Appendix B – Scatterplots of Water Quality Parameters

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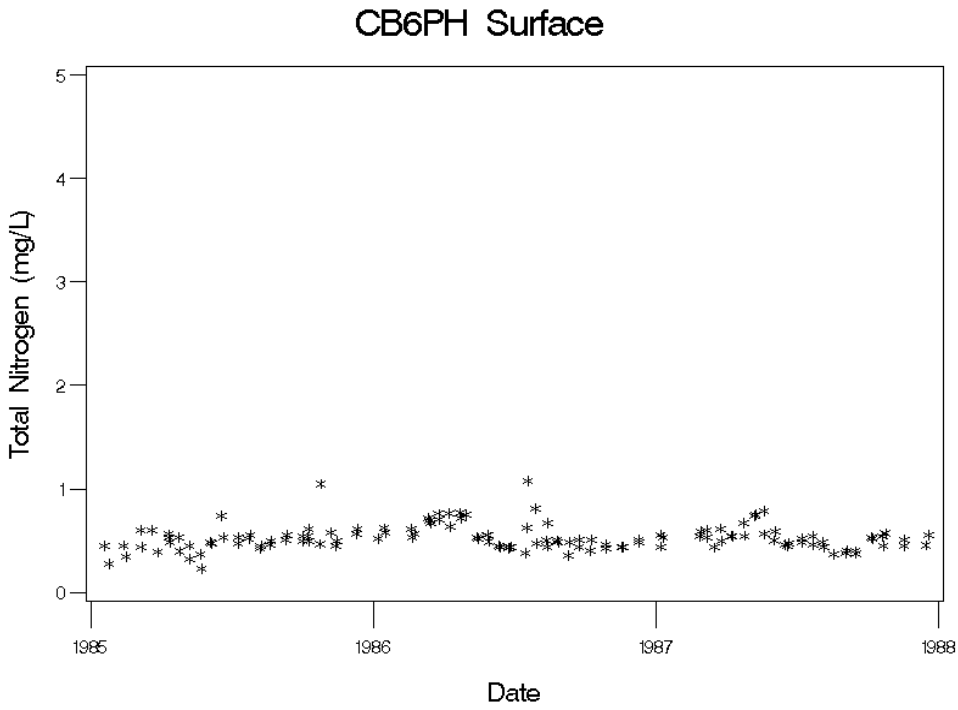

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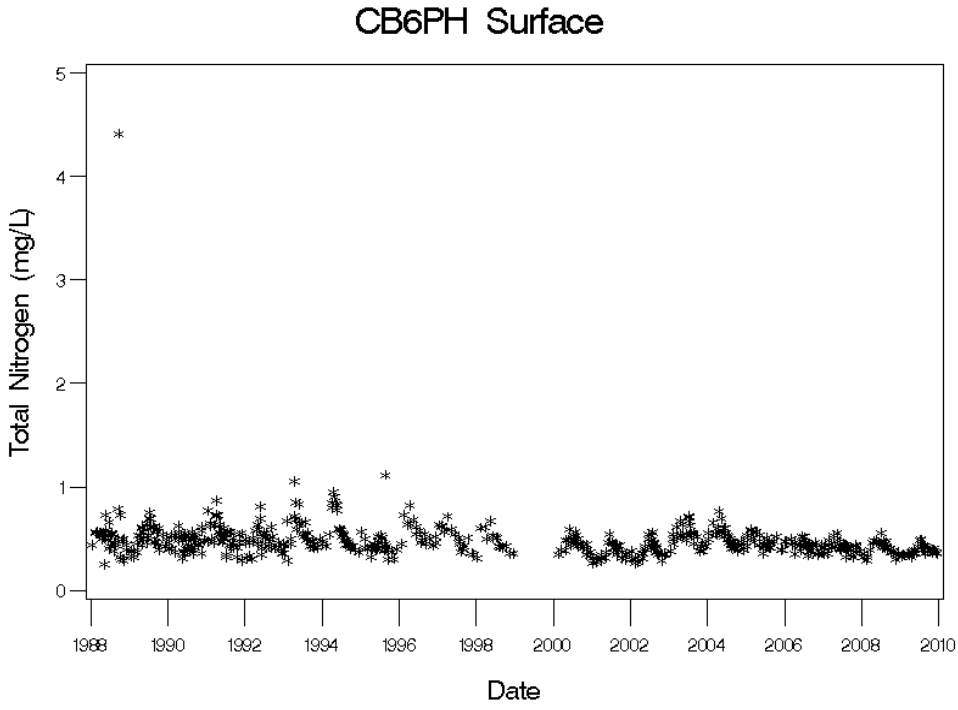

Figure 1. Scatterplots of surface total nitrogen at segment CB6PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

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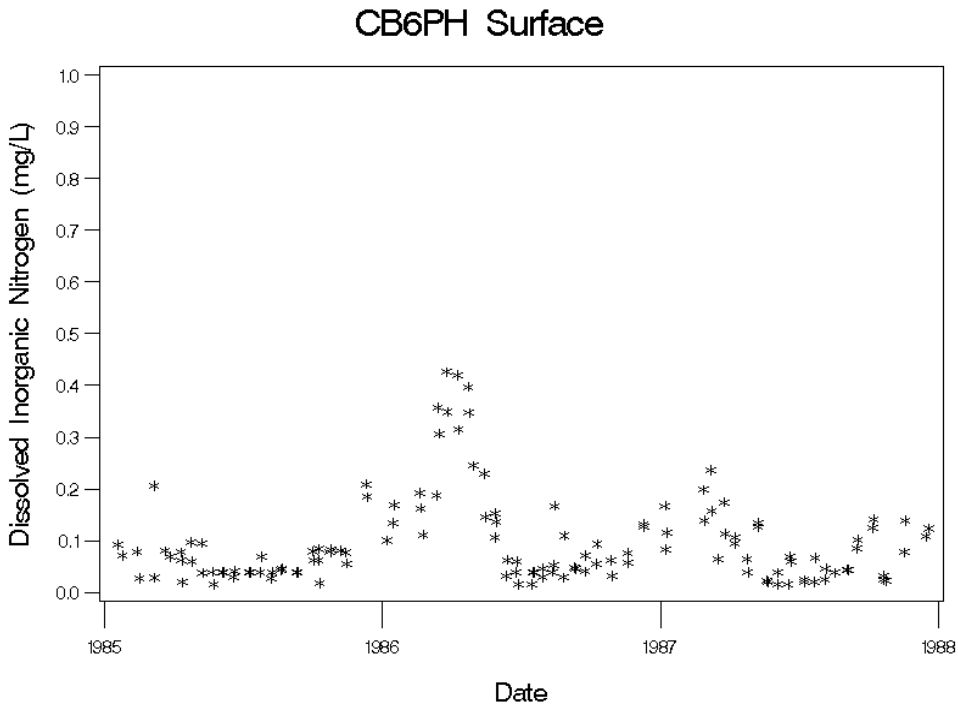

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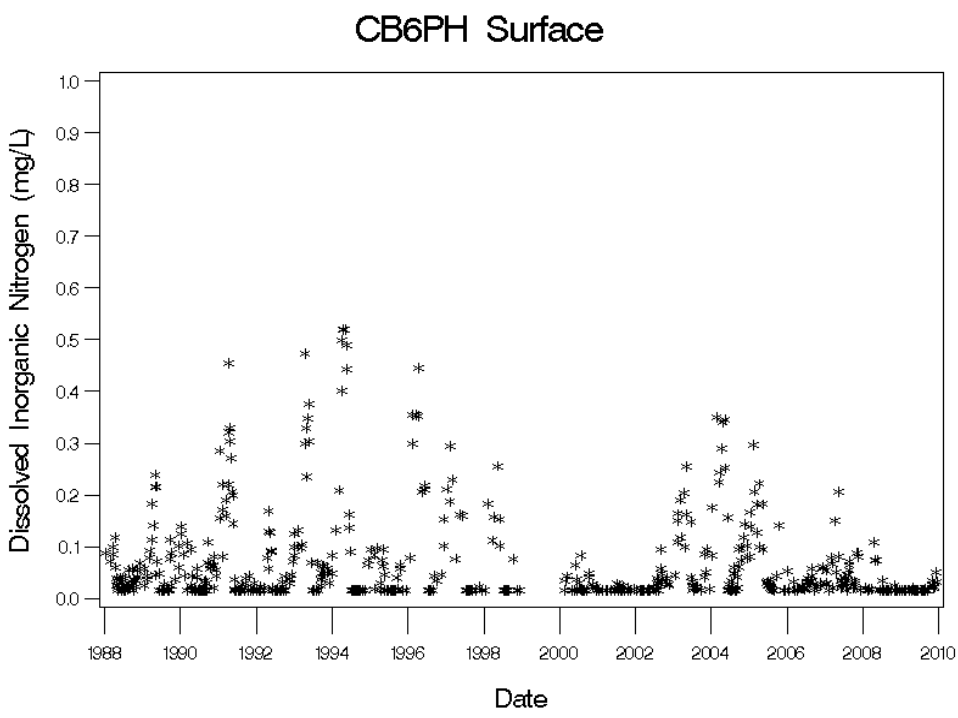

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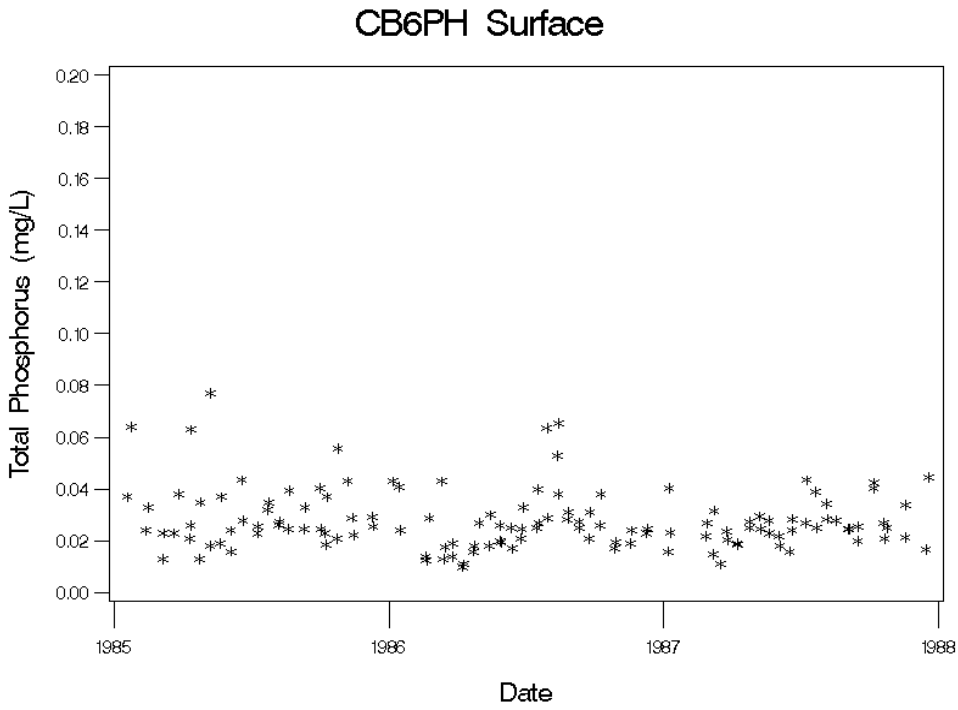

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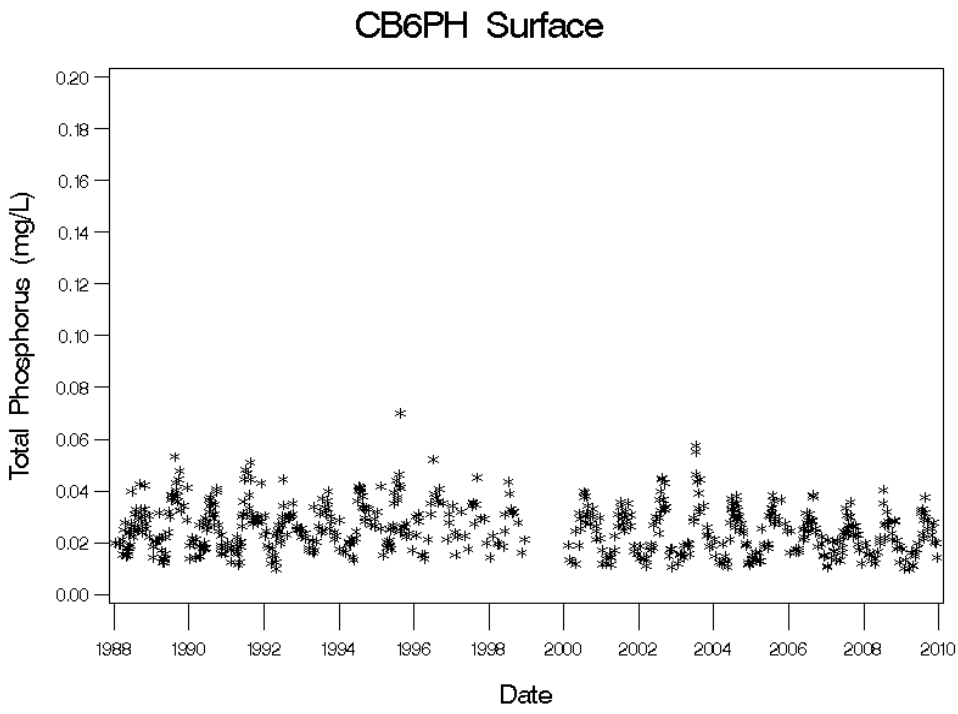

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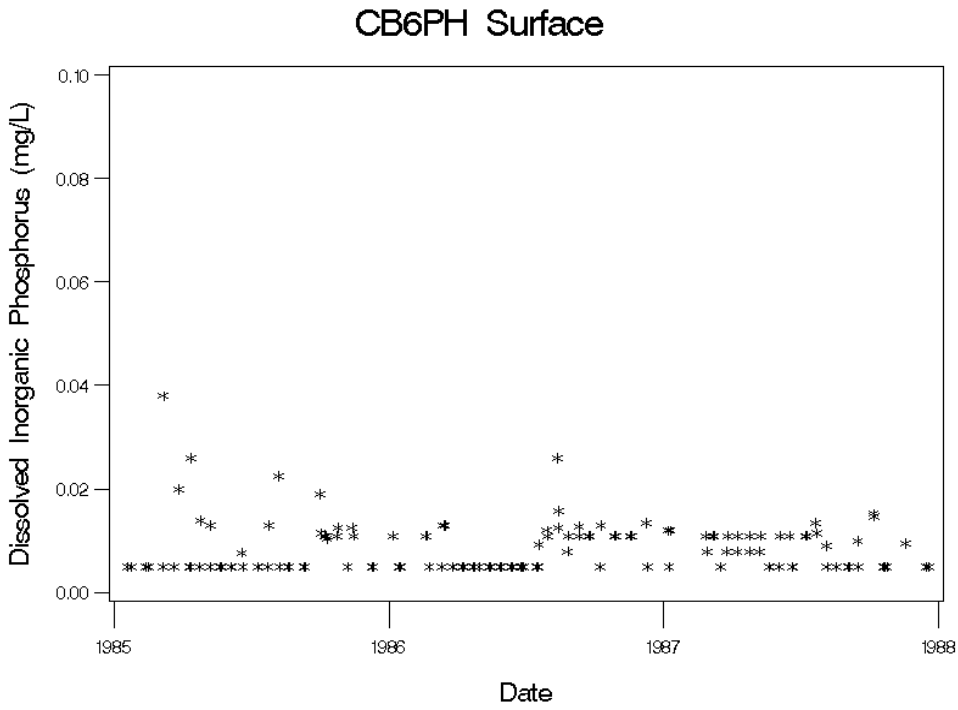
a) Pre-method change period



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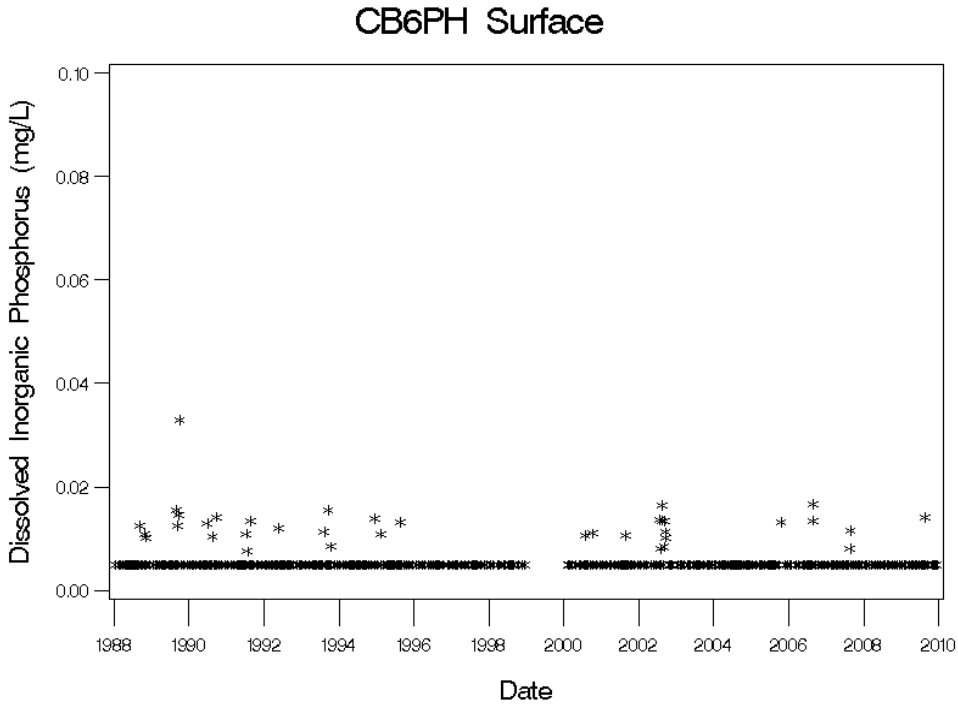

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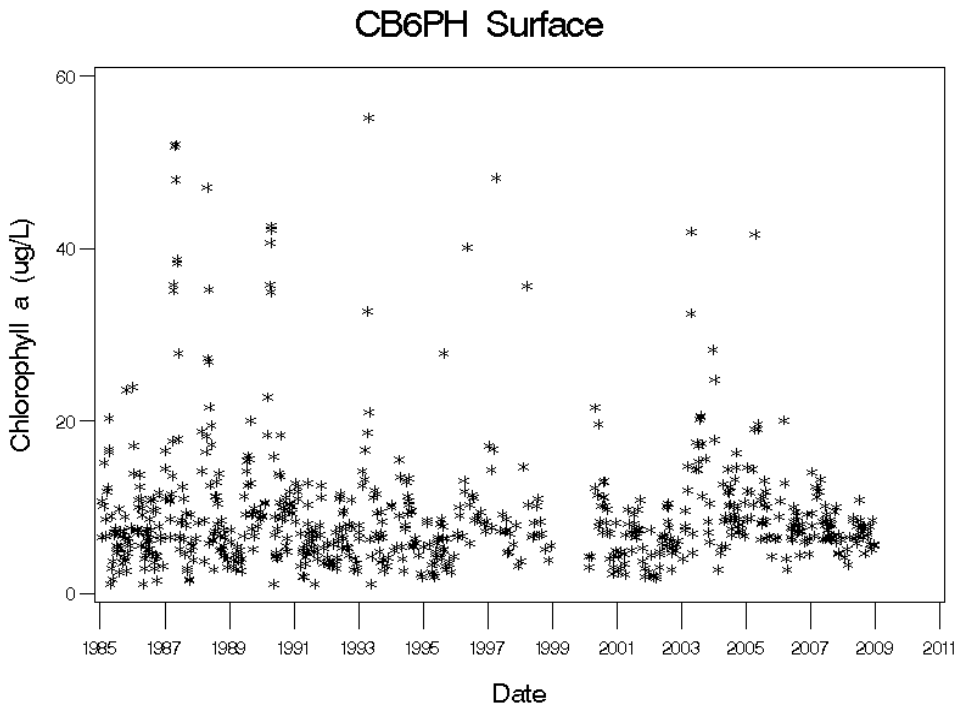

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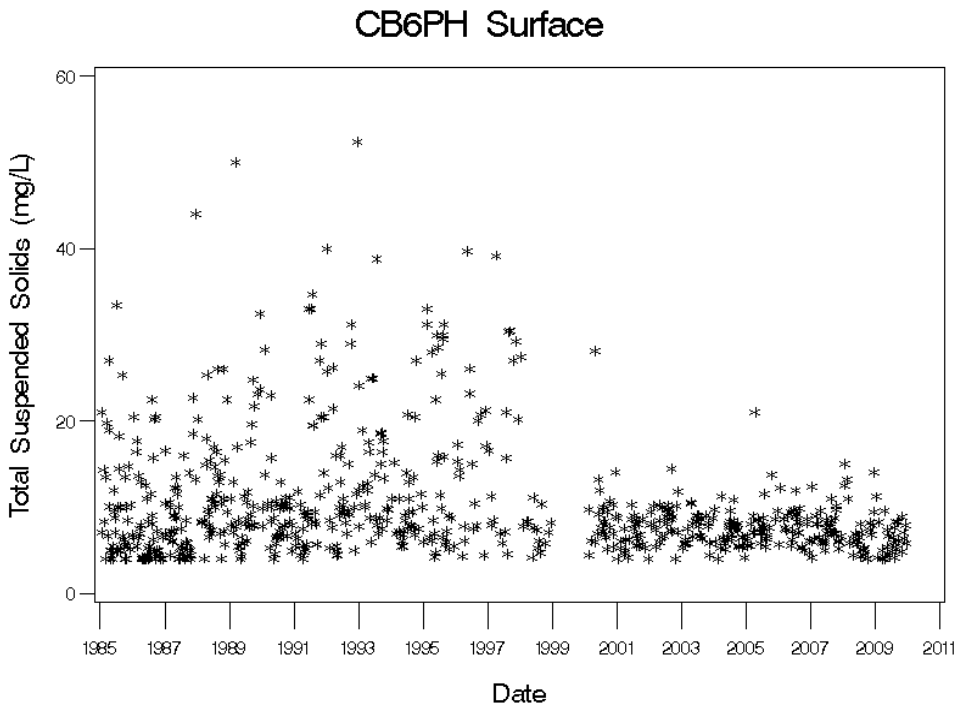

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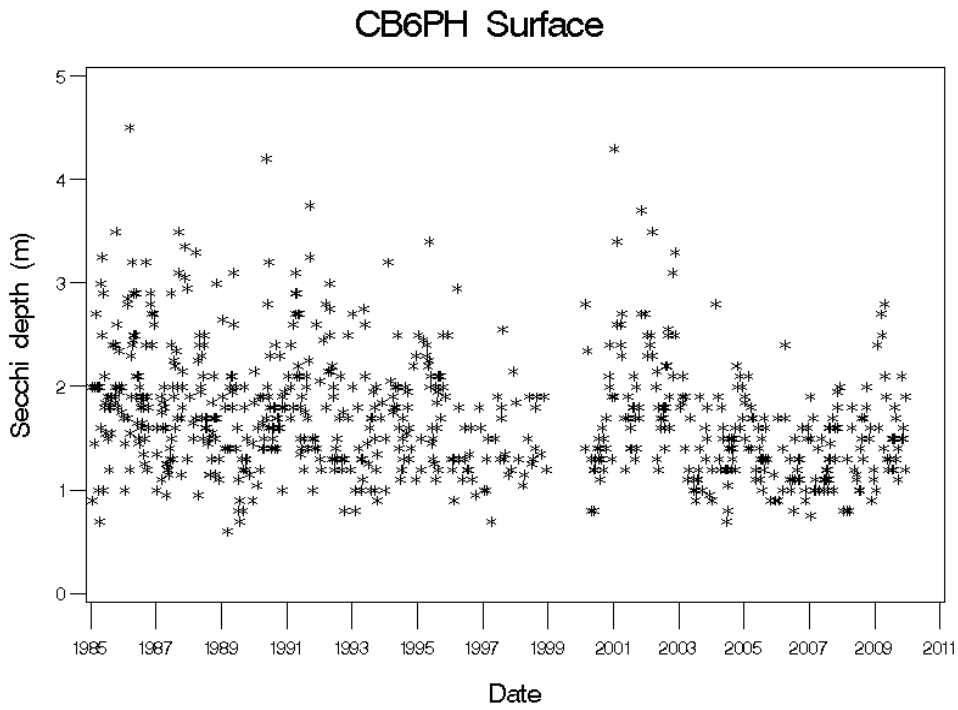

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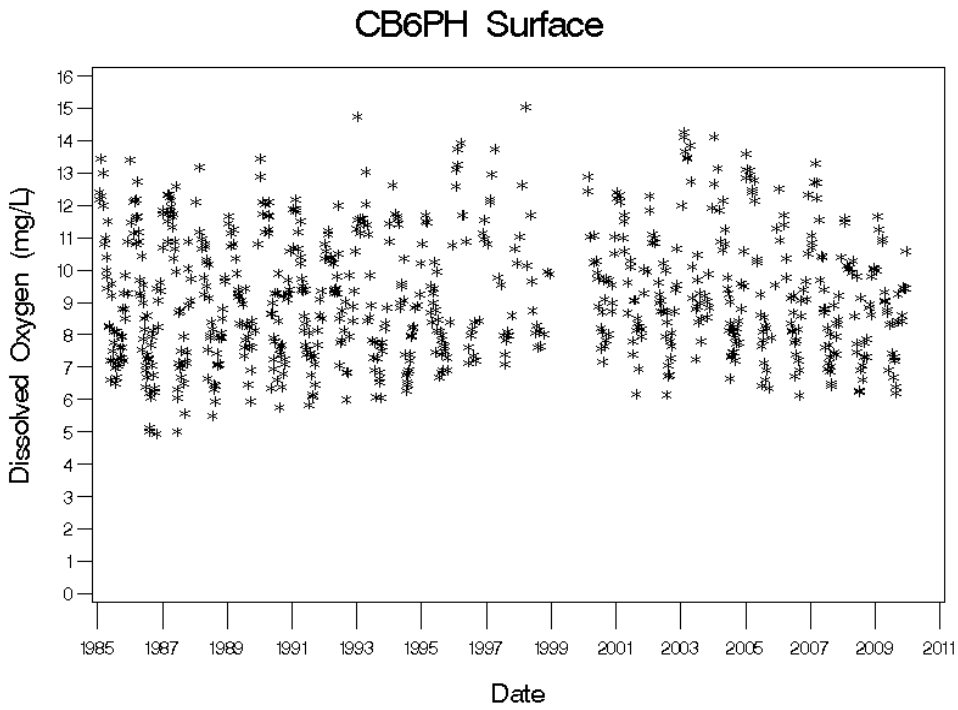

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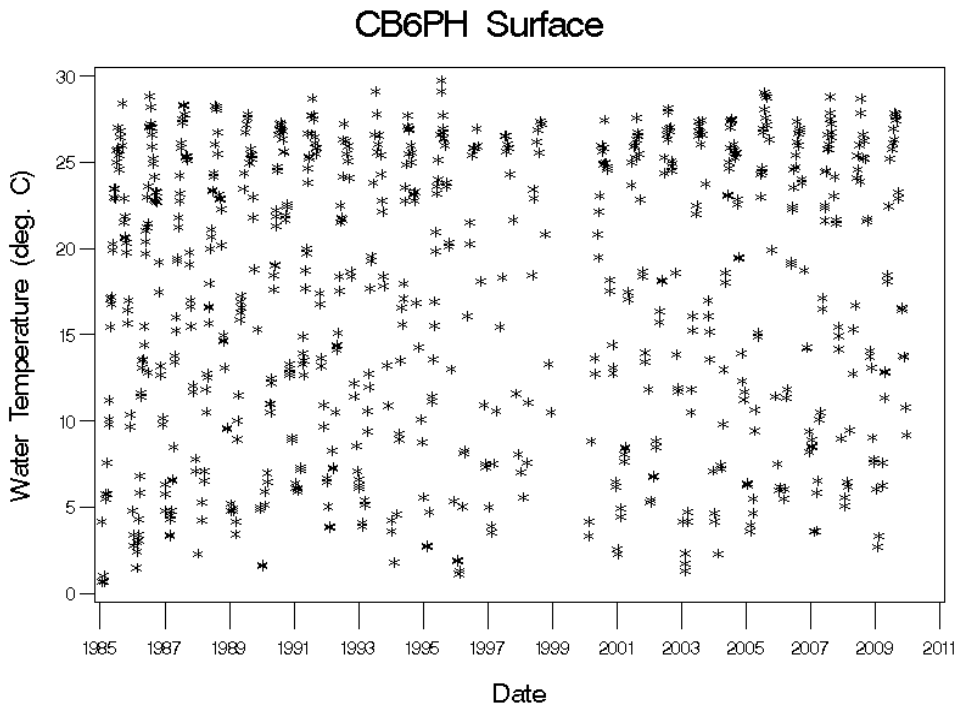

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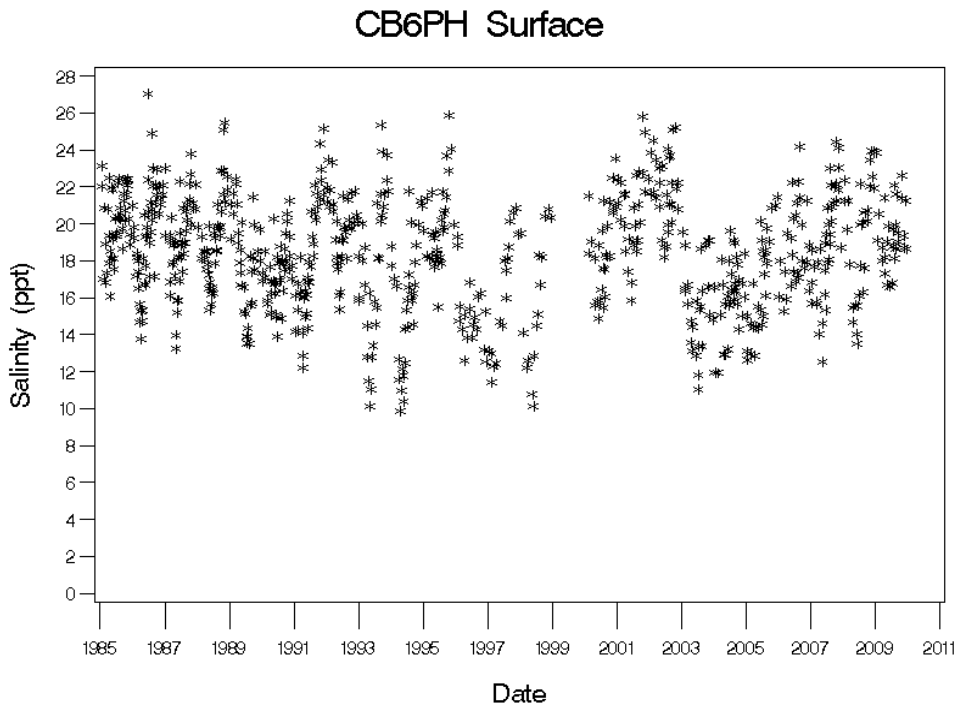

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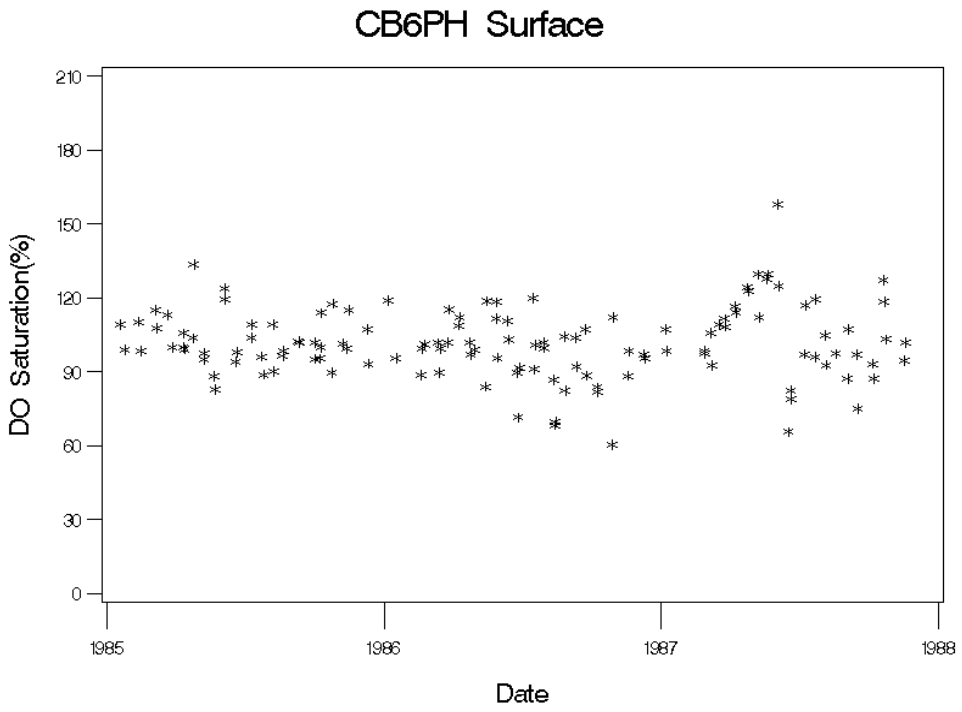

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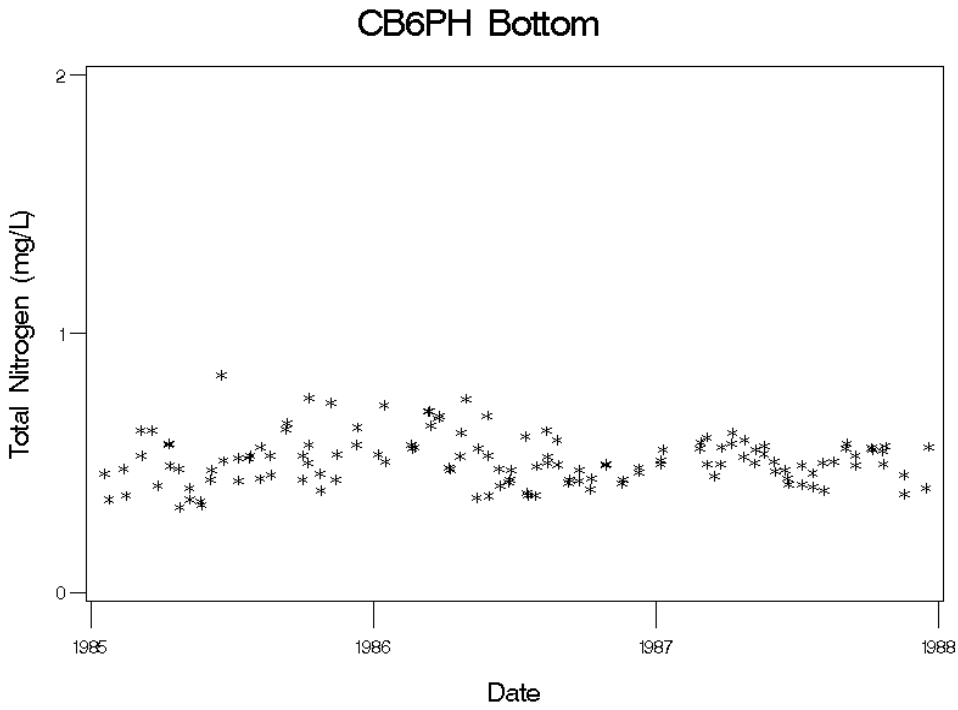
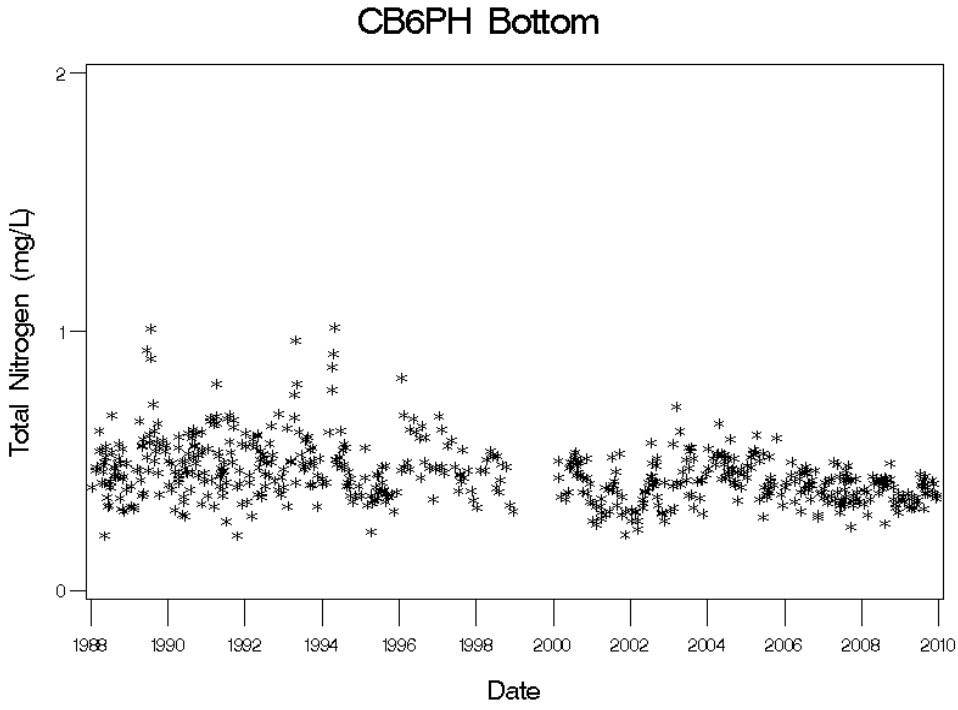


b) Post-method change period



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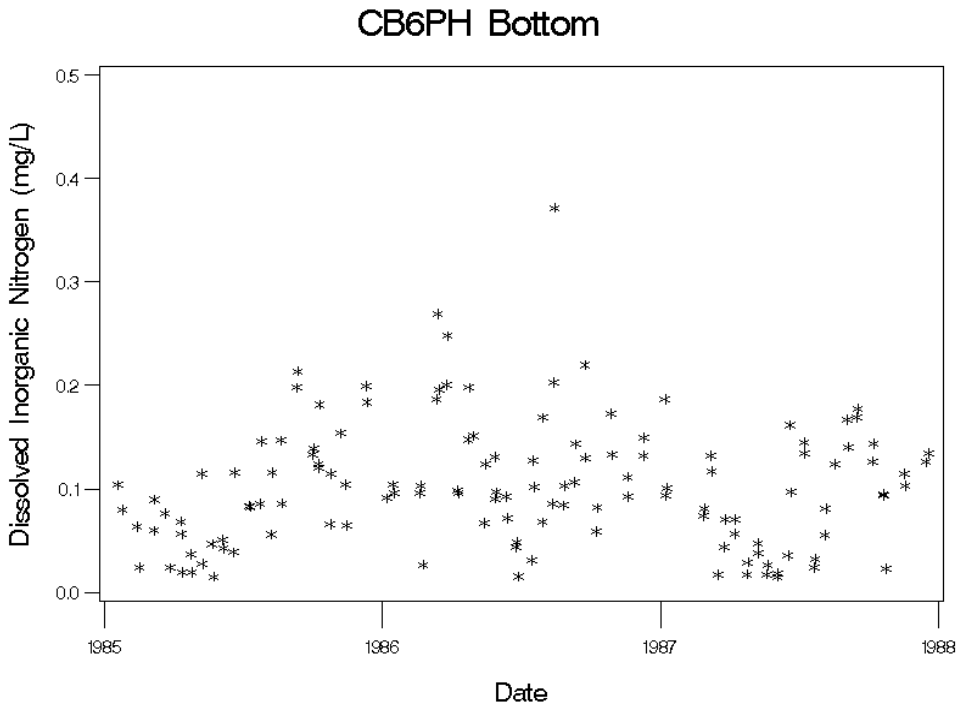
a) Pre-method change period



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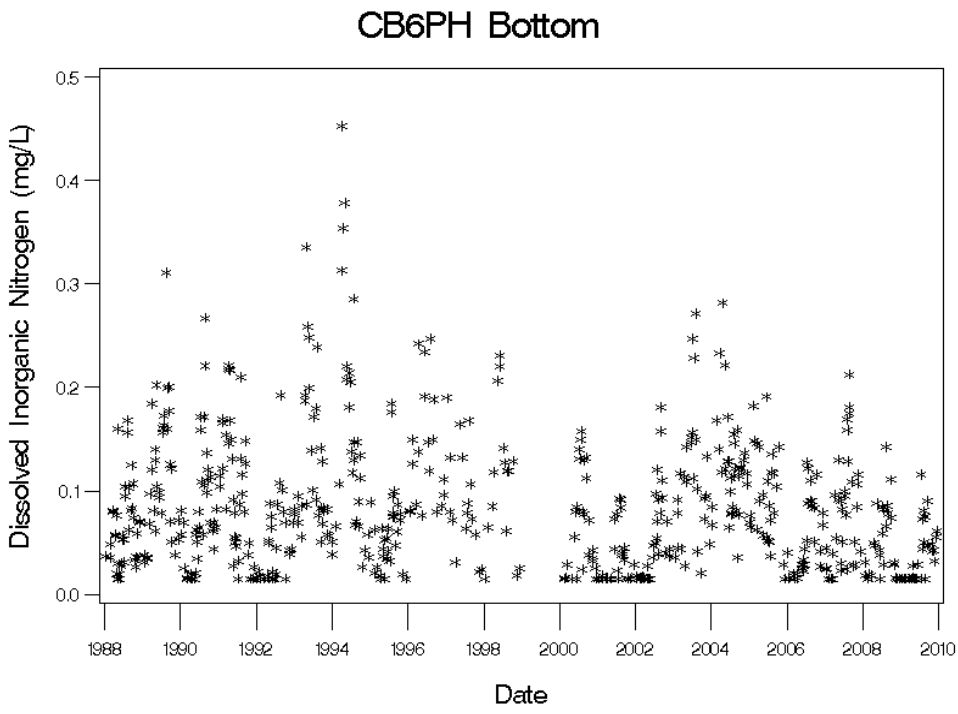

Figure 13. Scatterplots of bottom dissolved inorganic nitrogen at segment CB6PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

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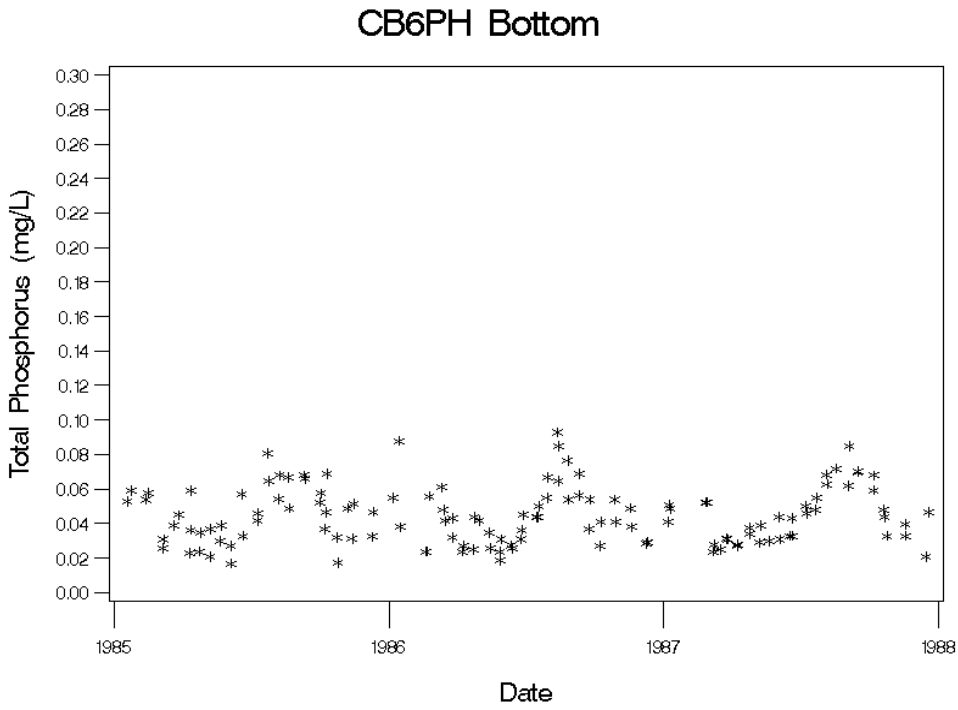


b) Post-method change period

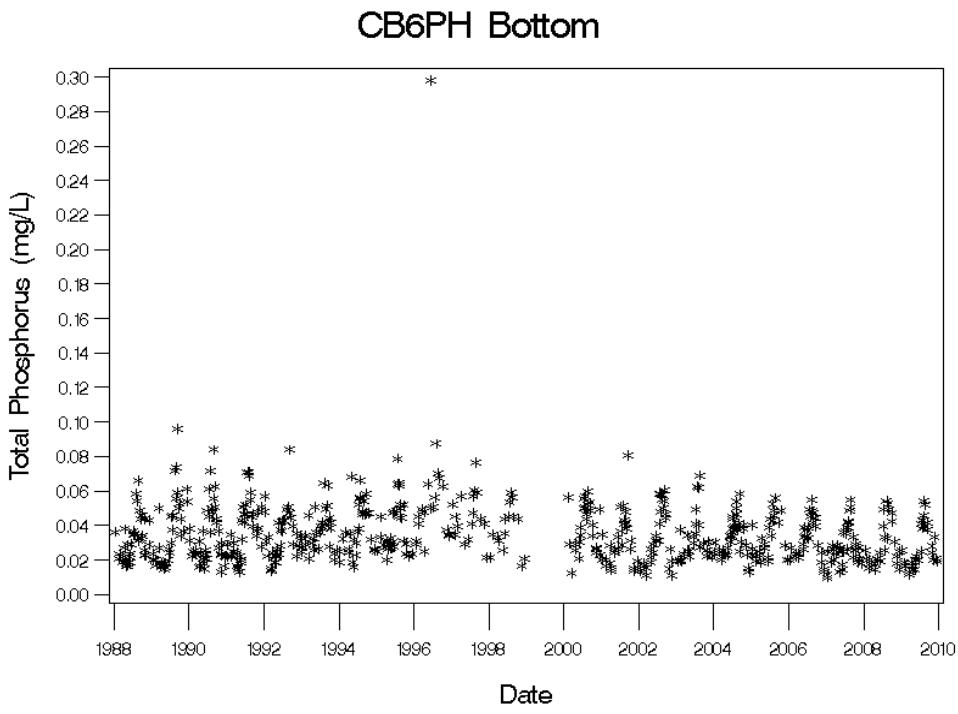
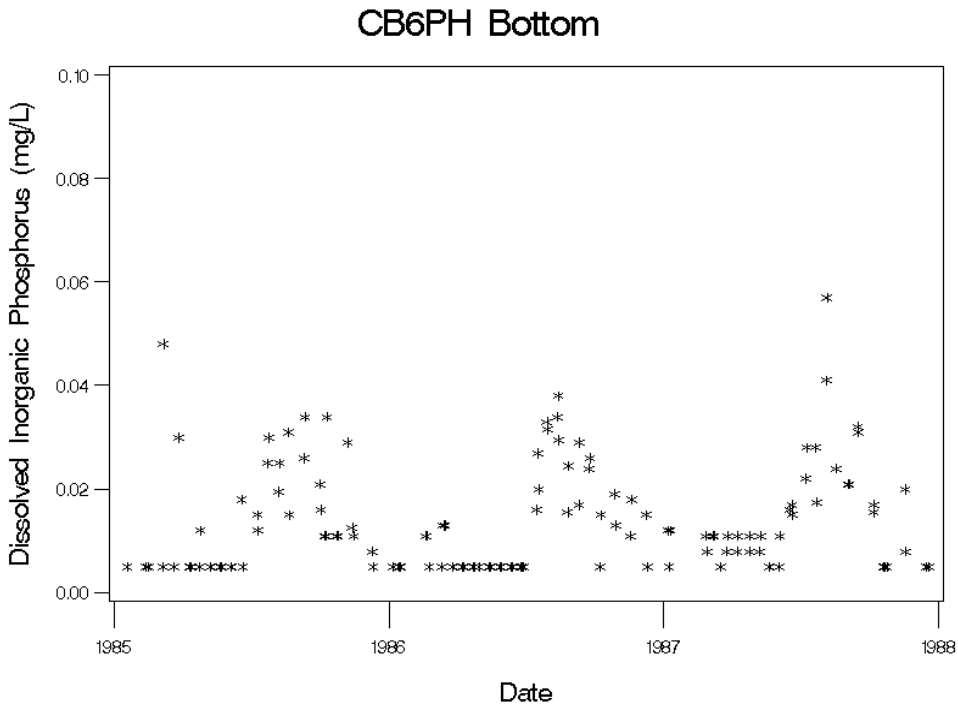
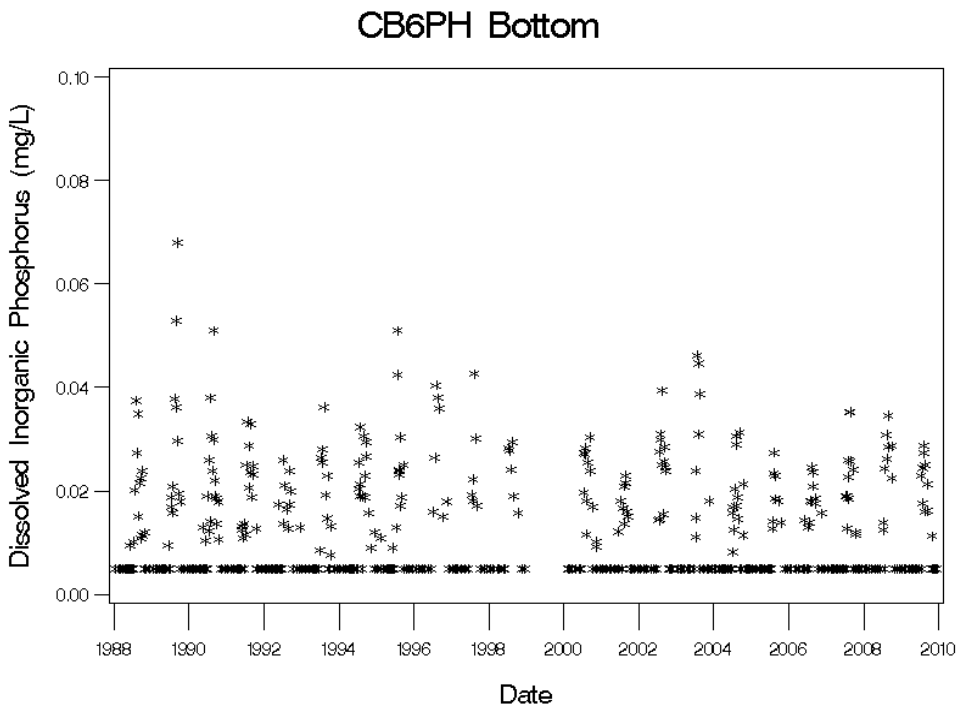


Figure 14. Scatterplots of bottom total phosphorus at segment CB6PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period



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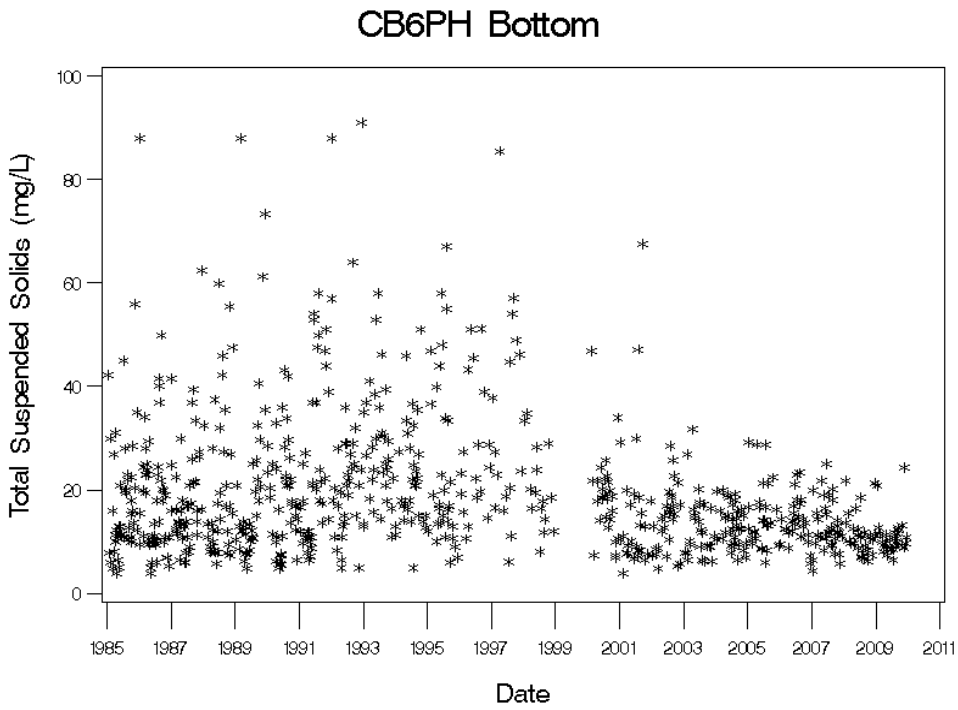

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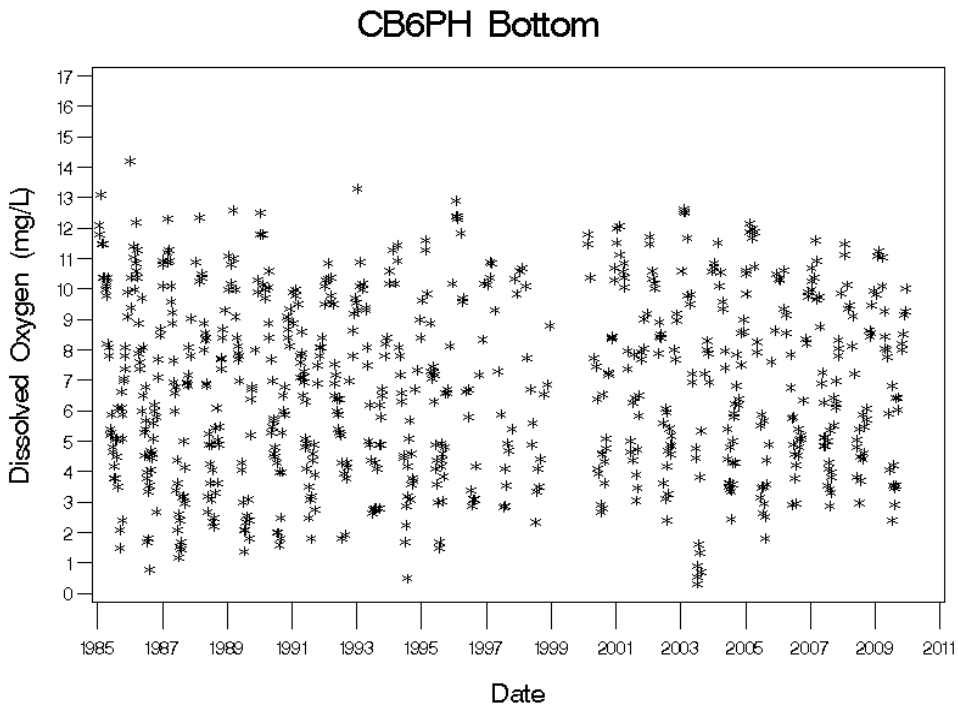

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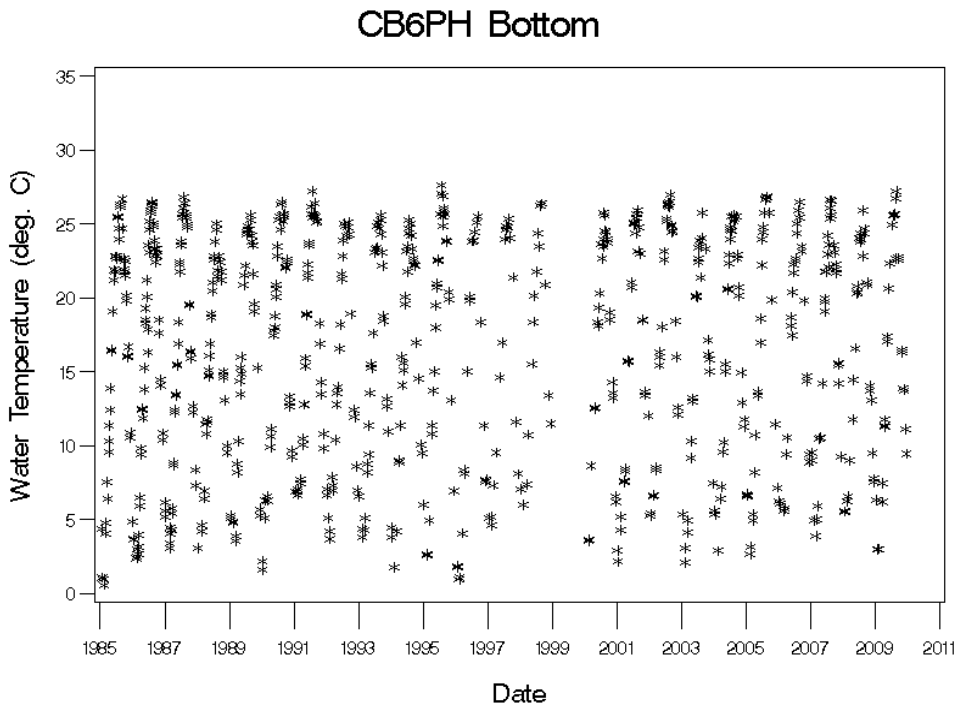

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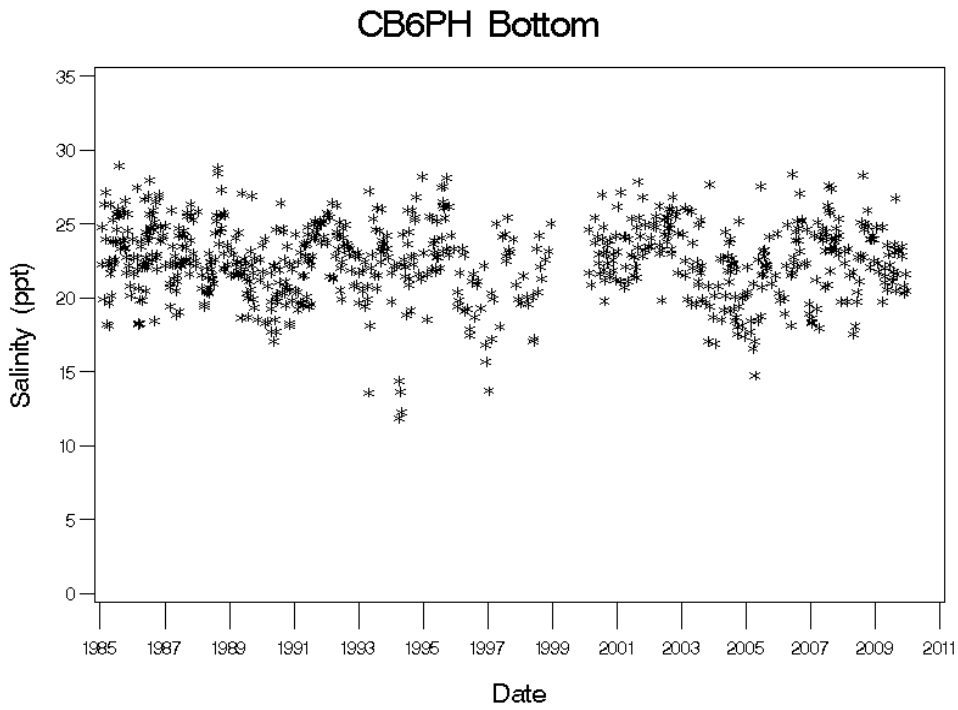

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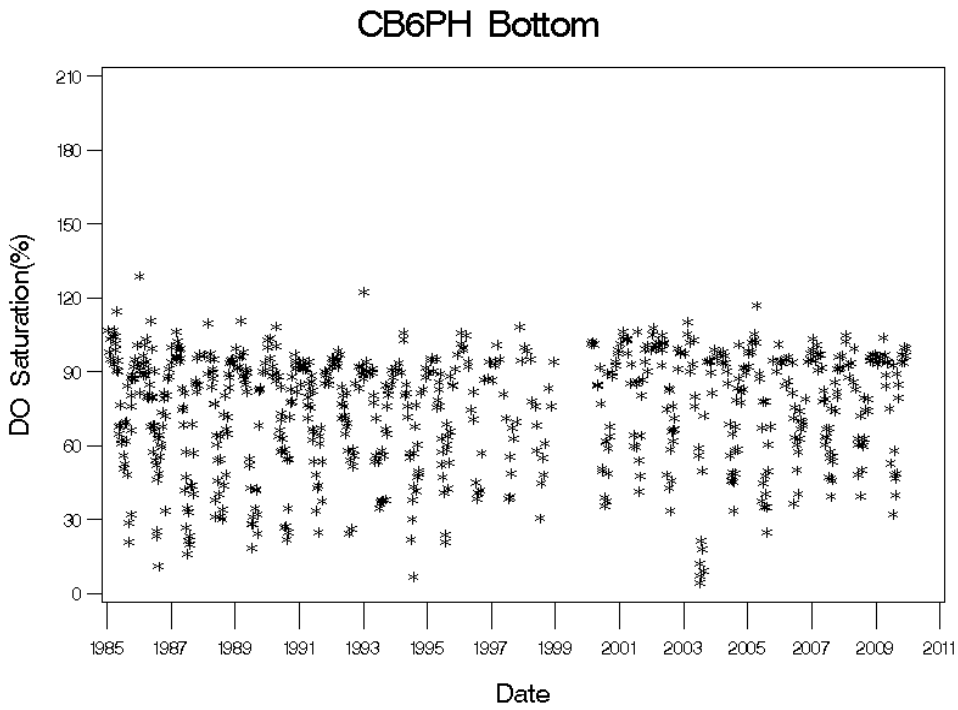

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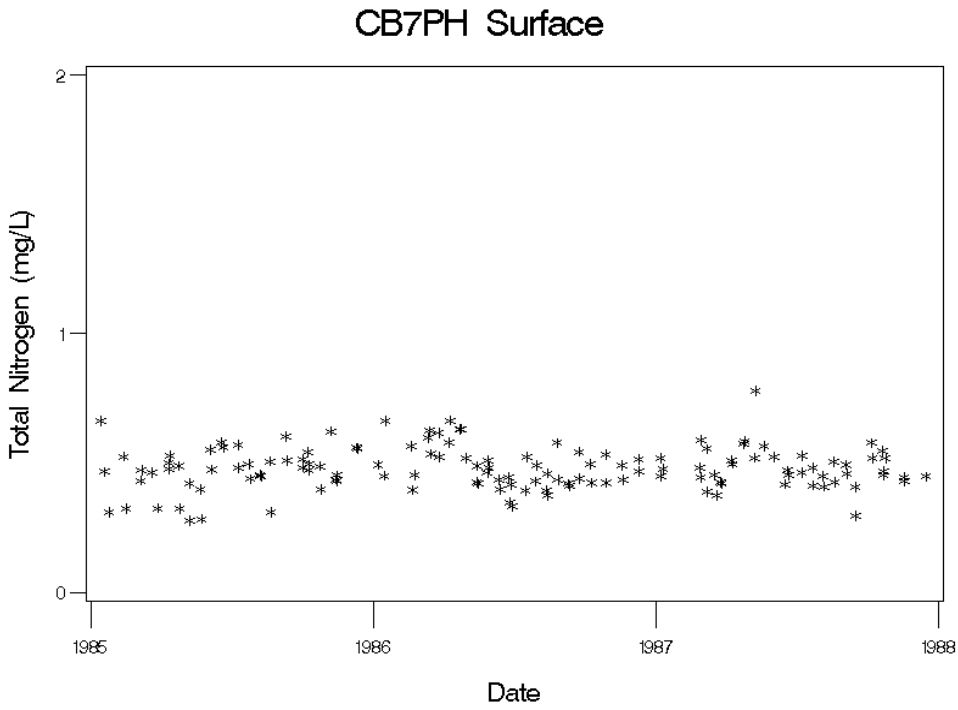
a) Pre-method change period



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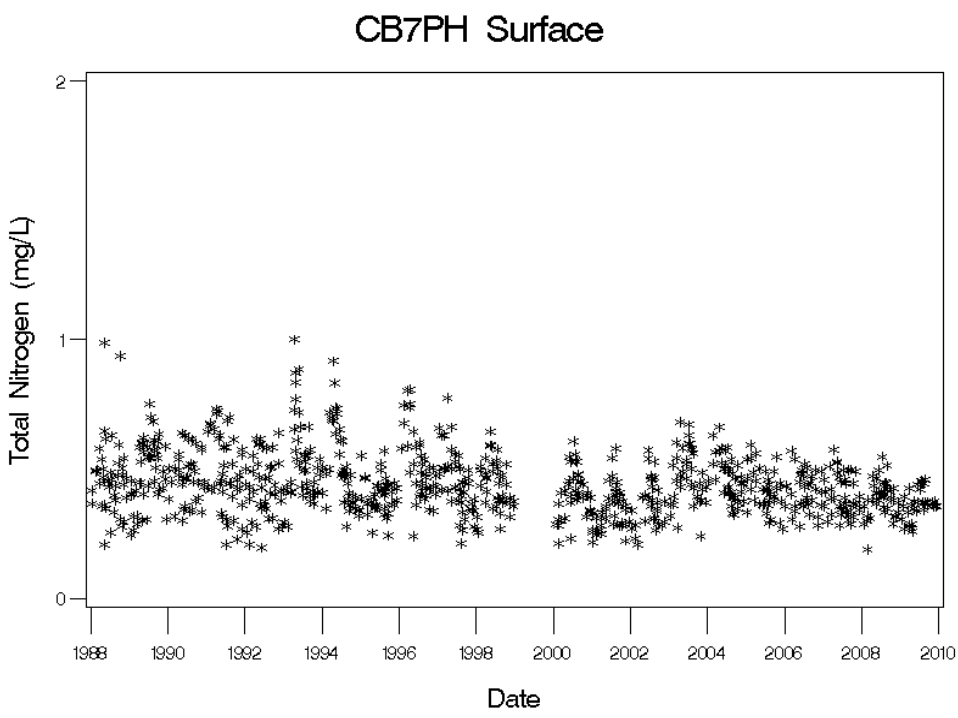
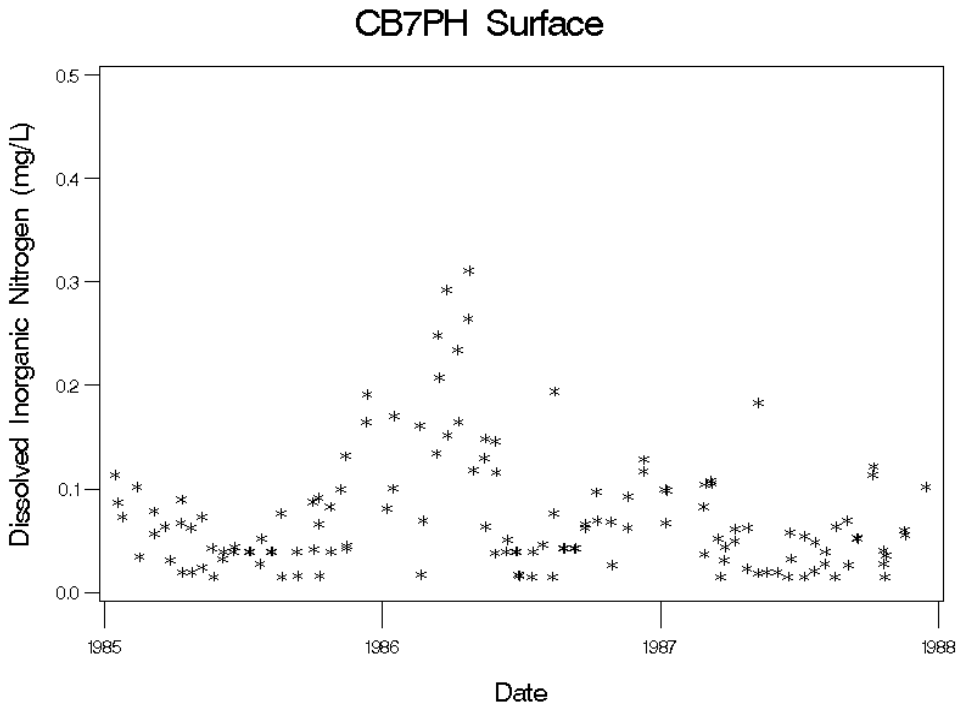


Figure 21. Scatterplots of surface total nitrogen at segment CB7PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

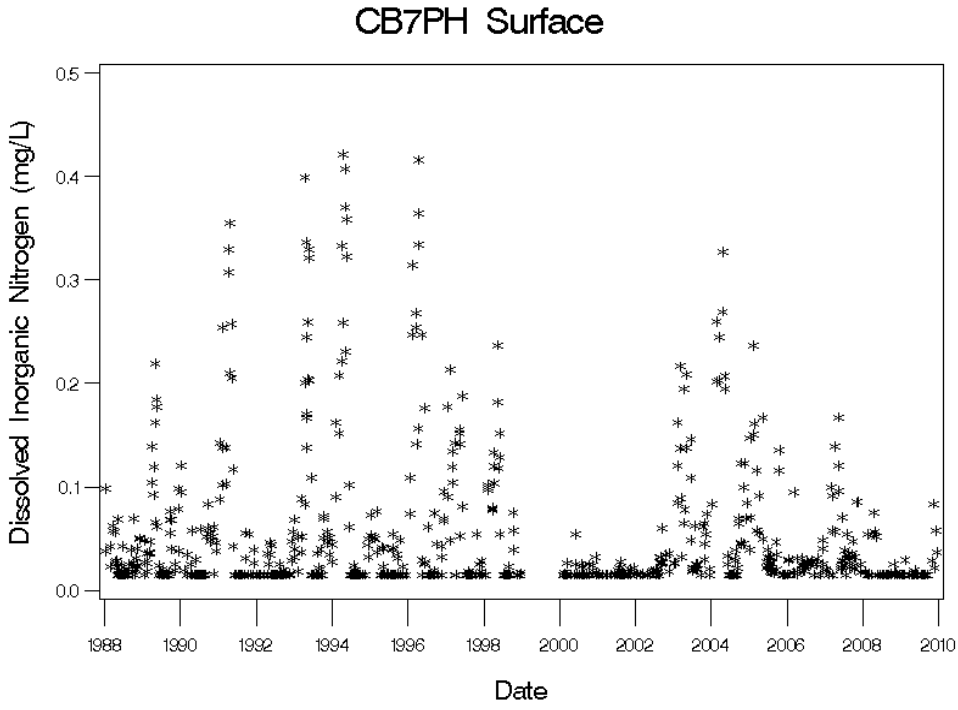
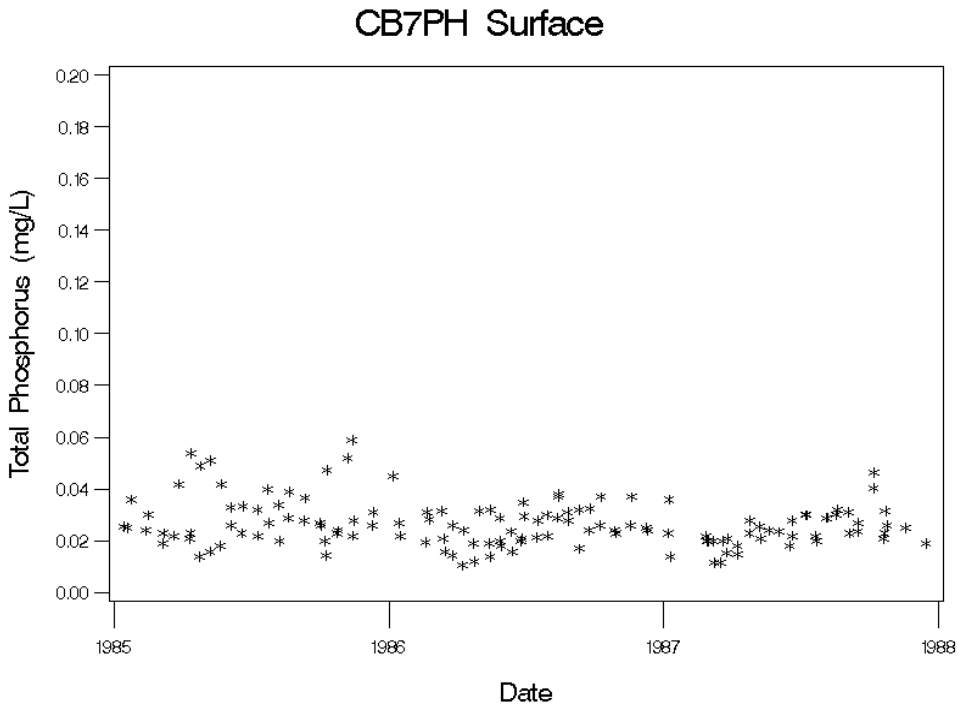


Figure 22. Scatterplots of surface dissolved inorganic nitrogen at segment CB7PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

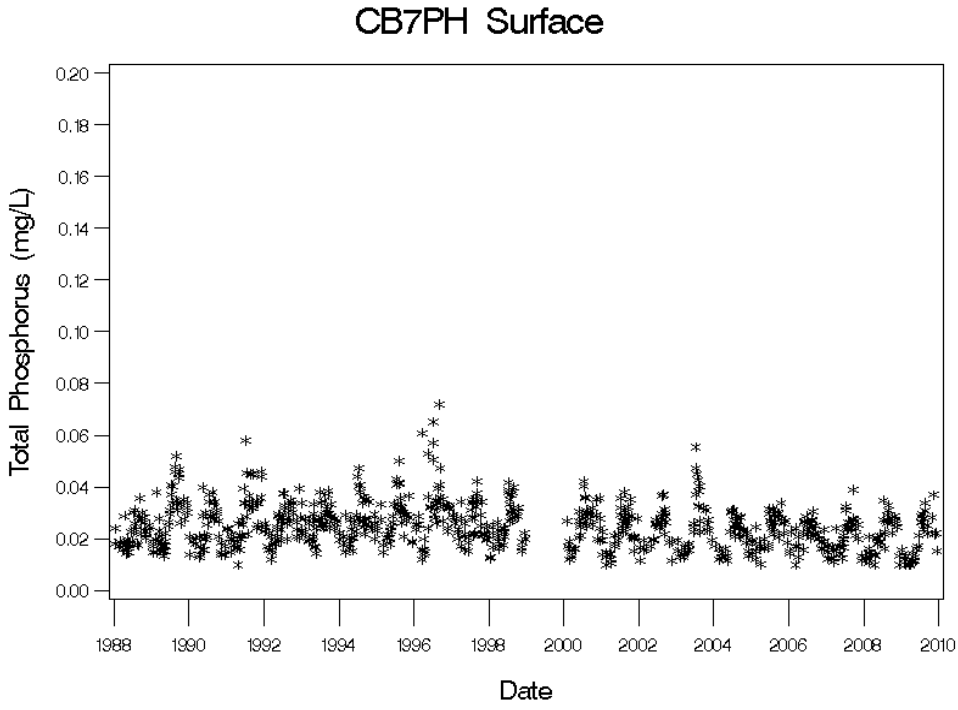
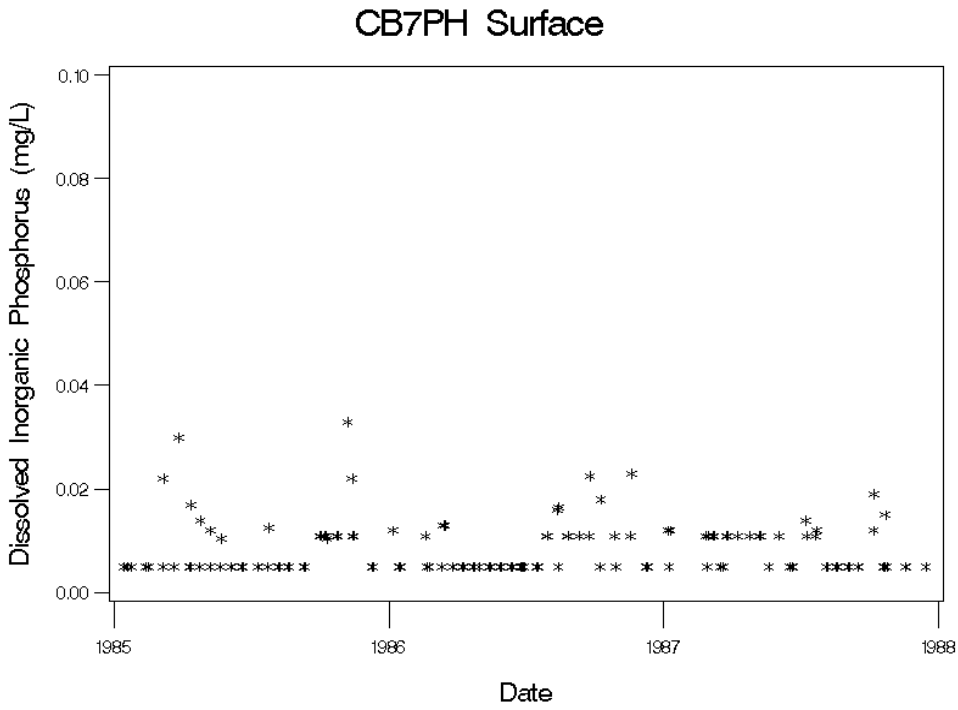


Figure 23. Scatterplots of surface total phosphorus at segment CB7PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

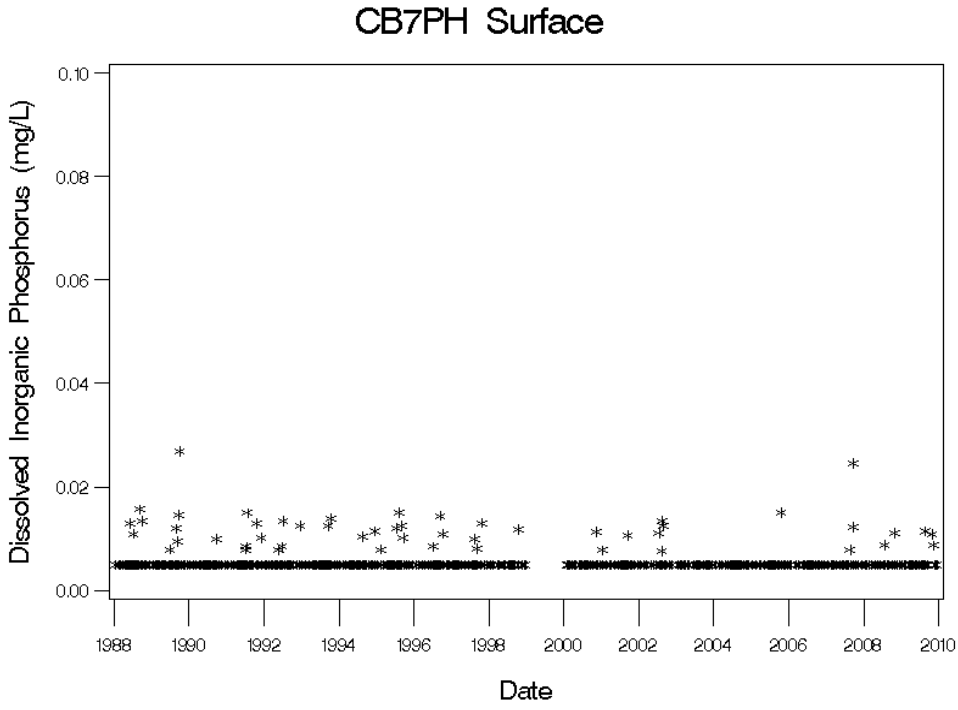


Figure 24. Scatterplots of surface dissolved inorganic phosphorus at segment CB7PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

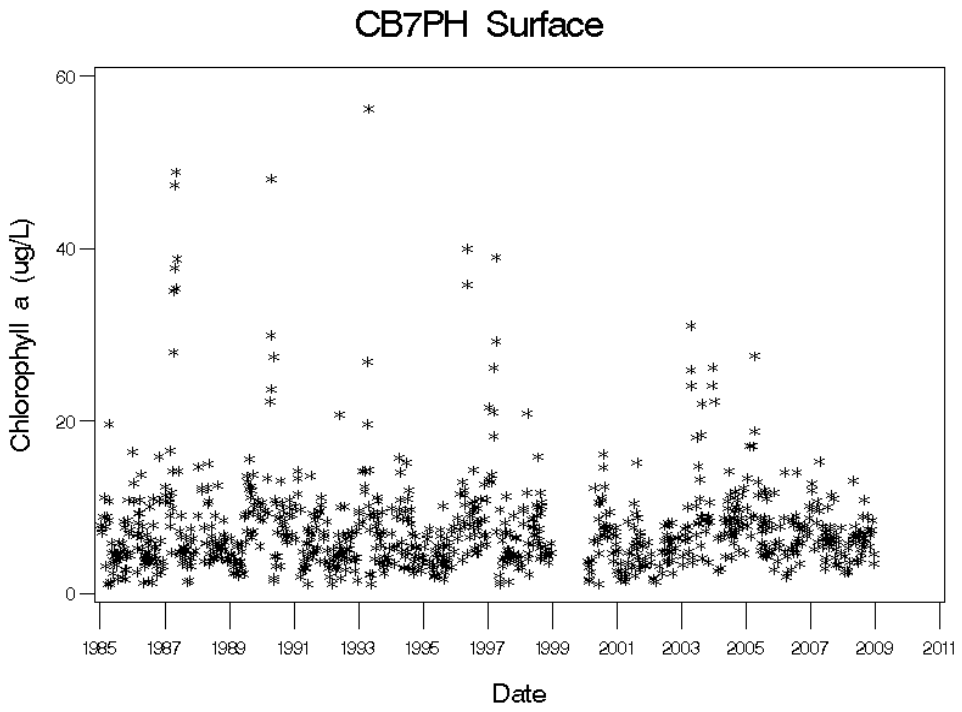


Figure 25. Scatterplot of surface chlorphyll a at segment CB7PH during the period 1985 to 2009.

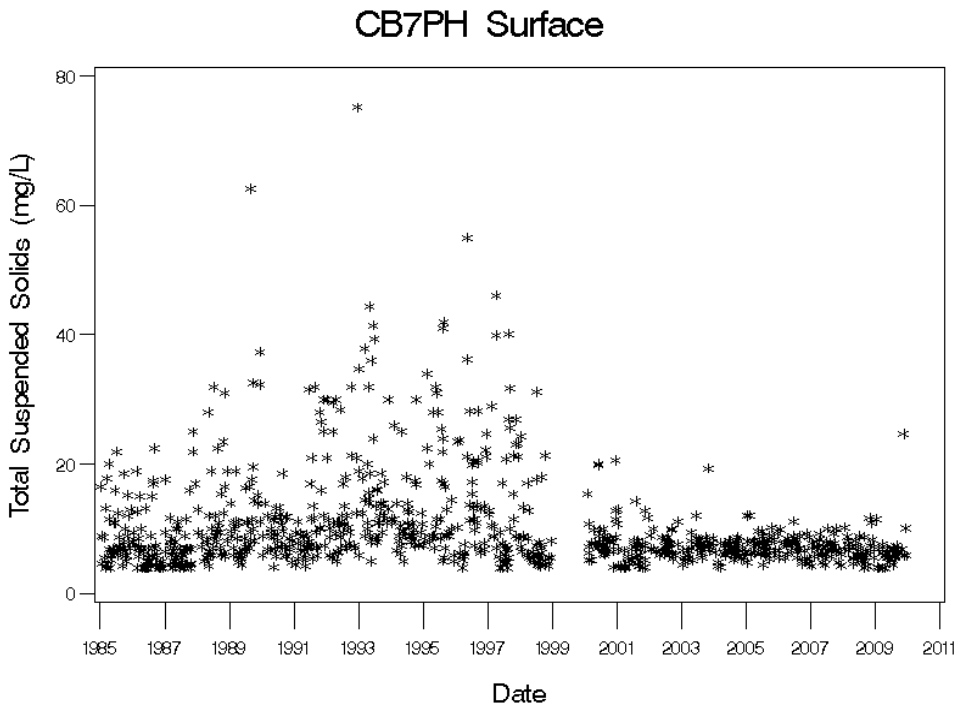


Figure 26. Scatterplot of surface total suspended solids at segment CB7PH during the period 1985 to 2009.

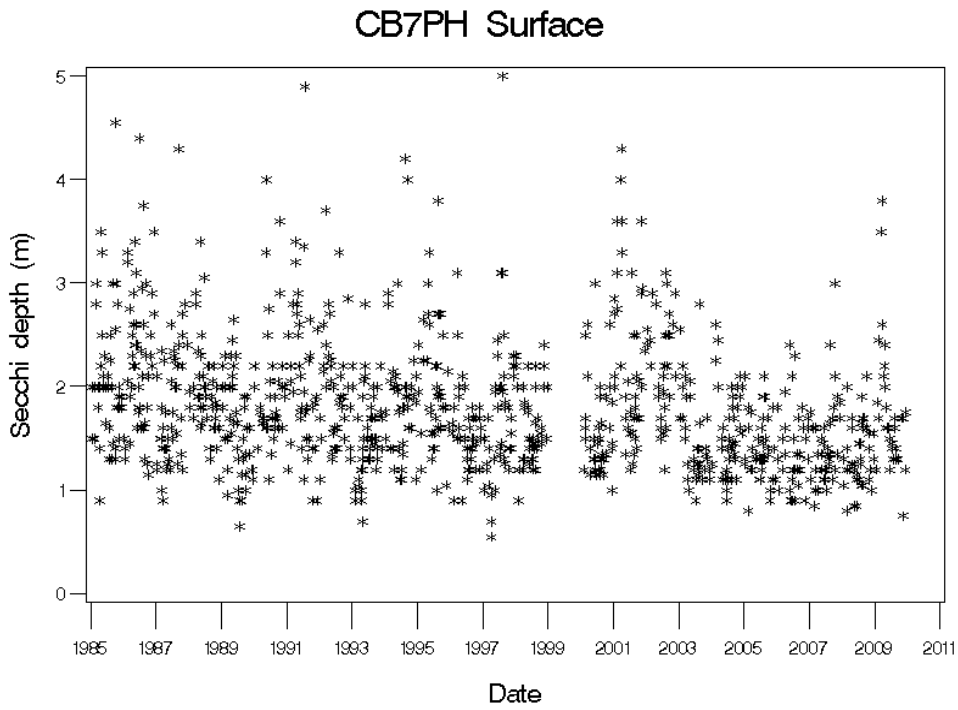


Figure 27. Scatterplot of secchi depth at segment CB7PH during the period 1985 to 2009.

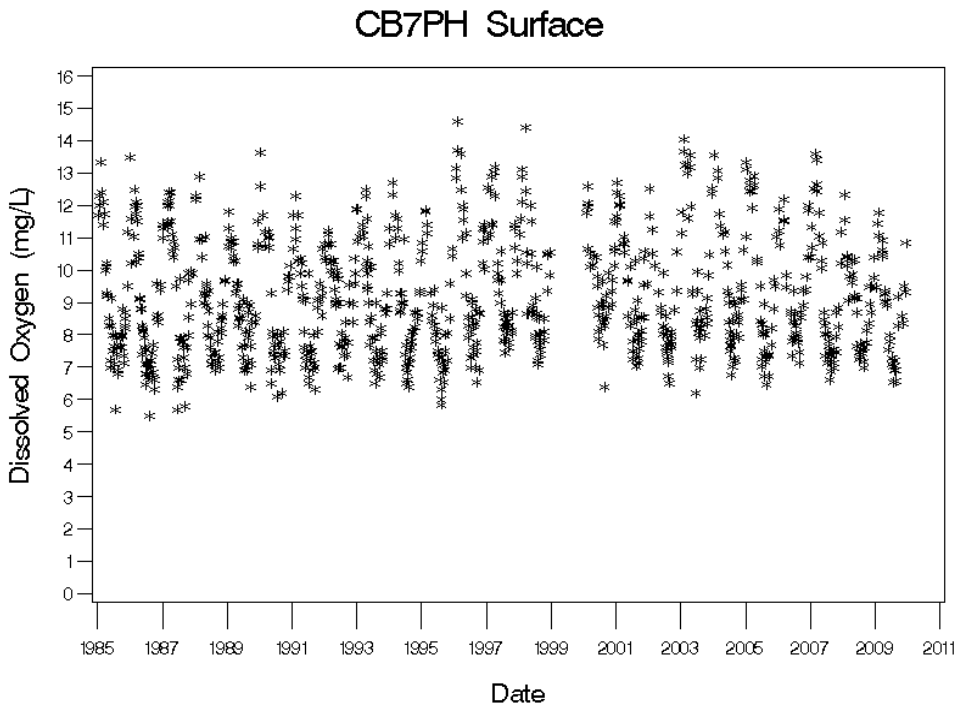


Figure 28. Scatterplot of surface dissolved oxygen at segment CB7PH during the period 1985 to 2009.

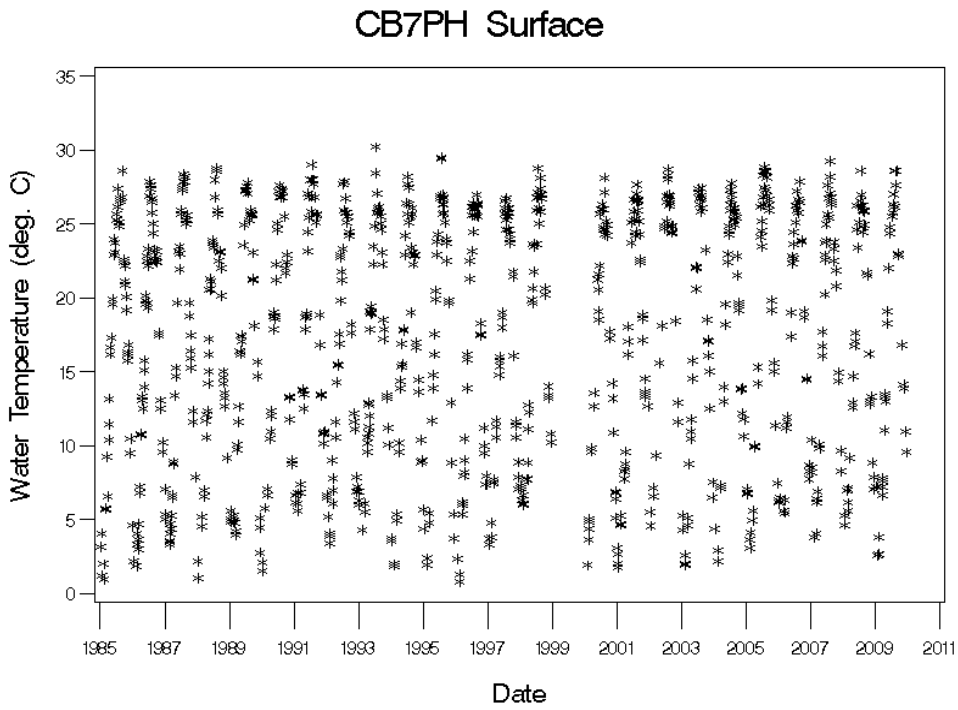


Figure 29. Scatterplot of surface water temperature at segment CB7PH during the period 1985 to 2009.

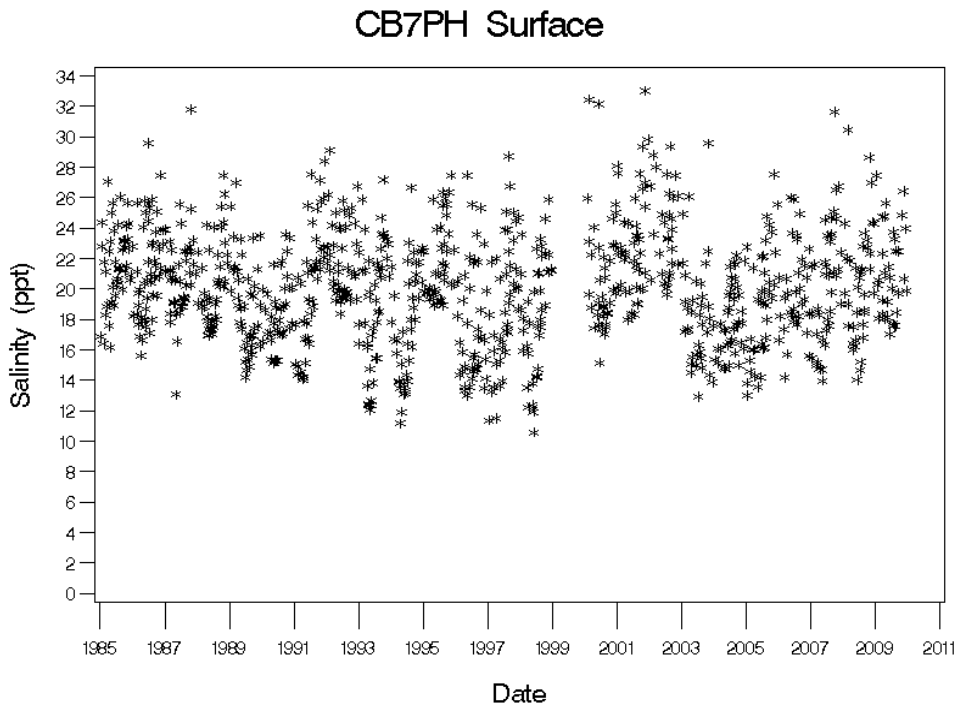


Figure 30. Scatterplot of surface salinity at segment CB7PH during the period 1985 to 2009.

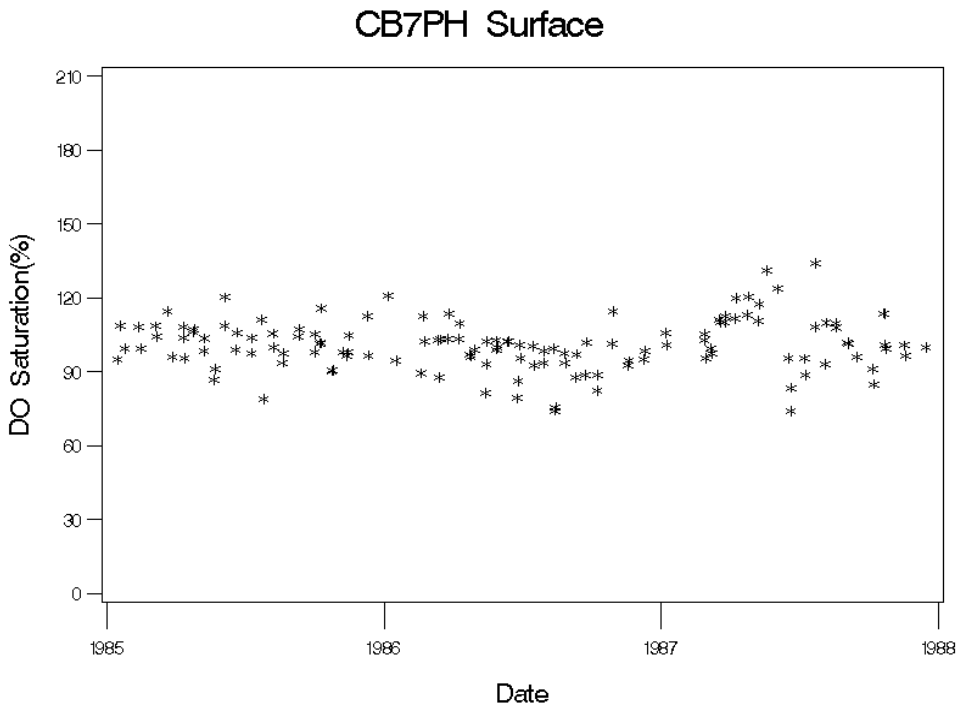
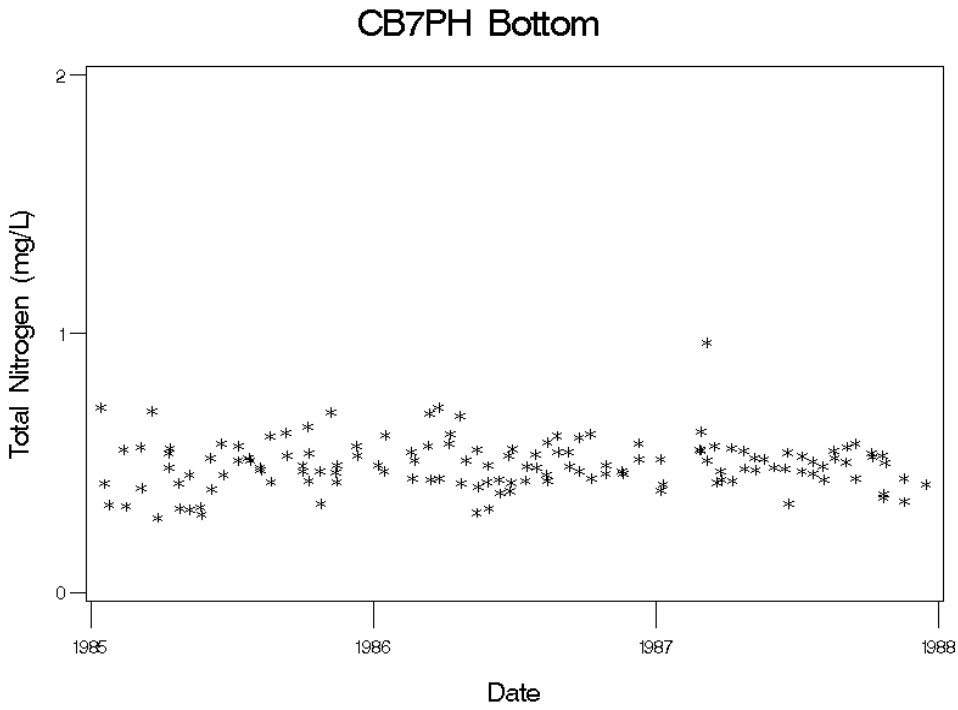


Figure 31. Scatterplot of surface DO saturation at segment CB7PH during the period 1985 to 2009.

a) Pre-method change period



b) Post-method change period

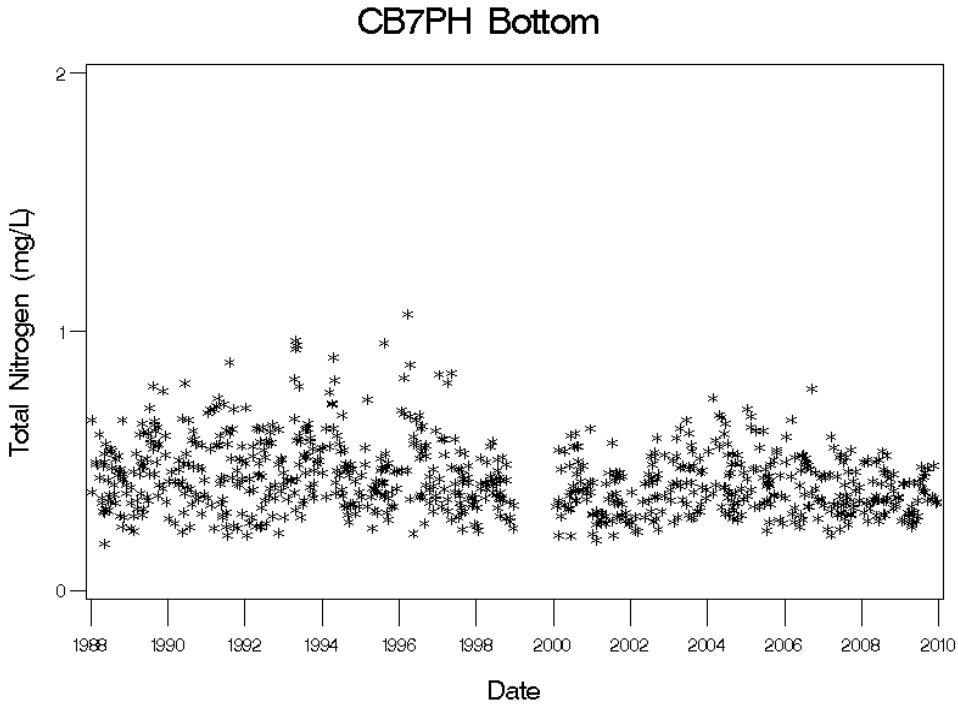
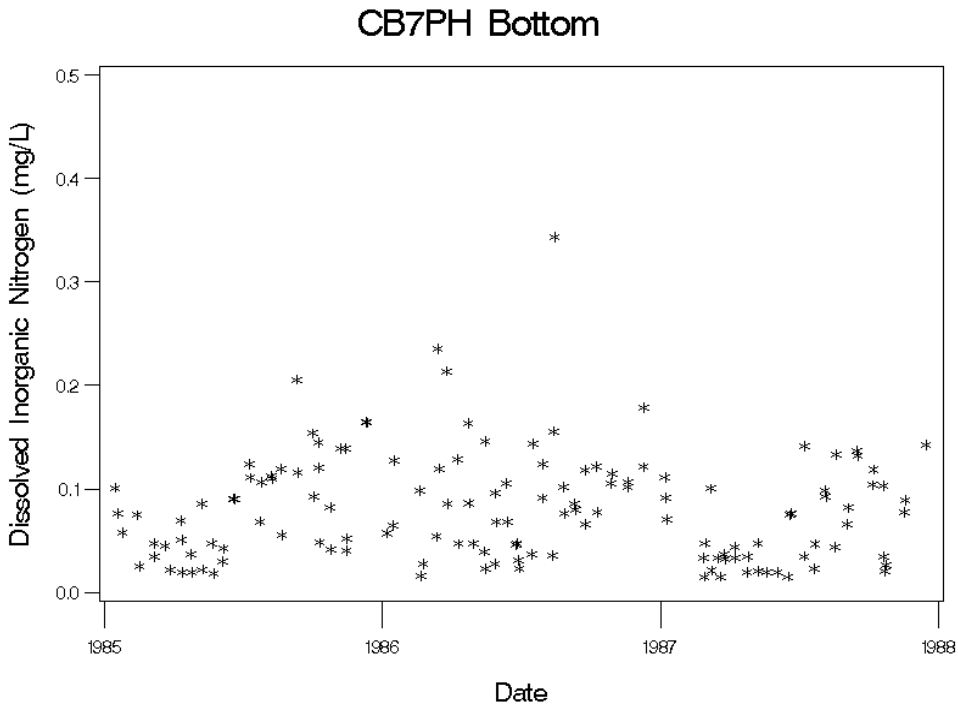


Figure 32. Scatterplots of bottom total nitrogen at segment CB7PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

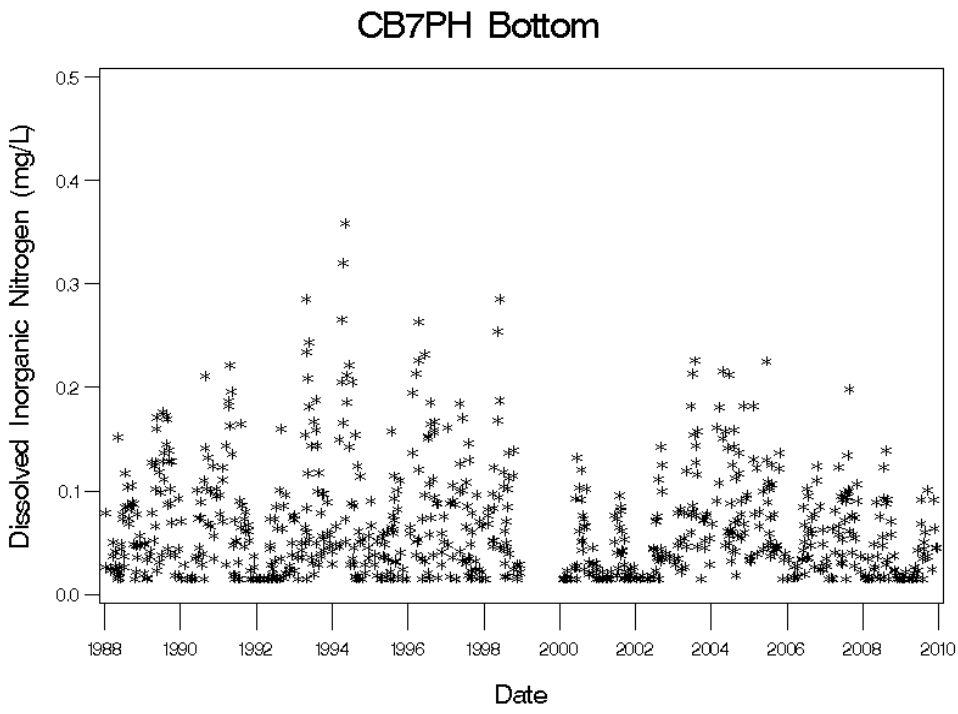
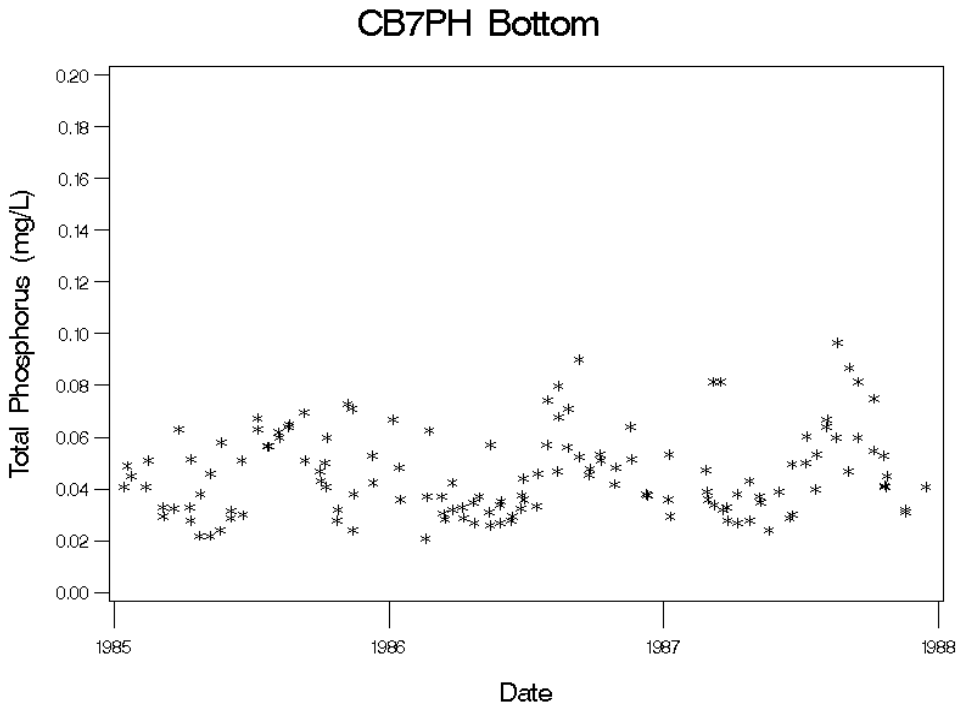


Figure 33. Scatterplots of bottom dissolved inorganic nitrogen at segment CB7PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

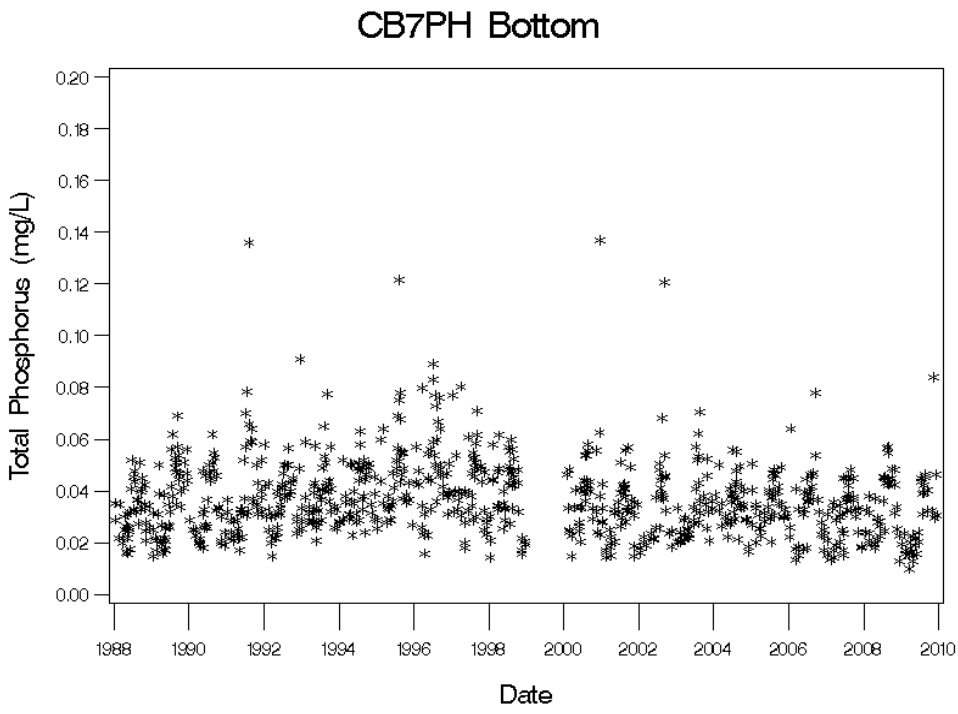
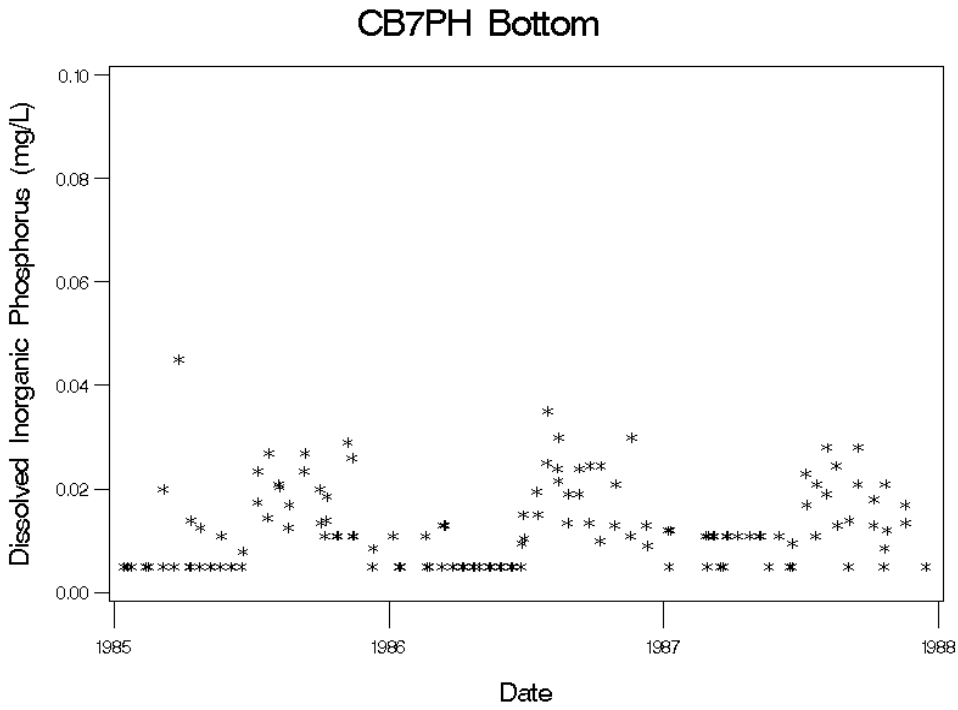


Figure 34. Scatterplots of bottom total phosphorus at segment CB7PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

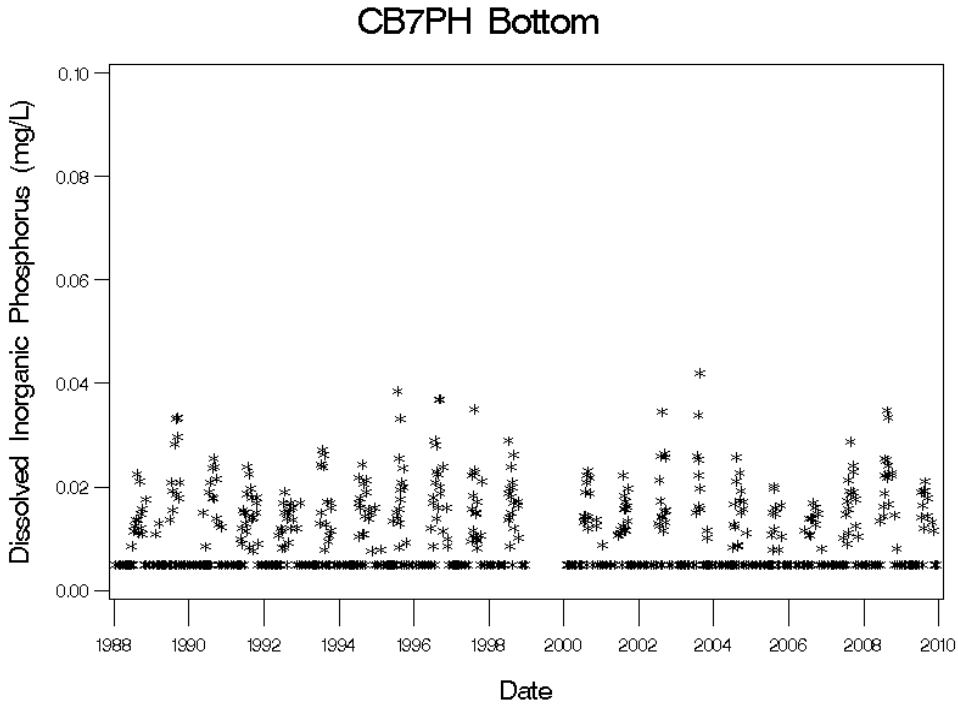


Figure 35. Scatterplots of bottom dissolved inorganic phosphorus at segment CB7PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

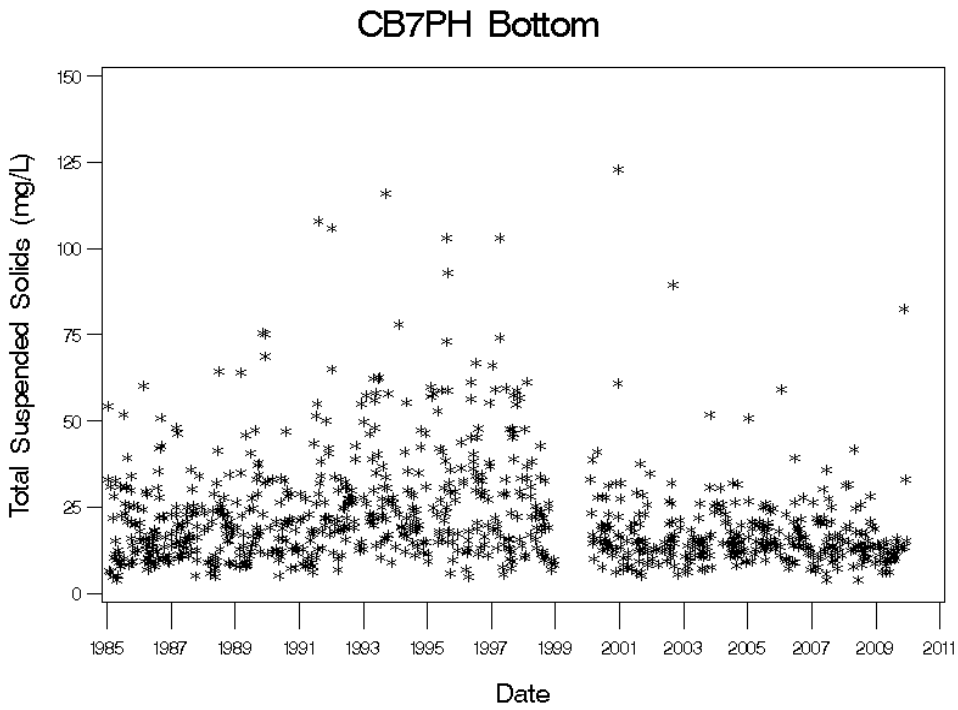


Figure 36. Scatterplot of bottom total suspended solids at segment CB7PH during the period 1985 to 2009.

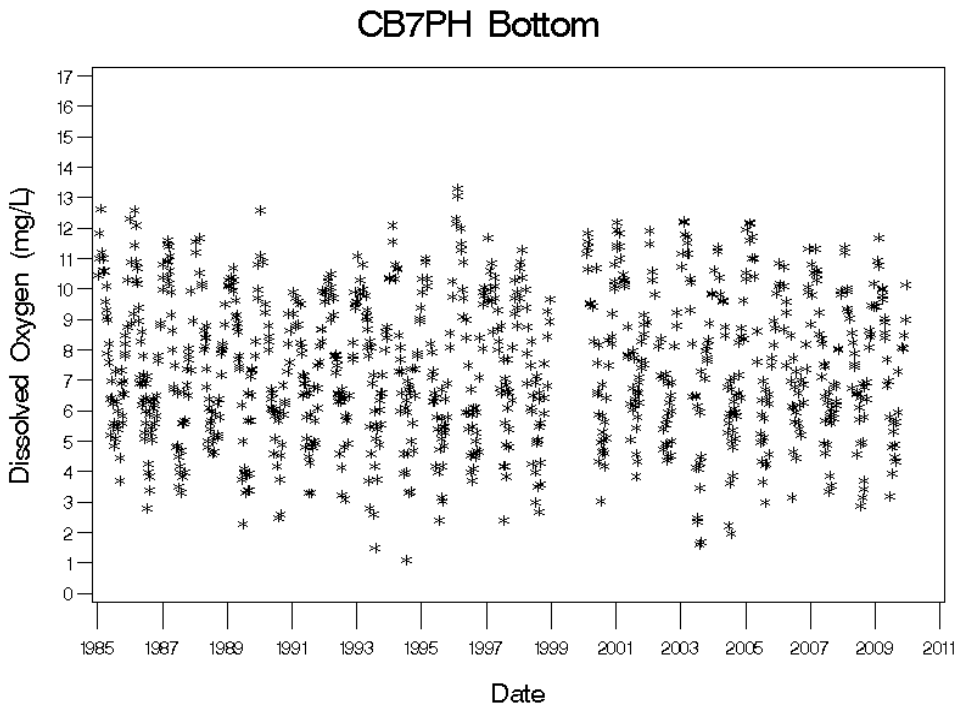


Figure 37. Scatterplot of bottom dissolved oxygen at segment CB7PH during the period 1985 to 2009.

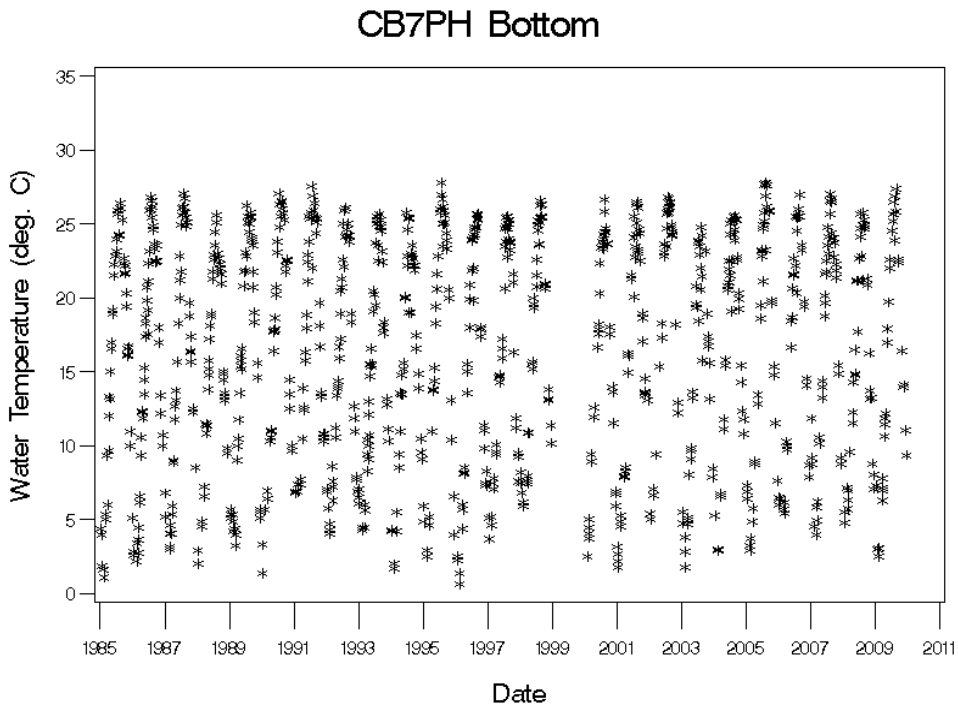


Figure 38. Scatterplot of bottom water temperature at segment CB7PH during the period 1985 to 2009.

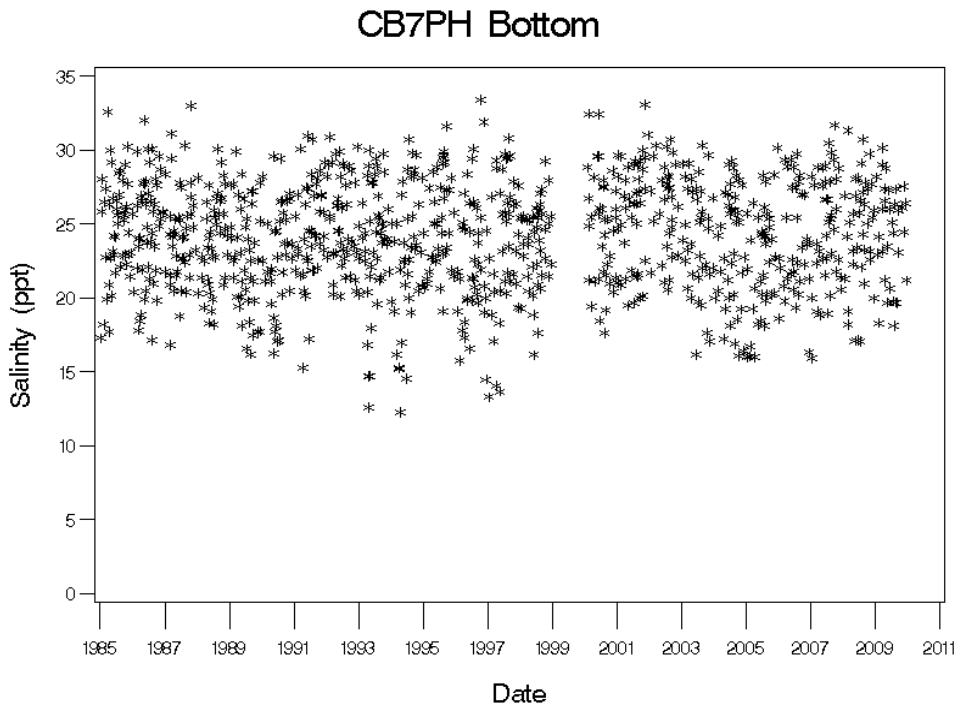


Figure 39. Scatterplot of bottom salinity at segment CB7PH during the period 1985 to 2009.

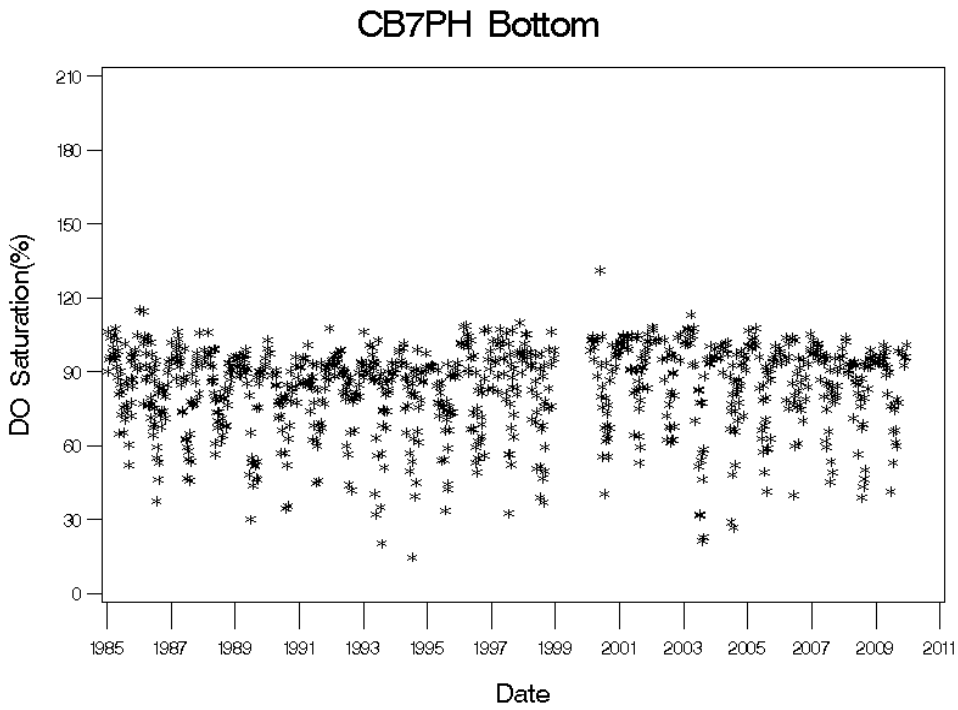
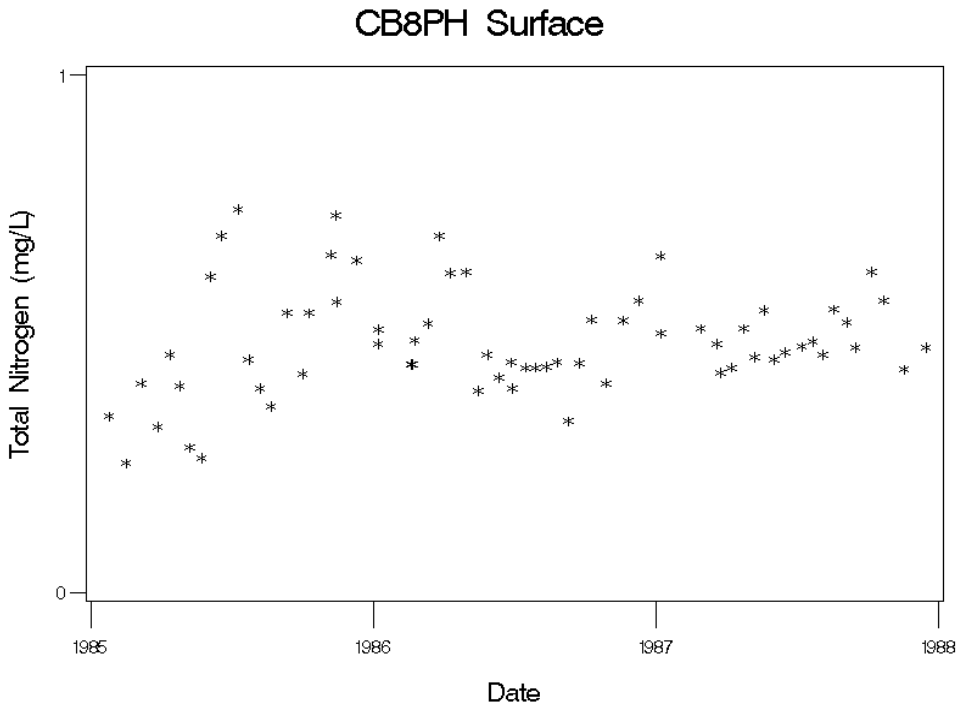


Figure 40. Scatterplot of bottom DO saturation at segment CB7PH during the period 1985 to 2009.

a) Pre-method change period



b) Post-method change period

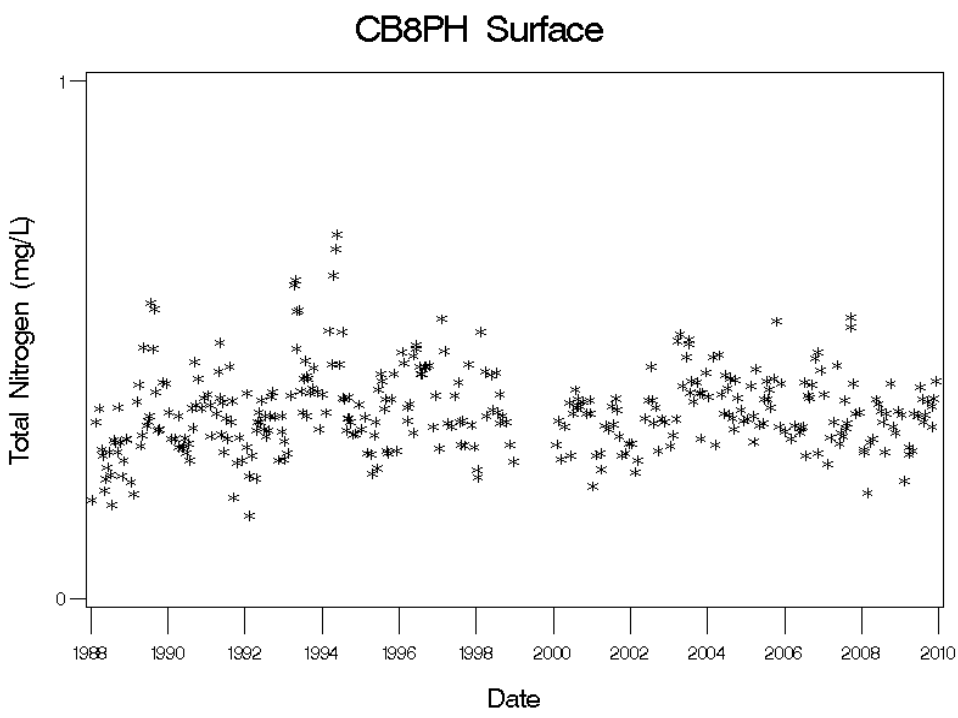
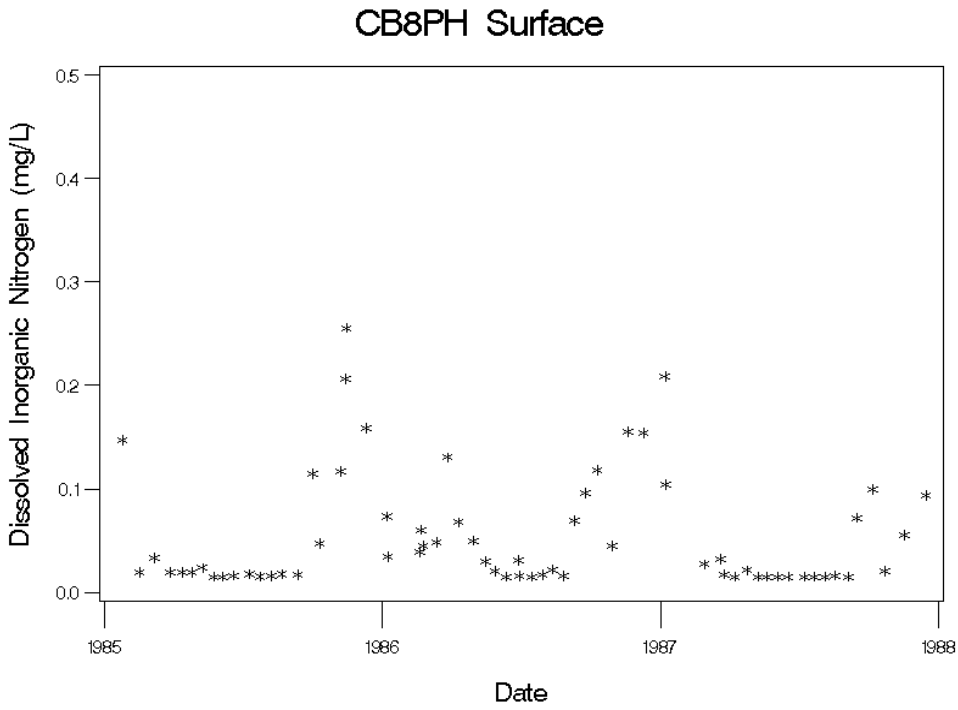


Figure 41. Scatterplots of surface total nitrogen at segment CB8PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

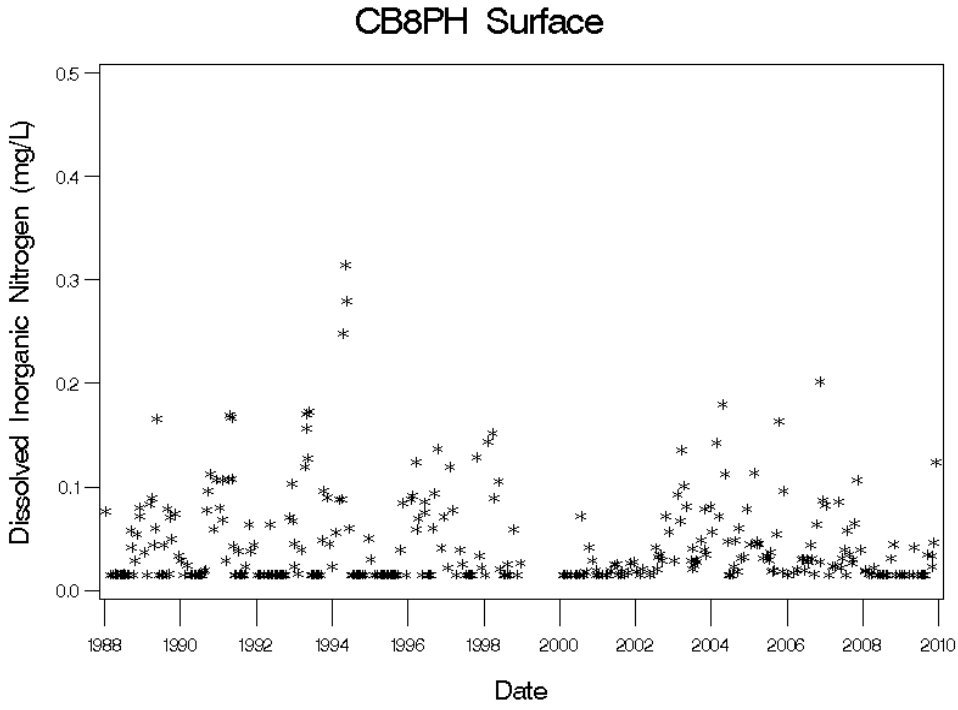
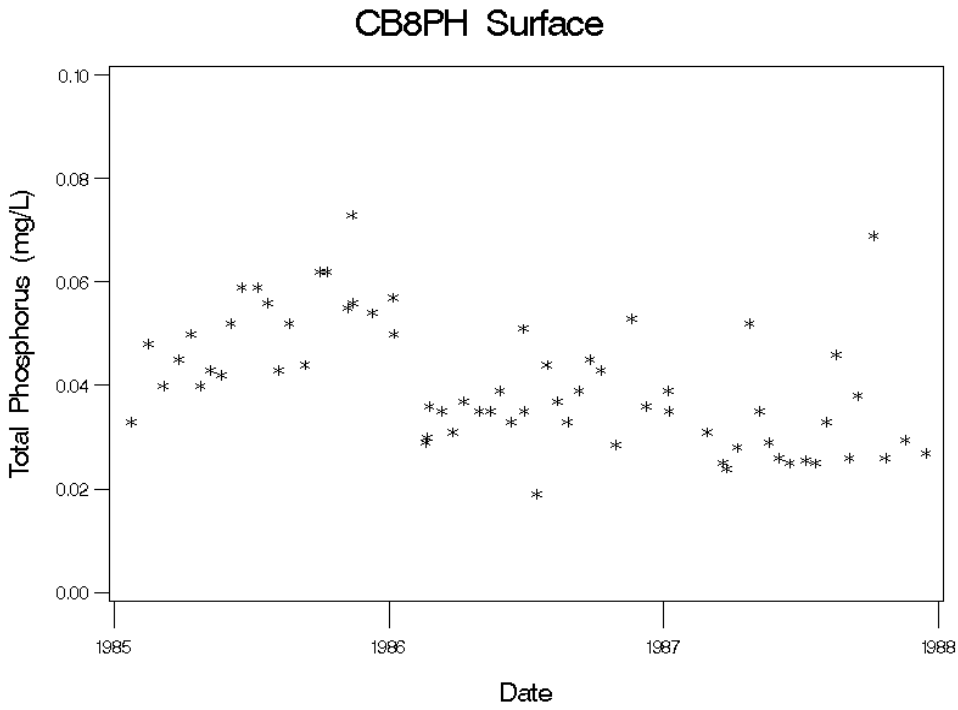


Figure 42. Scatterplots of surface dissolved inorganic nitrogen at segment CB8PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

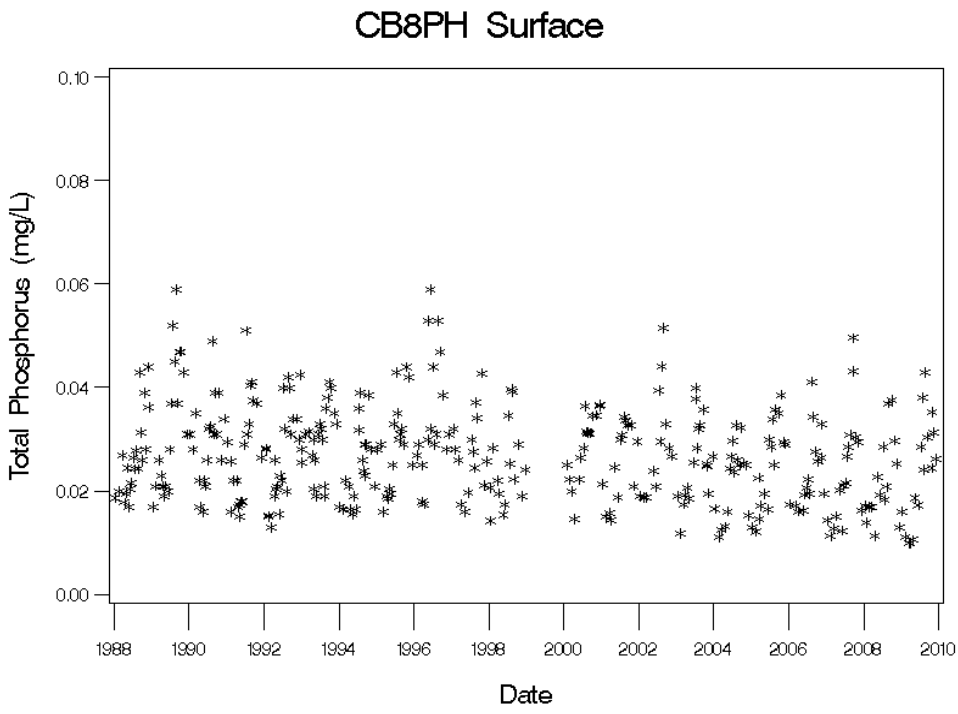
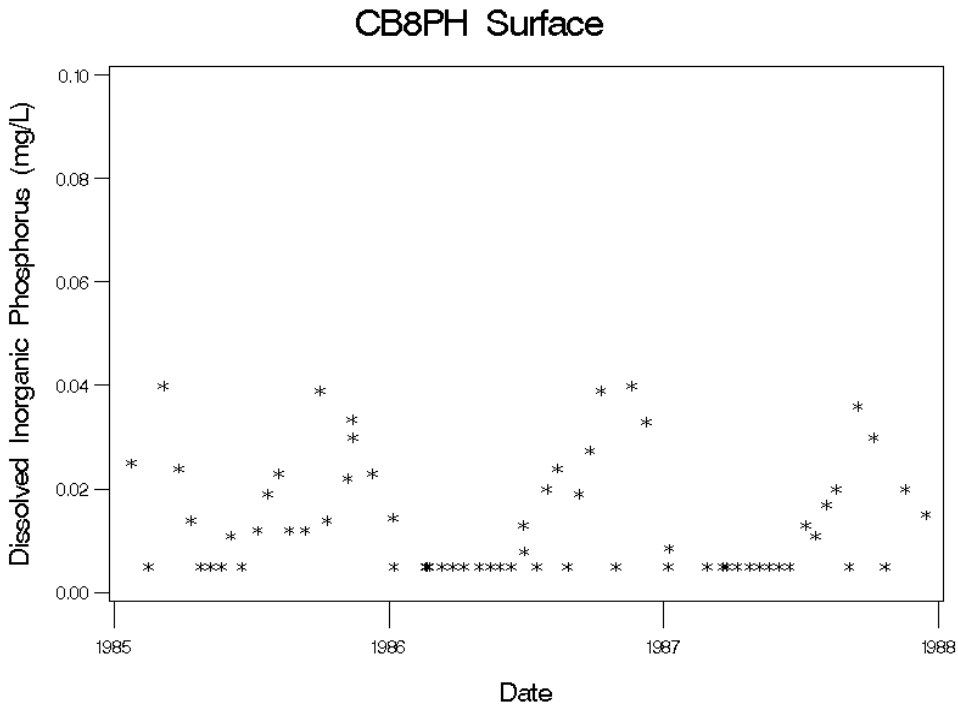


Figure 43. Scatterplots of surface total phosphorus at segment CB8PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

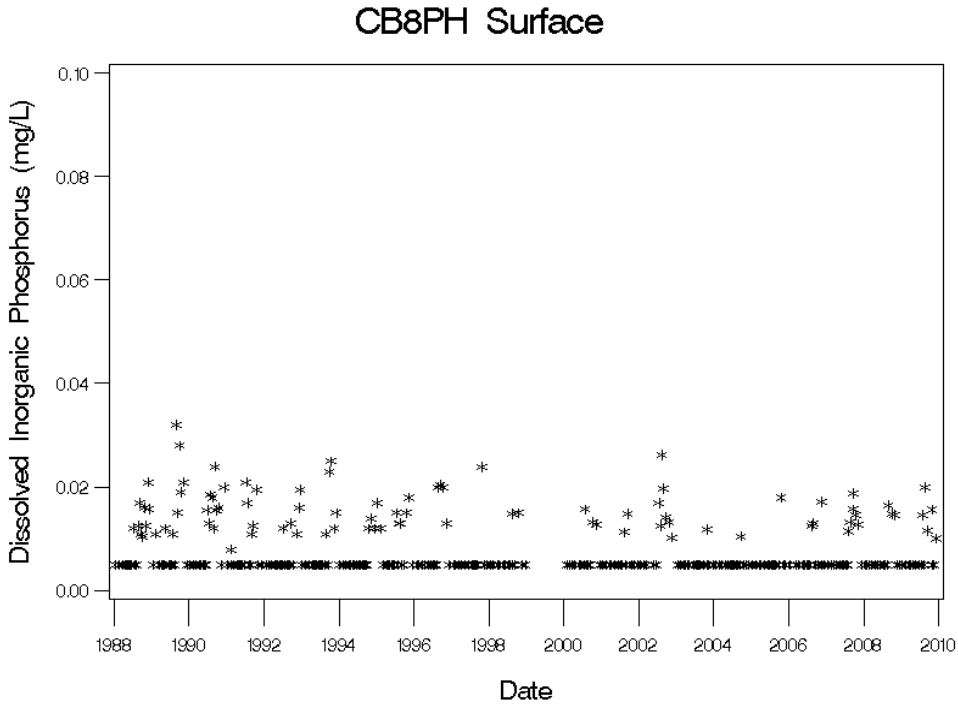


Figure 44. Scatterplots of surface dissolved inorganic phosphorus at segment CB8PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

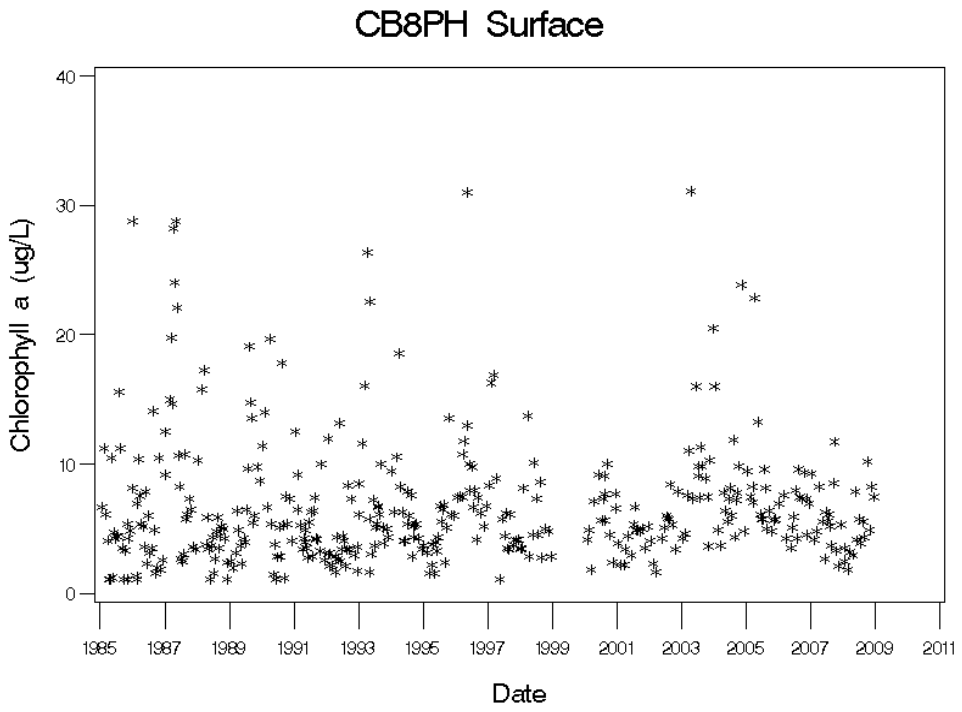


Figure 45. Scatterplot of surface chlorphyll a at segment CB8PH during the period 1985 to 2009.

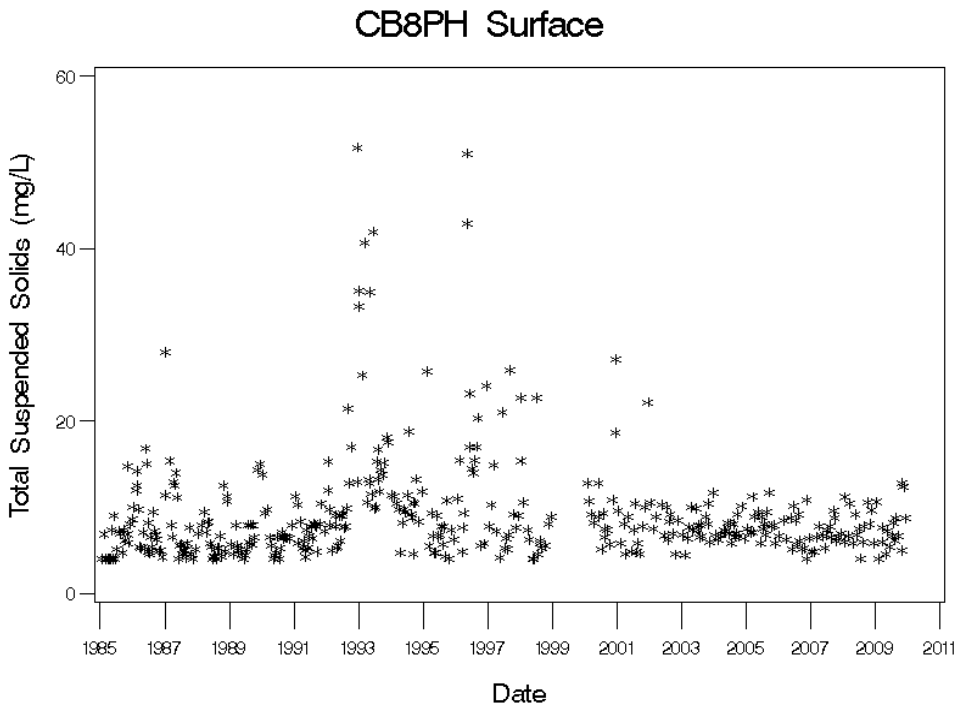


Figure 46. Scatterplot of surface total suspended solids at segment CB8PH during the period 1985 to 2009.

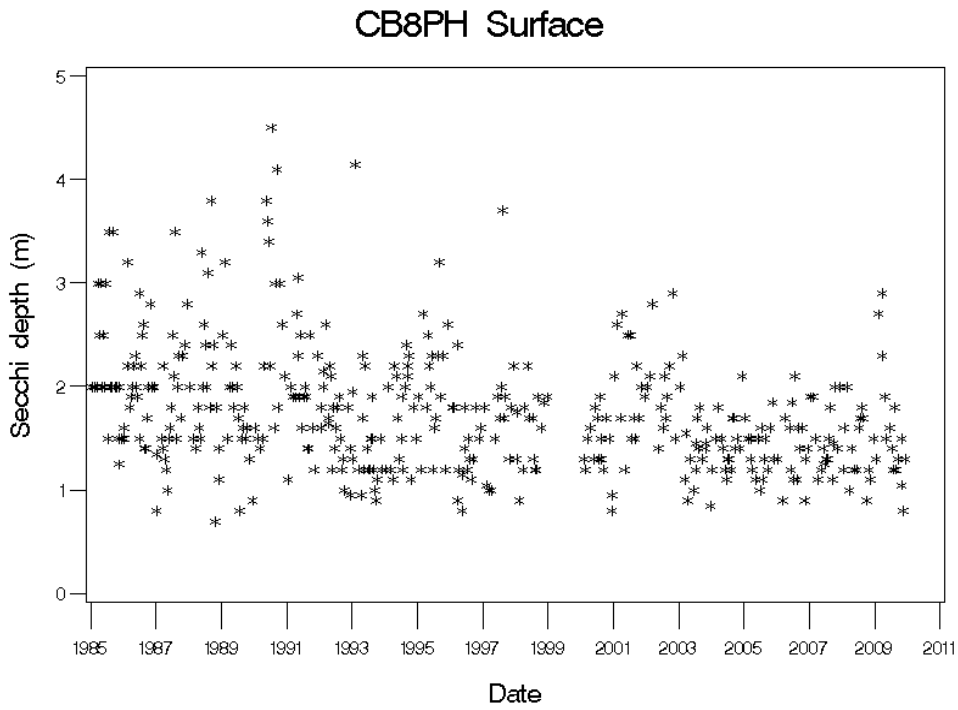


Figure 47. Scatterplot of secchi depth at segment CB8PH during the period 1985 to 2009.

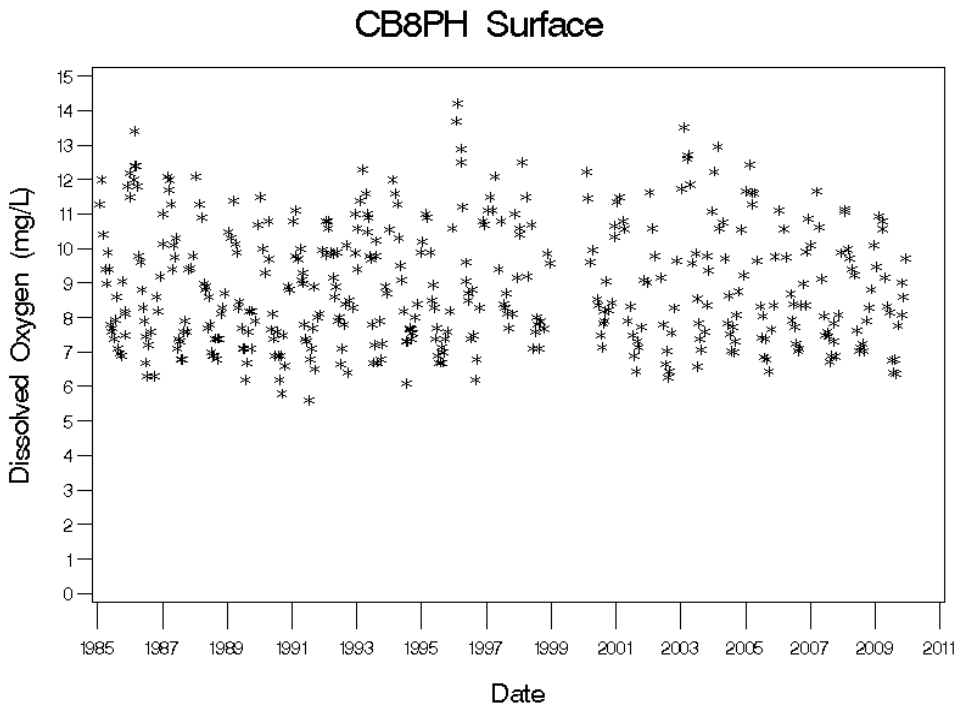


Figure 48. Scatterplot of surface dissolved oxygen at segment CB8PH during the period 1985 to 2009.

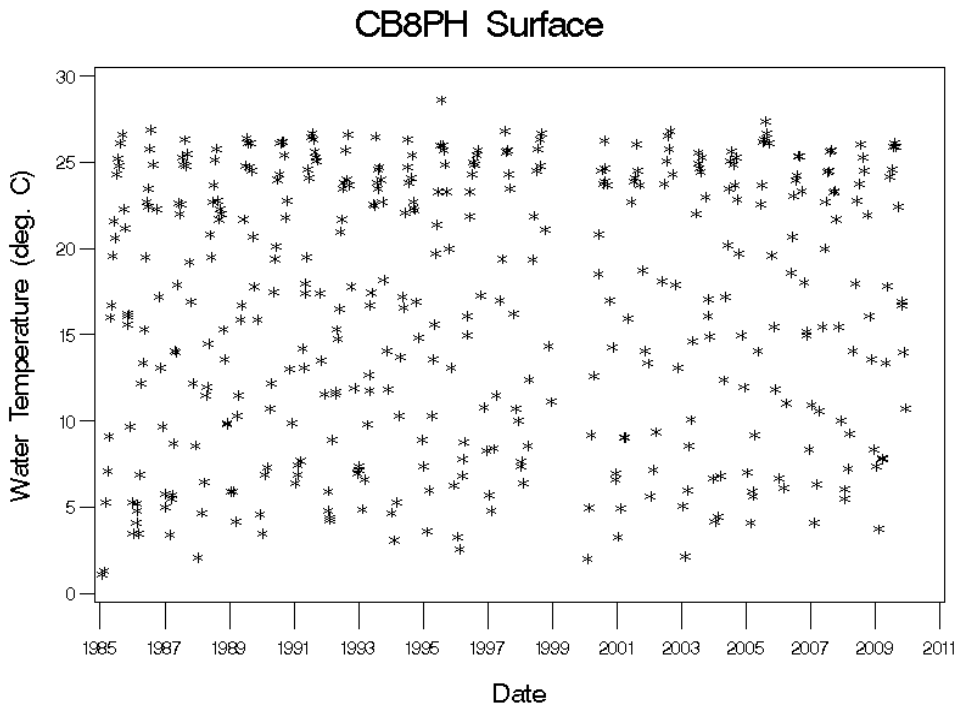


Figure 49. Scatterplot of surface water temperature at segment CB8PH during the period 1985 to 2009.

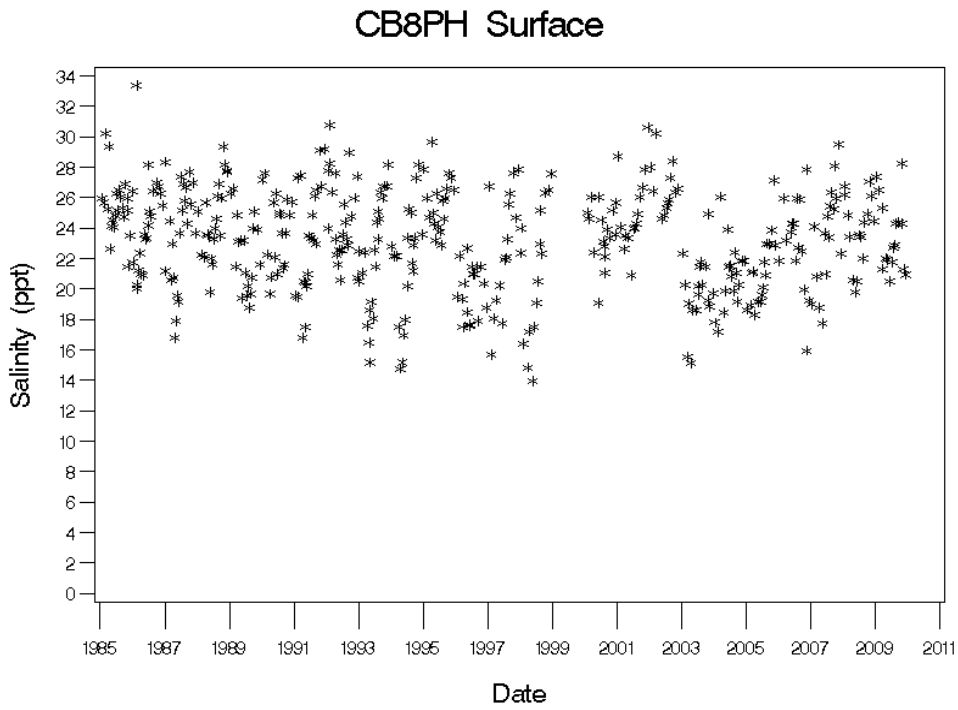


Figure 50. Scatterplot of surface salinity at segment CB8PH during the period 1985 to 2009.

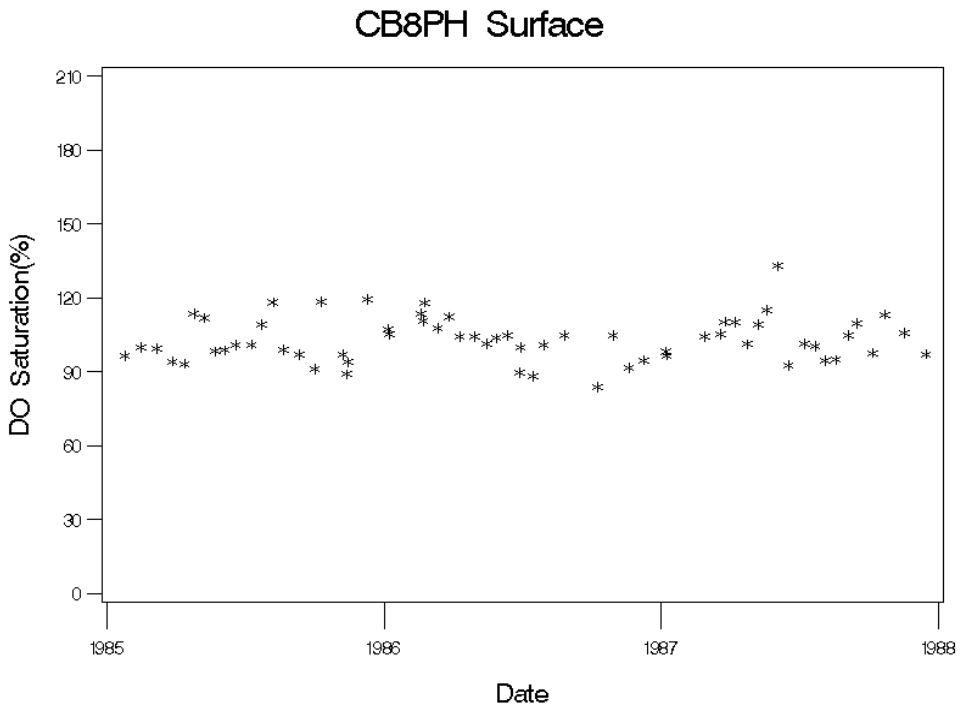
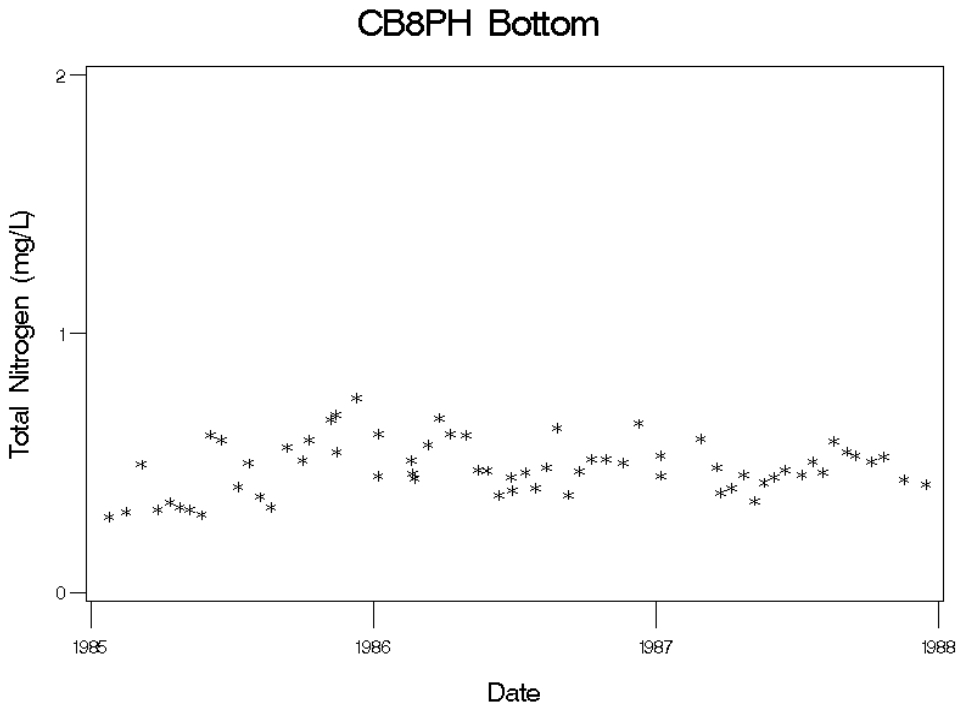


Figure 51. Scatterplot of surface DO saturation at segment CB8PH during the period 1985 to 2009.

a) Pre-method change period



b) Post-method change period

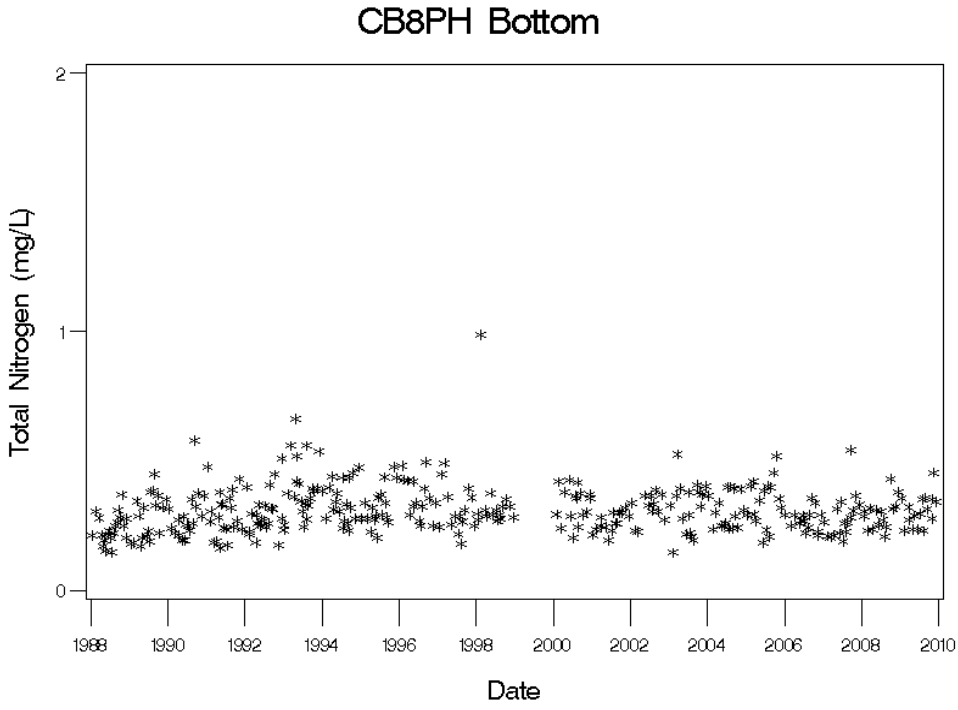
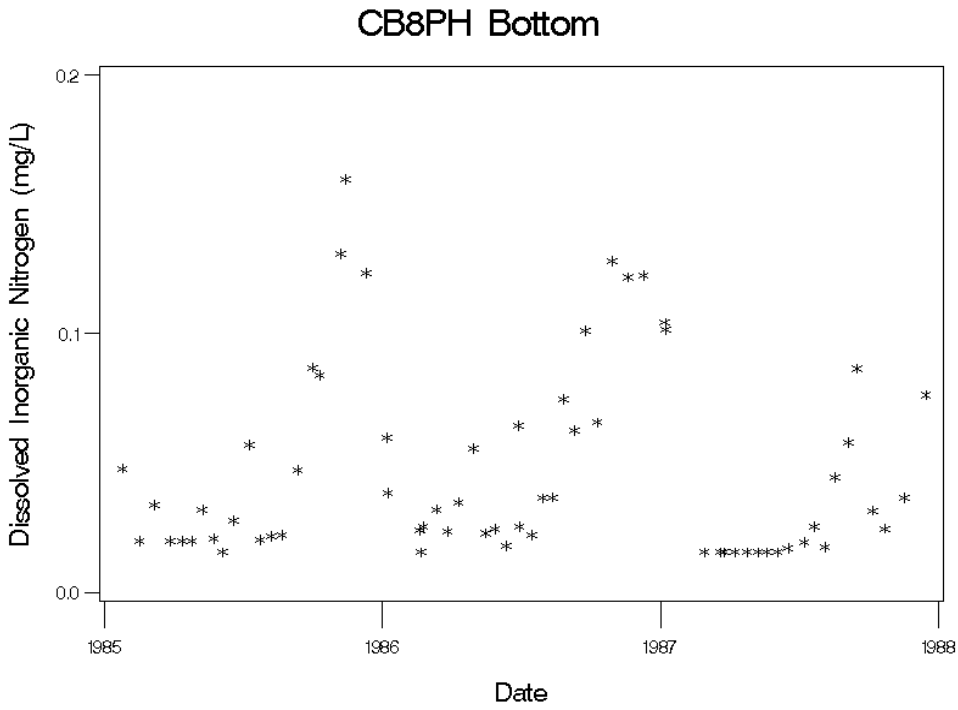


Figure 52. Scatterplots of bottom total nitrogen at segment CB8PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

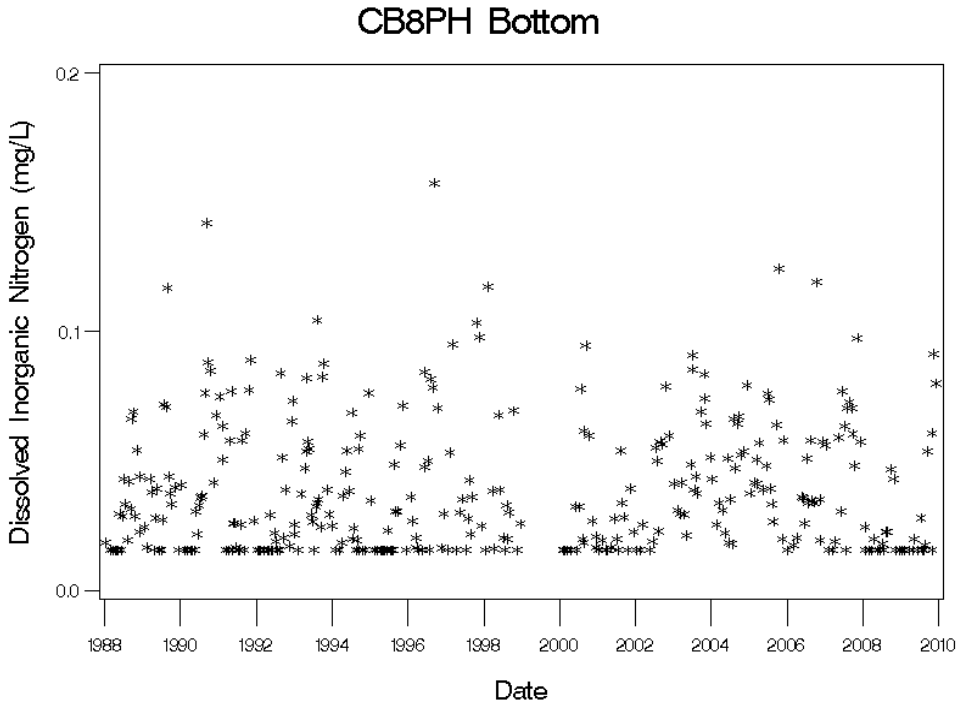
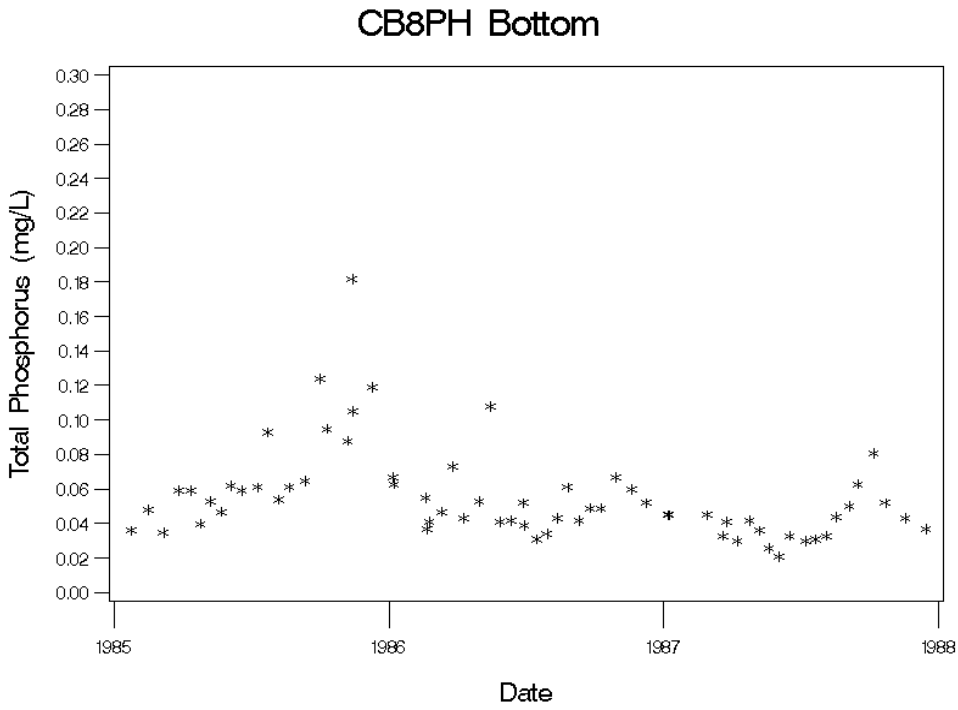


Figure 53. Scatterplots of bottom dissolved inorganic nitrogen at segment CB8PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

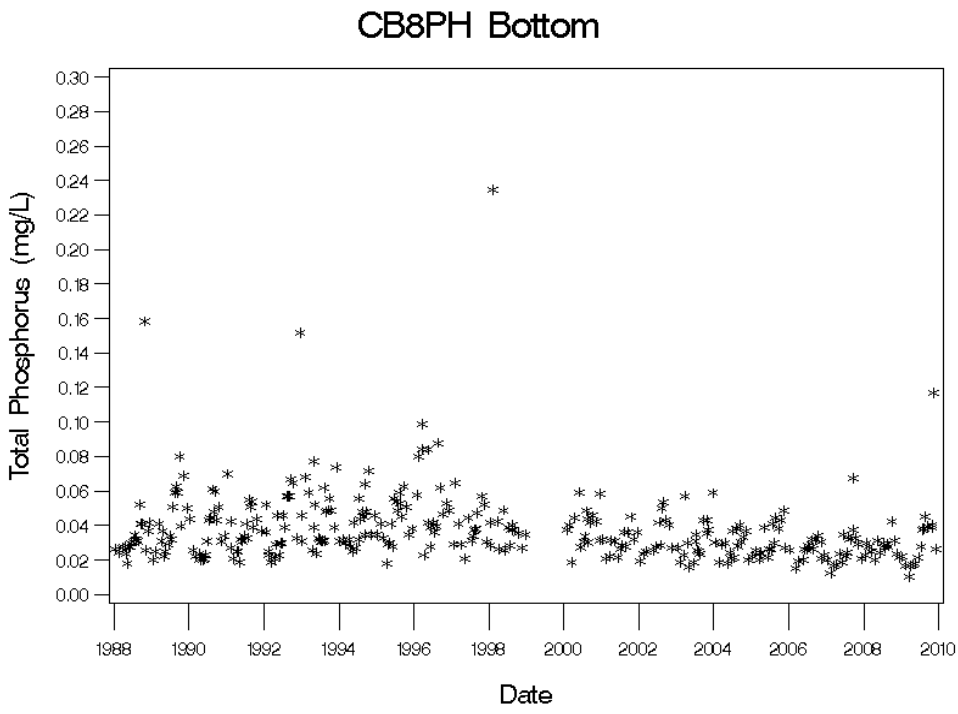
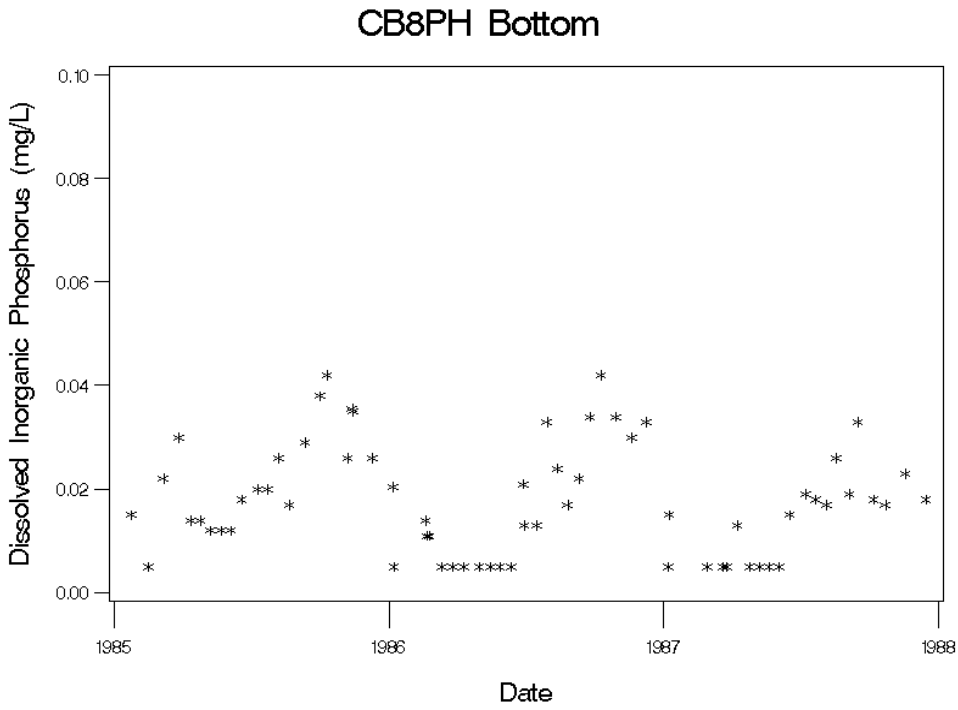


Figure 54. Scatterplots of bottom total phosphorus at segment CB8PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

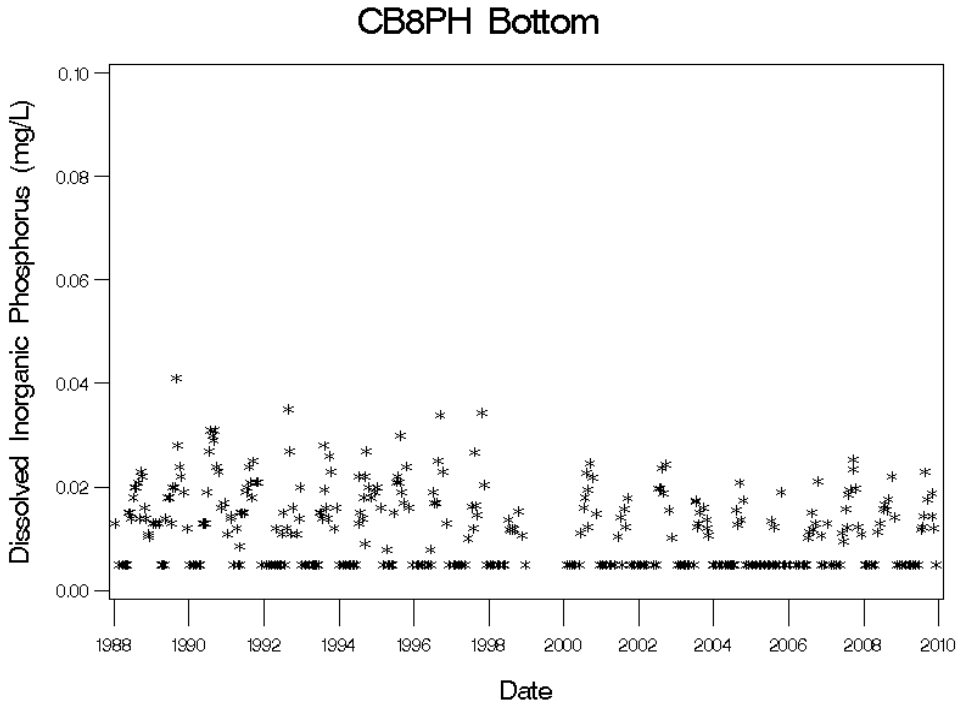


Figure 55. Scatterplots of bottom dissolved inorganic phosphorus at segment CB8PH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

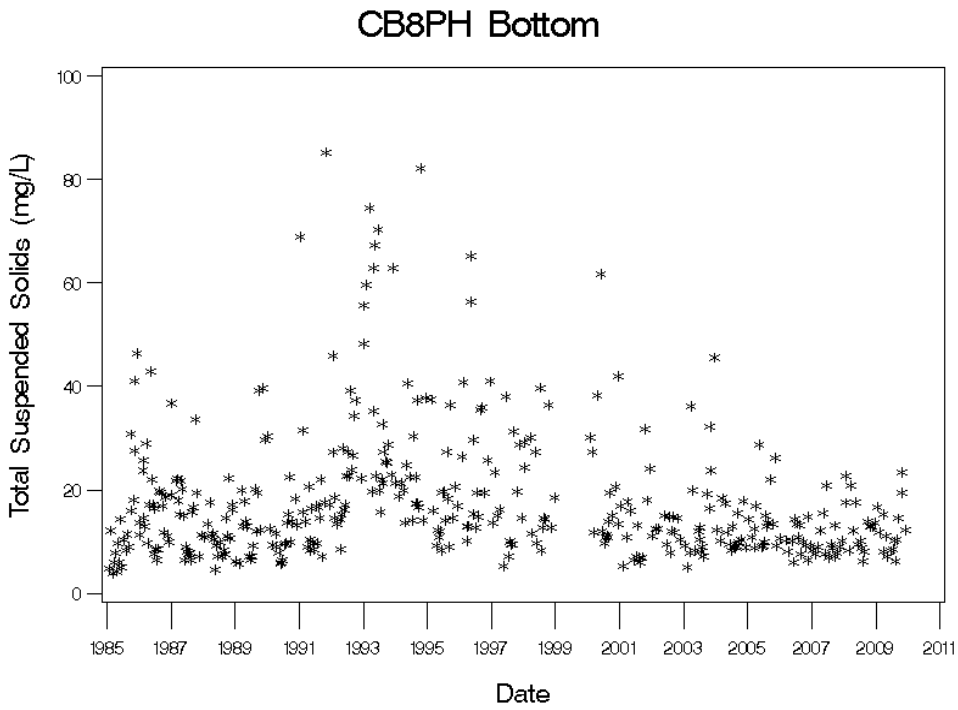


Figure 56. Scatterplot of bottom total suspended solids at segment CB8PH during the period 1985 to 2009.

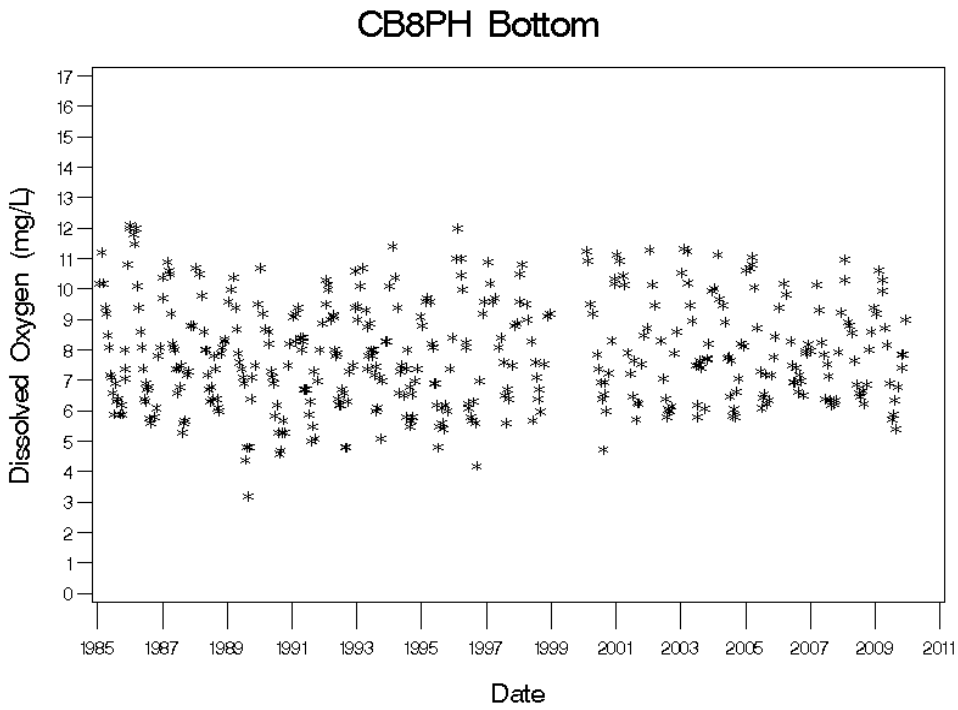


Figure 57. Scatterplot of bottom dissolved oxygen at segment CB8PH during the period 1985 to 2009.

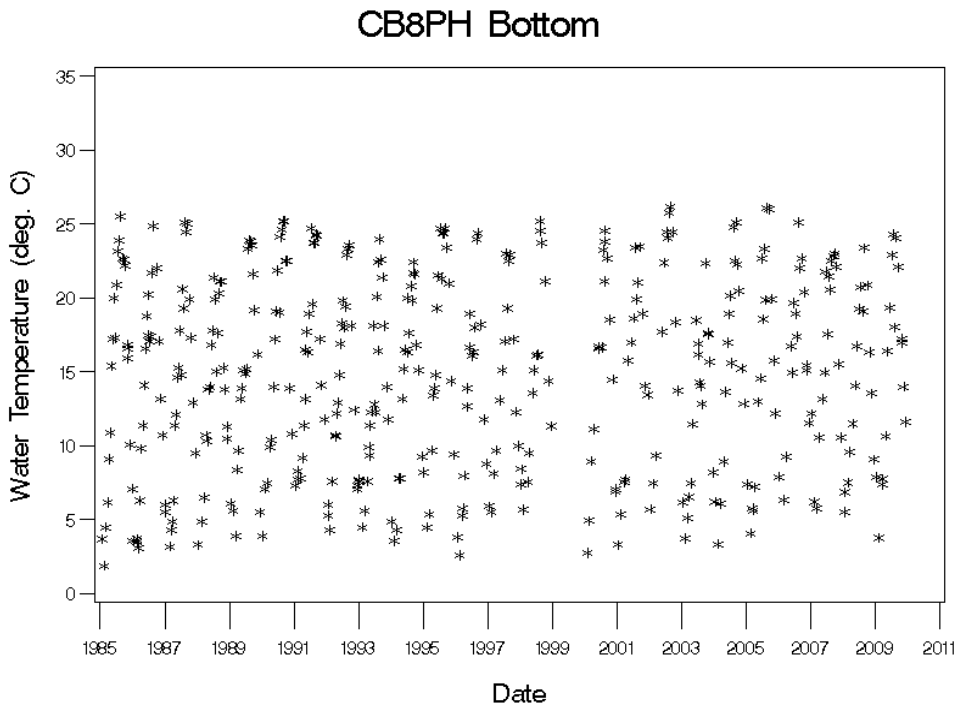


Figure 58. Scatterplot of bottom water temperature at segment CB8PH during the period 1985 to 2009.

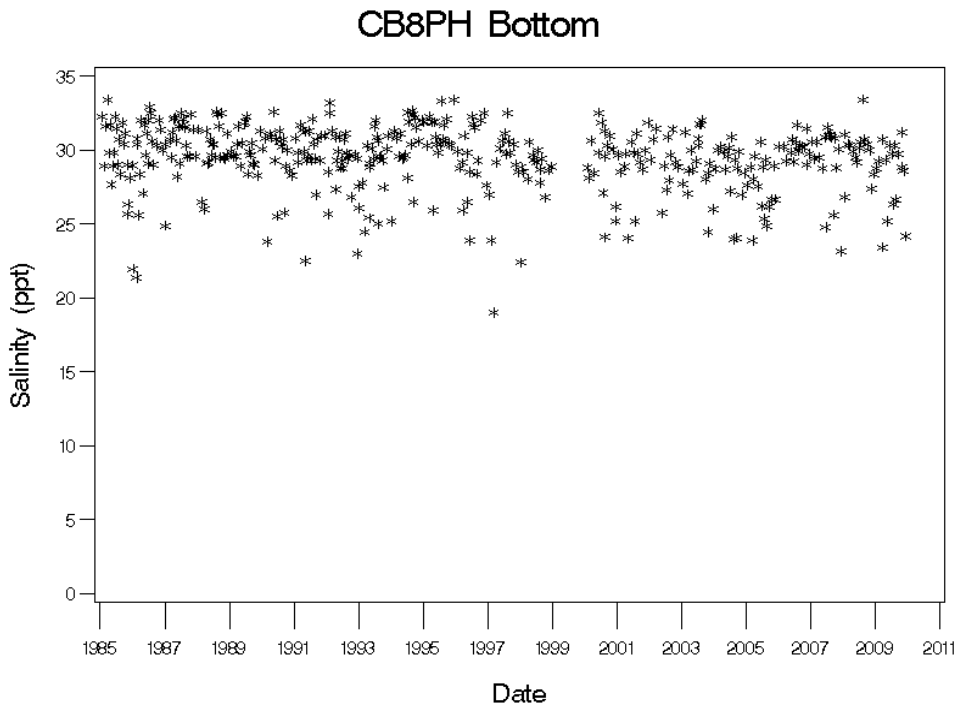


Figure 59. Scatterplot of bottom salinity at segment CB8PH during the period 1985 to 2009.

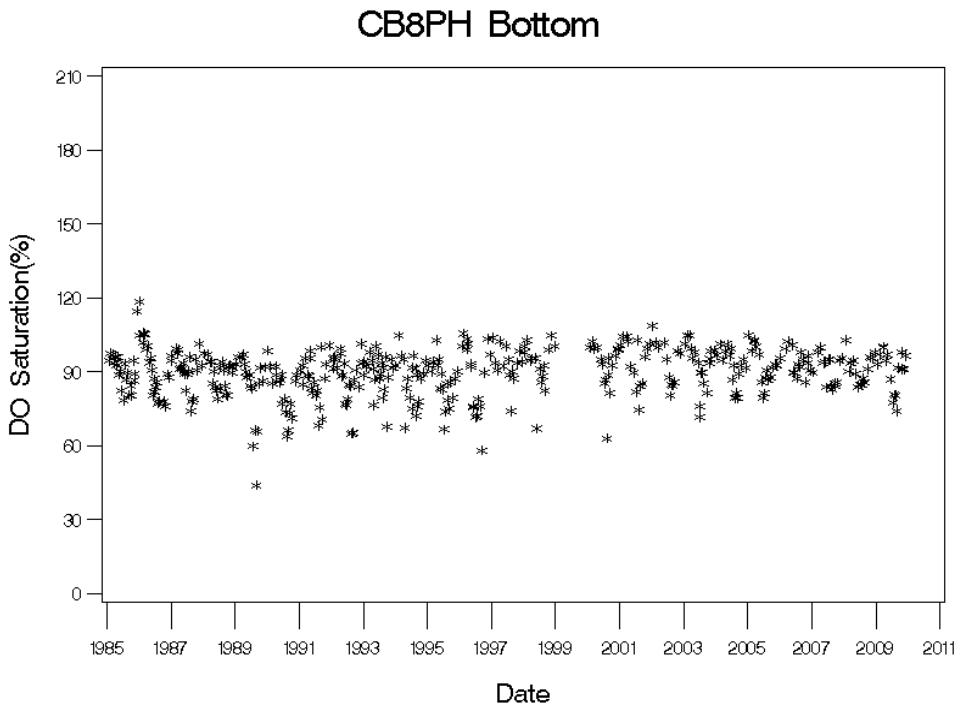
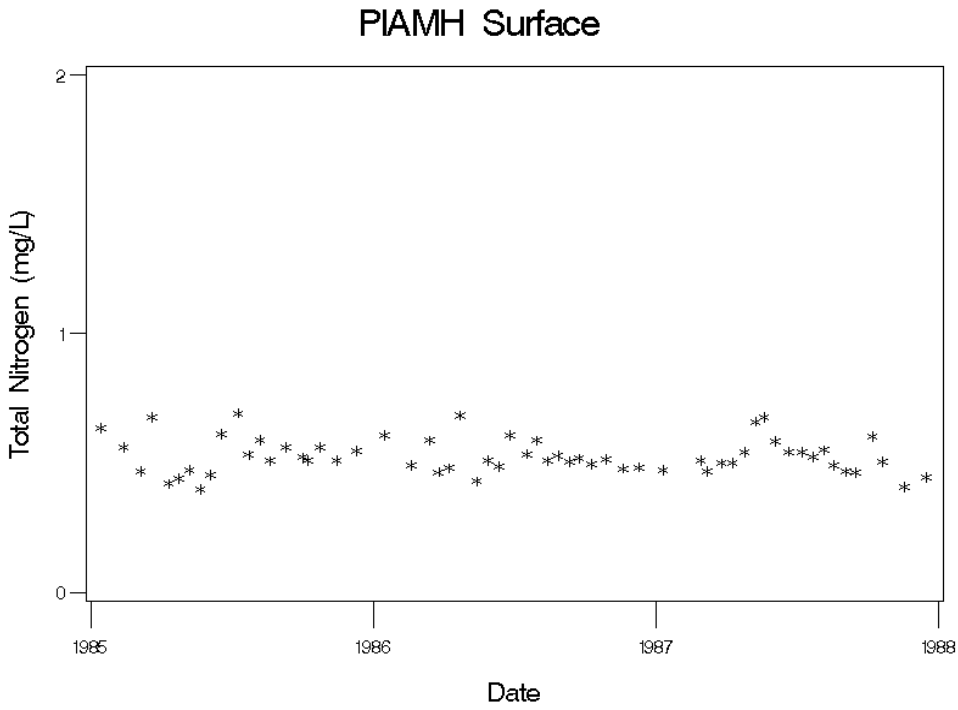


Figure 60. Scatterplot of bottom DO saturation at segment CB8PH during the period 1985 to 2009.

a) Pre-method change period



b) Post-method change period

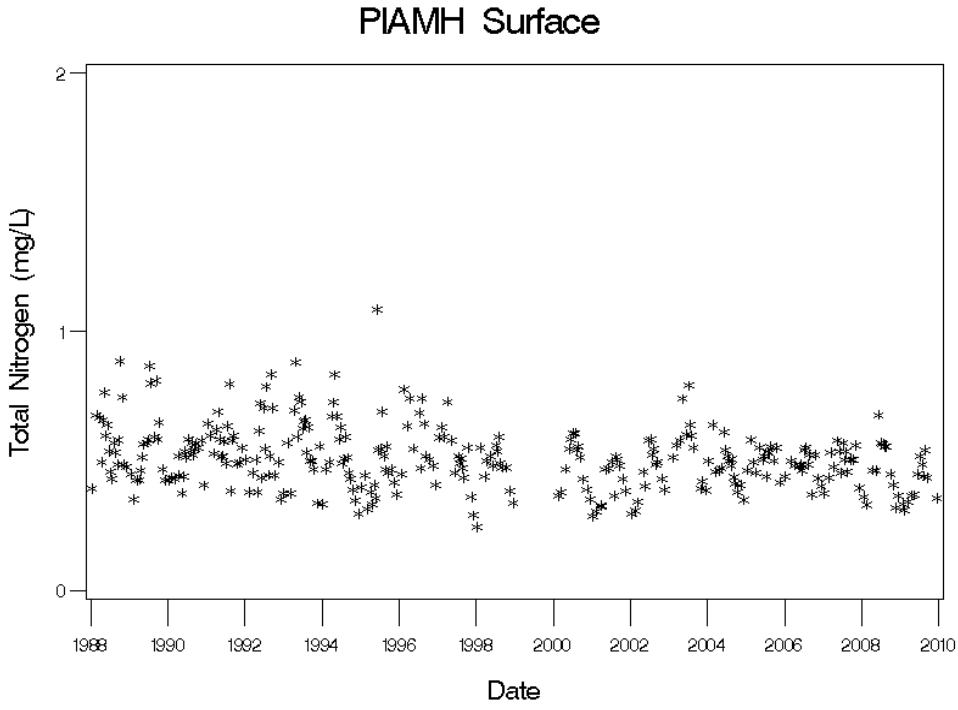
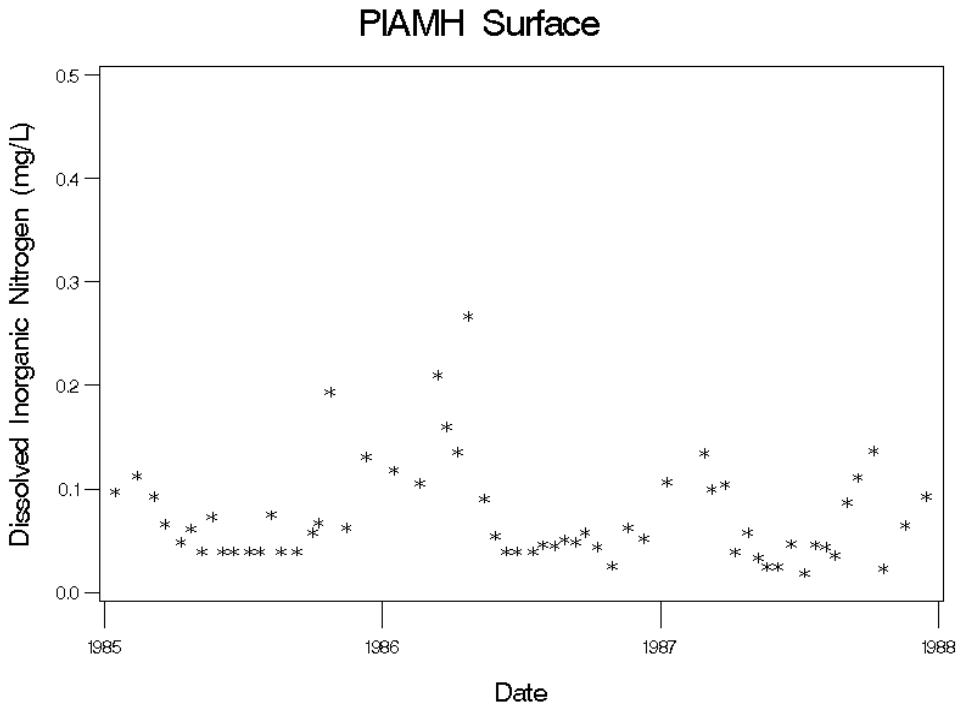


Figure 61. Scatterplots of surface total nitrogen at segment PIAMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

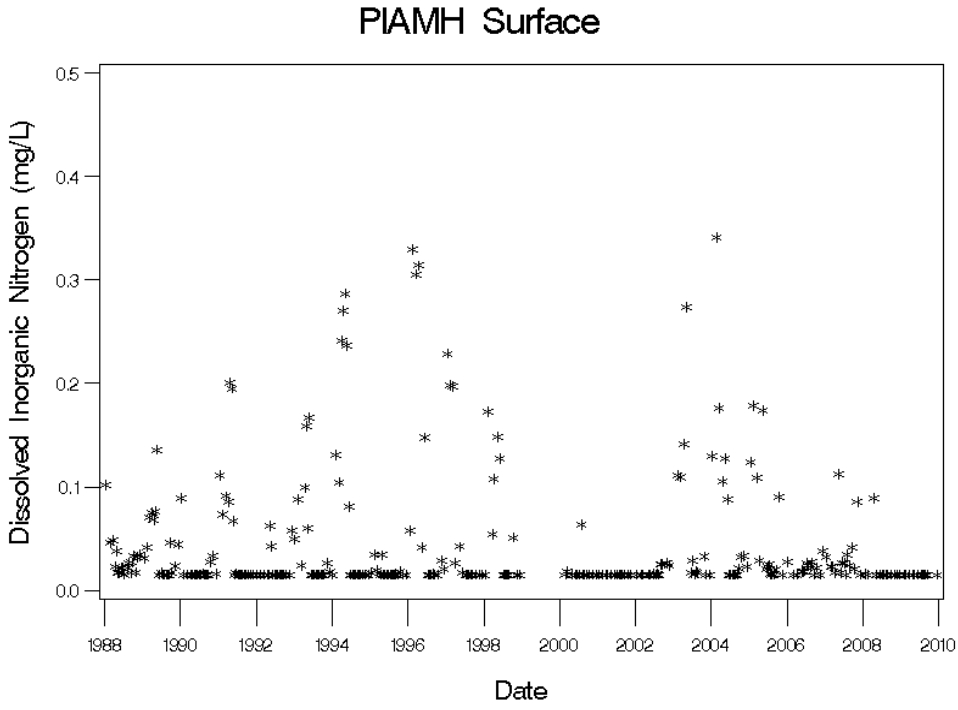
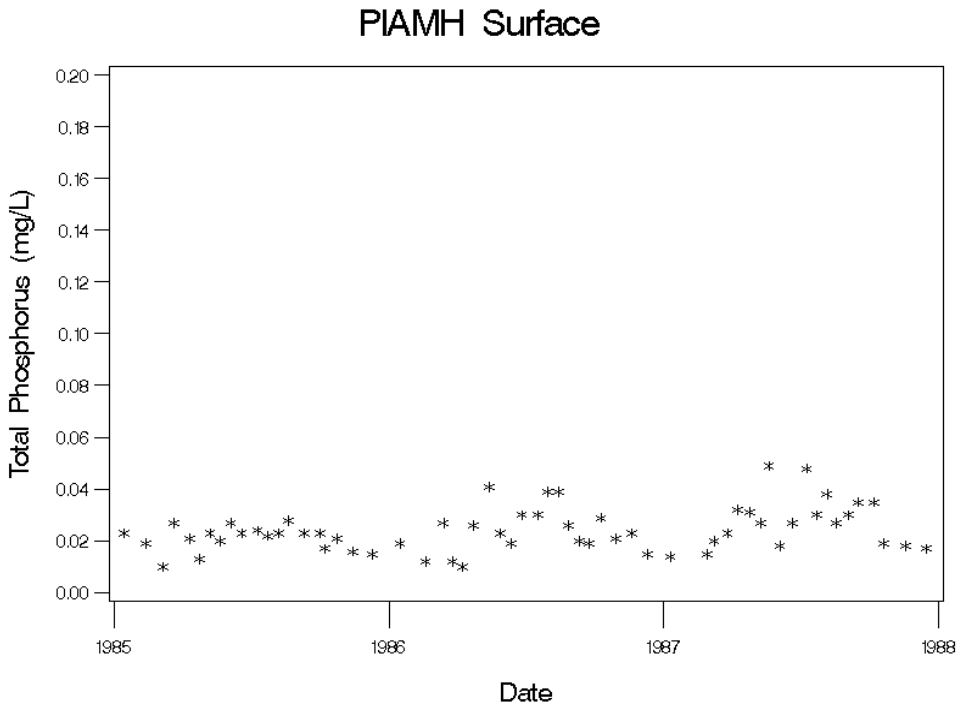


Figure 62. Scatterplots of surface dissolved inorganic nitrogen at segment PIAMH during the a) Pre-methodchange (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

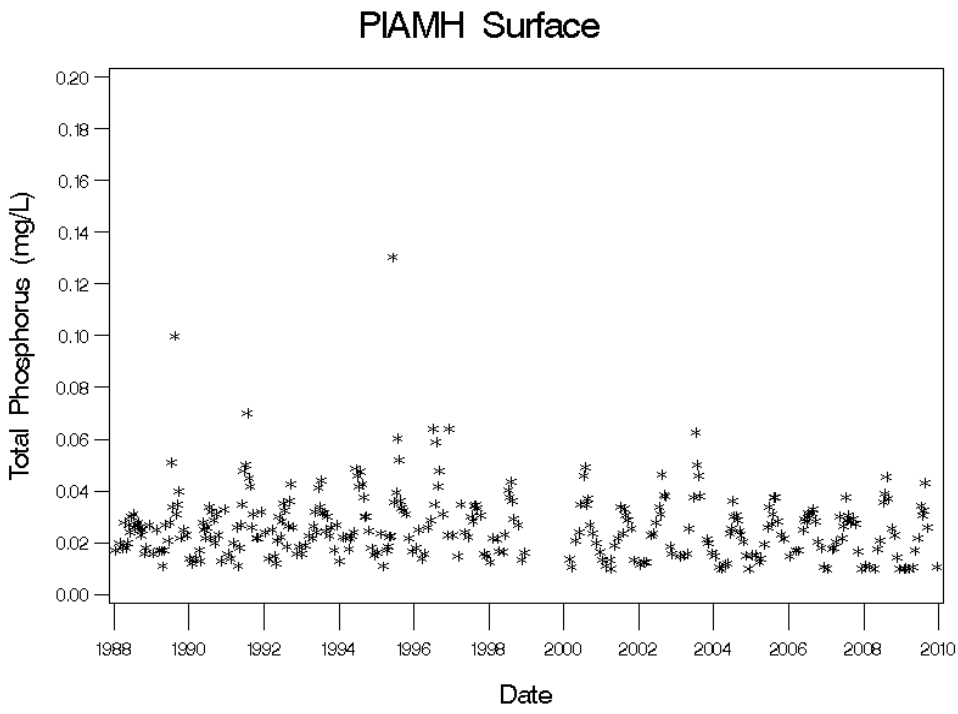
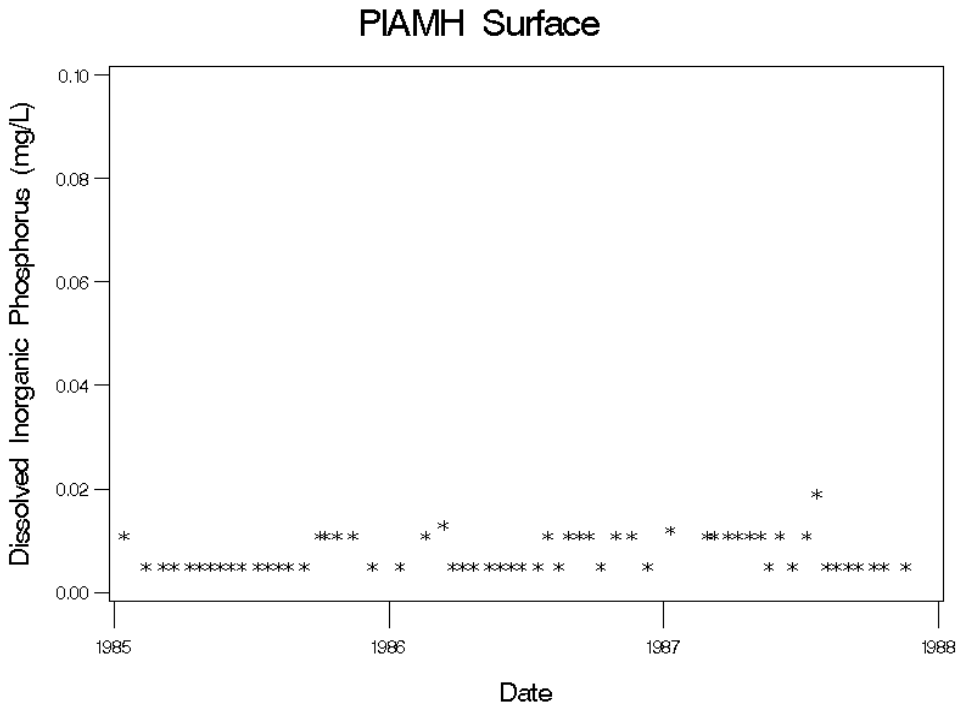


Figure 63. Scatterplots of surface total phosphorus at segment PIAMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

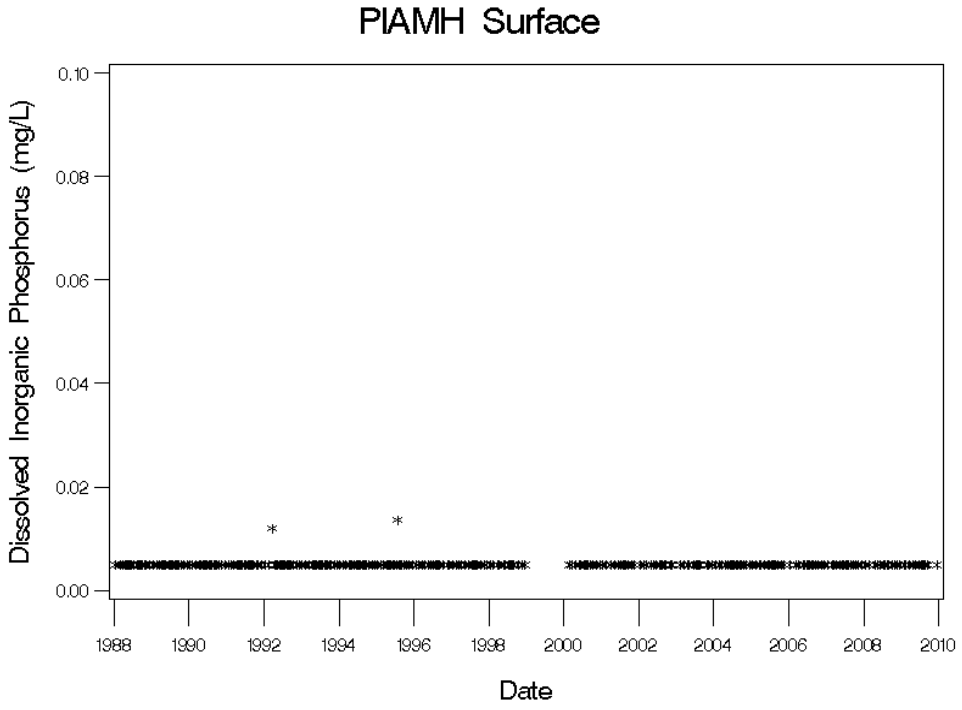


Figure 64. Scatterplots of surface dissolved inorganic phosphorus at segment PIAMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

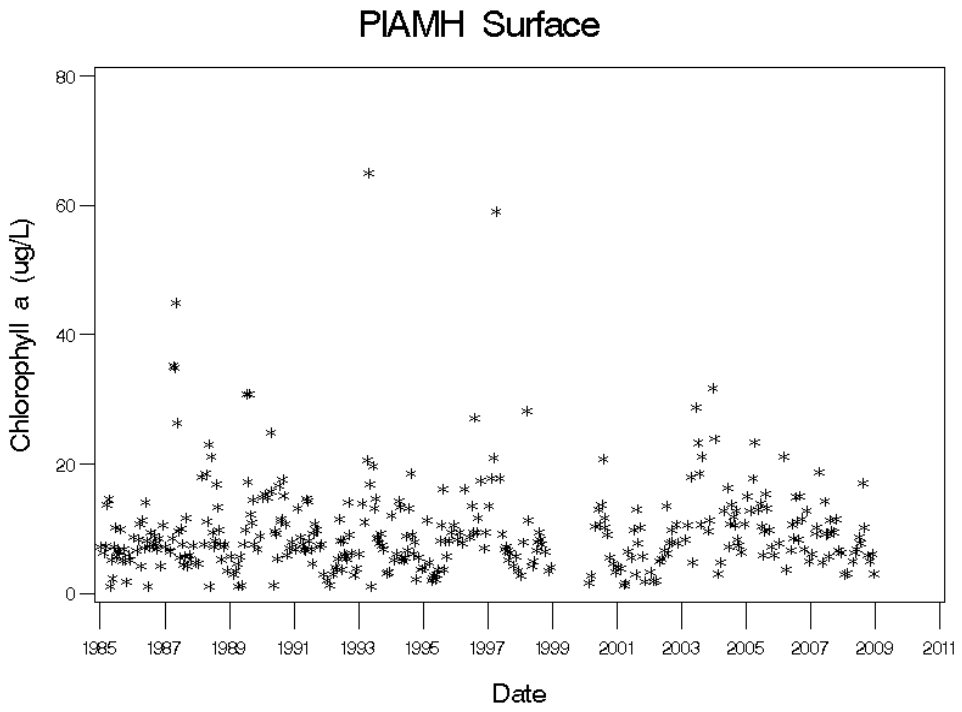


Figure 65. Scatterplot of surface chlorphyll a at segment PIAMH during the period 1985 to 2009.

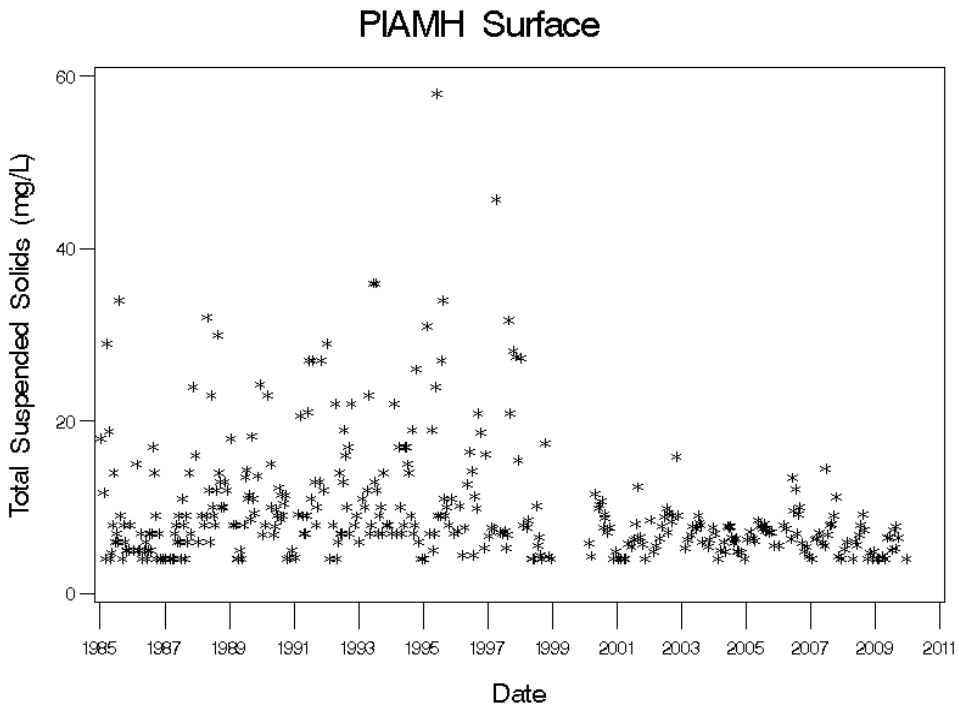


Figure 66. Scatterplot of surface total suspended solids at segment PIAMH during the period 1985 to 2009.

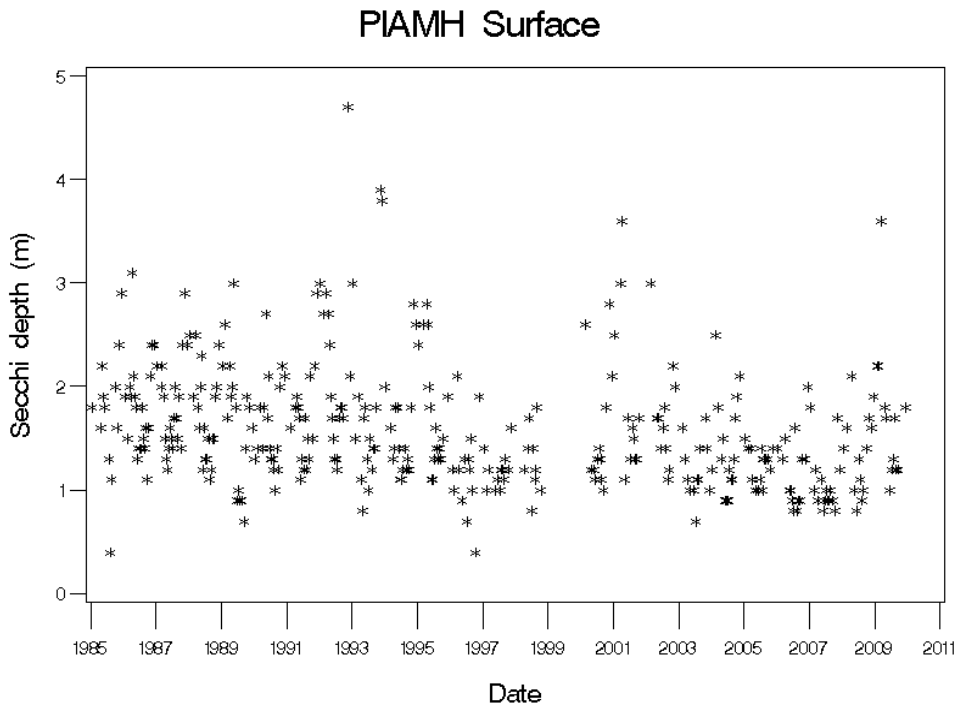


Figure 67. Scatterplot of secchi depth at segment PIAMH during the period 1985 to 2009.

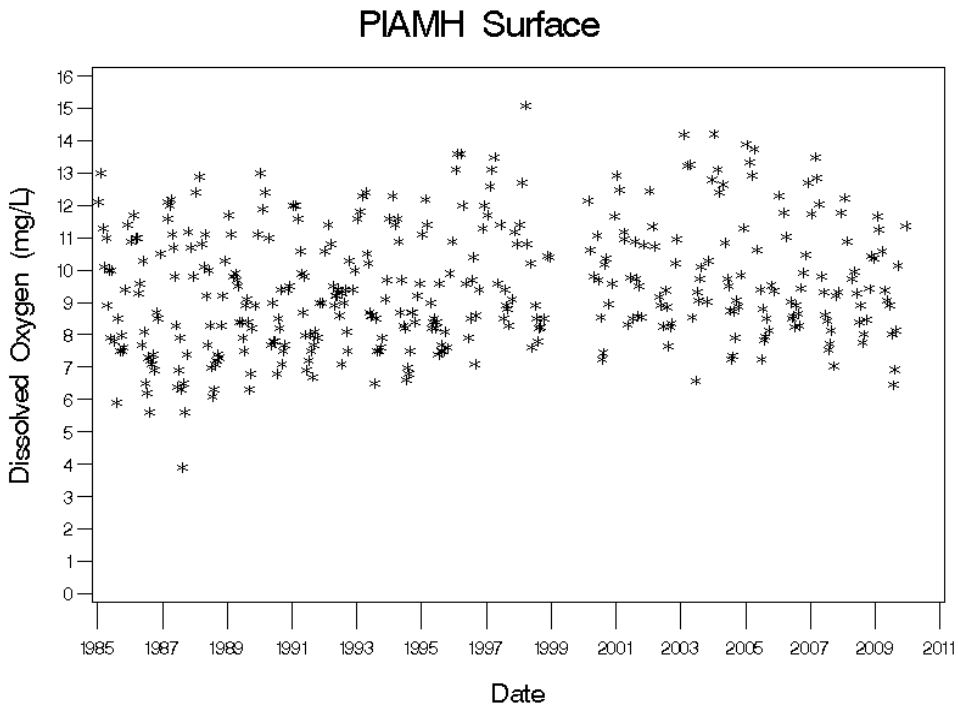


Figure 68. Scatterplot of surface dissolved oxygen at segment PIAMH during the period 1985 to 2009.

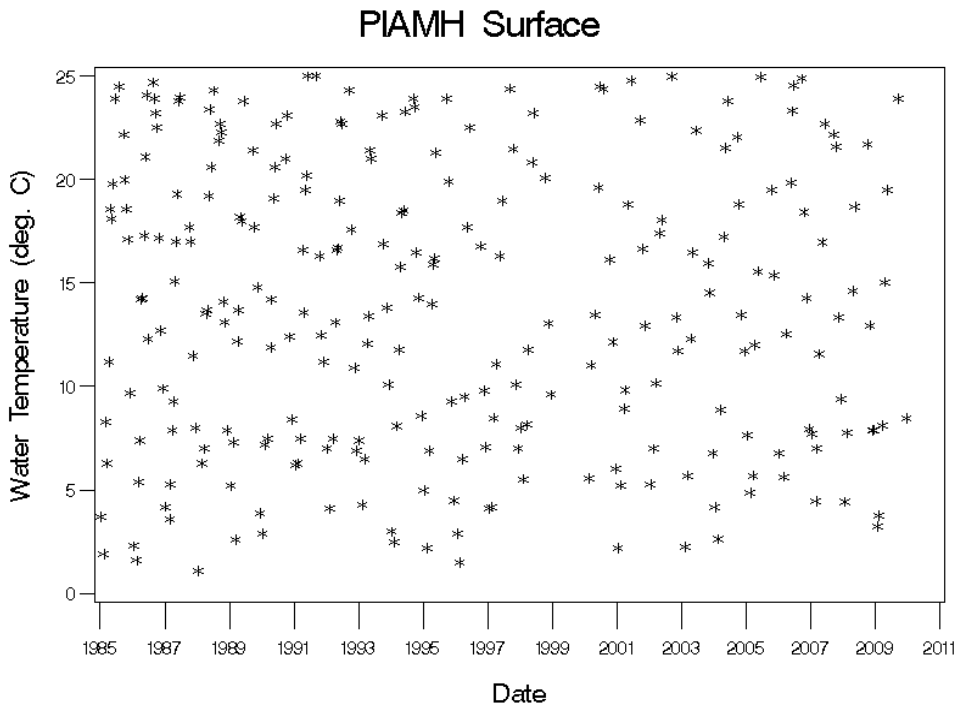


Figure 69. Scatterplot of surface water temperature at segment PIAMH during the period 1985 to 2009.

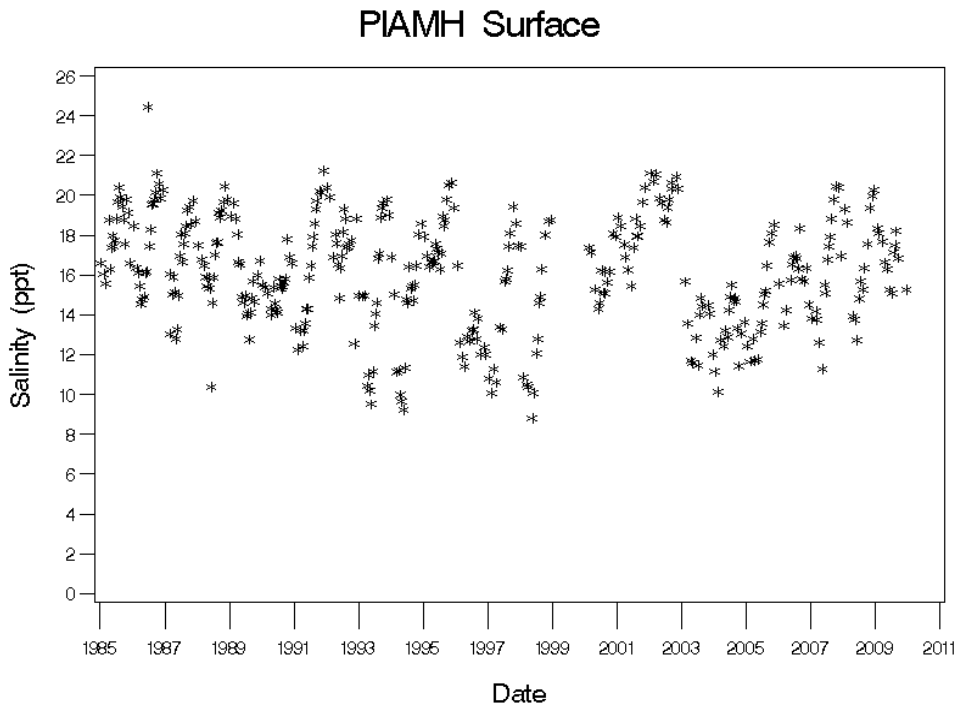


Figure 70. Scatterplot of surface salinity at segment PIAMH during the period 1985 to 2009.

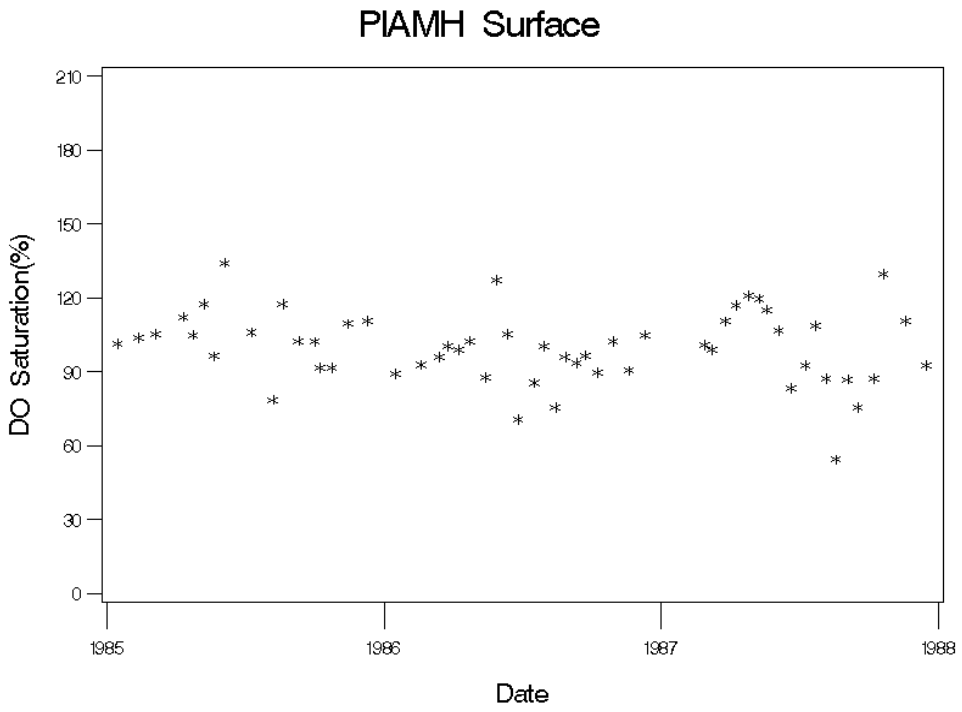
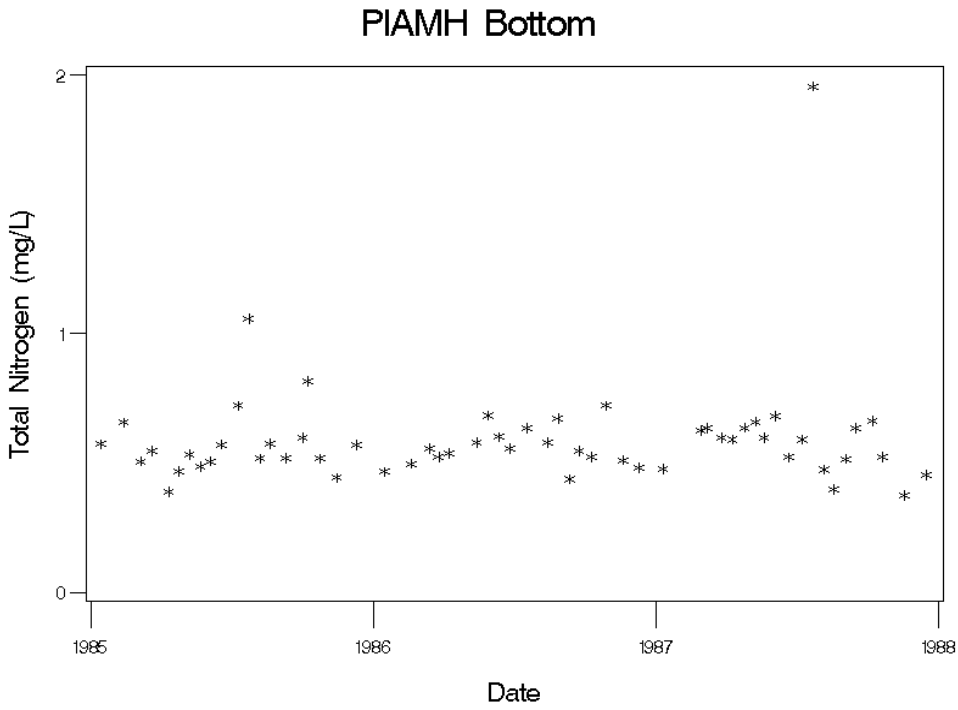


Figure 71. Scatterplot of surface DO saturation at segment PIAMH during the period 1985 to 2009.

a) Pre-method change period



b) Post-method change period

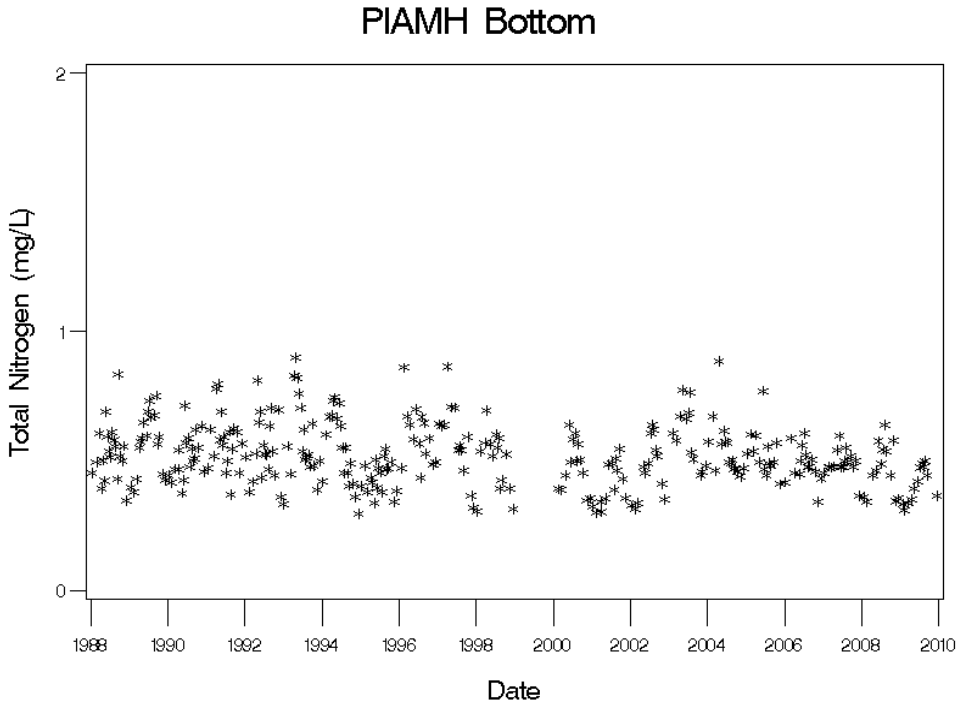
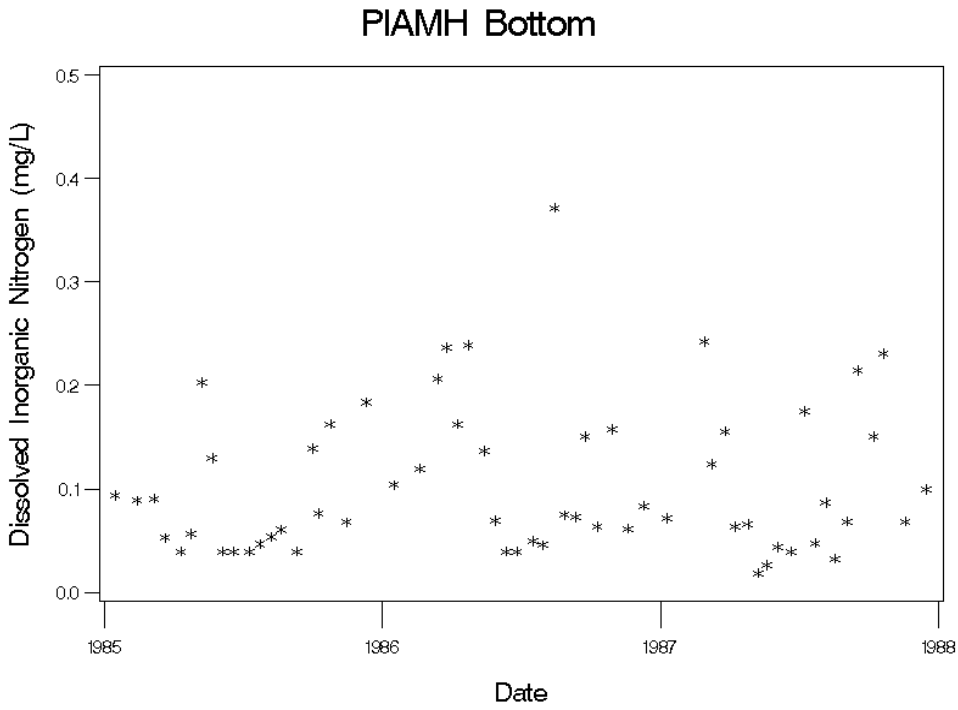


Figure 72. Scatterplots of bottom total nitrogen at segment PIAMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

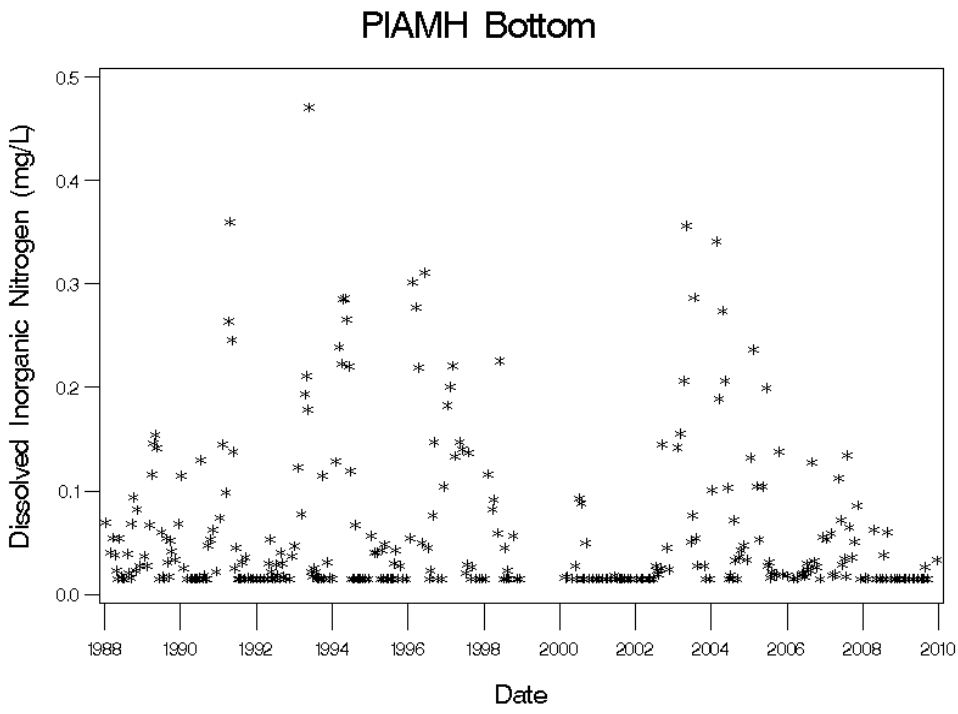
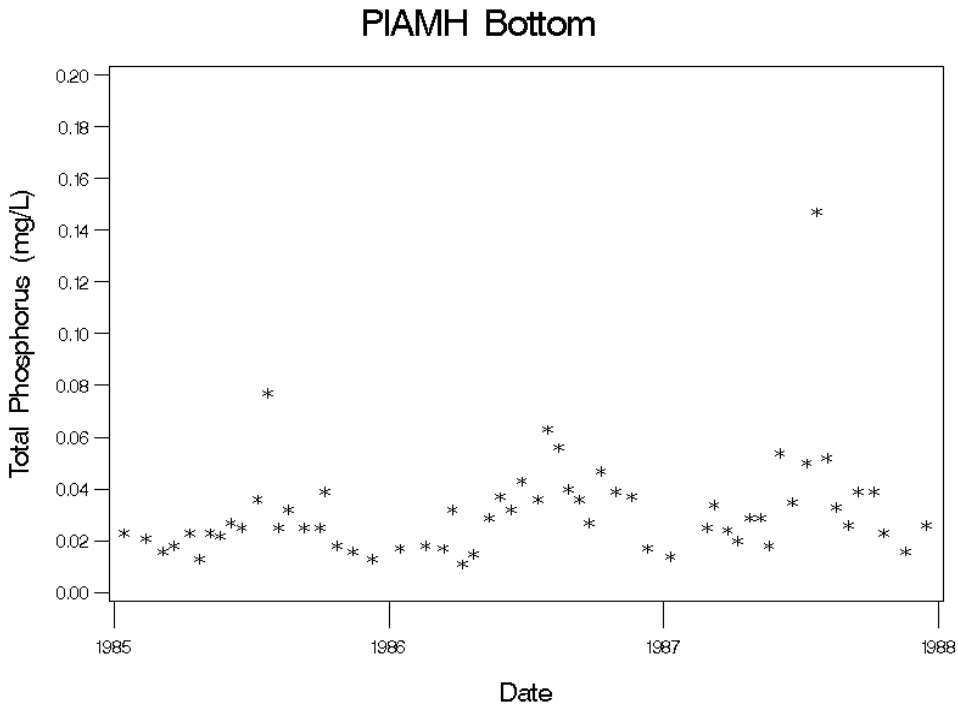


Figure 73. Scatterplots of bottom dissolved inorganic nitrogen at segment PIAMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

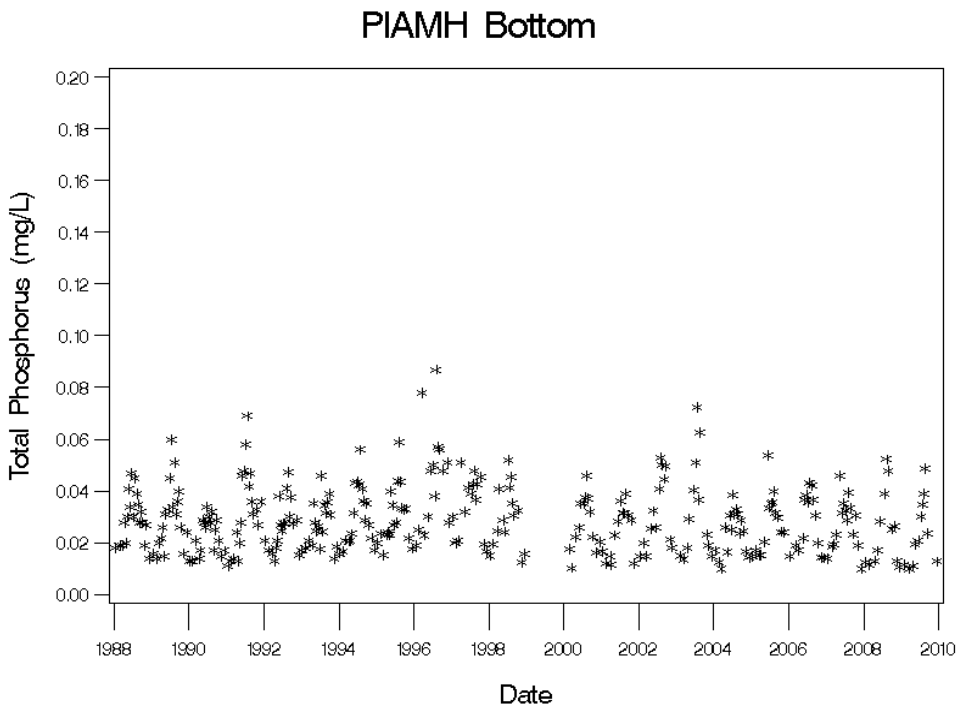
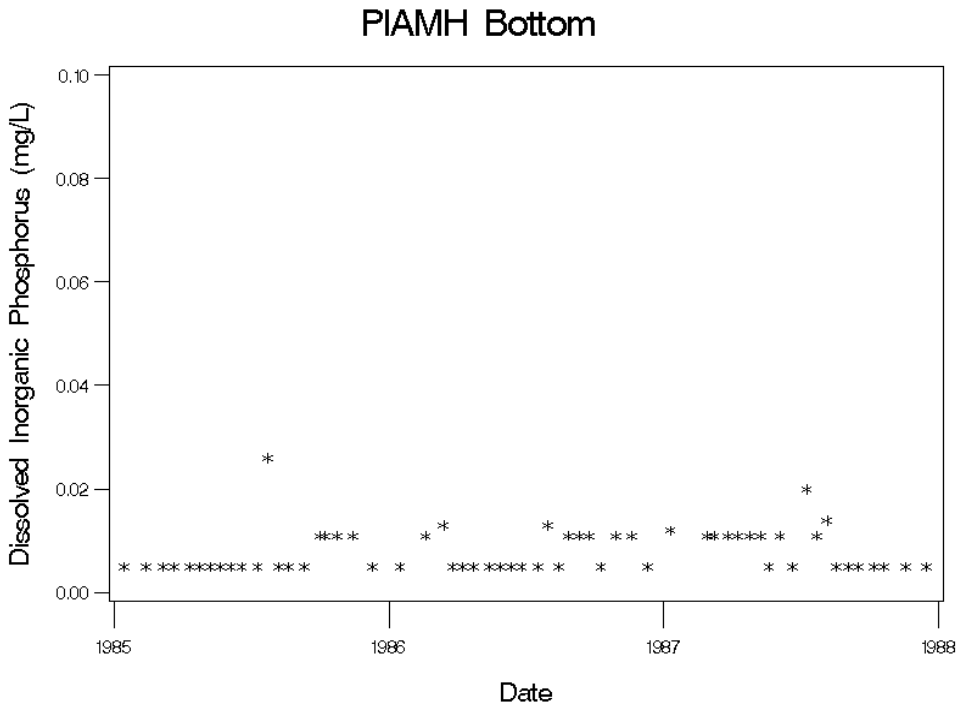


Figure 74. Scatterplots of bottom total phosphorus at segment PIAMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

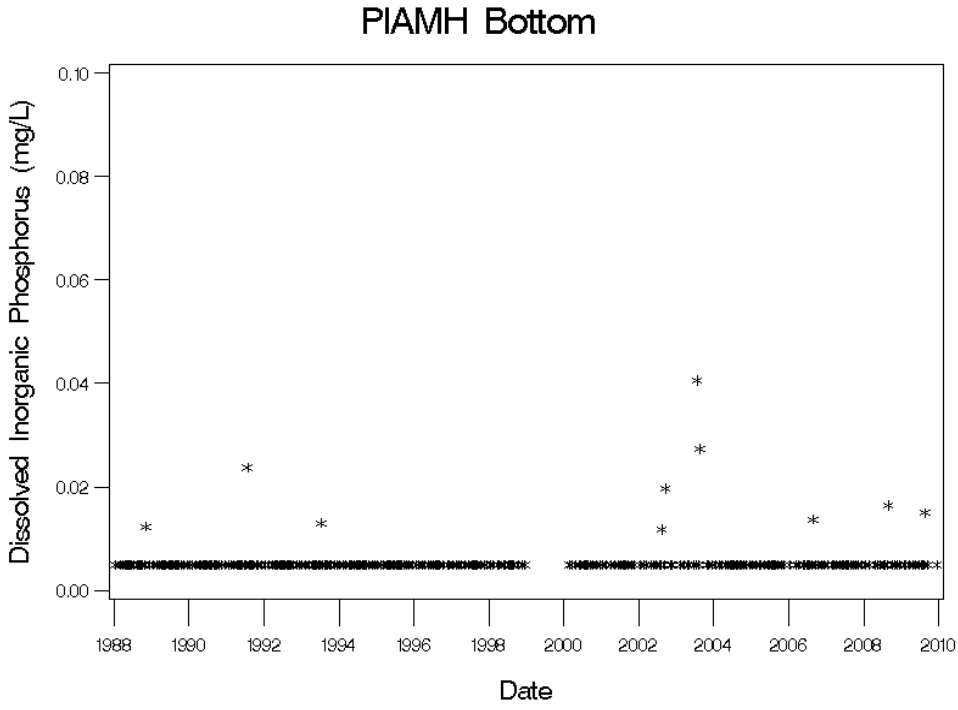


Figure 75. Scatterplots of bottom dissolved inorganic phosphorus at segment PIAMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

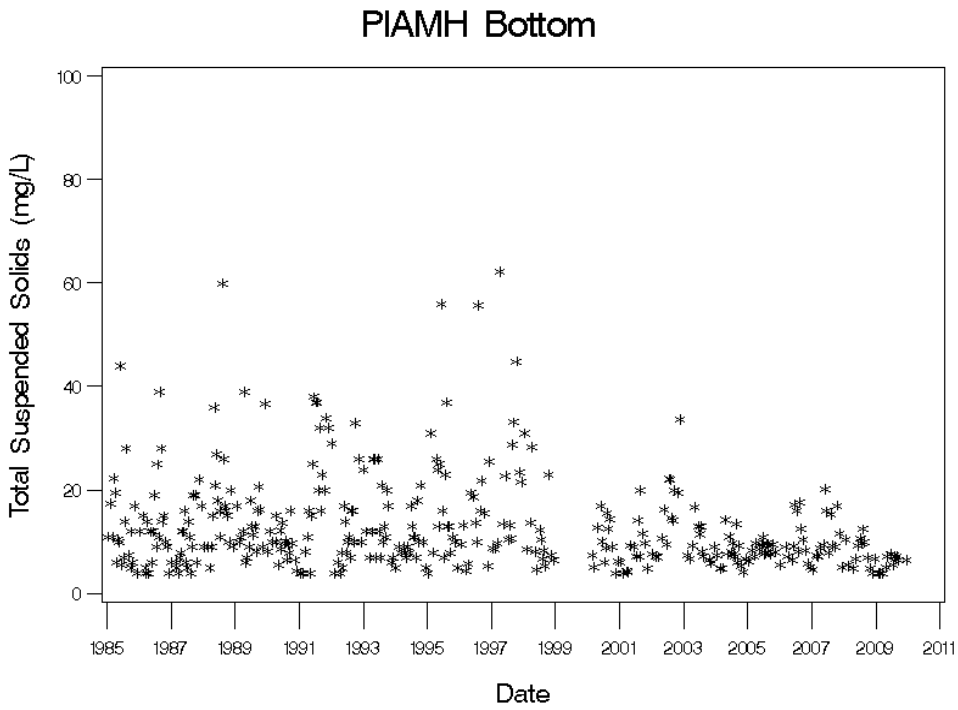


Figure 76. Scatterplot of bottom total suspended solids at segment PIAMH during the period 1985 to 2009.

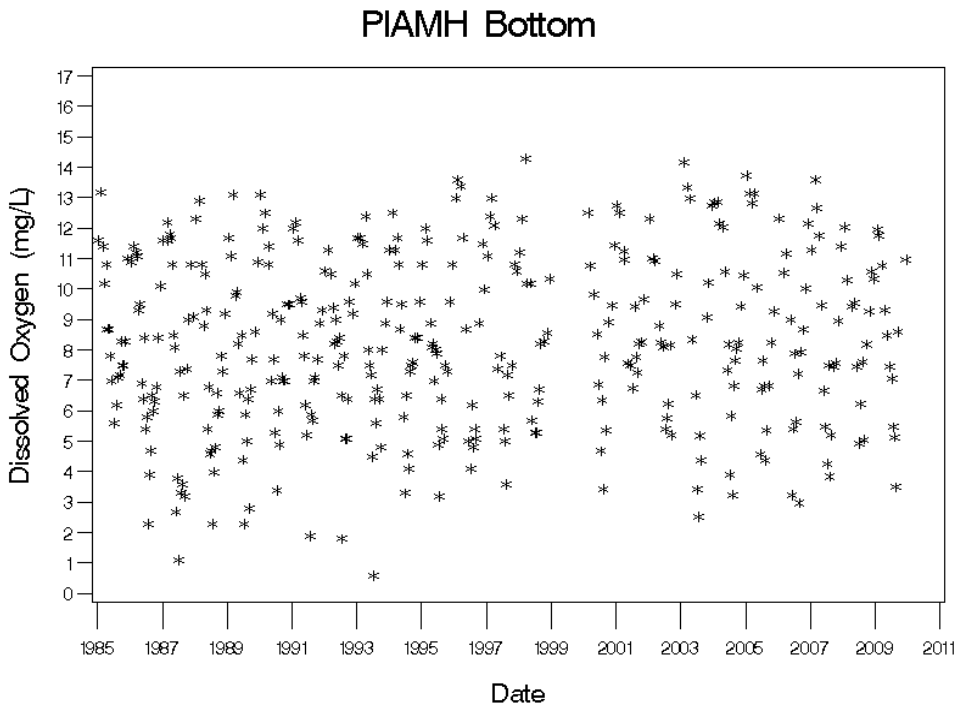


Figure 77. Scatterplot of bottom dissolved oxygen at segment PIAMH during the period 1985 to 2009.

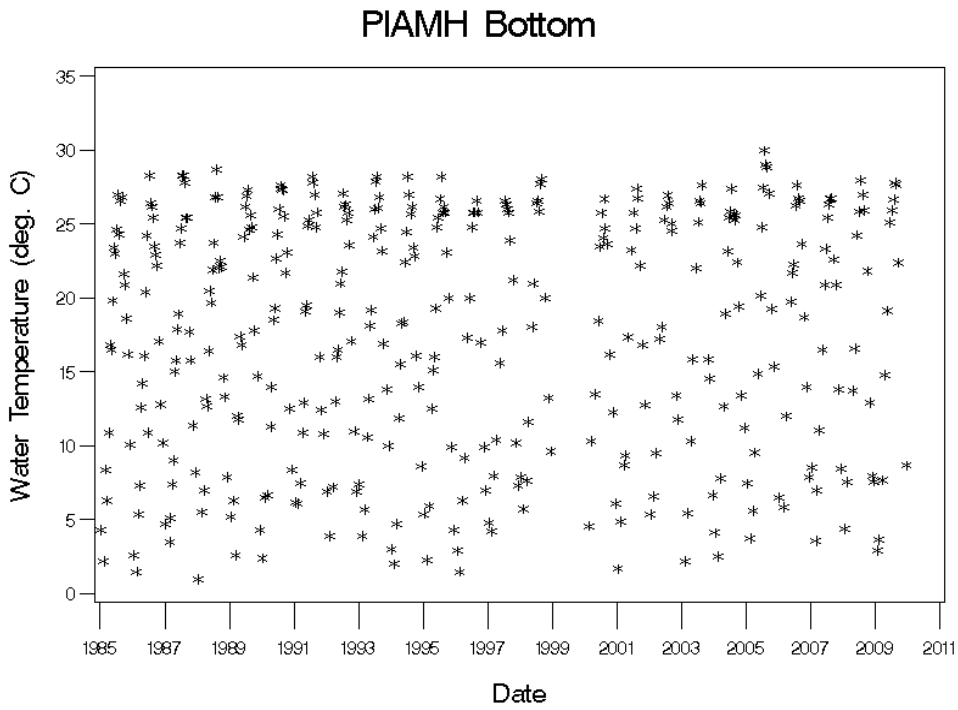


Figure 78. Scatterplot of bottom water temperature at segment PIAMH during the period 1985 to 2009.

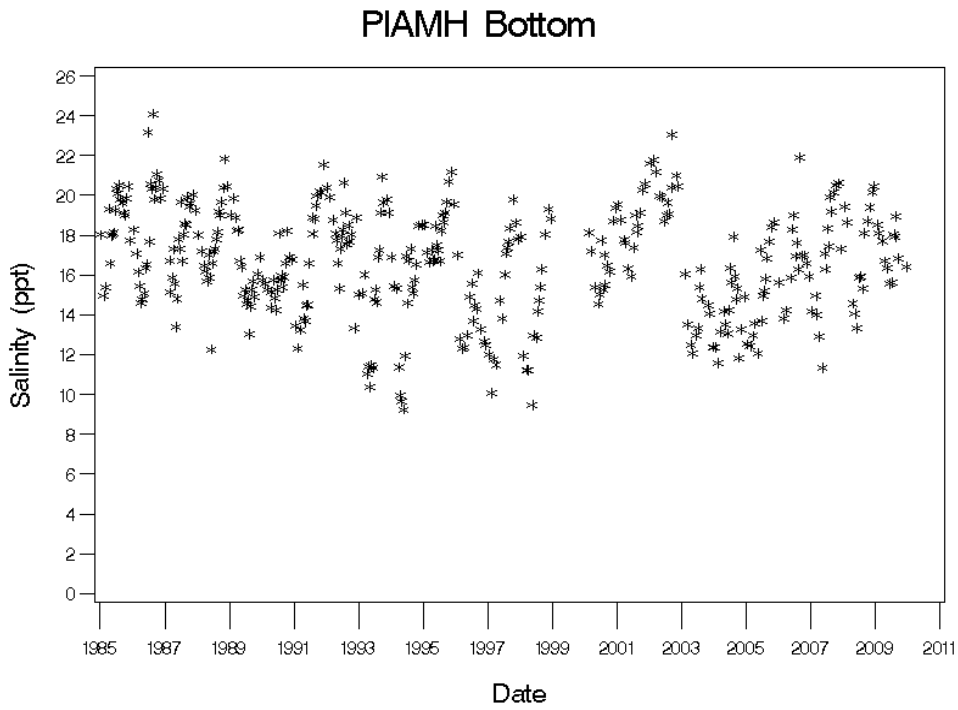


Figure 79. Scatterplot of bottom salinity at segment PIAMH during the period 1985 to 2009.

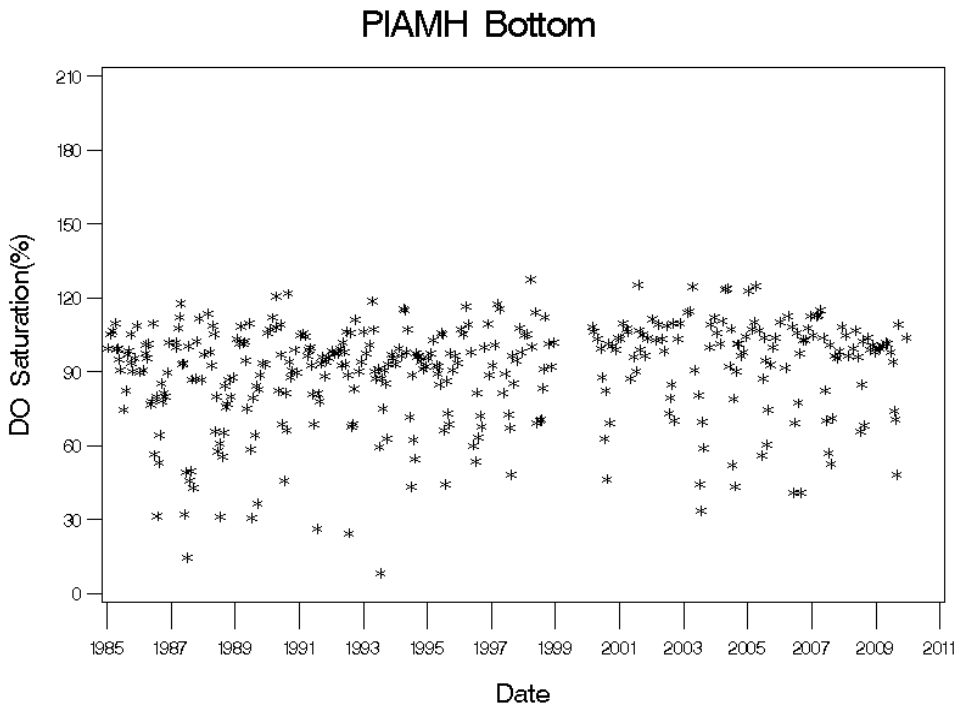
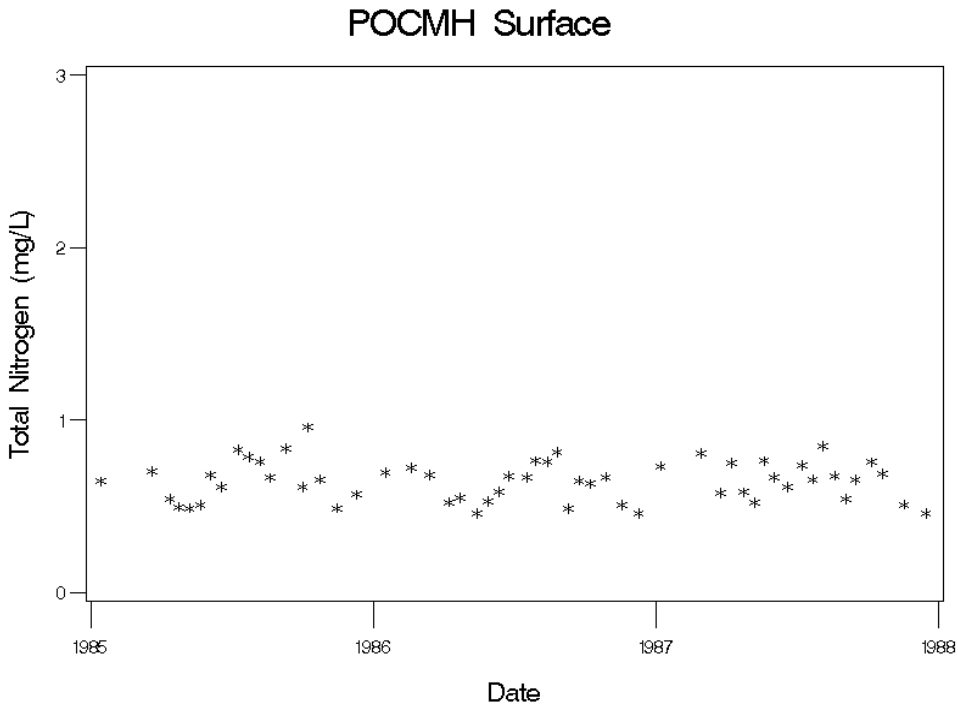


Figure 80. Scatterplot of bottom DO saturation at segment PIAMH during the period 1985 to 2009.

a) Pre-method change period



b) Post-method change period

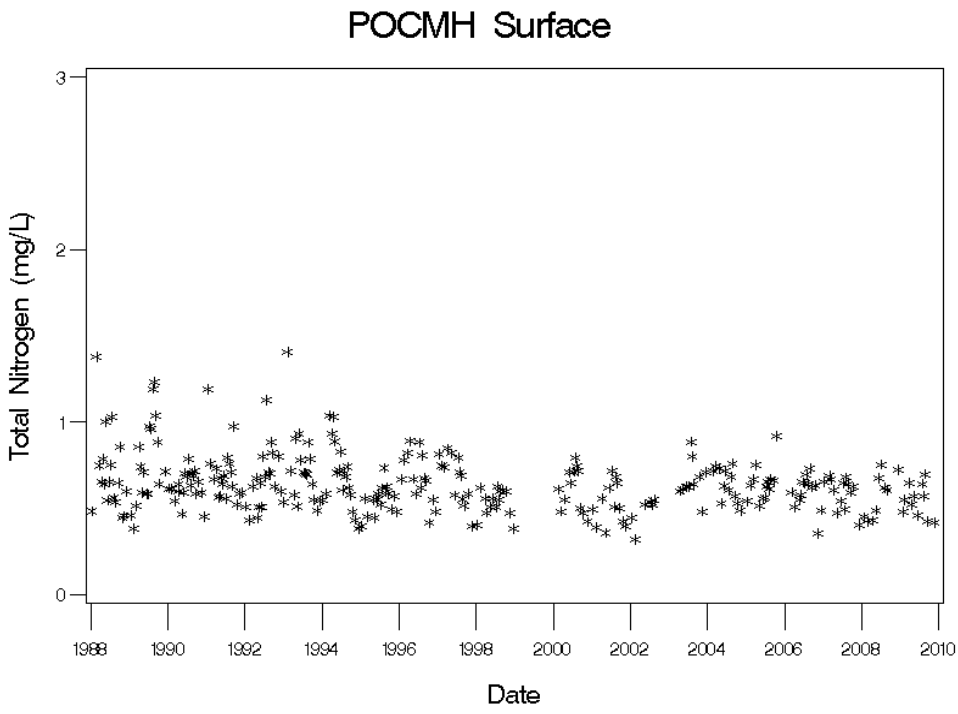
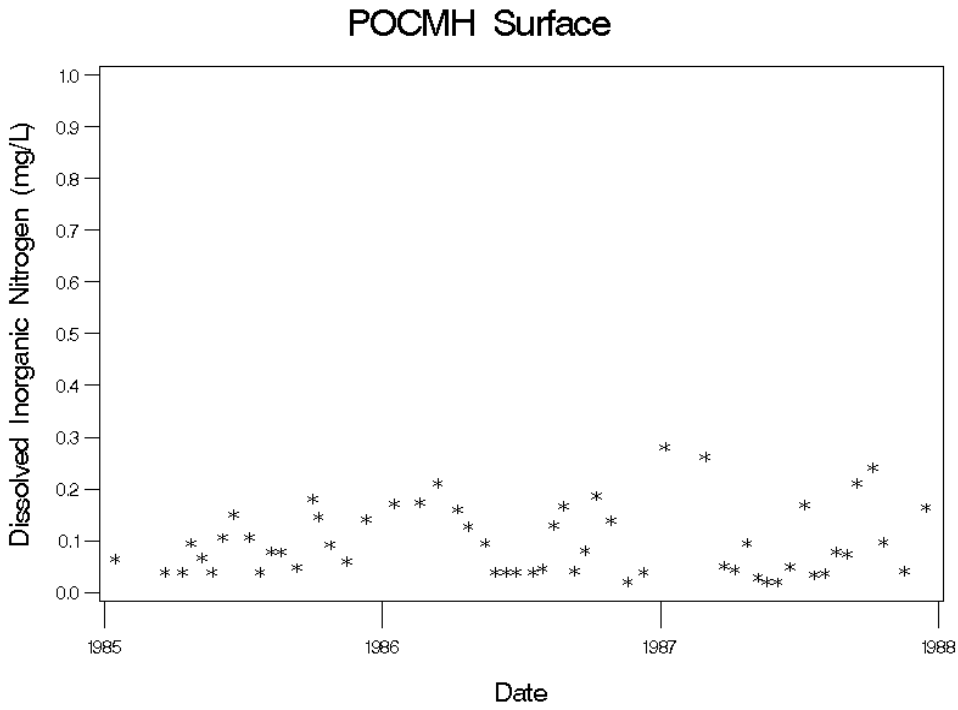


Figure 81. Scatterplots of surface total nitrogen at segment POCMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

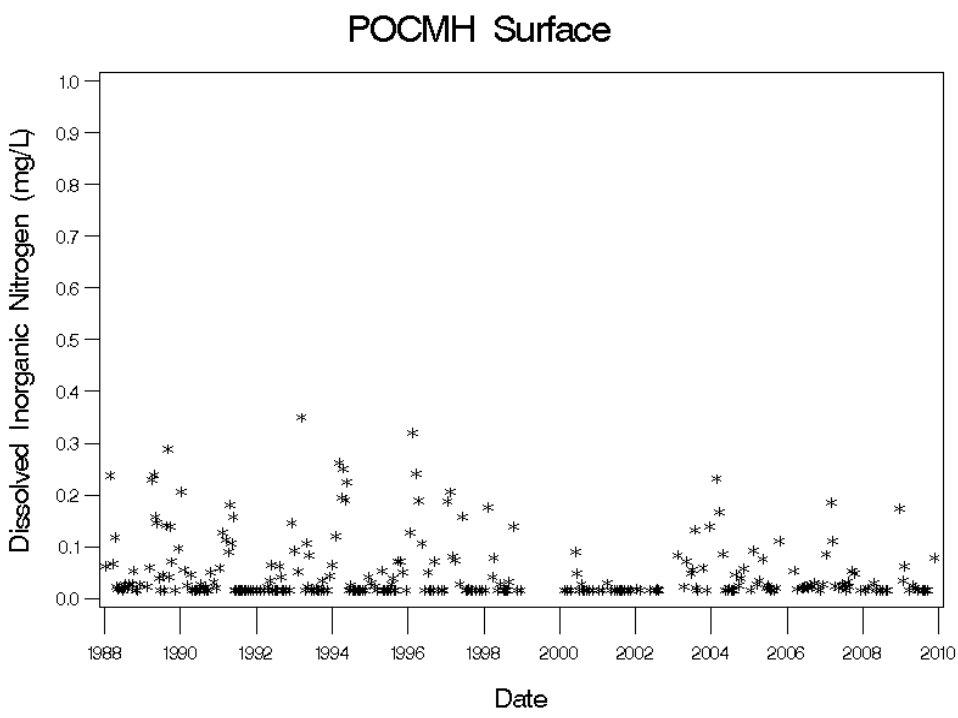
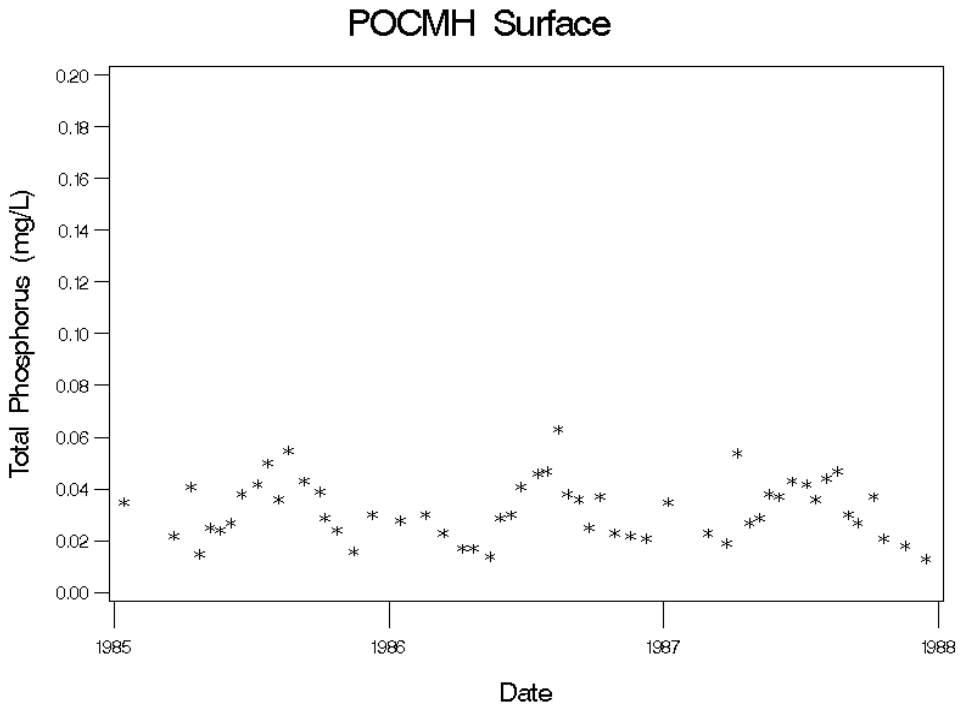


Figure 82. Scatterplots of surface dissolved inorganic nitrogen at segment POCMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

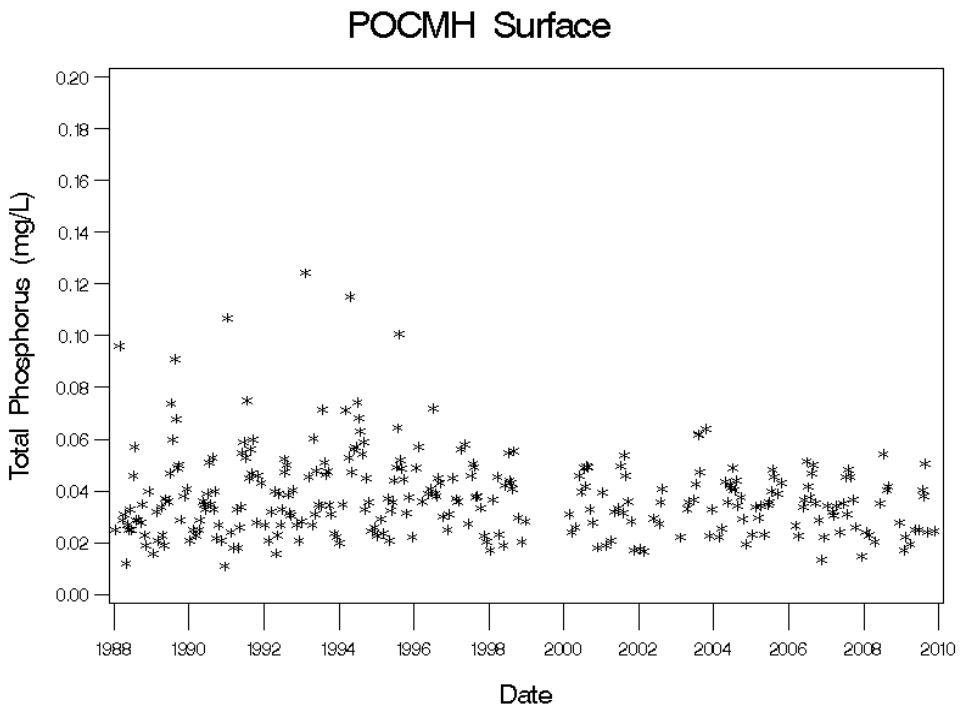
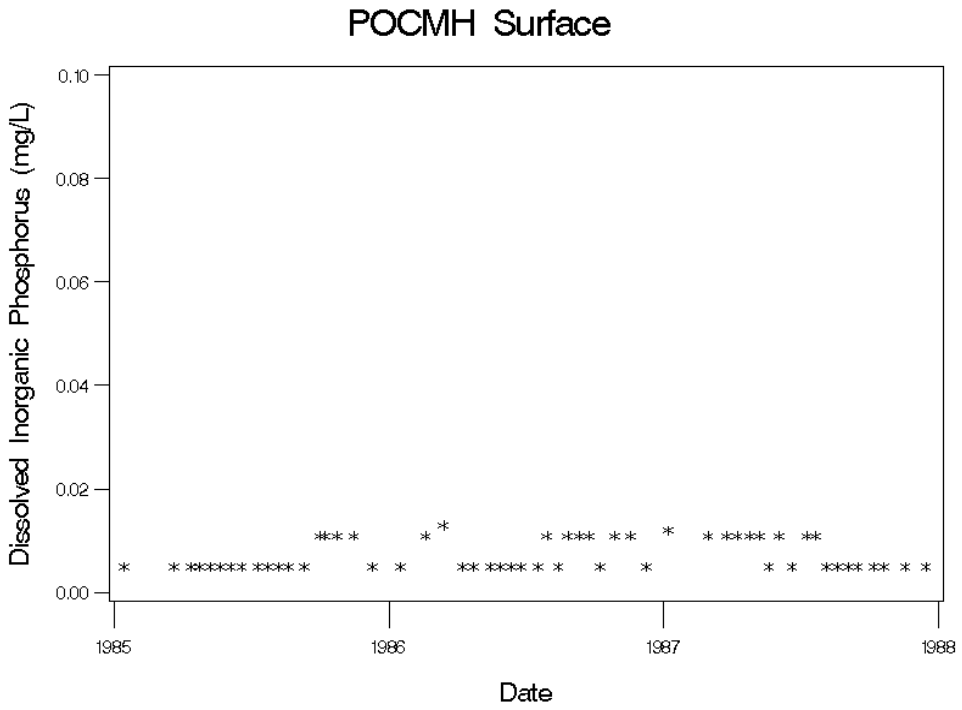


Figure 83. Scatterplots of surface total phosphorus at segment POCMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

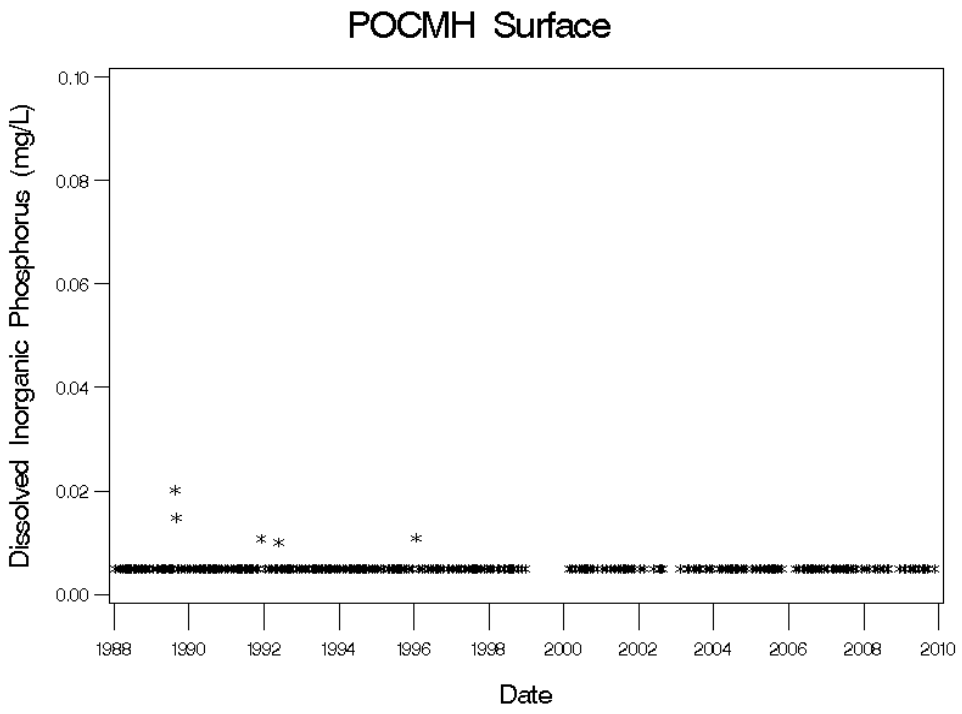


Figure 84. Scatterplots of surface dissolved inorganic phosphorus at segment POCMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

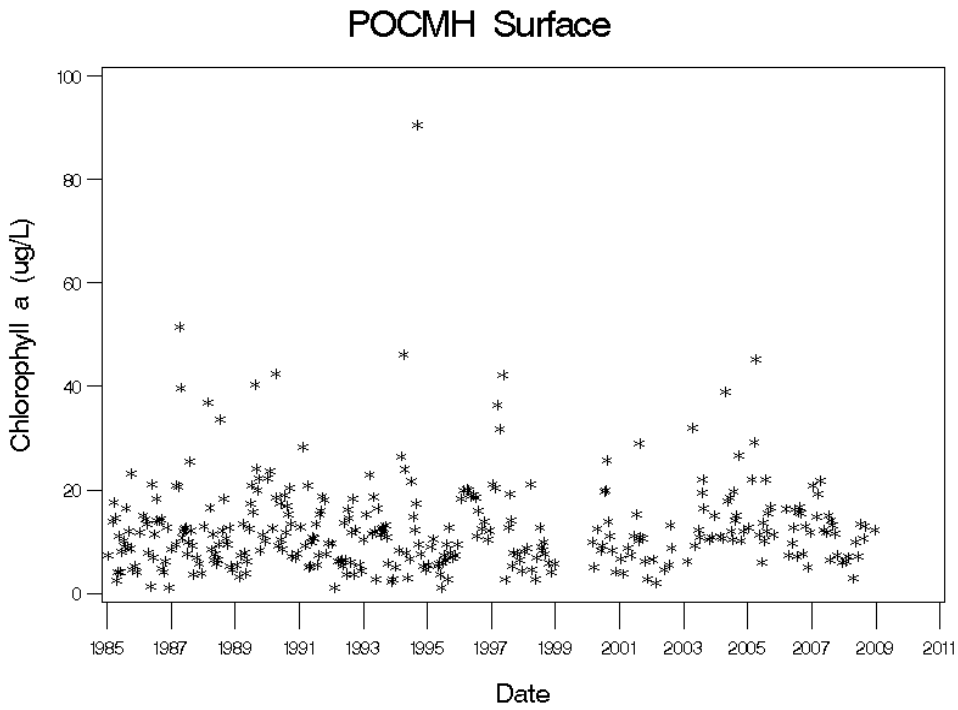


Figure 85. Scatterplot of surface chlorphyll a at segment POCMH during the period 1985 to 2009.

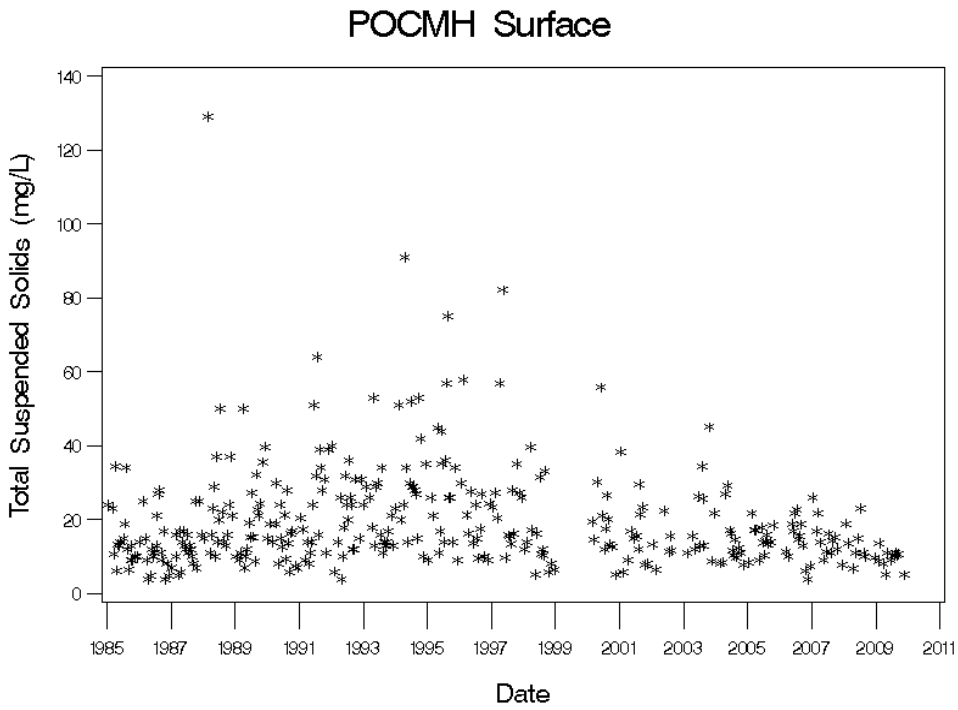


Figure 86. Scatterplot of surface total suspended solids at segment POCMH during the period 1985 to 2009.

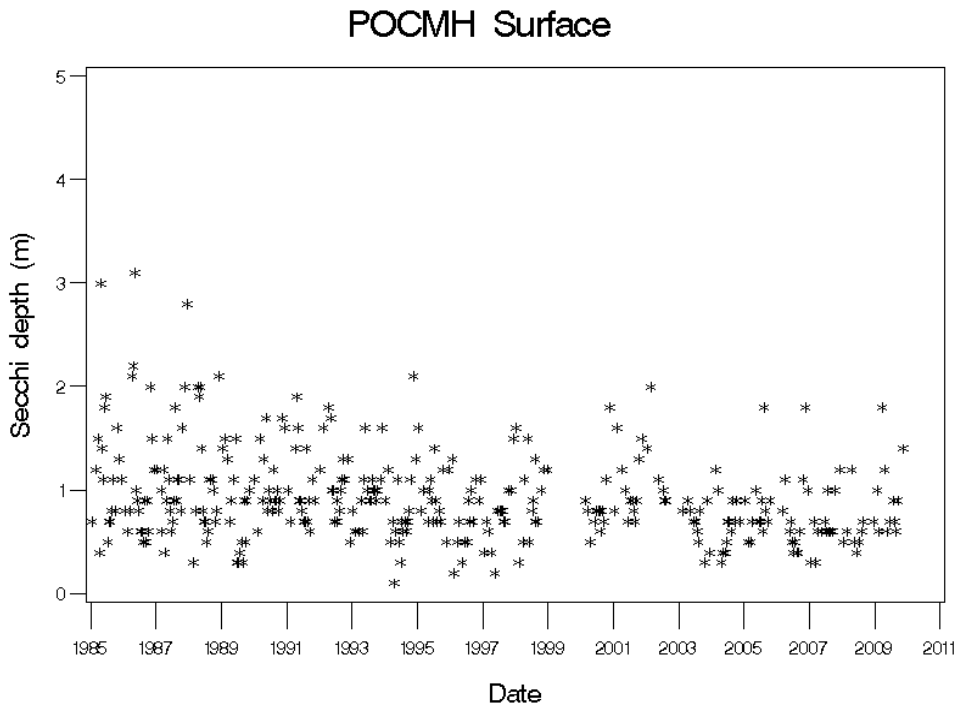


Figure 87. Scatterplot of secchi depth at segment POCMH during the period 1985 to 2009.

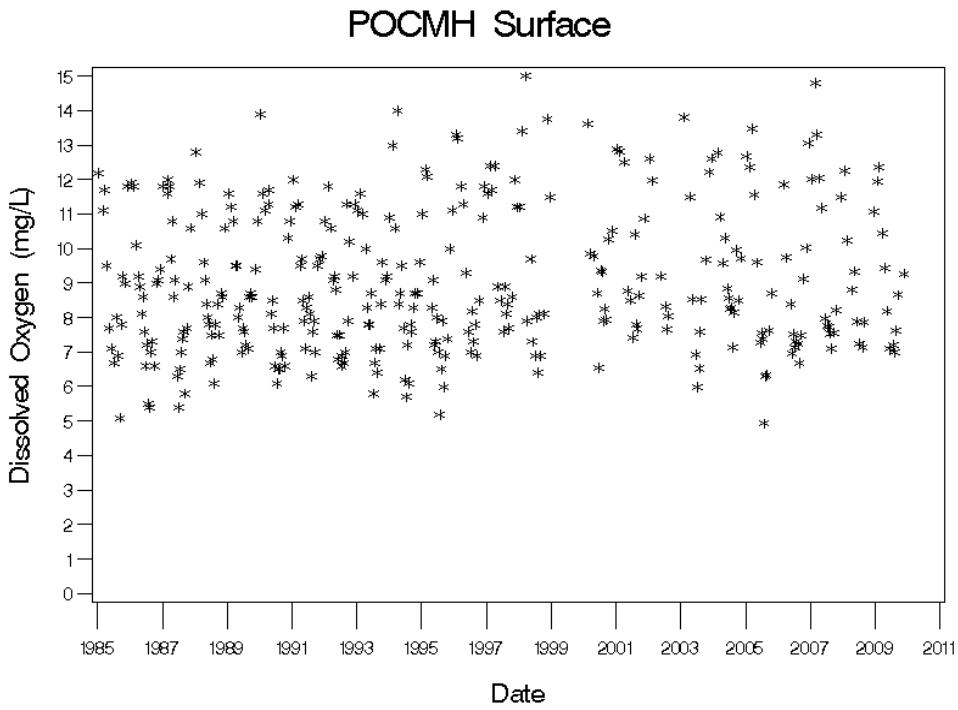


Figure 88. Scatterplot of surface dissolved oxygen at segment POCMH during the period 1985 to 2009.

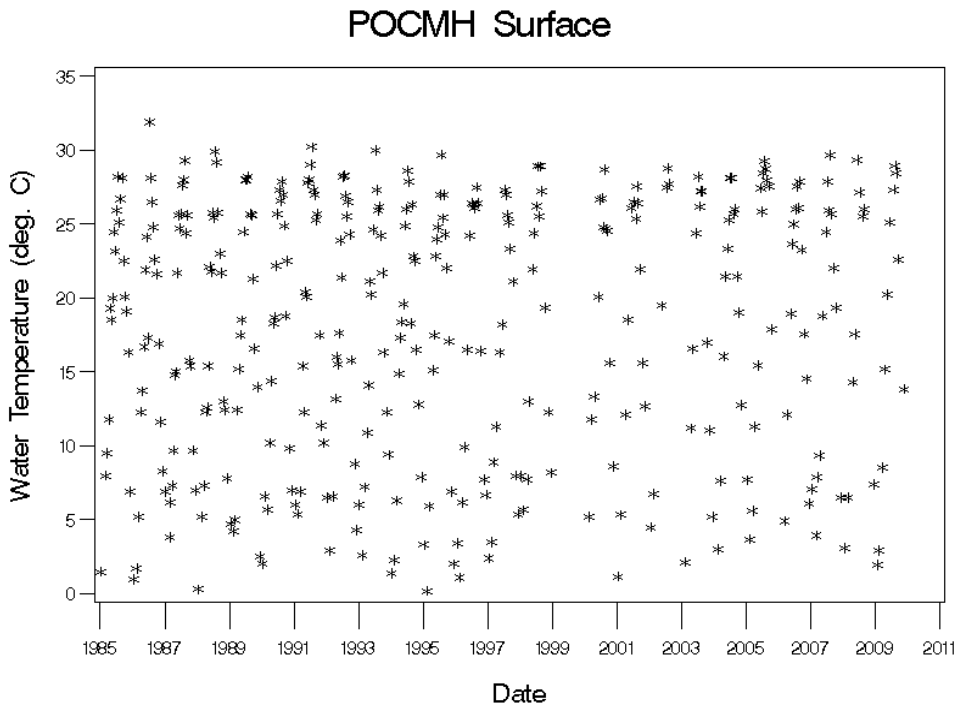


Figure 89. Scatterplot of surface water temperature at segment POCMH during the period 1985 to 2009.

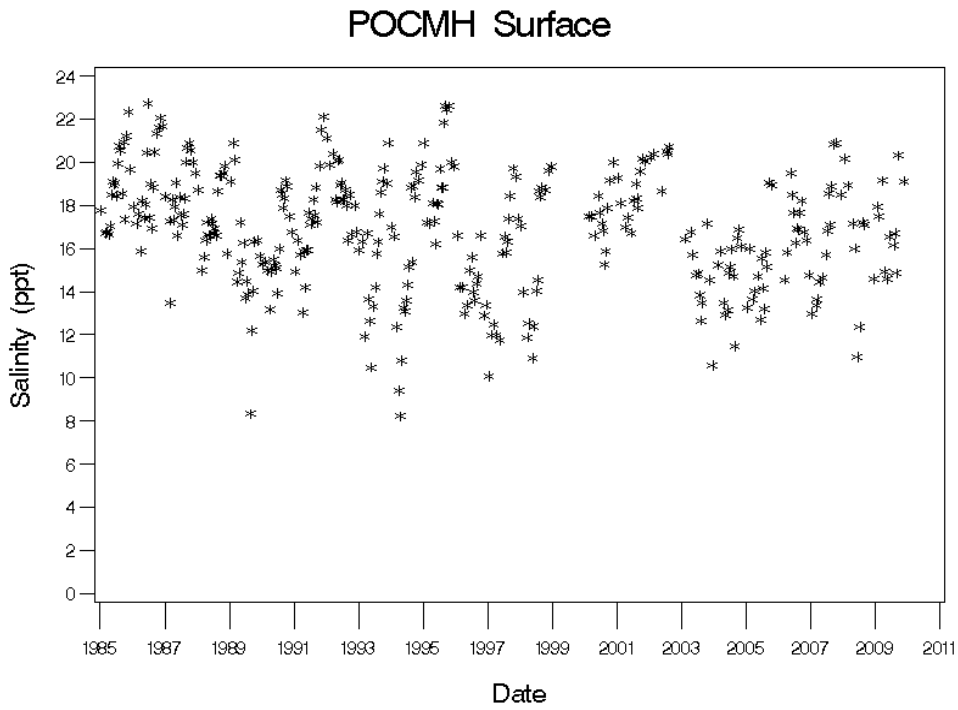


Figure 90. Scatterplot of surface salinity at segment POCMH during the period 1985 to 2009.

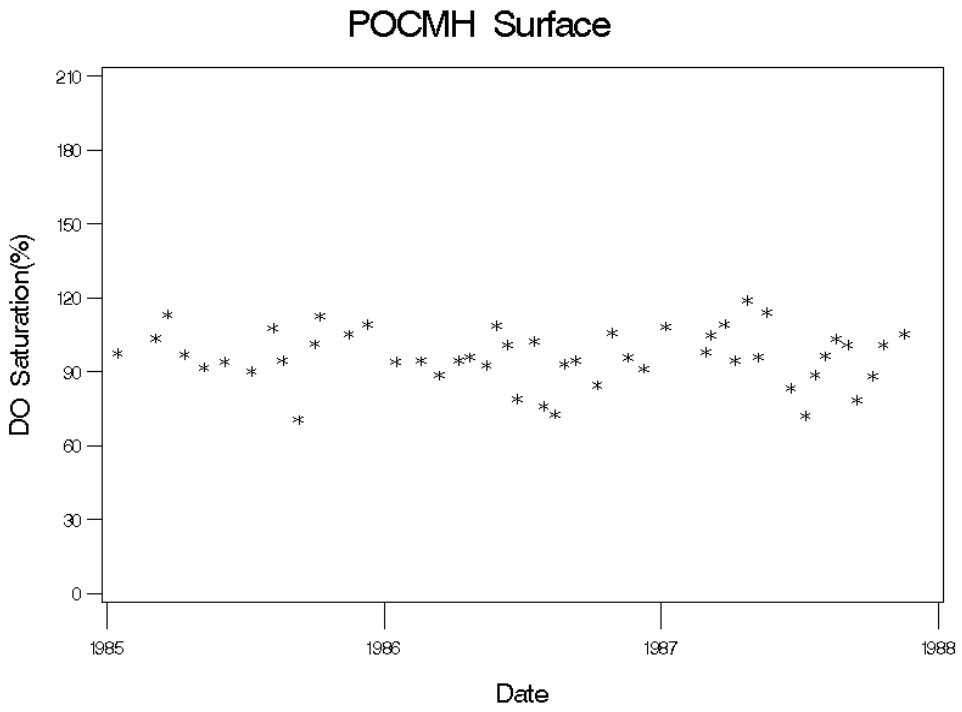
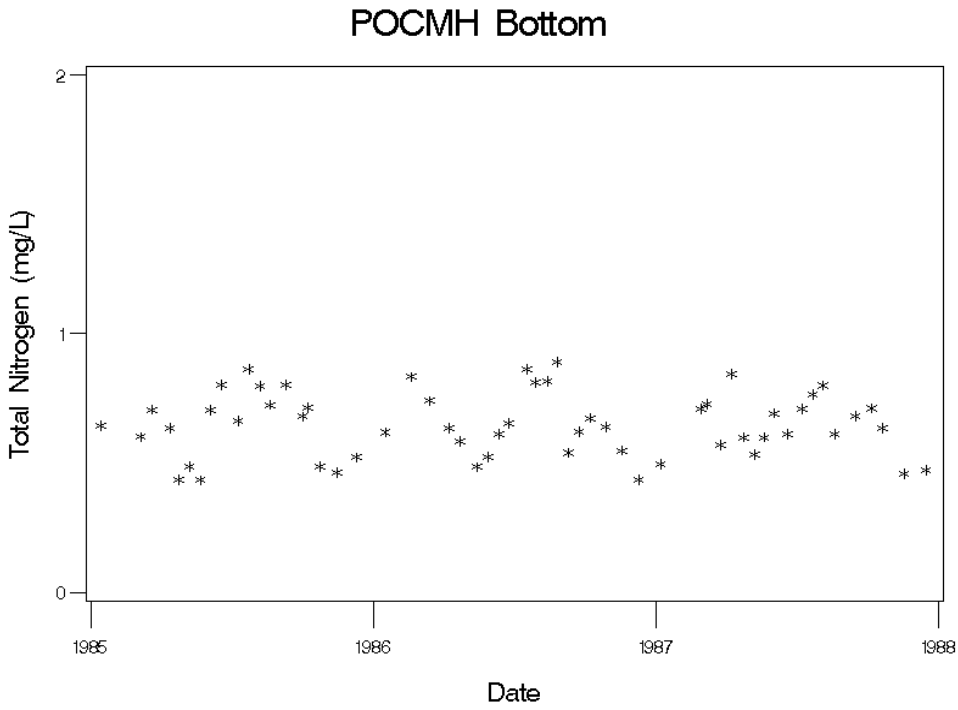


Figure 91. Scatterplot of surface DO saturation at segment POCMH during the period 1985 to 2009.

a) Pre-method change period



b) Post-method change period

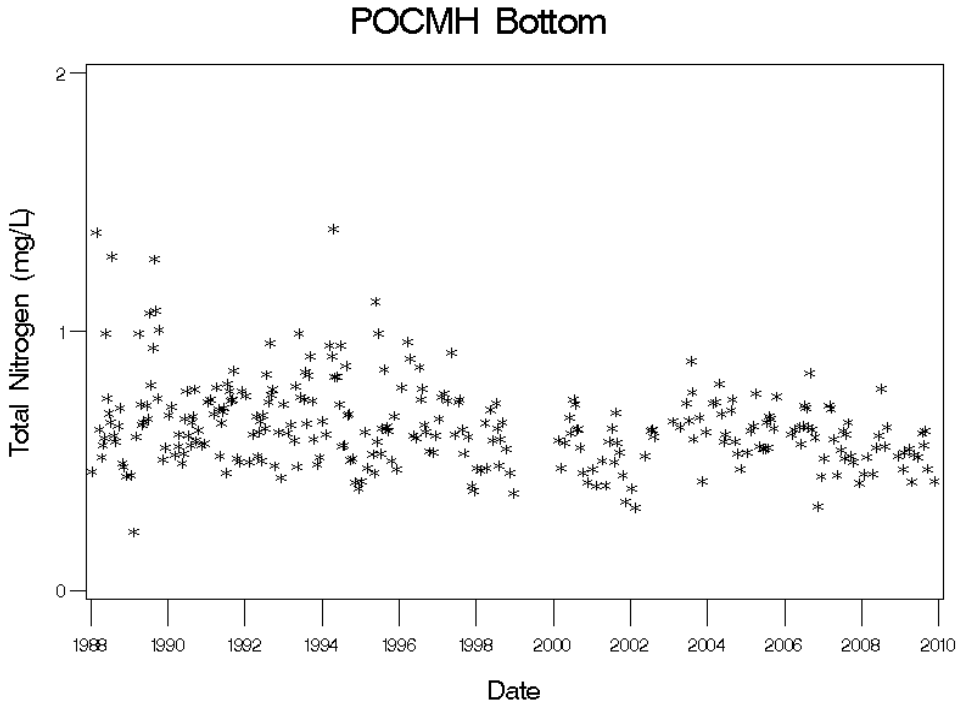
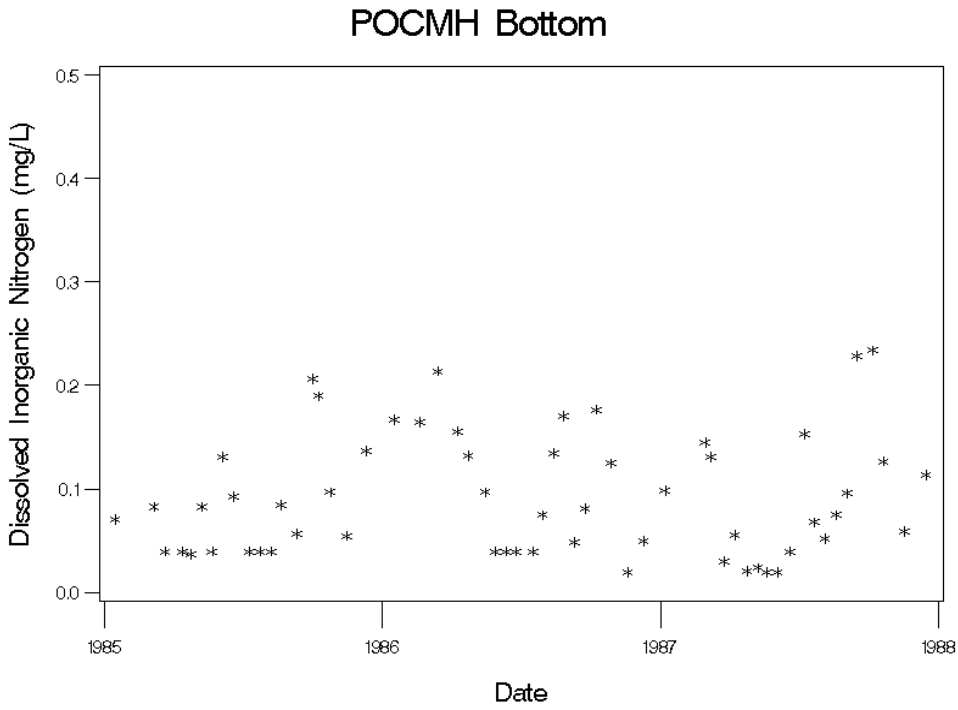


Figure 92. Scatterplots of bottom total nitrogen at segment POCMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

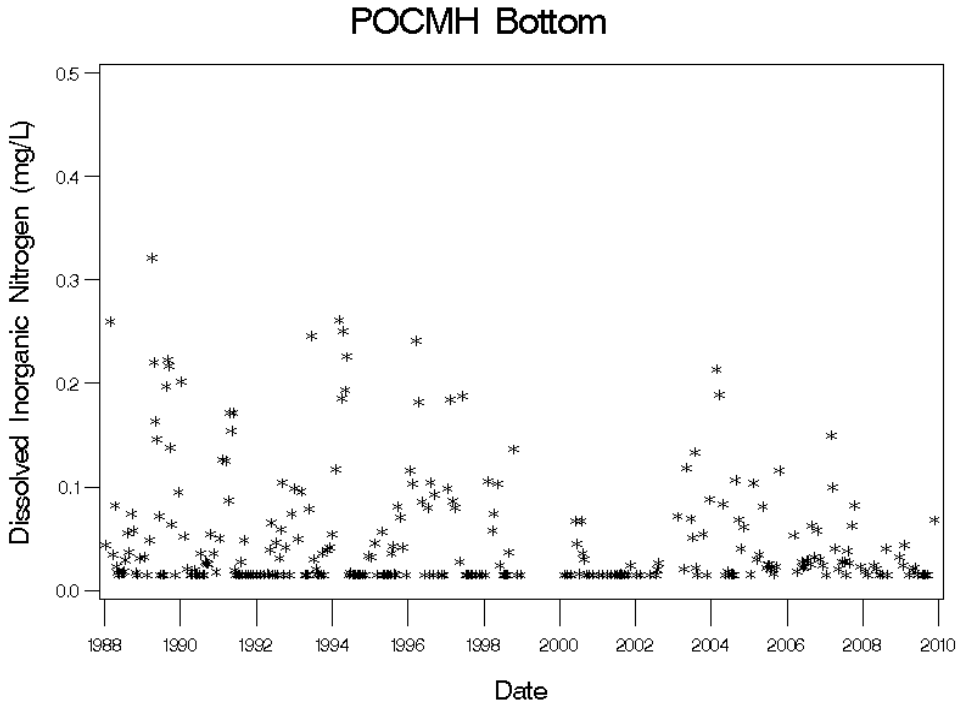
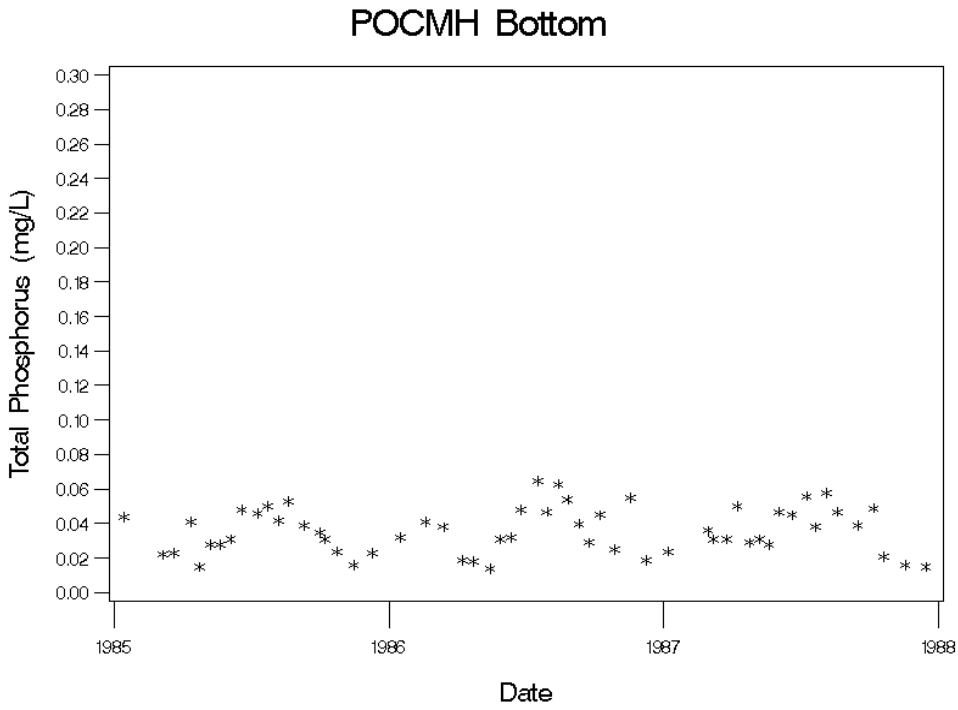


Figure 93. Scatterplots of bottom dissolved inorganic nitrogen at segment POCMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

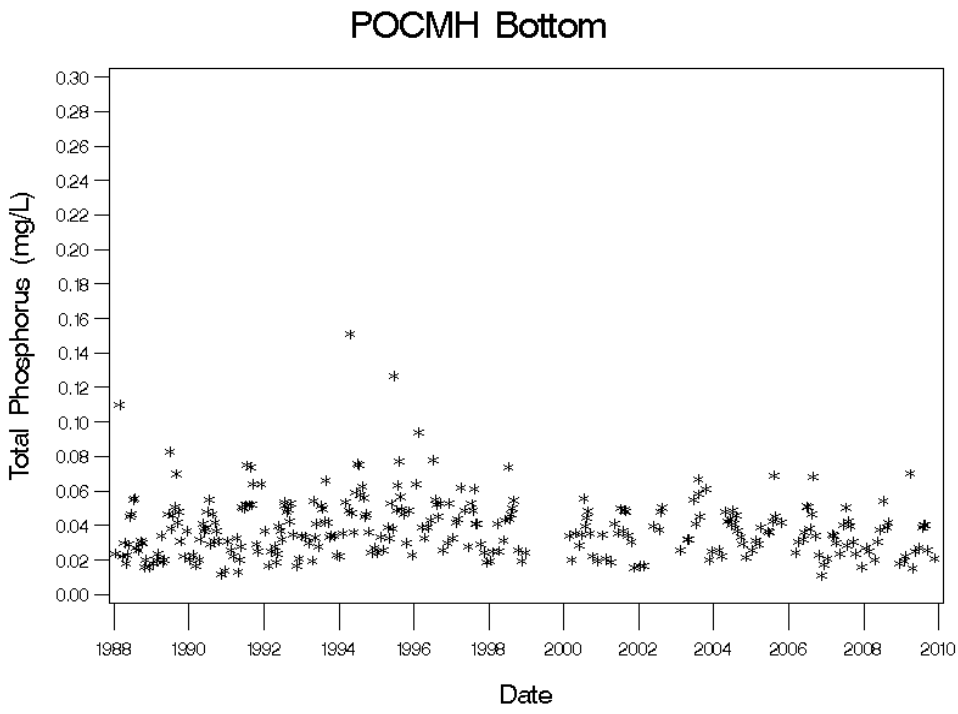
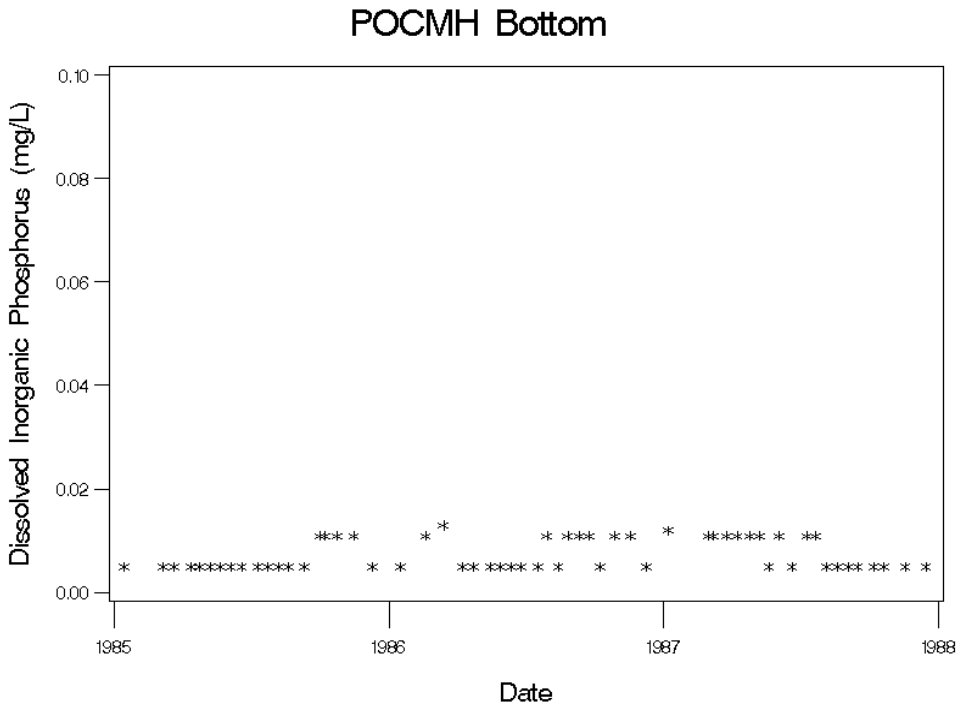


Figure 94. Scatterplots of bottom total phosphorus at segment POCMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

a) Pre-method change period



b) Post-method change period

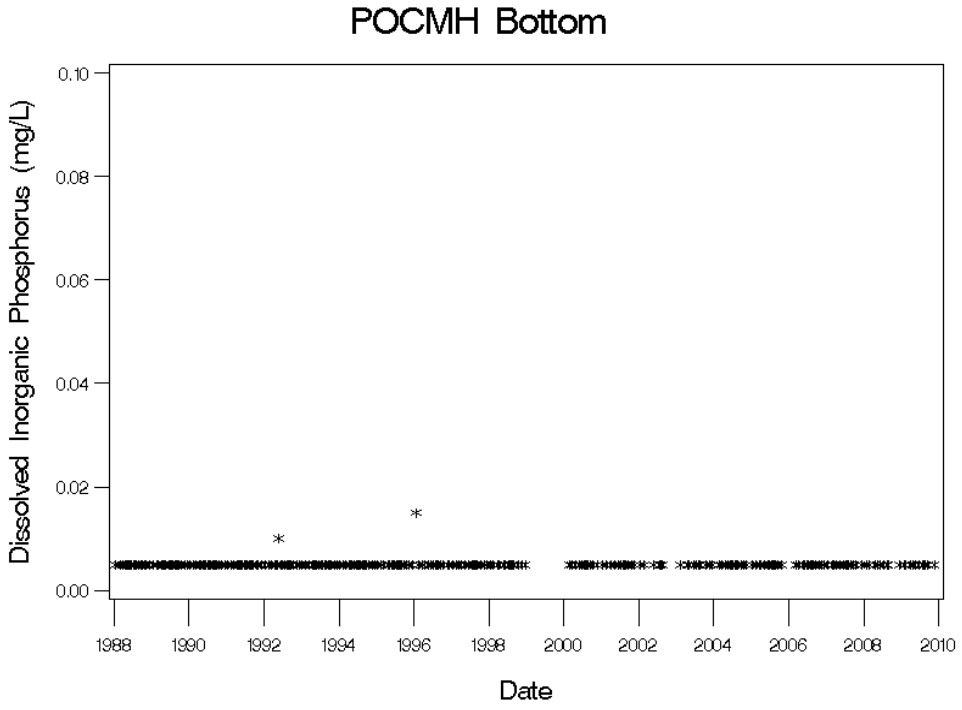


Figure 95. Scatterplots of bottom dissolved inorganic phosphorus at segment POCMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2009) periods.

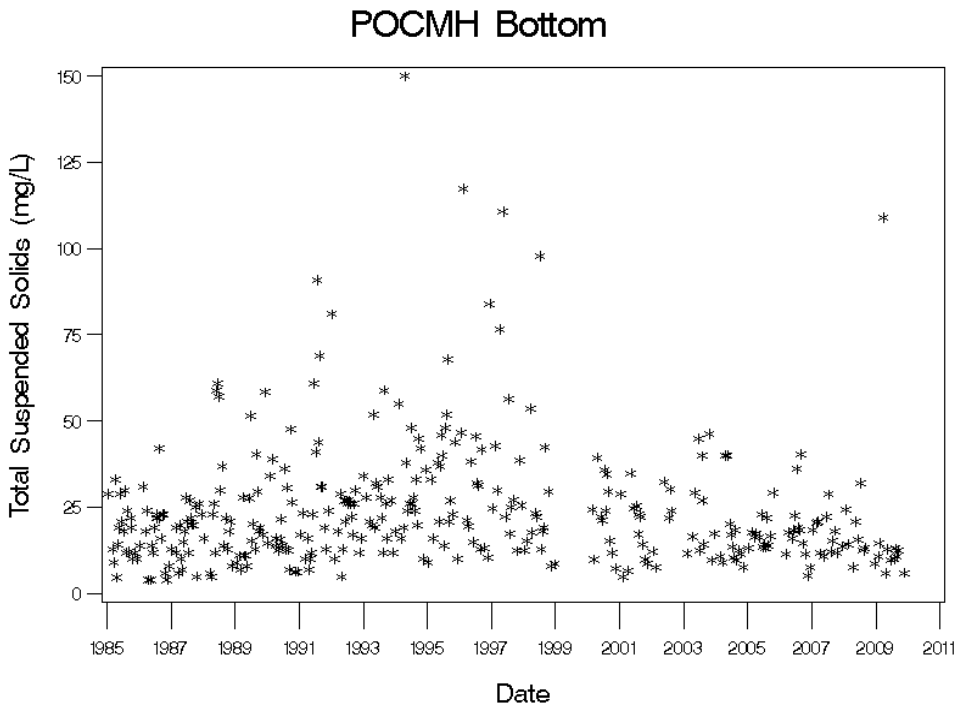


Figure 96. Scatterplot of bottom total suspended solids at segment POCMH during the period 1985 to 2009.

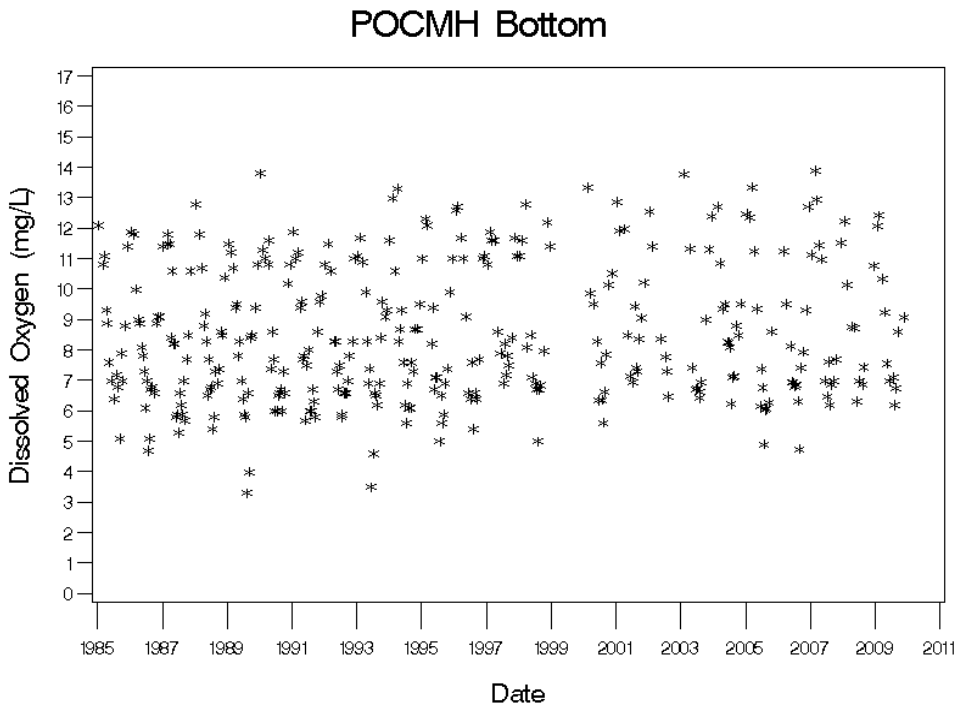


Figure 97. Scatterplot of bottom dissolved oxygen at segment POCMH during the period 1985 to 2009.

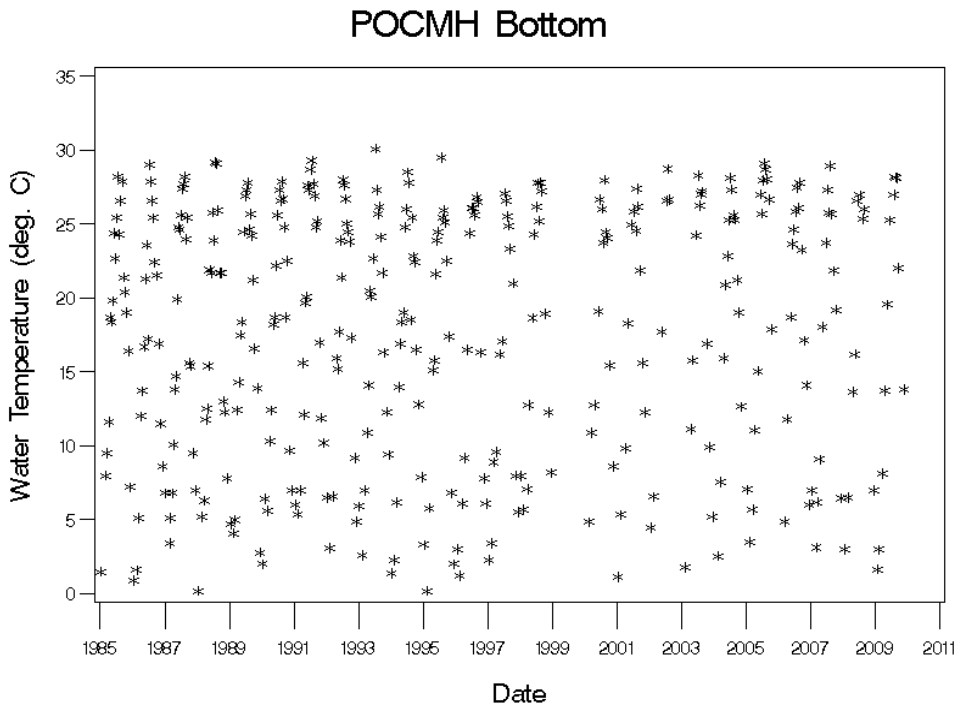


Figure 98. Scatterplot of bottom water temperature at segment POCMH during the period 1985 to 2009.

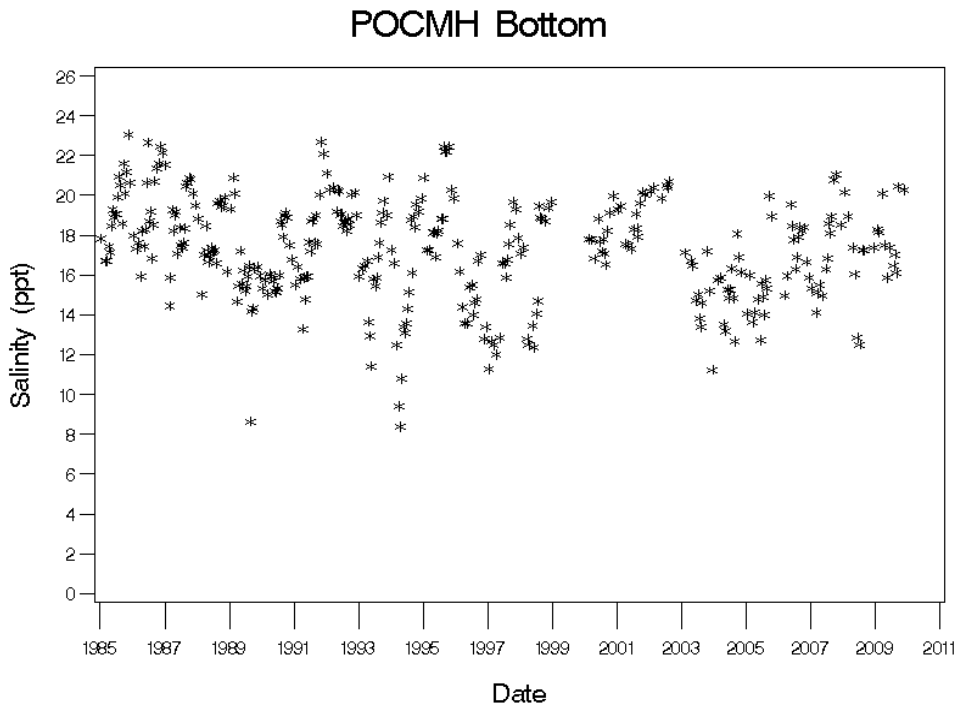


Figure 99. Scatterplot of bottom salinity at segment POCMH during the period 1985 to 2009.

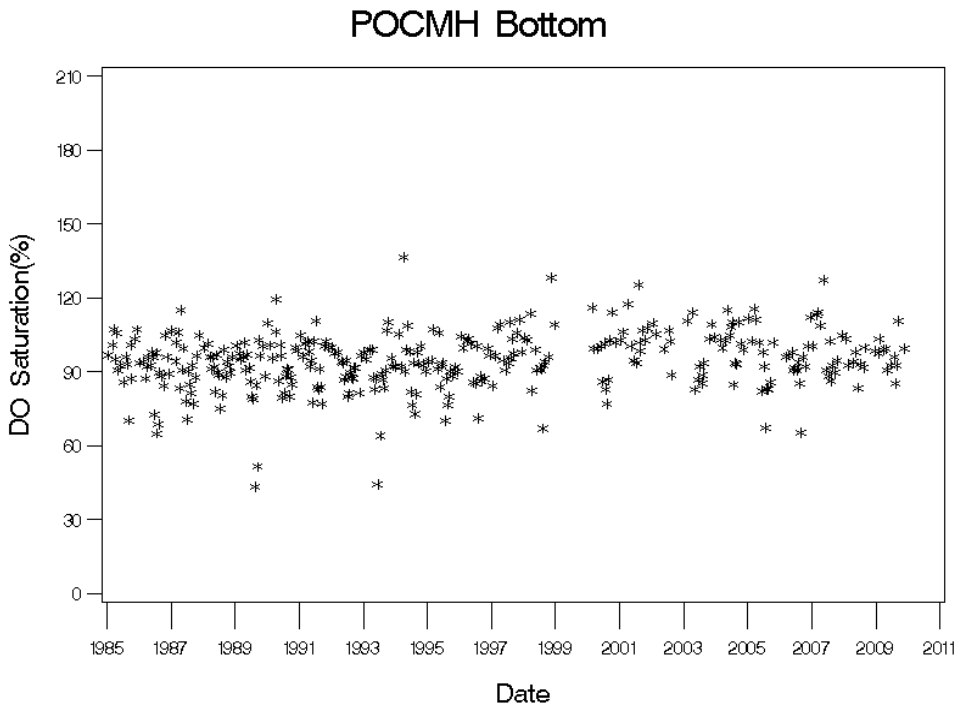


Figure 100. Scatterplot of bottom DO saturation at segment POCMH during the period 1985 to 2009.