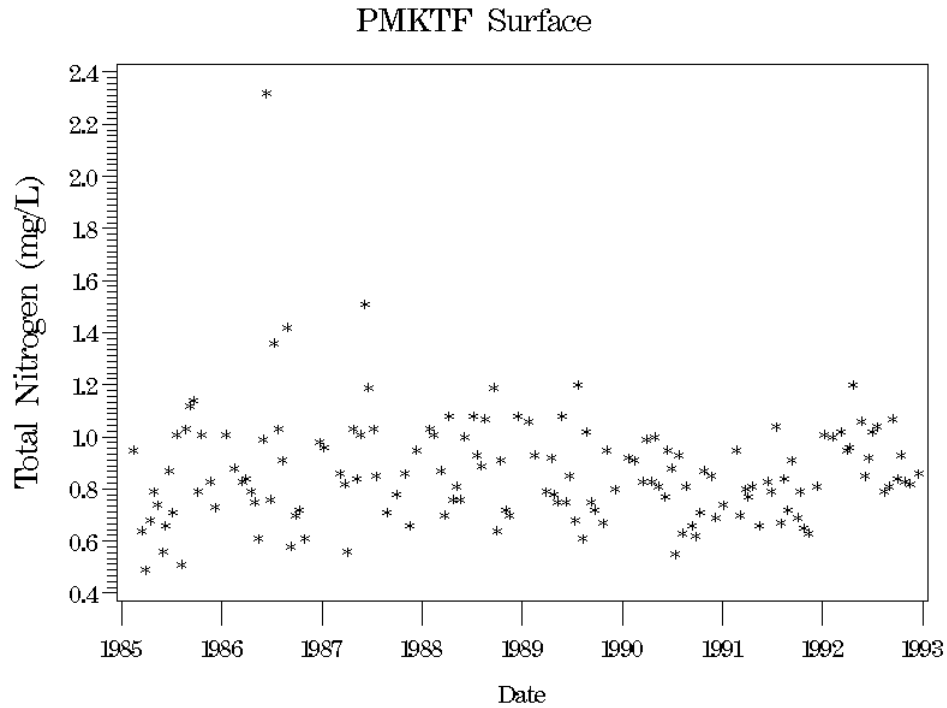


Figure 73. Scatterplot of bottom salinity at segment PMKOH during the period 1985 to 2002.

a)Pre-method change period



b)Post-method change period

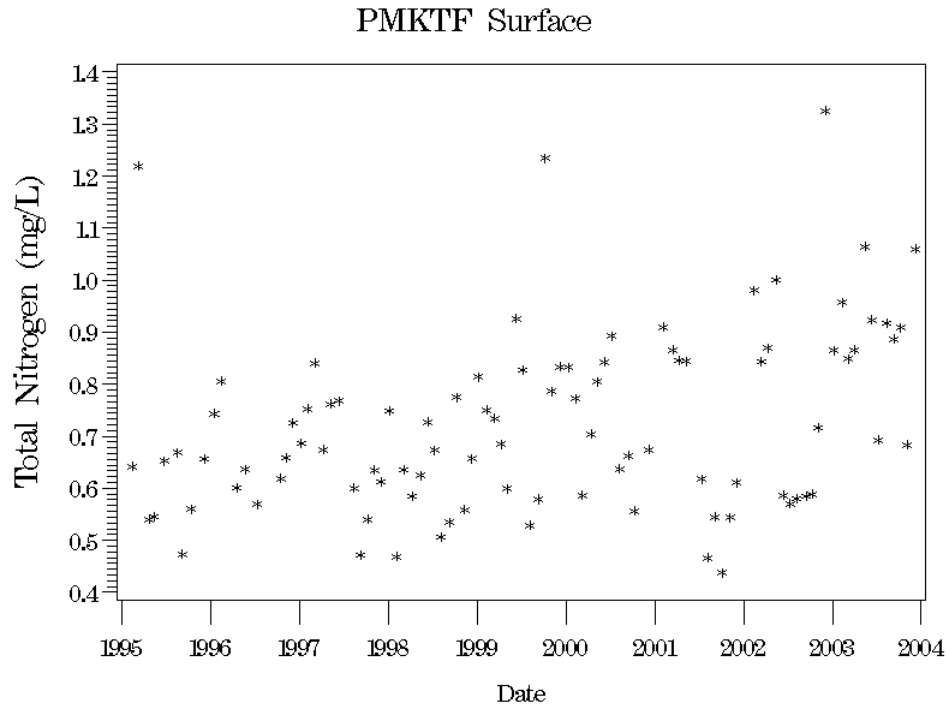
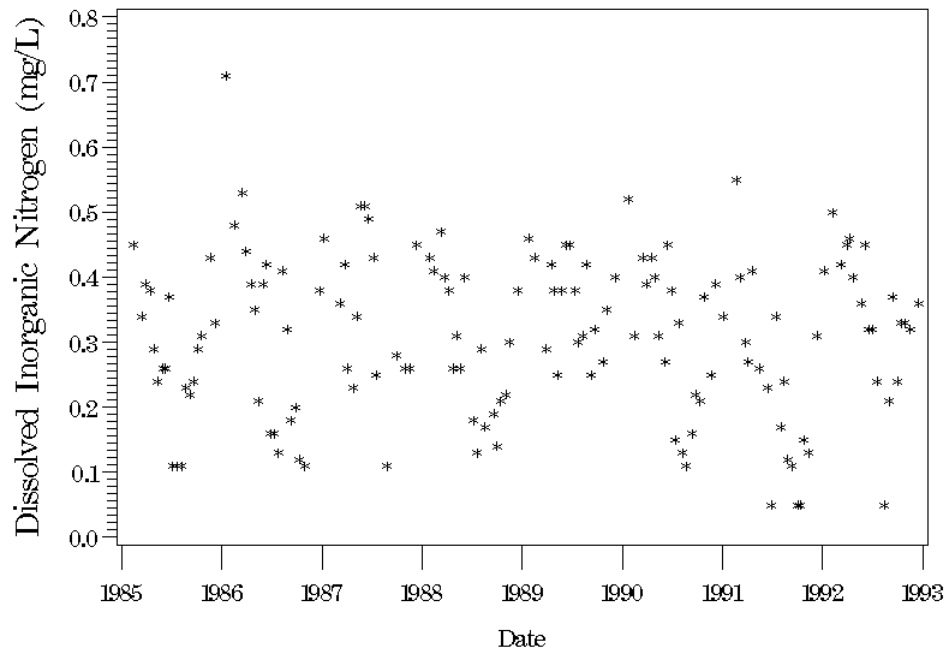


Figure 74. Scatterplots of surface total nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

a)Pre-method change period

PMKTF Surface



b)Post-method change period

PMKTF Surface

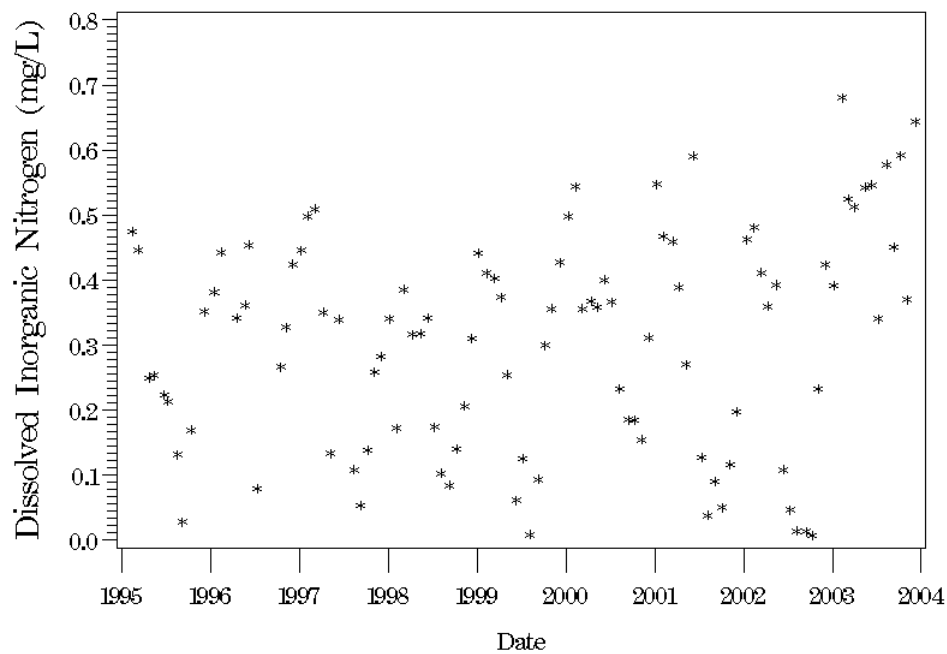
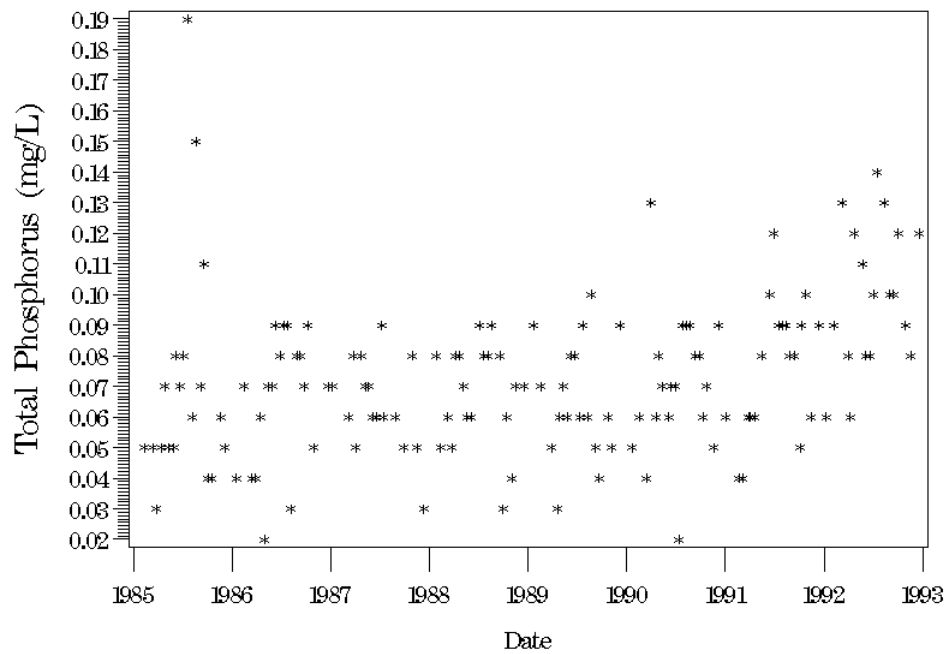


Figure 75. Scatterplots of surface dissolved inorganic nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.



a)Pre-method change period

PMKTF Surface



b)Post-method change period

PMKTF Surface

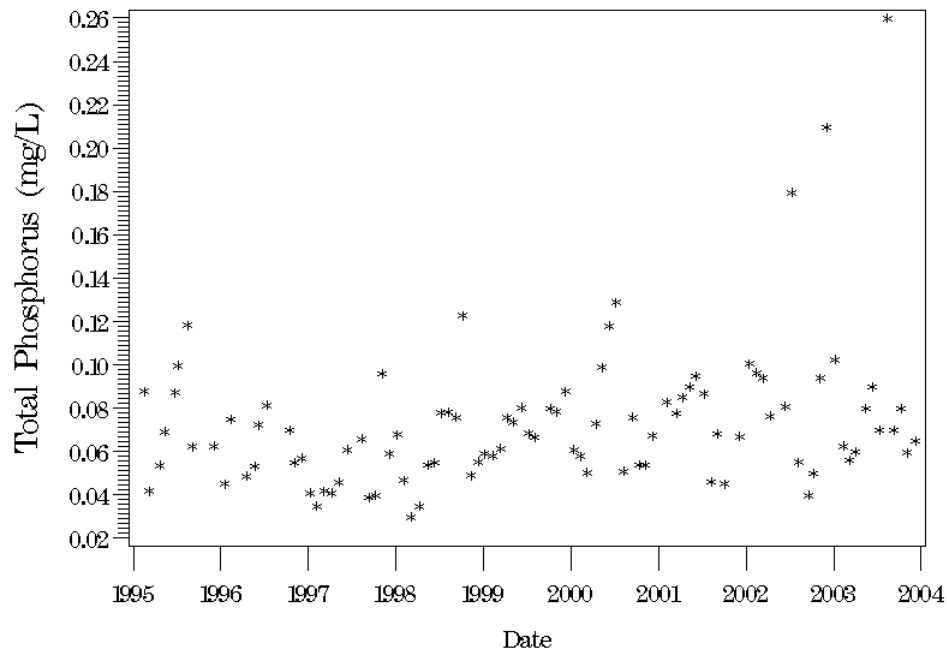
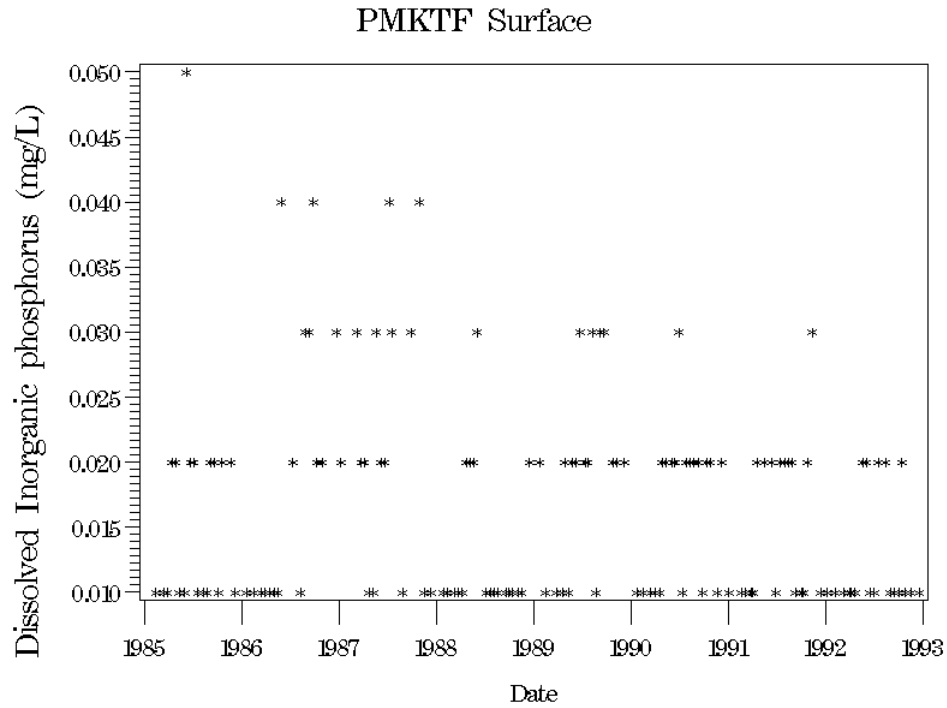


Figure 76. Scatterplots of surface total phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

a)Pre-method change period



b)Post-method change period

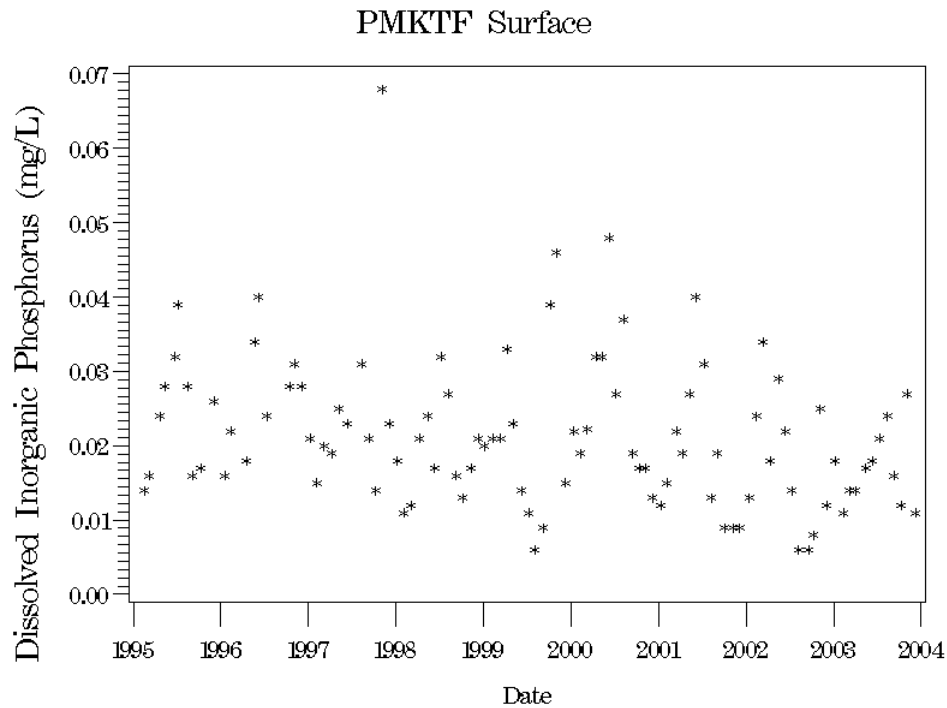


Figure 77. Scatterplots of surface dissolved inorganic phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

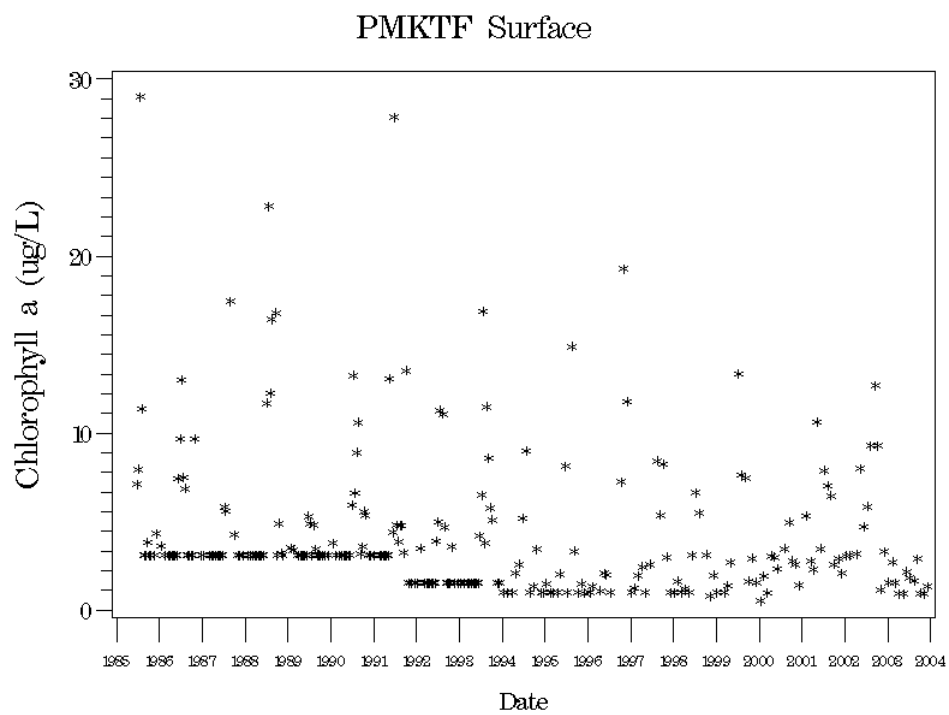


Figure 78. Scatterplot of surface chlorophyll *a* at segment PMKTF during the period 1985 to 2002.

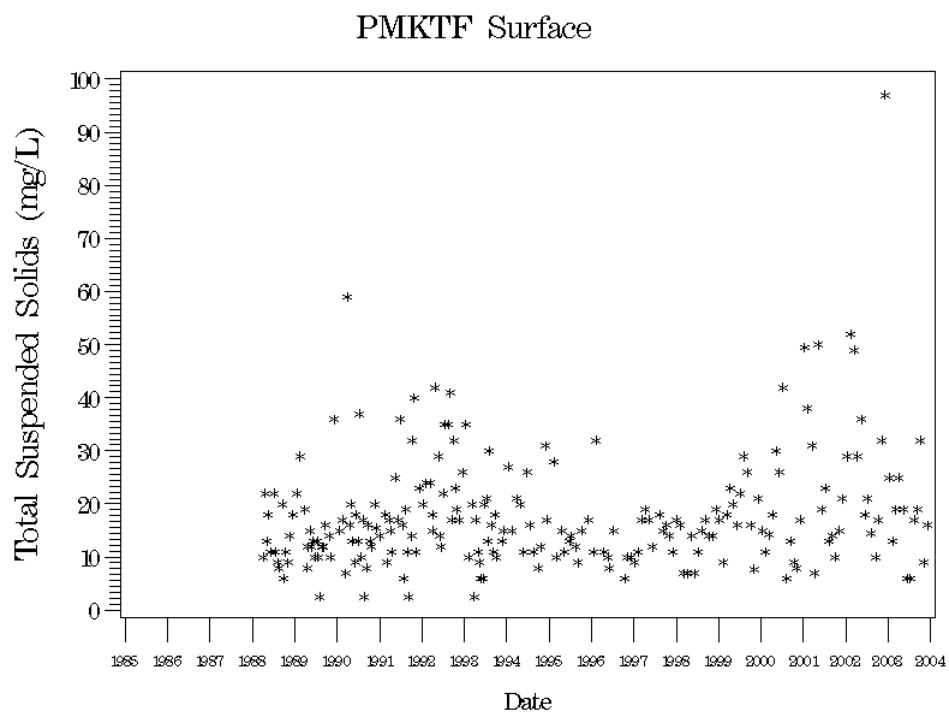


Figure 79. Scatterplot of surface total suspended solids at segment PMKTF during the period 1985 to 2002.

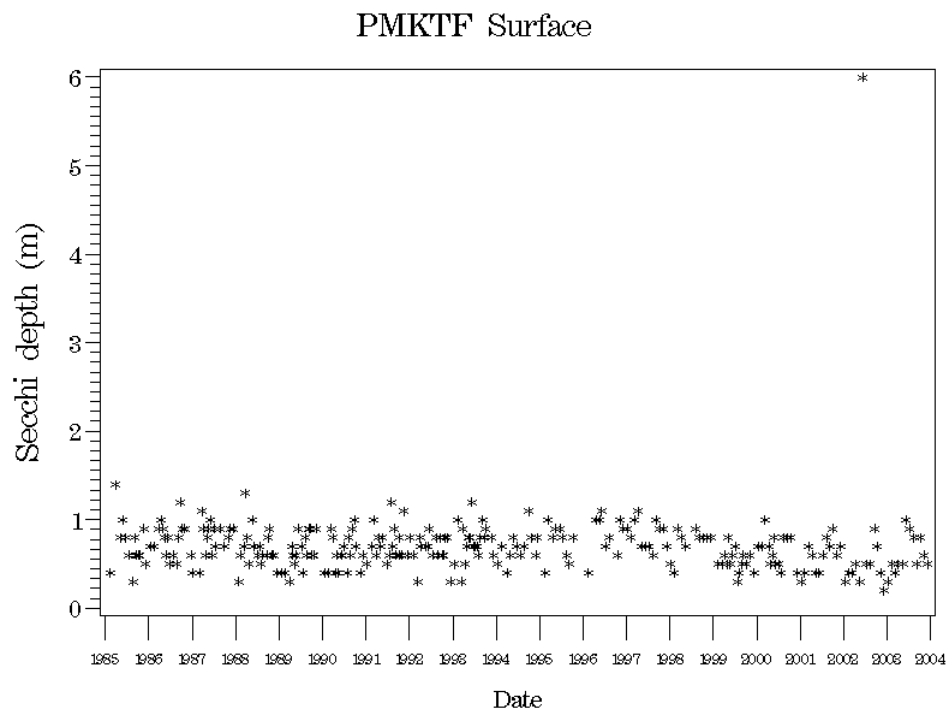


Figure 80. Scatterplot of secchi depth at segment PMKTF during the period 1985 to 2002.

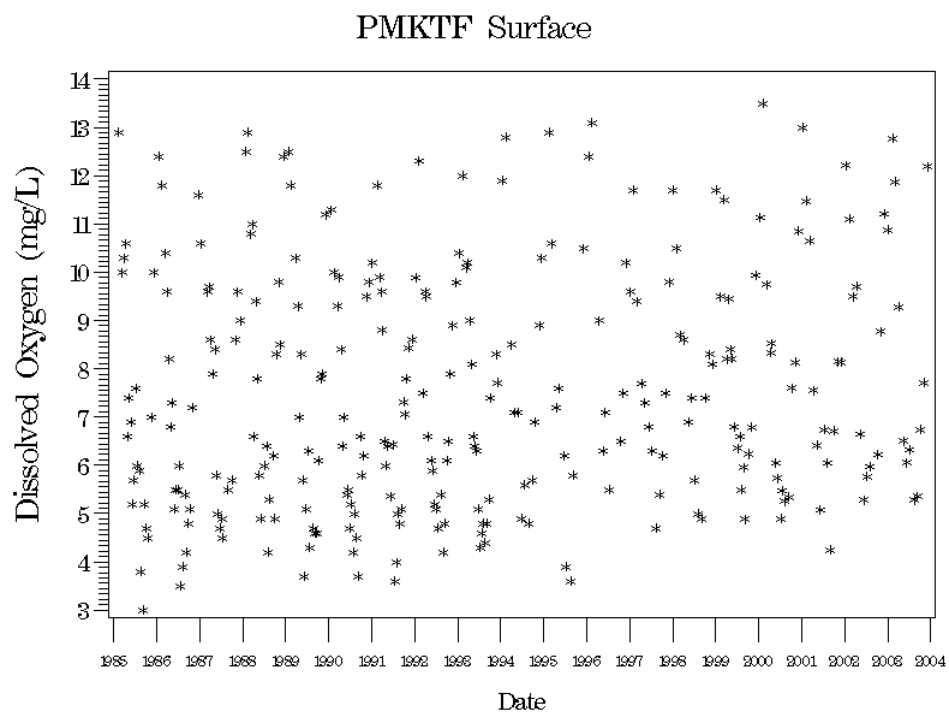


Figure 81. Scatterplot of surface dissolved oxygen at segment PMKTF during the period 1985 to 2002.

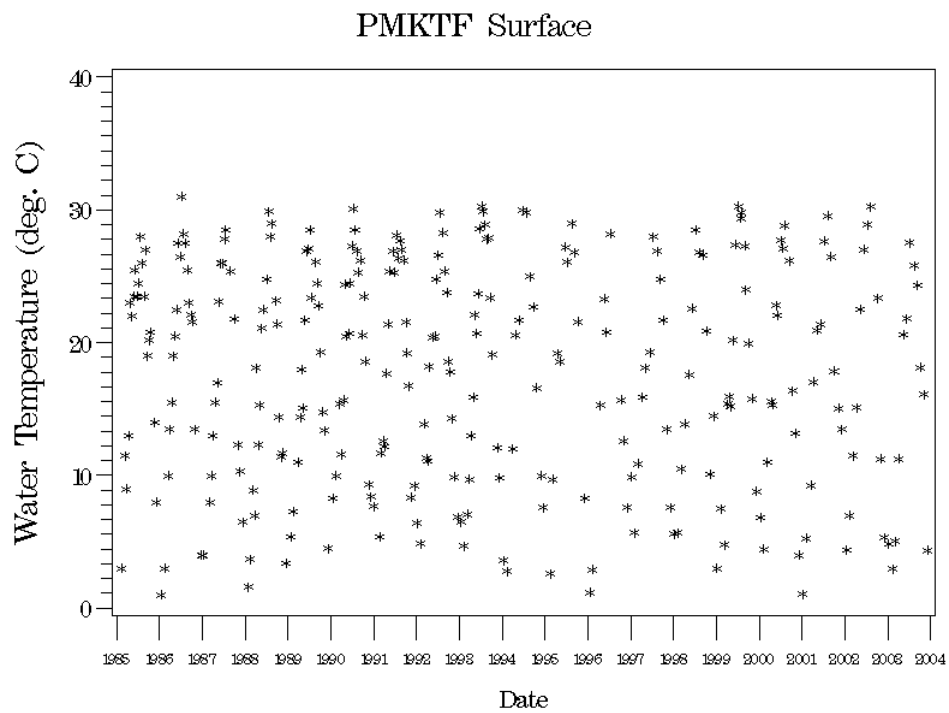


Figure 82. Scatterplot of surface water temperature at segment PMKTF during the period 1985 to 2002.

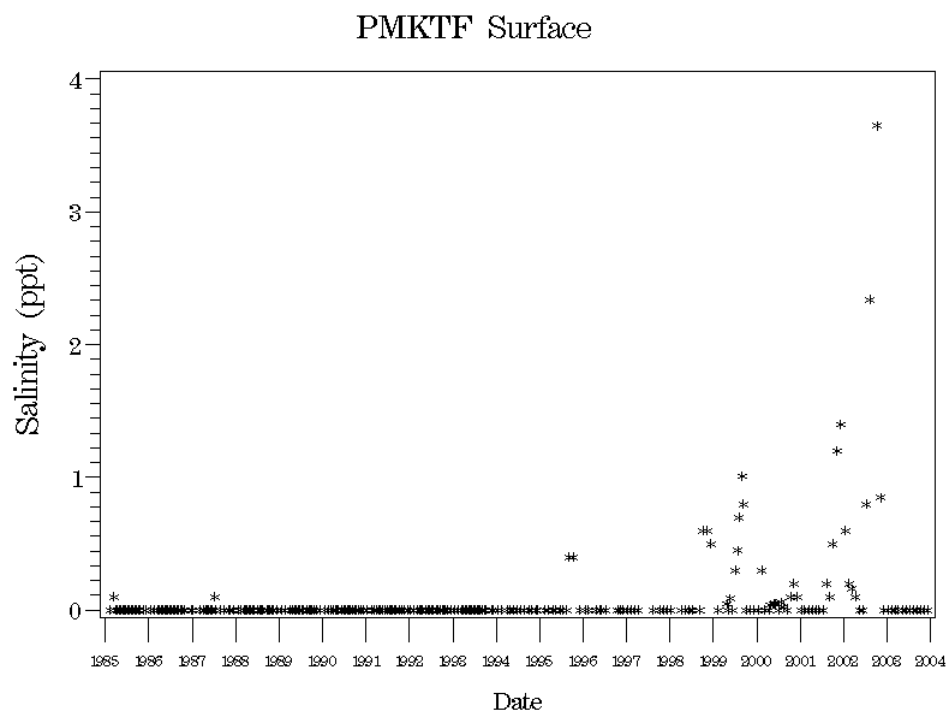
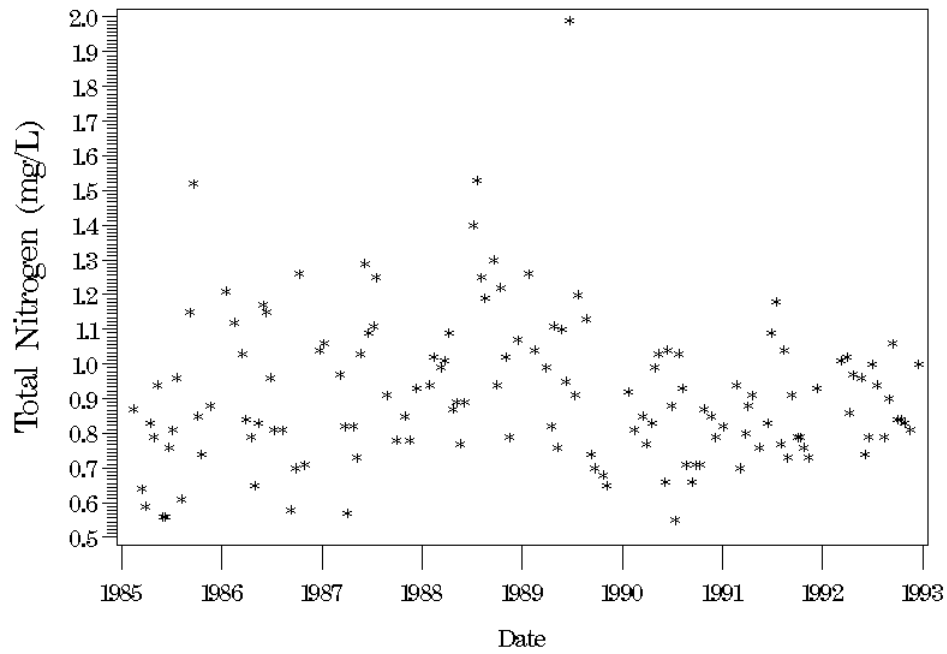


Figure 83. Scatterplot of surface salinity at segment PMKTF during the period 1985 to 2002.



a)Pre-method change period

PMKTF Bottom



b)Post-method change period

PMKTF Bottom

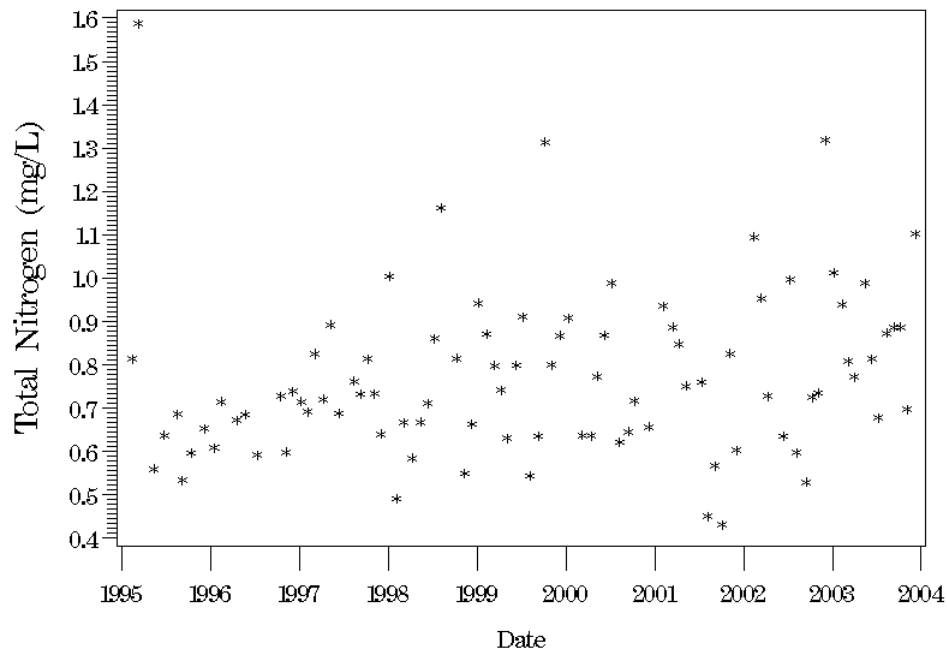


Figure 84. Scatterplots of bottom total nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

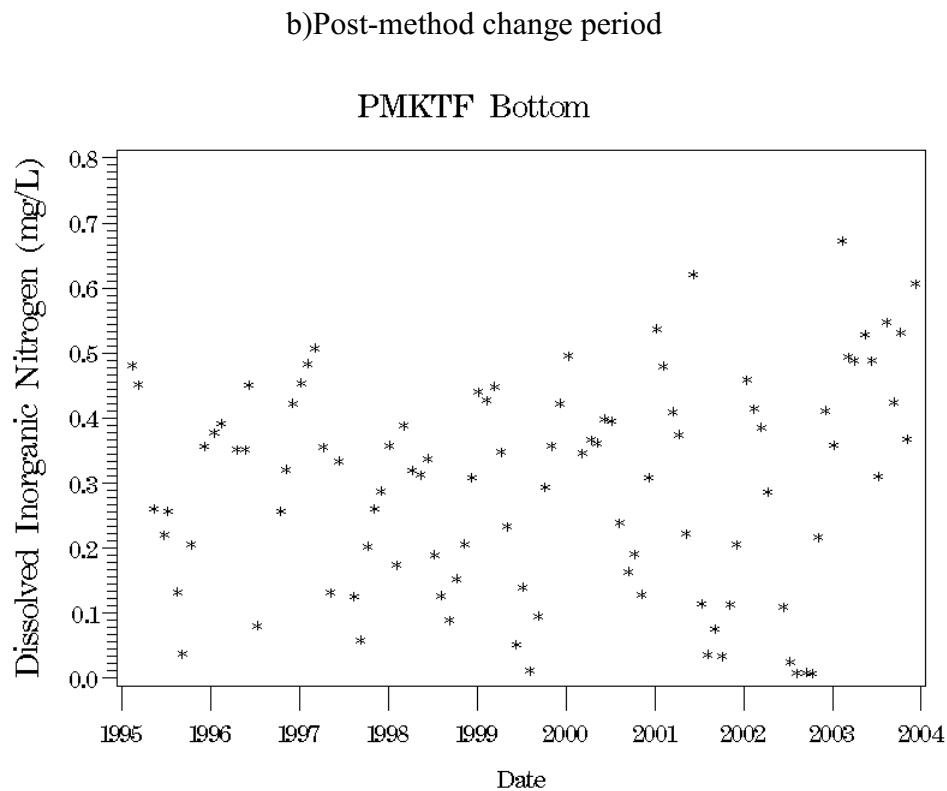
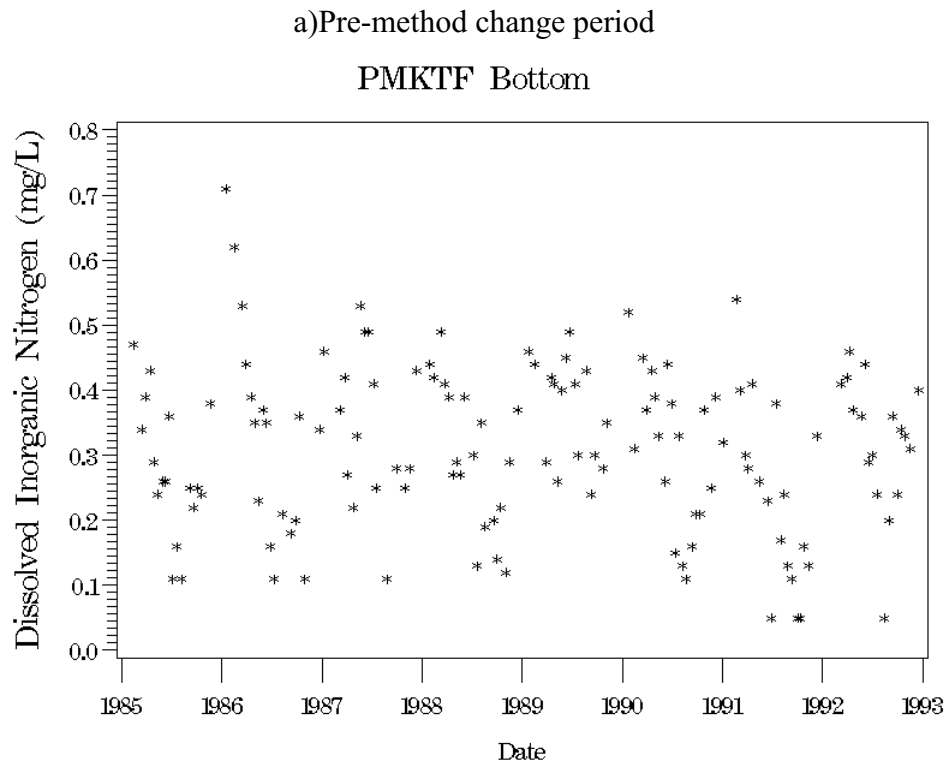


Figure 85. Scatterplots of bottom dissolved inorganic nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

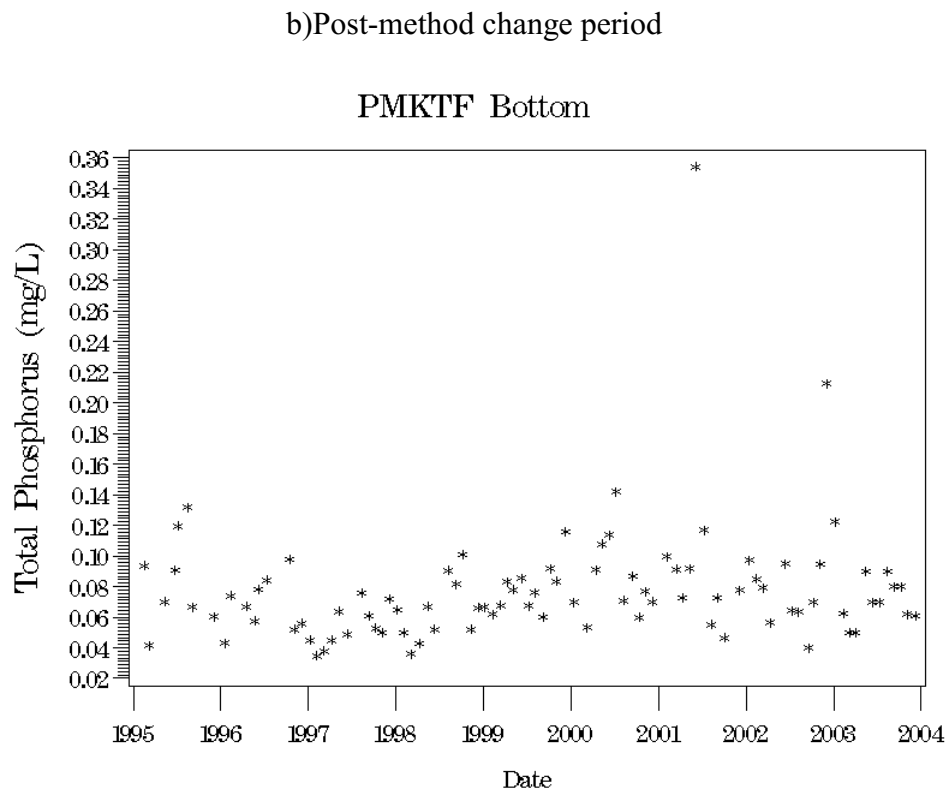
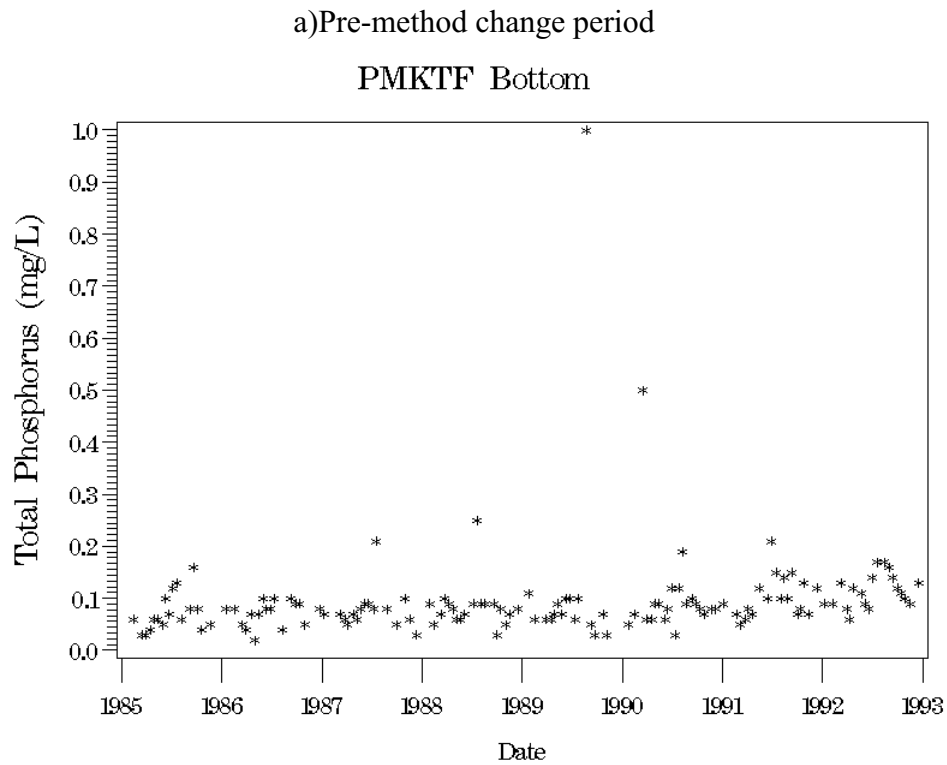


Figure 86. Scatterplots of bottom total phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

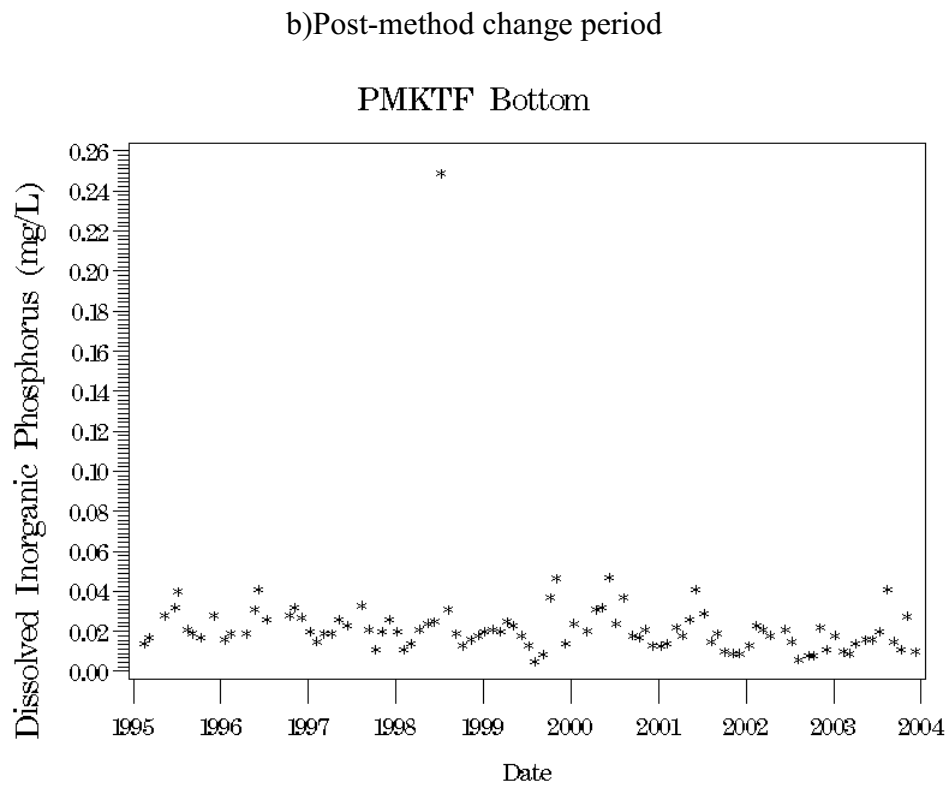
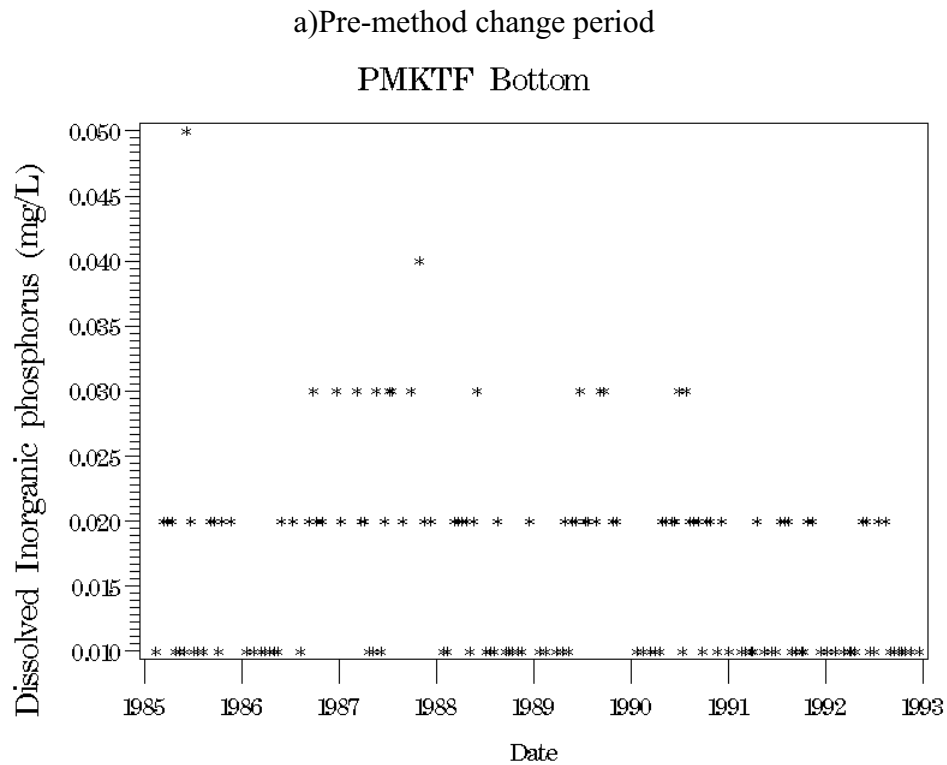


Figure 87. Scatterplots of bottom dissolved inorganic phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

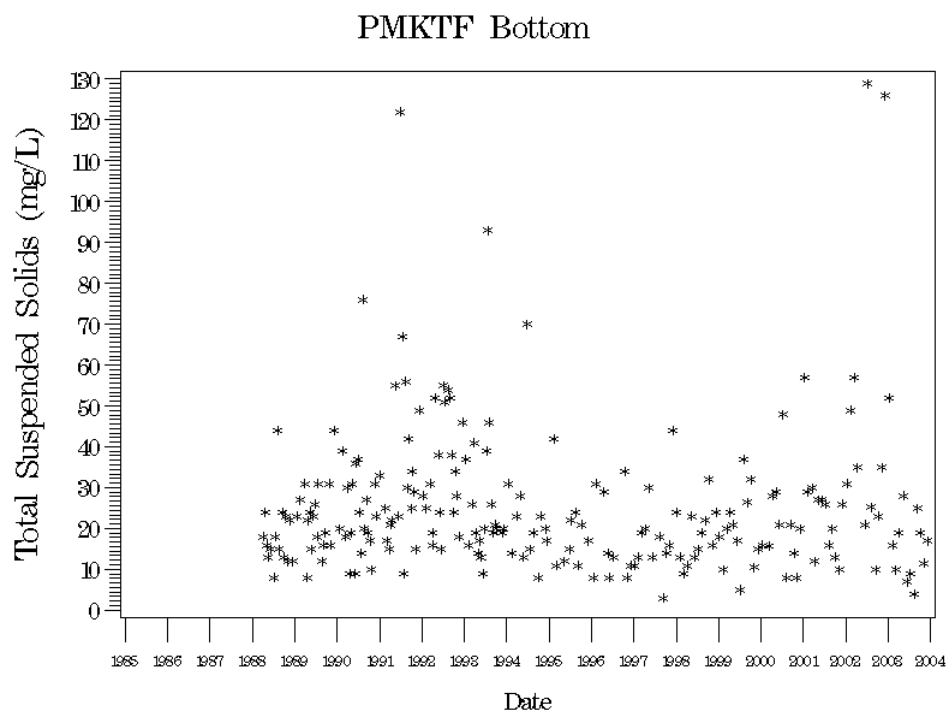


Figure 88. Scatterplot of bottom total suspended solids at segment PMKTF during the period 1985 to 2002.

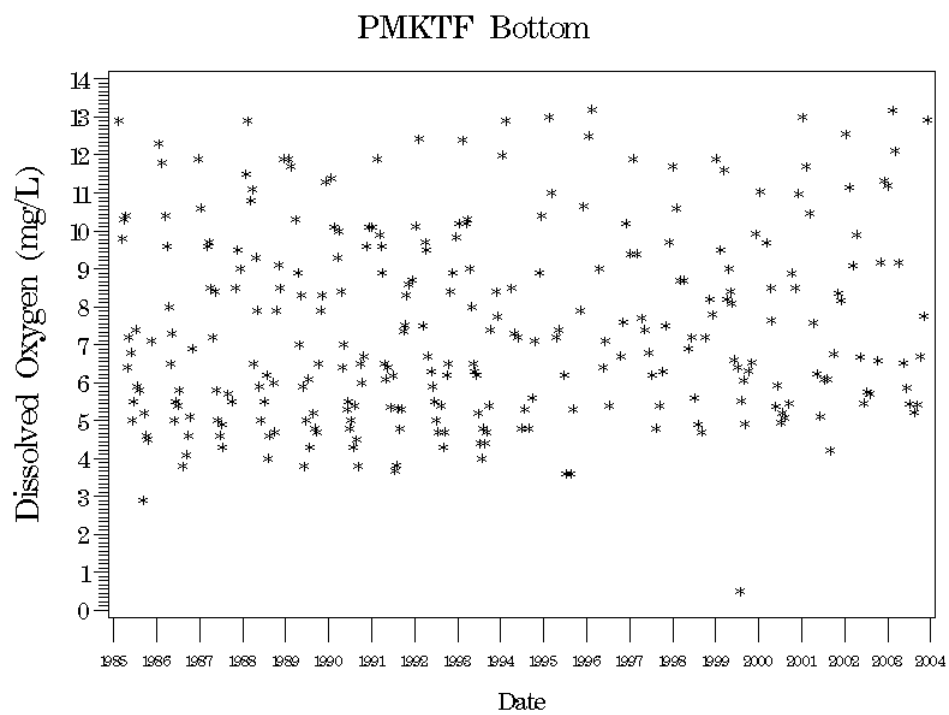


Figure 89. Scatterplot of bottom dissolved oxygen at segment PMKTF during the period 1985 to 2002.

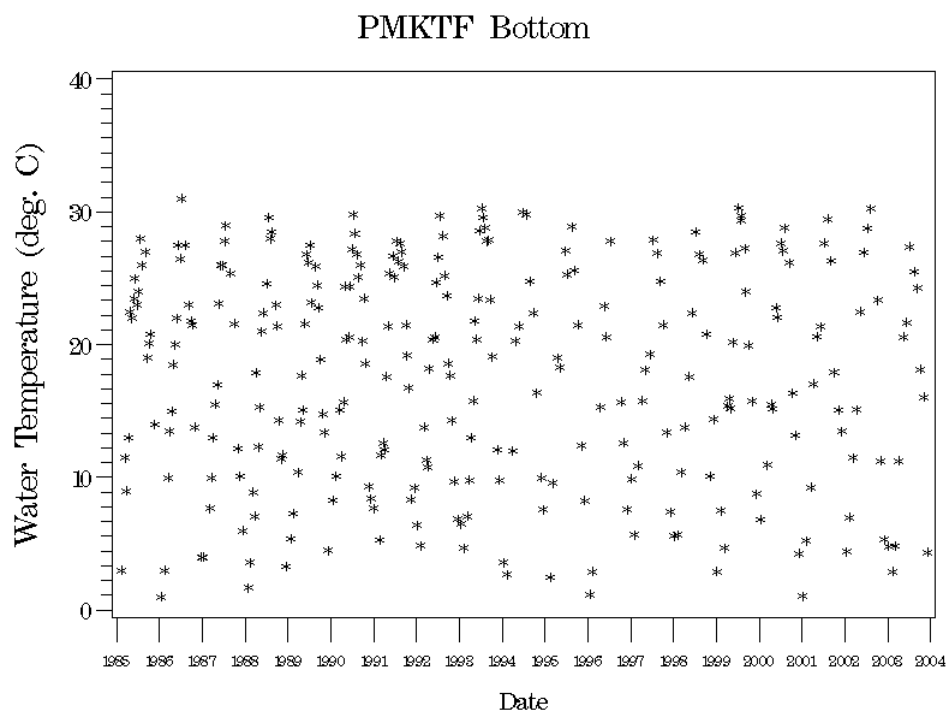


Figure 90. Scatterplot of bottom water temperature at segment PMKTF during the period 1985 to 2002.

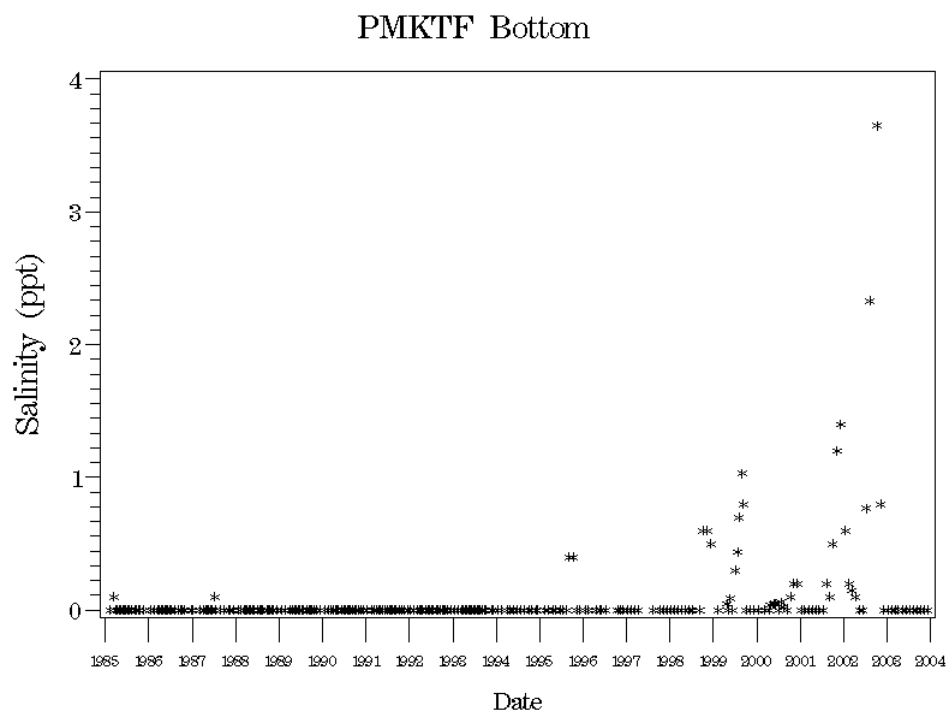


Figure 91. Scatterplot of bottom salinity at segment PMKTF during the period 1985 to 2002.



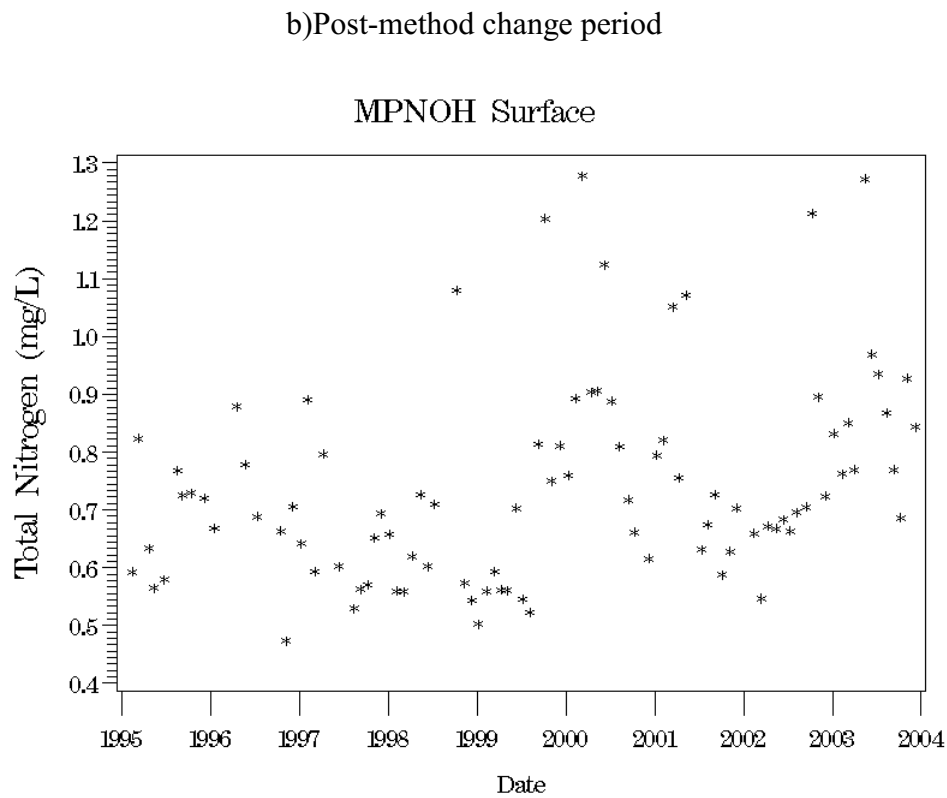
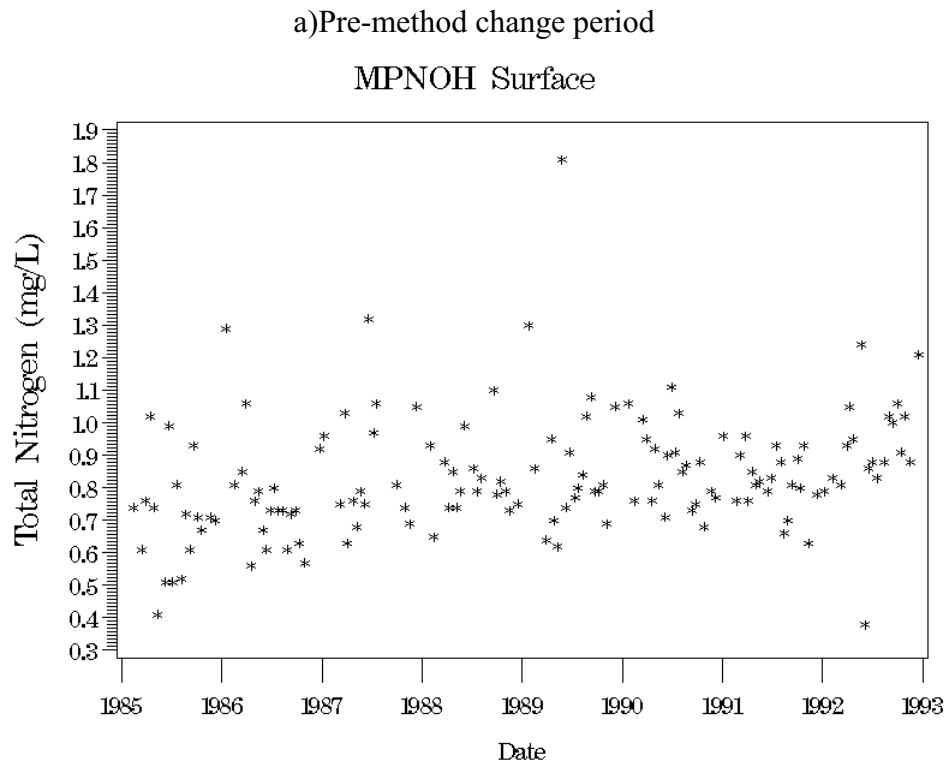
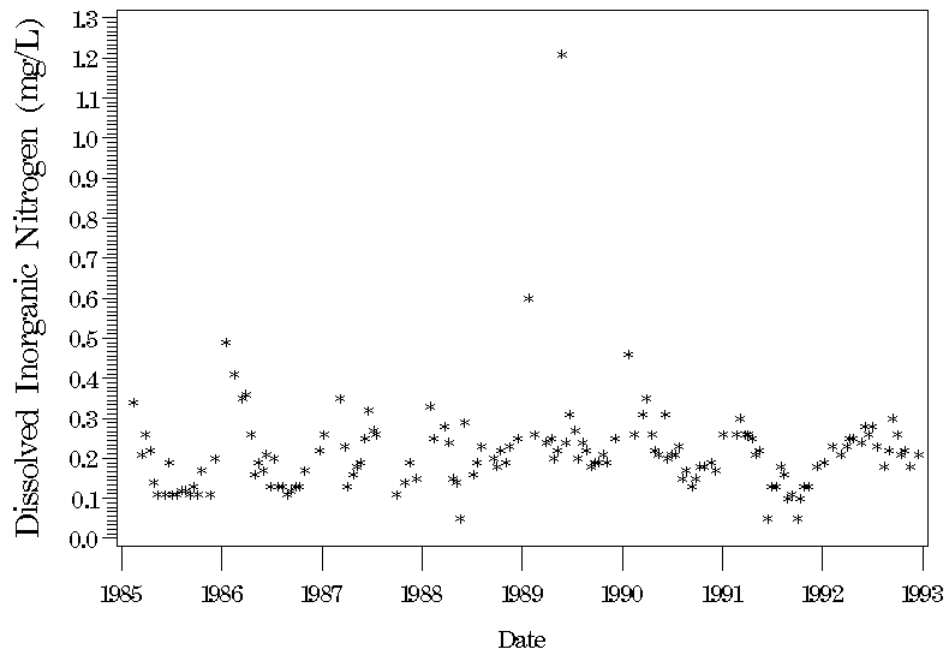


Figure 92. Scatterplots of surface total nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

a)Pre-method change period

MPNOH Surface



b)Post-method change period

MPNOH Surface

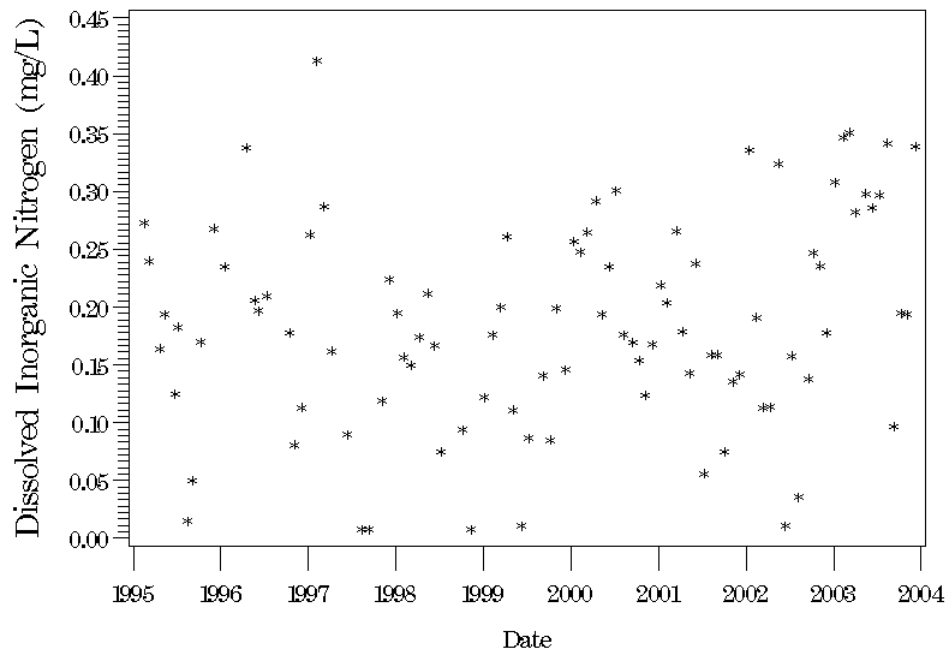


Figure 93. Scatterplots of surface dissolved inorganic nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

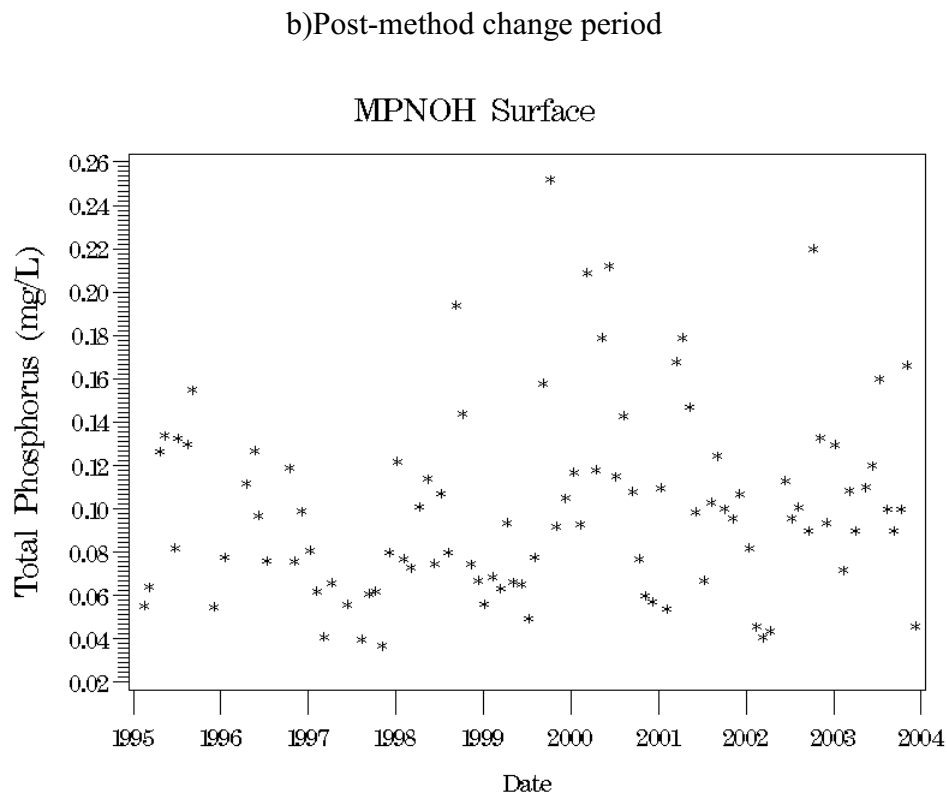
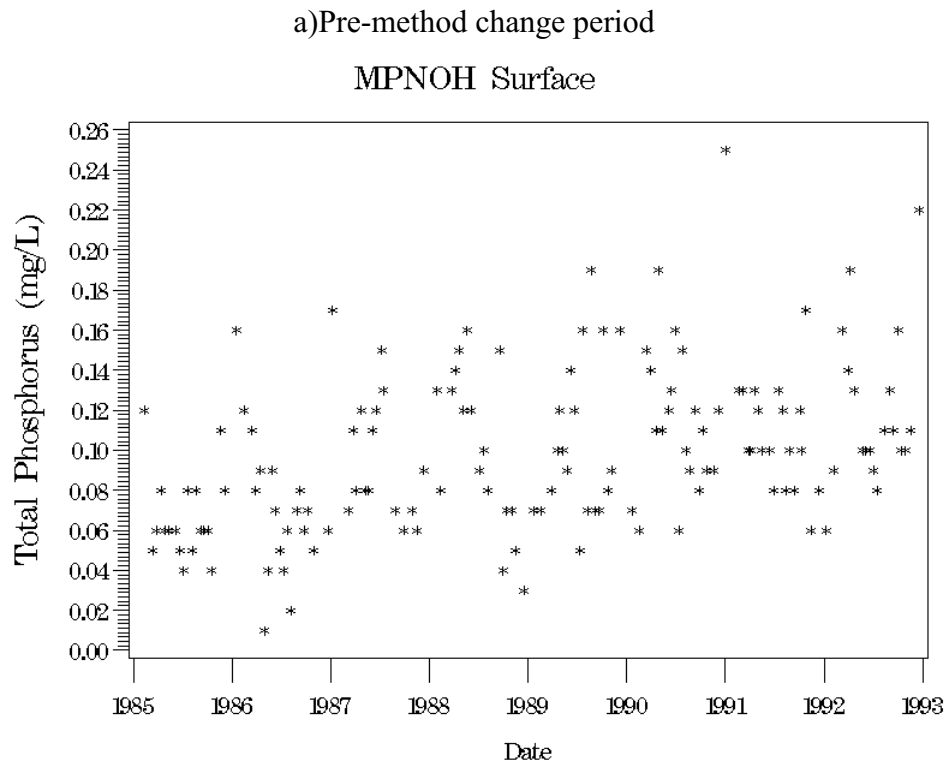


Figure 94. Scatterplots of surface total phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

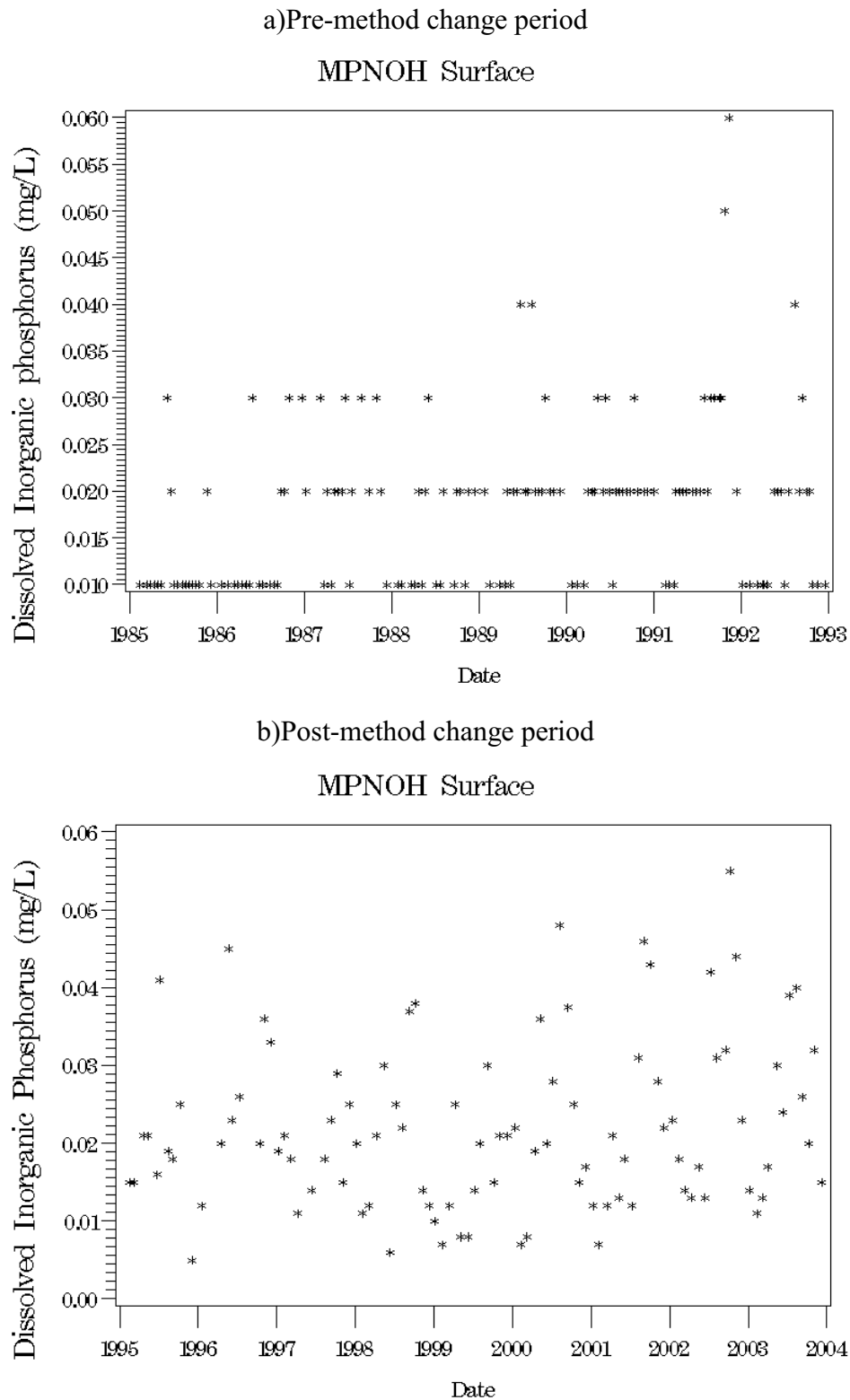


Figure 95. Scatterplots of surface dissolved inorganic phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

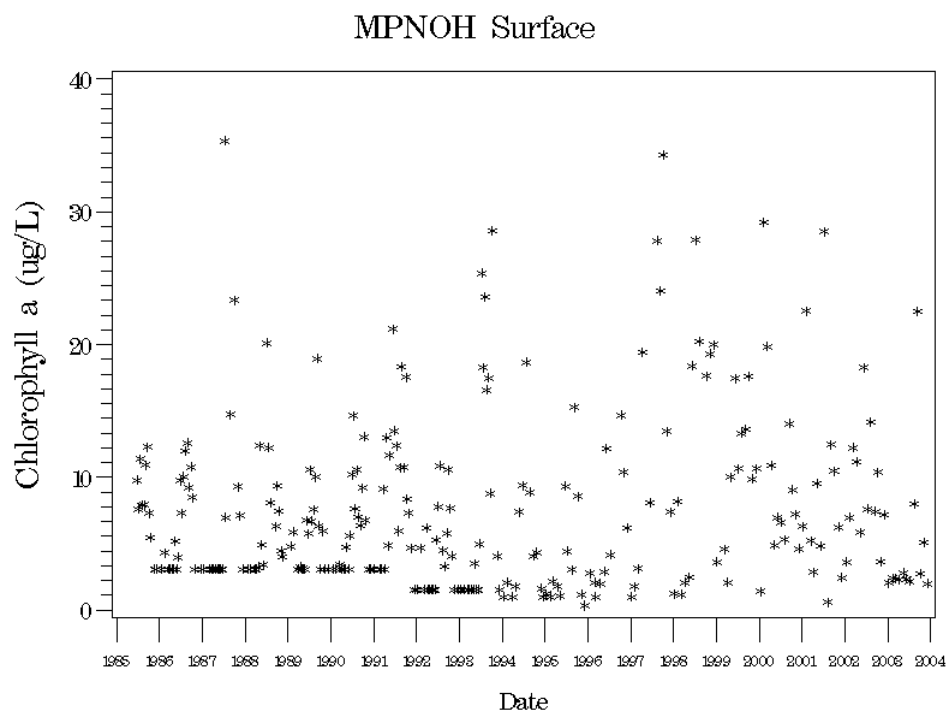


Figure 96. Scatterplot of surface chlorophyll *a* at segment MPNOH during the period 1985 to 2002.

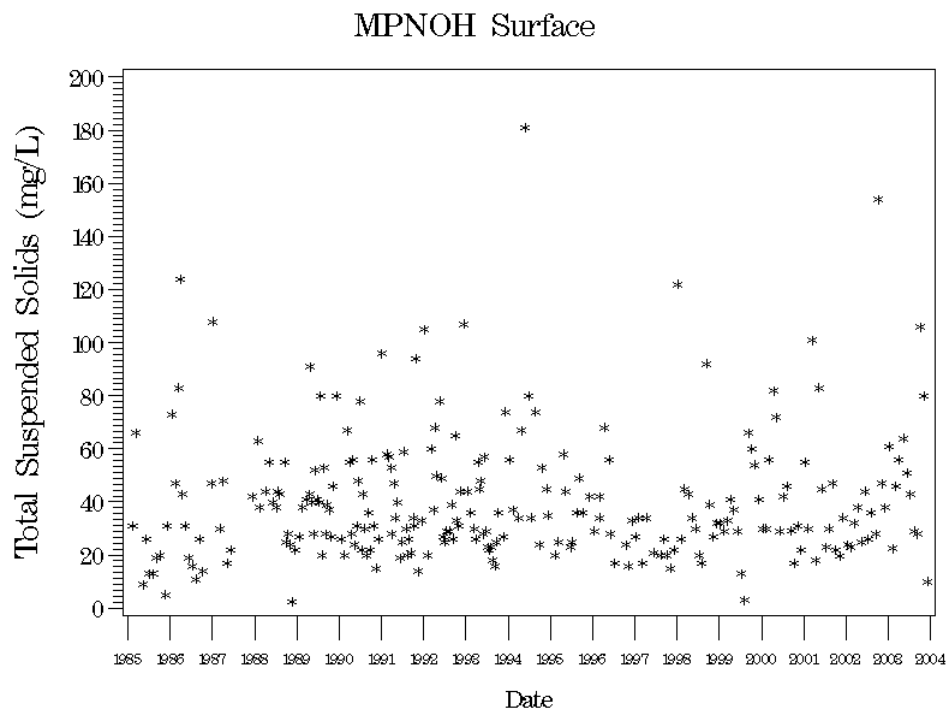


Figure 97. Scatterplot of surface total suspended solids at segment MPNOH during the period 1985 to 2002.

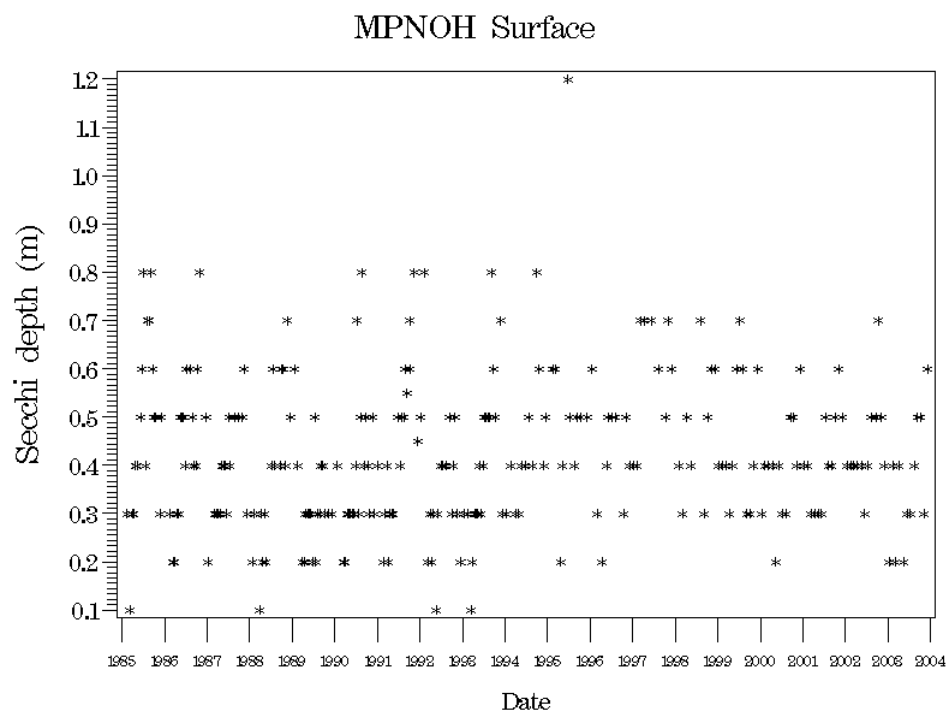


Figure 98. Scatterplot of secchi depth at segment MPNOH during the period 1985 to 2002.

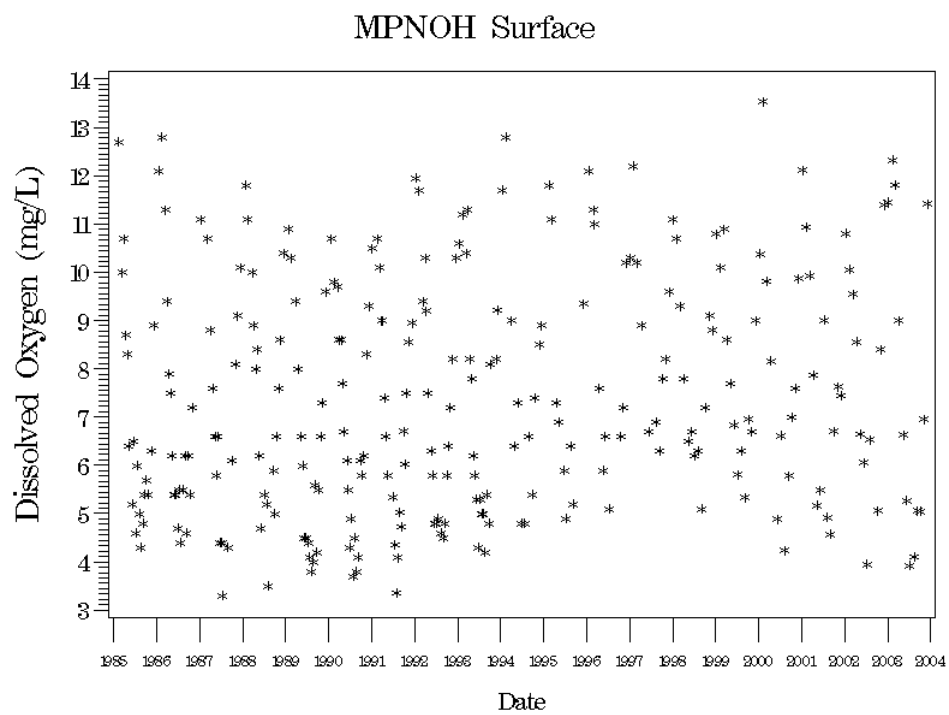


Figure 99. Scatterplot of surface dissolved oxygen at segment MPNOH during the period 1985 to 2002.



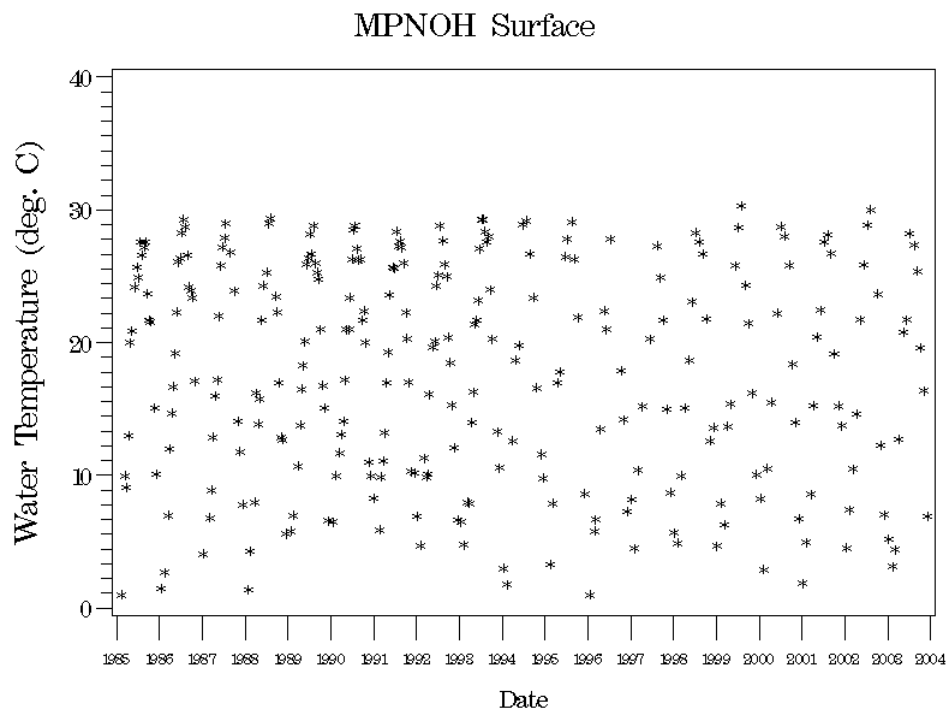


Figure 100. Scatterplot of surface water temperature at segment MPNOH during the period 1985 to 2002.

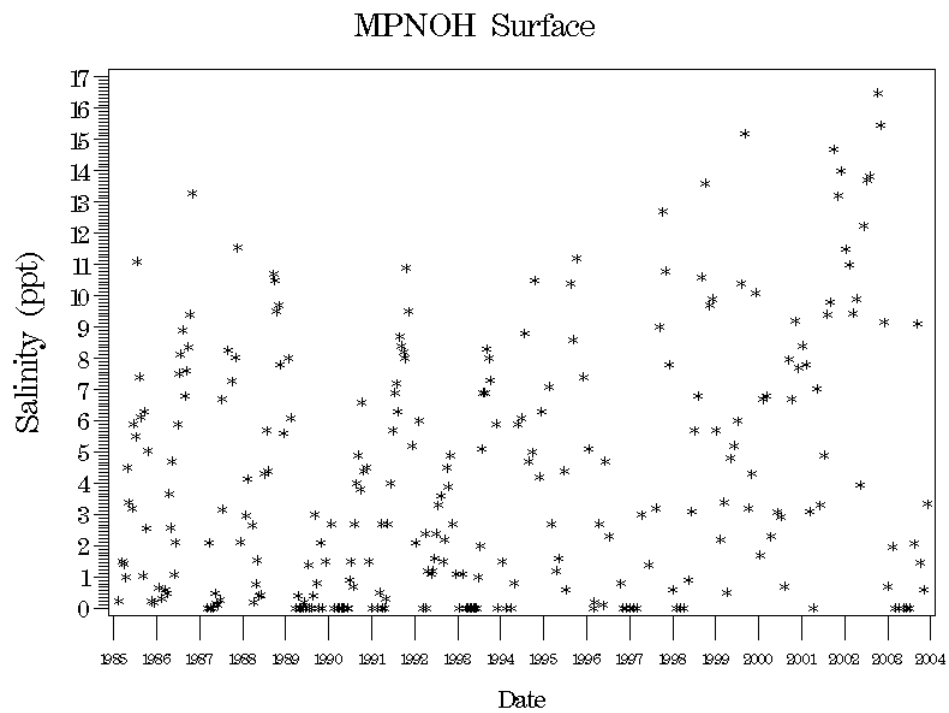


Figure 101. Scatterplot of surface salinity at segment MPNOH during the period 1985 to 2002.

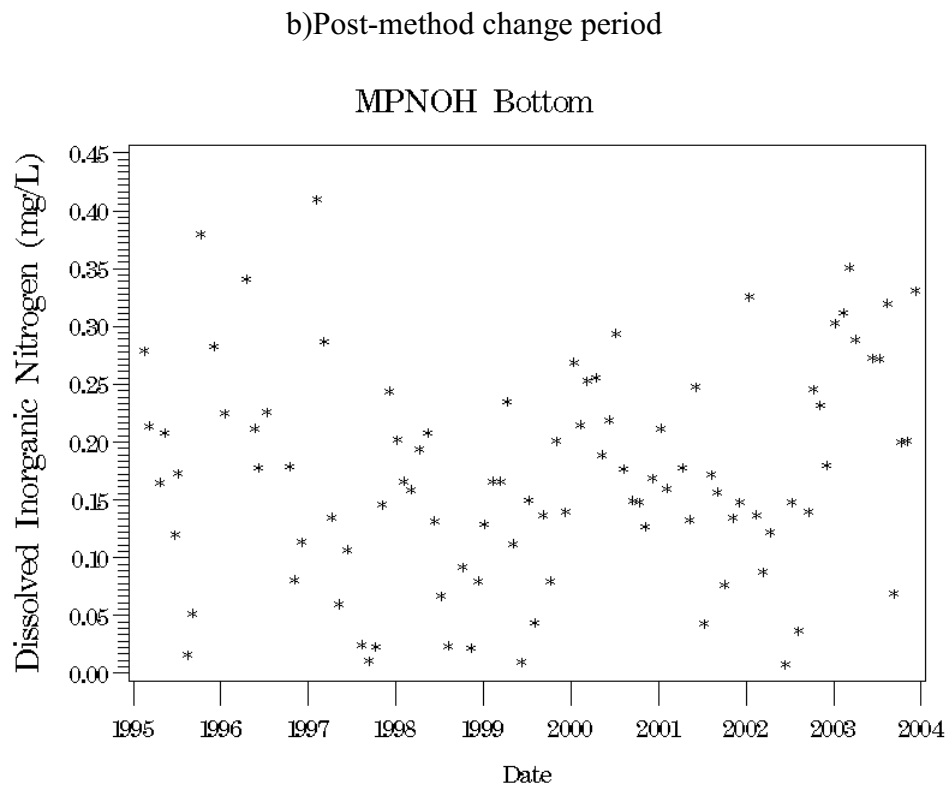
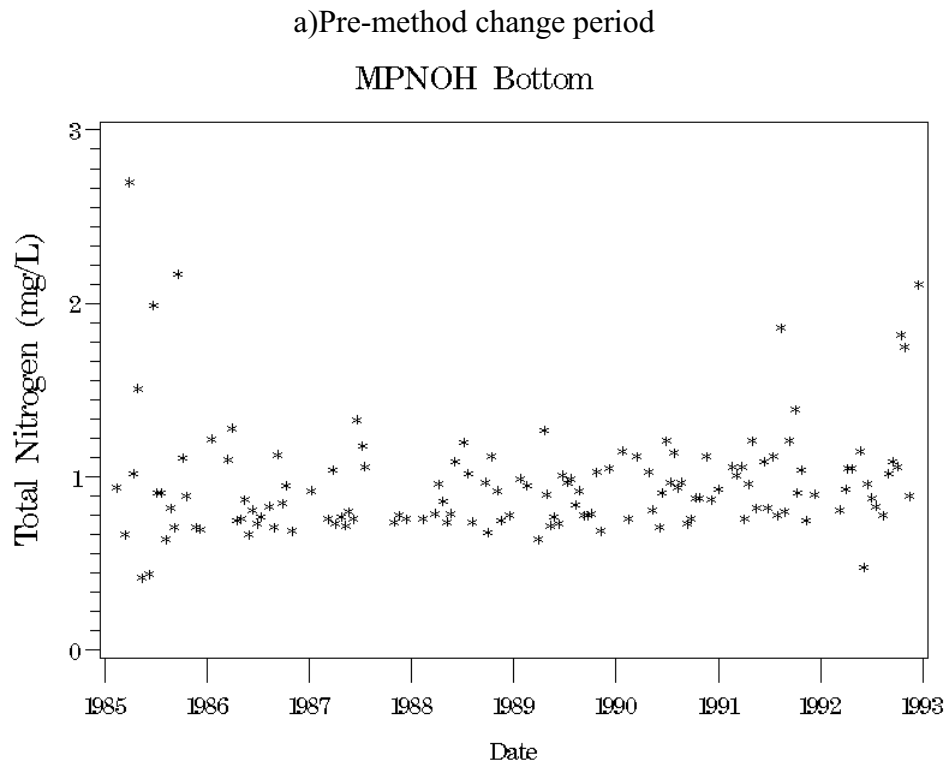


Figure 102. Scatterplots of bottom total nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

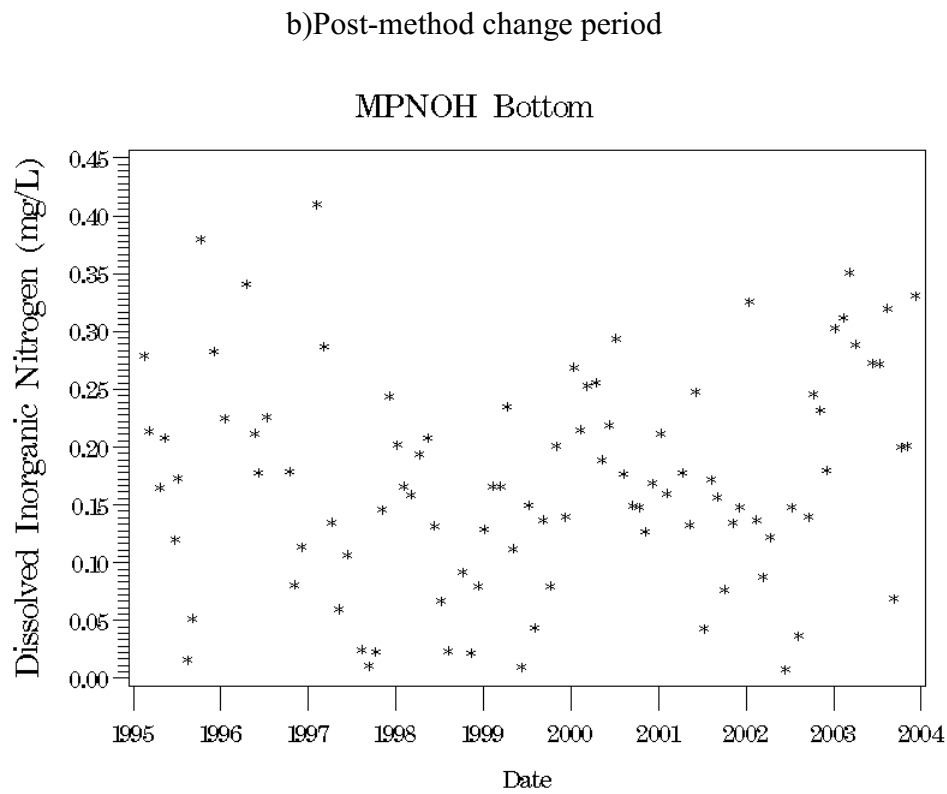
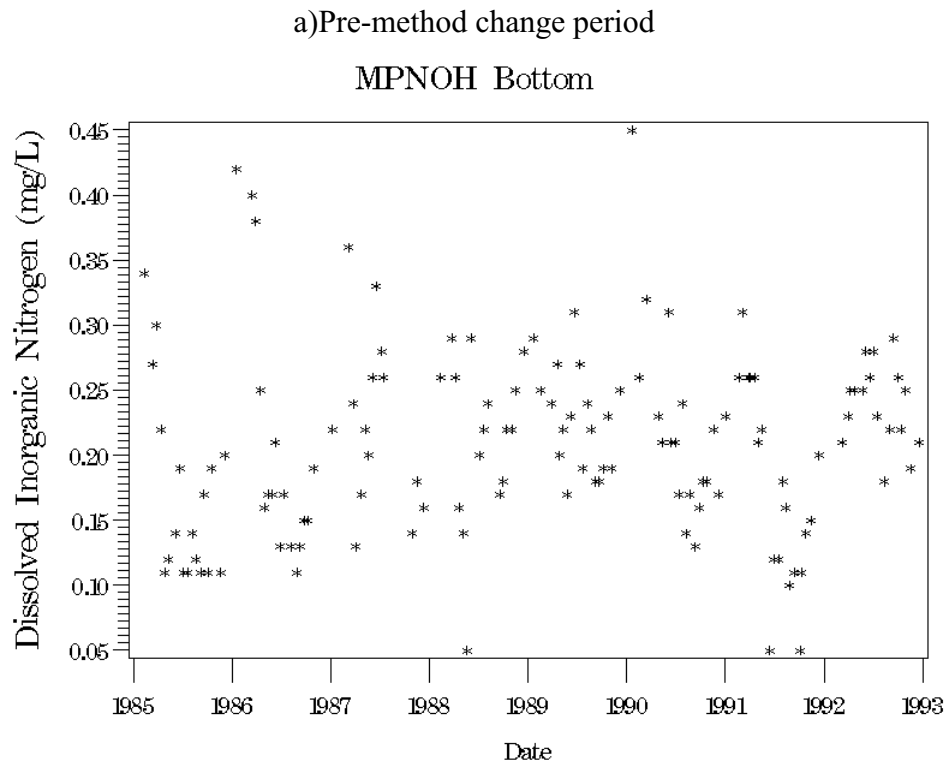
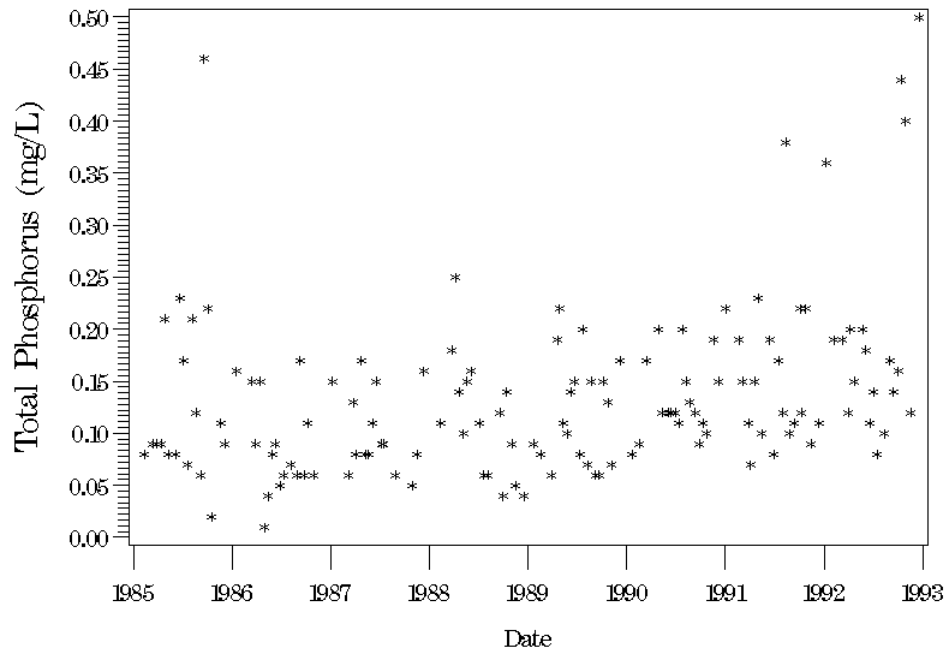


Figure 103. Scatterplots of bottom dissolved inorganic nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

a)Pre-method change period

MPNOH Bottom



b)Post-method change period

MPNOH Bottom

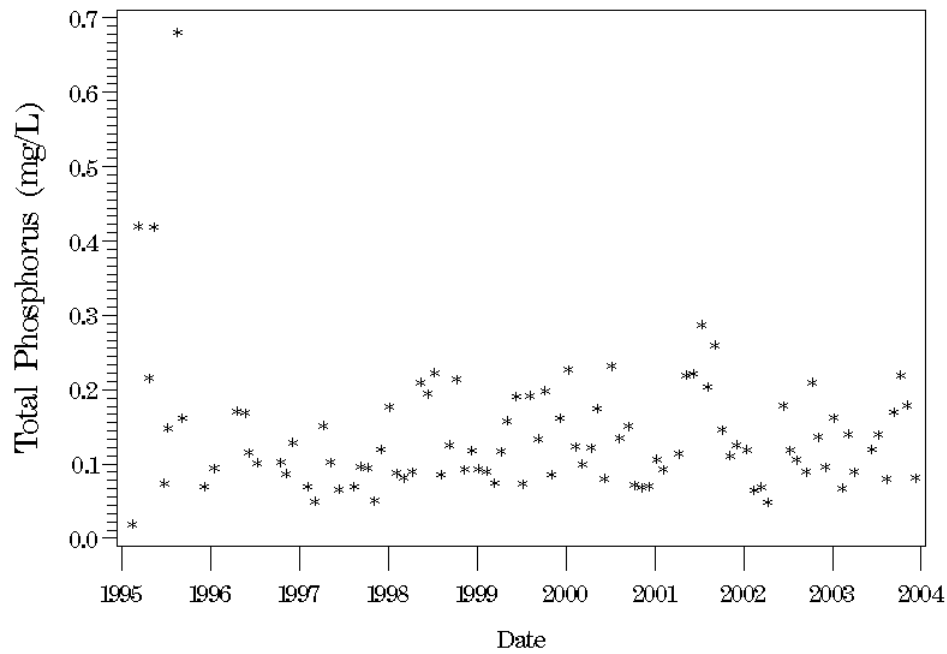


Figure 104. Scatterplots of bottom total phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

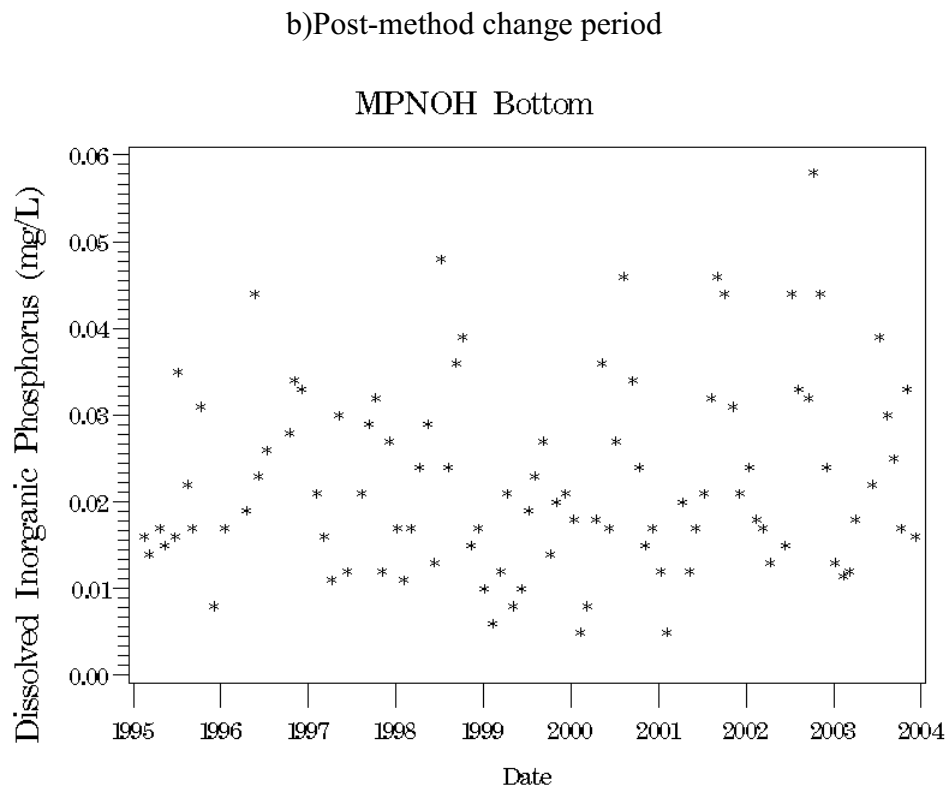
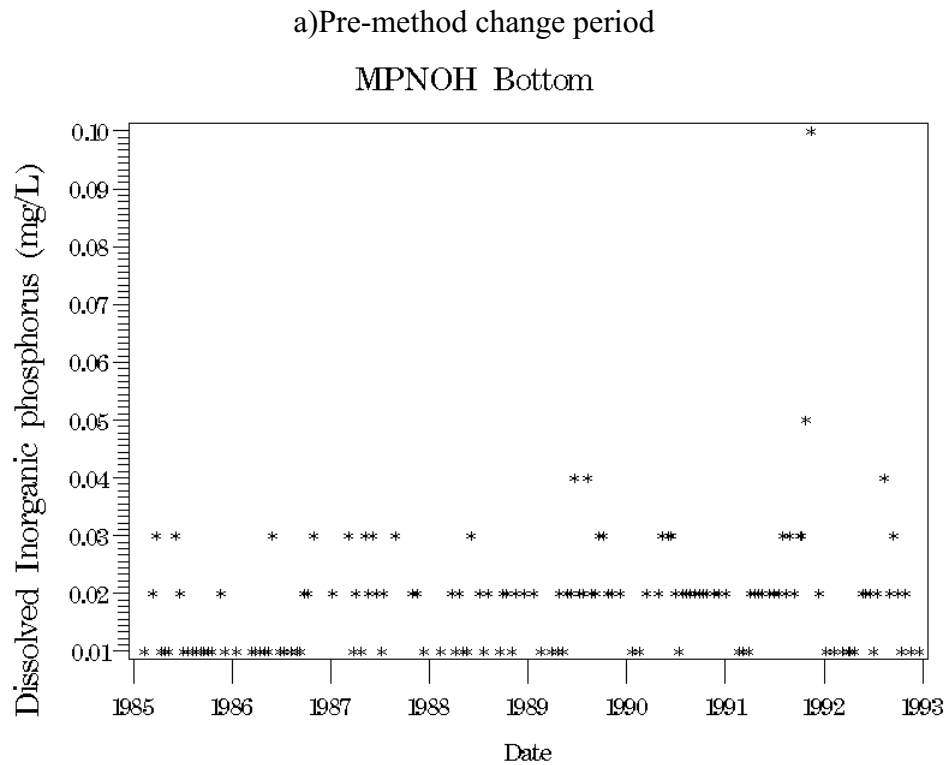


Figure 105. Scatterplots of bottom dissolved inorganic phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

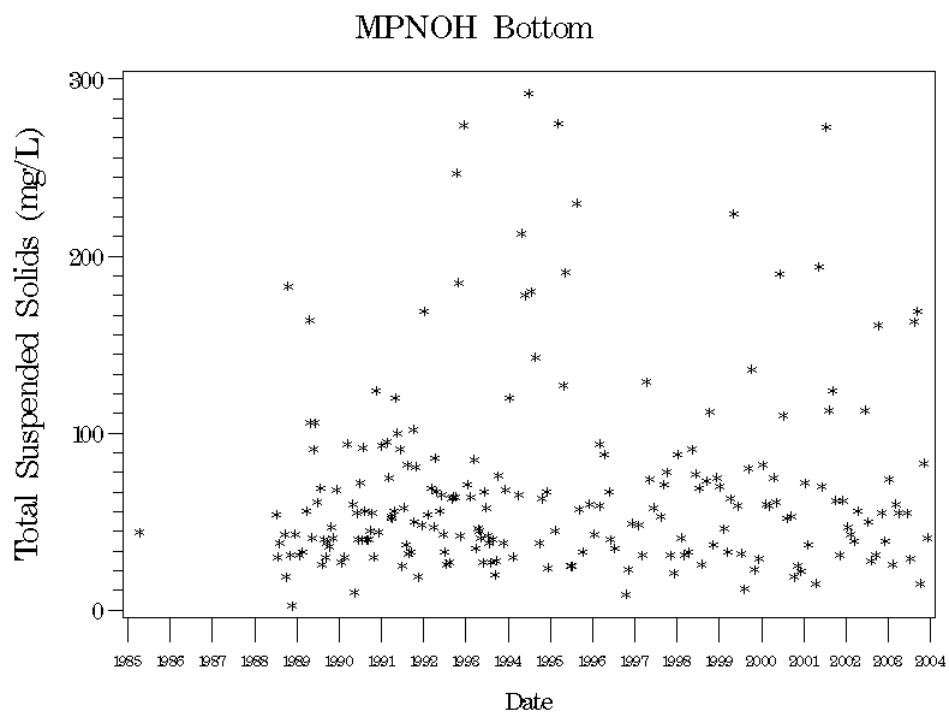


Figure 106. Scatterplot of bottom total suspended solids at segment MPNOH during the period 1985 to 2002.

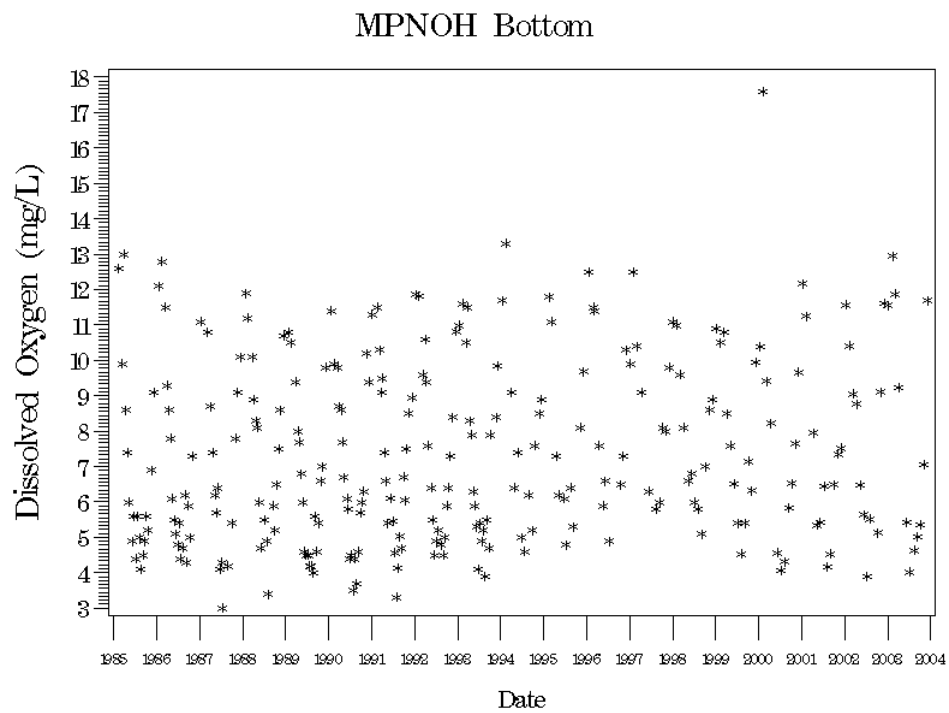


Figure 107. Scatterplot of bottom dissolved oxygen at segment MPNOH during the period 1985 to 2002.



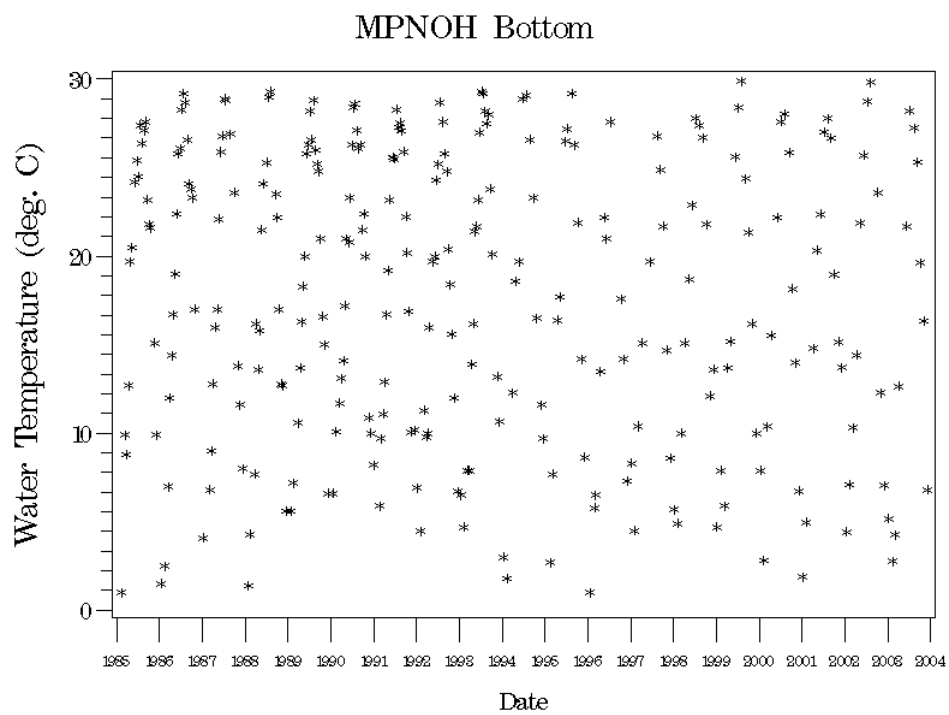


Figure 108. Scatterplot of bottom water temperature at segment MPNOH during the period 1985 to 2002.

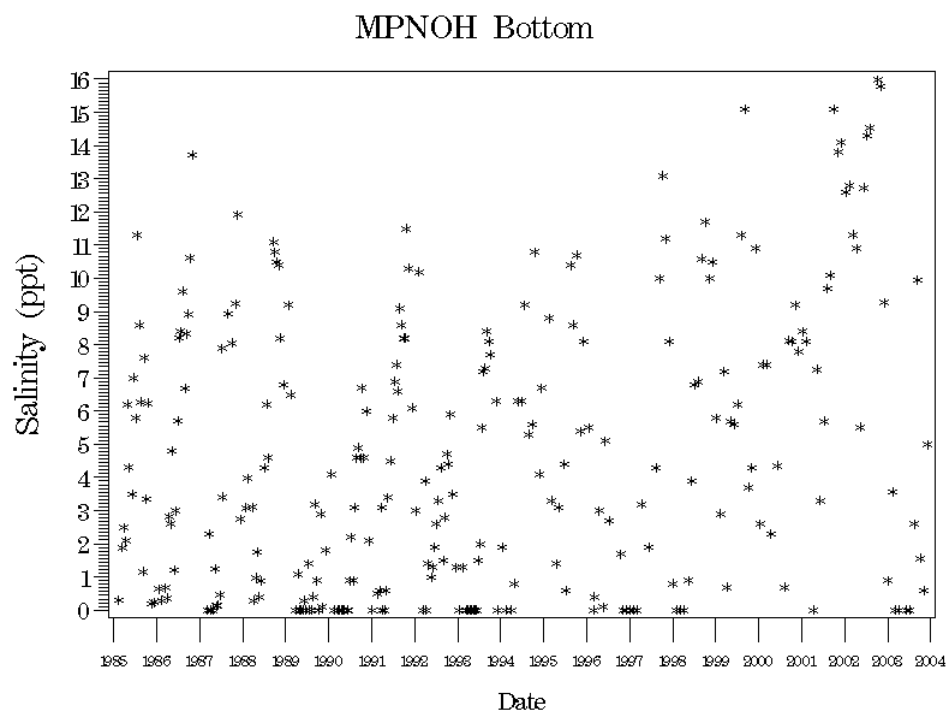


Figure 109. Scatterplot of bottom salinity at segment MPNOH during the period 1985 to 2002.

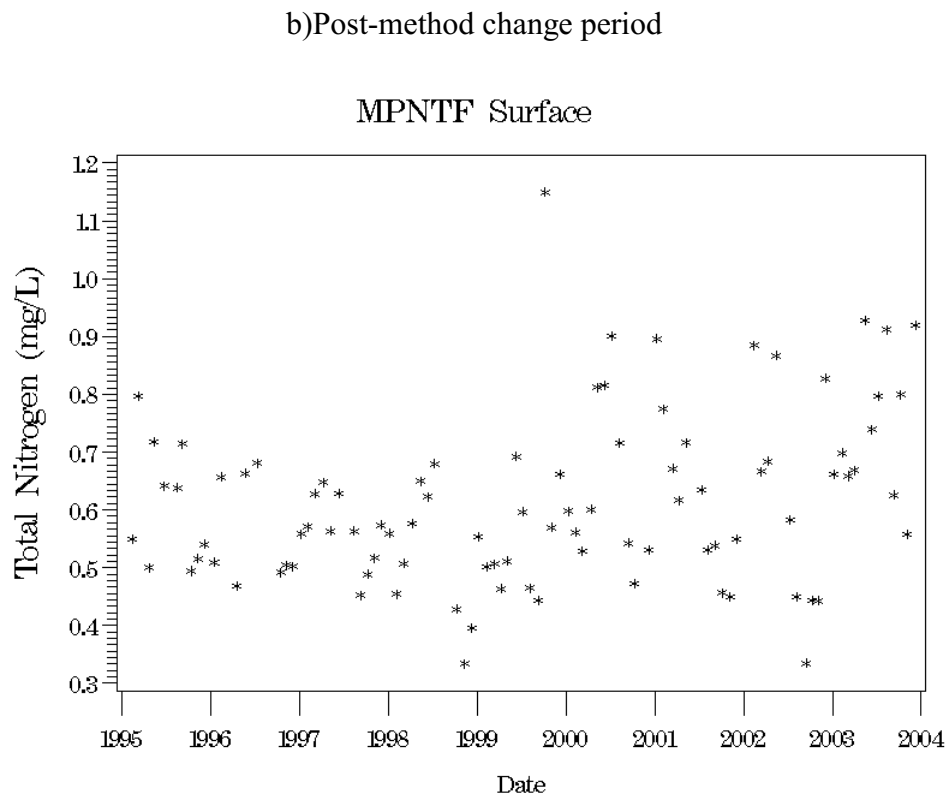
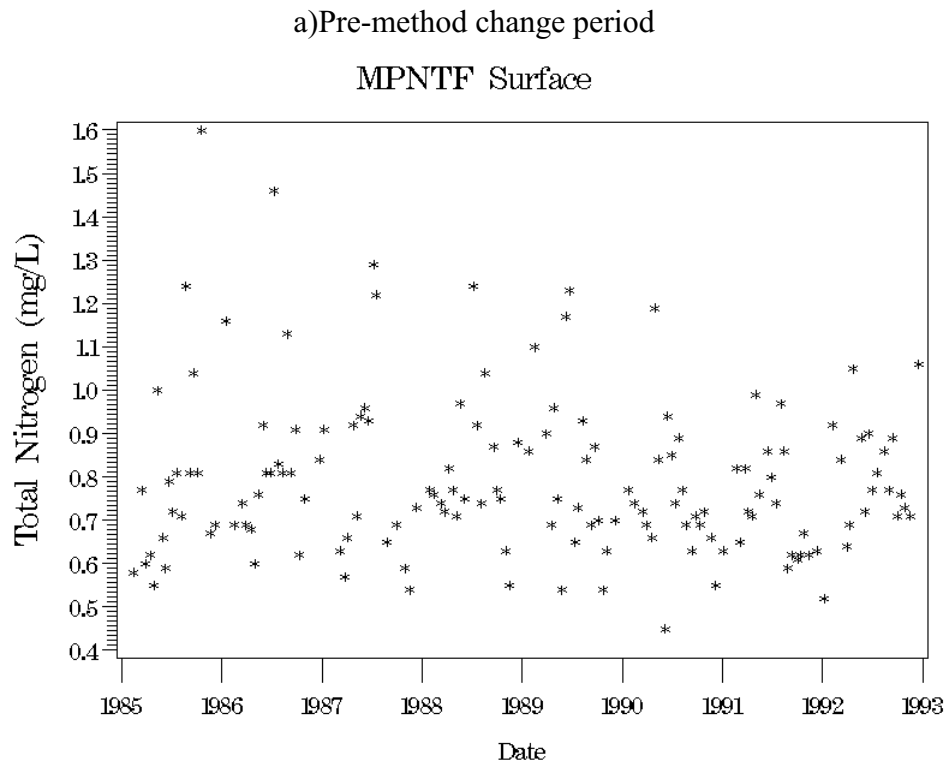


Figure 110. Scatterplots of surface total nitrogen at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

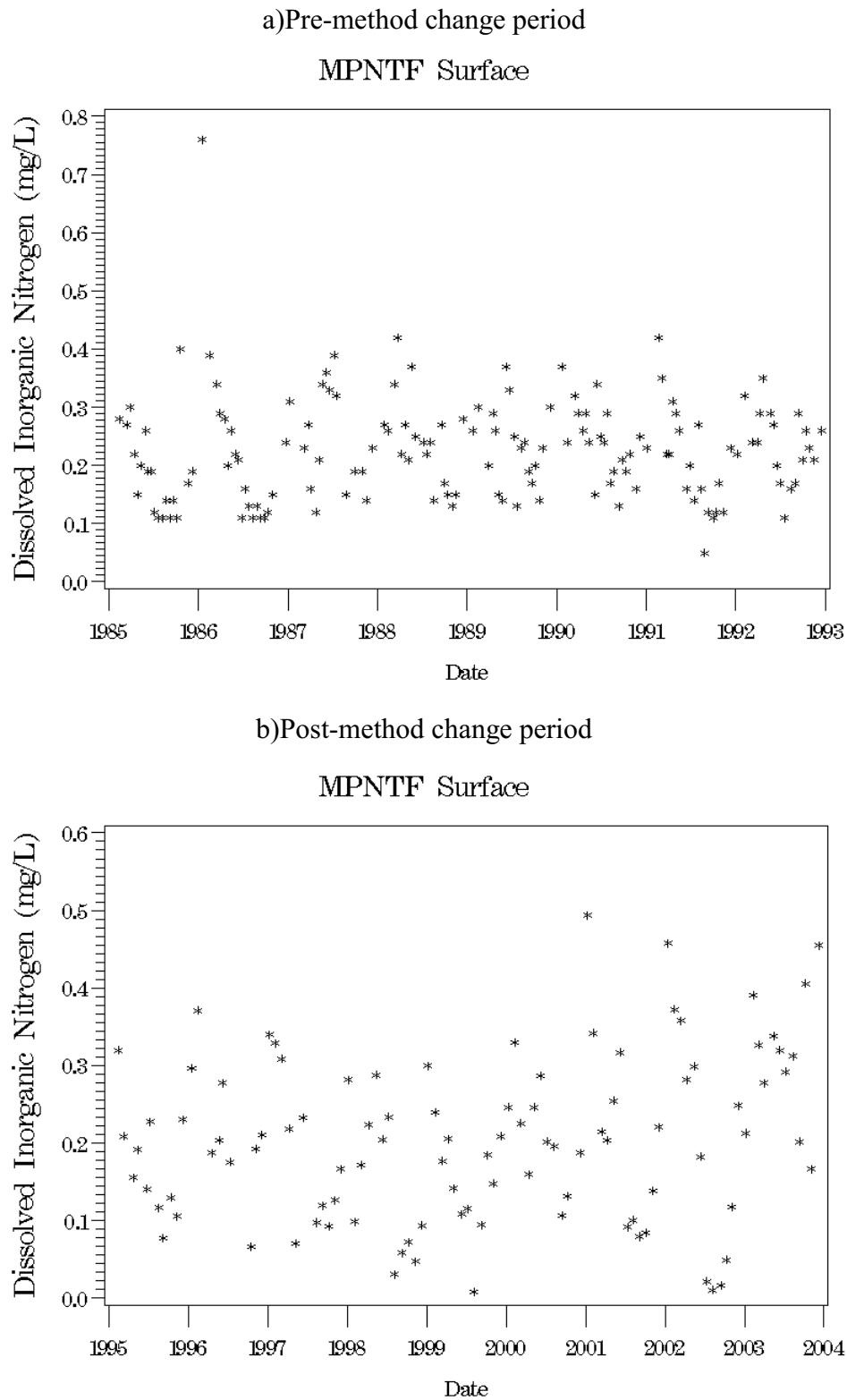


Figure 111. Scatterplots of surface dissolved inorganic nitrogen at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

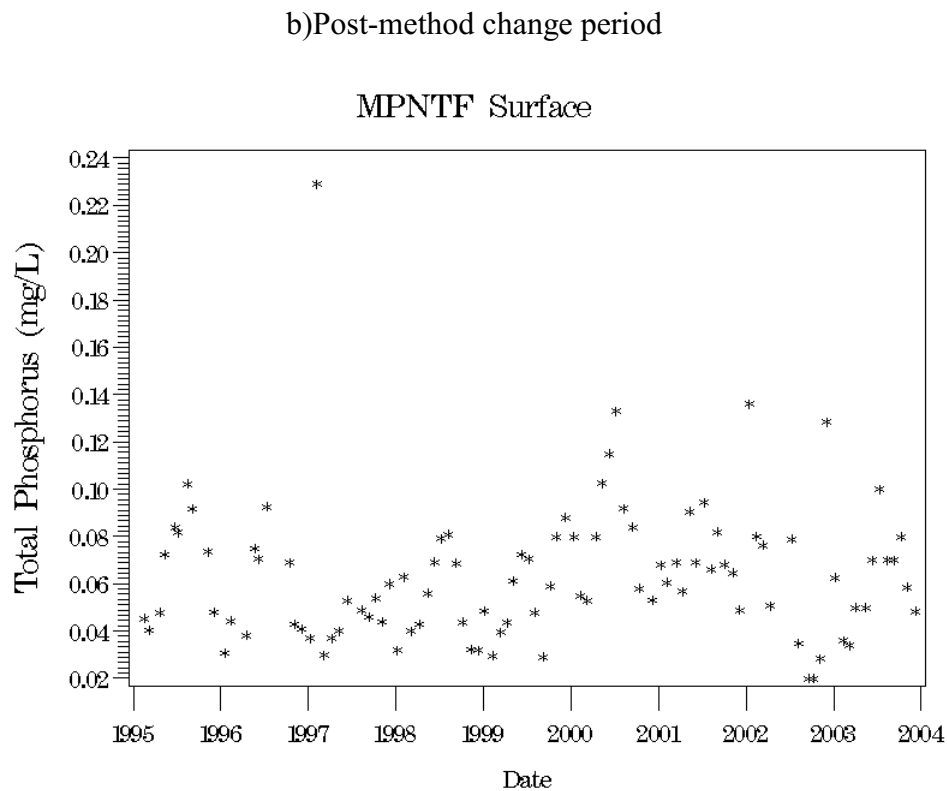
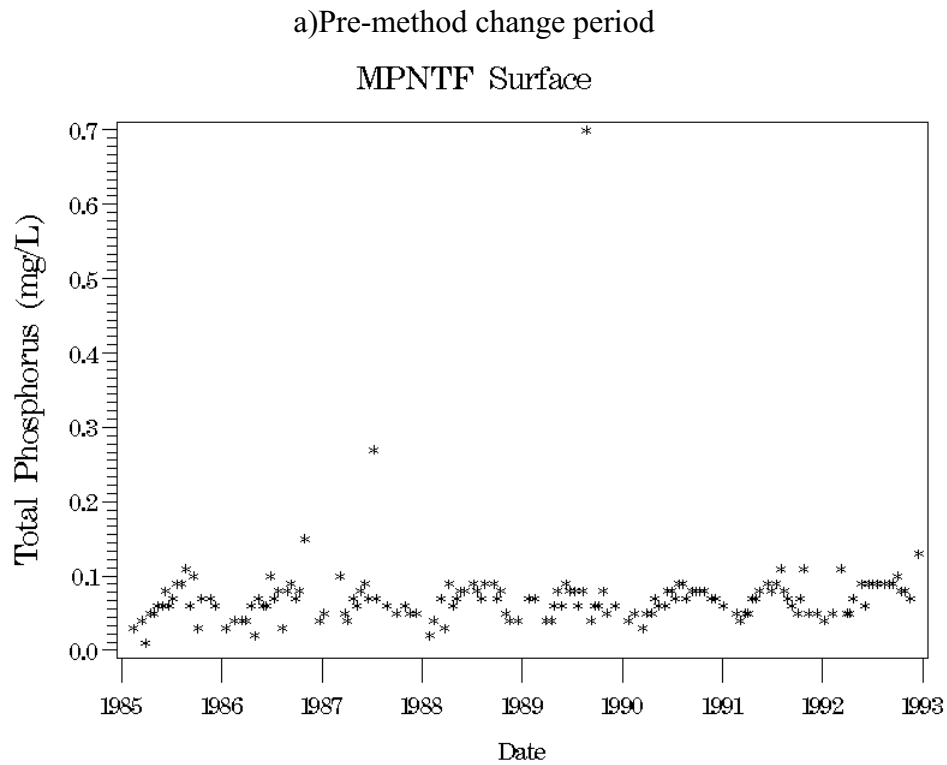
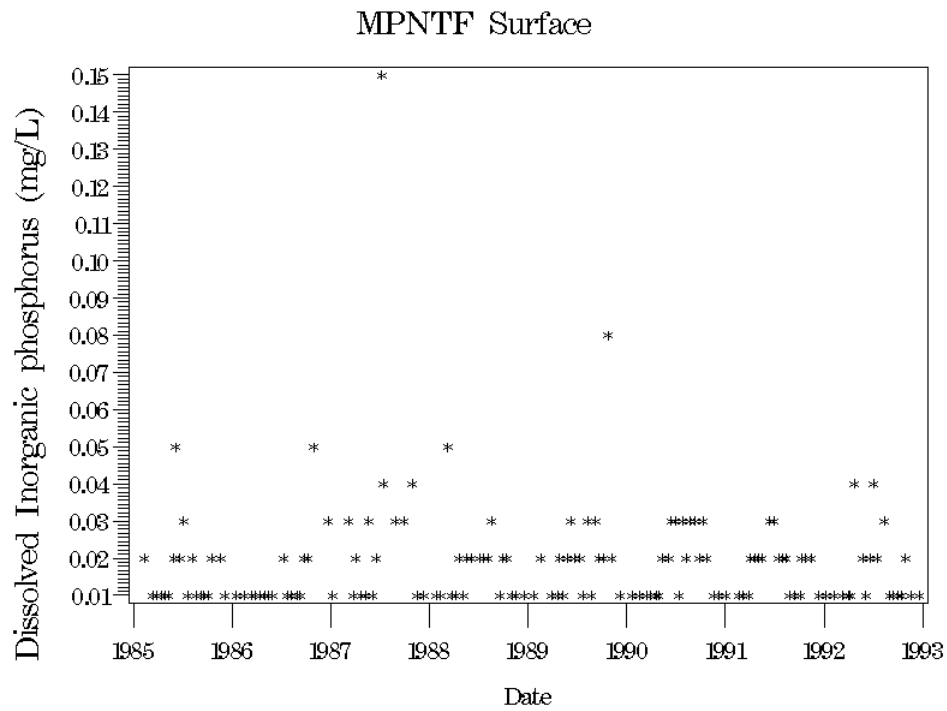


Figure 112. Scatterplots of surface total phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

a)Pre-method change period



b)Post-method change period

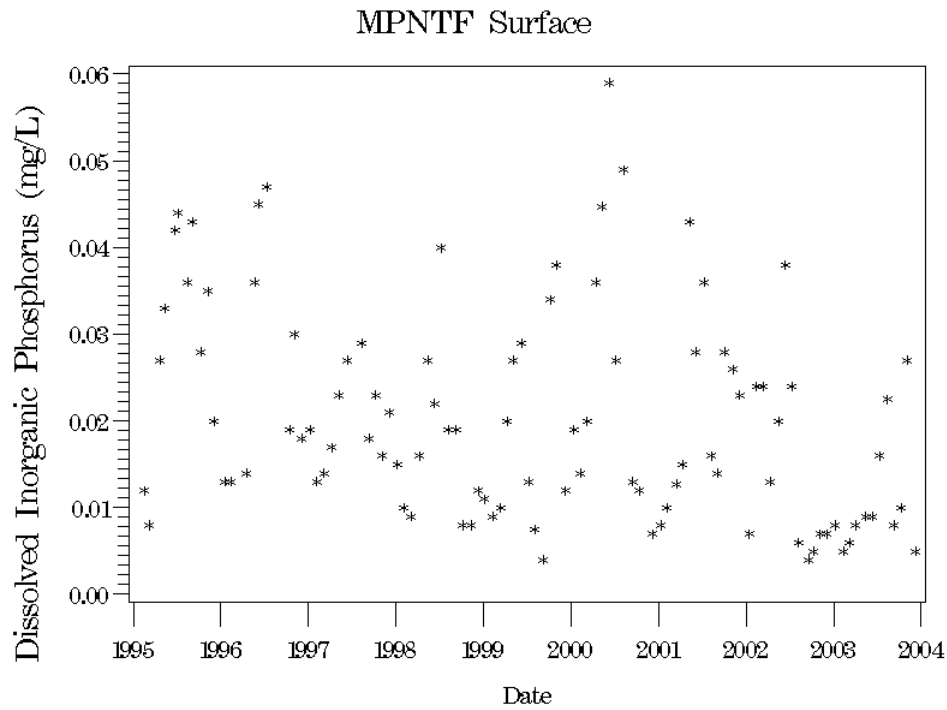


Figure 113. Scatterplots of surface dissolved inorganic phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

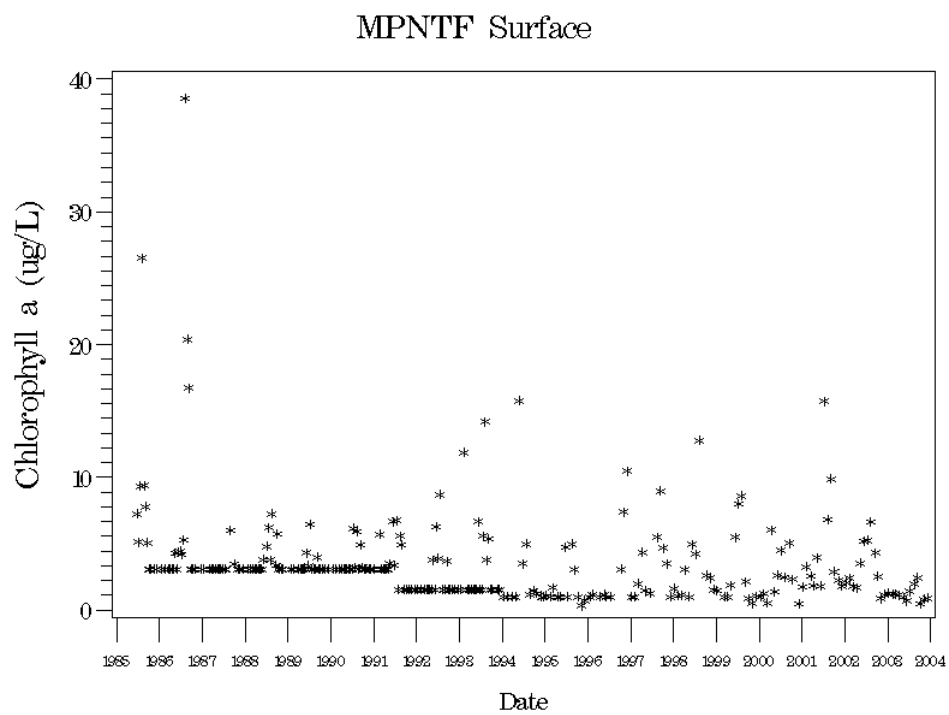


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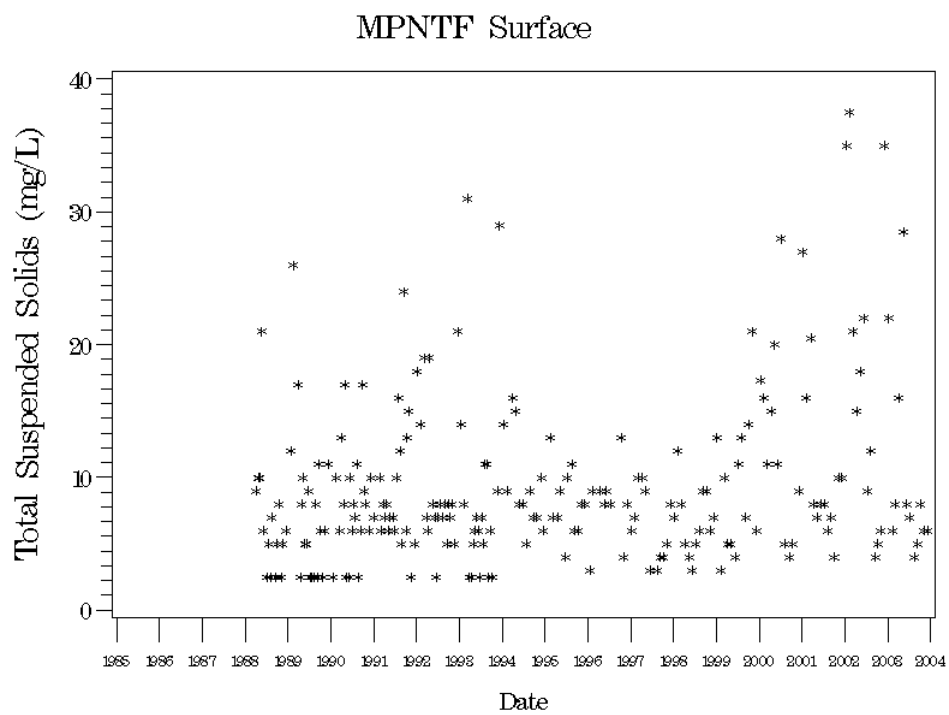


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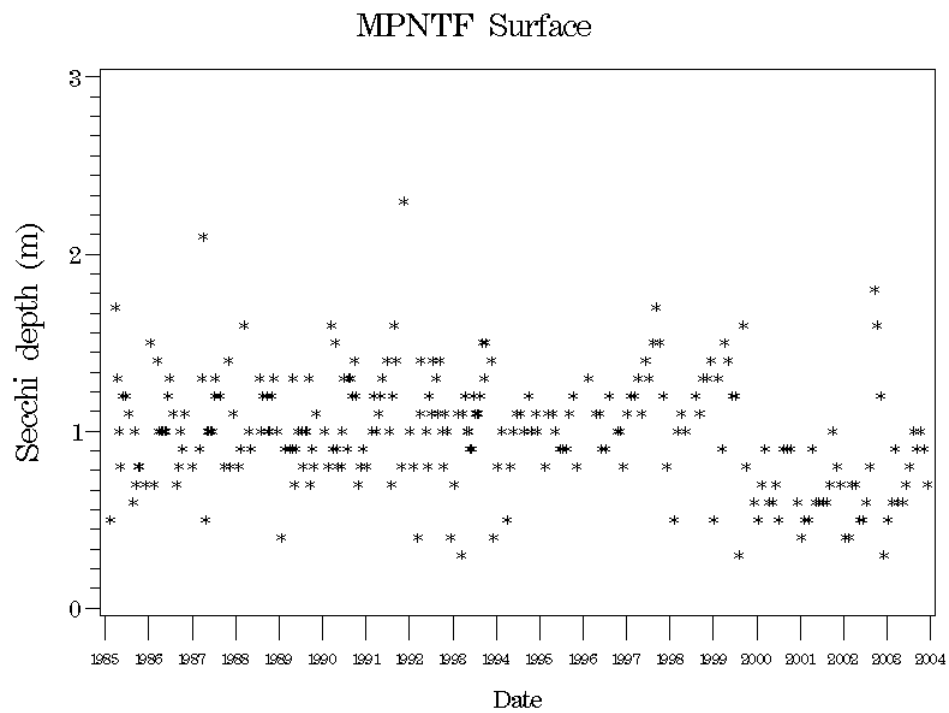


Figure 116. Scatterplot of secchi depth at segment MPNTF during the period 1985 to 2002.

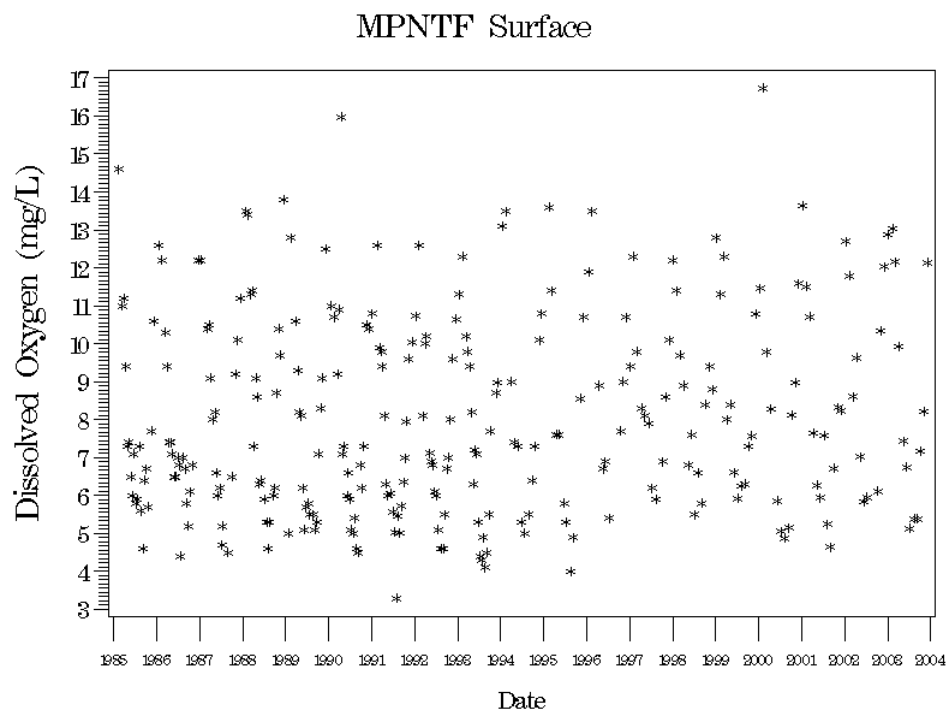


Figure 117. Scatterplot of surface dissolved oxygen at segment MPNTF during the period 1985 to 2002.

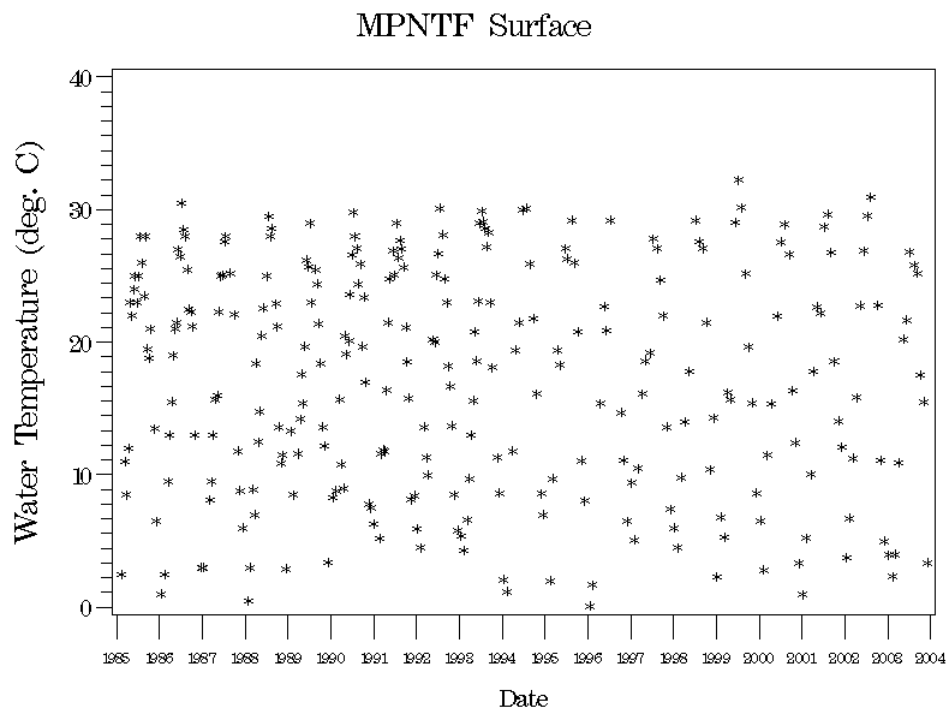


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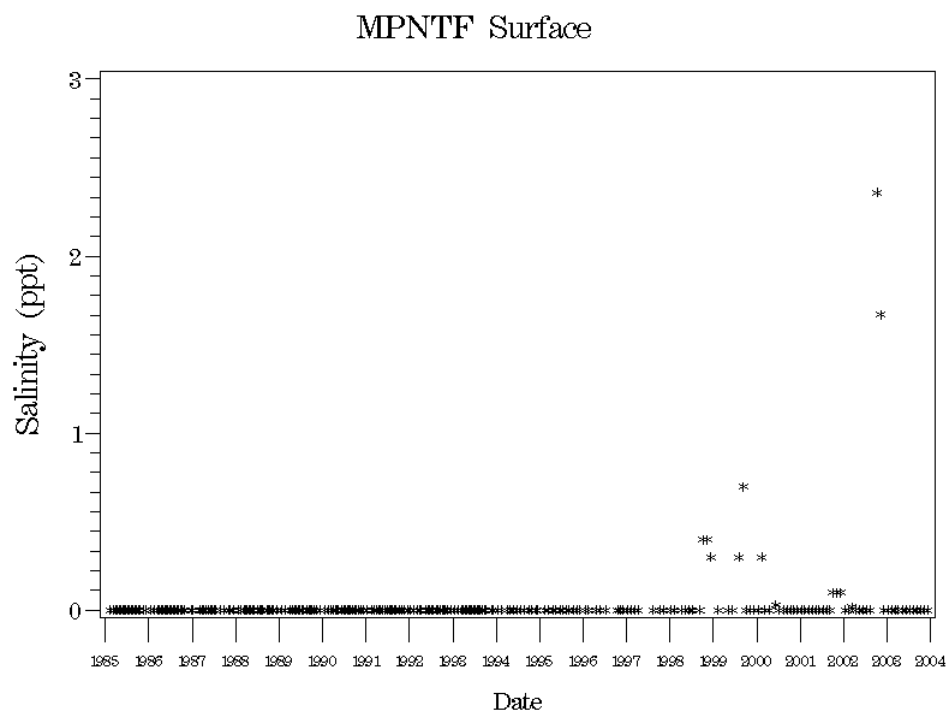
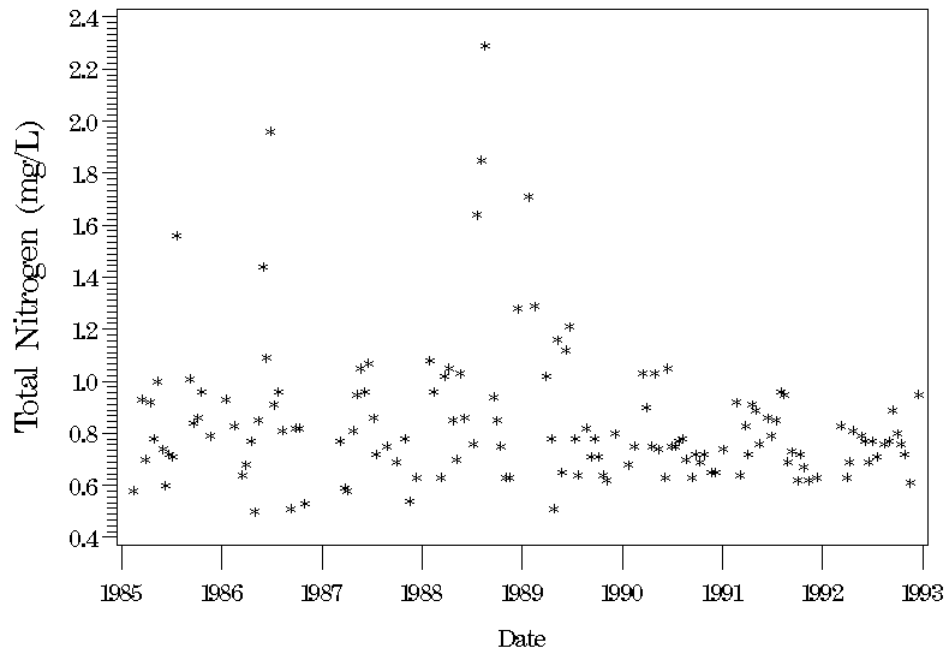


Figure 119. Scatterplot of surface salinity at segment MPNTF during the period 1985 to 2002.

a)Pre-method change period

MPNTF Bottom



b)Post-method change period

MPNTF Bottom

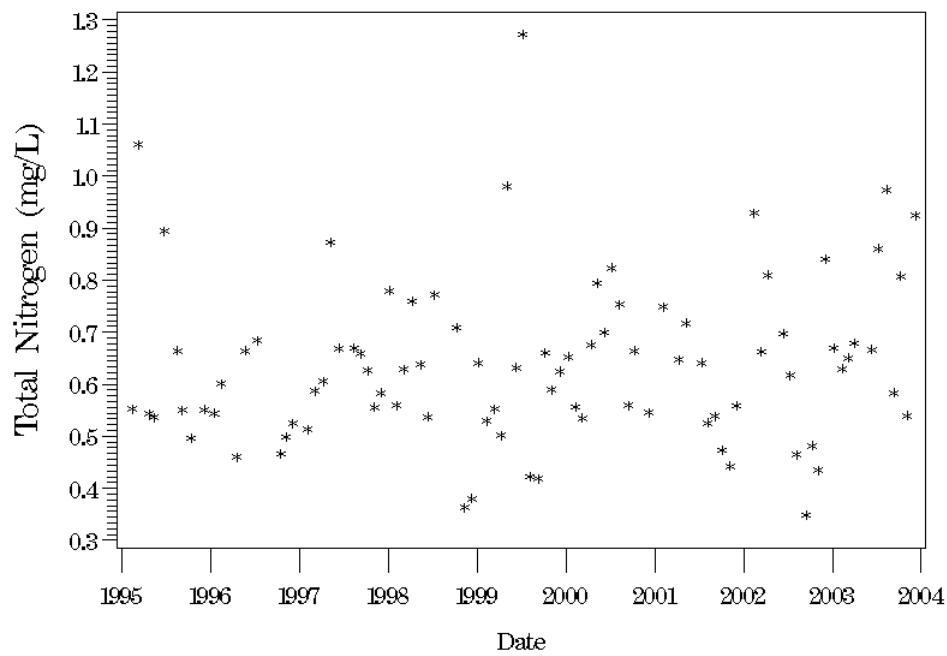


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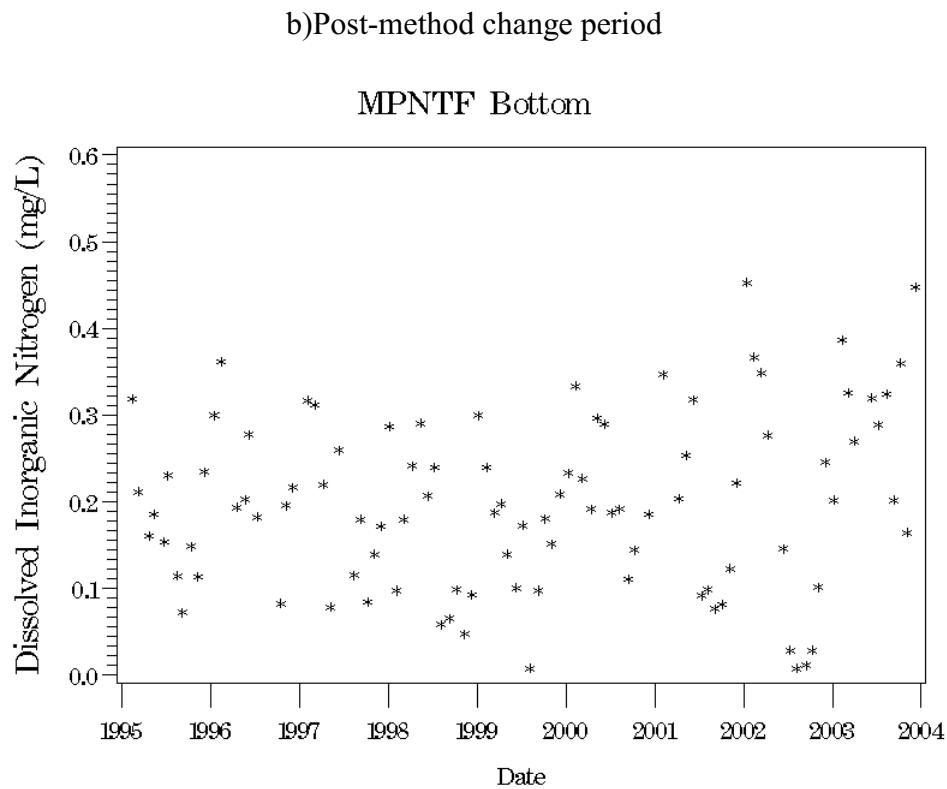
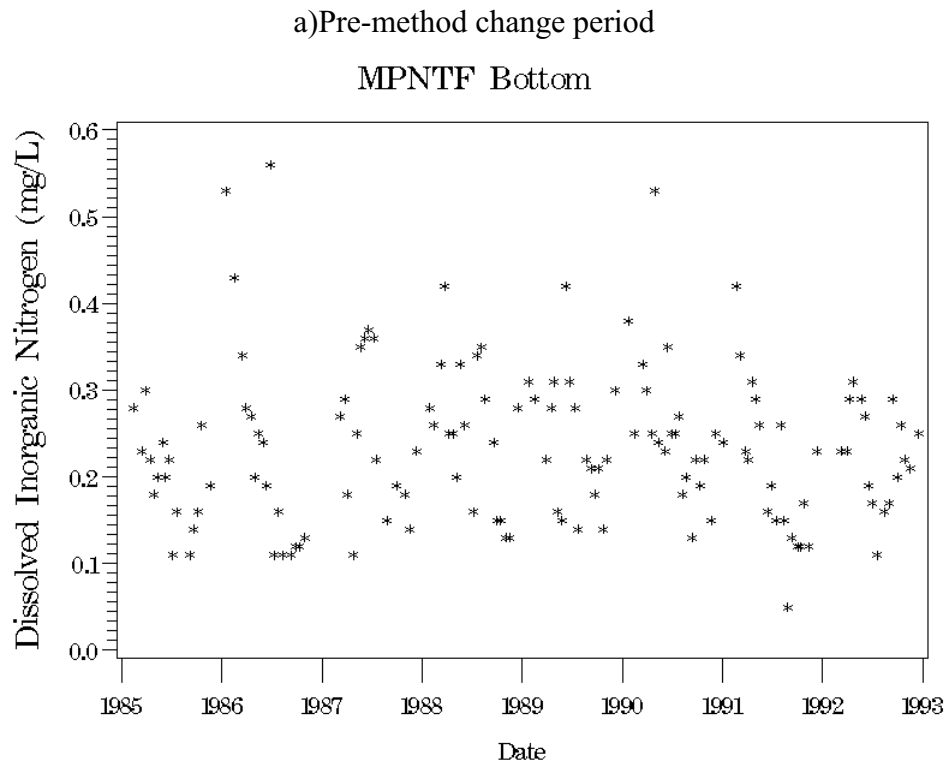


Figure 121. Scatterplots of bottom dissolved inorganic nitrogen at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.

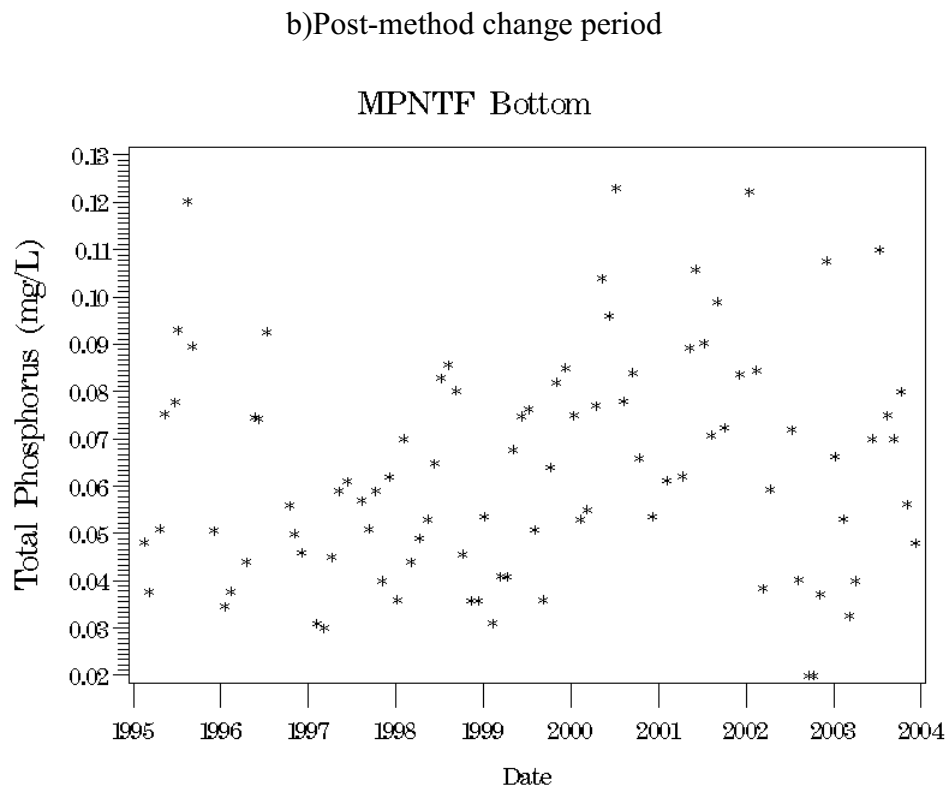
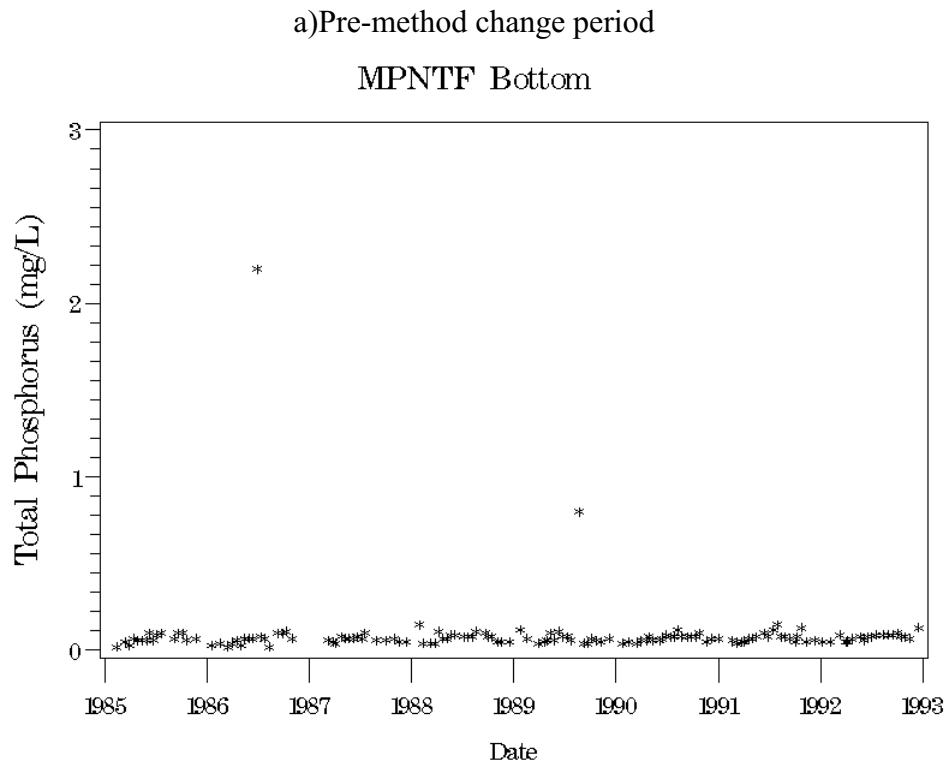


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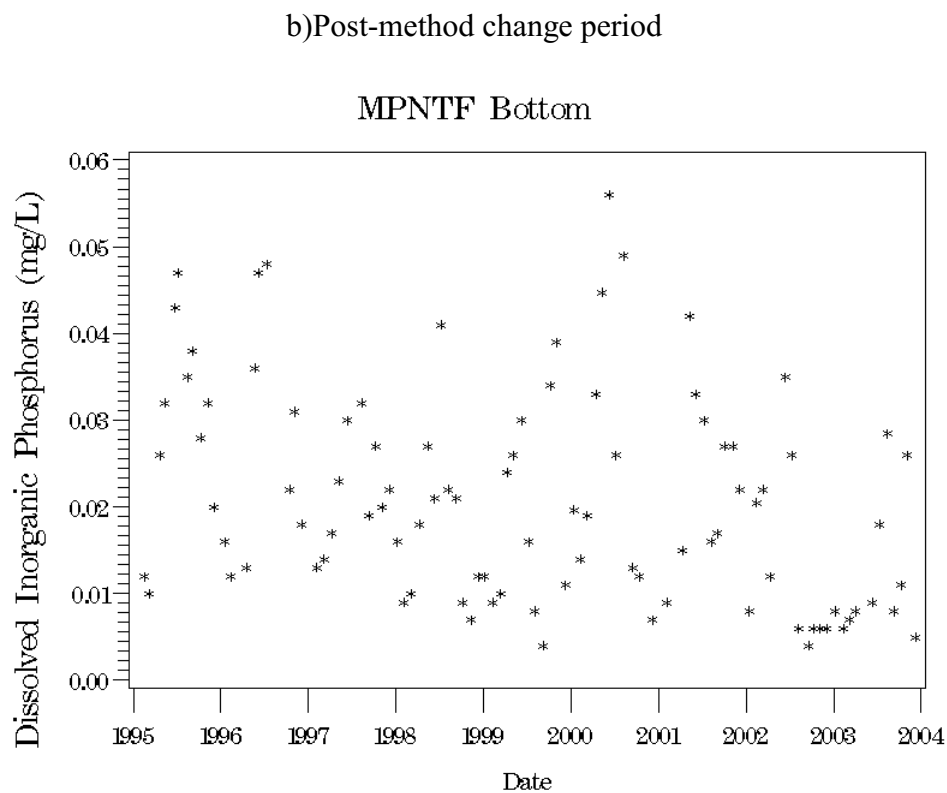
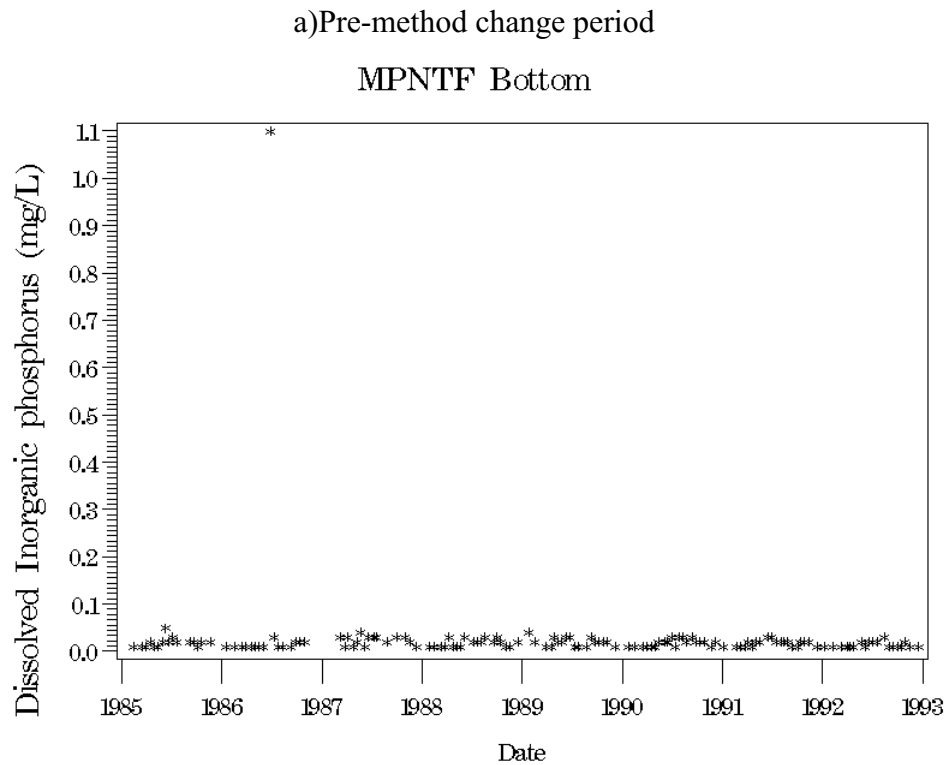


Figure 123. Scatterplots of bottom dissolved inorganic phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2002) periods.



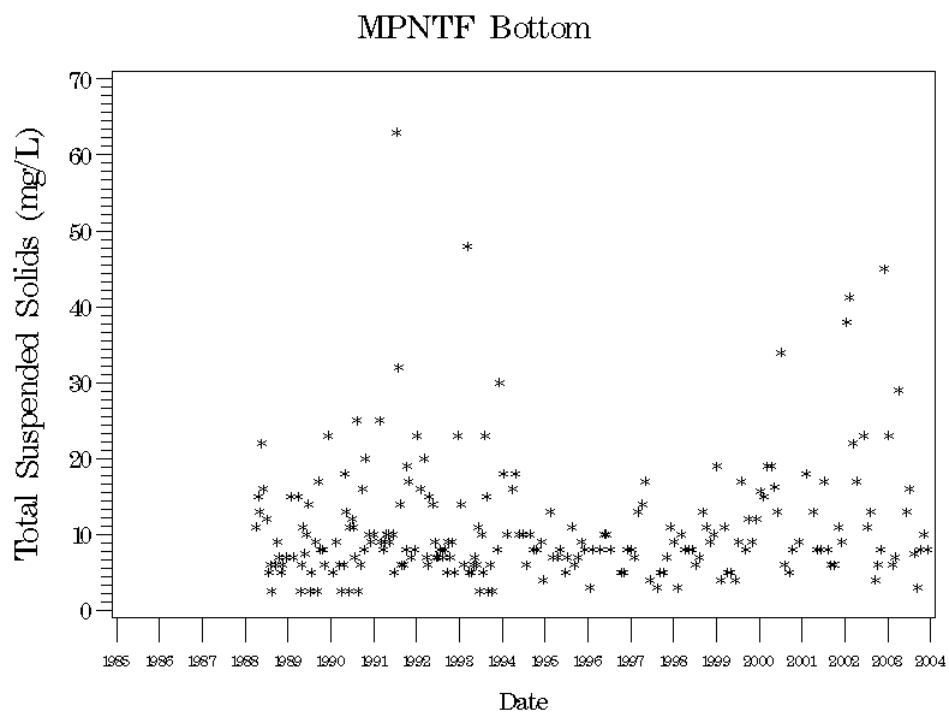


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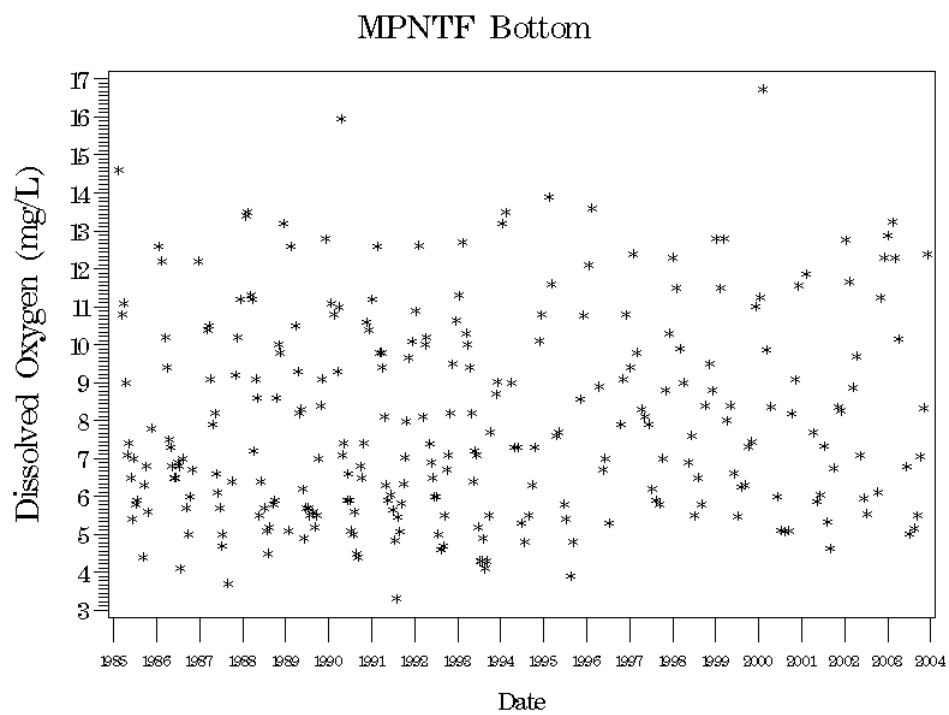


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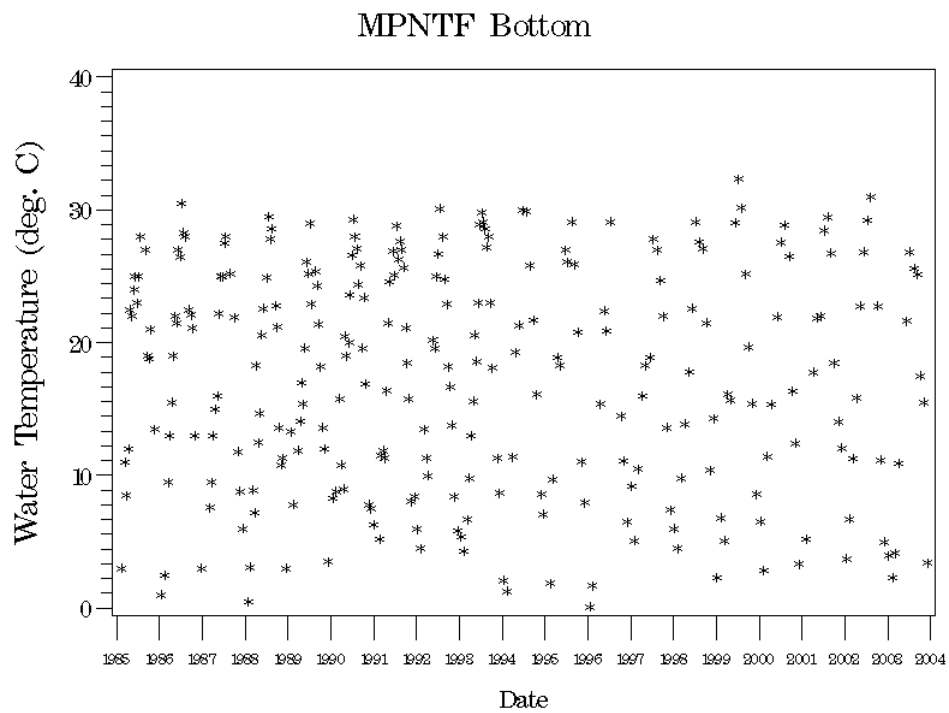


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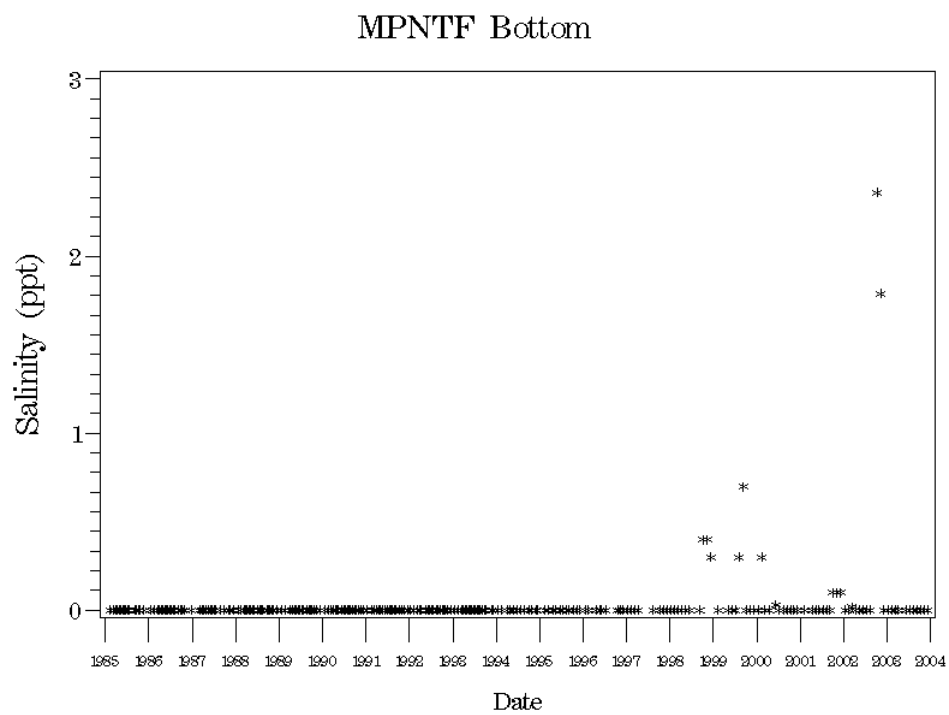


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**Appendix C - Water Quality Scatterplots**  
**Section IV - Rappahannock River**

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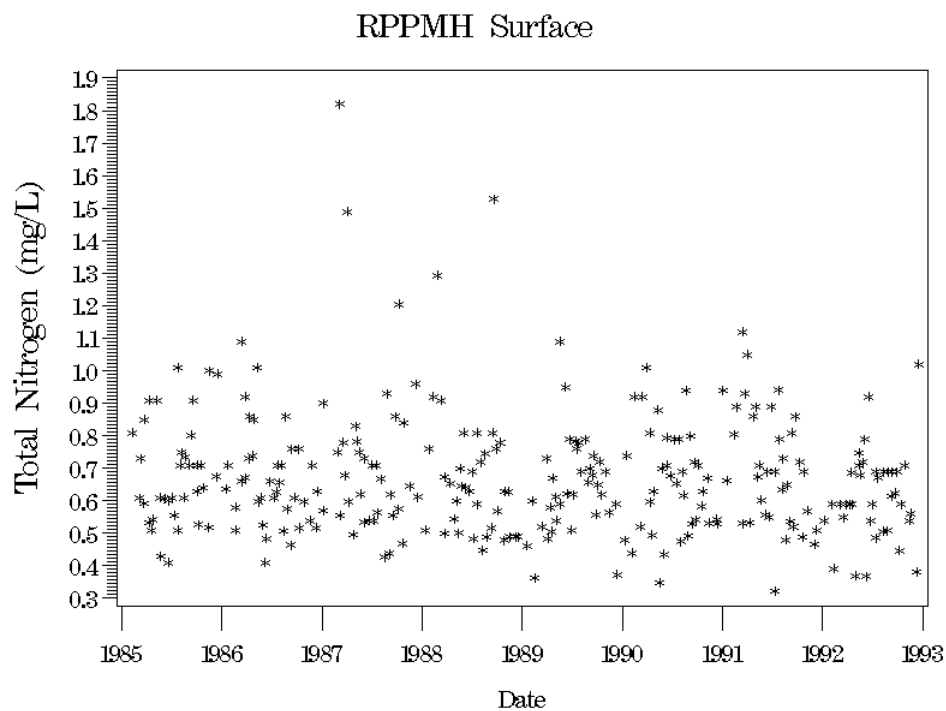
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a) Pre-method change period



b) Post-method change period

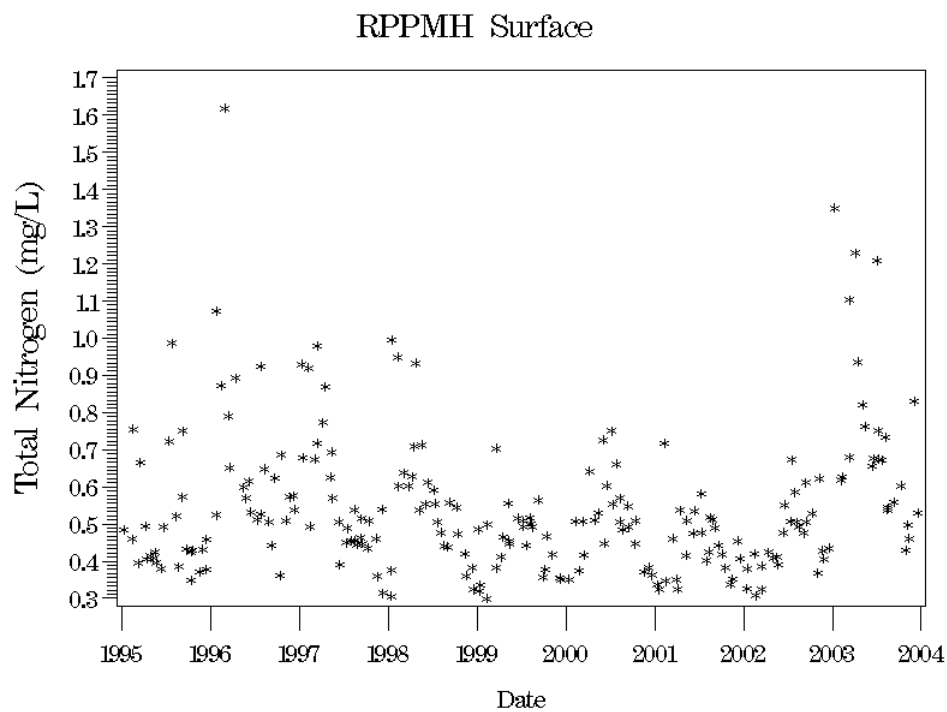
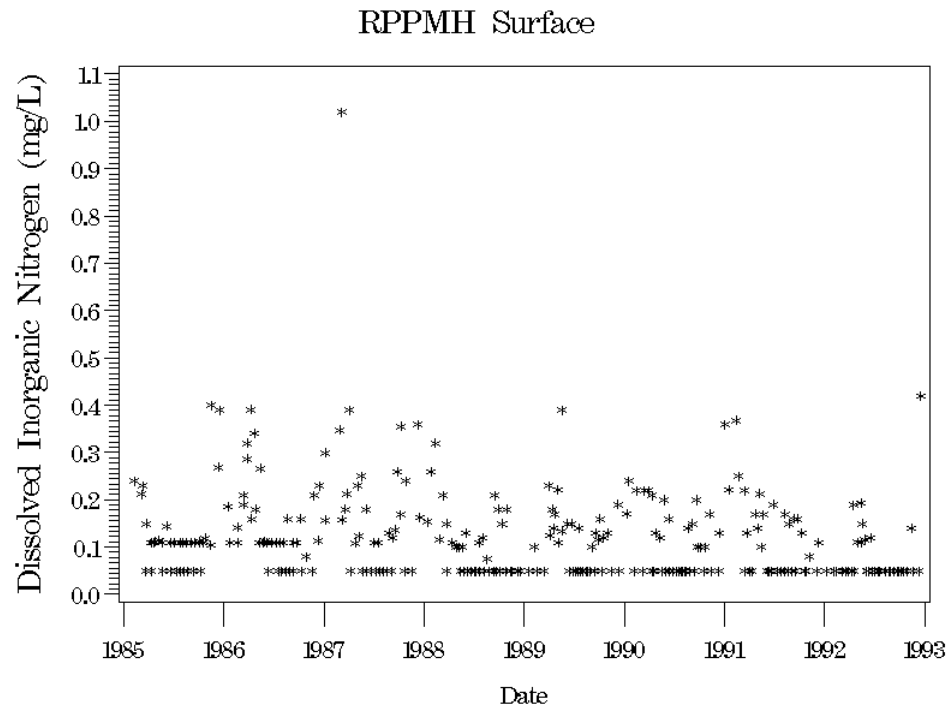


Figure 1. Scatterplots of surface total nitrogen at segment RPPMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

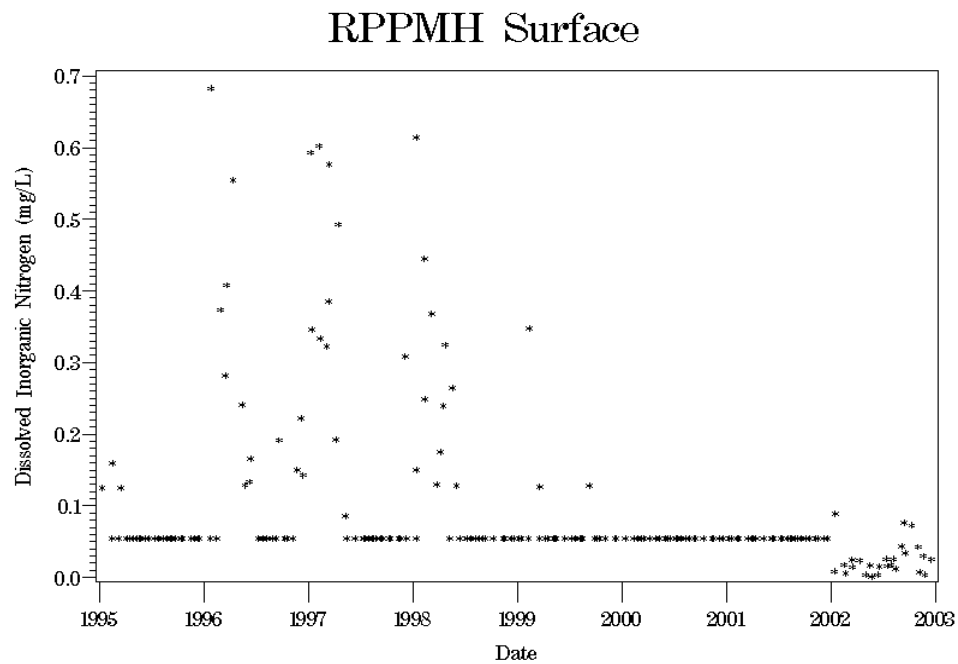
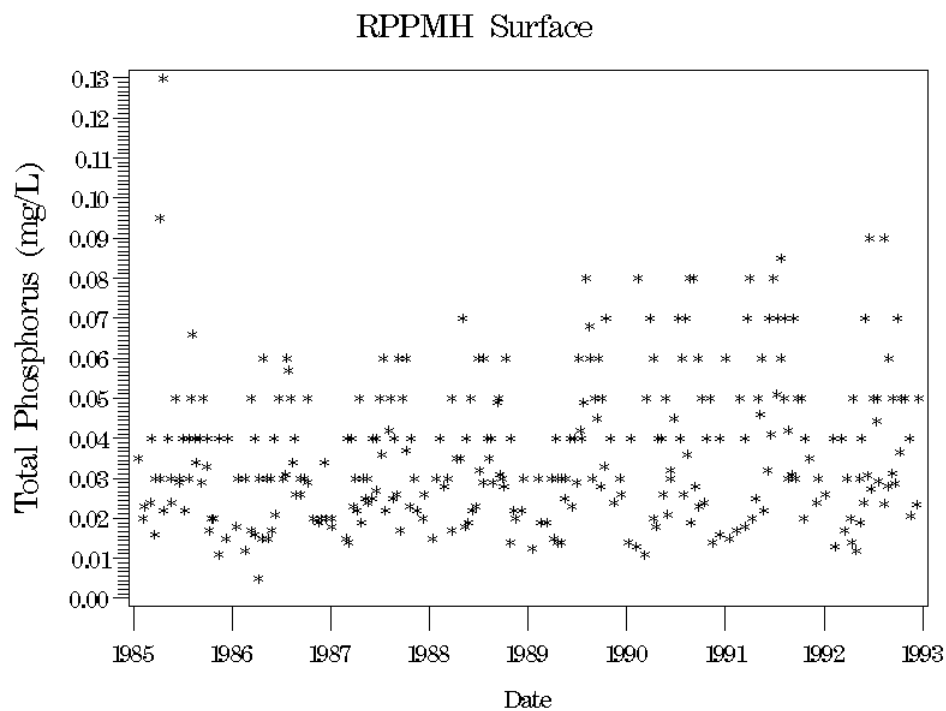


Figure 2. Scatterplots of surface dissolved inorganic nitrogen at segment RPPMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

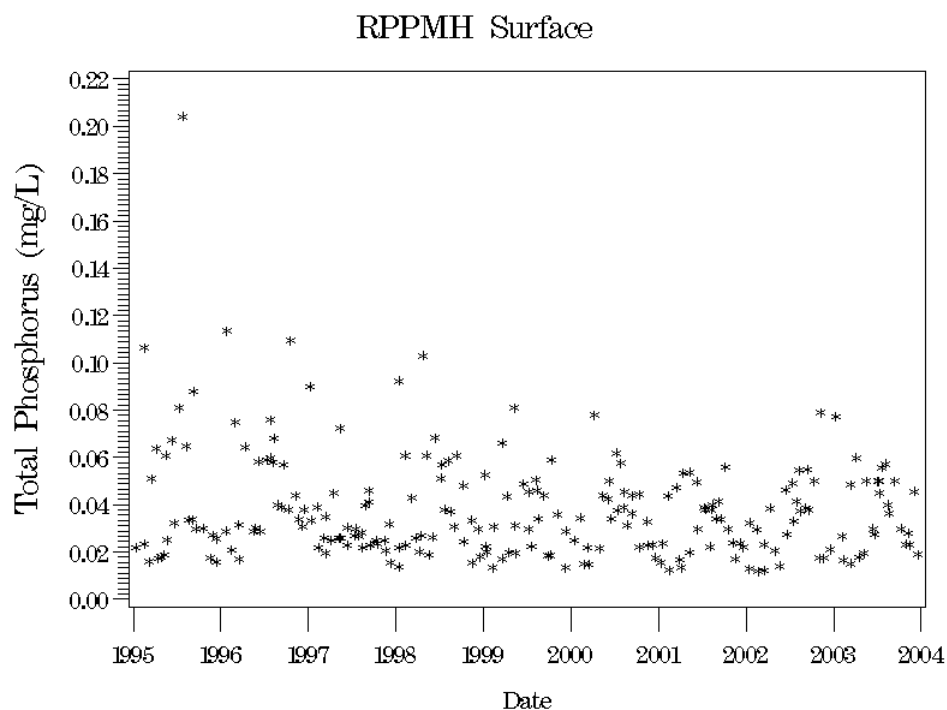
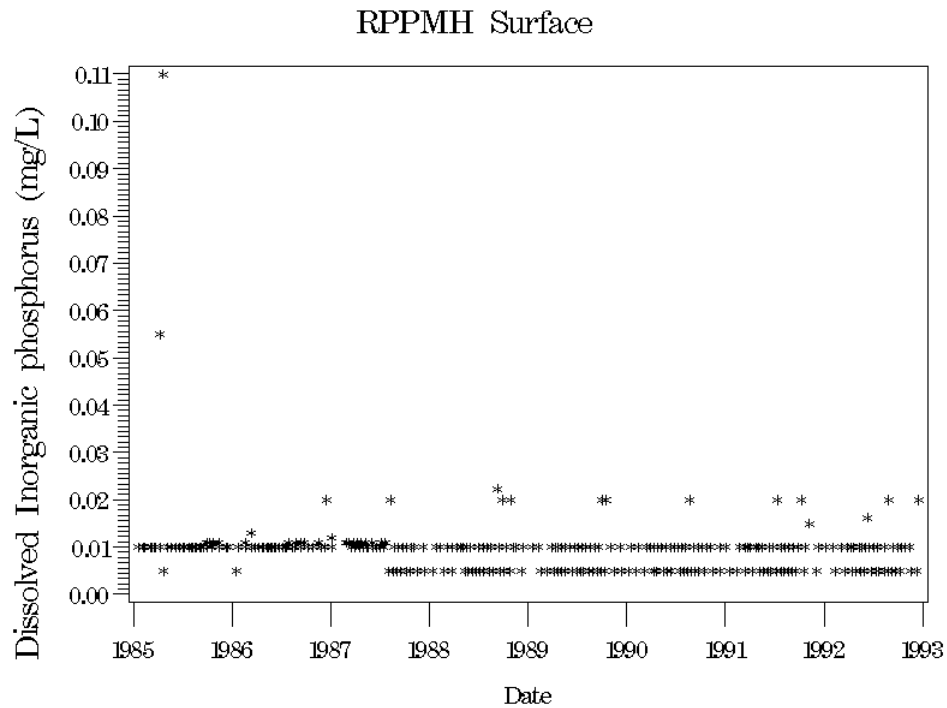


Figure 3. Scatterplots of surface total phosphorus at segment RPPMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

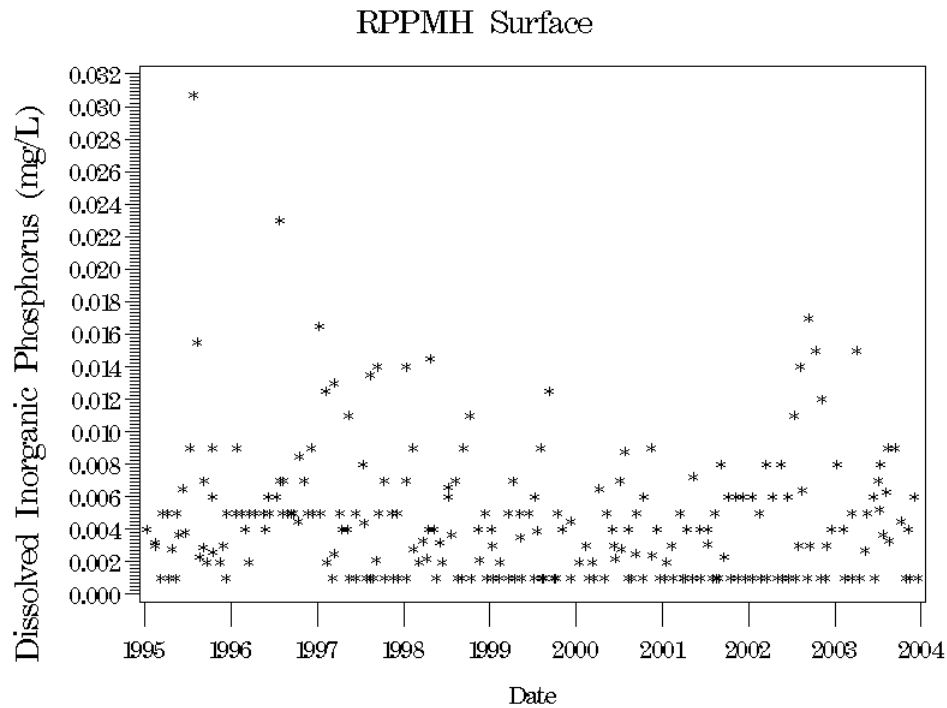


Figure 4. Scatterplots of surface dissolved inorganic phosphorus at segment RPPMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

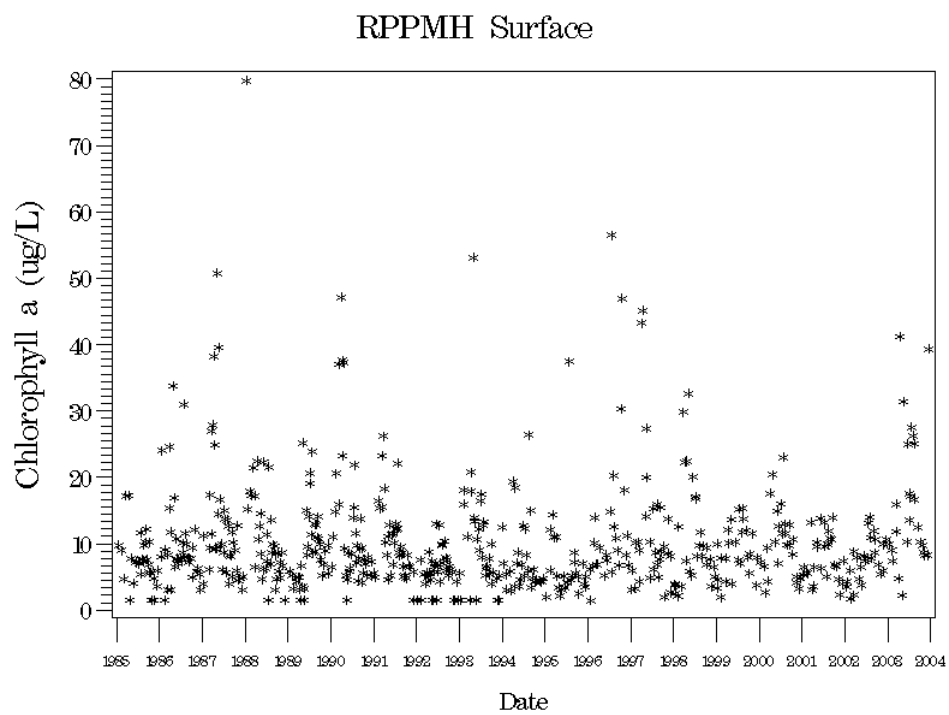


Figure 5. Scatterplot of surface chlorophyll *a* at segment RPPMH during the period 1985 to 2003.

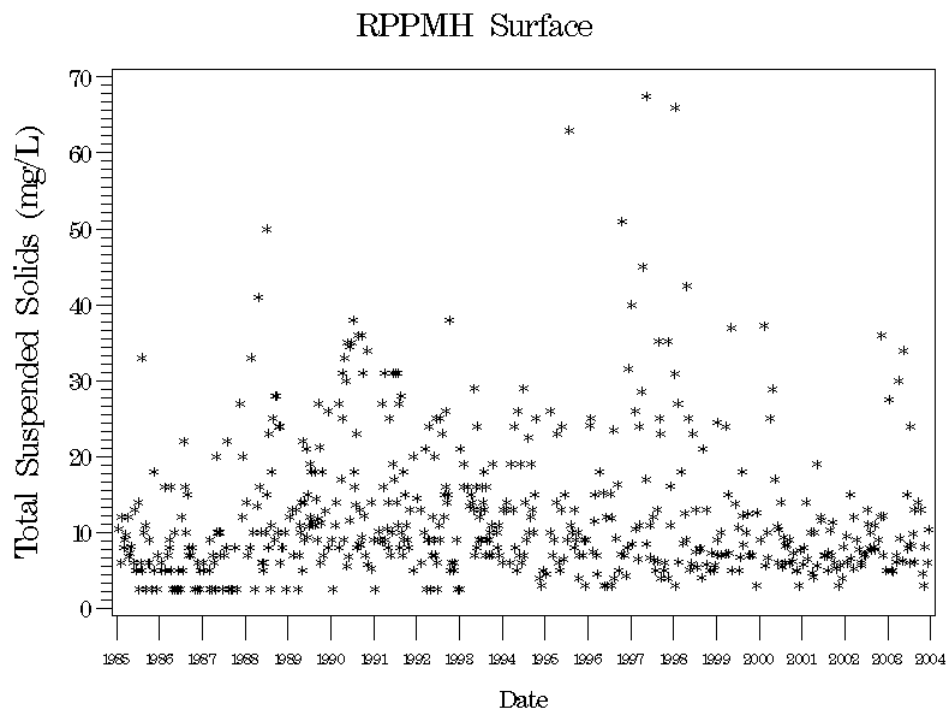


Figure 6. Scatterplot of surface total suspended solids at segment RPPMH during the period 1985 to 2003.

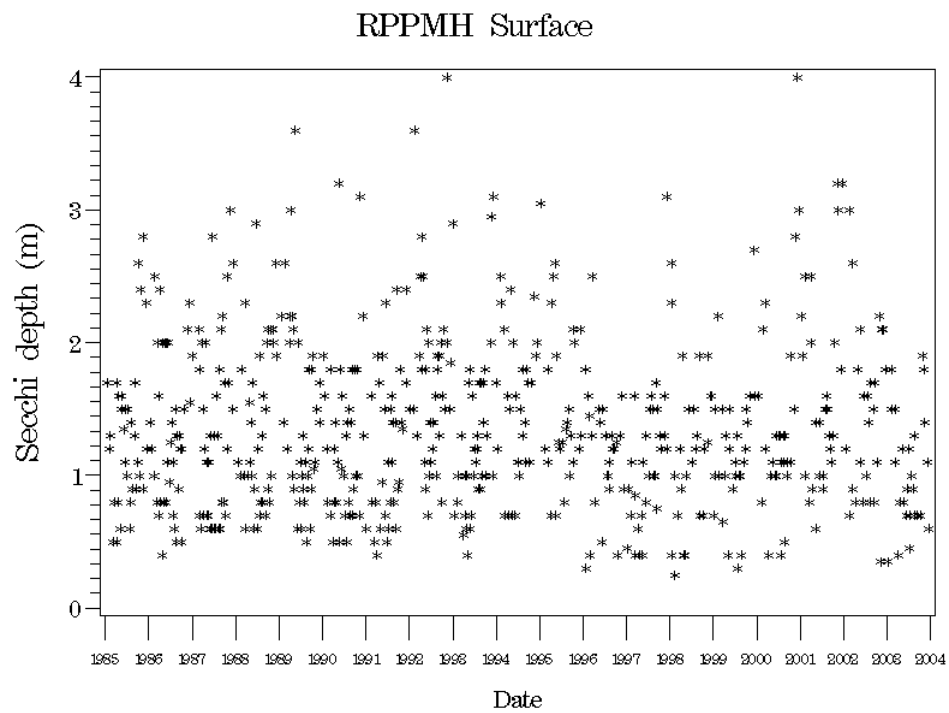


Figure 7. Scatterplot of secchi depth at segment RPPMH during the period 1985 to 2003.



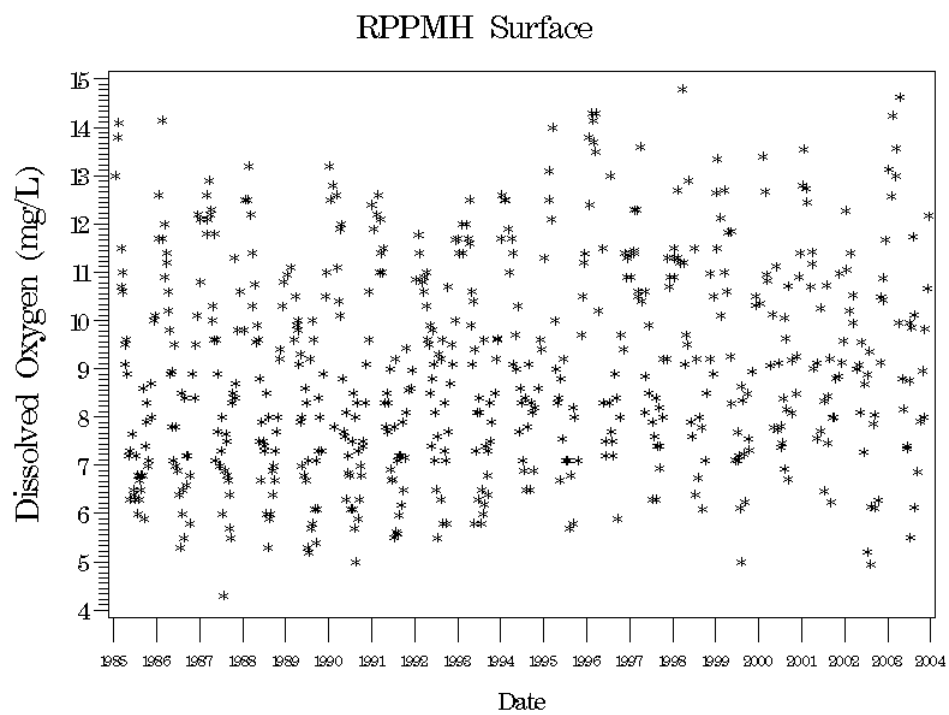


Figure 8. Scatterplot of surface dissolved oxygen at segment RPPMH during the period 1985 to 2003.

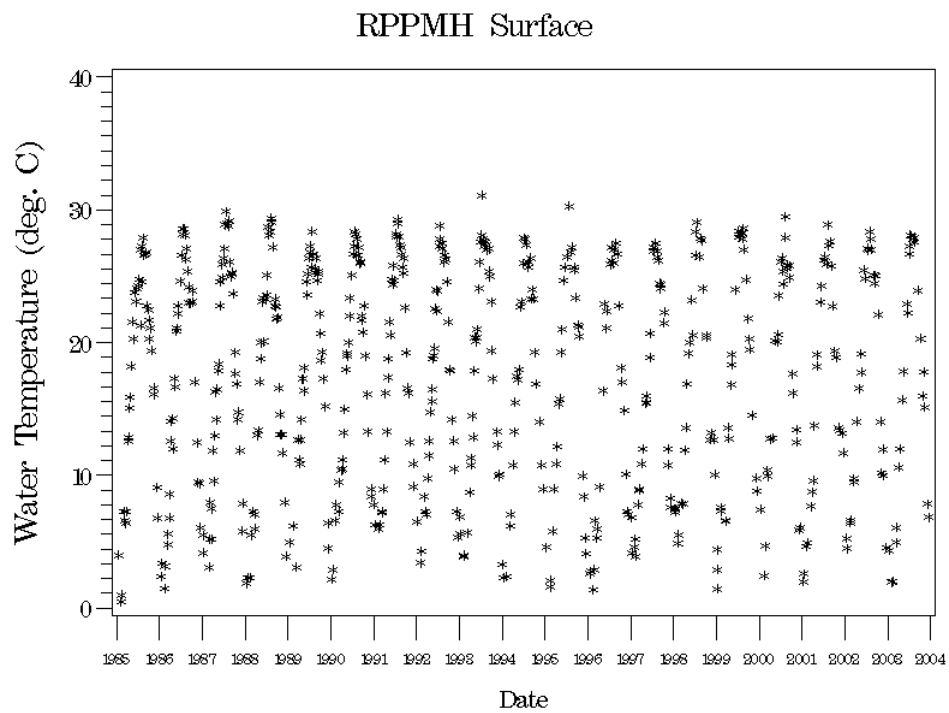


Figure 9. Scatterplot of surface water temperature at segment RPPMH during the period 1985 to 2003.

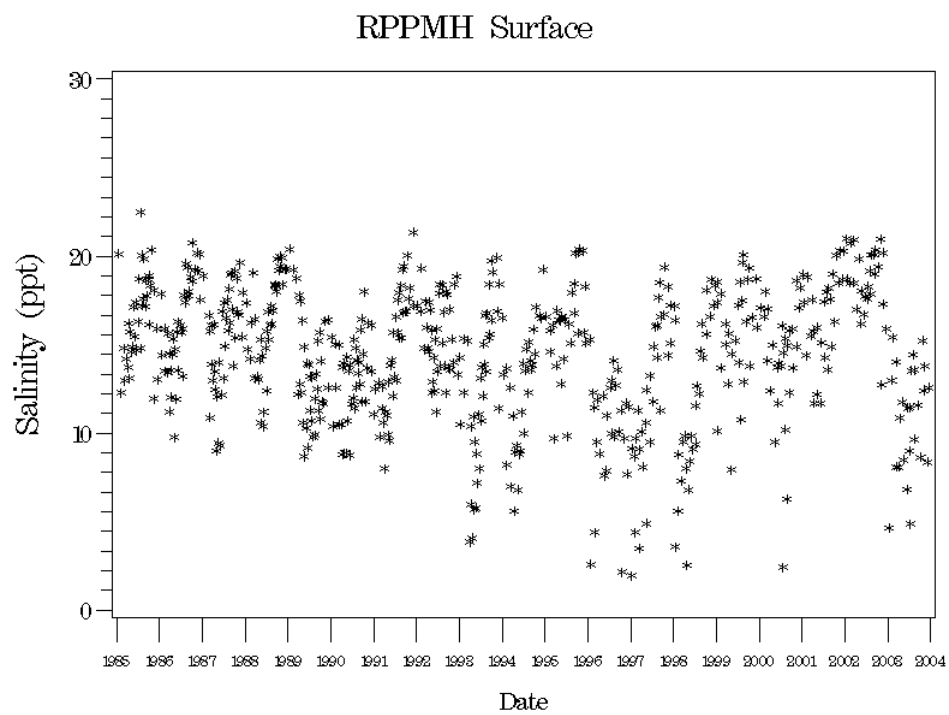
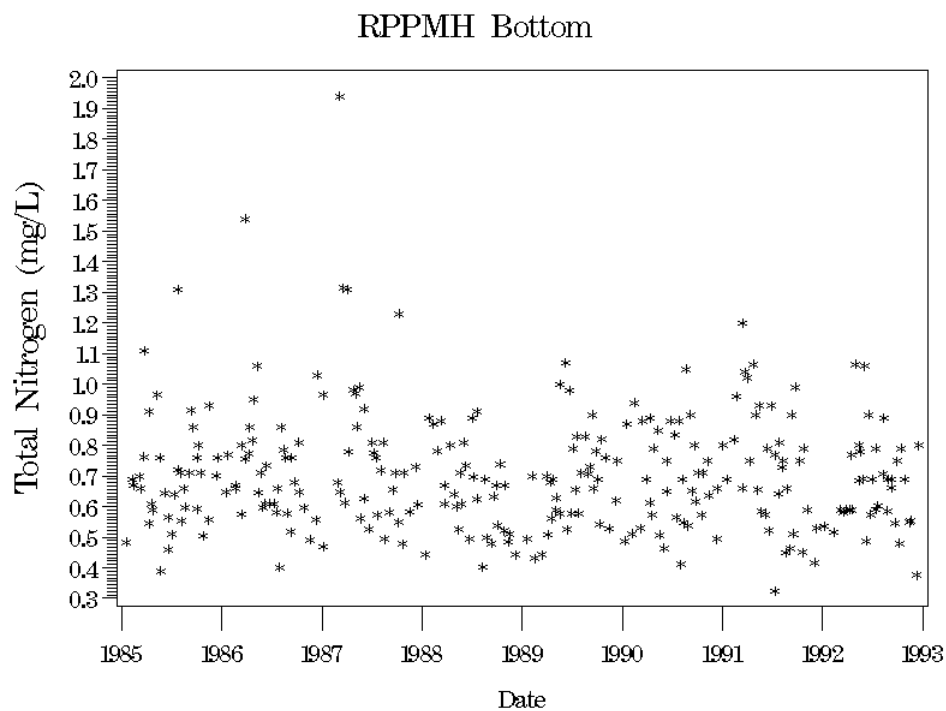


Figure 10. Scatterplot of surface salinity at segment RPPMH during the period 1985 to 2003.

a) Pre-method change period



b) Post-method change period

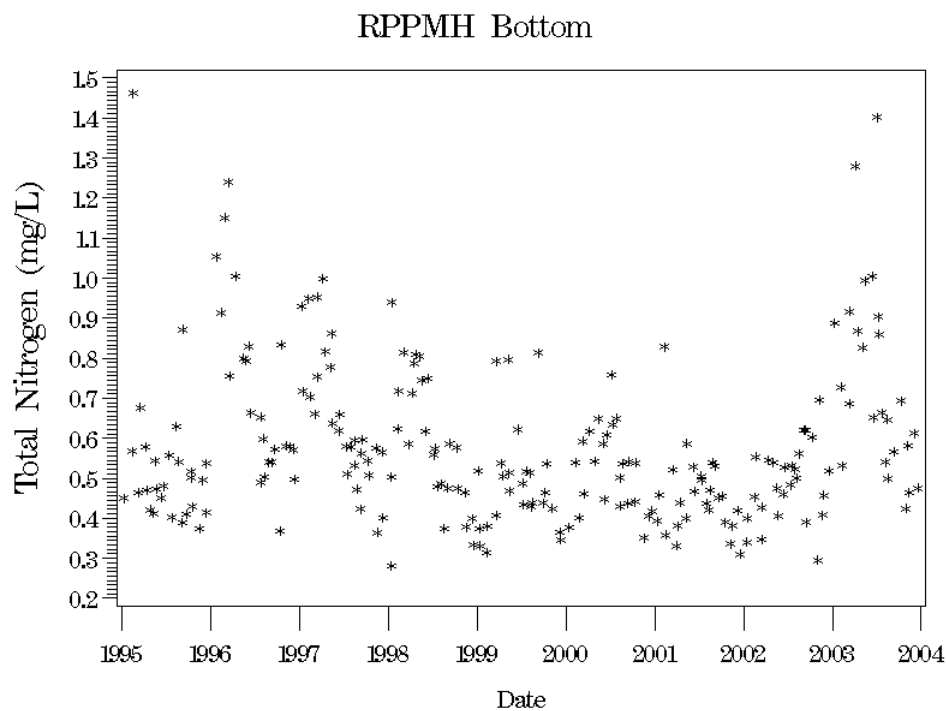
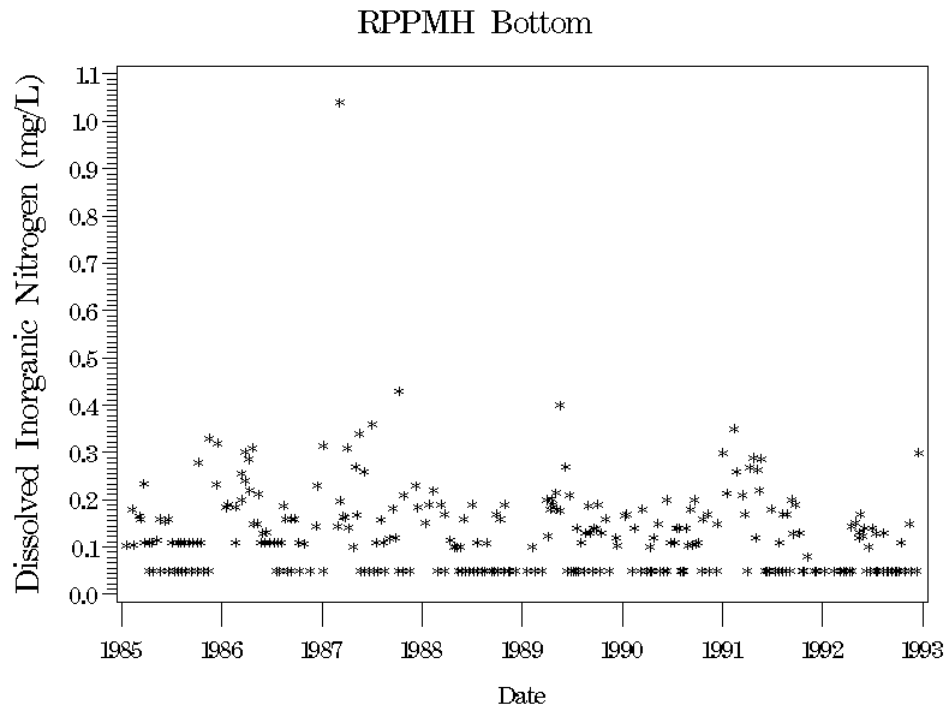


Figure 11. Scatterplots of bottom total nitrogen at segment RPPMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

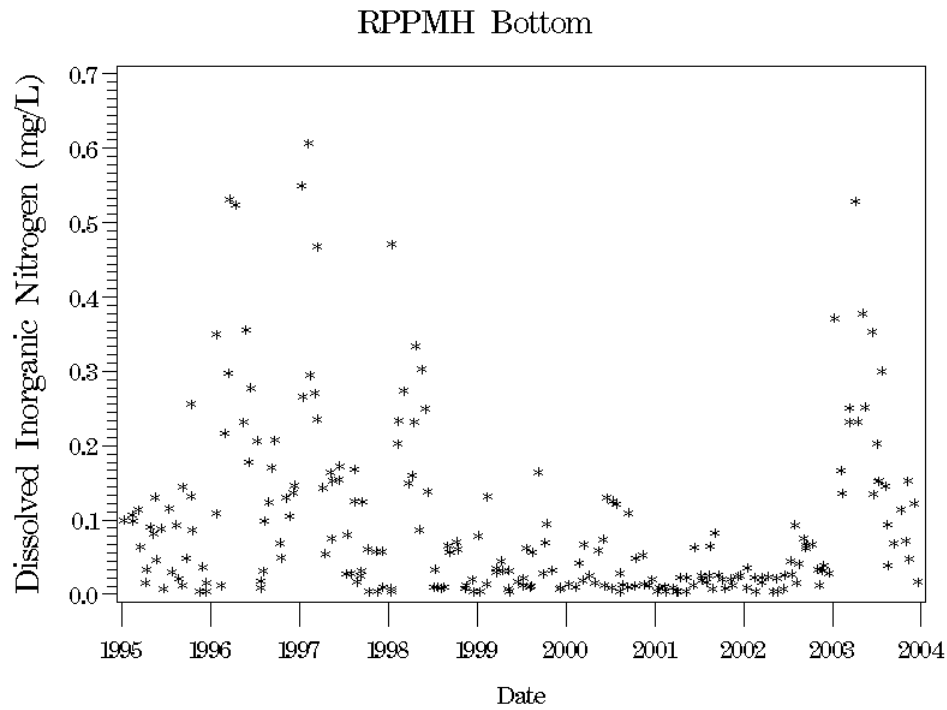
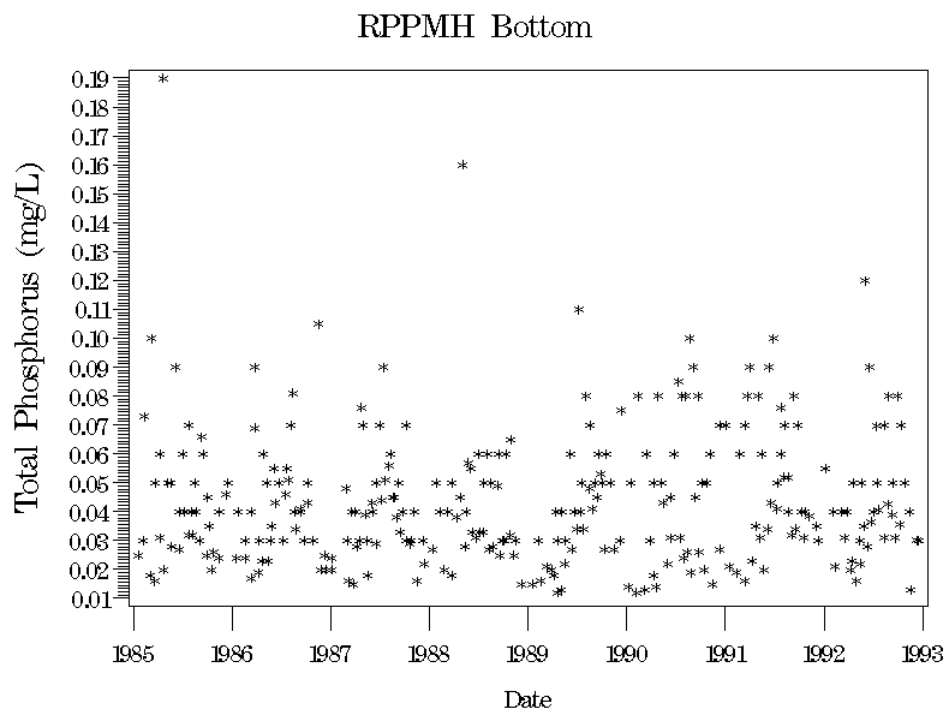


Figure 12. Scatterplots of bottom dissolved inorganic nitrogen at segment RPPMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

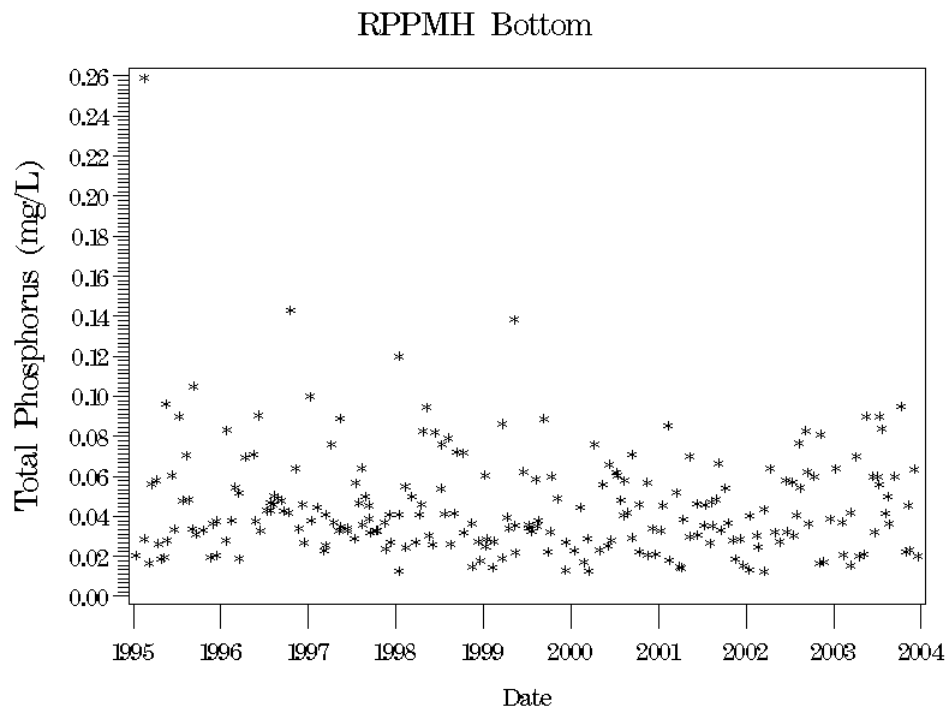
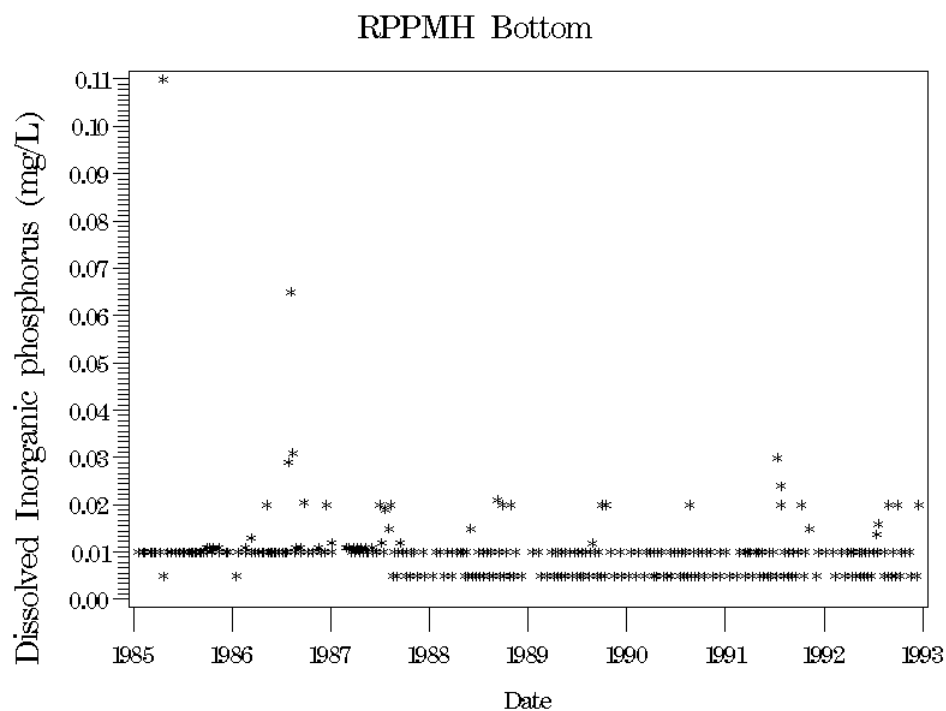


Figure 13. Scatterplots of bottom total phosphorus at segment RPPMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

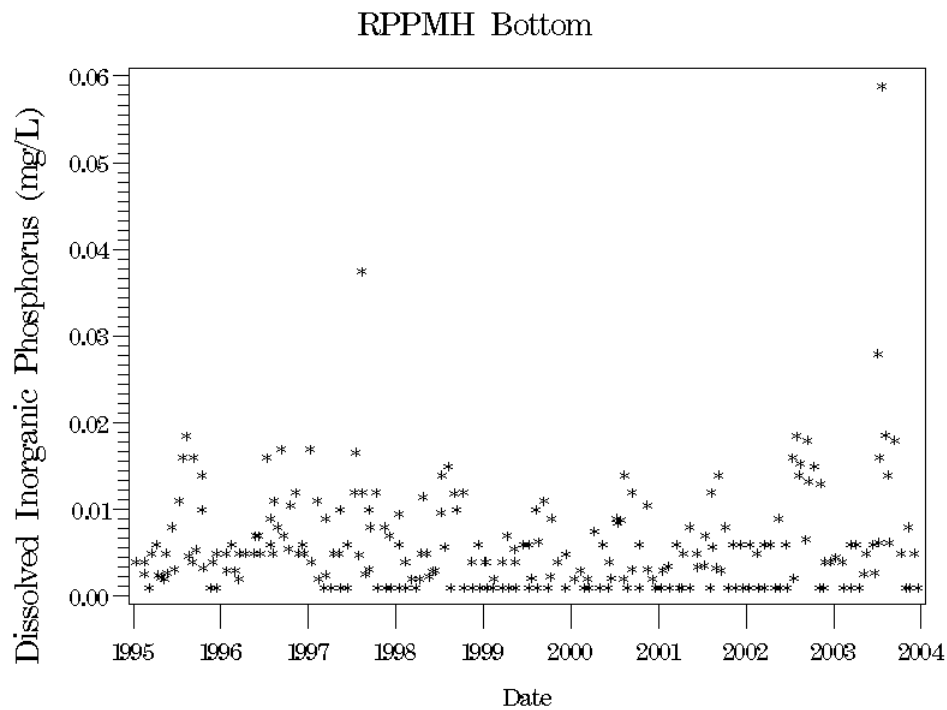


Figure 14. Scatterplots of bottom dissolved inorganic phosphorus at segment RPPMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

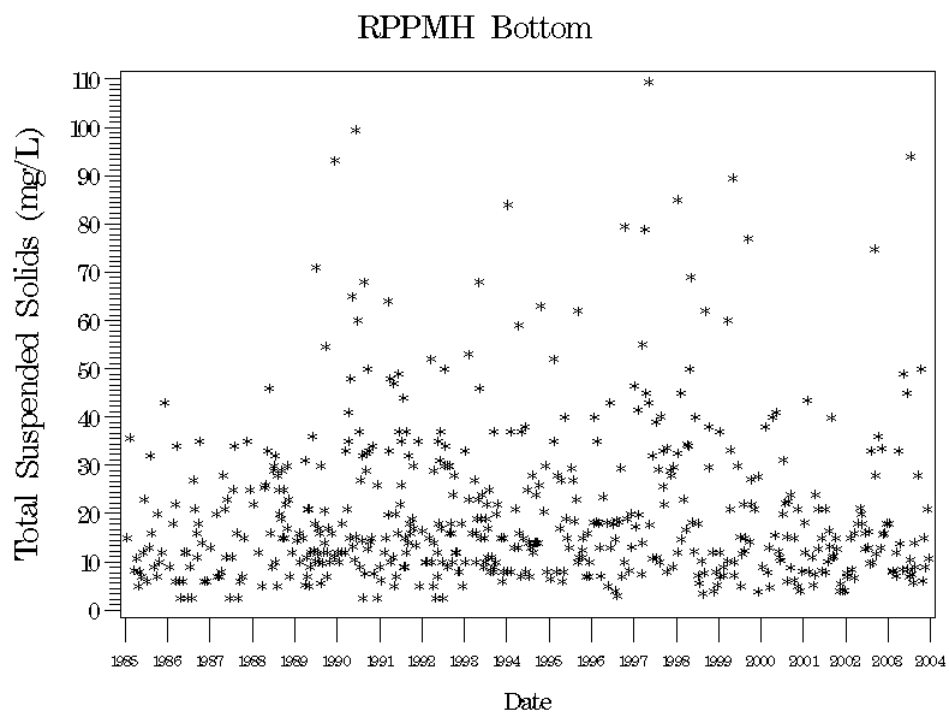


Figure 15. Scatterplot of bottom total suspended solids at segment RPPMH during the period 1985 to 2003.



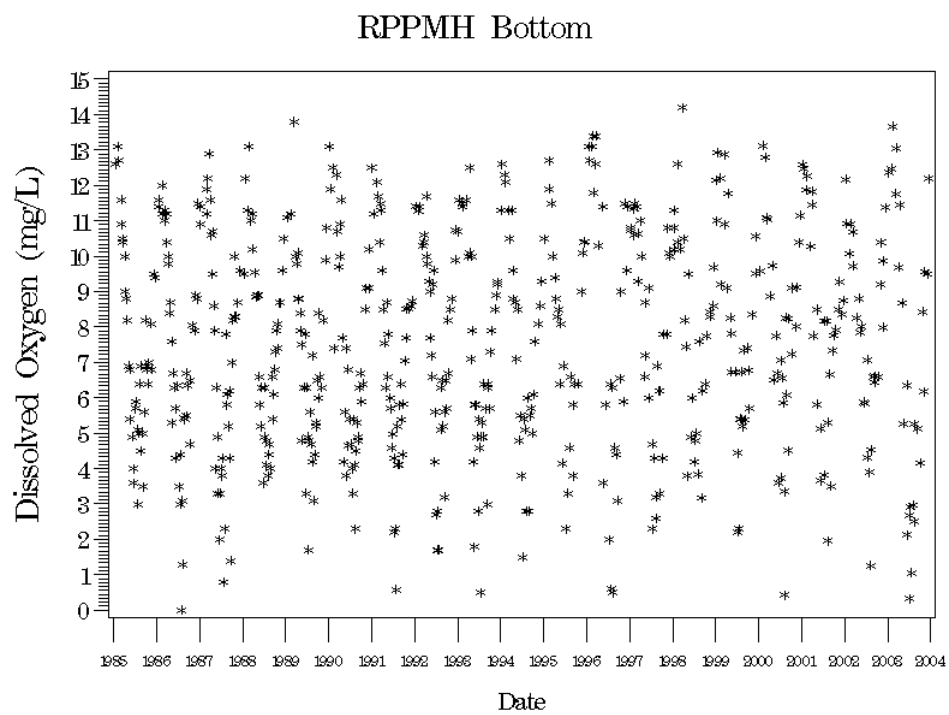


Figure 16. Scatterplot of bottom dissolved oxygen at segment RPPMH during the period 1985 to 2003.

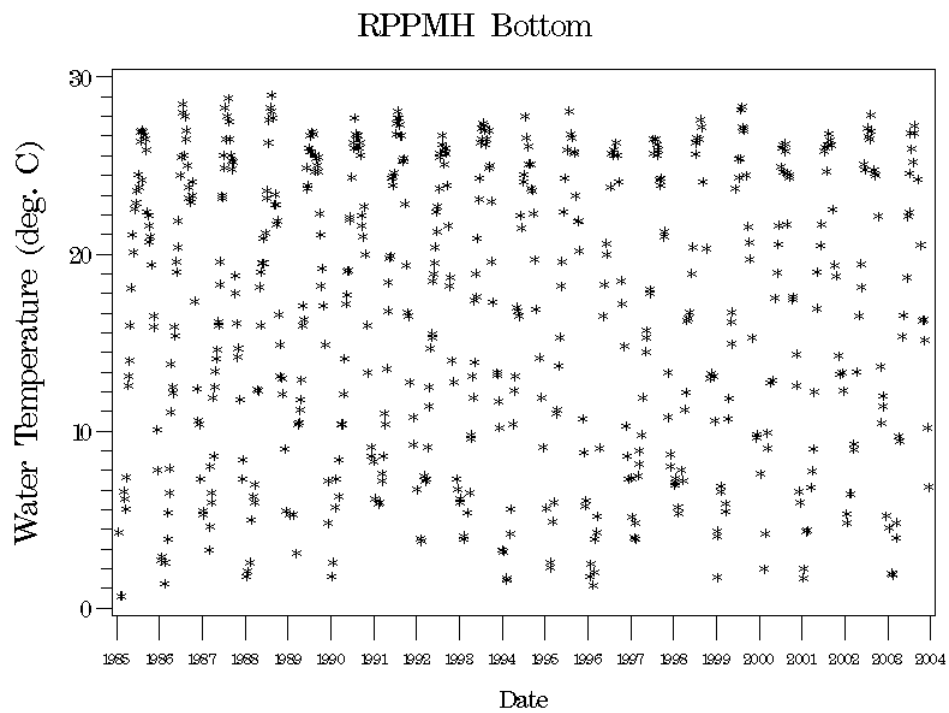


Figure 17. Scatterplot of bottom water temperature at segment RPPMH during the period 1985 to 2003.

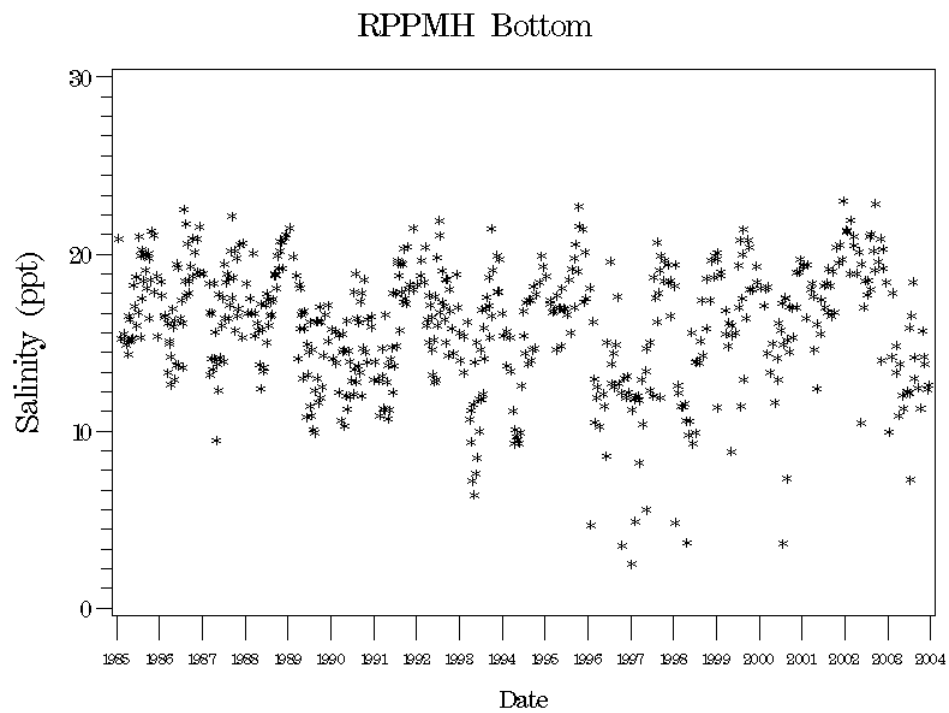
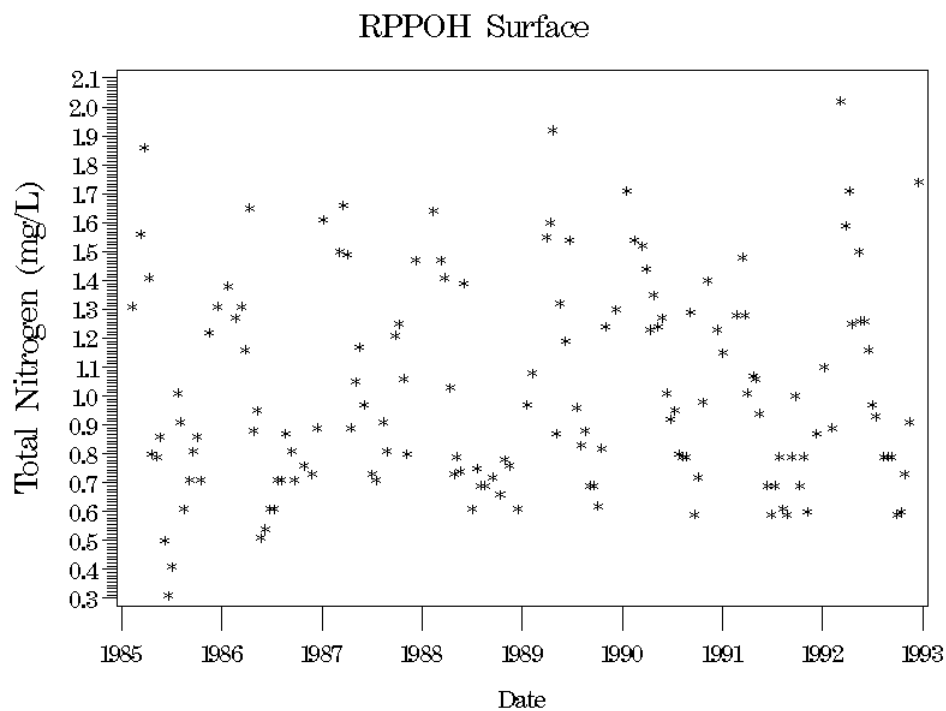


Figure 18. Scatterplot of bottom salinity at segment RPPMH during the period 1985 to 2003.

a) Pre-method change period



b) Post-method change period

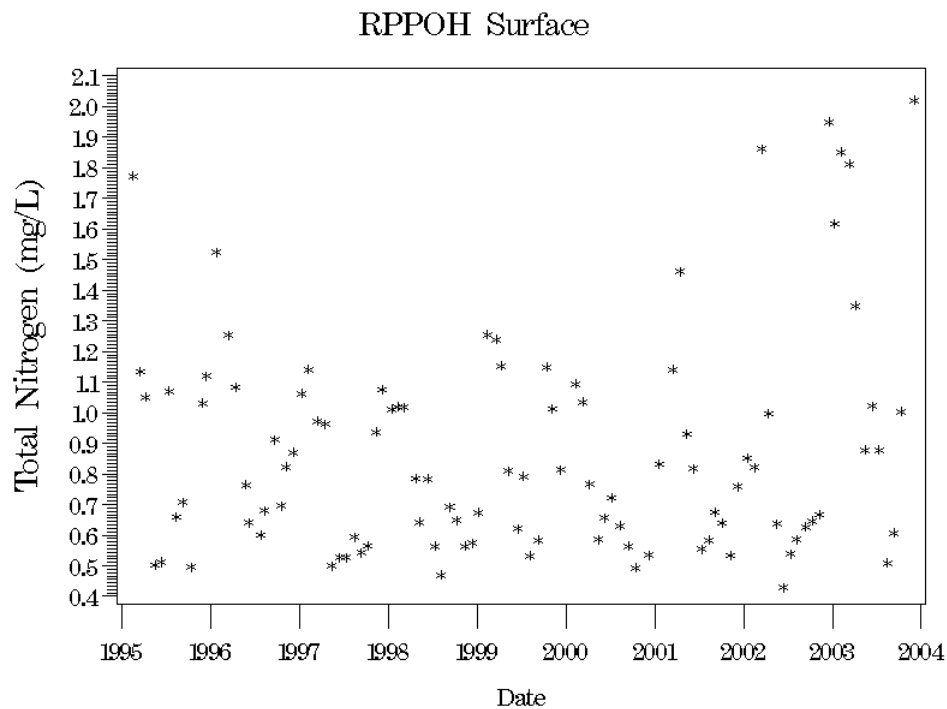
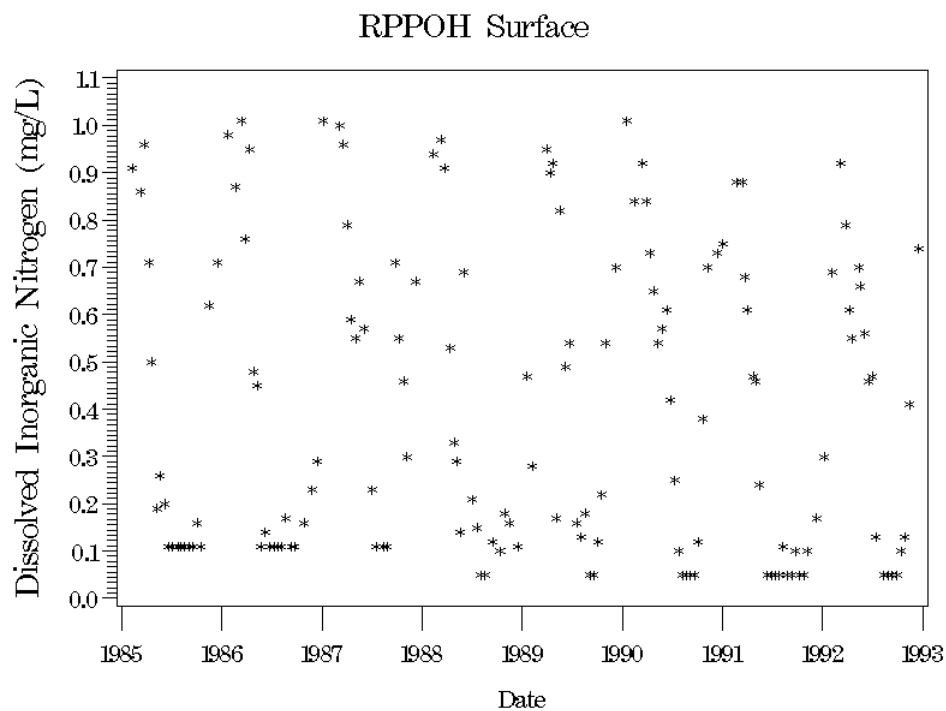


Figure 19. Scatterplots of surface total nitrogen at segment RPPOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

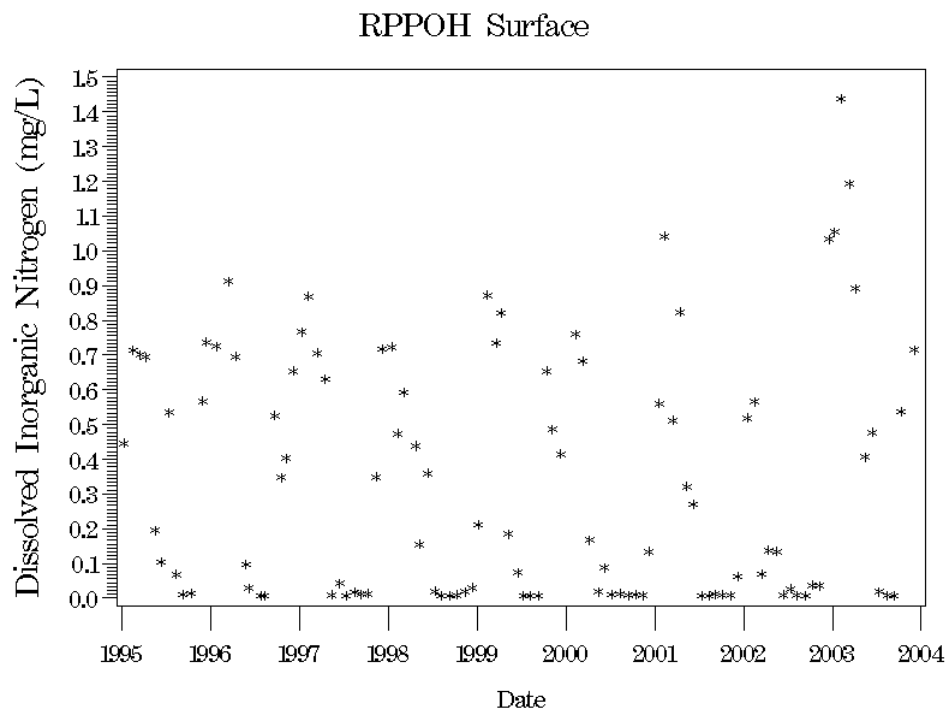
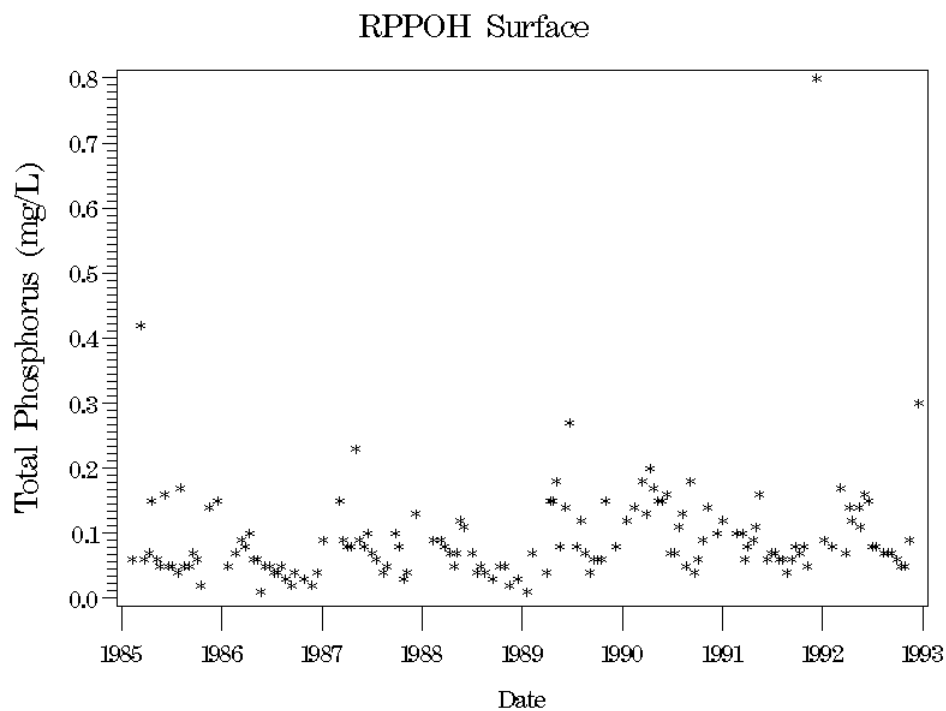


Figure 20. Scatterplots of surface dissolved inorganic nitrogen at segment RPPOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

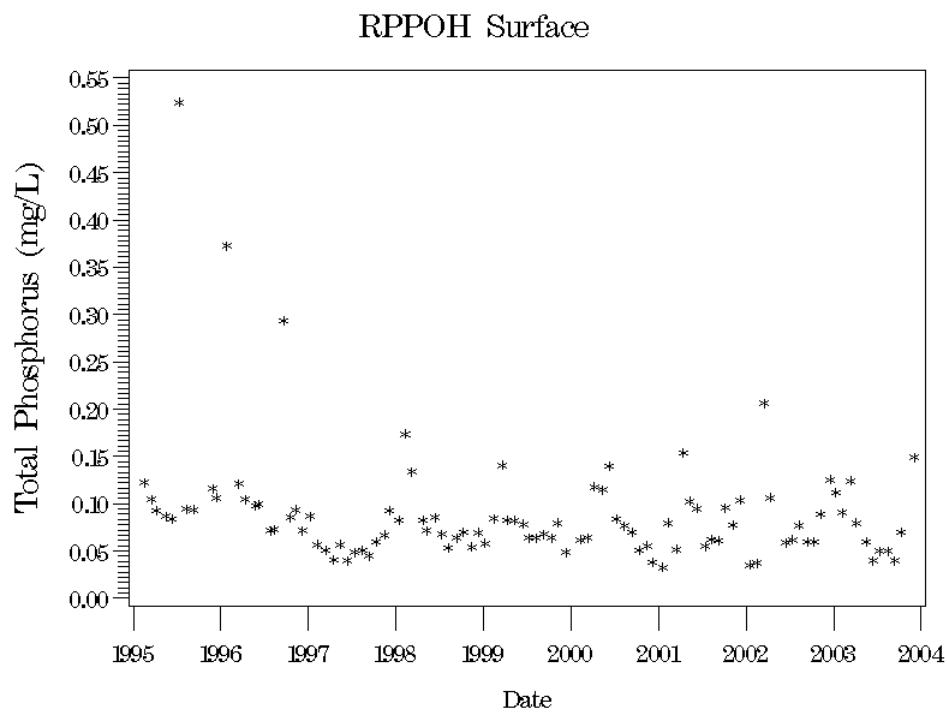
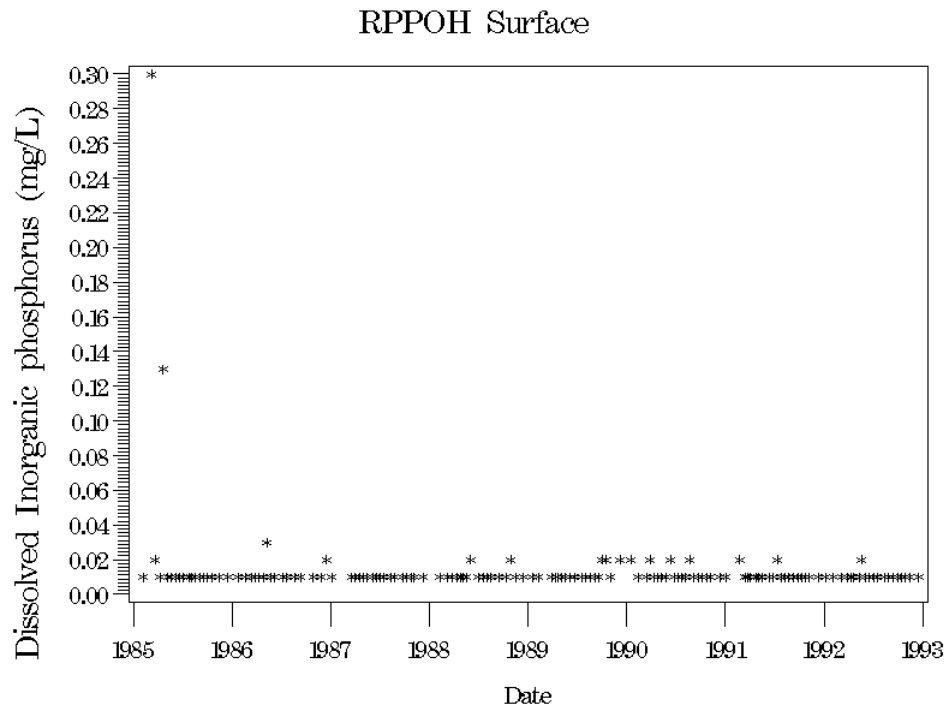


Figure 21. Scatterplots of surface total phosphorus at segment RPPOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

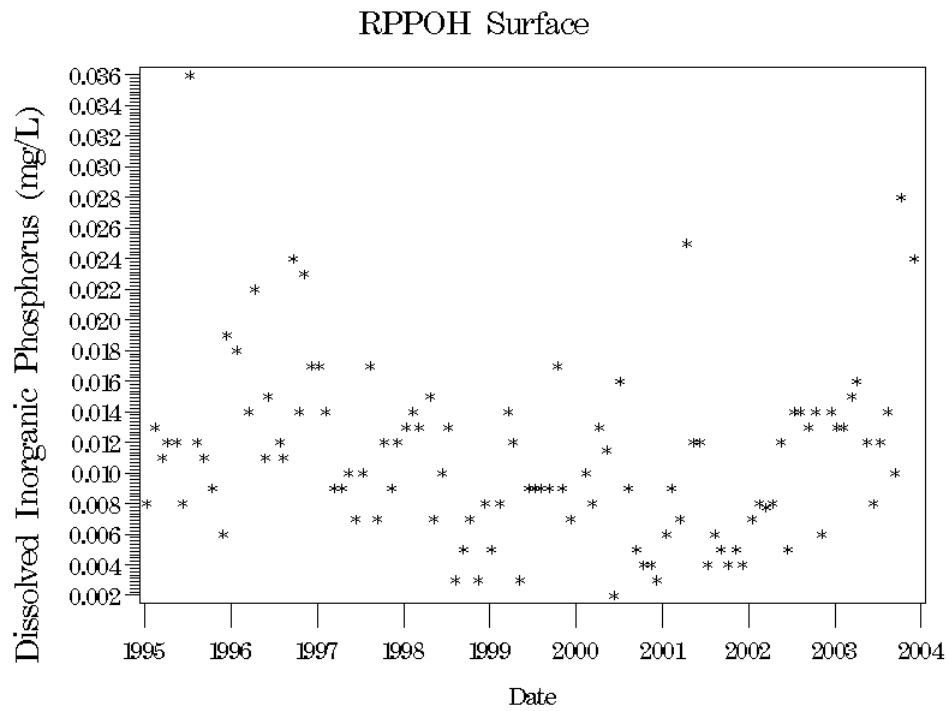


Figure 22. Scatterplots of surface dissolved inorganic phosphorus at segment RPPOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

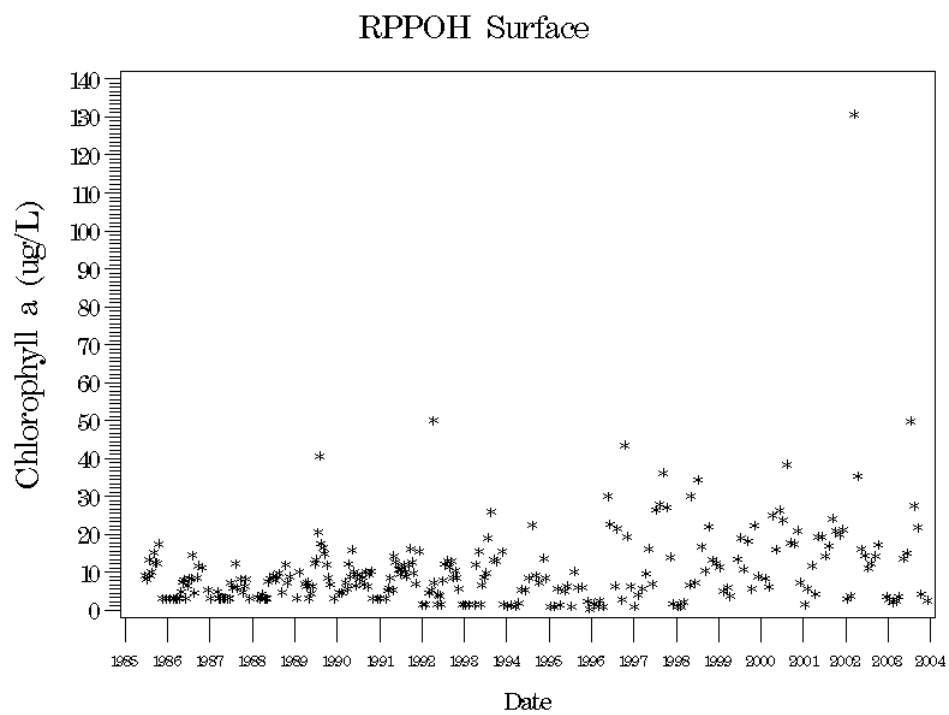


Figure 23. Scatterplot of surface chlorophyll *a* at segment RPPOH during the period 1985 to 2003.



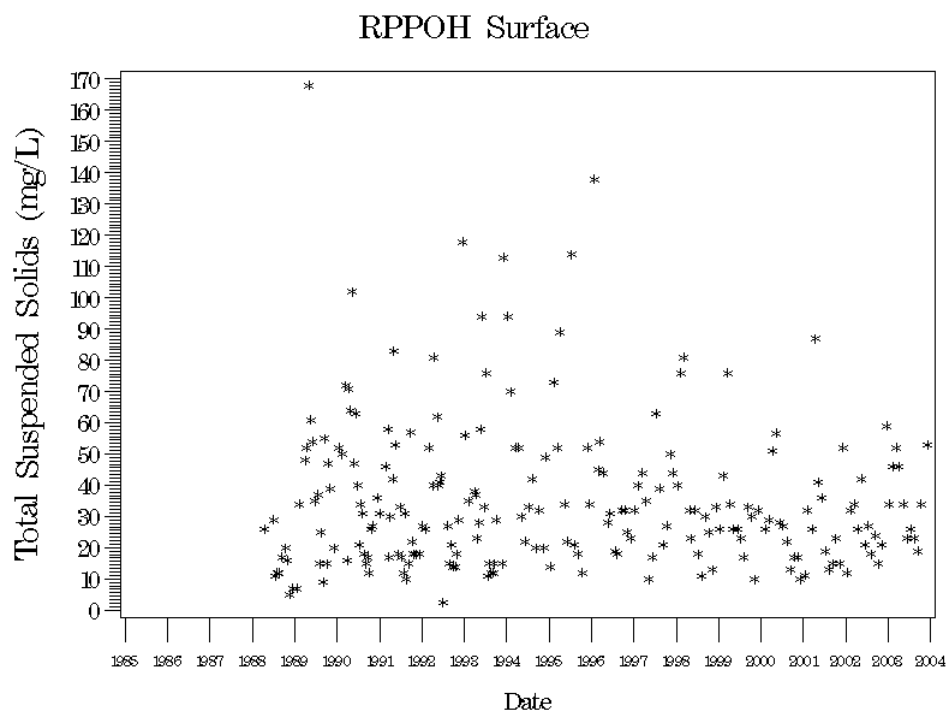


Figure 24. Scatterplot of surface total suspended solids at segment RPPOH during the period 1985 to 2003.

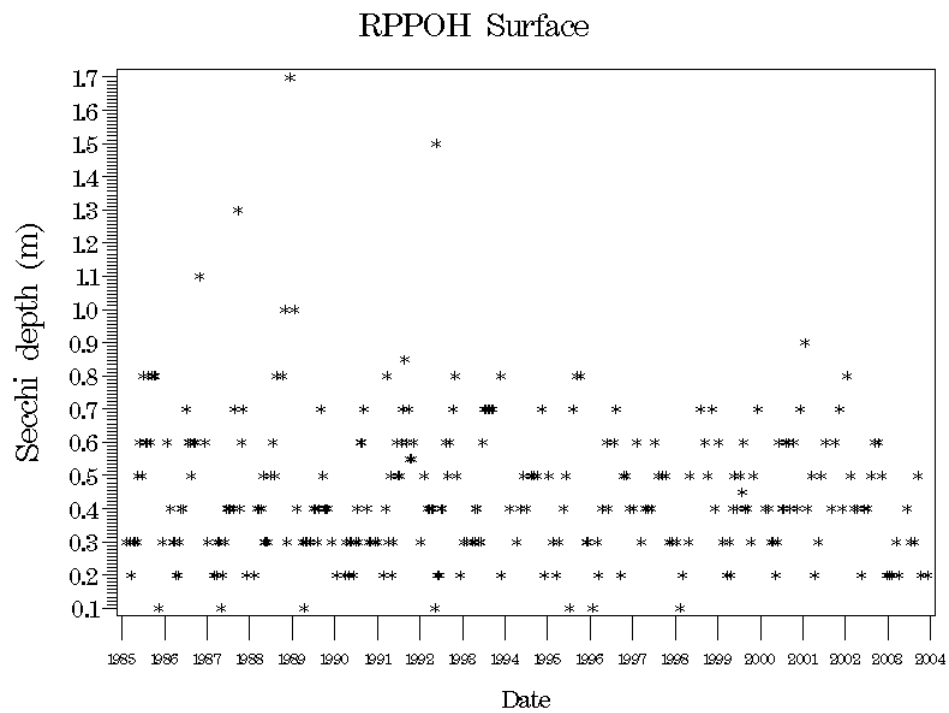


Figure 25. Scatterplot of secchi depth at segment RPPOH during the period 1985 to 2003.

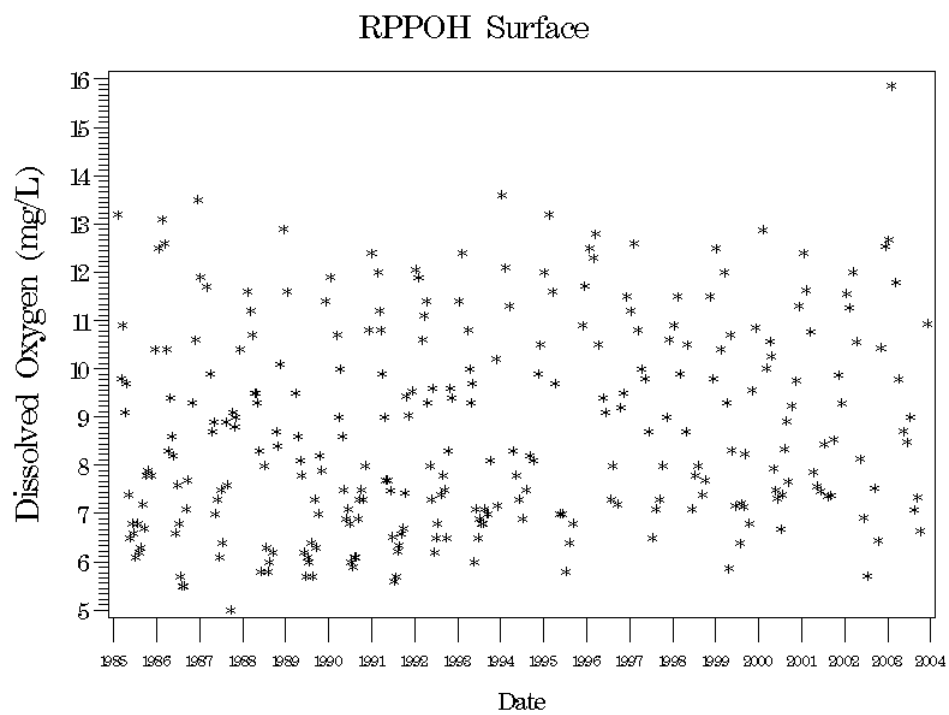


Figure 26. Scatterplot of surface dissolved oxygen at segment RPPOH during the period 1985 to 2003.

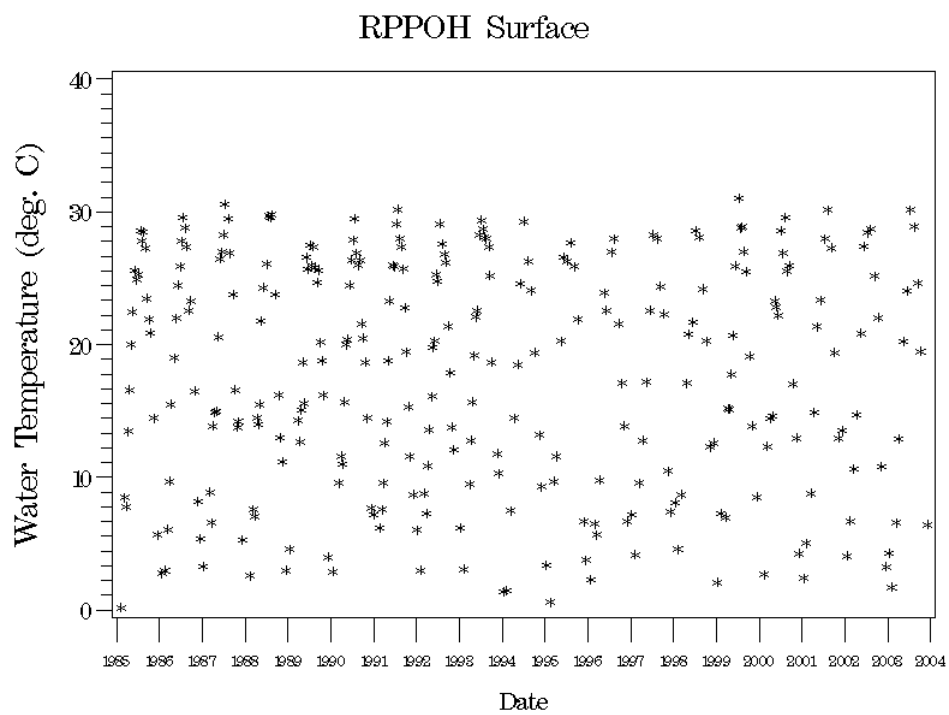


Figure 27. Scatterplot of surface water temperature at segment RPPOH during the period 1985 to 2003.

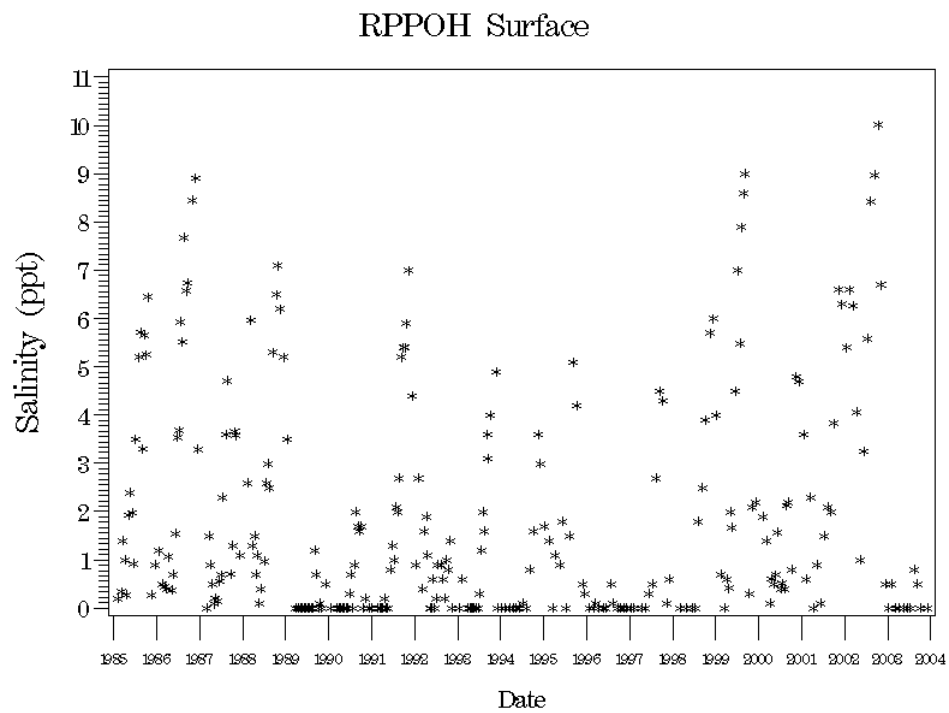
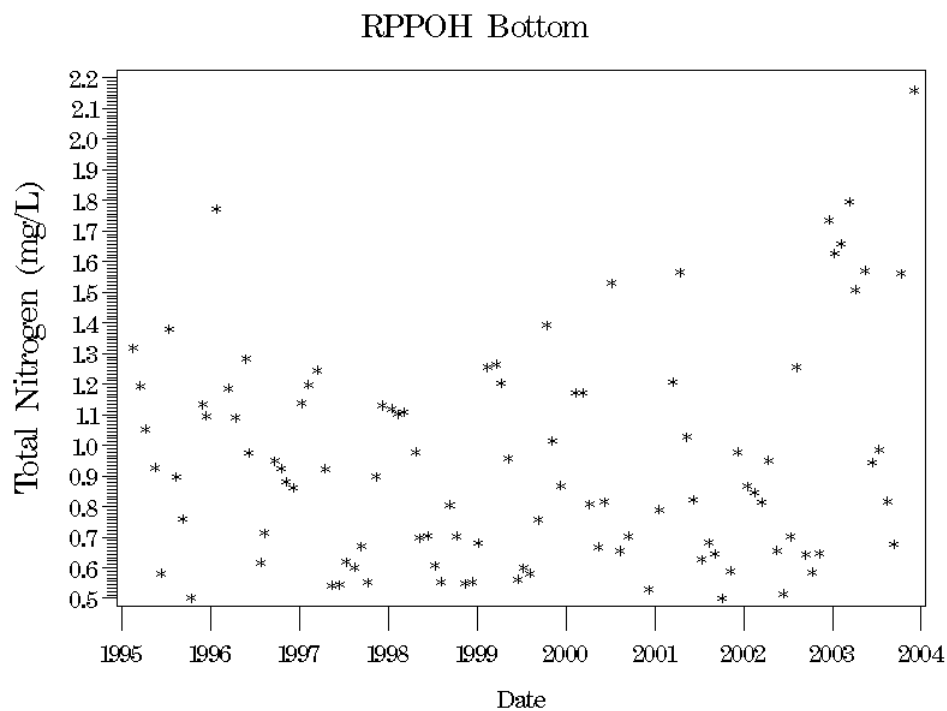


Figure 28. Scatterplot of surface salinity at segment RPPOH during the period 1985 to 2003.

a) Pre-method change period



b) Post-method change period

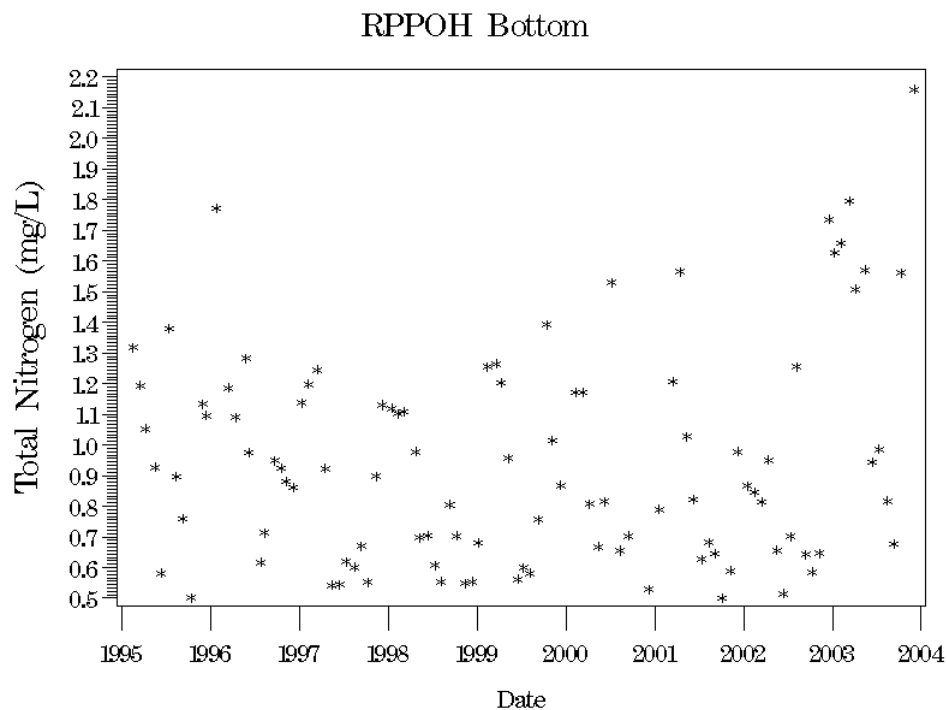
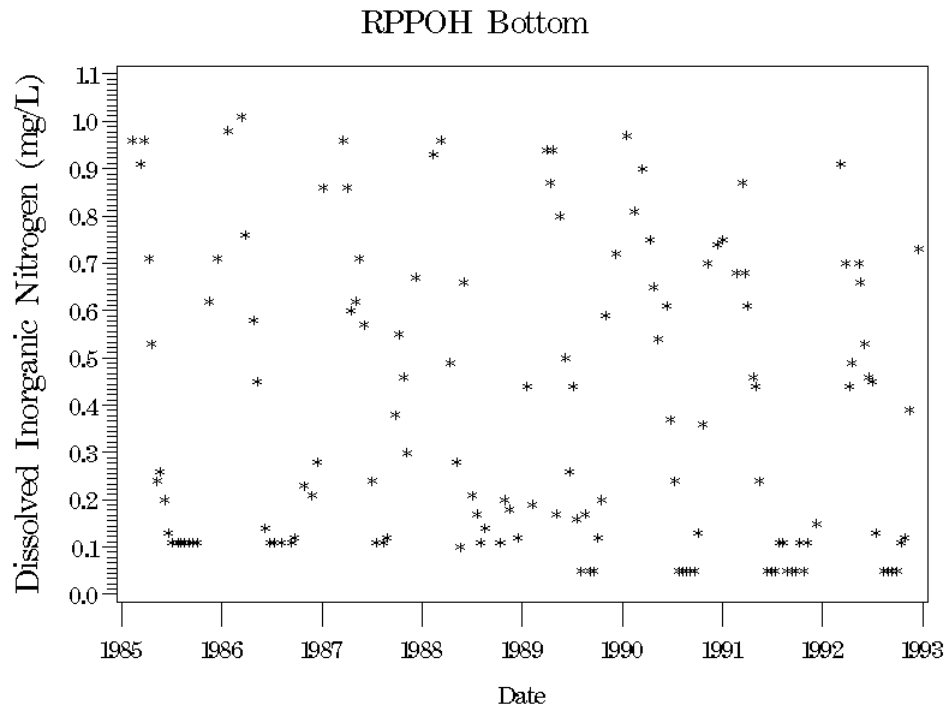


Figure 29. Scatterplots of bottom total nitrogen at segment RPPOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

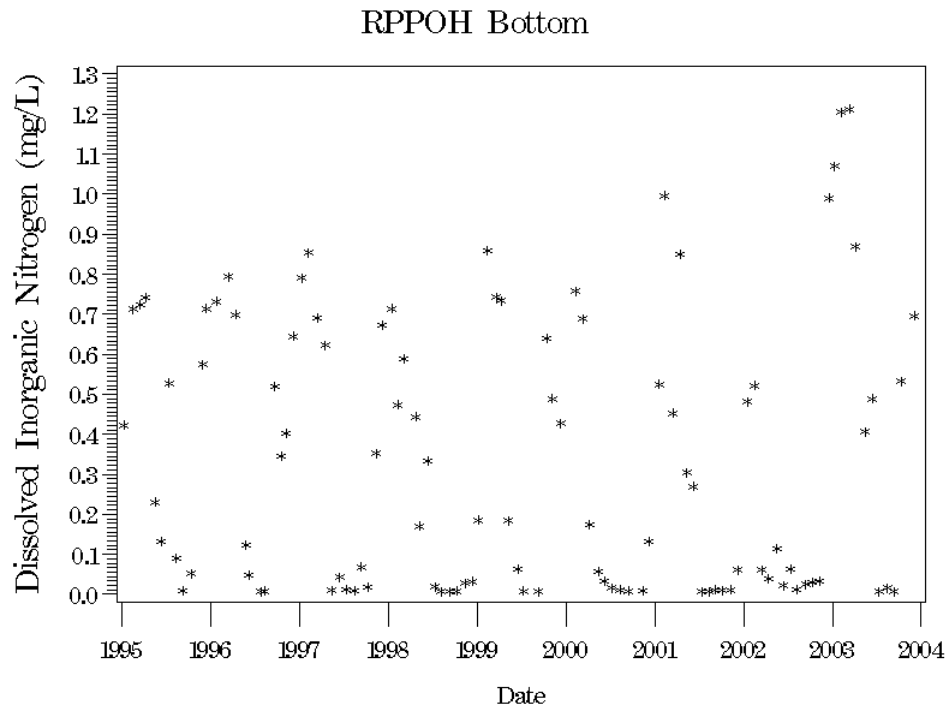
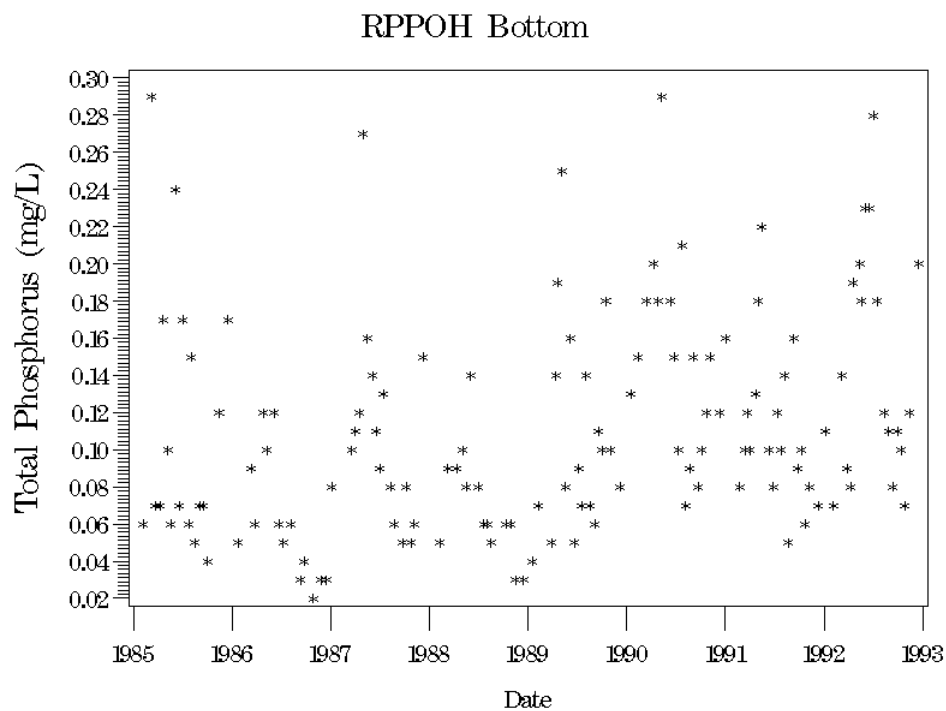


Figure 30. Scatterplots of bottom dissolved inorganic nitrogen at segment RPPOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

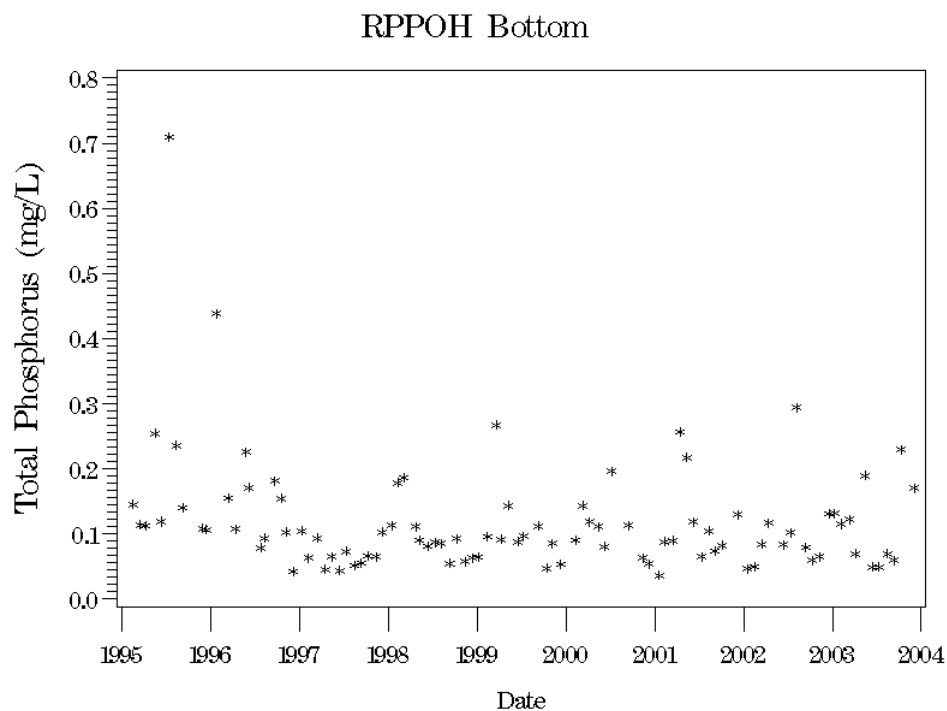
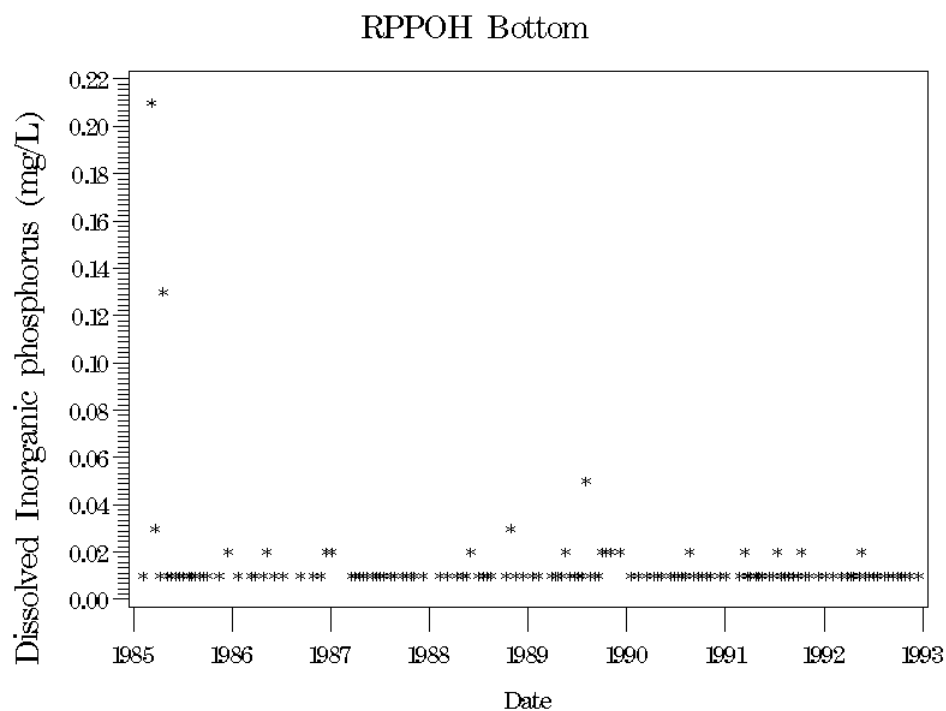


Figure 31. Scatterplots of bottom total phosphorus at segment RPPOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.



a) Pre-method change period



b) Post-method change period

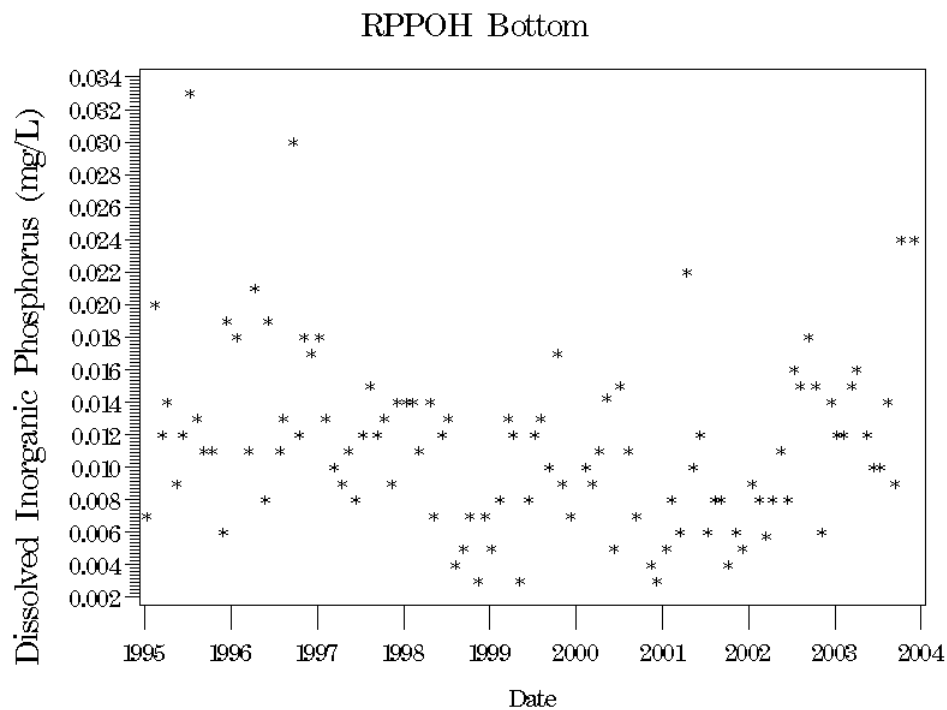


Figure 32. Scatterplots of bottom dissolved inorganic phosphorus at segment RPPOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

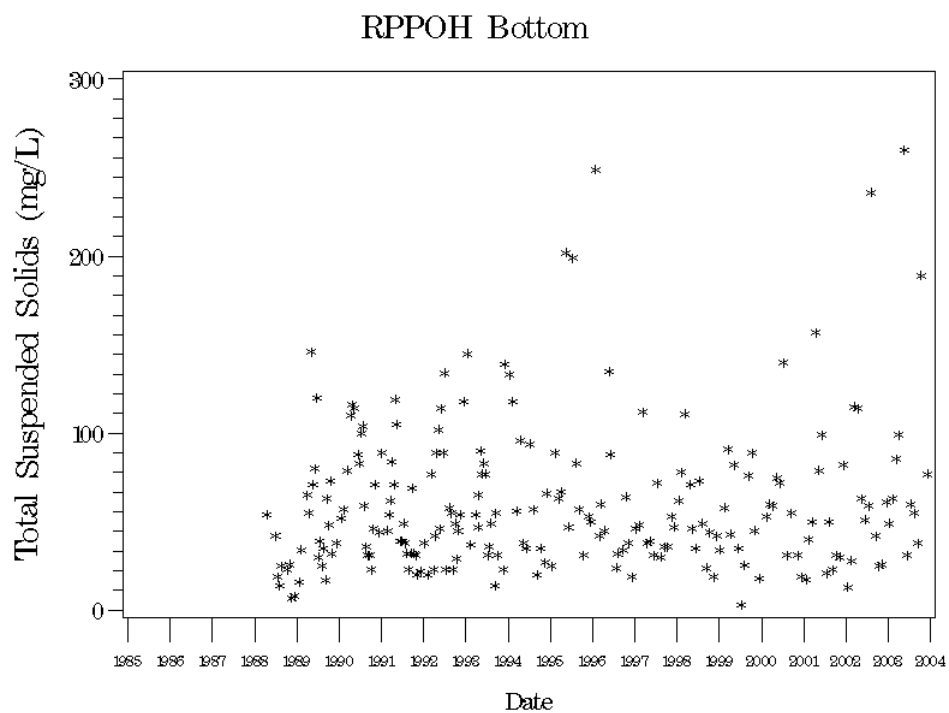


Figure 33. Scatterplot of bottom total suspended solids at segment RPPOH during the period 1985 to 2003.

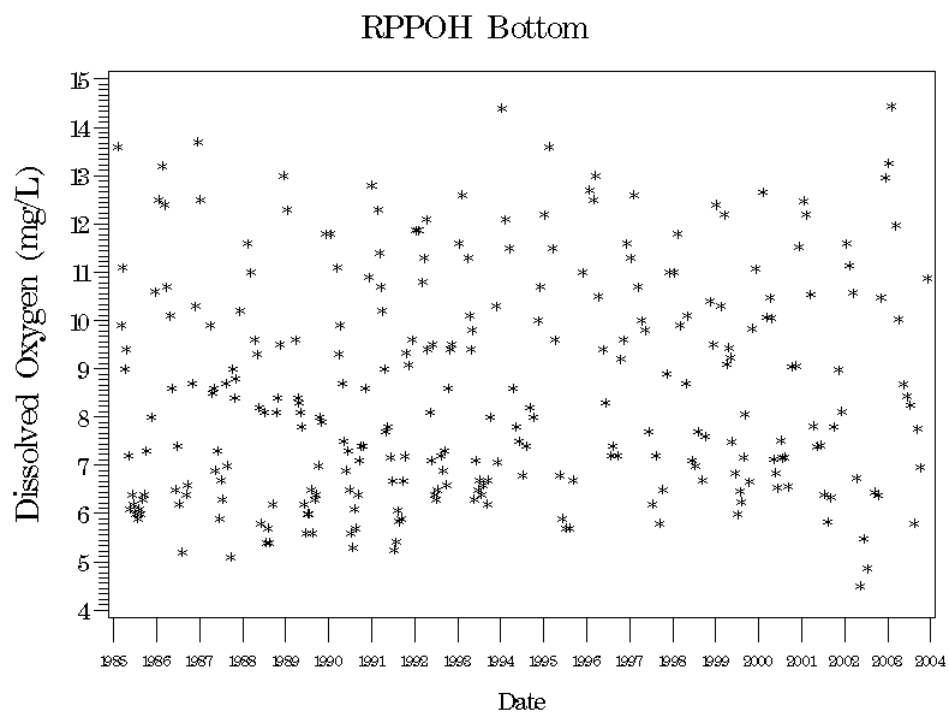


Figure 34. Scatterplot of bottom dissolved oxygen at segment RPPOH during the period 1985 to 2003.

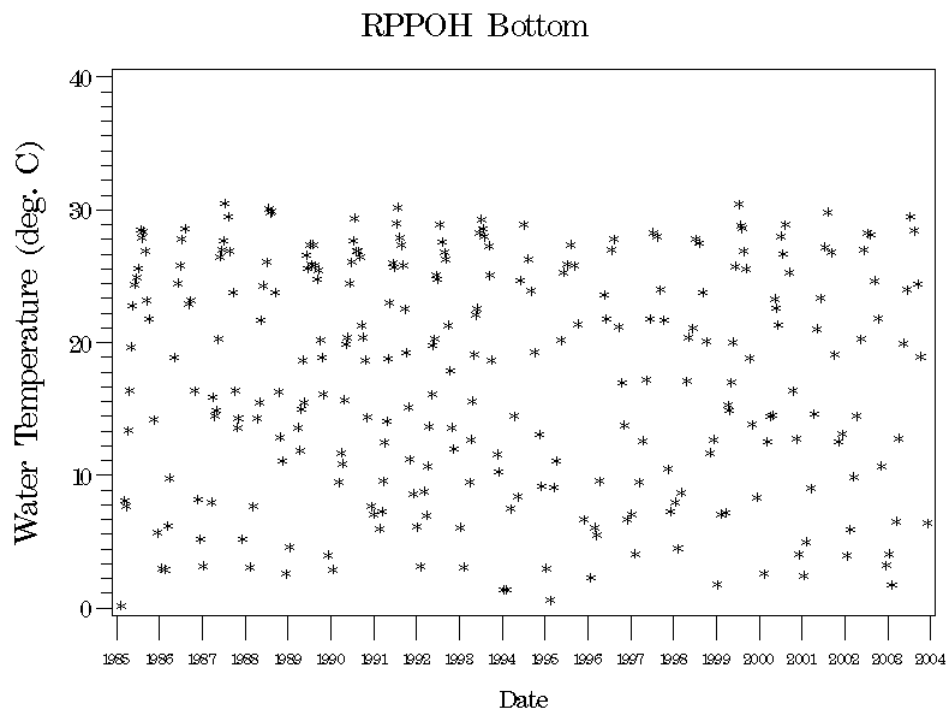


Figure 35. Scatterplot of bottom water temperature at segment RPPOH during the period 1985 to 2003.

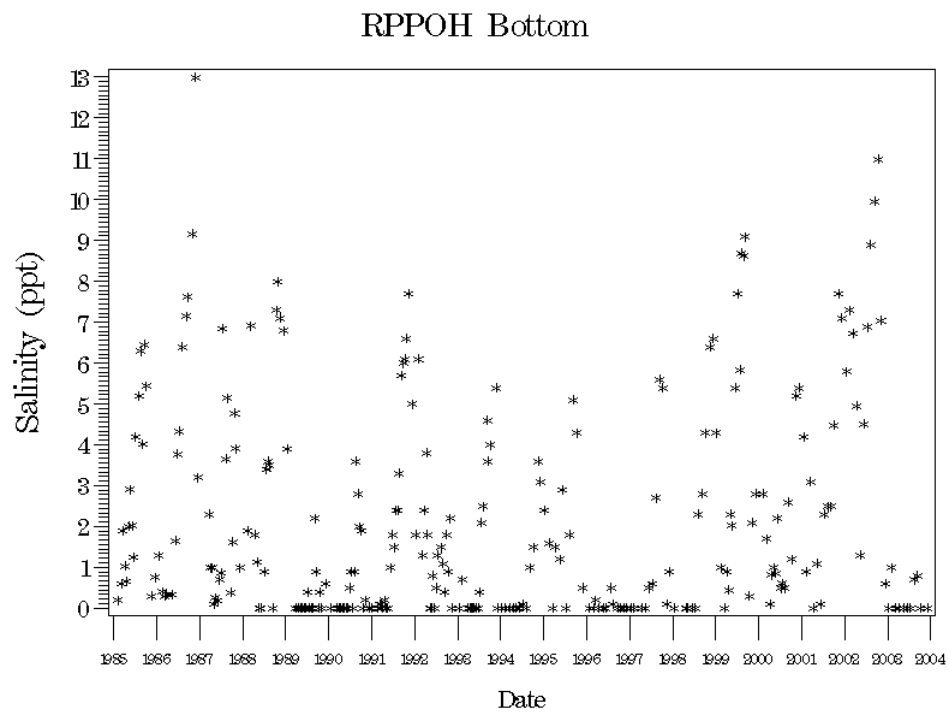
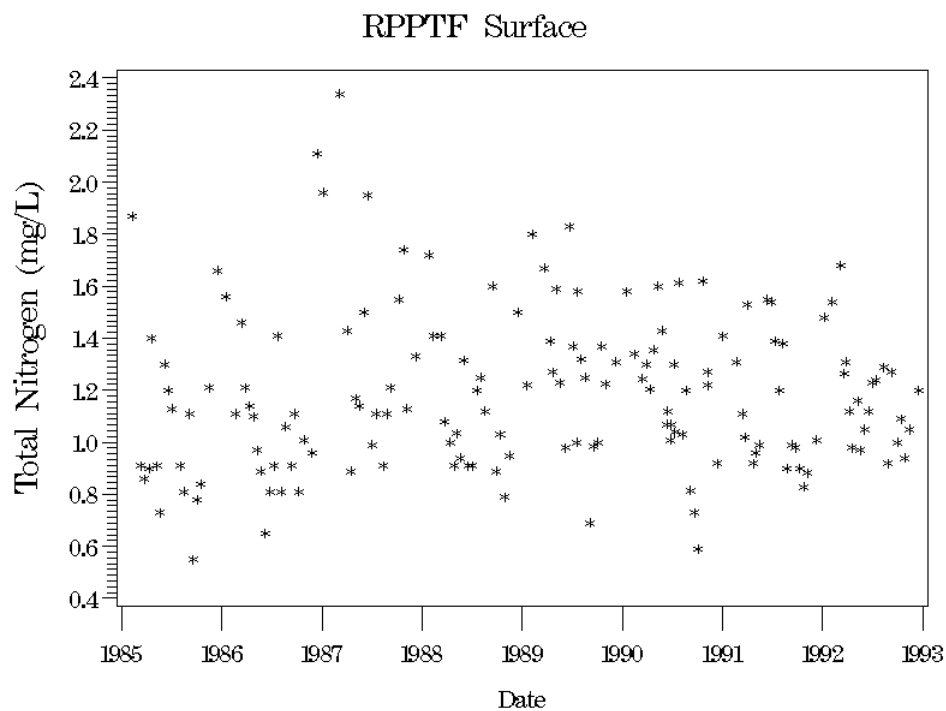


Figure 36. Scatterplot of bottom salinity at segment RPPOH during the period 1985 to 2003.

a) Pre-method change period



b) Post-method change period

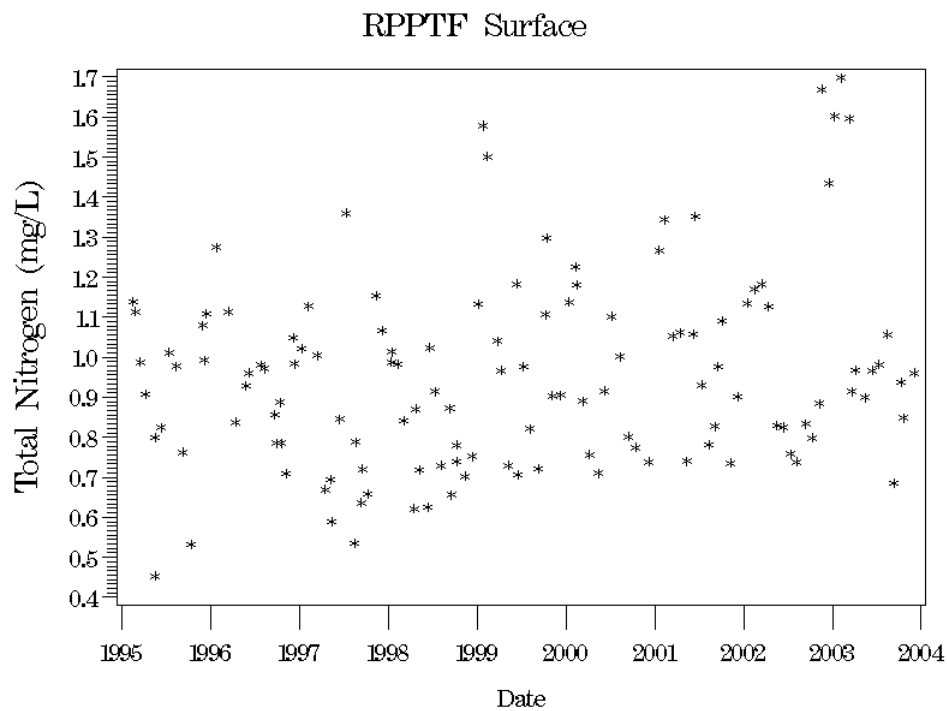
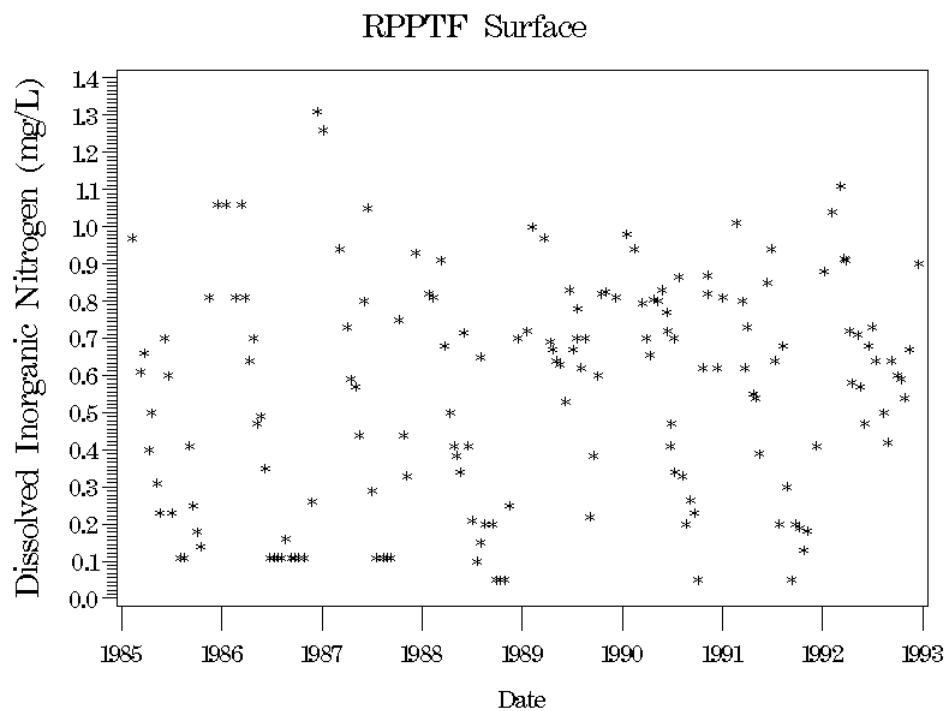


Figure 37. Scatterplots of surface total nitrogen at segment RPPTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

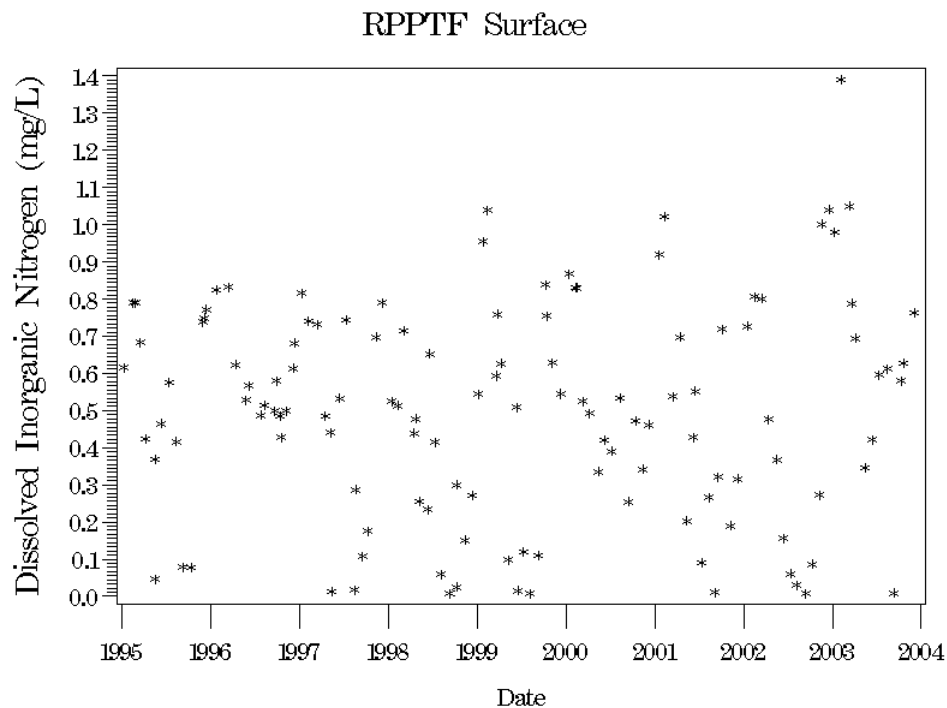
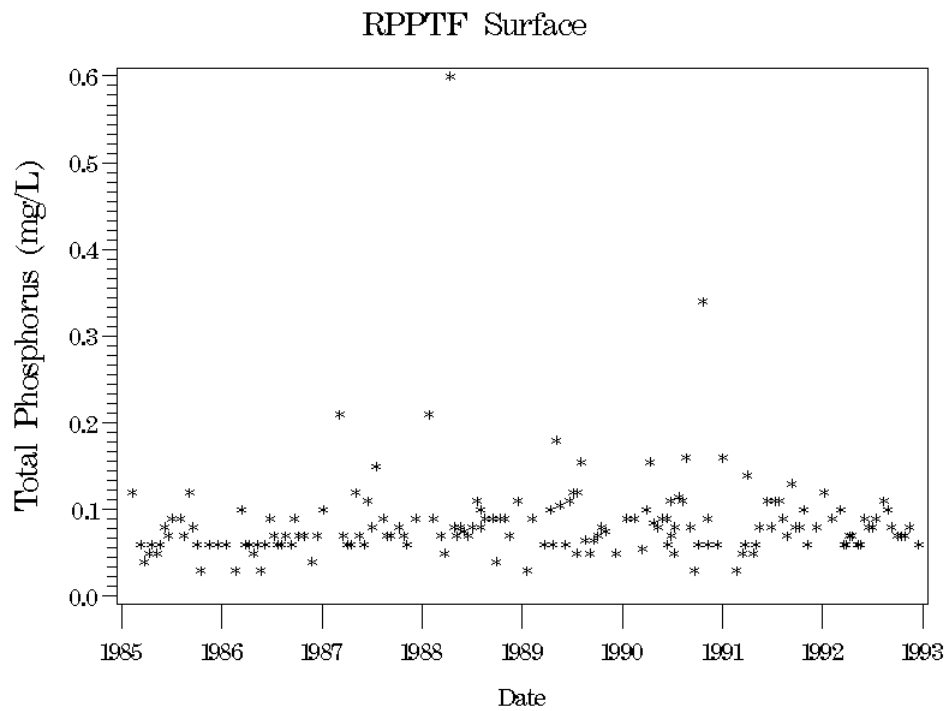


Figure 38. Scatterplots of surface dissolved inorganic nitrogen at segment RPPTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

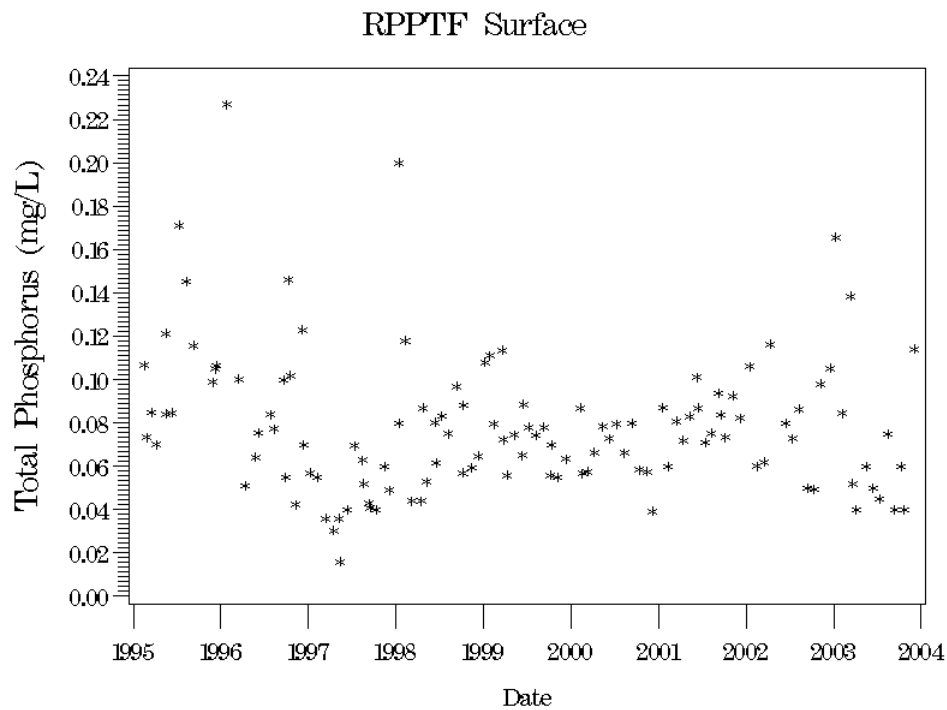
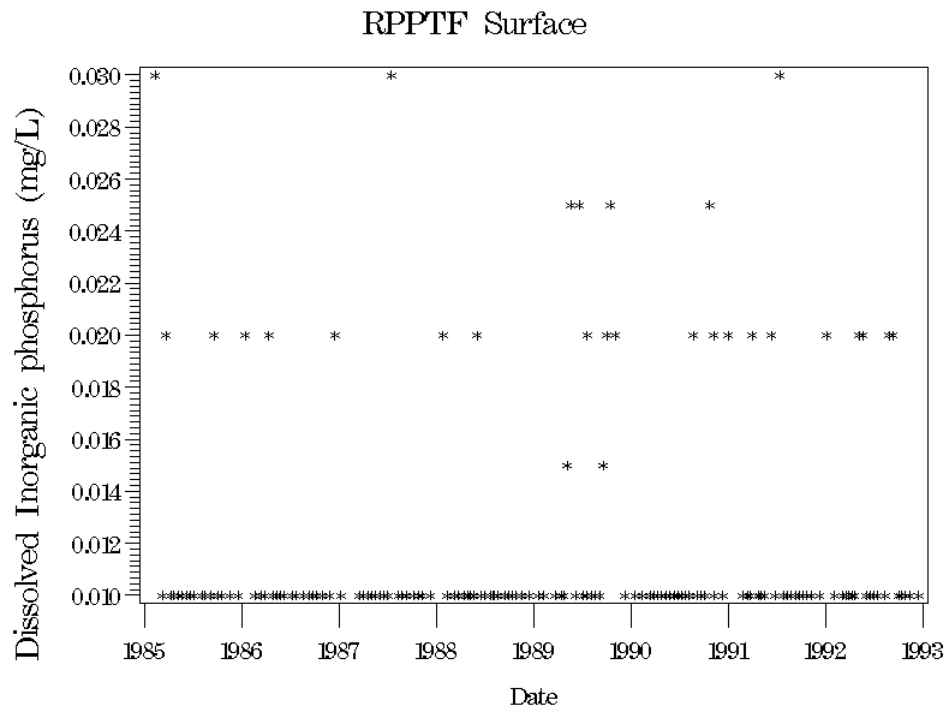


Figure 39. Scatterplots of surface total phosphorus at segment RPPTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.



a) Pre-method change period



b) Post-method change period

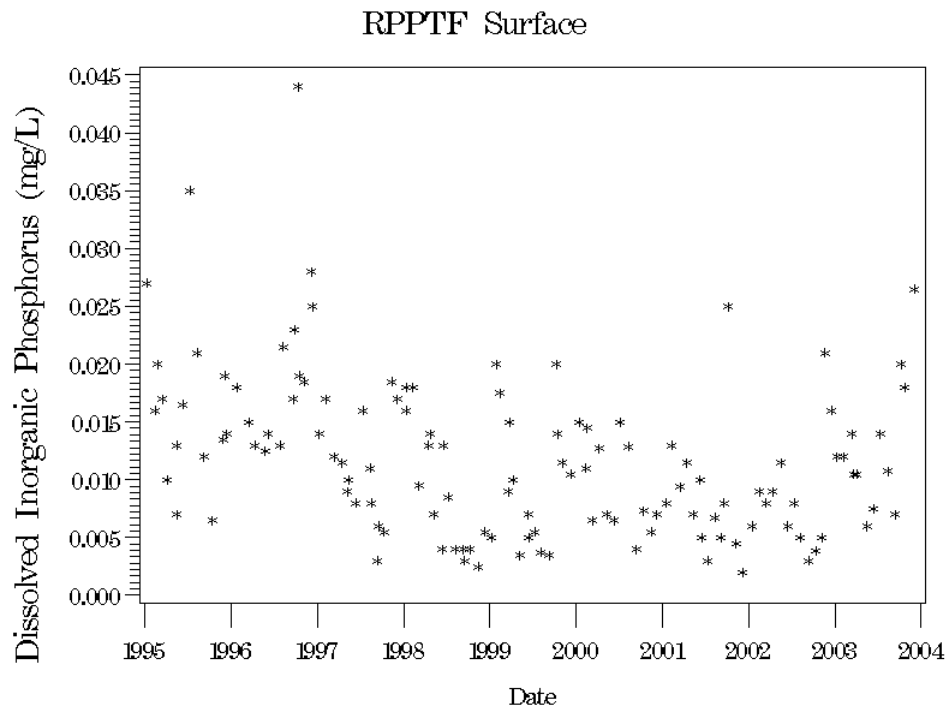


Figure 40. Scatterplots of surface dissolved inorganic phosphorus at segment RPPTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

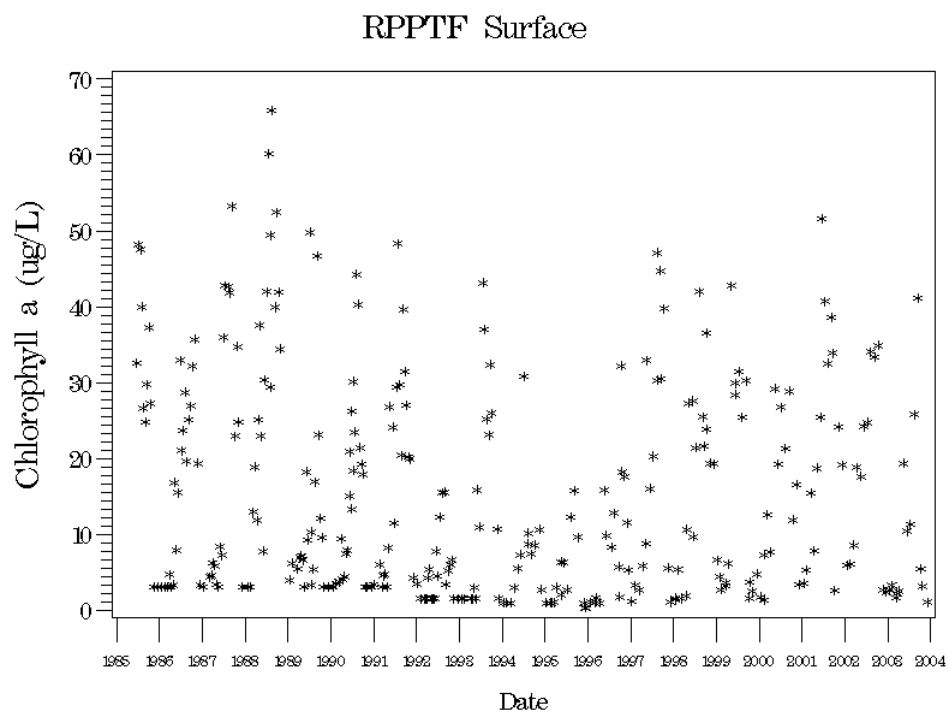


Figure 41. Scatterplot of surface chlorophyll *a* at segment RPPTF during the period 1985 to 2003.

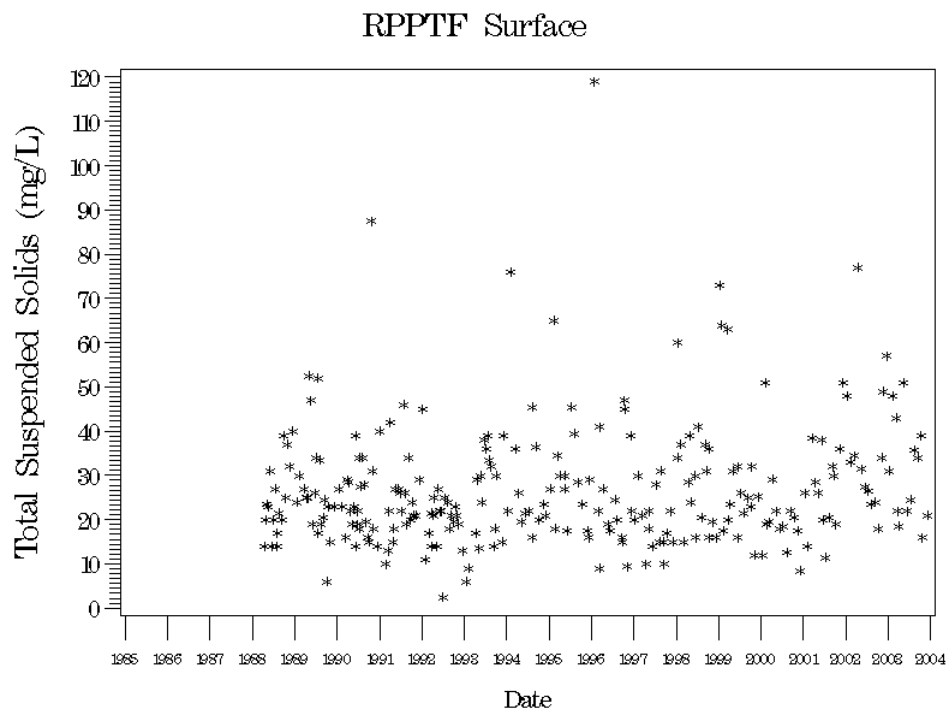


Figure 42. Scatterplot of surface total suspended solids at segment RPPTF during the period 1985 to 2003.

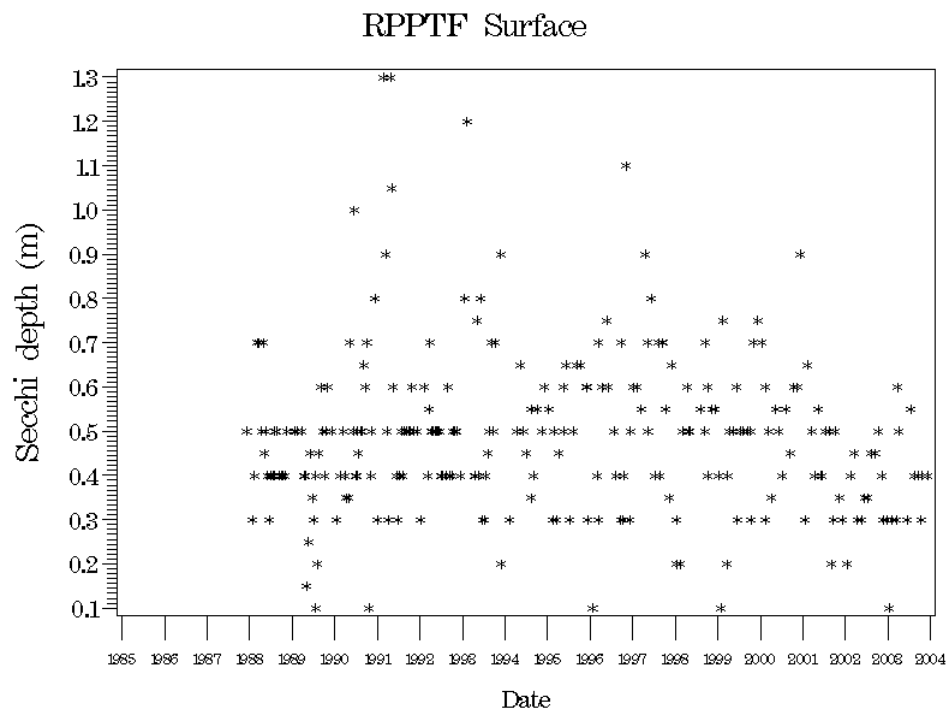


Figure 43. Scatterplot of secchi depth at segment RPPTF during the period 1985 to 2003.

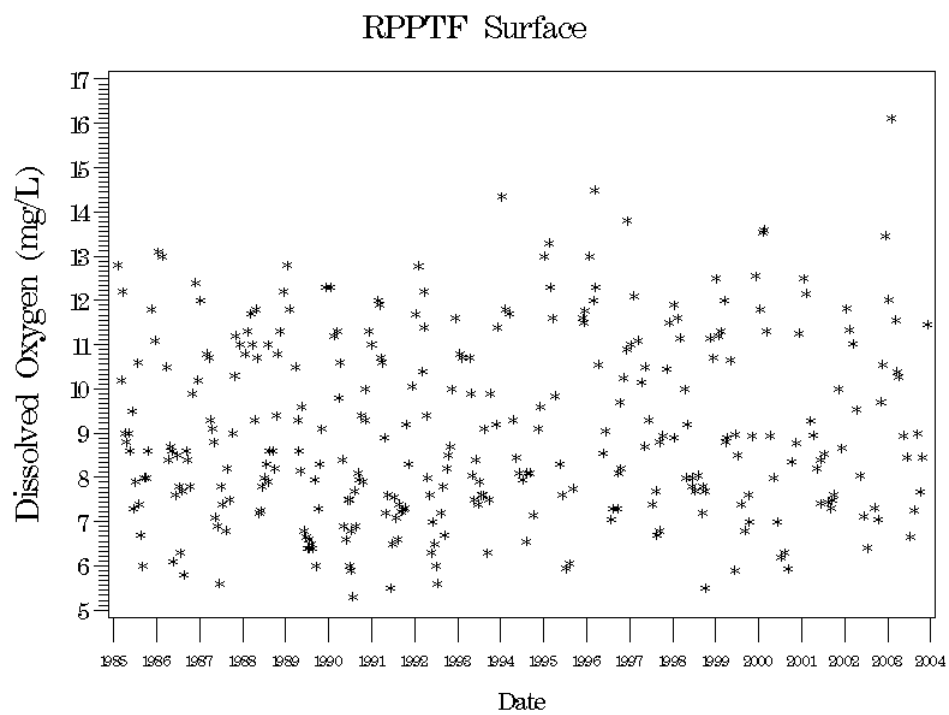


Figure 44. Scatterplot of surface dissolved oxygen at segment RPPTF during the period 1985 to 2003.

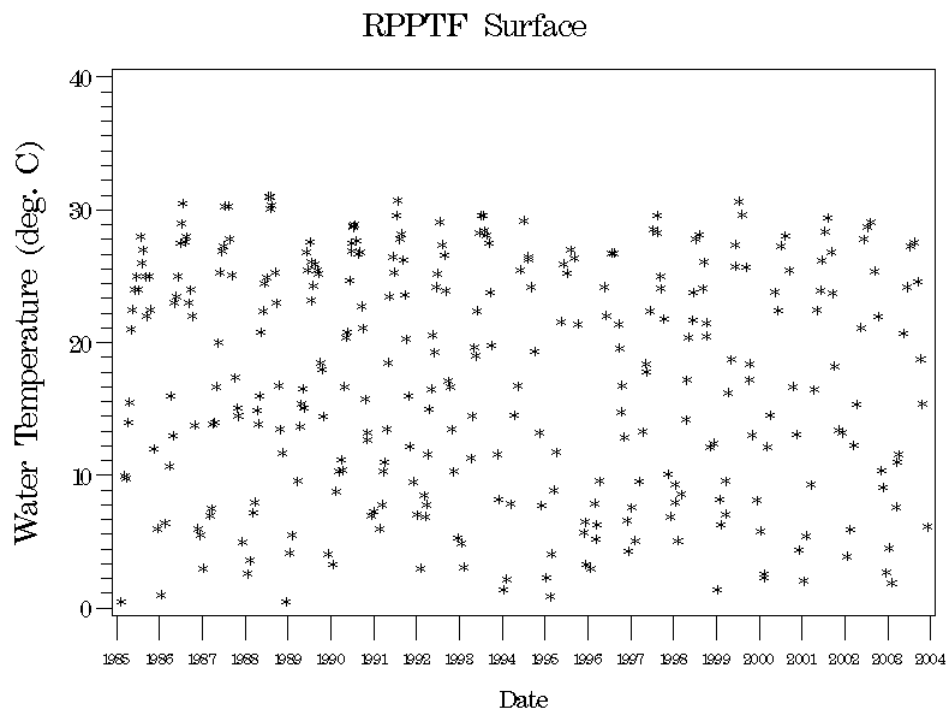


Figure 45. Scatterplot of surface water temperature at segment RPPTF during the period 1985 to 2003.

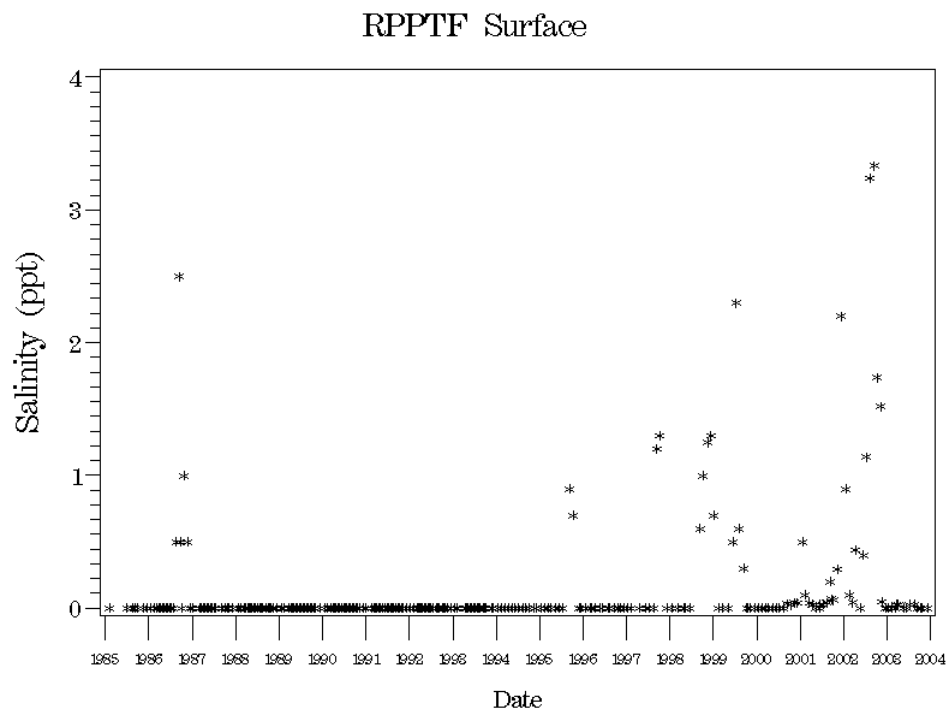
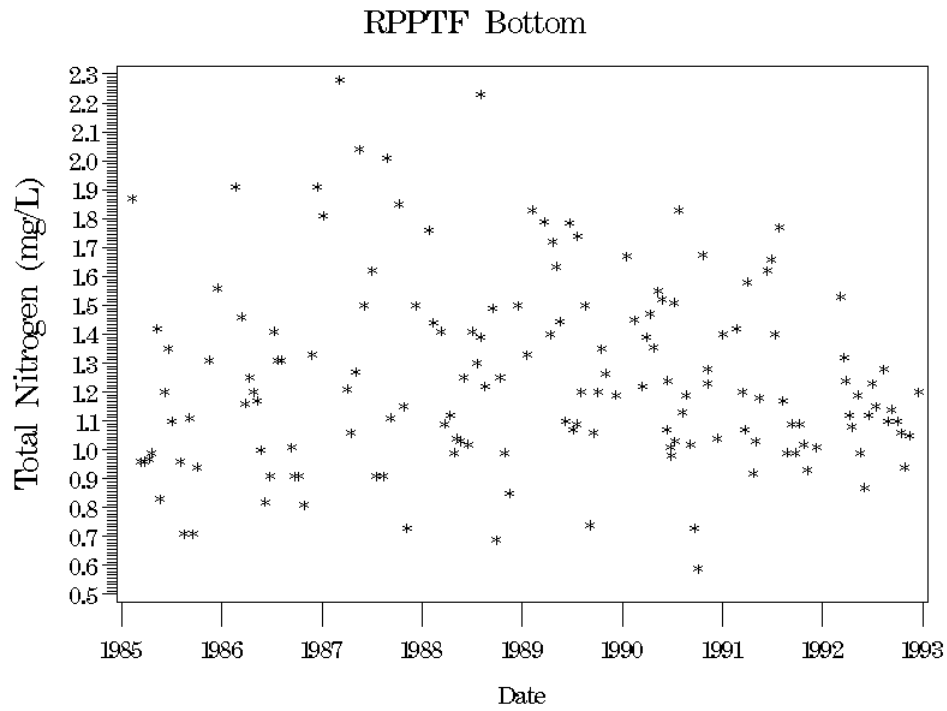


Figure 46. Scatterplot of surface salinity at segment RPPTF during the period 1985 to 2003.

a) Pre-method change period



b) Post-method change period

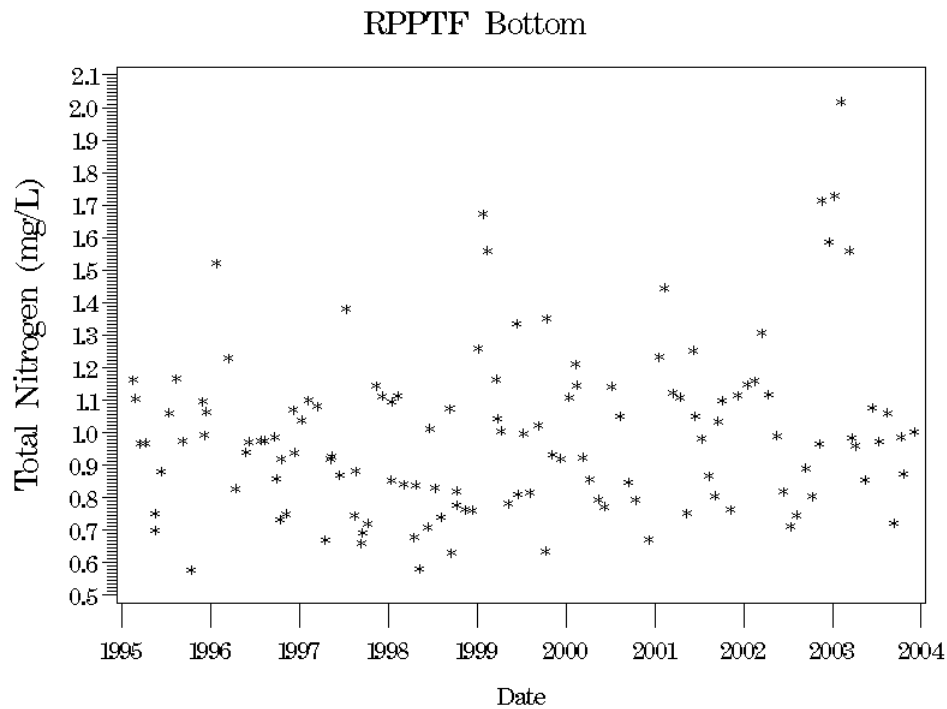
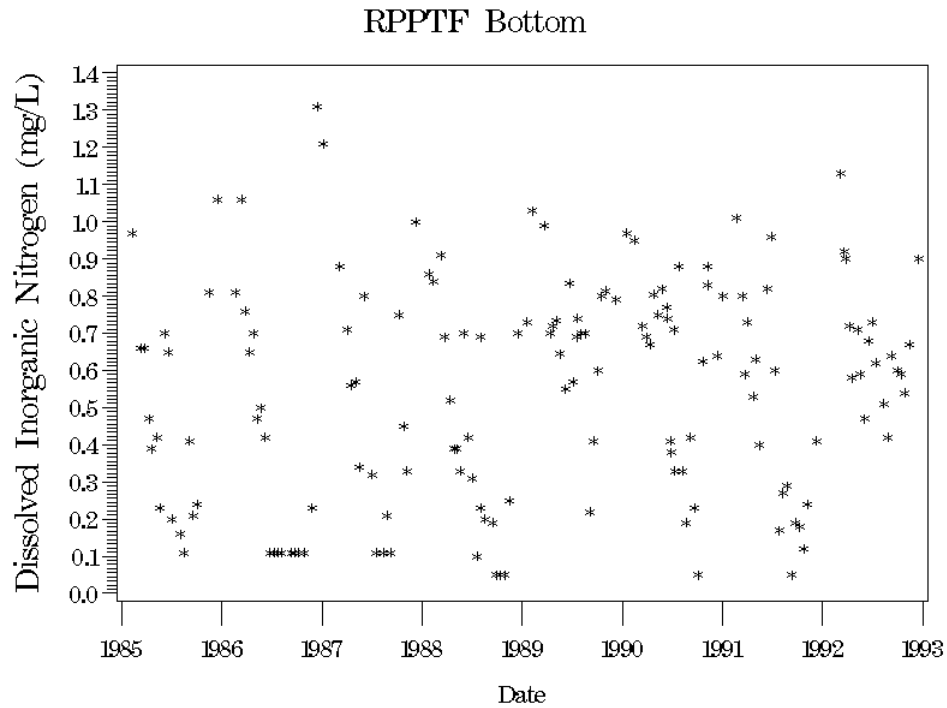


Figure 47. Scatterplots of bottom total nitrogen at segment RPPTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.



a) Pre-method change period



b) Post-method change period

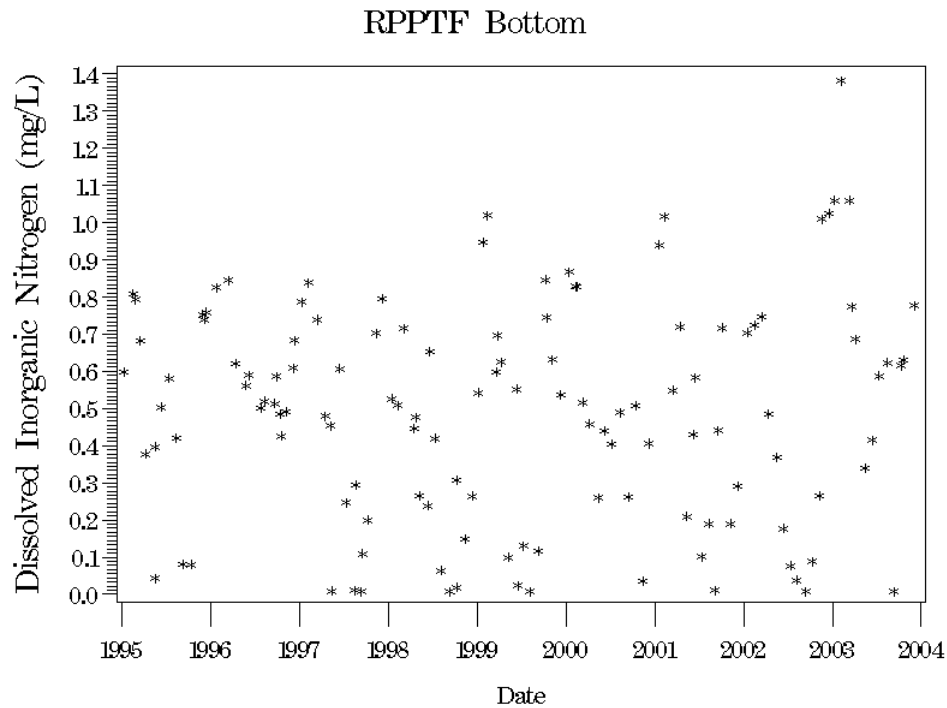
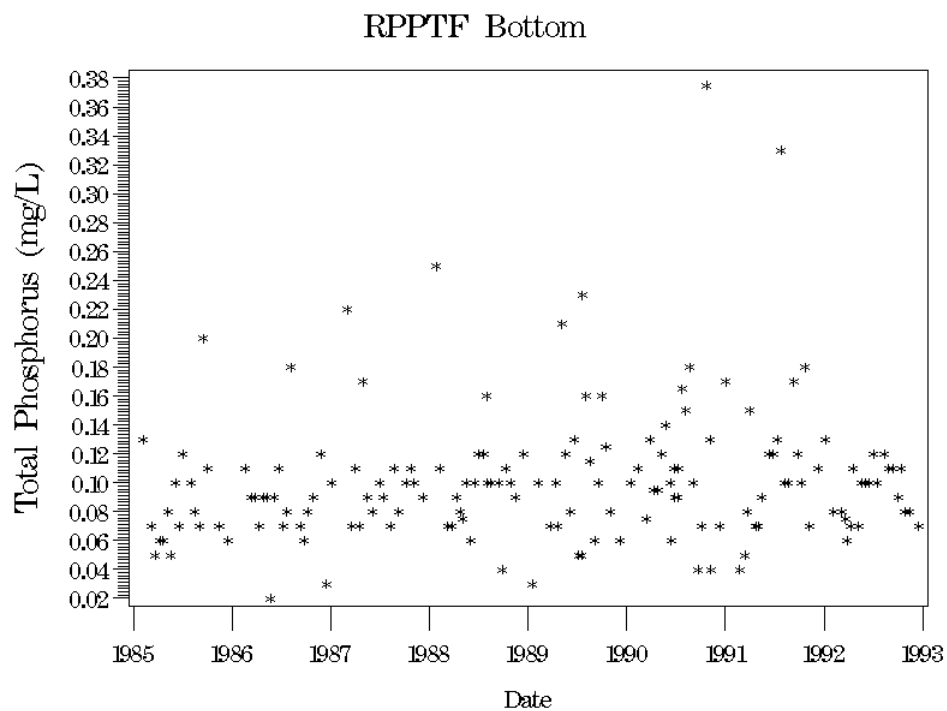


Figure 48. Scatterplots of bottom dissolved inorganic nitrogen at segment RPPTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

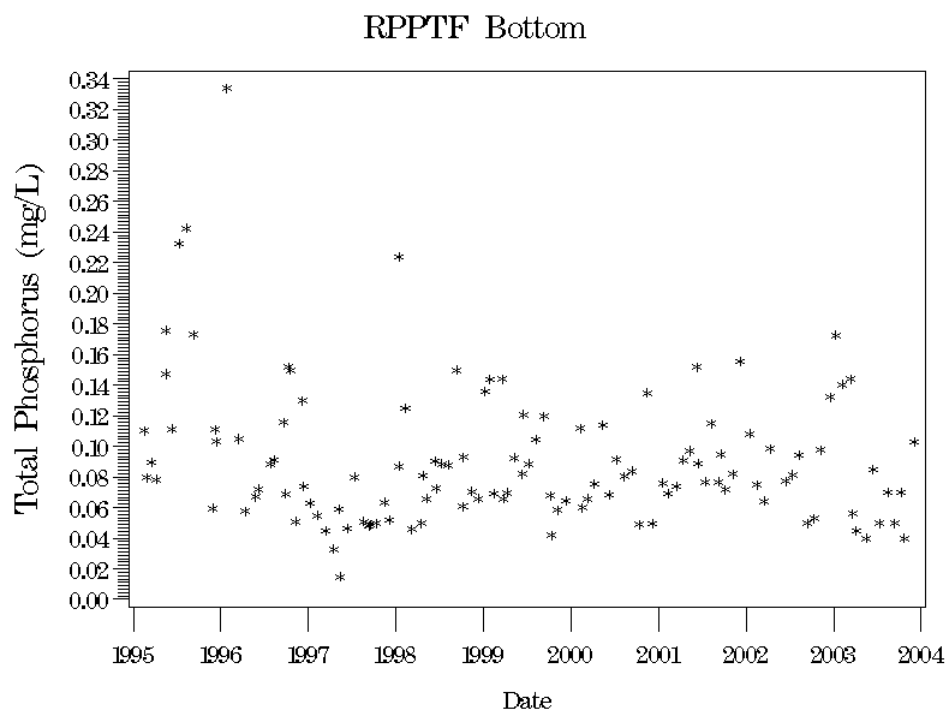
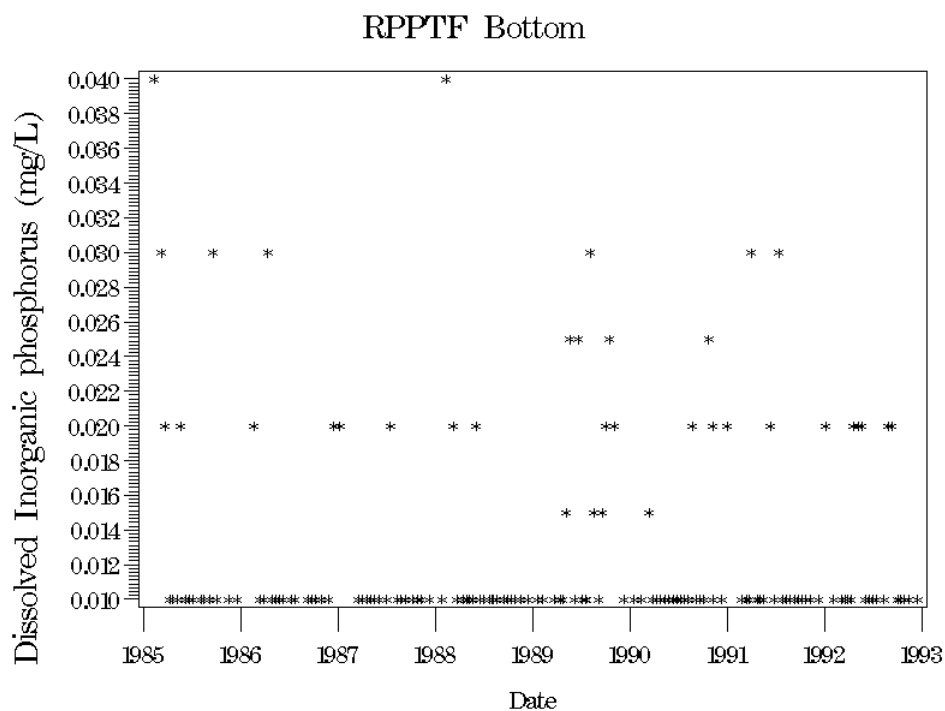


Figure 49. Scatterplots of bottom total phosphorus at segment RPPTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

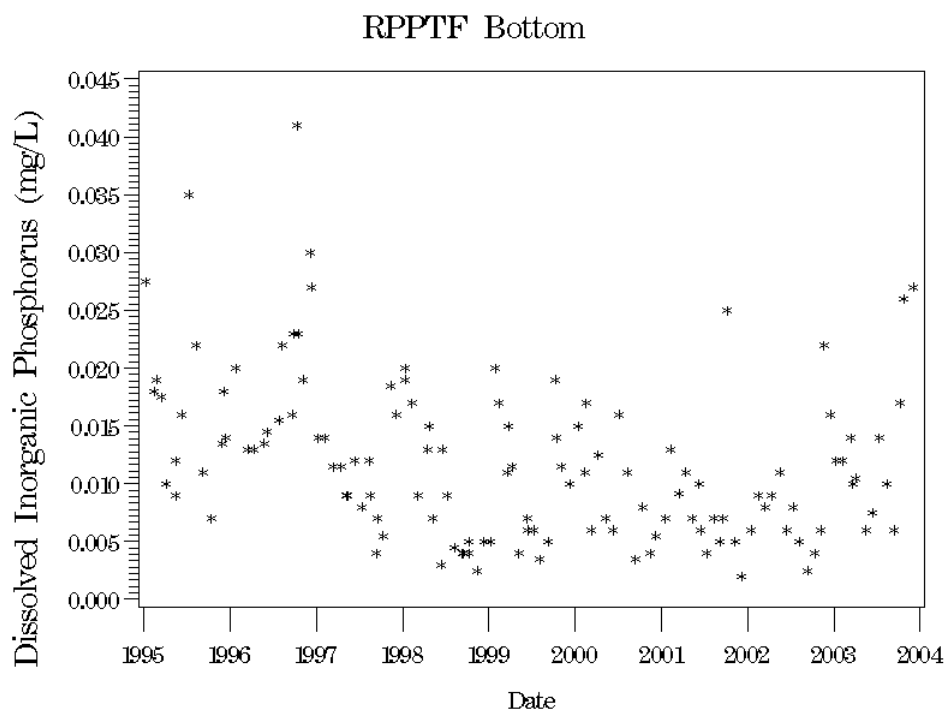


Figure 50. Scatterplots of bottom dissolved inorganic phosphorus at segment RPPTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

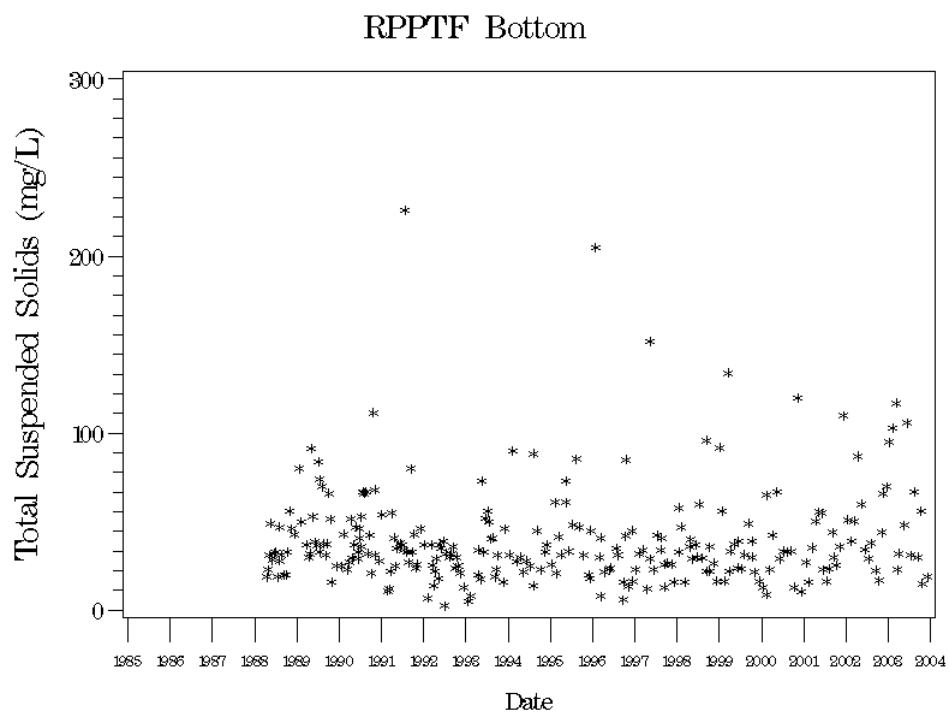


Figure 51. Scatterplot of bottom total suspended solids at segment RPPTF during the period 1985 to 2003.

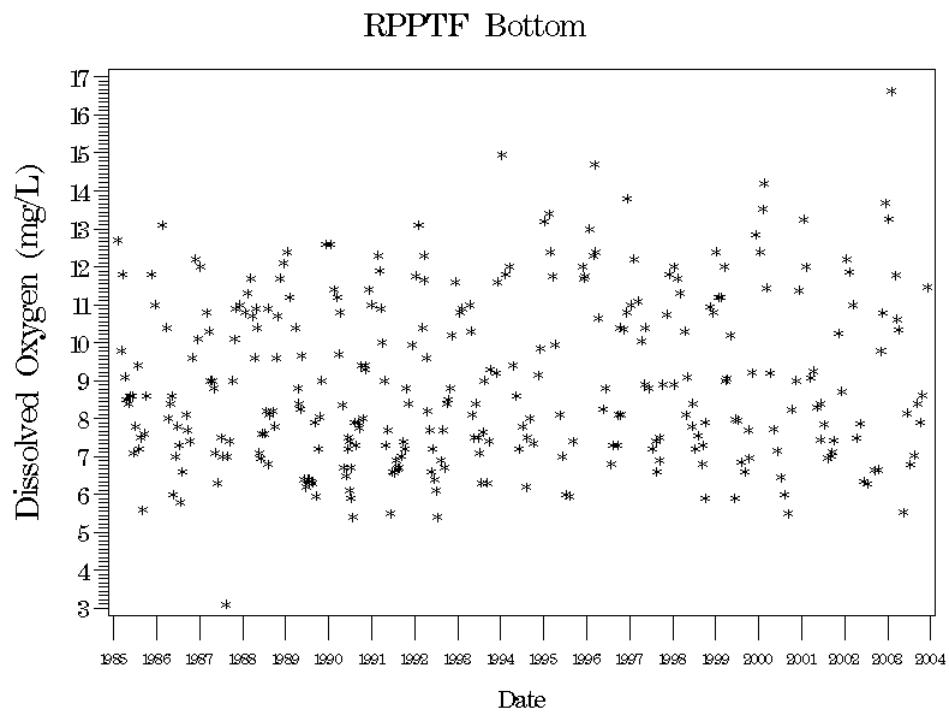


Figure 52. Scatterplot of bottom dissolved oxygen at segment RPPTF during the period 1985 to 2003.

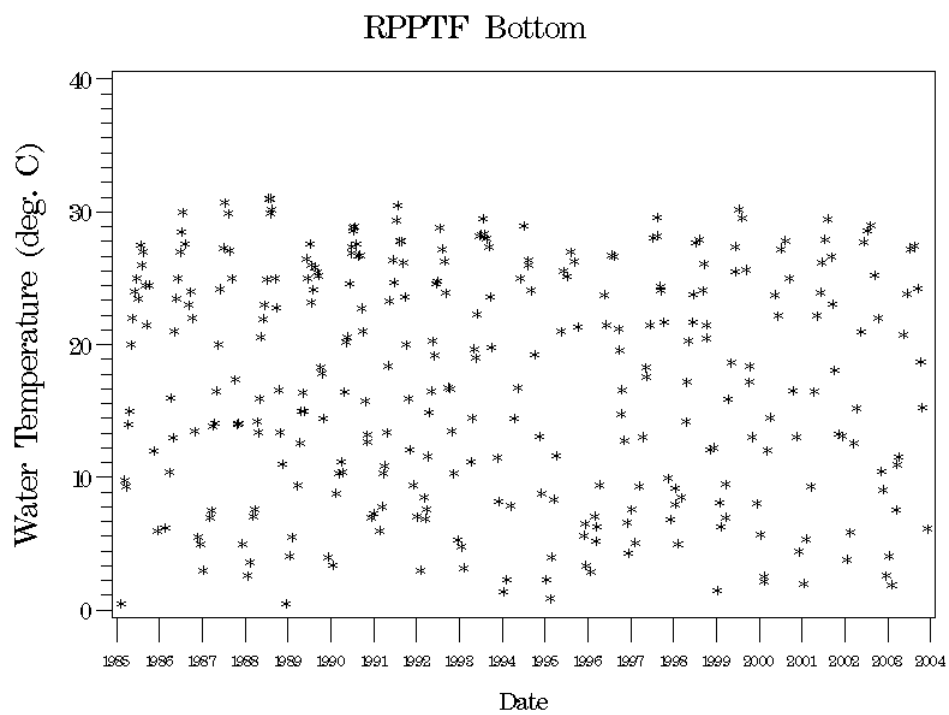


Figure 53. Scatterplot of bottom water temperature at segment RPPTF during the period 1985 to 2003.

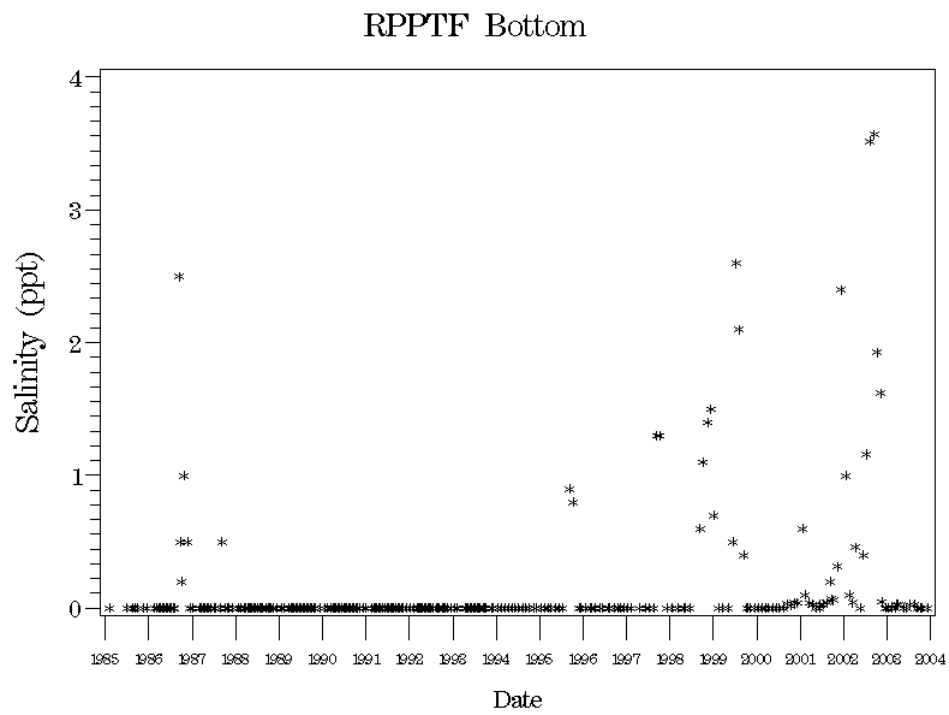
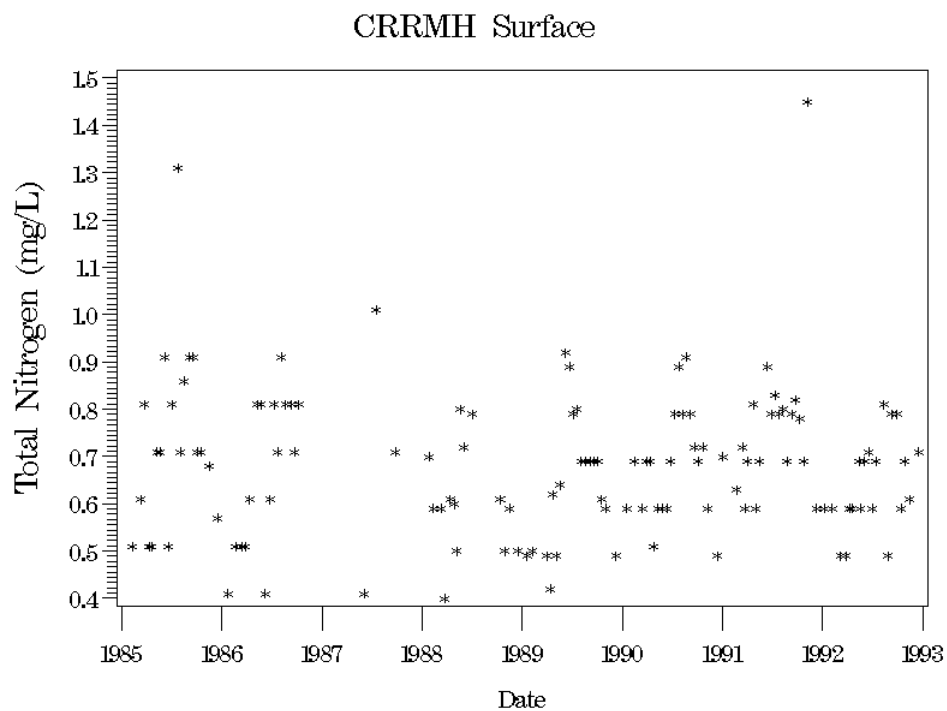


Figure 54. Scatterplot of bottom salinity at segment RPPTF during the period 1985 to 2003.

a) Pre-method change period



b) Post-method change period

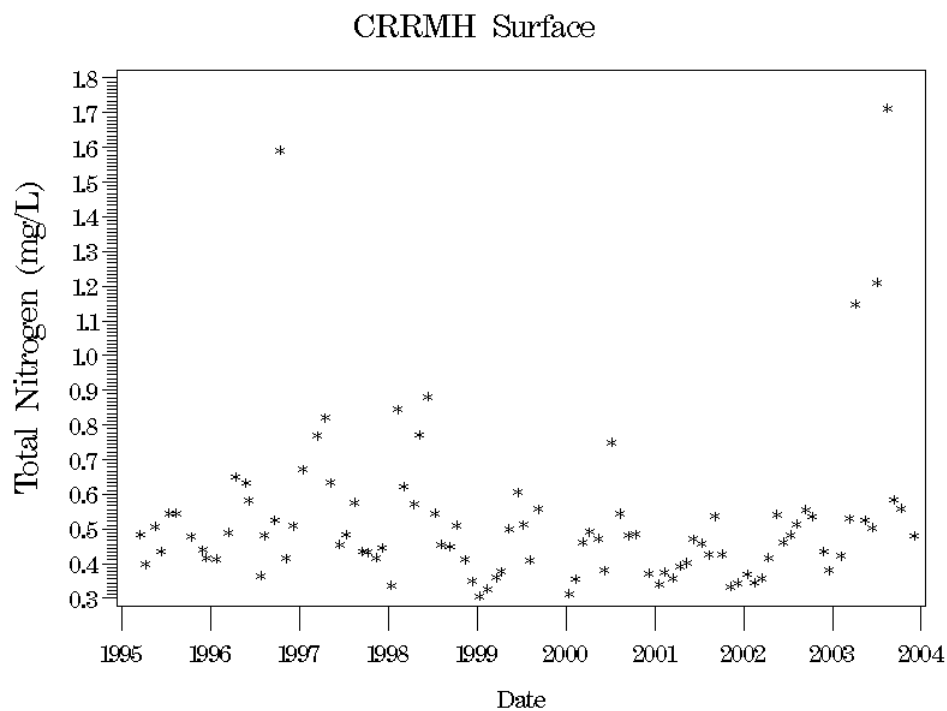
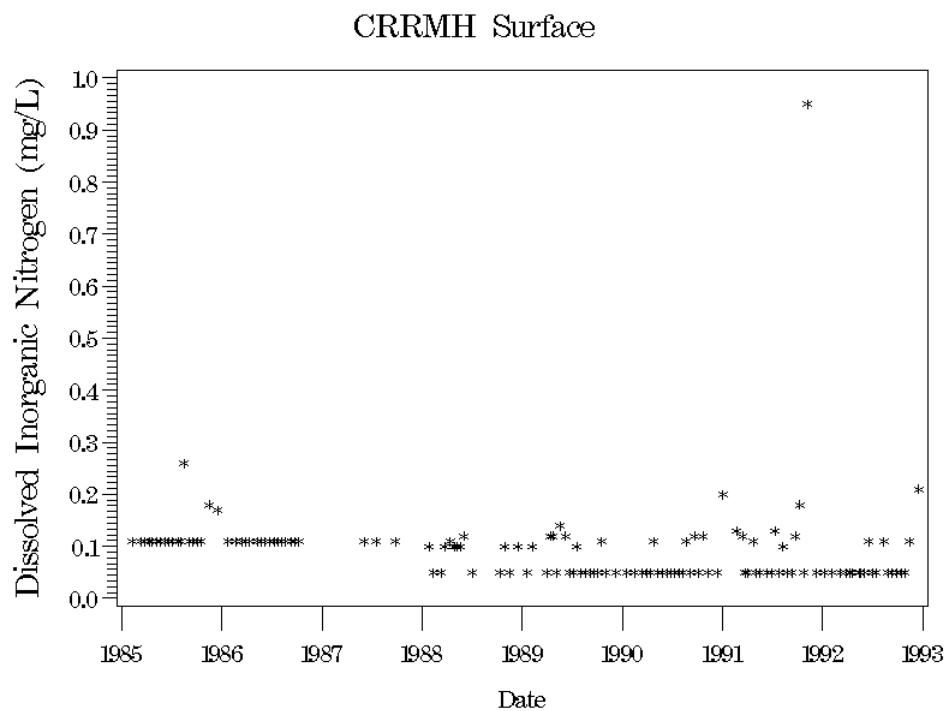


Figure 55. Scatterplots of surface total nitrogen at segment CRRMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.



a) Pre-method change period



b) Post-method change period

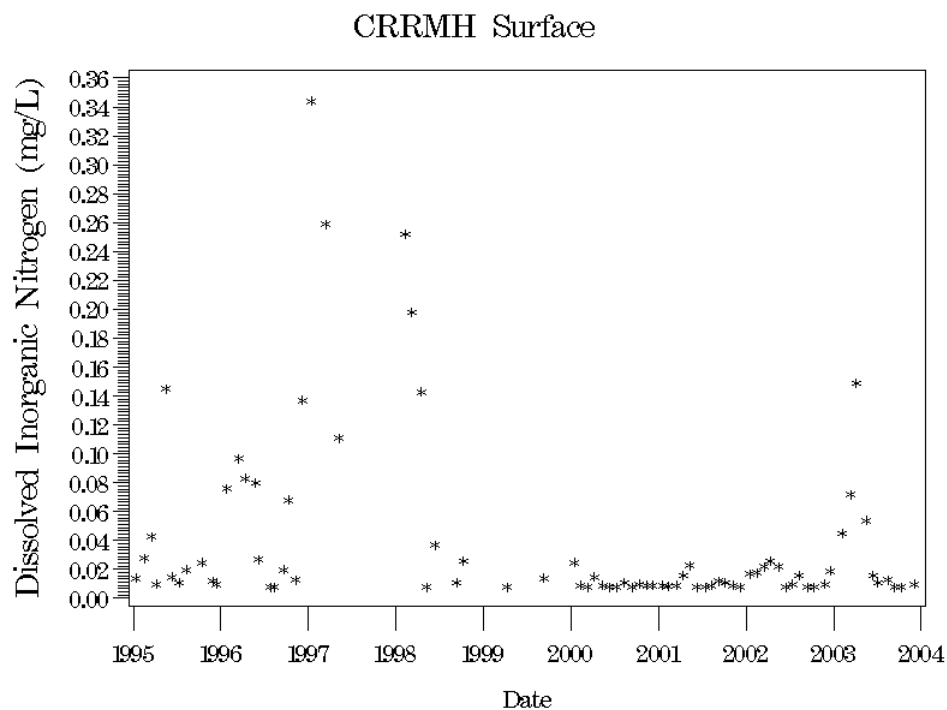
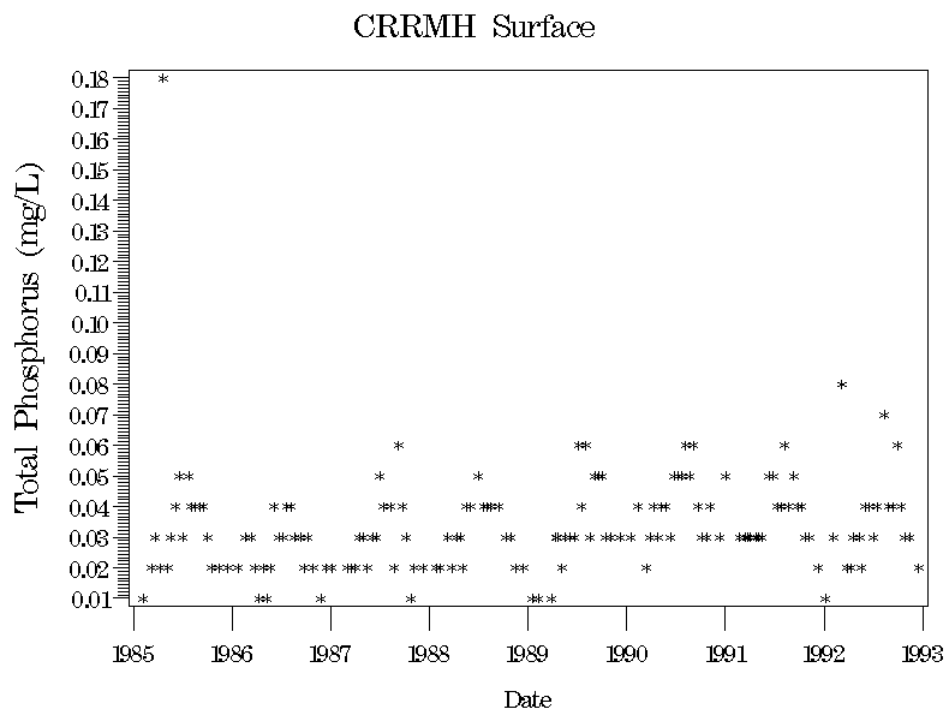


Figure 56. Scatterplots of surface dissolved inorganic nitrogen at segment CRRMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

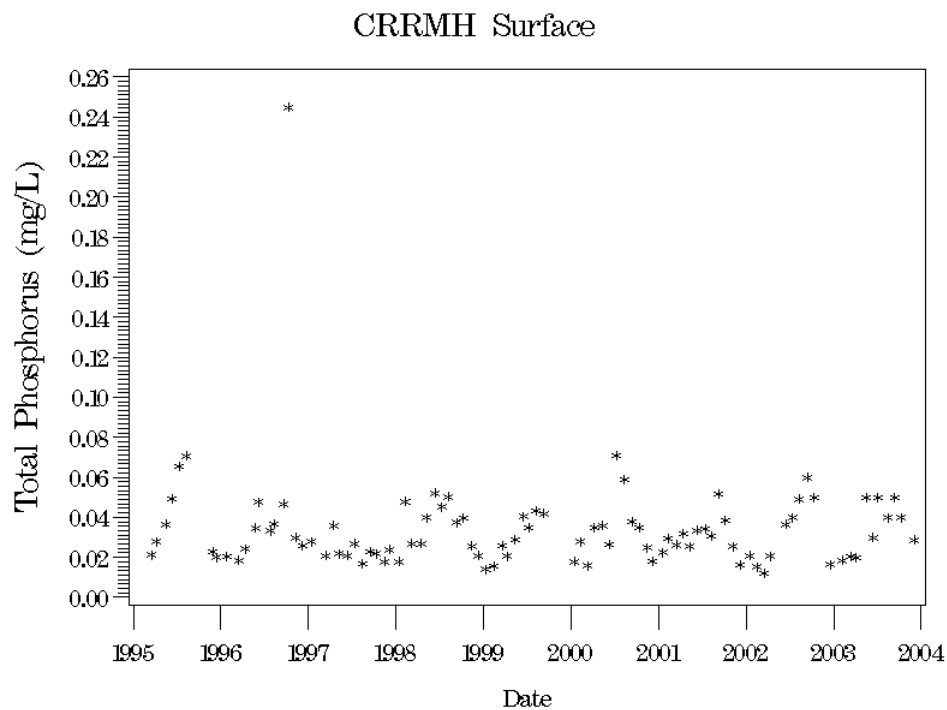
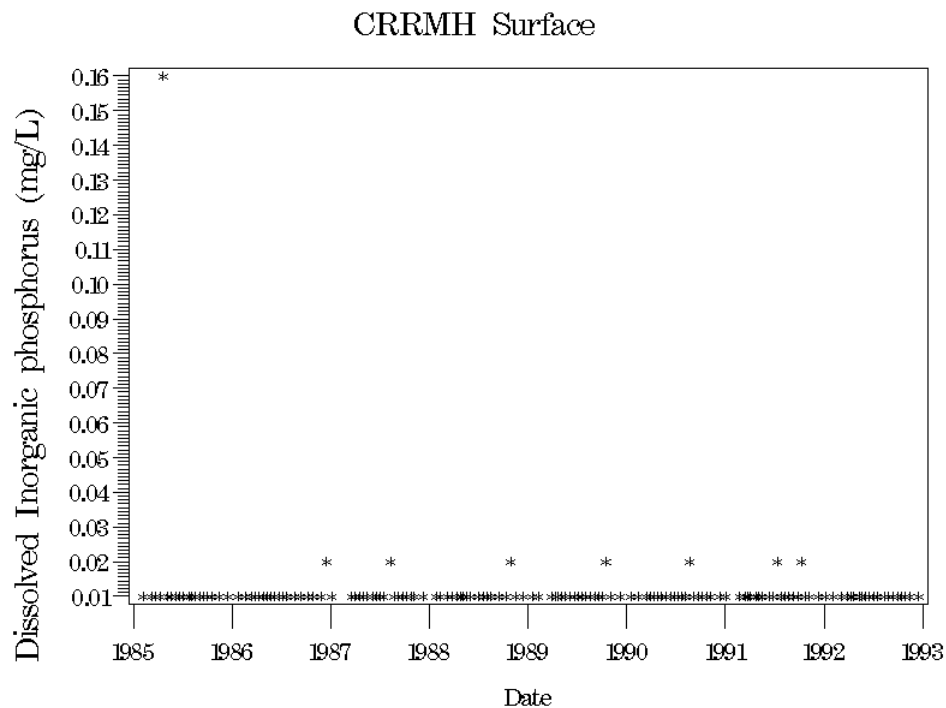


Figure 57. Scatterplots of surface total phosphorus at segment CRRMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

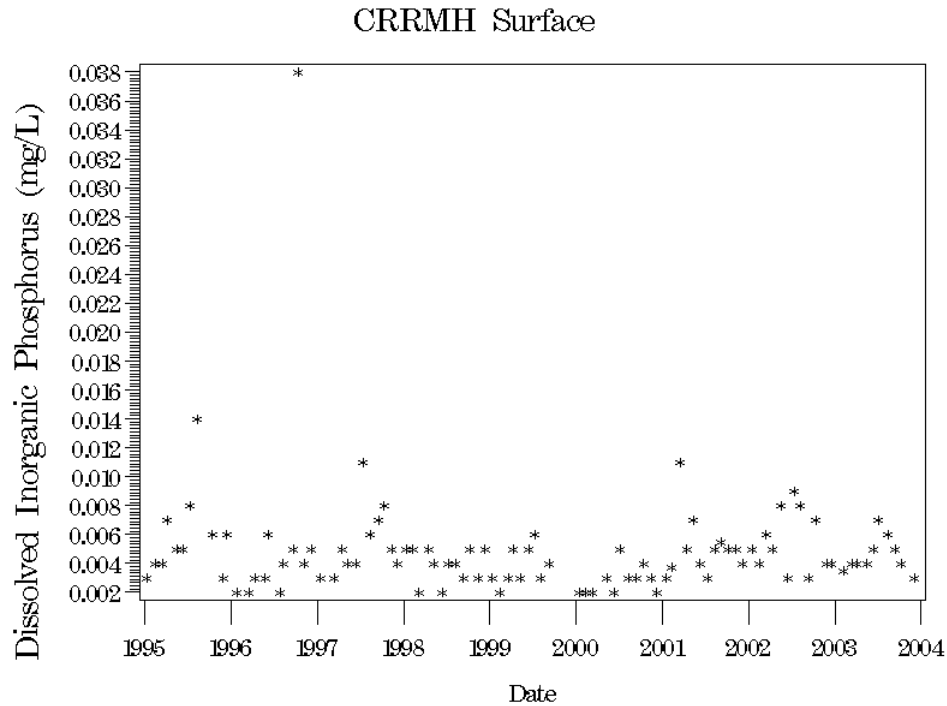


Figure 58. Scatterplots of surface dissolved inorganic phosphorus at segment CRRMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

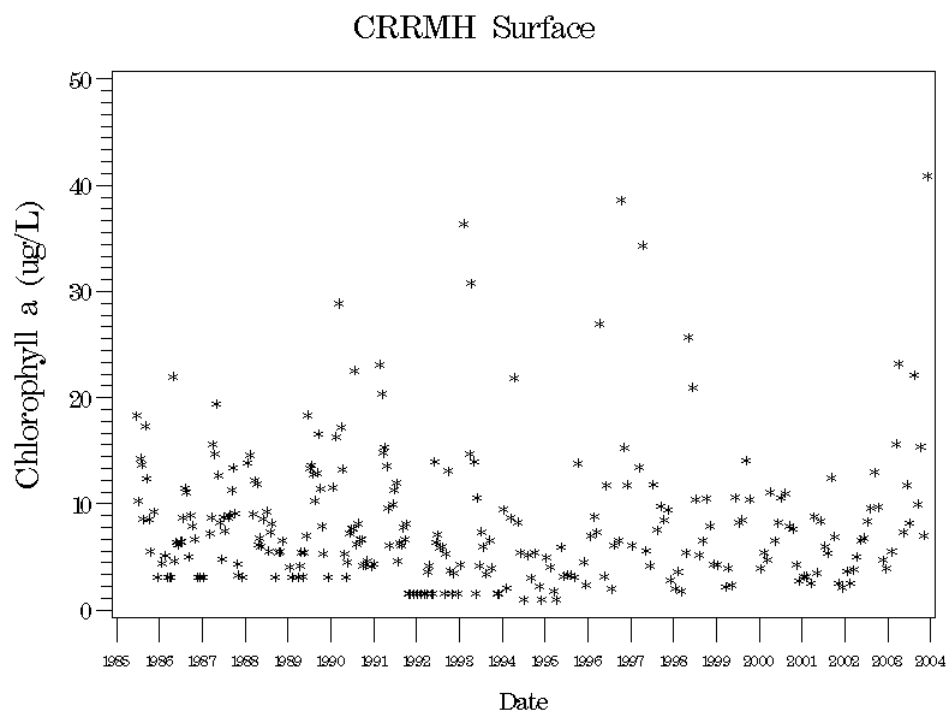


Figure 59. Scatterplot of surface chlorophyll *a* at segment CRRMH during the period 1985 to 2003.

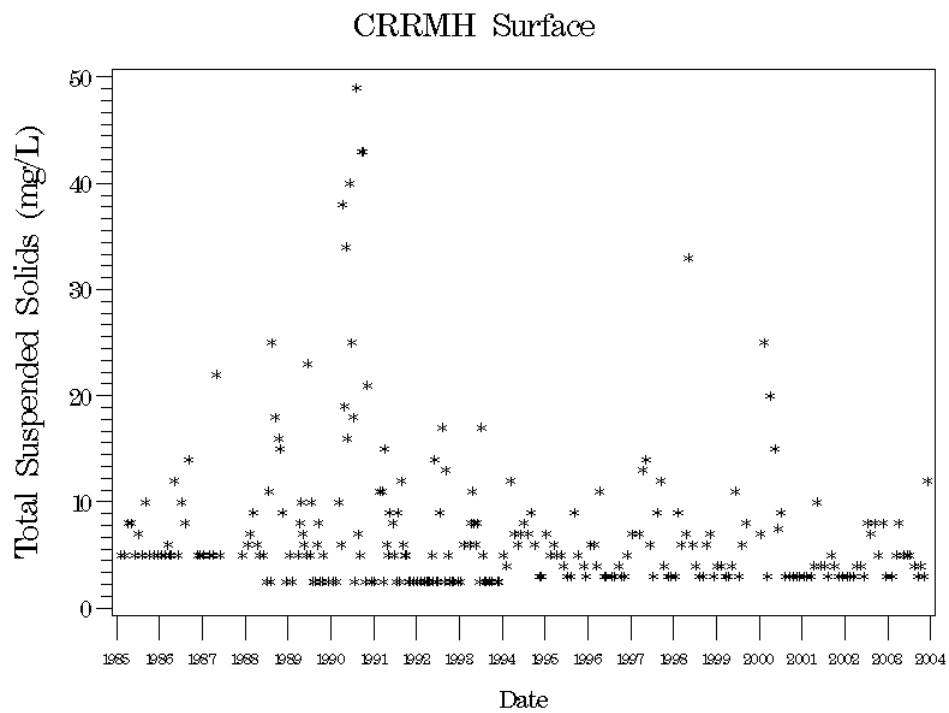


Figure 60. Scatterplot of surface total suspended solids at segment CRRMH during the period 1985 to 2003.

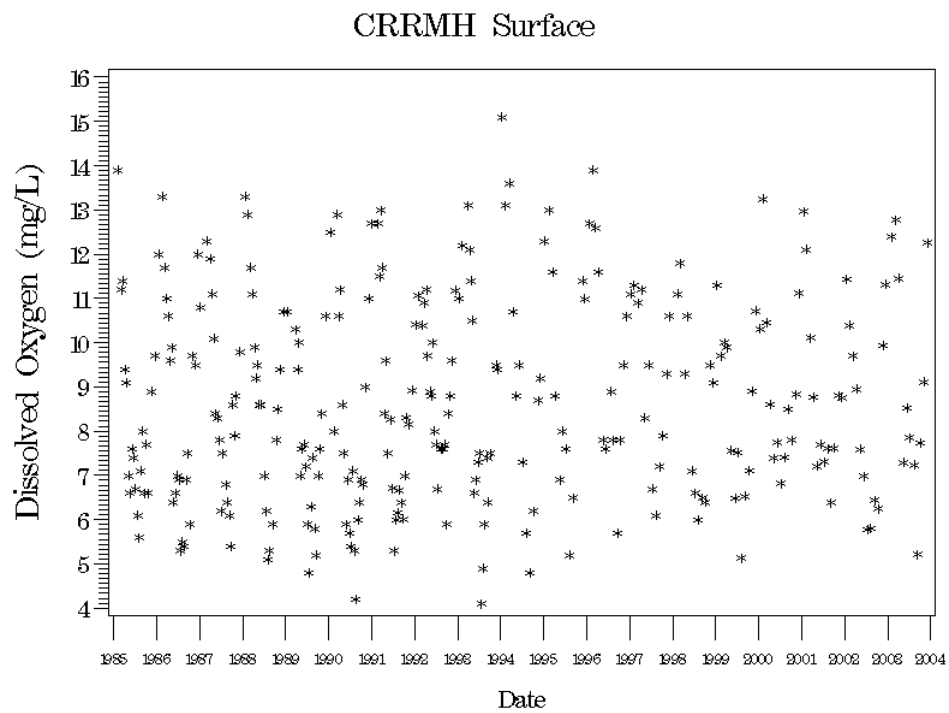


Figure 61. Scatterplot of surface dissolved oxygen at segment CRRMH during the period 1985 to 2003.

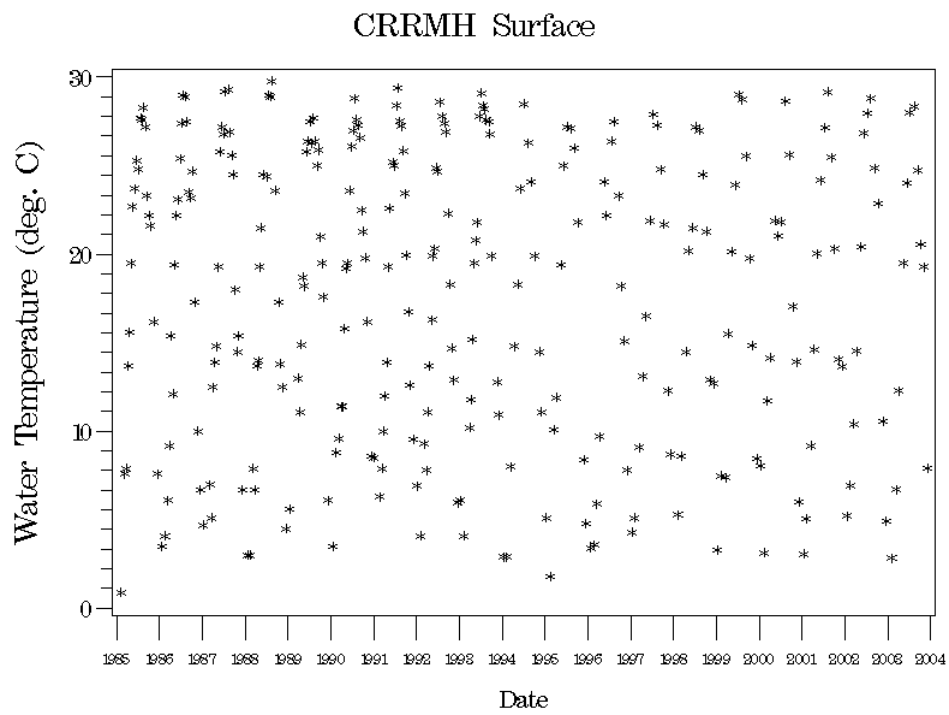


Figure 62. Scatterplot of surface water temperature at segment CRRMH during the period 1985 to 2003.

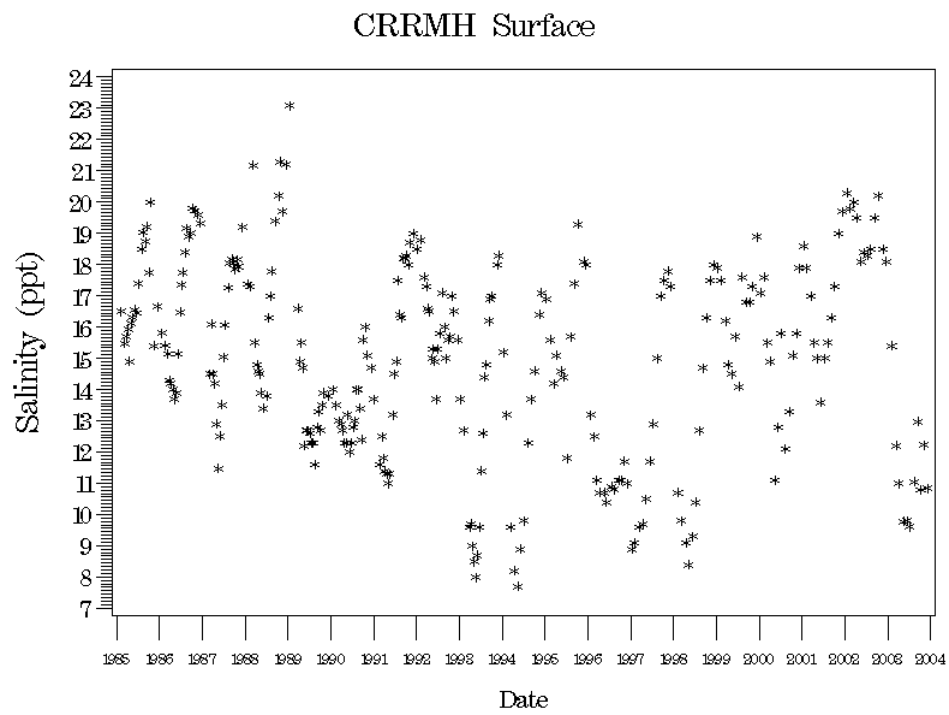
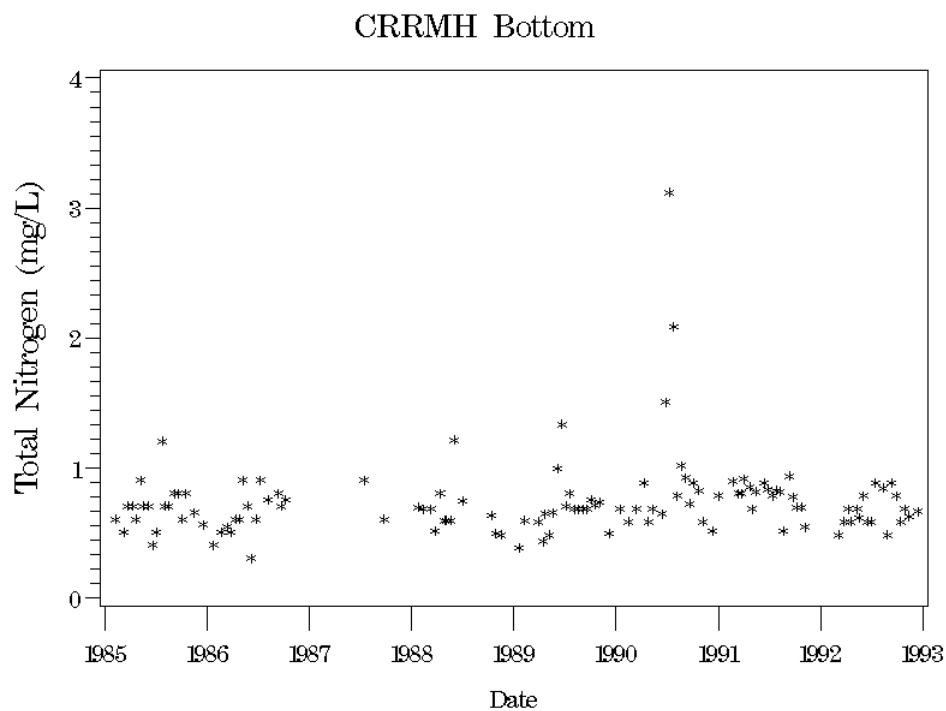


Figure 63. Scatterplot of surface salinity at segment CRRMH during the period 1985 to 2003.



a) Pre-method change period



b) Post-method change period

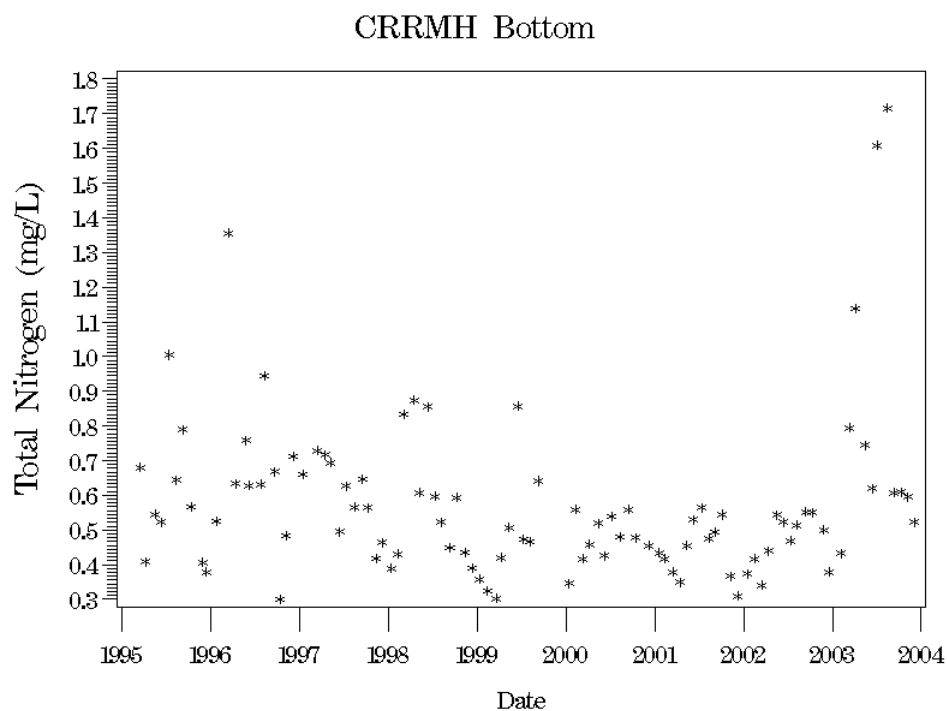
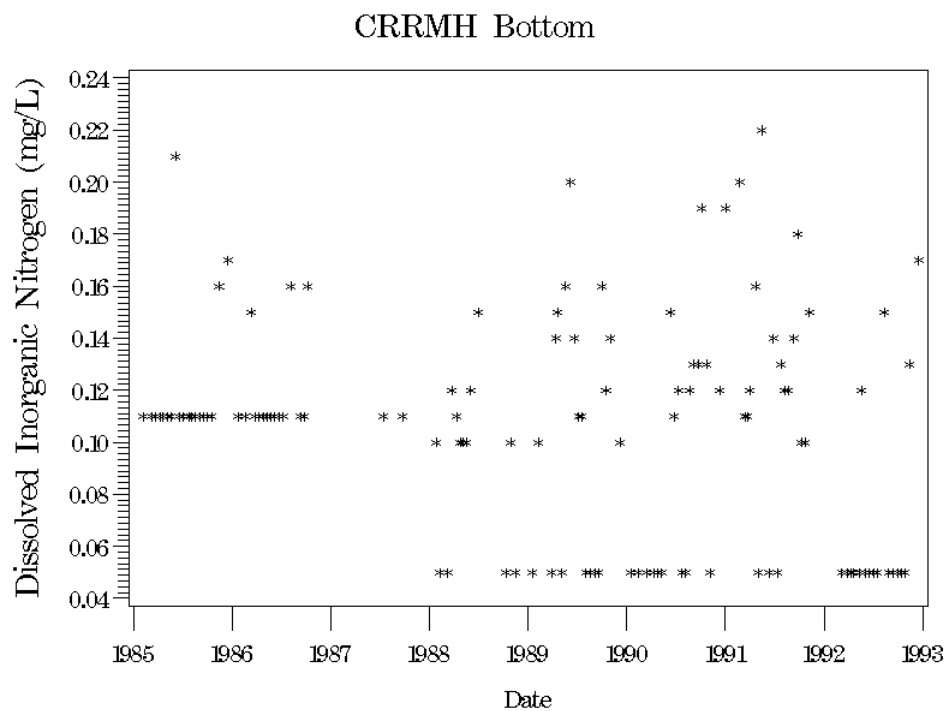


Figure 64. Scatterplots of bottom total nitrogen at segment CRRMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

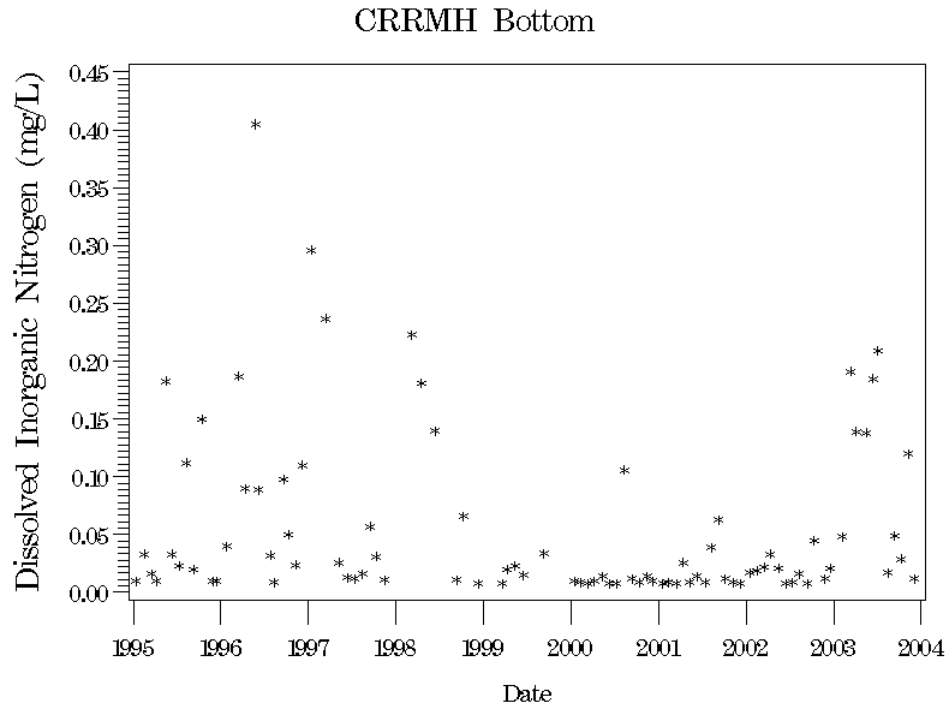
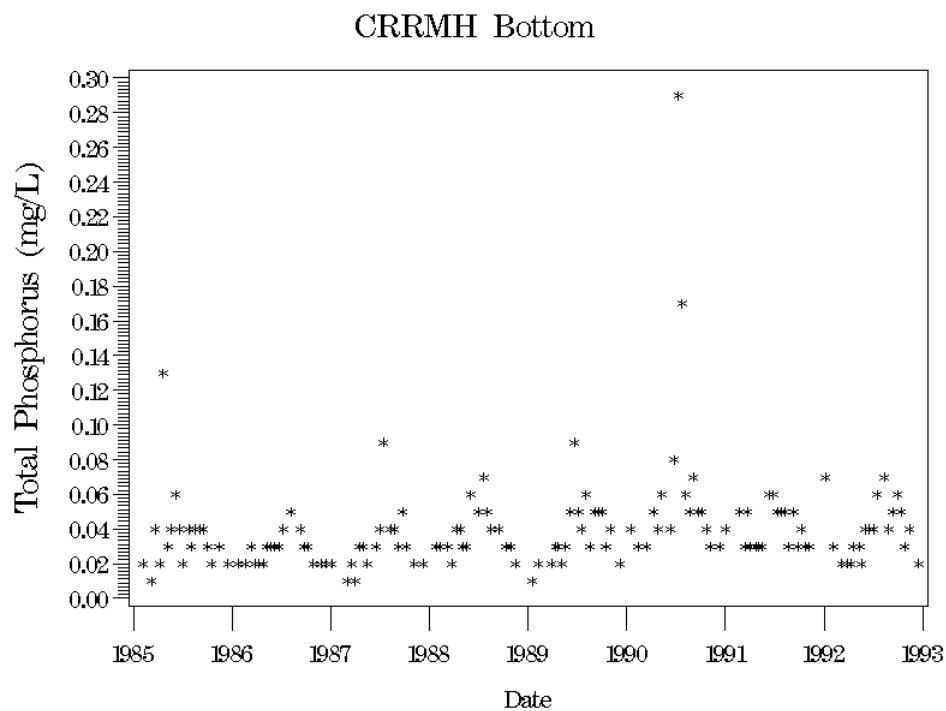


Figure 65. Scatterplots of bottom dissolved inorganic nitrogen at segment CRRMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

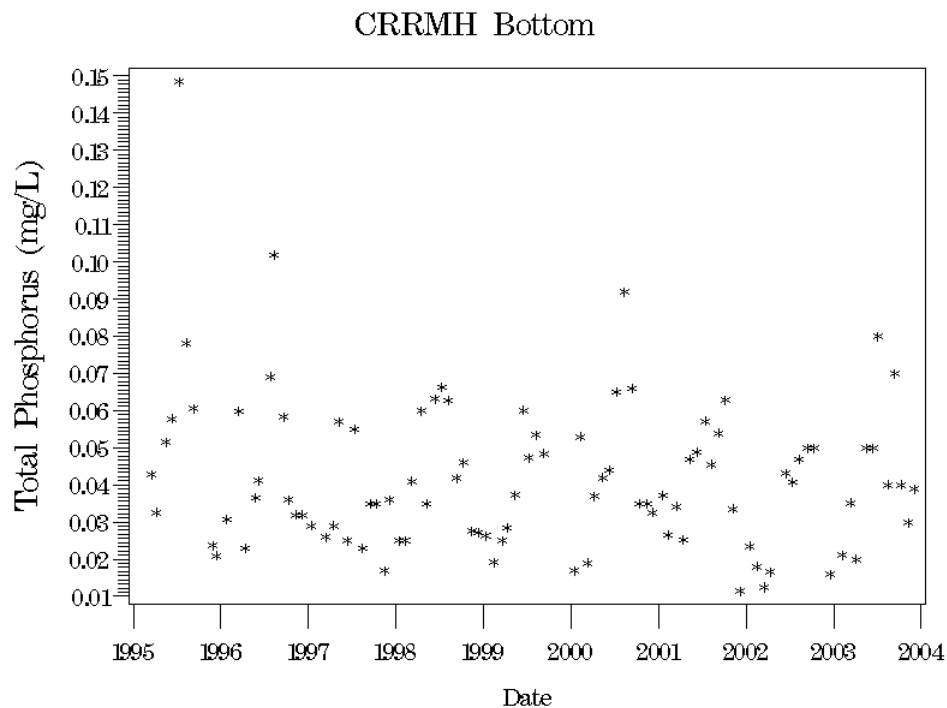
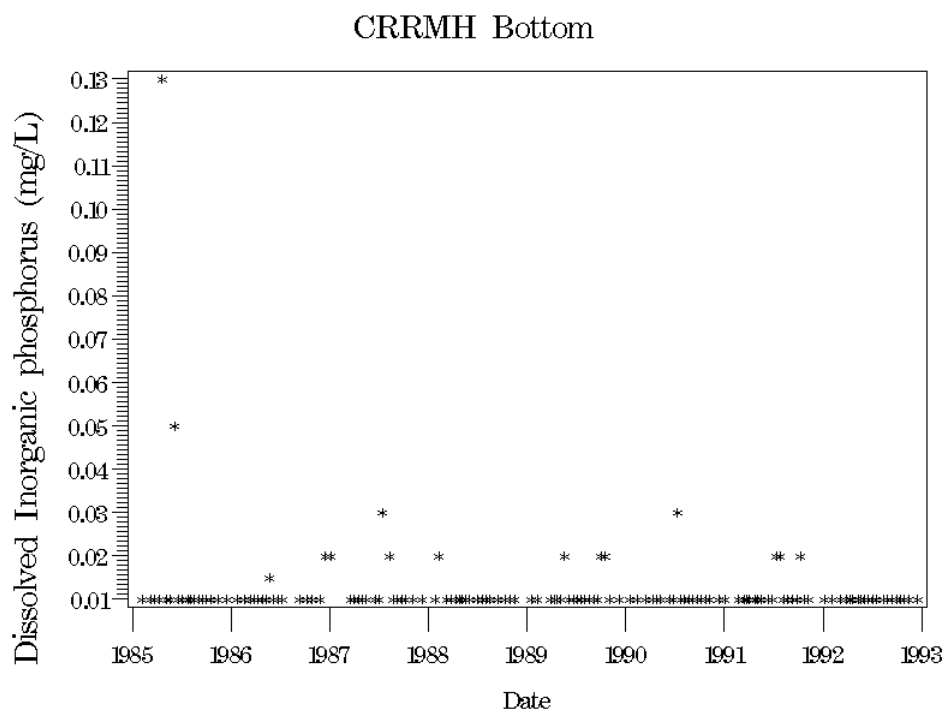


Figure 66. Scatterplots of bottom total phosphorus at segment CRRMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.

a) Pre-method change period



b) Post-method change period

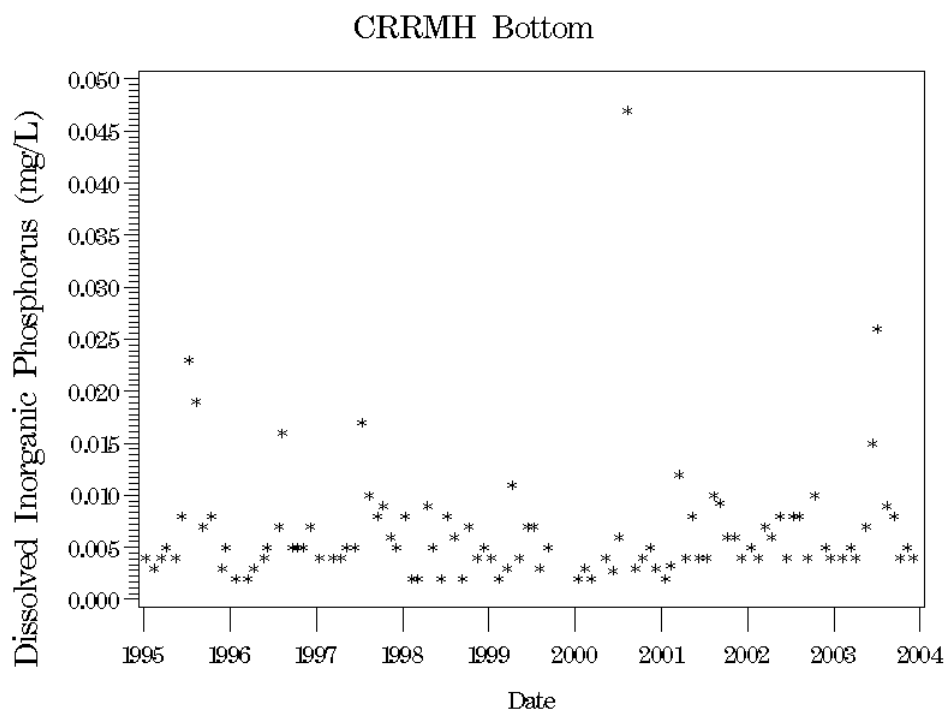
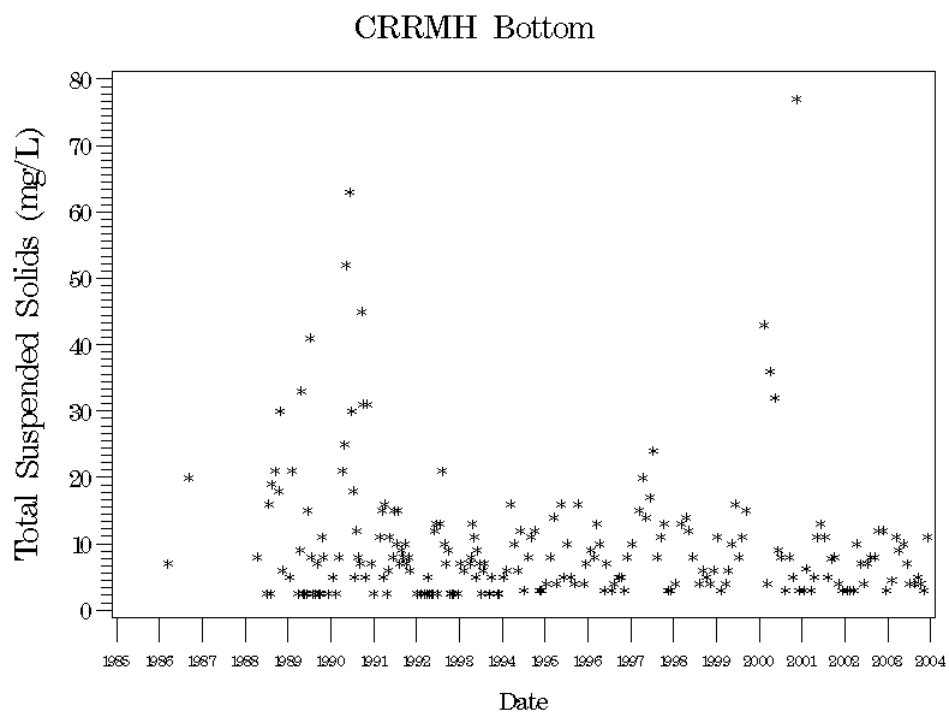


Figure 67. Scatterplots of bottom dissolved inorganic phosphorus at segment CRRMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2003) periods.



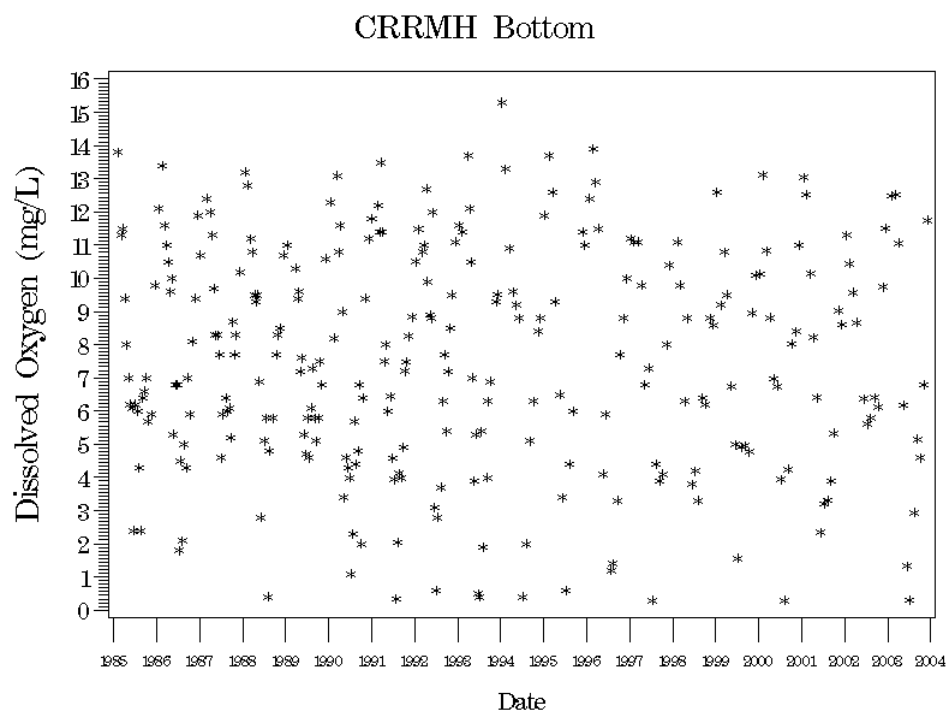


Figure 69. Scatterplot of bottom dissolved oxygen at segment CRRMH during the period 1985 to 2003.

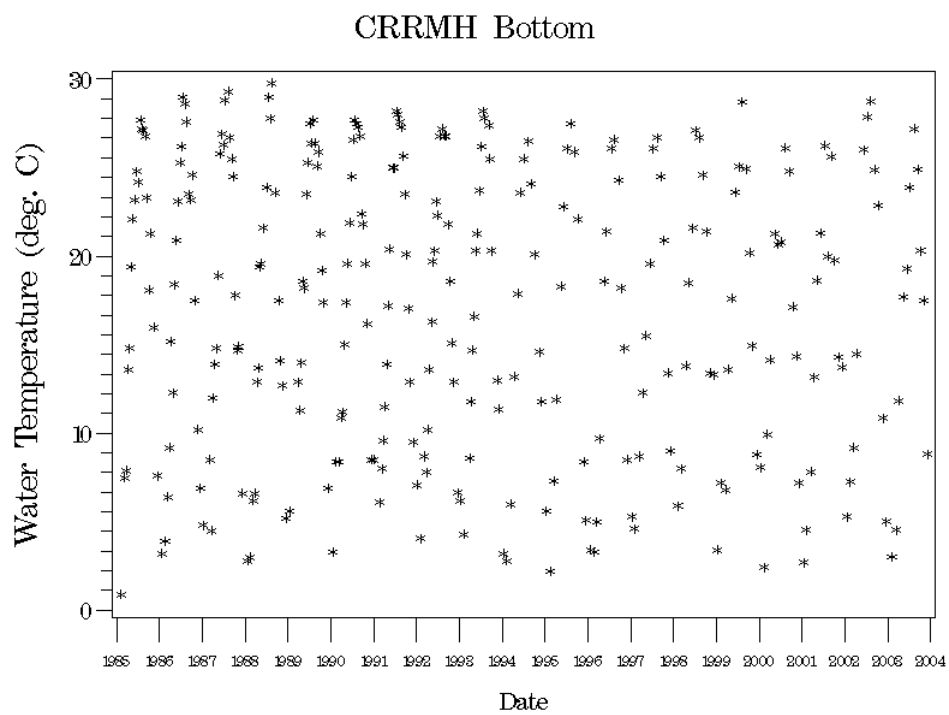


Figure 70. Scatterplot of bottom water temperature at segment CRRMH during the period 1985 to 2003.

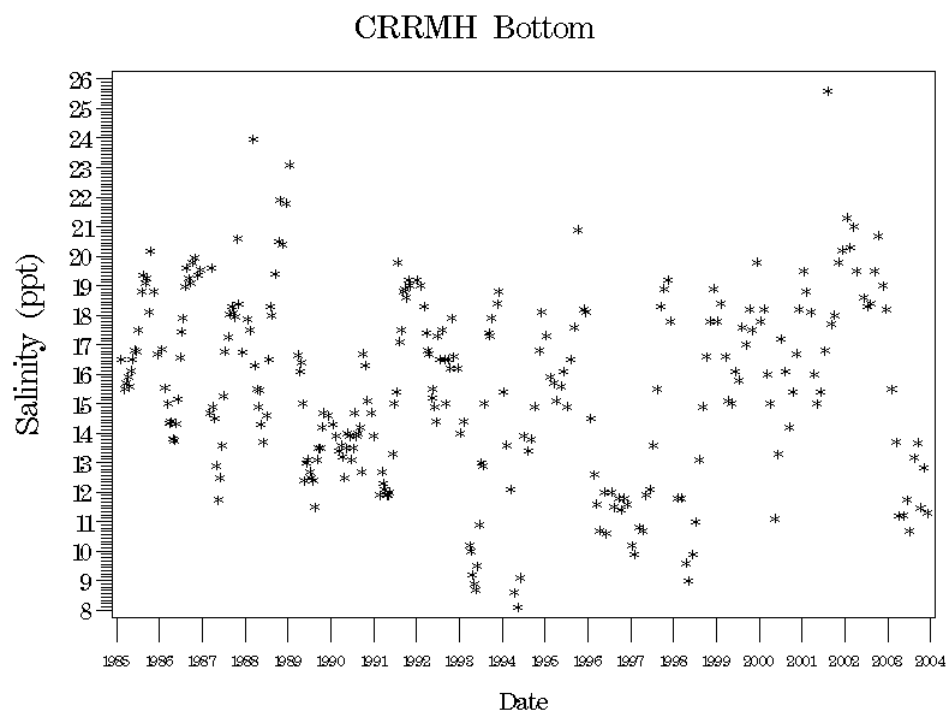


Figure 71. Scatterplot of bottom salinity at segment CRRMH during the period 1985 to 2003.