

Appendix B – Scatterplots of Water Quality Parameters

Section - III York River

List of Figures

Figure 1. Scatterplots of surface total nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.....	1
Figure 2. Scatterplots of surface dissolved inorganic nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	2
Figure 3. Scatterplots of surface total phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.....	3
Figure 4. Scatterplots of surface dissolved inorganic phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	4
Figure 5. Scatterplot of surface chlorophyll a at segment PMKTF during the period 1985 to 2008.....	5
Figure 6. Scatterplot of surface total suspended solids at segment PMKTF during the period 1985 to 2008.	6
Figure 7. Scatterplot of secchi depth at segment PMKTF during the period 1985 to 2008.....	7
Figure 8. Scatterplot of surface dissolved oxygen at segment PMKTF during the period 1985 to 2008.	8
Figure 9. Scatterplot of surface water temperature at segment PMKTF during the period 1985 to 2008.	9
Figure 10. Scatterplot of surface salinity at segment PMKTF during the period 1985 to 2008.	10
Figure 11. Scatterplots of bottom total nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.....	11
Figure 12. Scatterplots of bottom dissolved inorganic nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	12
Figure 13. Scatterplots of bottom total phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	13
Figure 14. Scatterplots of bottom dissolved inorganic phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	14
Figure 15. Scatterplot of bottom total suspended solids at segment PMKTF during the period 1985 to 2008.	15
Figure 16. Scatterplot of bottom dissolved oxygen at segment PMKTF during the period 1985 to 2008.	16
Figure 17. Scatterplot of bottom water temperature at segment PMKTF during the period 1985 to 2008.	17
Figure 18. Scatterplot of bottom salinity at segment PMKTF during the period 1985 to 2008.....	18

Figure 19. Scatterplots of surface total nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.....	19
Figure 20. Scatterplots of surface dissolved inorganic nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	20
Figure 21. Scatterplots of surface total phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	21
Figure 22. Scatterplots of surface dissolved inorganic phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	22
Figure 23. Scatterplot of surface chlorophyll a at segment PMKOH during the period 1985 to 2008.	23
Figure 24. Scatterplot of surface total suspended solids at segment PMKOH during the period 1985 to 2008.	24
Figure 25. Scatterplot of secchi depth at segment PMKOH during the period 1985 to 2008.	25
Figure 26. Scatterplot of surface dissolved oxygen at segment PMKOH during the period 1985 to 2008.	26
Figure 27. Scatterplot of surface water temperature at segment PMKOH during the period 1985 to 2008.	27
Figure 28. Scatterplot of surface salinity at segment PMKOH during the period 1985 to 2008.	28
Figure 29. Scatterplots of bottom total nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.....	29
Figure 30. Scatterplots of bottom dissolved inorganic nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	30
Figure 31. Scatterplots of bottom total phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	31
Figure 32. Scatterplots of bottom dissolved inorganic phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	32
Figure 33. Scatterplot of bottom total suspended solids at segment PMKOH during the period 1985 to 2008.	33
Figure 34. Scatterplot of bottom dissolved oxygen at segment PMKOH during the period 1985 to 2008.	34
Figure 35. Scatterplot of bottom water temperature at segment PMKOH during the period 1985 to 2008.	35
Figure 36. Scatterplot of bottom salinity at segment PMKOH during the period 1985 to 2008.	36
Figure 37. Scatterplots of surface total nitrogen at segment MPNTF during the a) Pre-method change (1985- 1993) and b) Post-method change (1995-2008) periods.....	37

Figure 38. Scatterplots of surface dissolved inorganic nitrogen at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	38
Figure 39. Scatterplots of surface total phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	39
Figure 40. Scatterplots of surface dissolved inorganic phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	40
Figure 41. Scatterplot of surface chlorophyll a at segment MPNTF during the period 1985 to 2008.	41
Figure 42. Scatterplot of surface total suspended solids at segment MPNTF during the period 1985 to 2008.	42
Figure 43. Scatterplot of secchi depth at segment MPNTF during the period 1985 to 2008.	43
Figure 44. Scatterplot of surface dissolved oxygen at segment MPNTF during the period 1985 to 2008.	44
Figure 45. Scatterplot of surface water temperature at segment MPNTF during the period 1985 to 2008.	45
Figure 46. Scatterplot of surface salinity at segment MPNTF during the period 1985 to 2008.	46
Figure 47. Scatterplots of bottom total nitrogen at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	47
Figure 48. Scatterplots of bottom dissolved inorganic nitrogen at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	48
Figure 49. Scatterplots of bottom total phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	49
Figure 50. Scatterplots of bottom dissolved inorganic phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	50
Figure 51. Scatterplot of bottom total suspended solids at segment MPNTF during the period 1985 to 2008.	51
Figure 52. Scatterplot of bottom dissolved oxygen at segment MPNTF during the period 1985 to 2008.	52
Figure 53. Scatterplot of bottom water temperature at segment MPNTF during the period 1985 to 2008.	53
Figure 54. Scatterplot of bottom salinity at segment MPNTF during the period 1985 to 2008.	54
Figure 55. Scatterplots of surface total nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	55
Figure 56. Scatterplots of surface dissolved inorganic nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	56

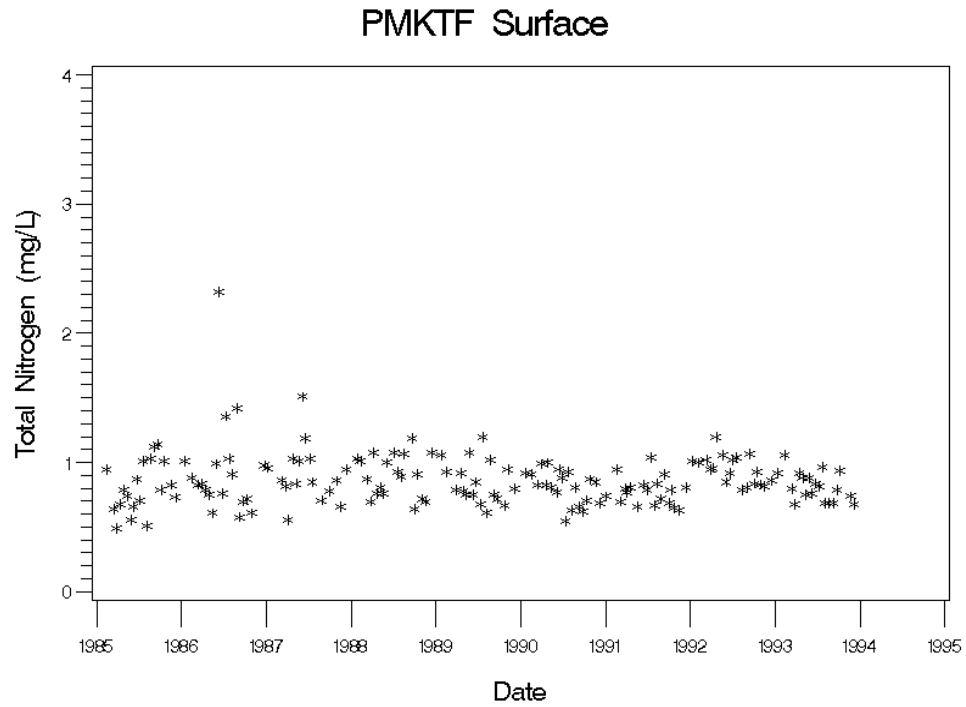
Figure 57. Scatterplots of surface total phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	57
Figure 58. Scatterplots of surface dissolved inorganic phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	58
Figure 59. Scatterplot of surface chlorophyll a at segment MPNOH during the period 1985 to 2008.	59
Figure 60. Scatterplot of surface total suspended solids at segment MPNOH during the period 1985 to 2008.	60
Figure 61. Scatterplot of secchi depth at segment MPNOH during the period 1985 to 2008.	61
Figure 62. Scatterplot of surface dissolved oxygen at segment MPNOH during the period 1985 to 2008.	62
Figure 63. Scatterplot of surface water temperature at segment MPNOH during the period 1985 to 2008.	63
Figure 64. Scatterplot of surface salinity at segment MPNOH during the period 1985 to 2008.	64
Figure 65. Scatterplots of bottom total nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	65
Figure 66. Scatterplots of bottom dissolved inorganic nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	66
Figure 67. Scatterplots of bottom total phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	67
Figure 68. Scatterplots of bottom dissolved inorganic phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	68
Figure 69. Scatterplot of bottom total suspended solids at segment MPNOH during the period 1985 to 2008.	69
Figure 70. Scatterplot of bottom dissolved oxygen at segment MPNOH during the period 1985 to 2008.	70
Figure 71. Scatterplot of bottom water temperature at segment MPNOH during the period 1985 to 2008.	71
Figure 72. Scatterplot of bottom salinity at segment MPNOH during the period 1985 to 2008.	72
Figure 73. Scatterplots of surface total nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	73
Figure 74. Scatterplots of surface dissolved inorganic nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	74
Figure 75. Scatterplots of surface total phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	75

Figure 76. Scatterplots of surface dissolved inorganic phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	76
Figure 77. Scatterplot of surface chlorophyll a at segment YRKMH during the period 1985 to 2008.	77
Figure 78. Scatterplot of surface total suspended solids at segment YRKMH during the period 1985 to 2008.	78
Figure 79. Scatterplot of secchi depth at segment YRKMH during the period 1985 to 2008.	79
Figure 80. Scatterplot of surface dissolved oxygen at segment YRKMH during the period 1985 to 2008.	80
Figure 81. Scatterplot of surface water temperature at segment YRKMH during the period 1985 to 2008.	81
Figure 82. Scatterplot of surface salinity at segment YRKMH during the period 1985 to 2008.	82
Figure 83. Scatterplots of bottom total nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	83
Figure 84. Scatterplots of bottom dissolved inorganic nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	84
Figure 85. Scatterplots of bottom total phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	85
Figure 86. Scatterplots of bottom dissolved inorganic phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	86
Figure 87. Scatterplot of bottom total suspended solids at segment YRKMH during the period 1985 to 2008.	87
Figure 88. Scatterplot of bottom dissolved oxygen at segment YRKMH during the period 1985 to 2008.	88
Figure 89. Scatterplot of bottom water temperature at segment YRKMH during the period 1985 to 2008.	89
Figure 90. Scatterplot of bottom salinity at segment YRKMH during the period 1985 to 2008.	90
Figure 91. Scatterplots of surface total nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	91
Figure 92. Scatterplots of surface dissolved inorganic nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	92
Figure 93. Scatterplots of surface total phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	93
Figure 94. Scatterplots of surface dissolved inorganic phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	94

Figure 95. Scatterplot of surface chlorophyll a at segment YRKPH during the period 1985 to 2008.	95
Figure 96. Scatterplot of surface total suspended solids at segment YRKPH during the period 1985 to 2008.	96
Figure 97. Scatterplot of secchi depth at segment YRKPH during the period 1985 to 2008.	97
Figure 98. Scatterplot of surface dissolved oxygen at segment YRKPH during the period 1985 to 2008.	98
Figure 99. Scatterplot of surface water temperature at segment YRKPH during the period 1985 to 2008.	99
Figure 100. Scatterplot of surface salinity at segment YRKPH during the period 1985 to 2008.	100
Figure 101. Scatterplots of bottom total nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	101
Figure 102. Scatterplots of bottom dissolved inorganic nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	102
Figure 103. Scatterplots of bottom total phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	103
Figure 104. Scatterplots of bottom dissolved inorganic phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	104
Figure 105. Scatterplot of bottom total suspended solids at segment YRKPH during the period 1985 to 2008.	105
Figure 106. Scatterplot of bottom dissolved oxygen at segment YRKPH during the period 1985 to 2008.	106
Figure 107. Scatterplot of bottom water temperature at segment YRKPH during the period 1985 to 2008.	107
Figure 108. Scatterplot of bottom salinity at segment YRKPH during the period 1985 to 2008.	108
Figure 109. Scatterplots of surface total nitrogen at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	109
Figure 110. Scatterplots of surface dissolved inorganic nitrogen at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	110
Figure 111. Scatterplots of surface total phosphorus at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	111
Figure 112. Scatterplots of surface dissolved inorganic phosphorus at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.	112
Figure 113. Scatterplot of surface chlorophyll a at segment MOBPH during the period of 1985 to 2008.	113

Figure 114. Scatterplot of surface total suspended solids at segment MOBPH during the period of 1985 to 2008.....	114
Figure 115. Scatterplot of secchi depth at segment MOBPH during the period of 1985 to 2008.....	115
Figure 116. Scatterplot of surface dissolved oxygen at segment MOBPH during the period of 1985 to 2008.....	116
Figure 117. Scatterplot of surface water temperature at segment MOBPH during the period of 1985 to 2008.....	117
Figure 118. Scatterplot of surface salinity at segment MOBPH during the period of 1985 to 2008.....	118
Figure 119. Scatterplots of bottom total nitrogen at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.....	119
Figure 120. Scatterplots of bottom dissolved inorganic nitrogen at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.....	120
Figure 121. Scatterplots of bottom total phosphorus at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.....	121
Figure 122. Scatterplots of bottom dissolved inorganic phosphorus at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.....	122
Figure 123. Scatterplot of bottom total suspended solids at segment MOBPH during the period of 1985 to 2008.....	123
Figure 124. Scatterplot of bottom dissolved oxygen at segment MOBPH during the period of 1985 to 2008.....	124
Figure 125. Scatterplot of bottom water temperature at segment MOBPH during the period of 1985 to 2008.....	125
Figure 126. Scatterplot of bottom salinity at segment MOBPH during the period of 1985 to 2008.....	126

a) Pre-method change period



b) Post-method change period

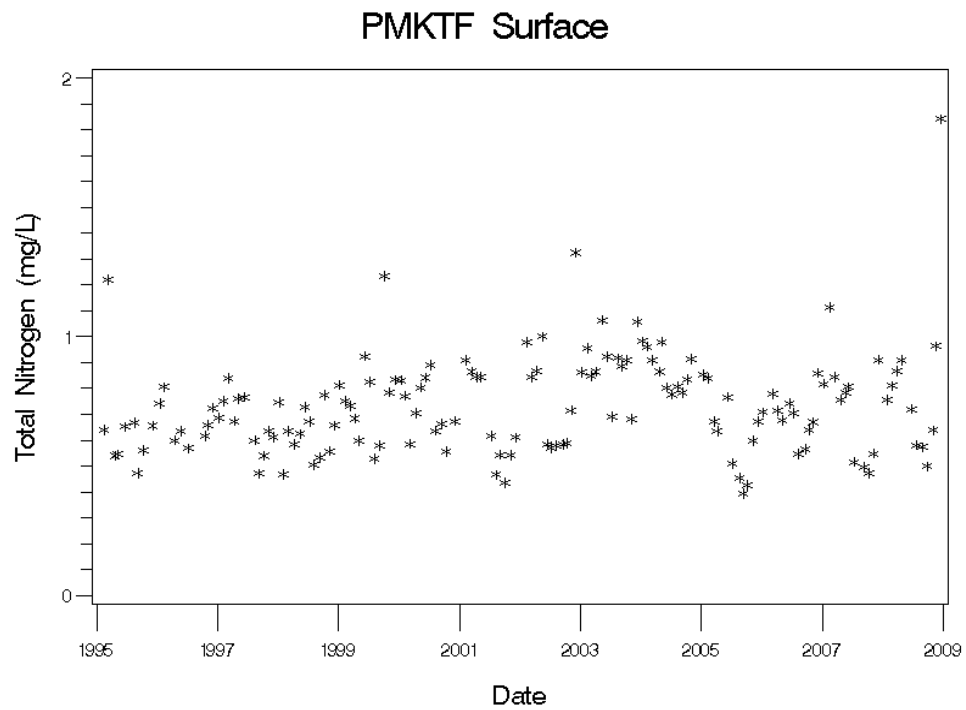
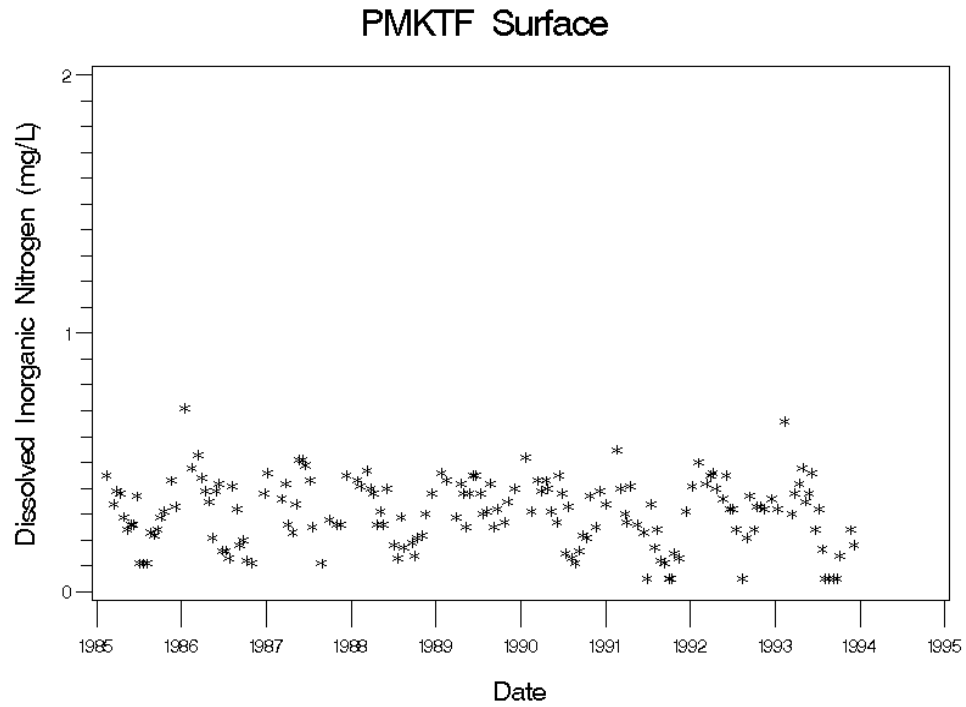


Figure 1. Scatterplots of surface total nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

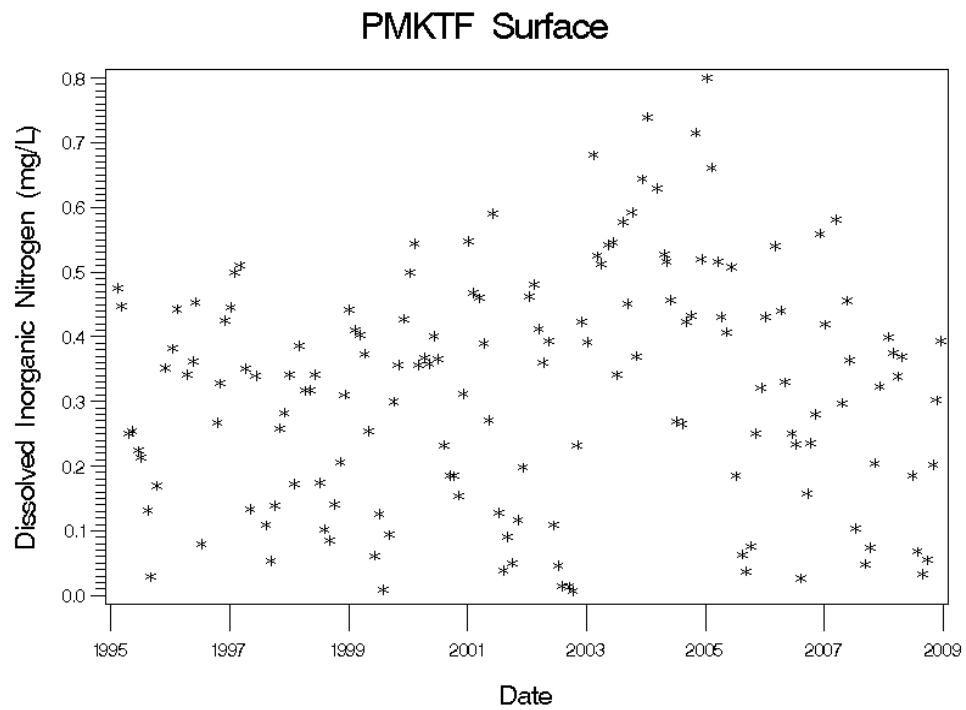
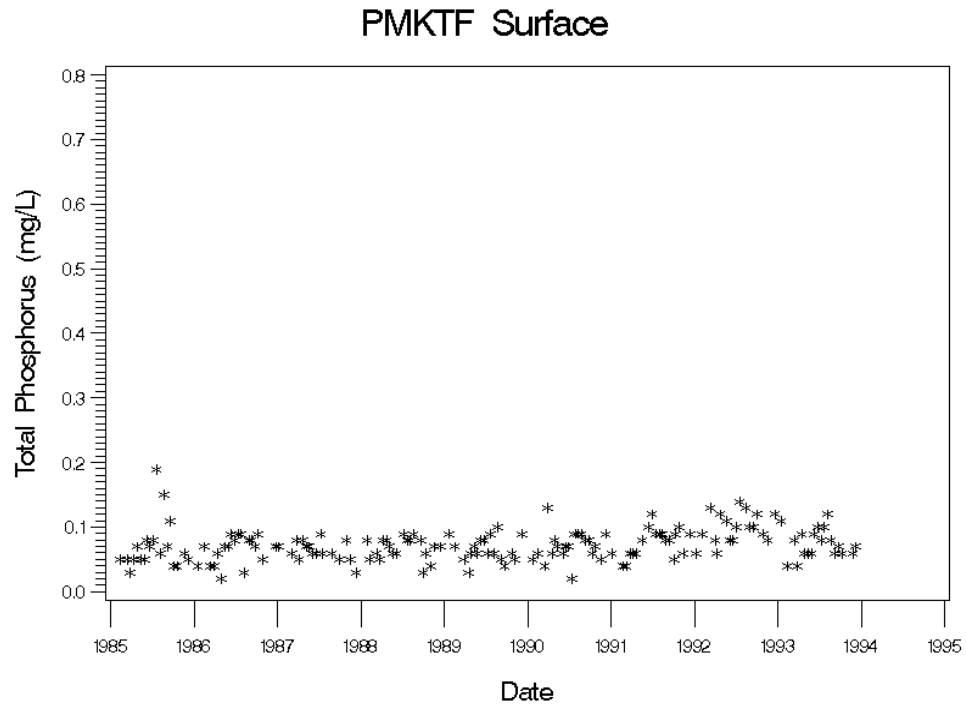


Figure 2. Scatterplots of surface dissolved inorganic nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

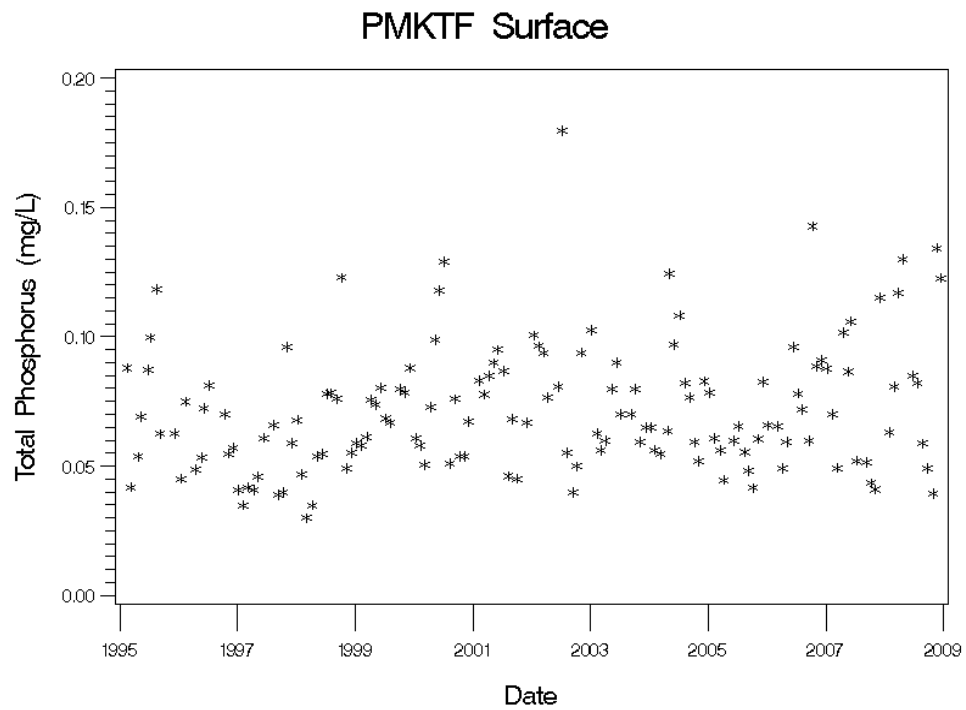
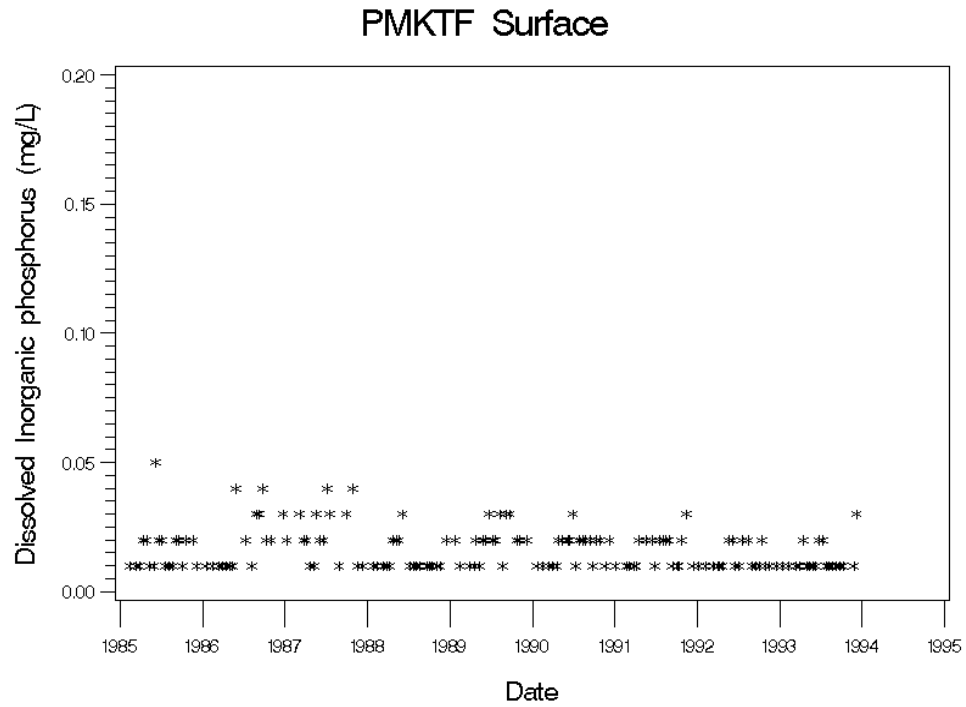


Figure 3. Scatterplots of surface total phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

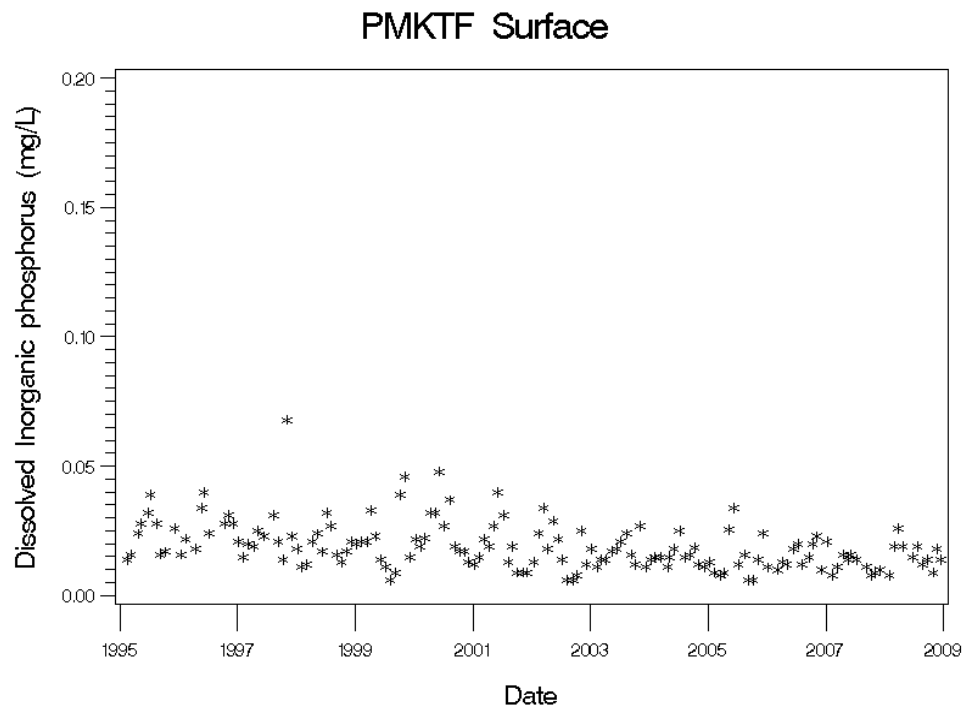


Figure 4. Scatterplots of surface dissolved inorganic phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

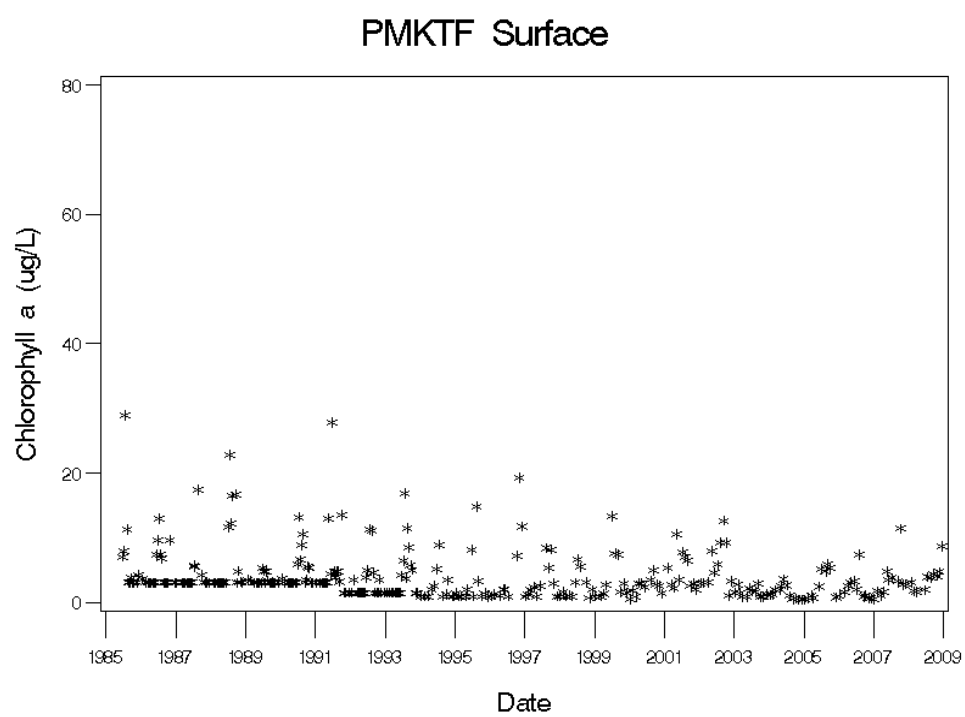


Figure 5. Scatterplot of surface chlorophyll a at segment PMKTF during the period 1985 to 2008.

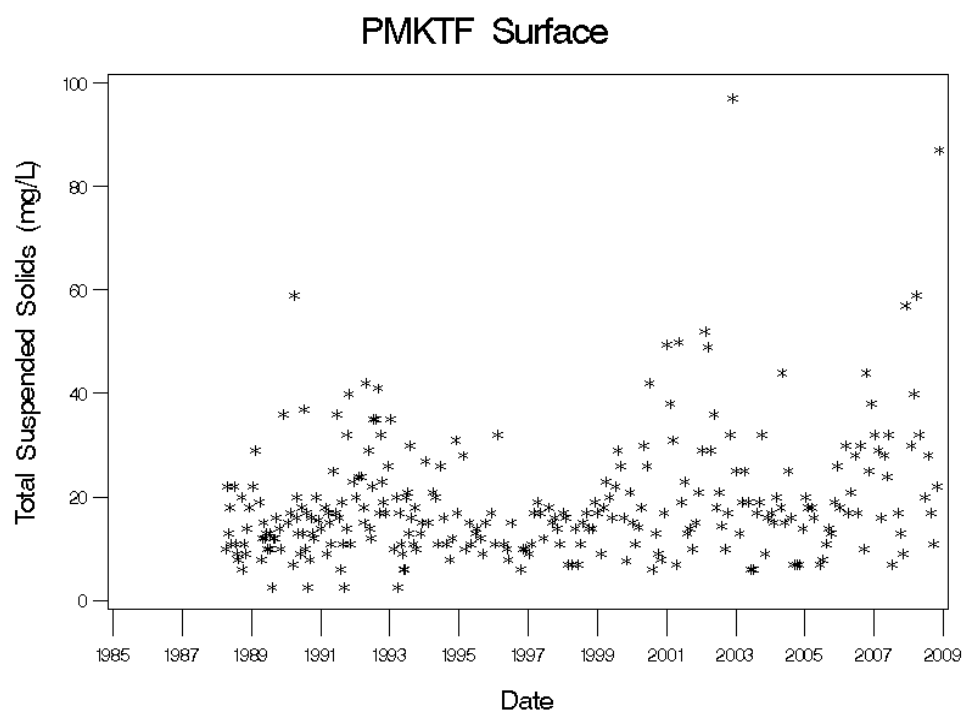


Figure 6. Scatterplot of surface total suspended solids at segment PMKTF during the period 1985 to 2008.

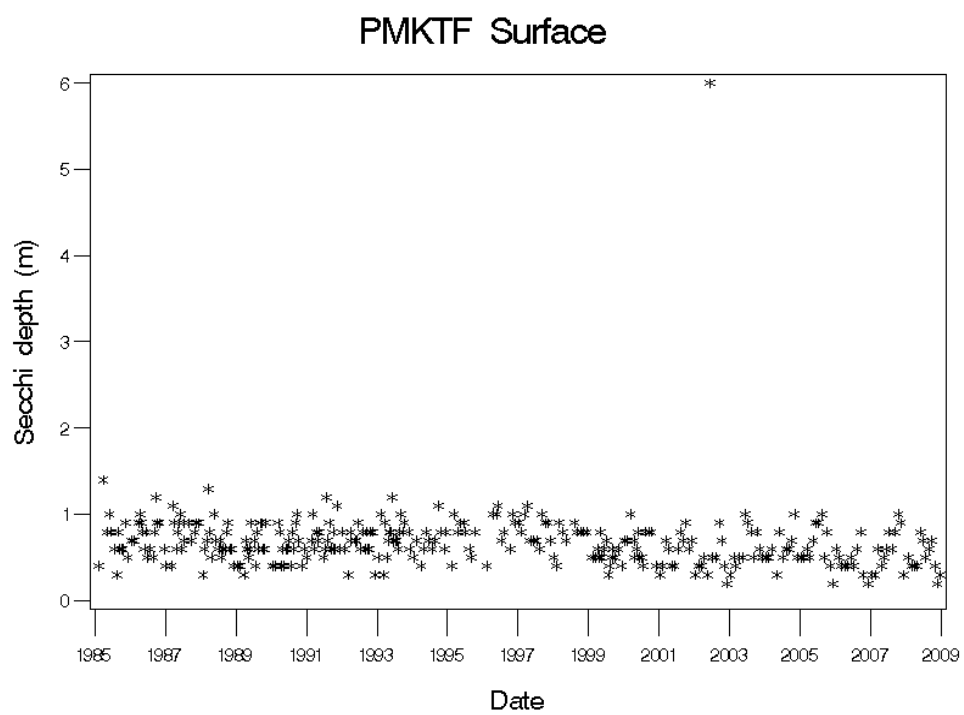


Figure 7. Scatterplot of secchi depth at segment PMKTF during the period 1985 to 2008.

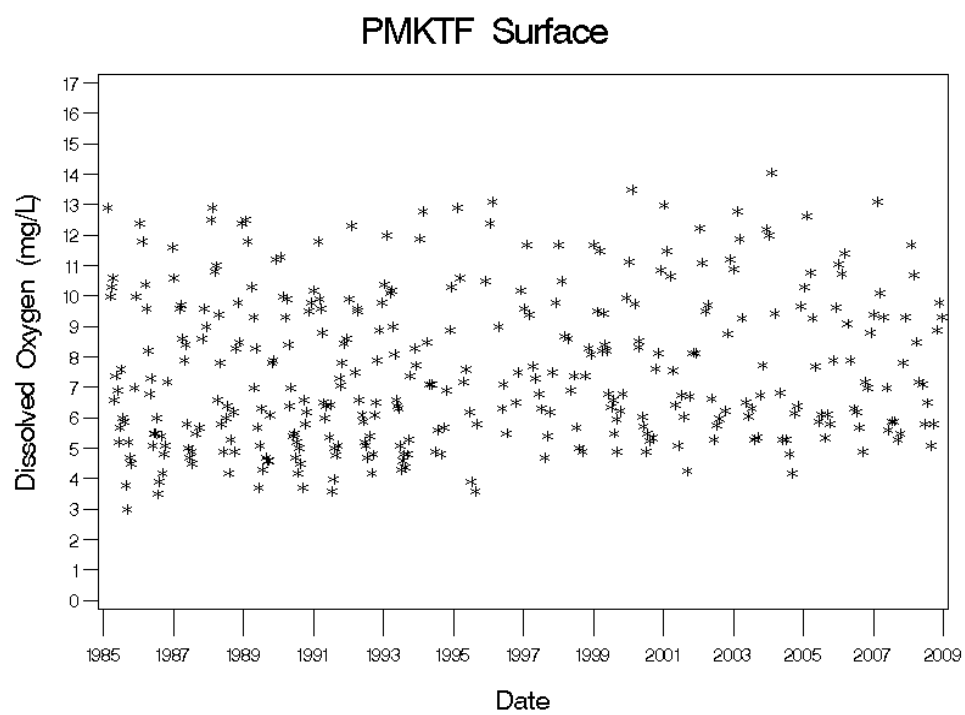


Figure 8. Scatterplot of surface dissolved oxygen at segment PMKTF during the period 1985 to 2008.

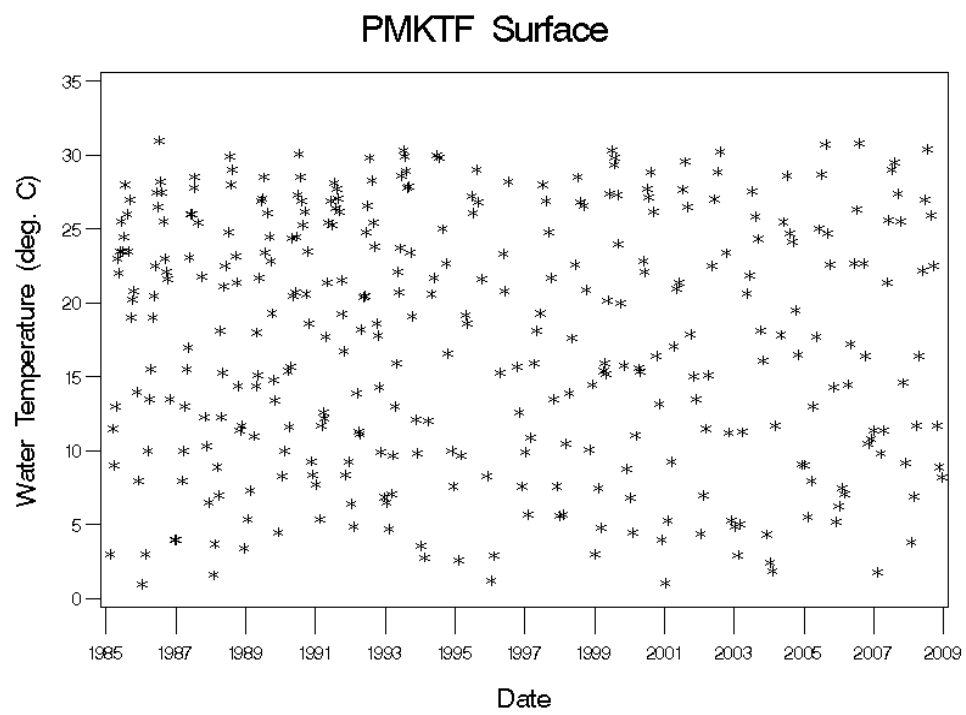


Figure 9. Scatterplot of surface water temperature at segment PMKTF during the period 1985 to 2008.

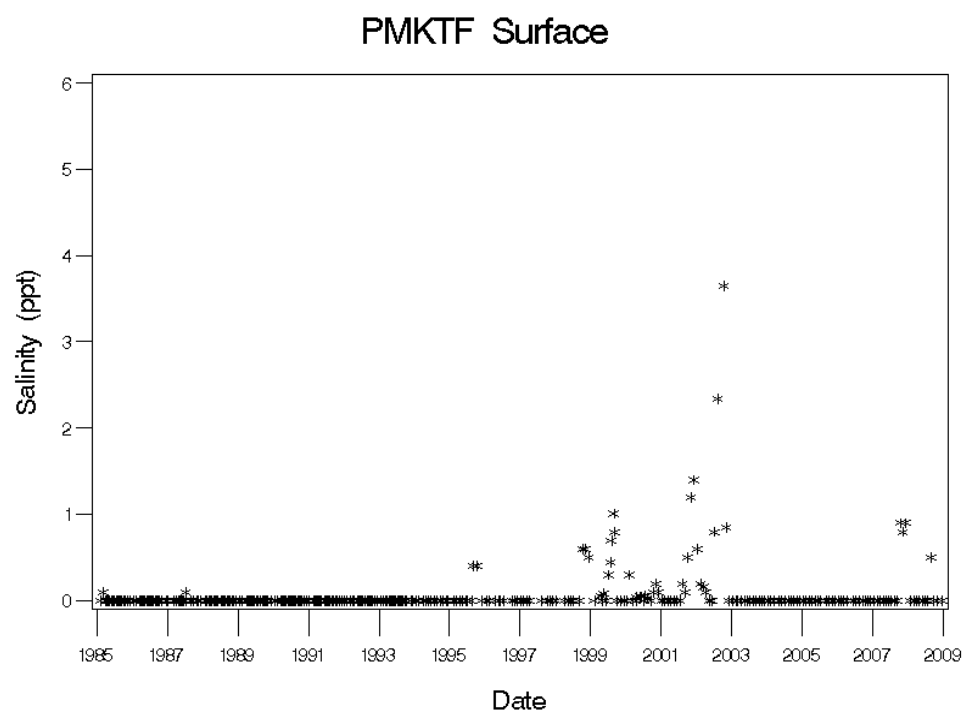
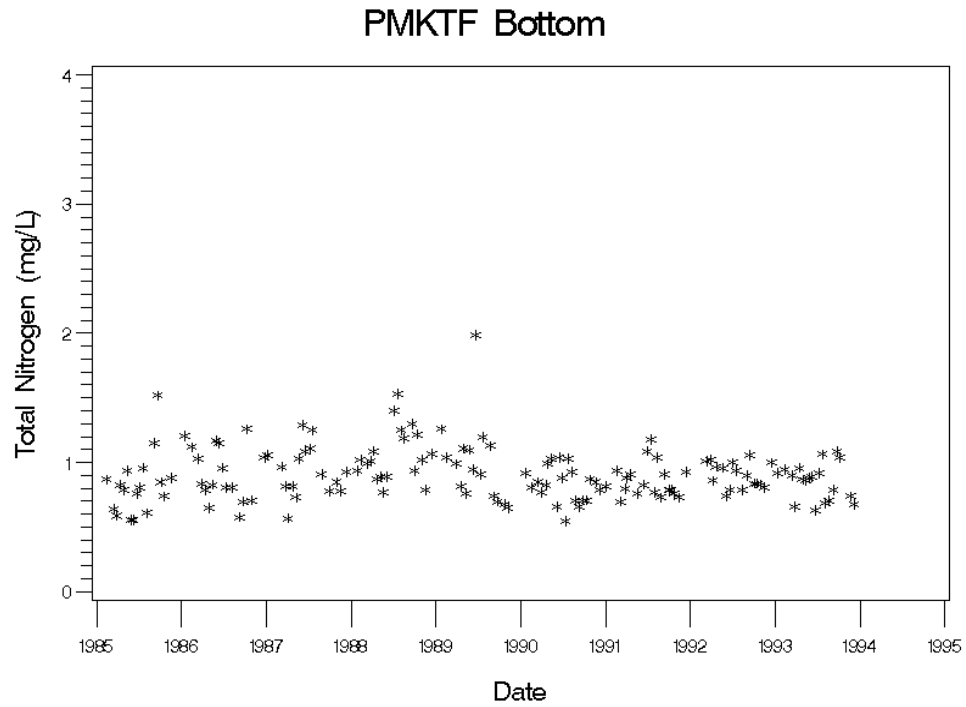


Figure 10. Scatterplot of surface salinity at segment PMKTF during the period 1985 to 2008.

a) Pre-method change period



b) Post-method change period

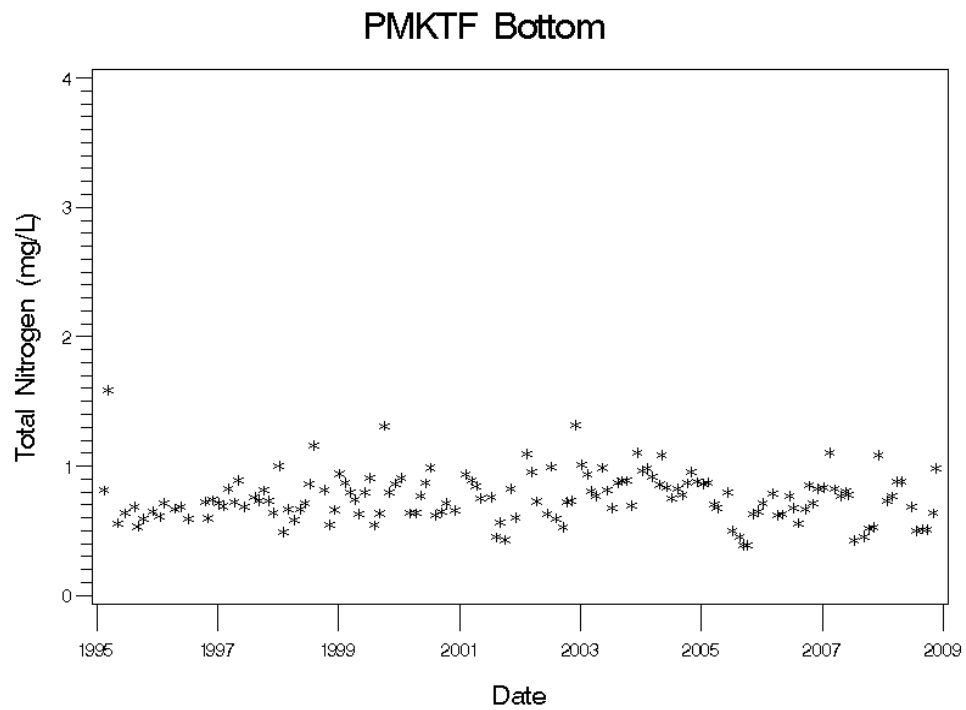
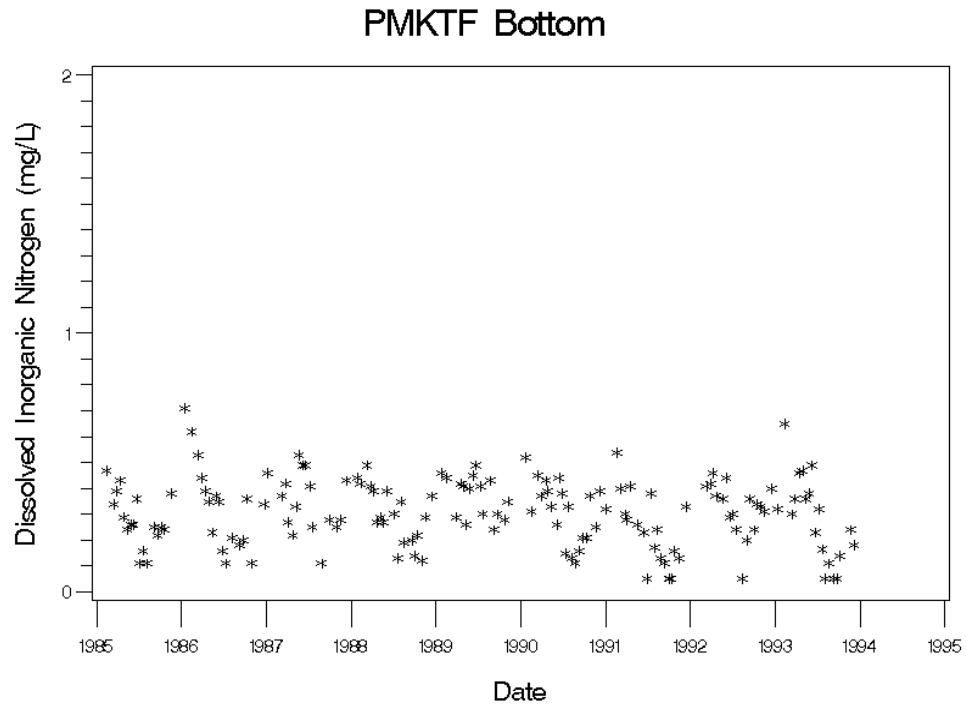


Figure 11. Scatterplots of bottom total nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

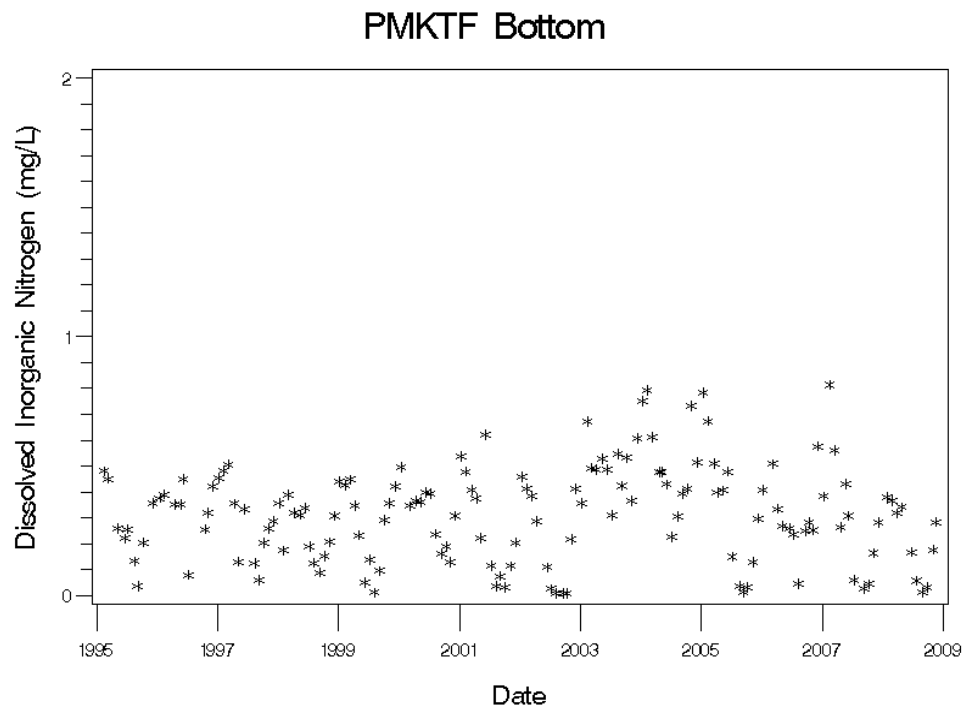
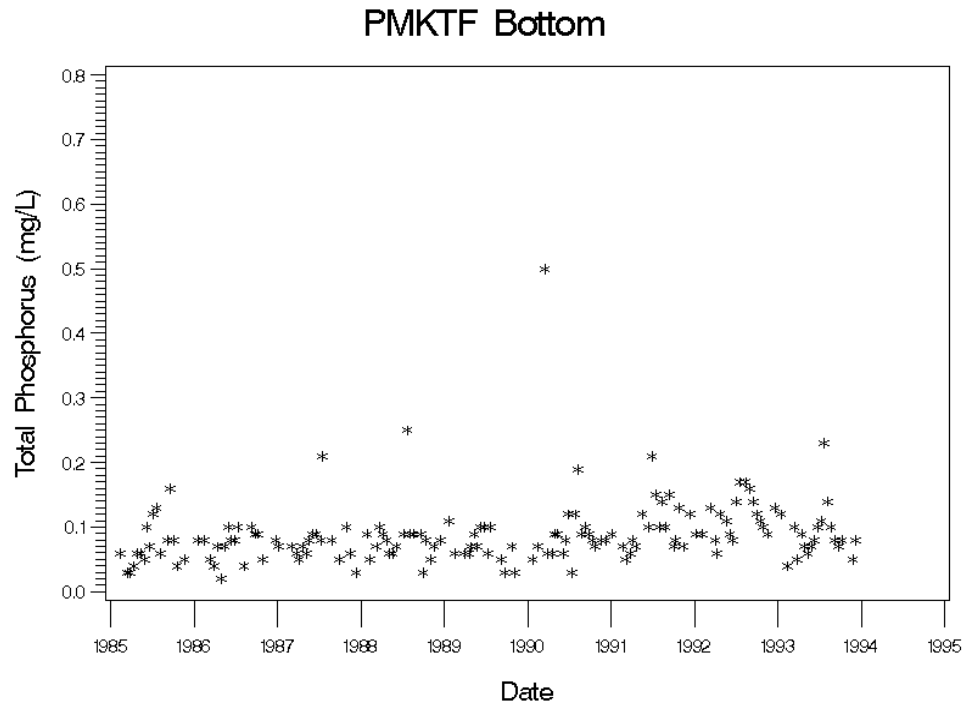


Figure 12. Scatterplots of bottom dissolved inorganic nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

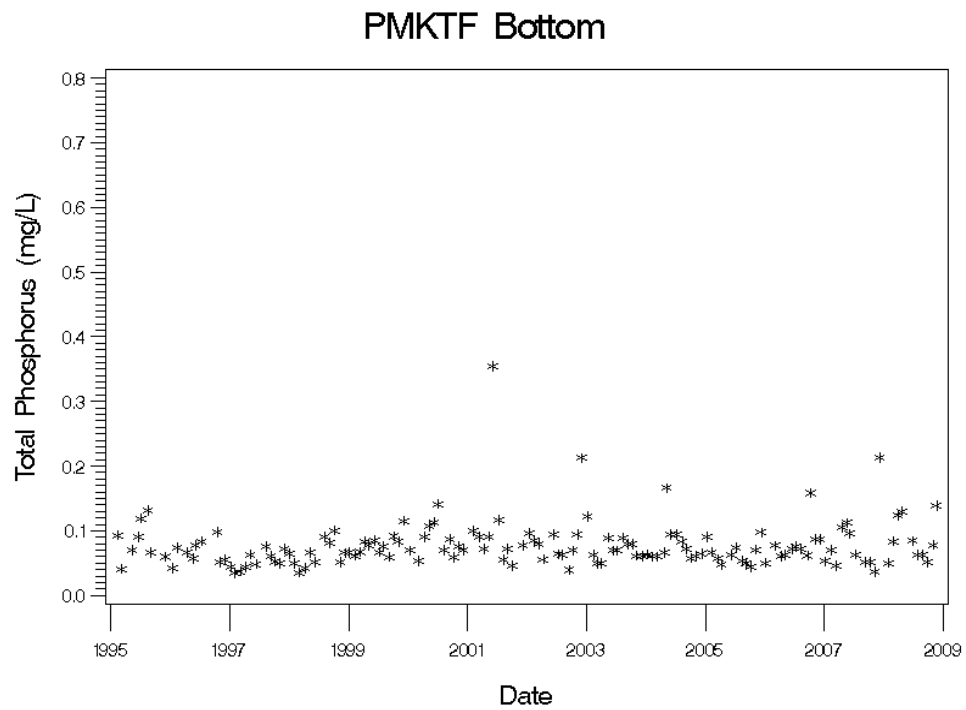
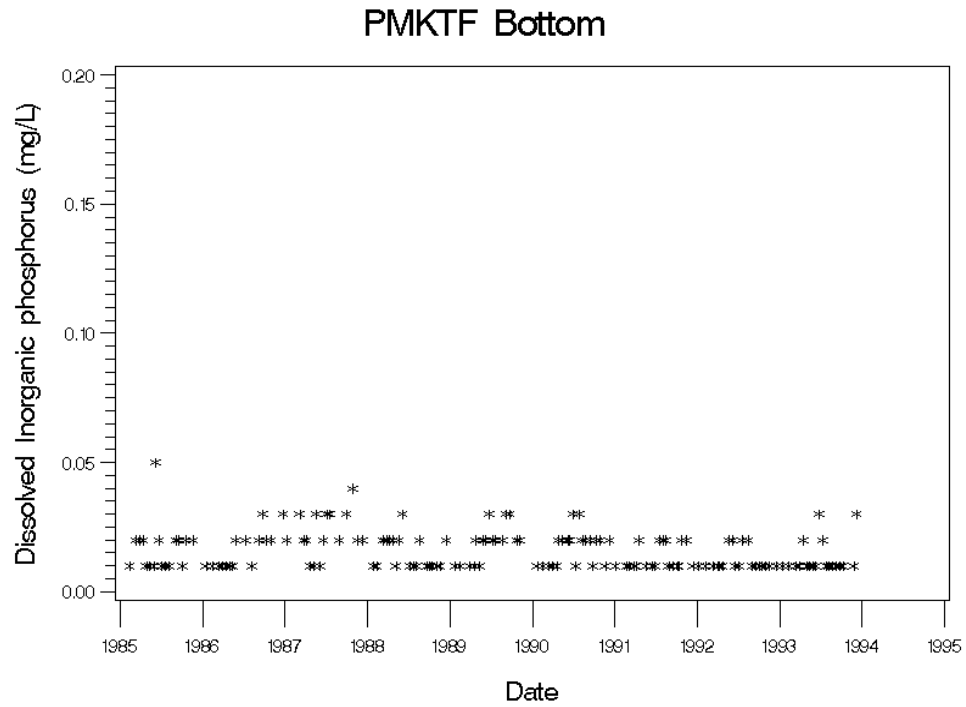


Figure 13. Scatterplots of bottom total phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

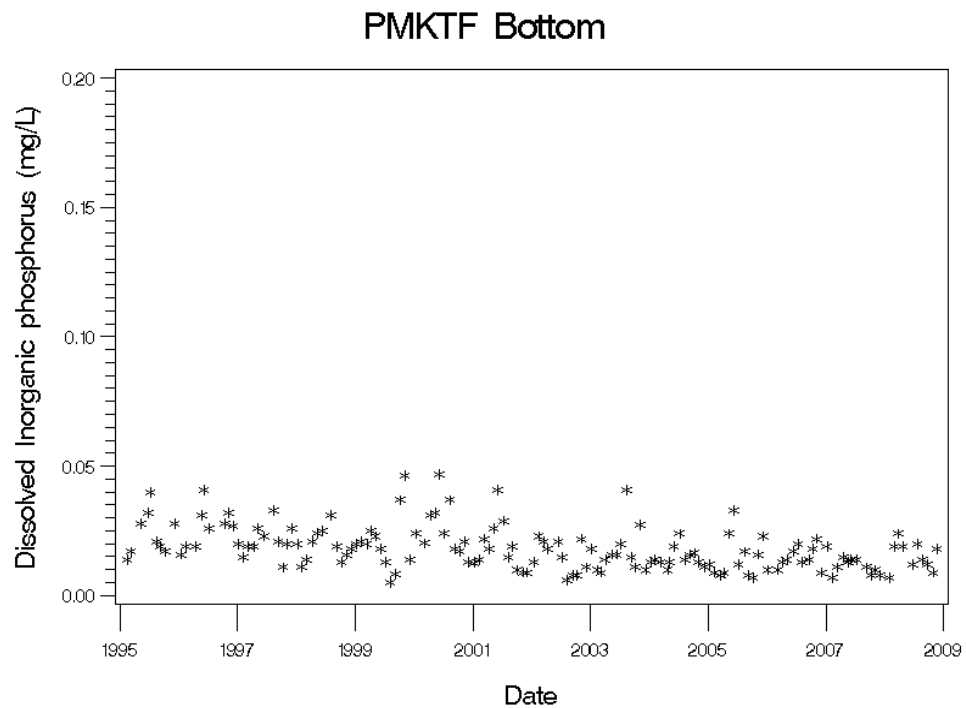


Figure 14. Scatterplots of bottom dissolved inorganic phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

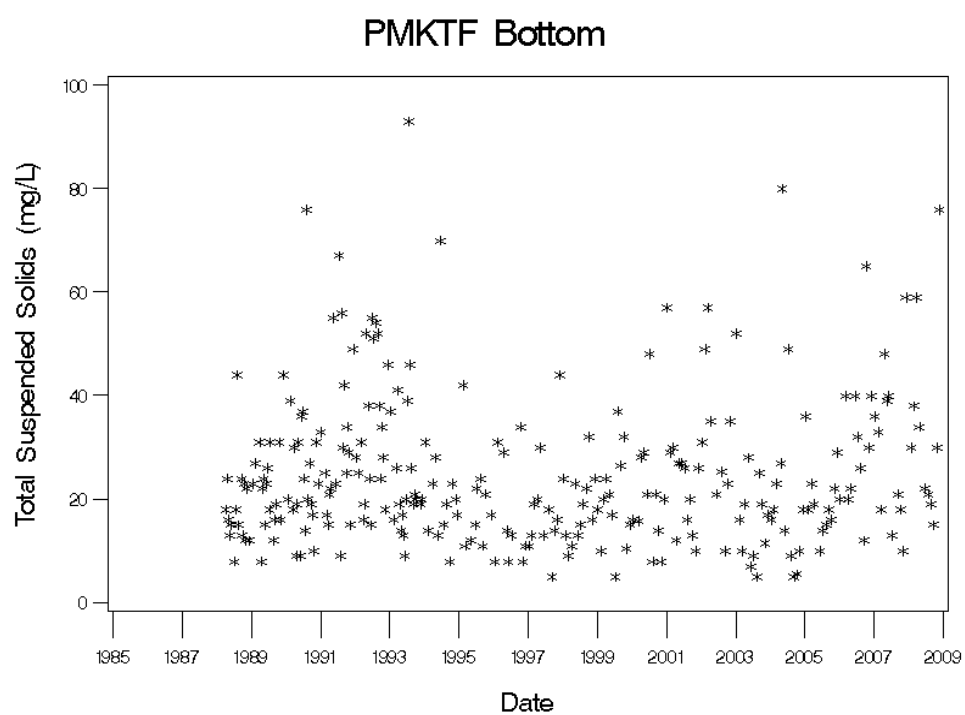


Figure 15. Scatterplot of bottom total suspended solids at segment PMKTF during the period 1985 to 2008.

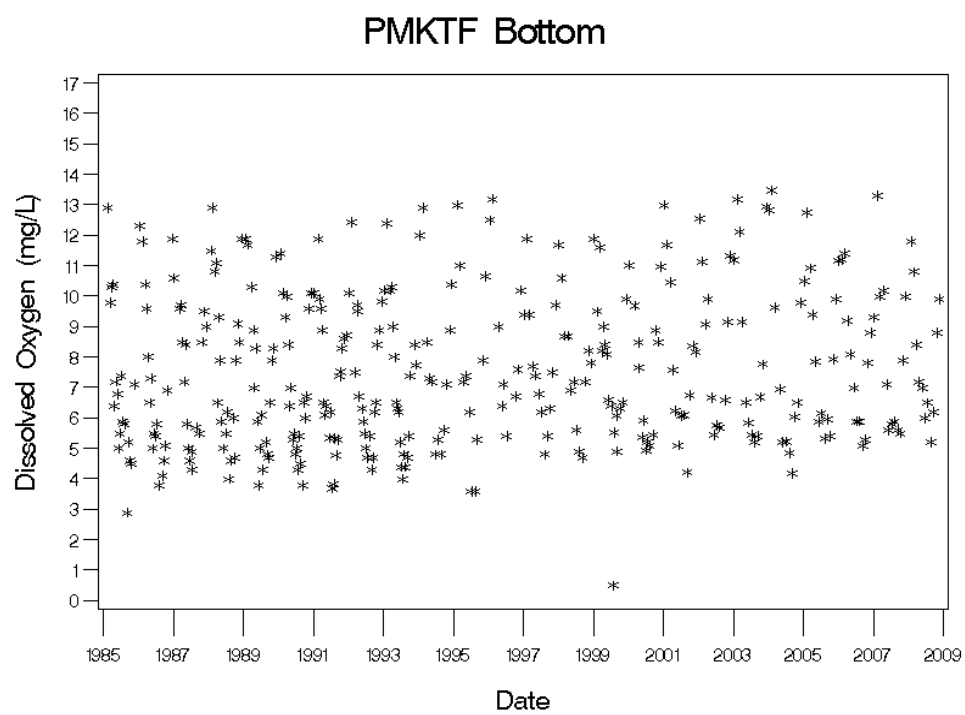


Figure 16. Scatterplot of bottom dissolved oxygen at segment PMKTF during the period 1985 to 2008.

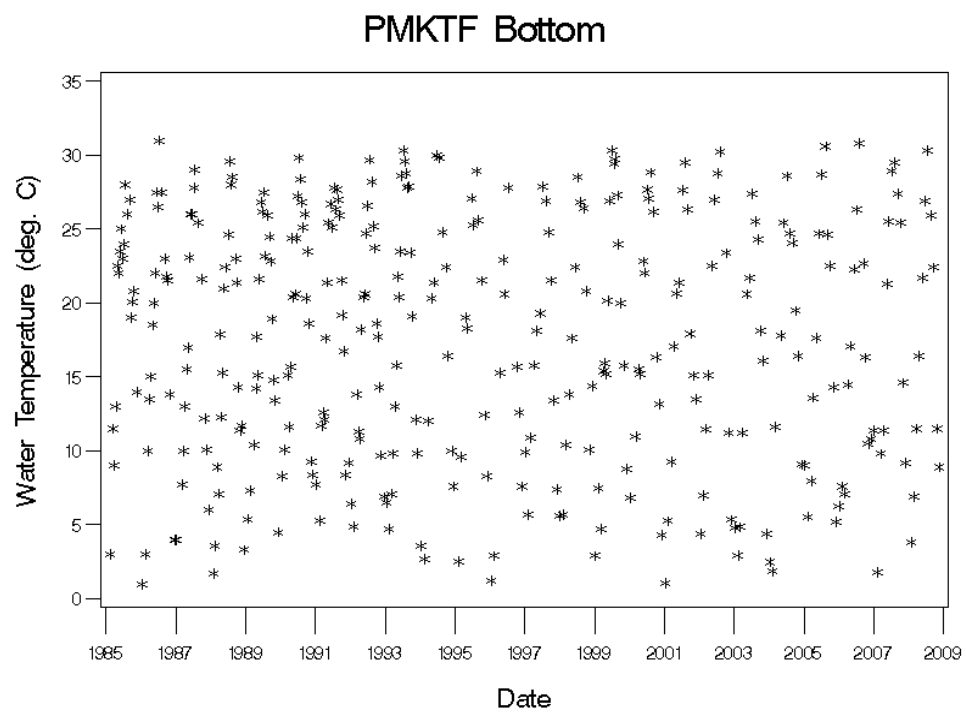


Figure 17. Scatterplot of bottom water temperature at segment PMKTF during the period 1985 to 2008.

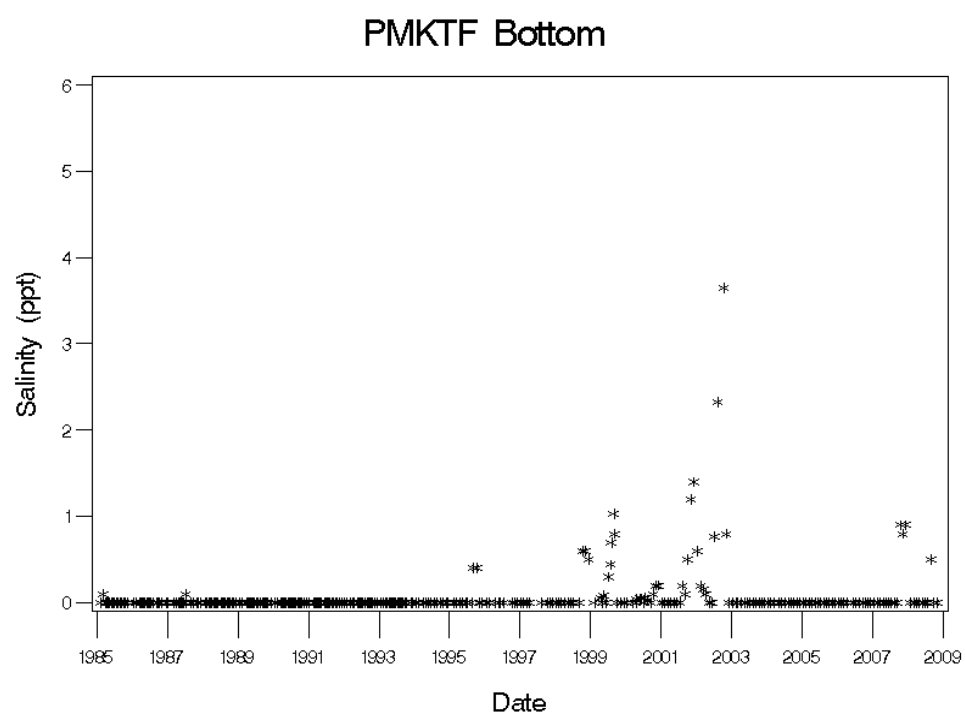
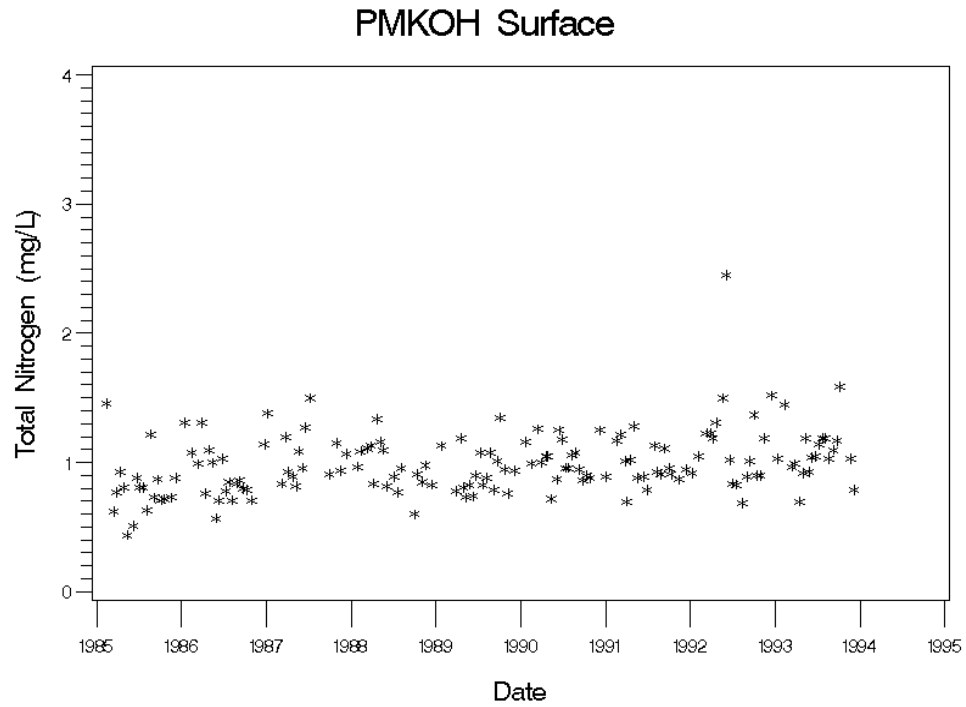


Figure 18. Scatterplot of bottom salinity at segment PMKTF during the period 1985 to 2008.

a) Pre-method change period



b) Post-method change period

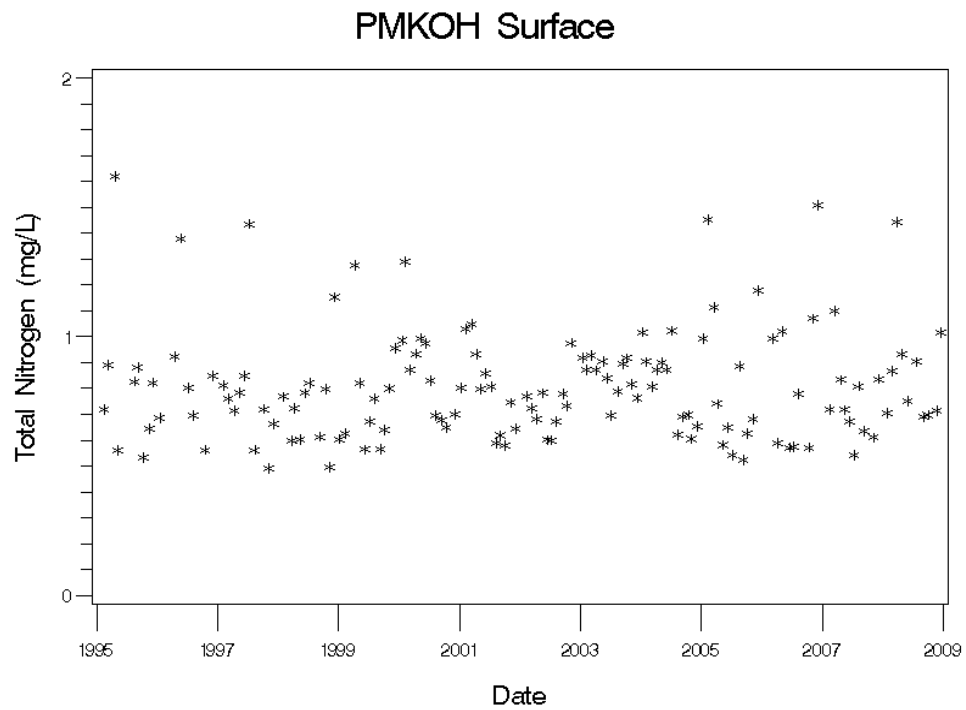
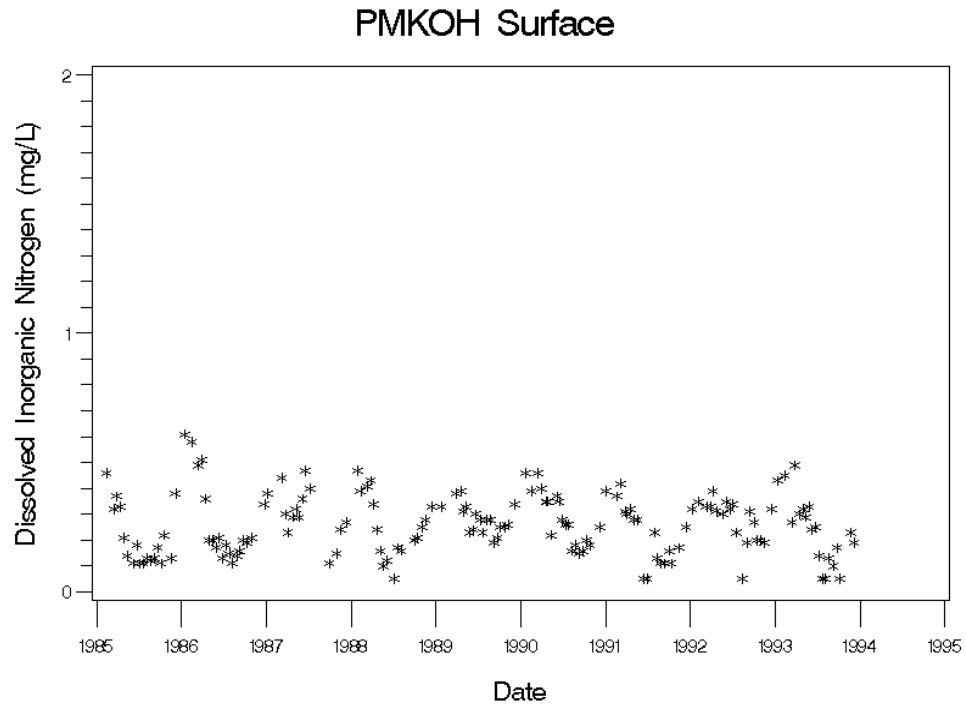


Figure 19. Scatterplots of surface total nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

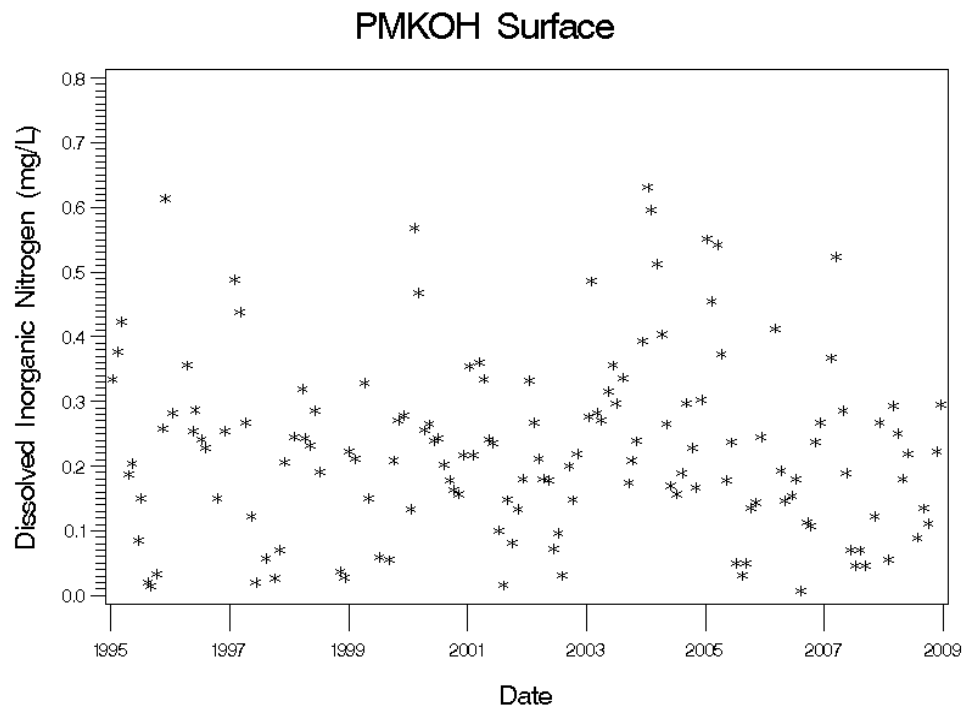
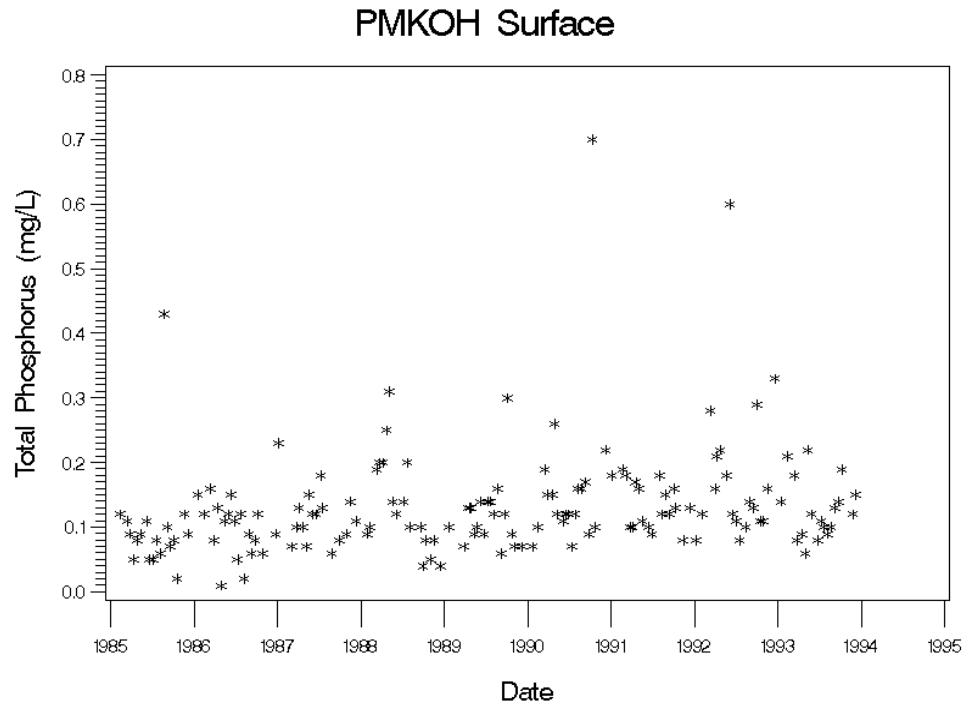


Figure 20. Scatterplots of surface dissolved inorganic nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

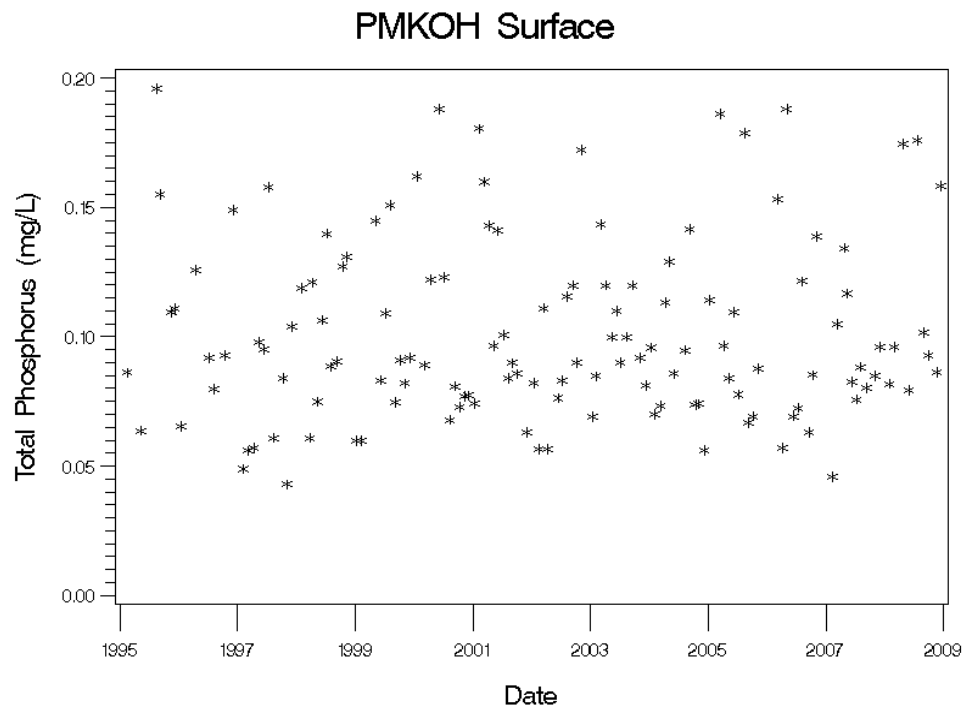
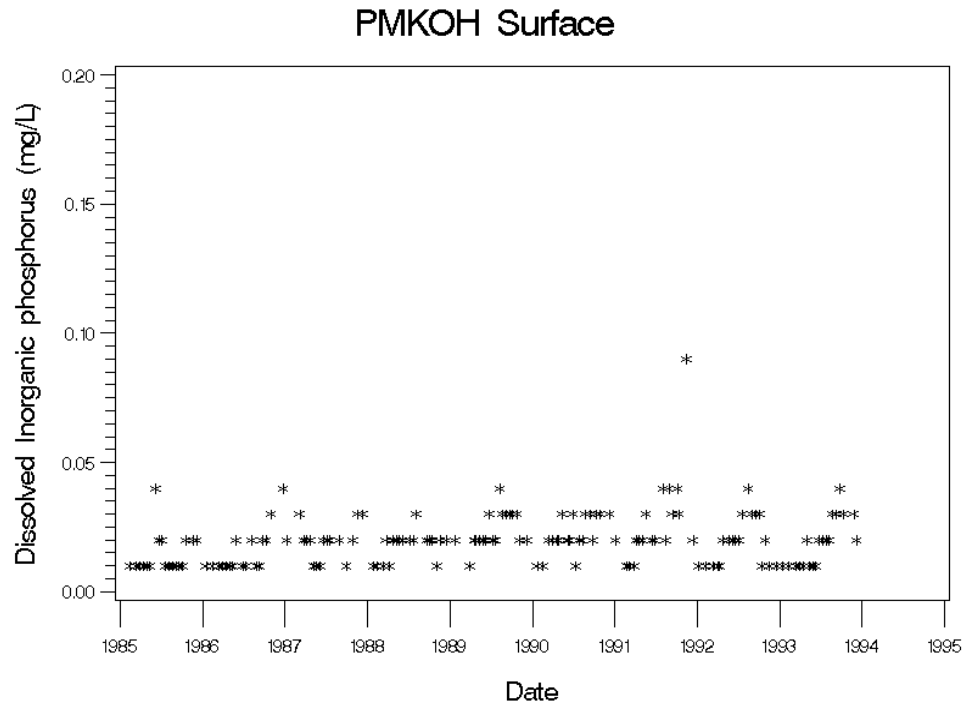


Figure 21. Scatterplots of surface total phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

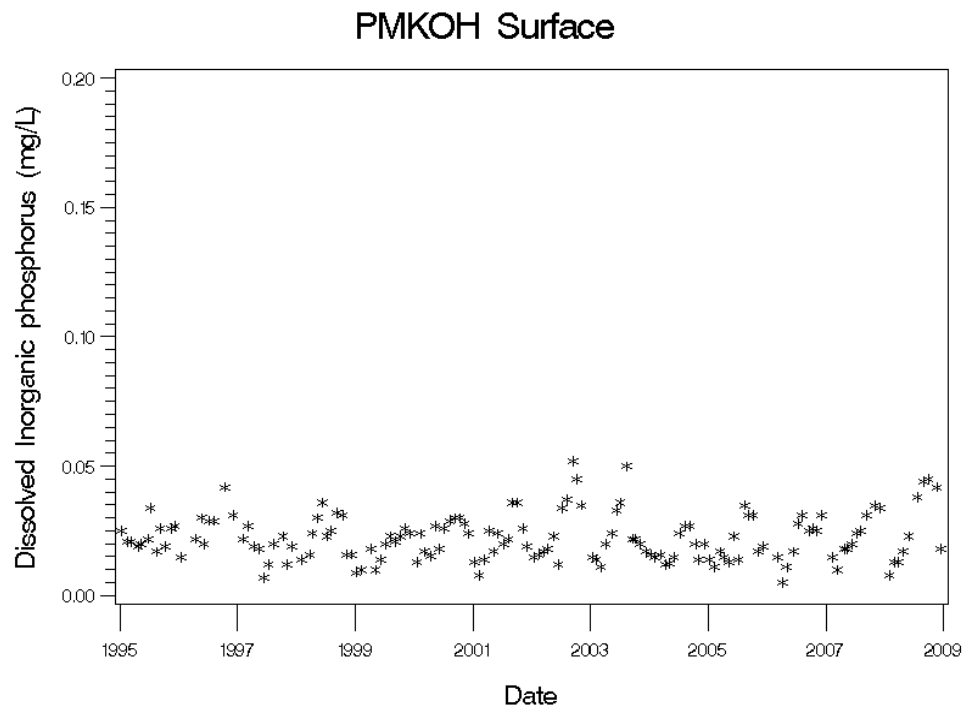


Figure 22. Scatterplots of surface dissolved inorganic phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

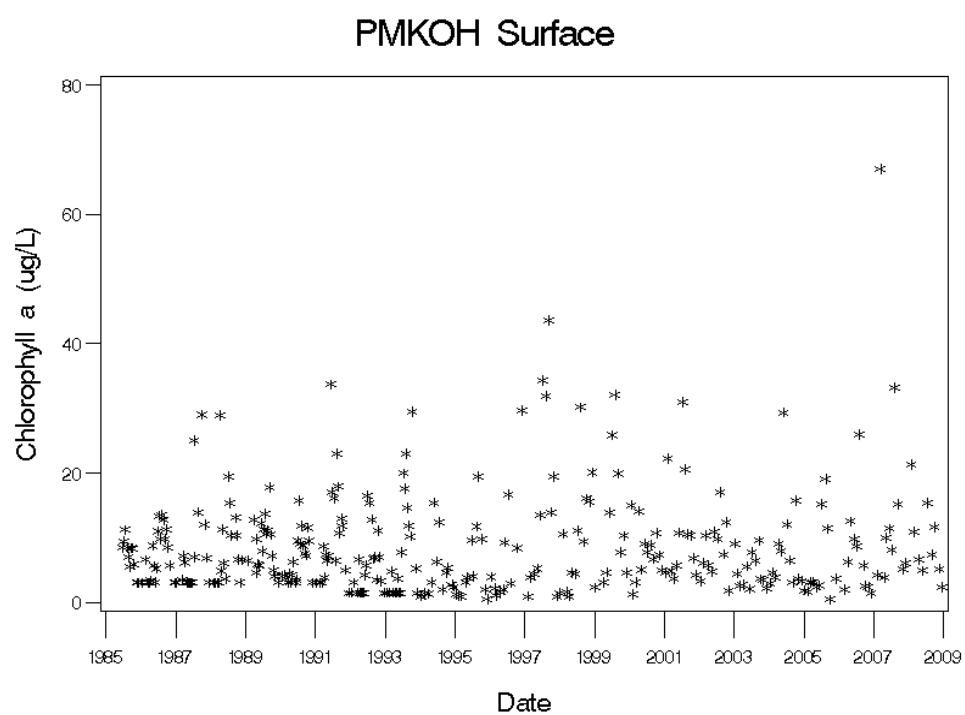


Figure 23. Scatterplot of surface chlorophyll a at segment PMKOH during the period 1985 to 2008.

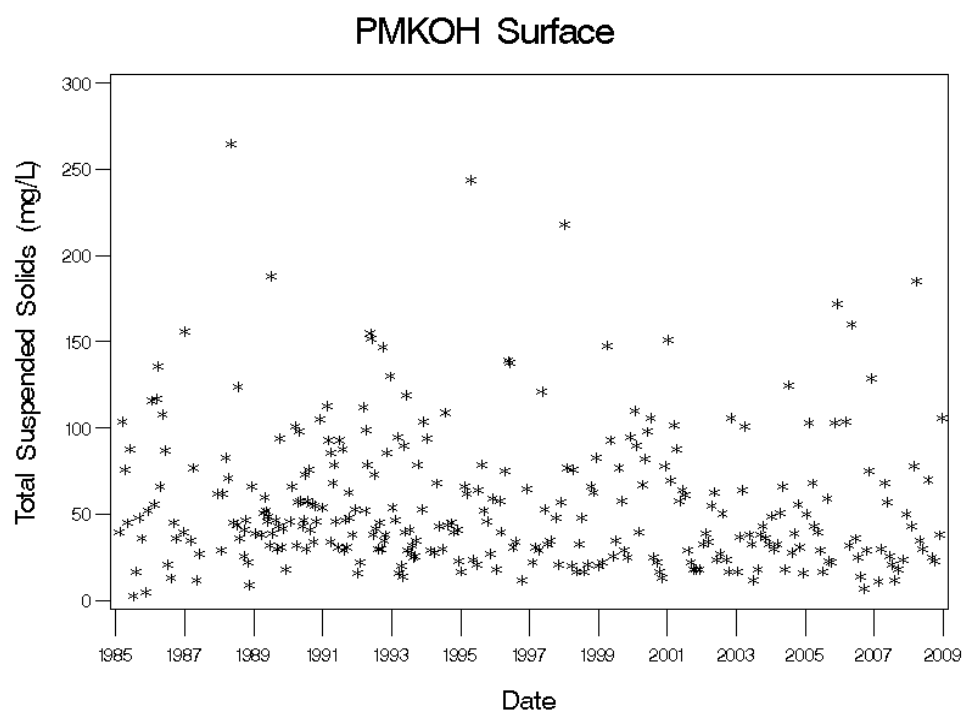


Figure 24. Scatterplot of surface total suspended solids at segment PMKOH during the period 1985 to 2008.

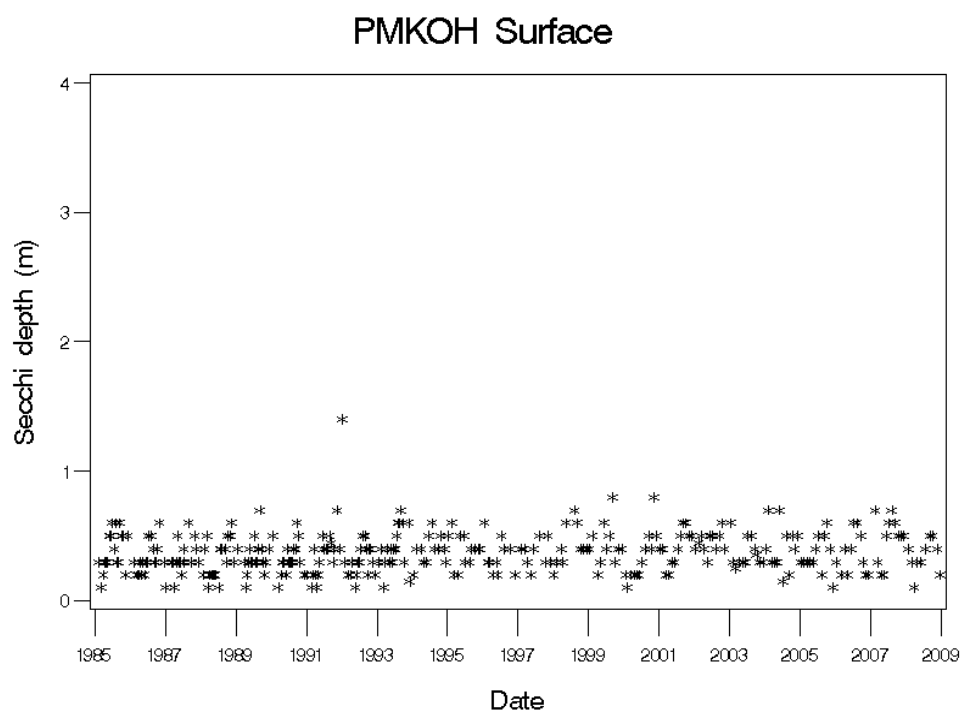


Figure 25. Scatterplot of secchi depth at segment PMKOH during the period 1985 to 2008.

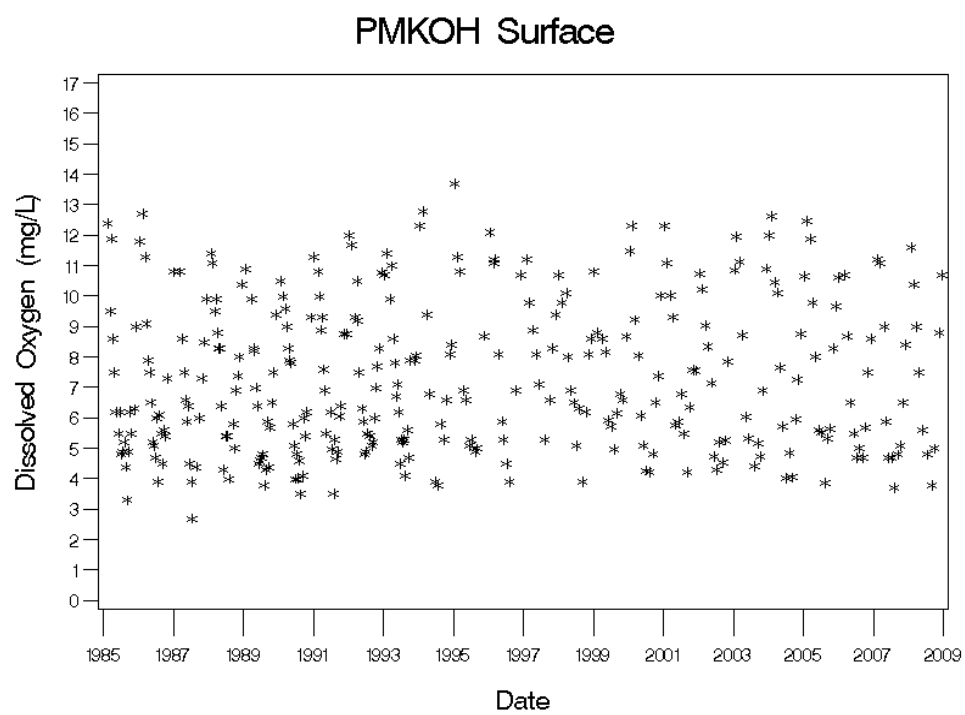


Figure 26. Scatterplot of surface dissolved oxygen at segment PMKOH during the period 1985 to 2008.

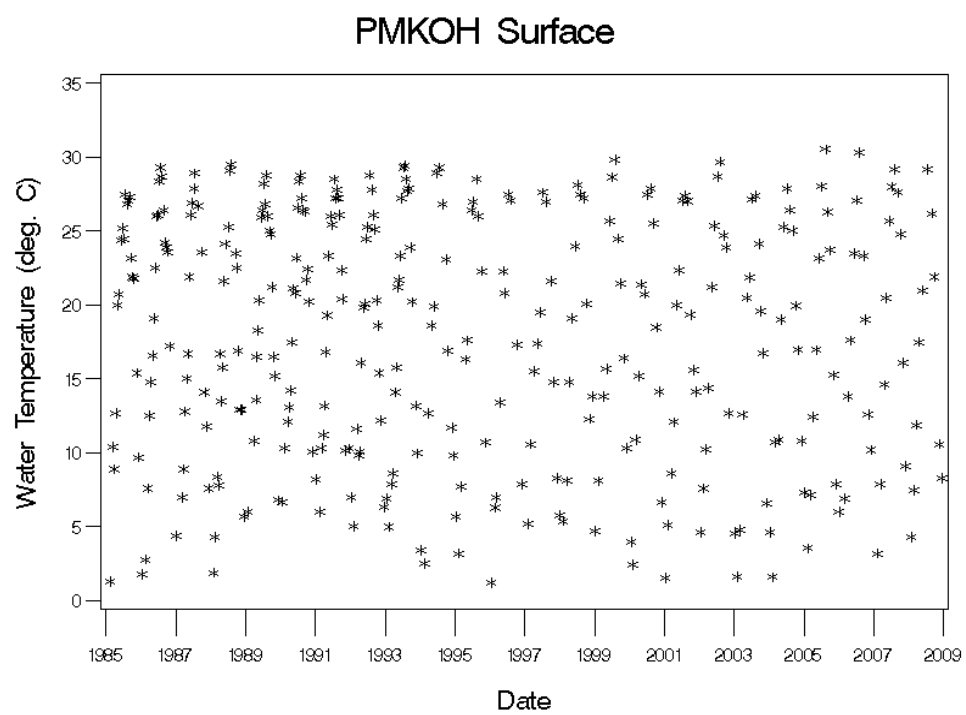


Figure 27. Scatterplot of surface water temperature at segment PMKOH during the period 1985 to 2008.

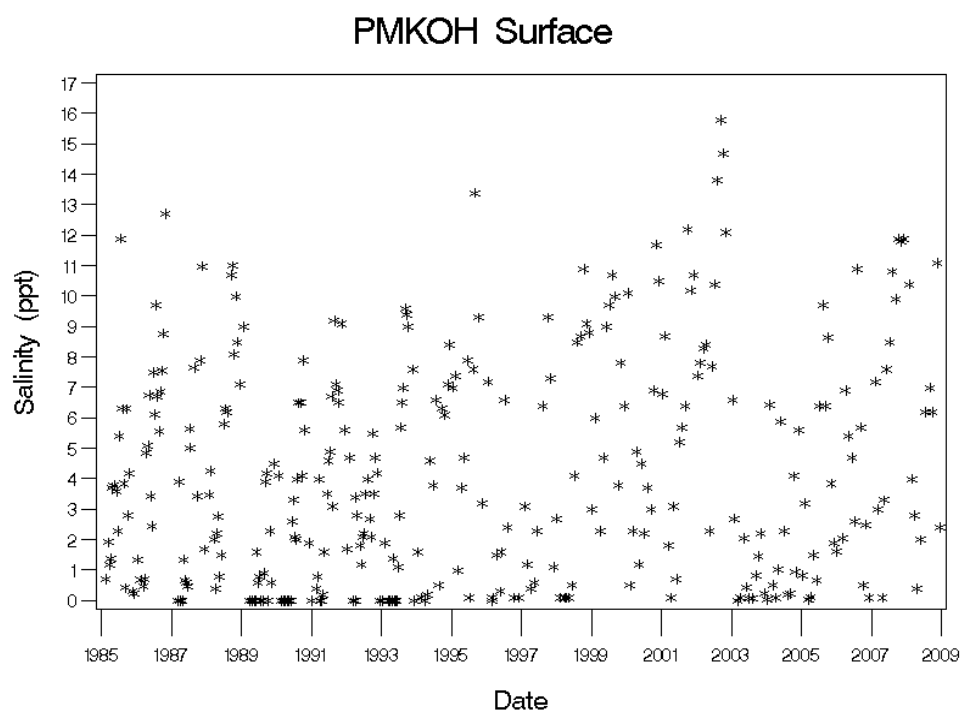
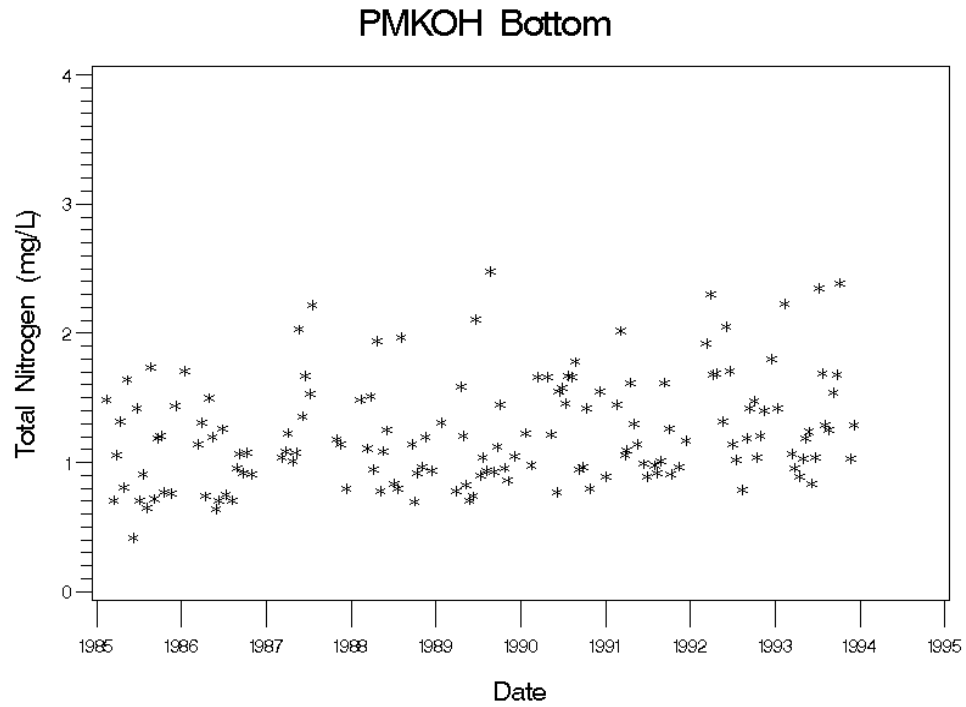


Figure 28. Scatterplot of surface salinity at segment PMKOH during the period 1985 to 2008.

a) Pre-method change period



b) Post-method change period

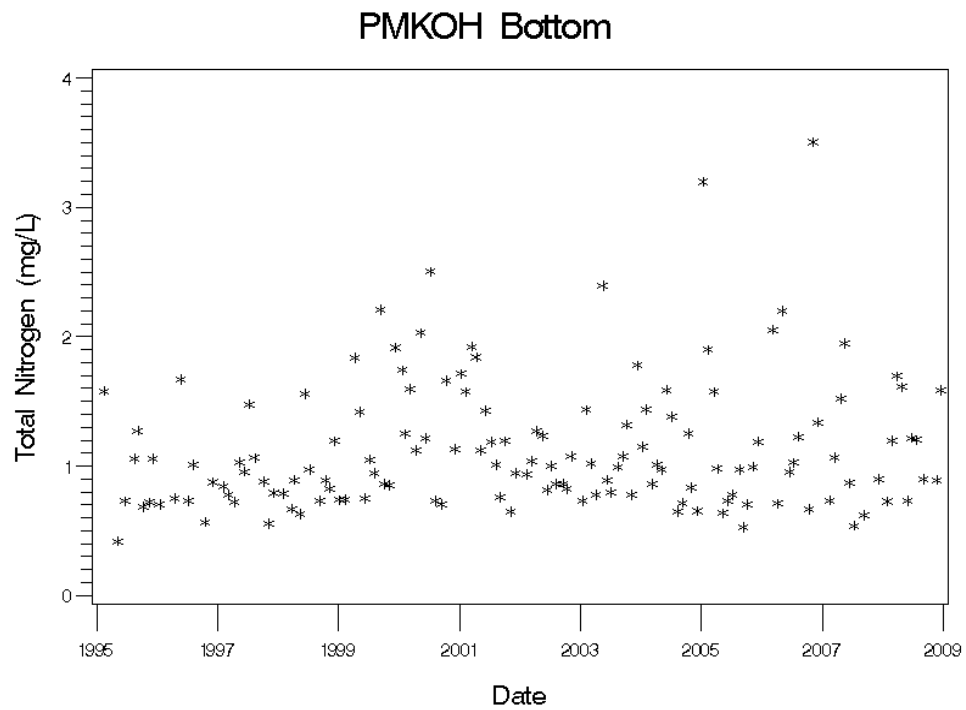
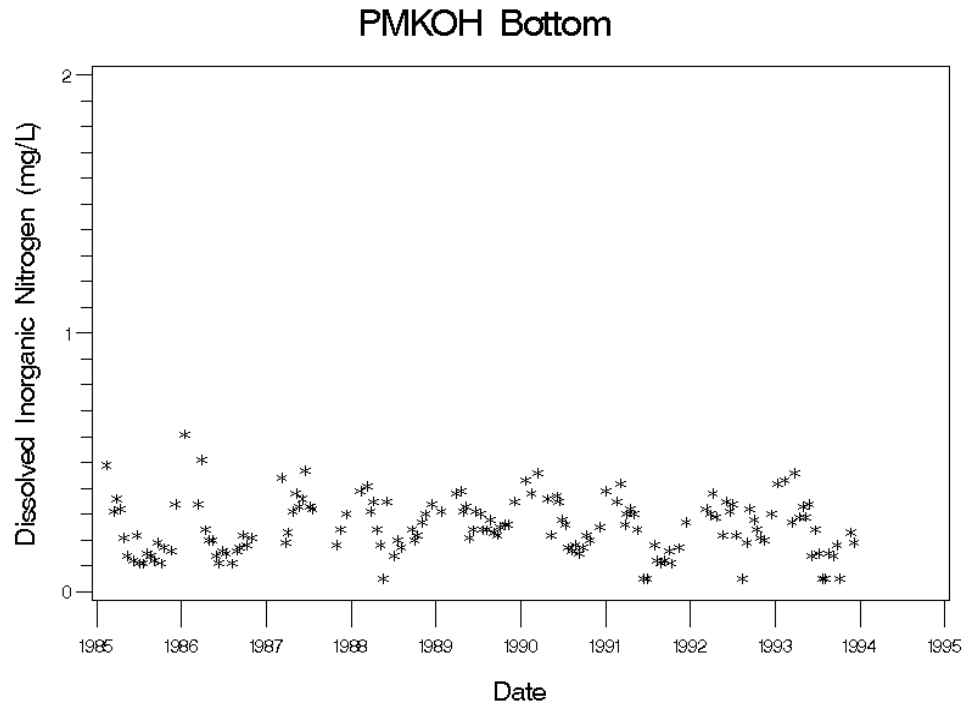


Figure 29. Scatterplots of bottom total nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

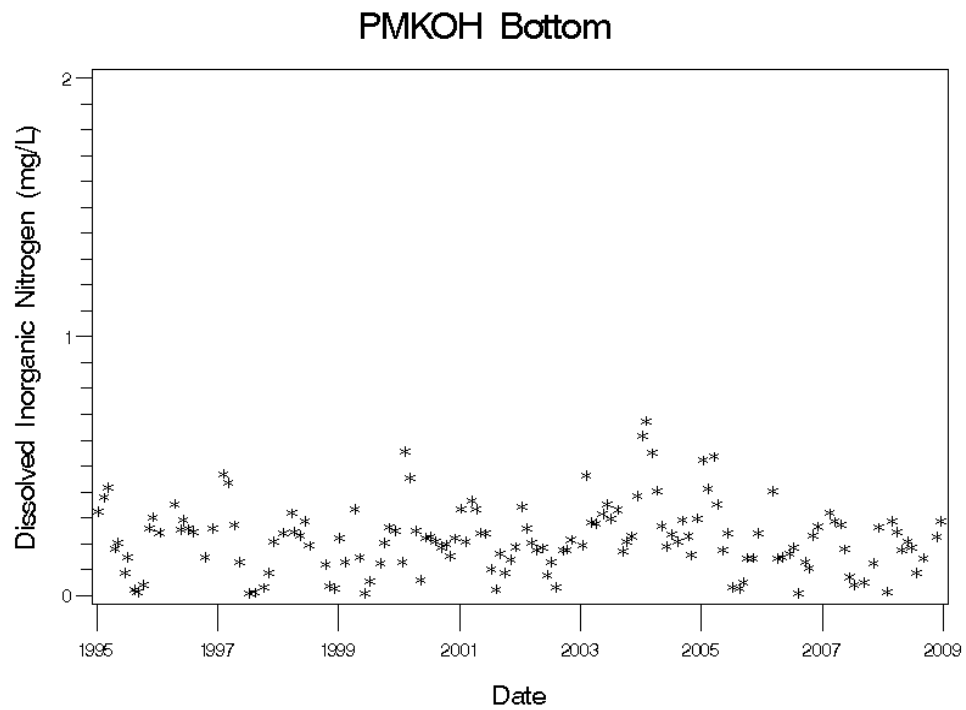
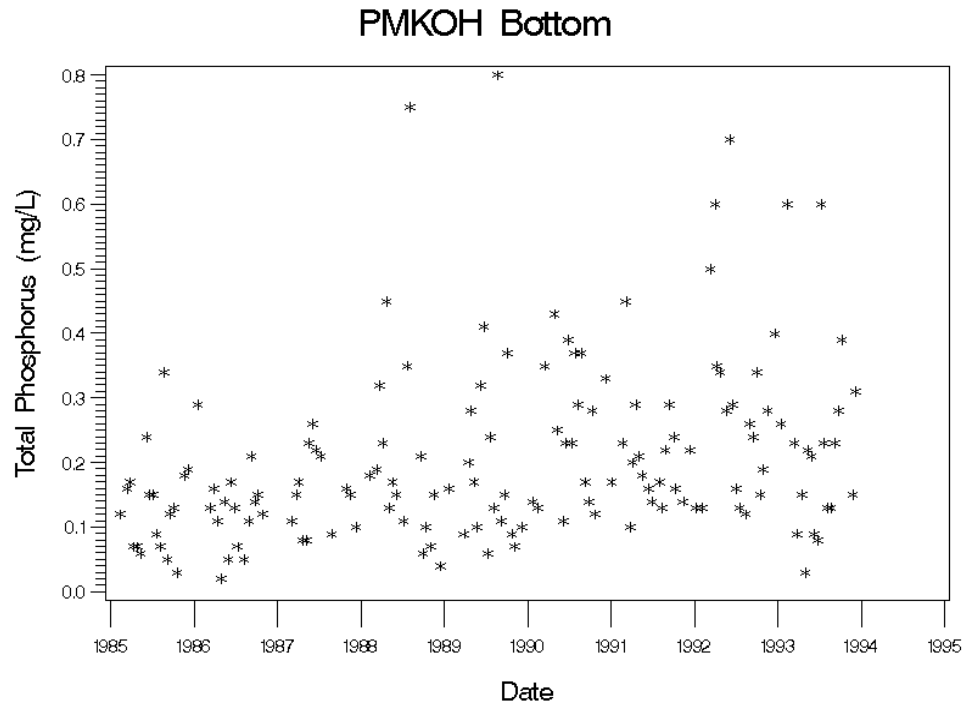


Figure 30. Scatterplots of bottom dissolved inorganic nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

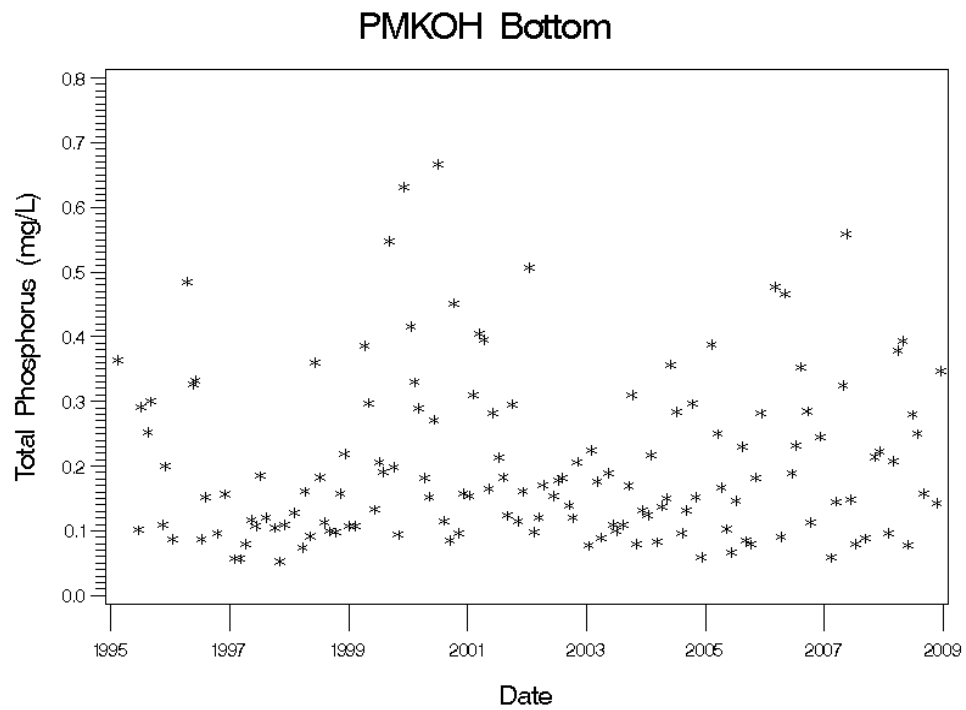
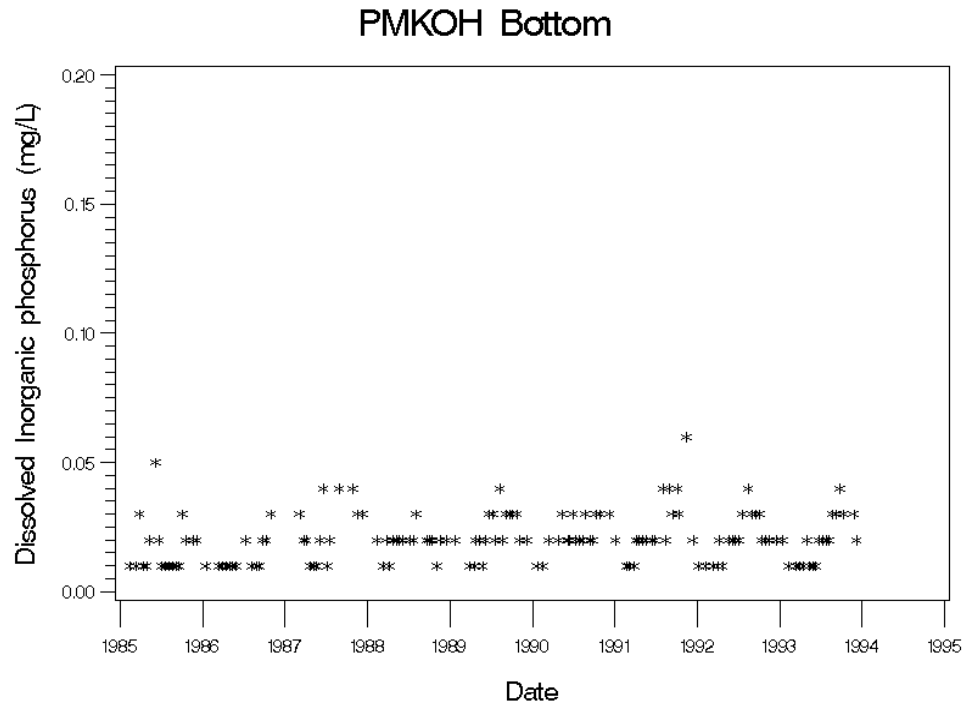


Figure 31. Scatterplots of bottom total phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

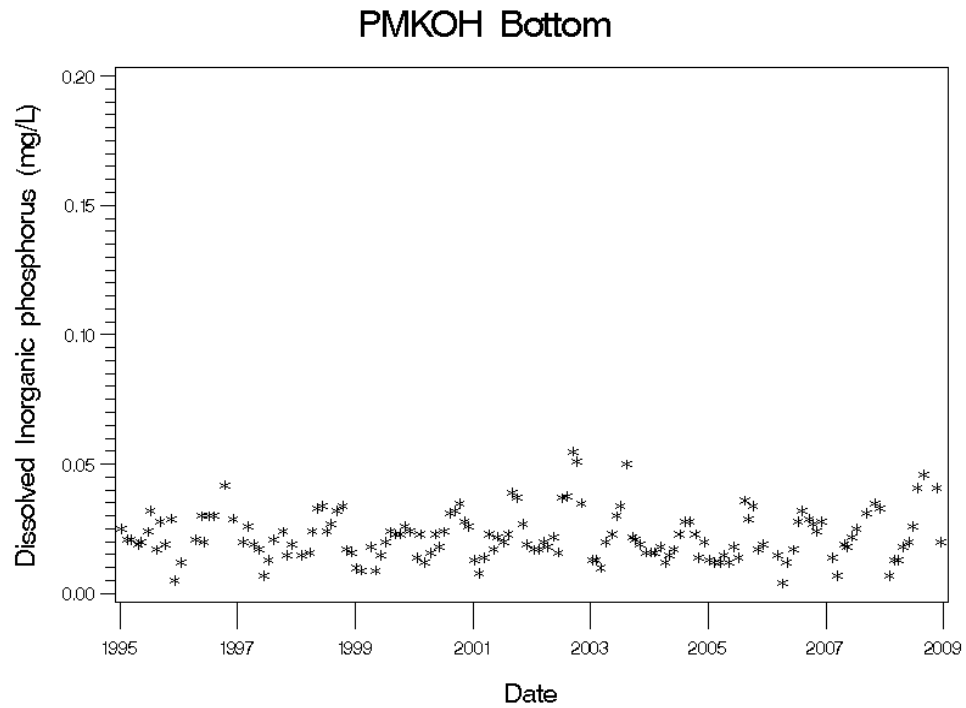


Figure 32. Scatterplots of bottom dissolved inorganic phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

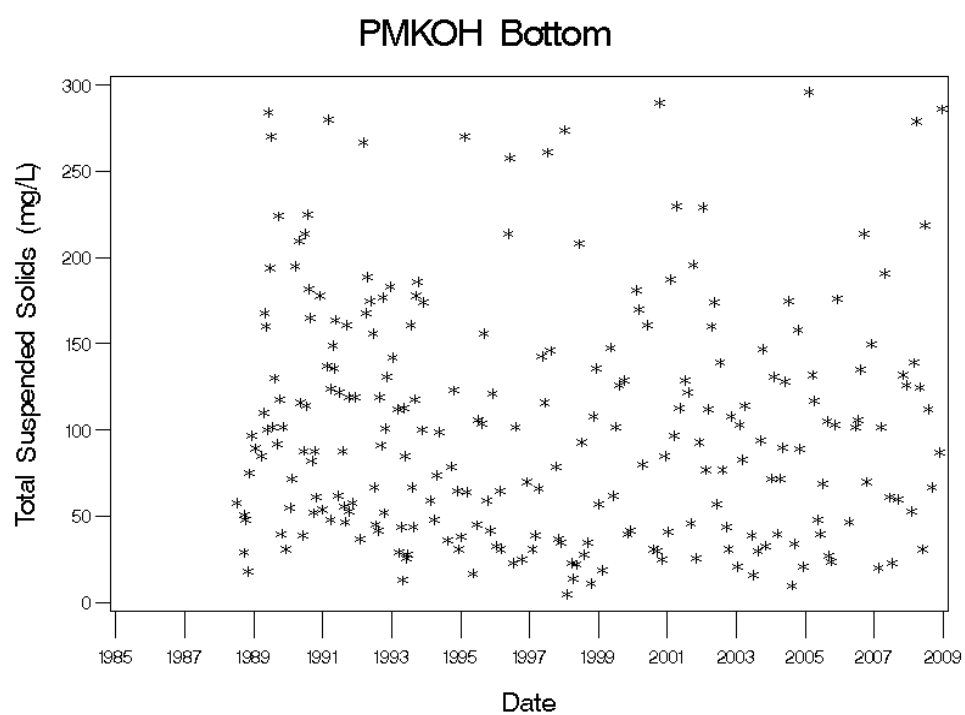


Figure 33. Scatterplot of bottom total suspended solids at segment PMKOH during the period 1985 to 2008.

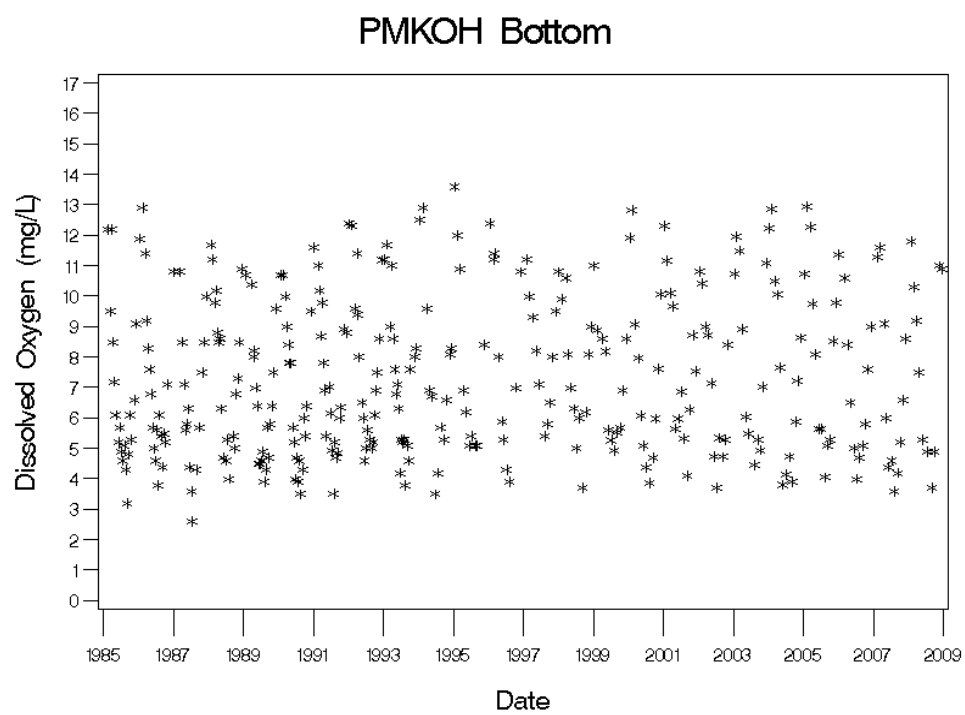


Figure 34. Scatterplot of bottom dissolved oxygen at segment PMKOH during the period 1985 to 2008.

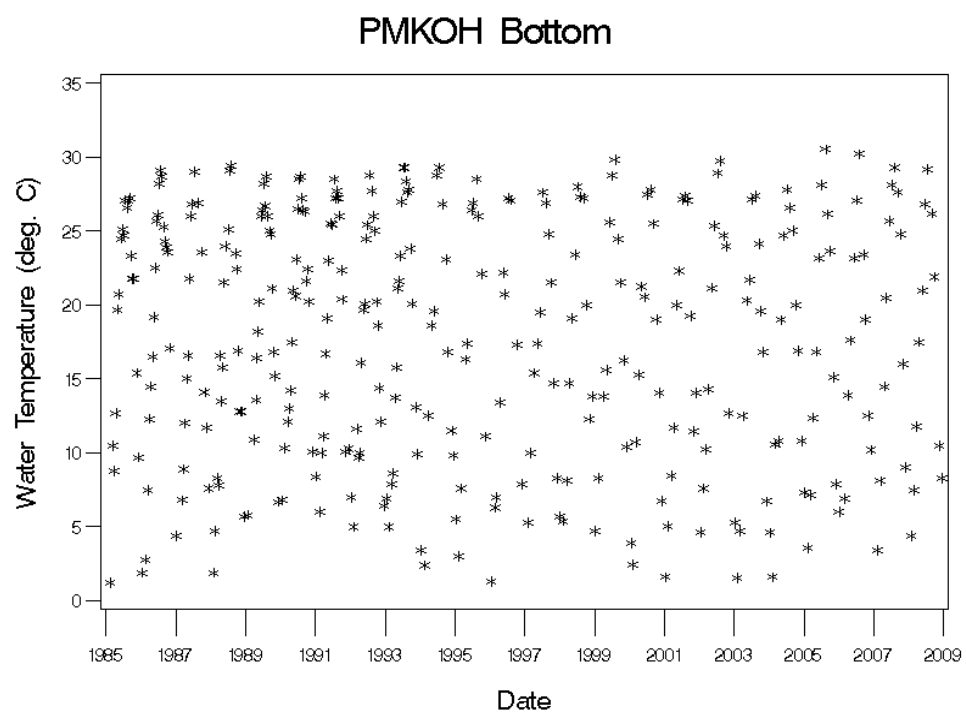


Figure 35. Scatterplot of bottom water temperature at segment PMKOH during the period 1985 to 2008.

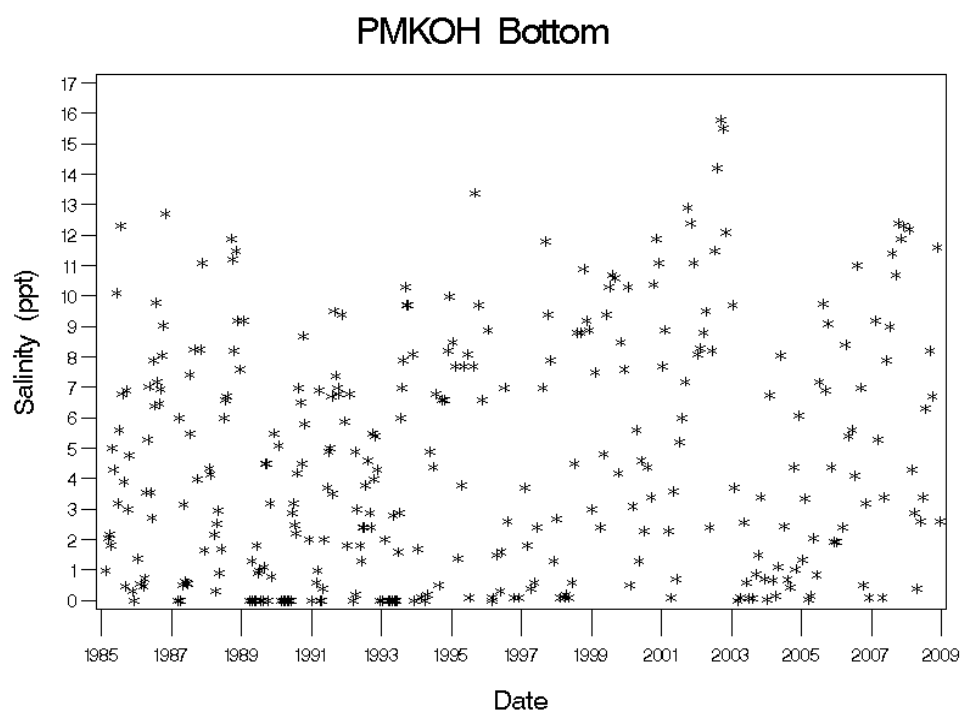
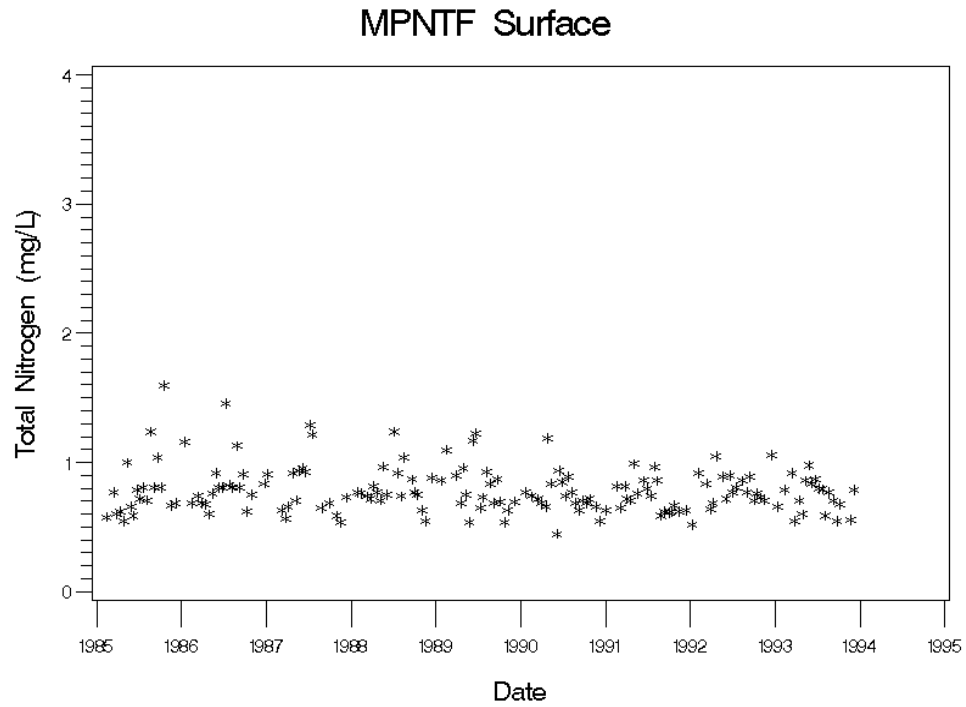


Figure 36. Scatterplot of bottom salinity at segment PMKOH during the period 1985 to 2008.

a) Pre-method change period



b) Post-method change period

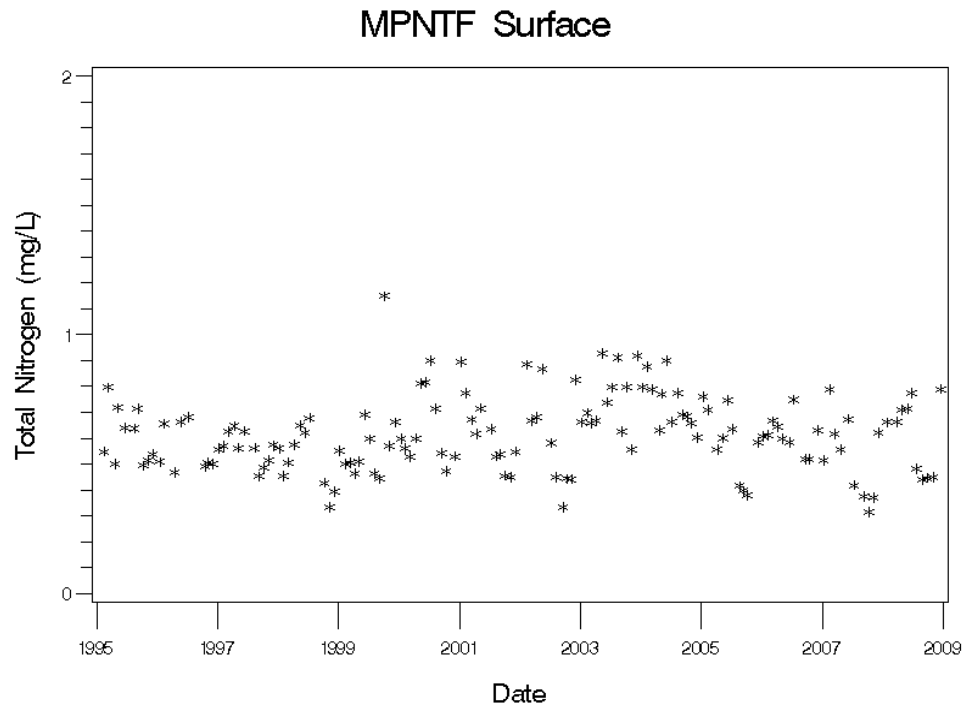
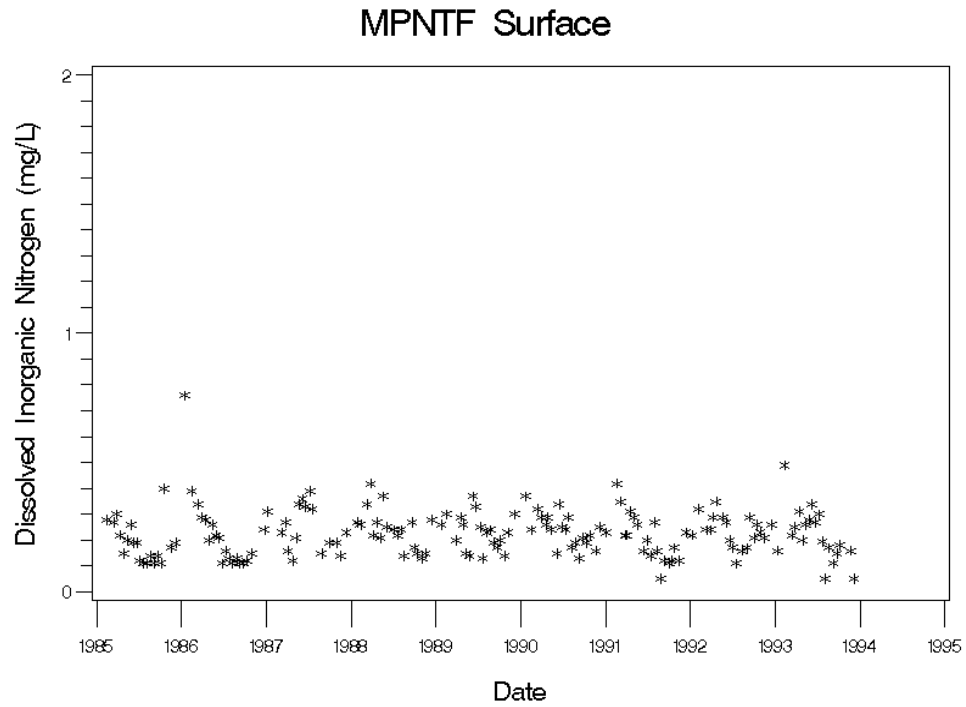


Figure 37. Scatterplots of surface total nitrogen at segment MPNTF during the a) Pre-method change (1985- 1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

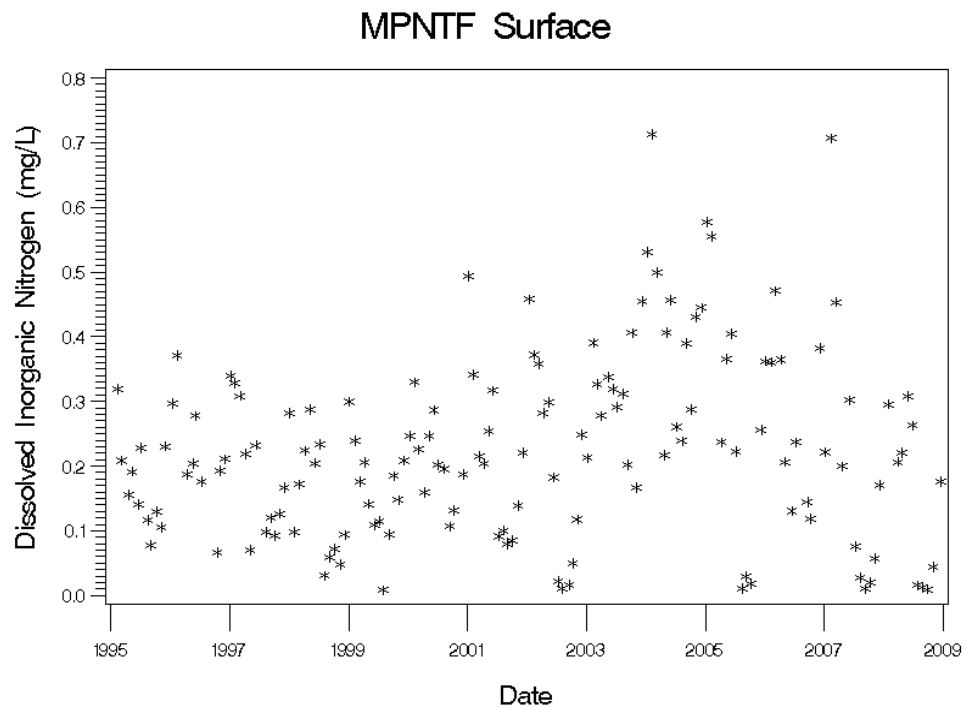
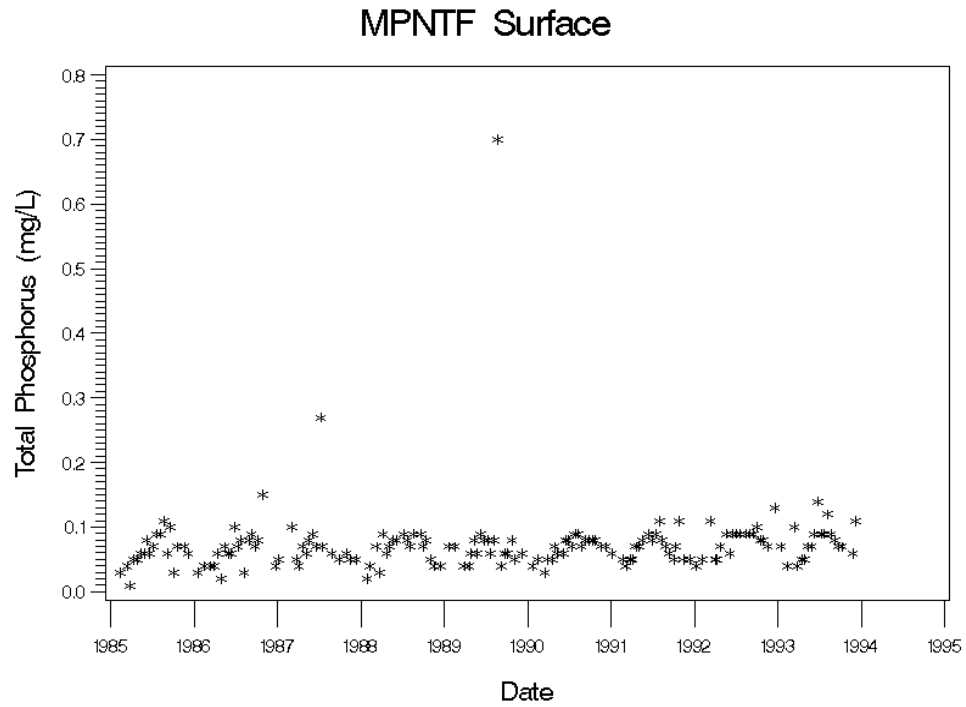


Figure 38. Scatterplots of surface dissolved inorganic nitrogen at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

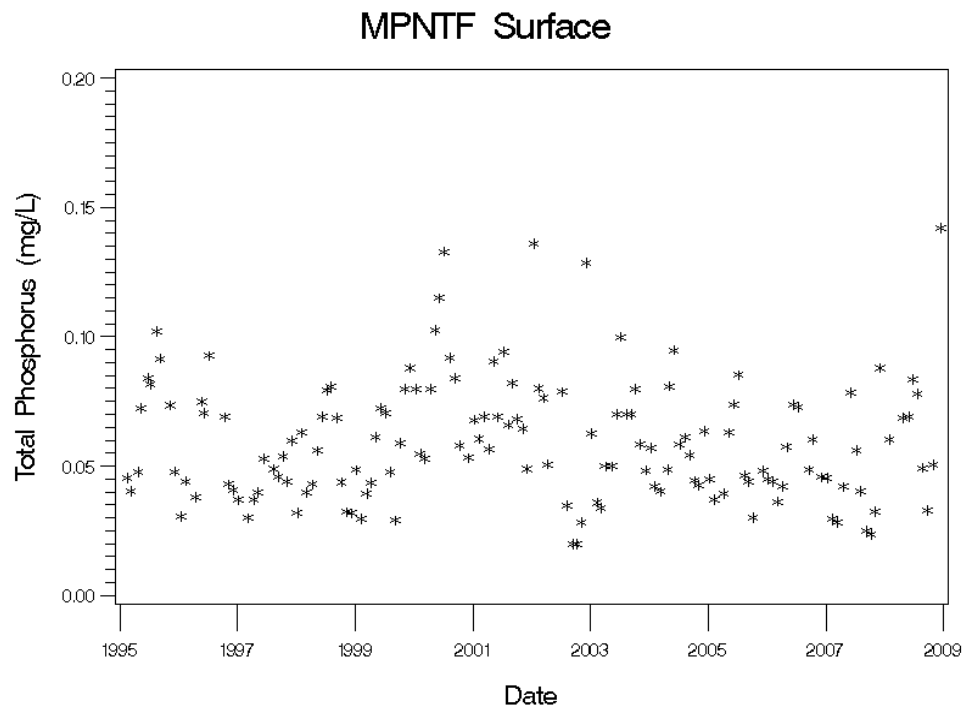
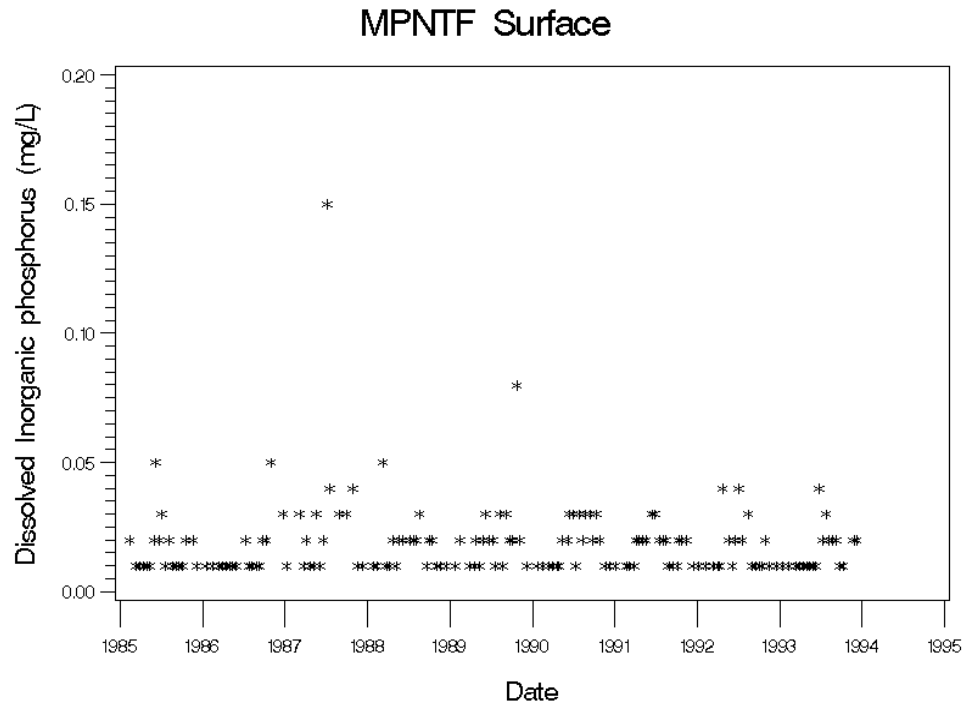


Figure 39. Scatterplots of surface total phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

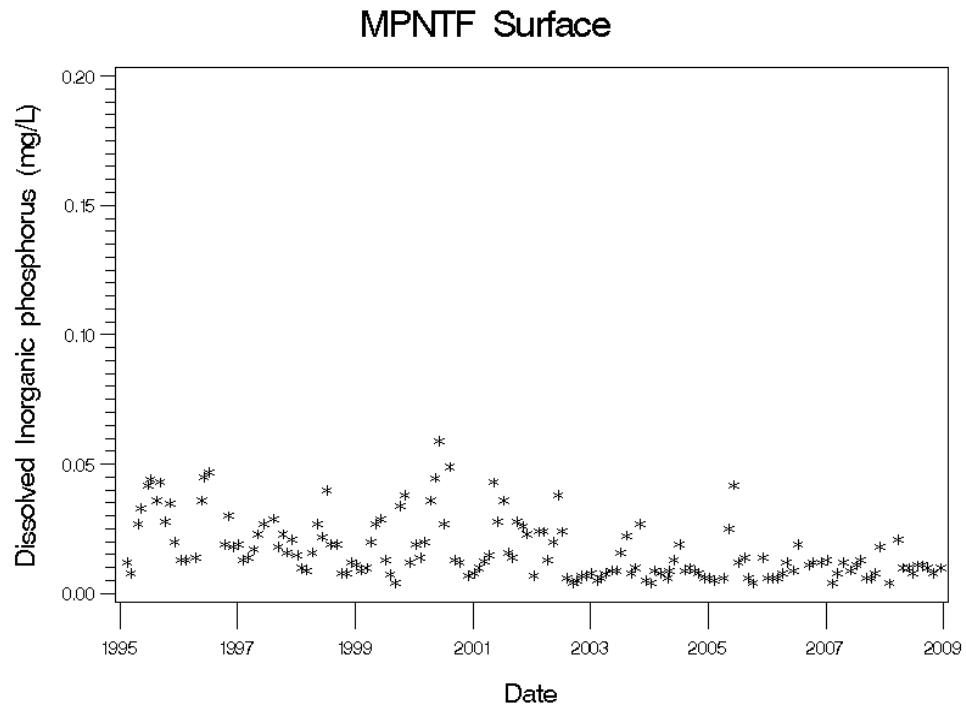


Figure 40. Scatterplots of surface dissolved inorganic phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

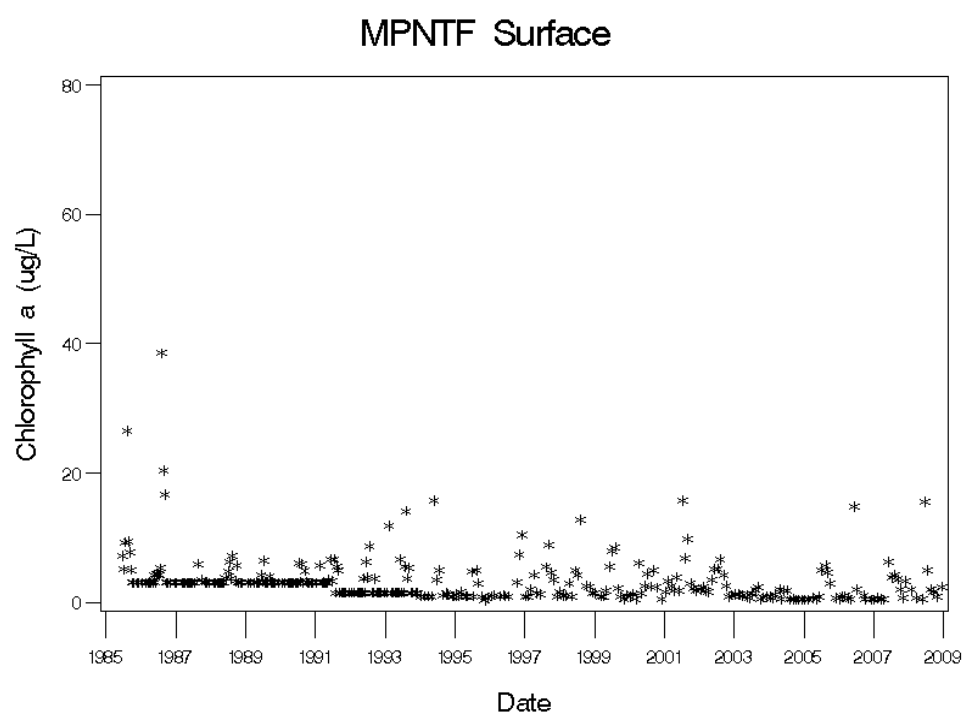


Figure 41. Scatterplot of surface chlorophyll a at segment MPNTF during the period 1985 to 2008.

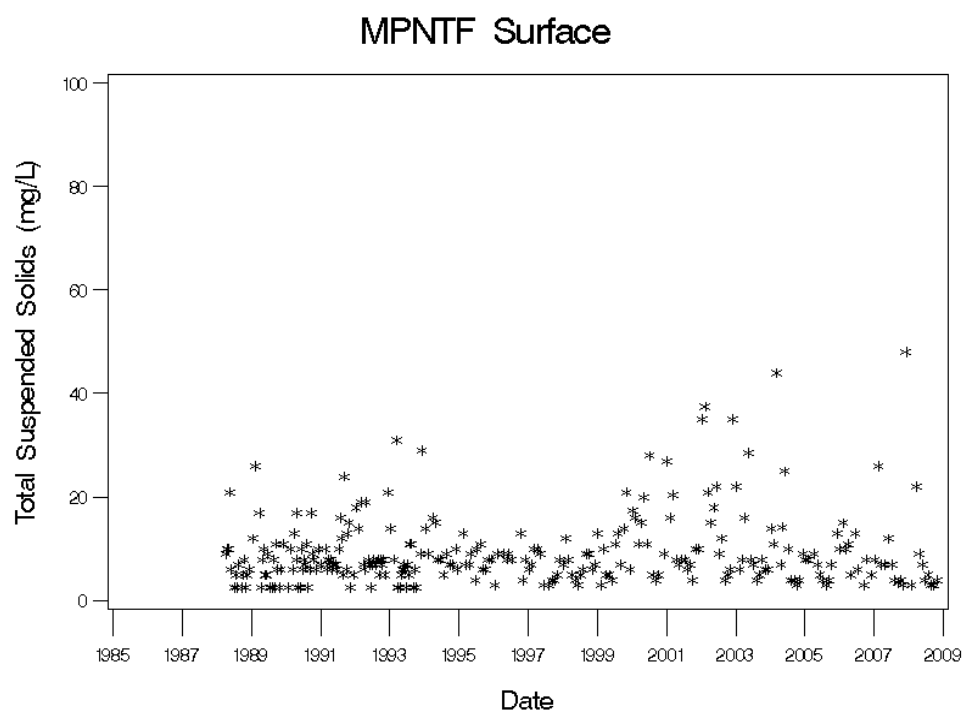


Figure 42. Scatterplot of surface total suspended solids at segment MPNTF during the period 1985 to 2008.

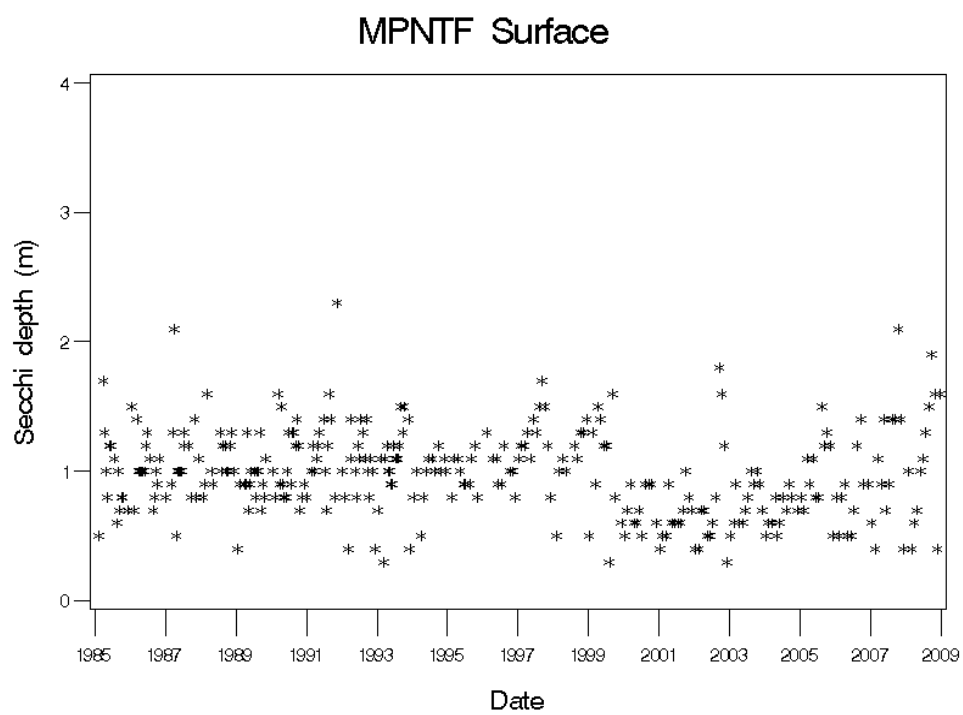


Figure 43. Scatterplot of secchi depth at segment MPNTF during the period 1985 to 2008.

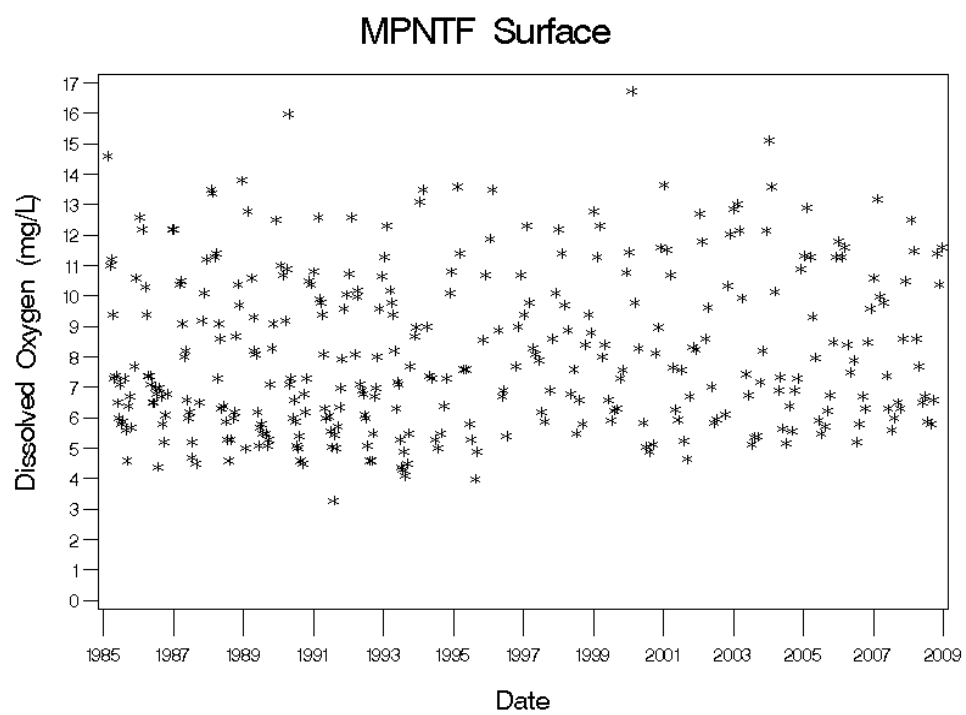


Figure 44. Scatterplot of surface dissolved oxygen at segment MPNTF during the period 1985 to 2008.

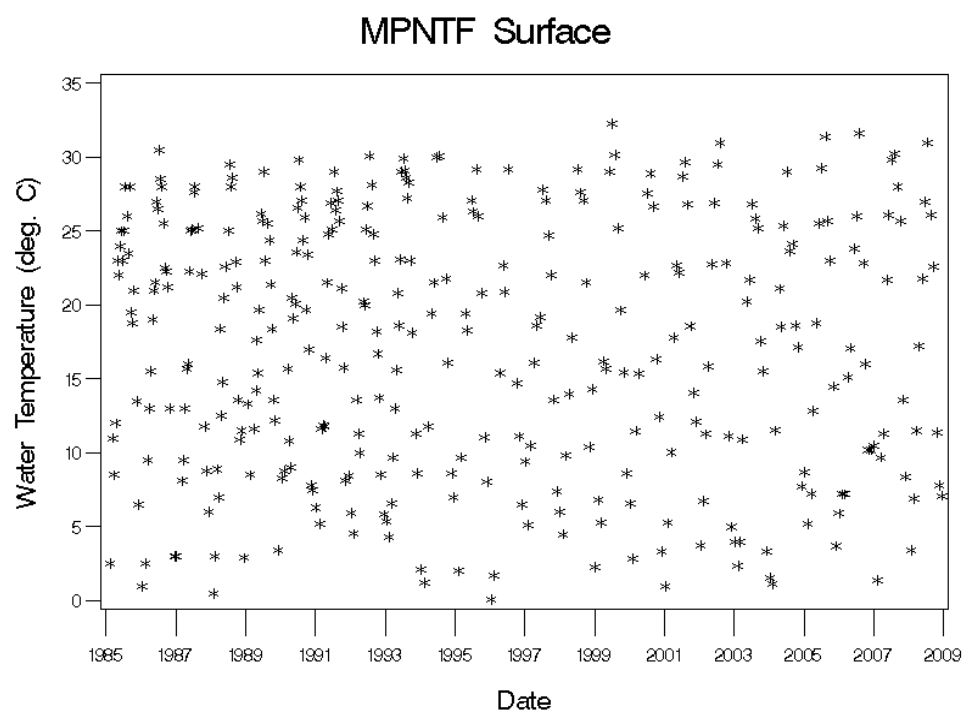


Figure 45. Scatterplot of surface water temperature at segment MPNTF during the period 1985 to 2008.

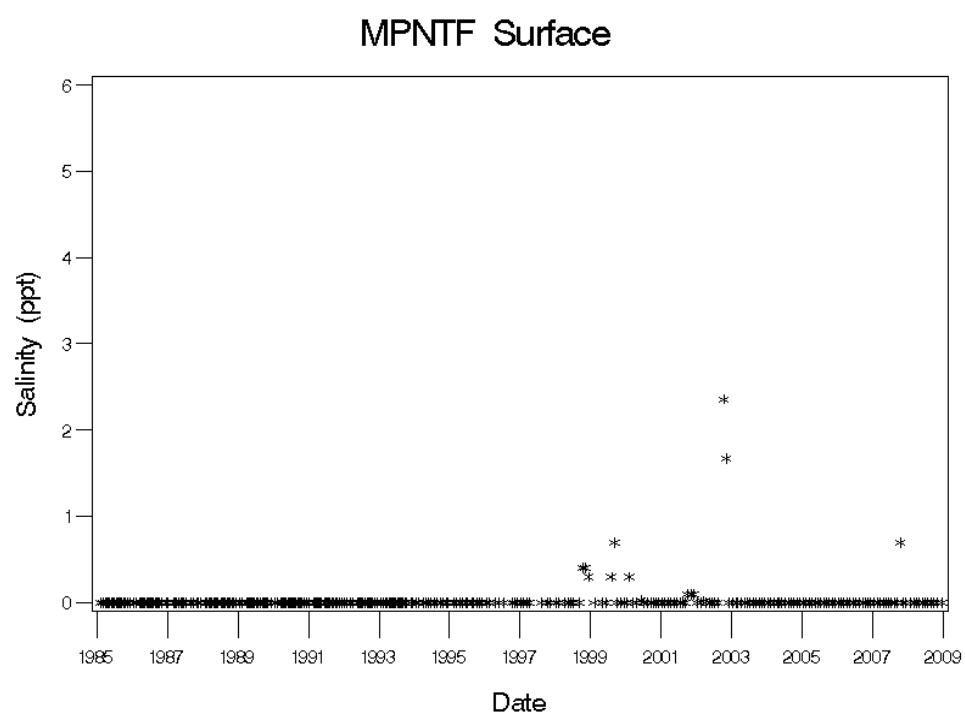
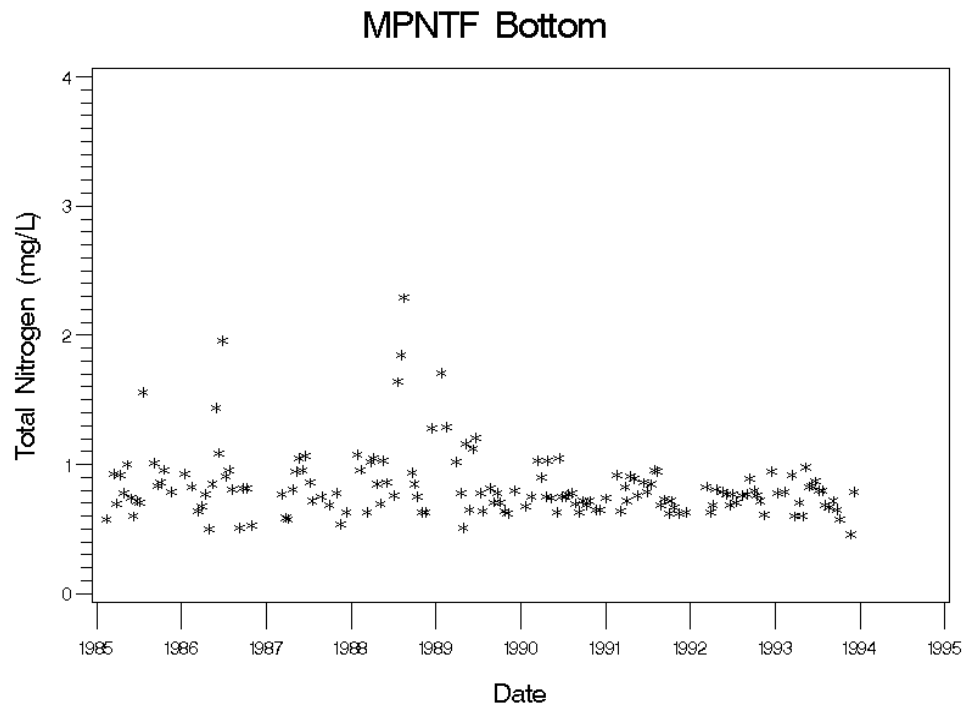


Figure 46. Scatterplot of surface salinity at segment MPNTF during the period 1985 to 2008.

a) Pre-method change period



b) Post-method change period

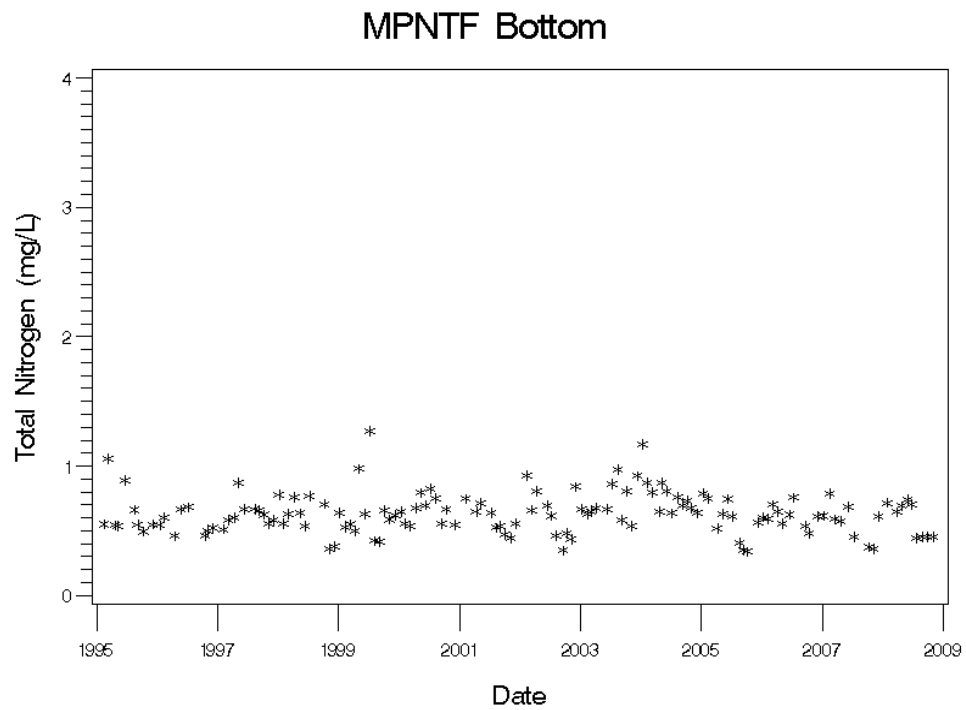
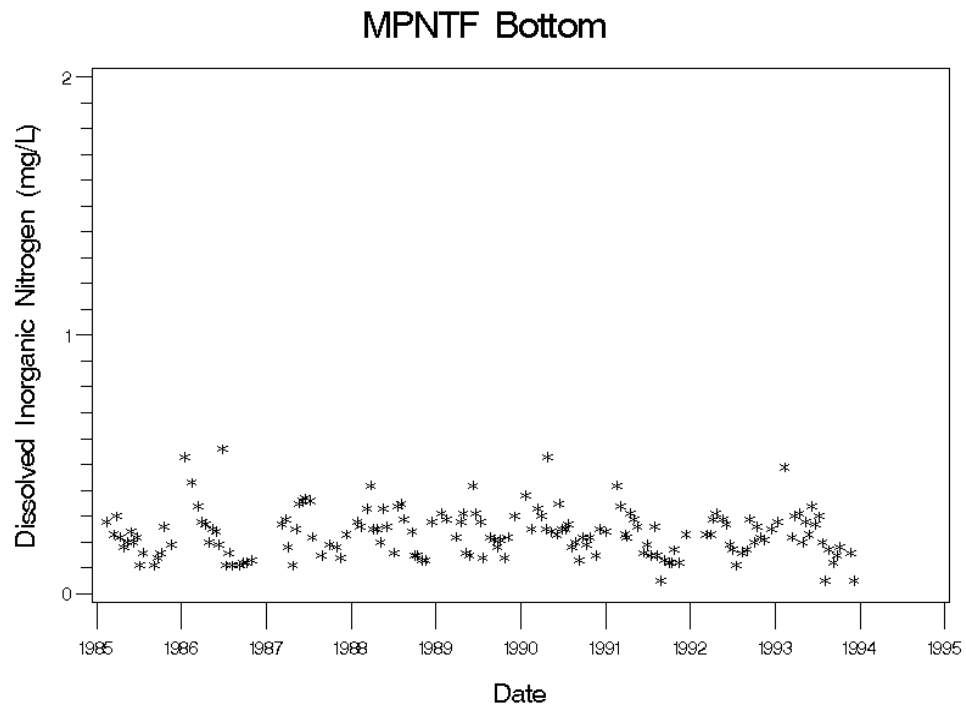


Figure 47. Scatterplots of bottom total nitrogen at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

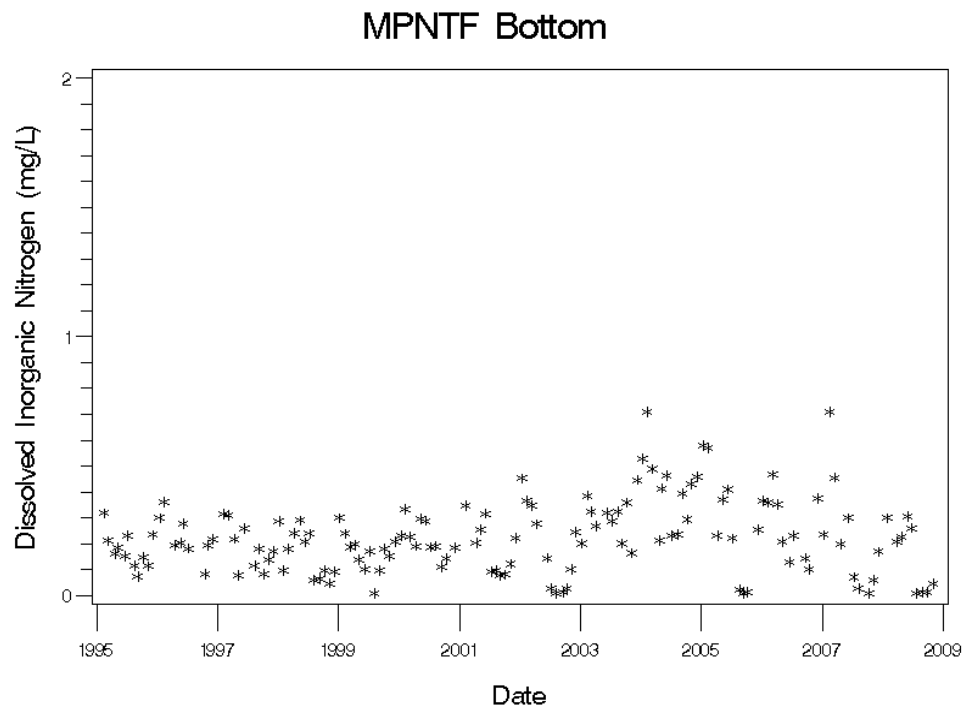
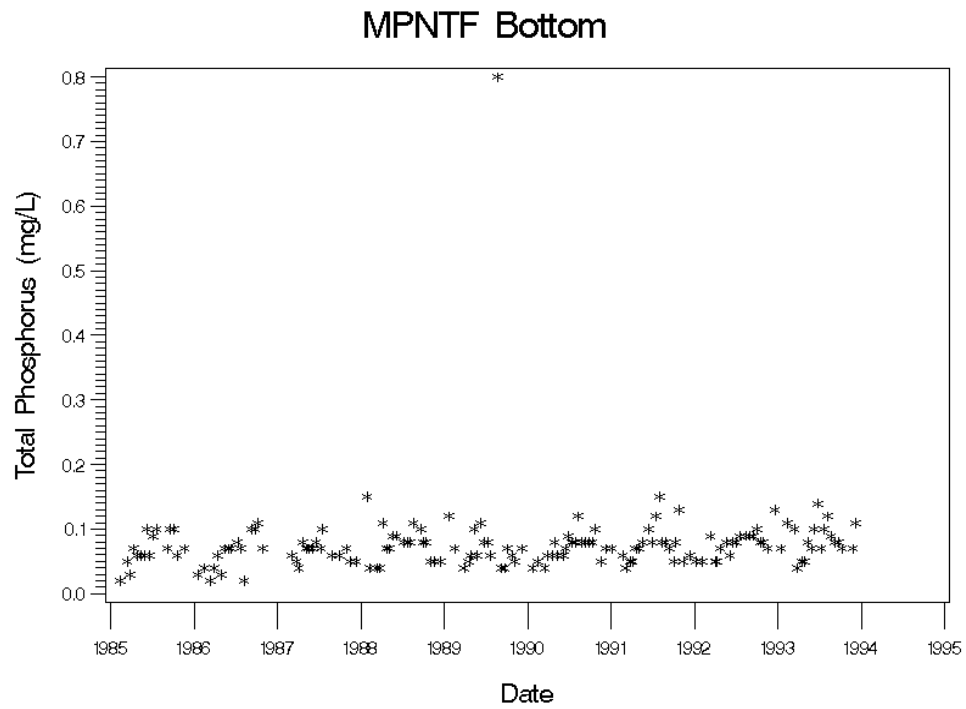


Figure 48. Scatterplots of bottom dissolved inorganic nitrogen at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

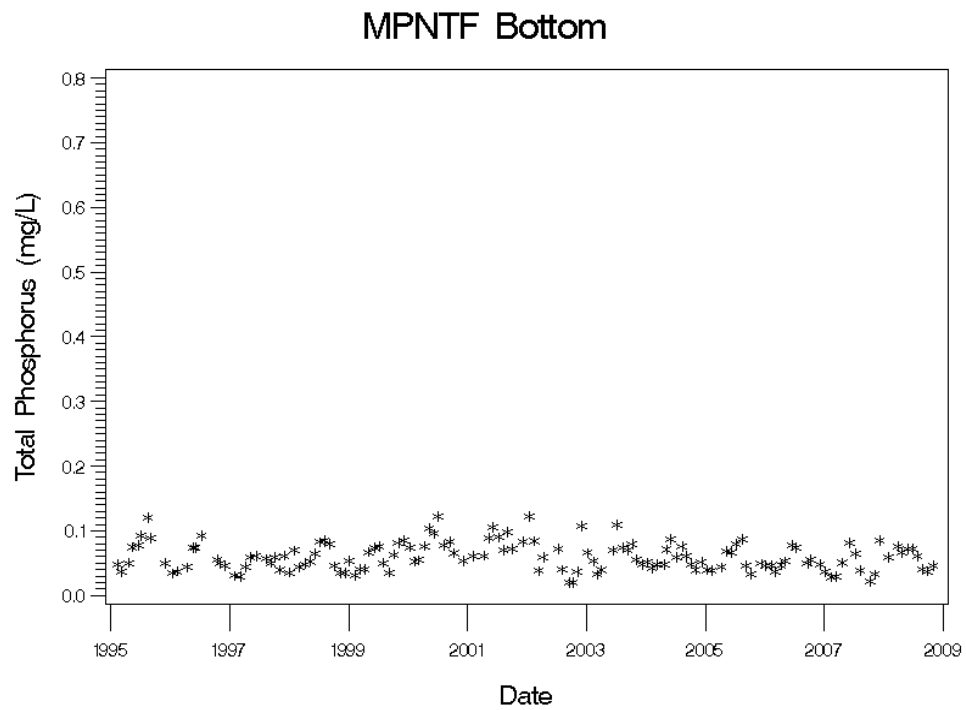
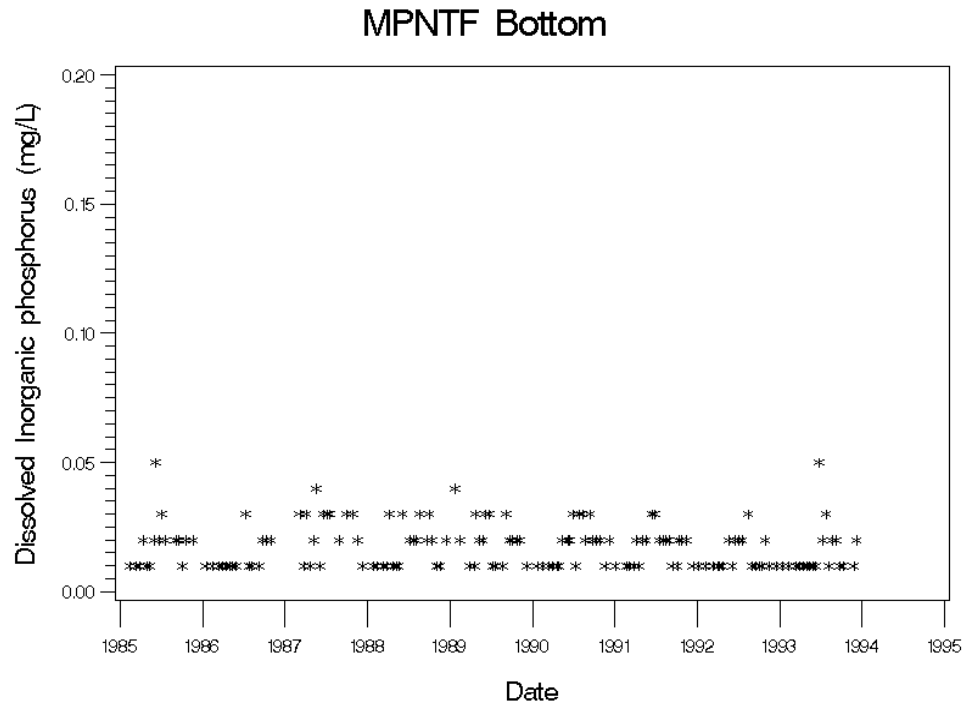


Figure 49. Scatterplots of bottom total phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

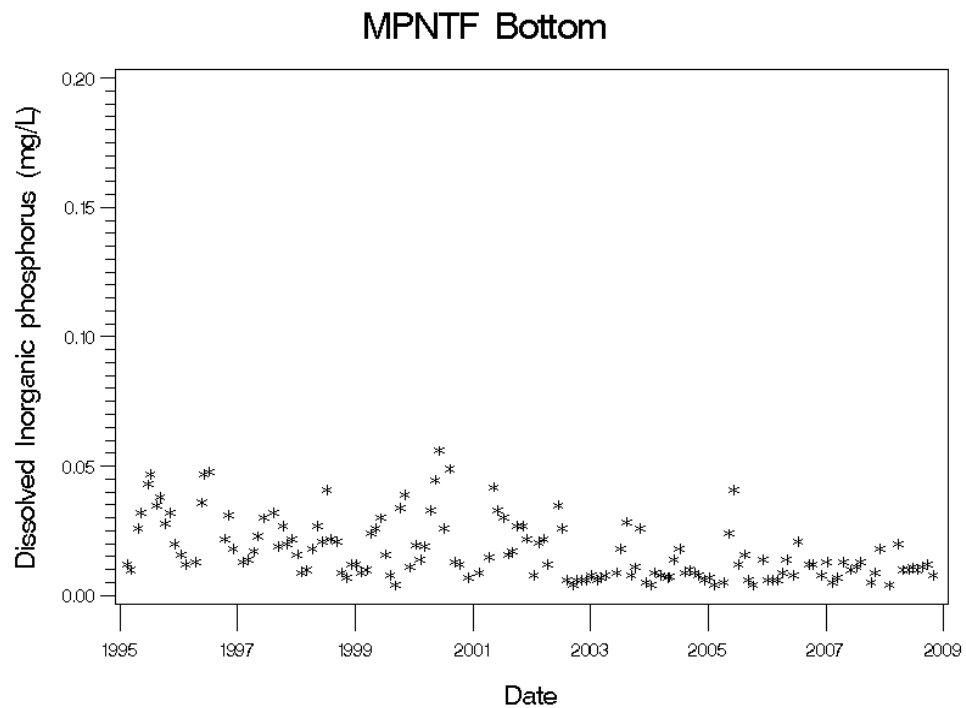


Figure 50. Scatterplots of bottom dissolved inorganic phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

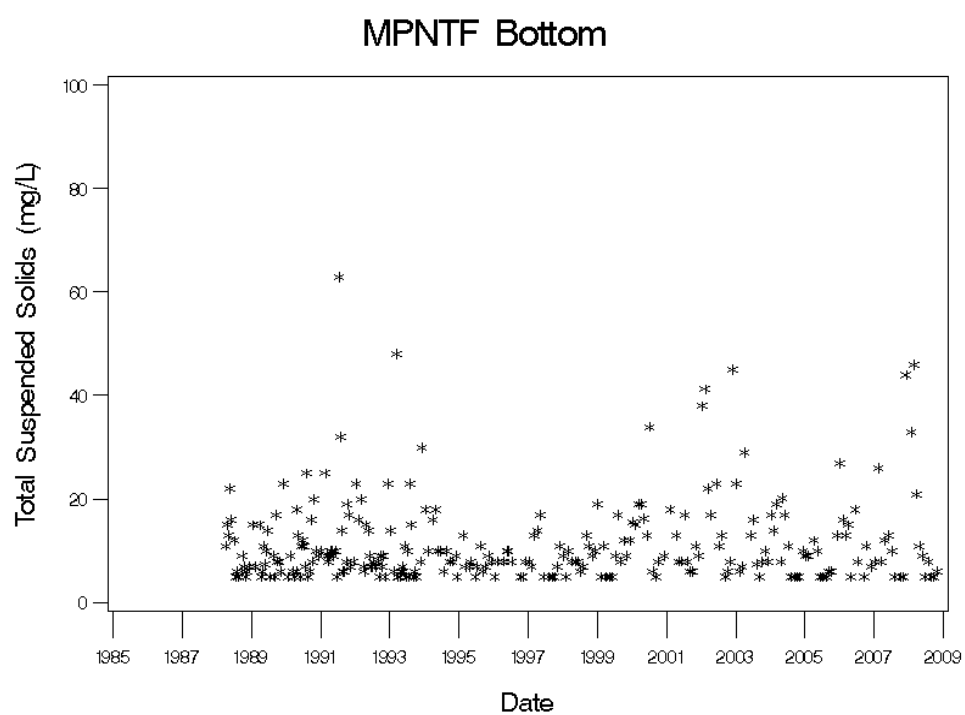


Figure 51. Scatterplot of bottom total suspended solids at segment MPNTF during the period 1985 to 2008.

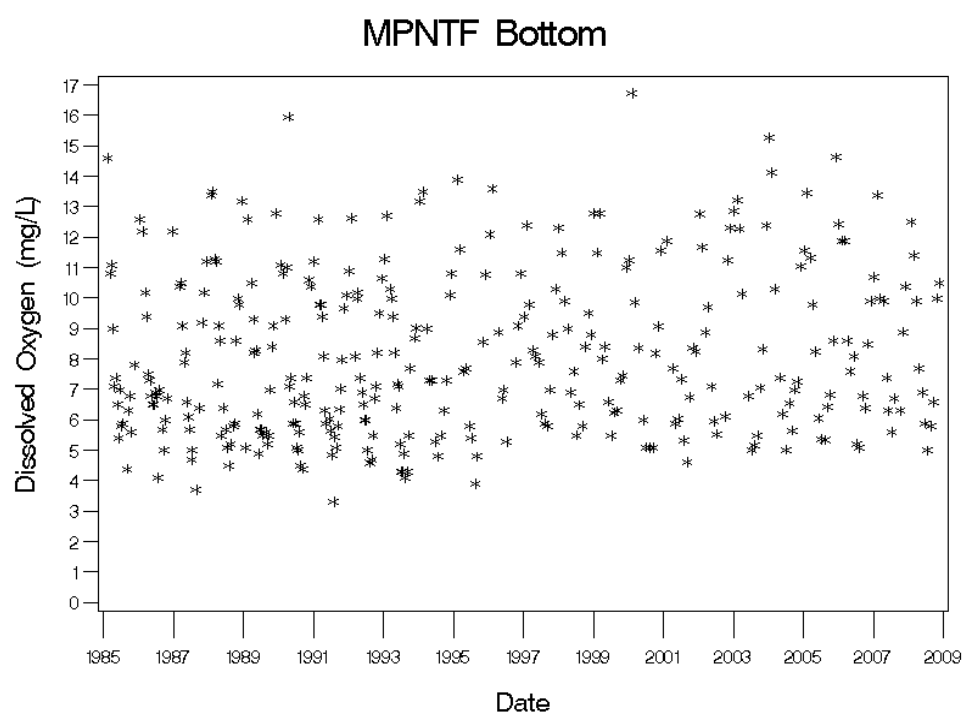


Figure 52. Scatterplot of bottom dissolved oxygen at segment MPNTF during the period 1985 to 2008.

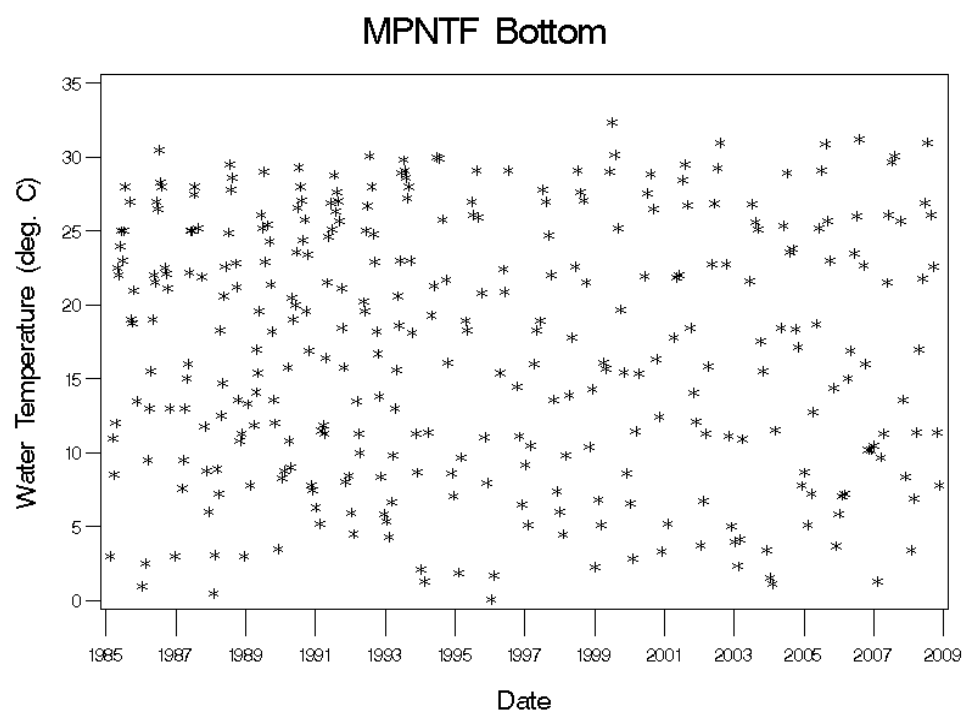


Figure 53. Scatterplot of bottom water temperature at segment MPNTF during the period 1985 to 2008.

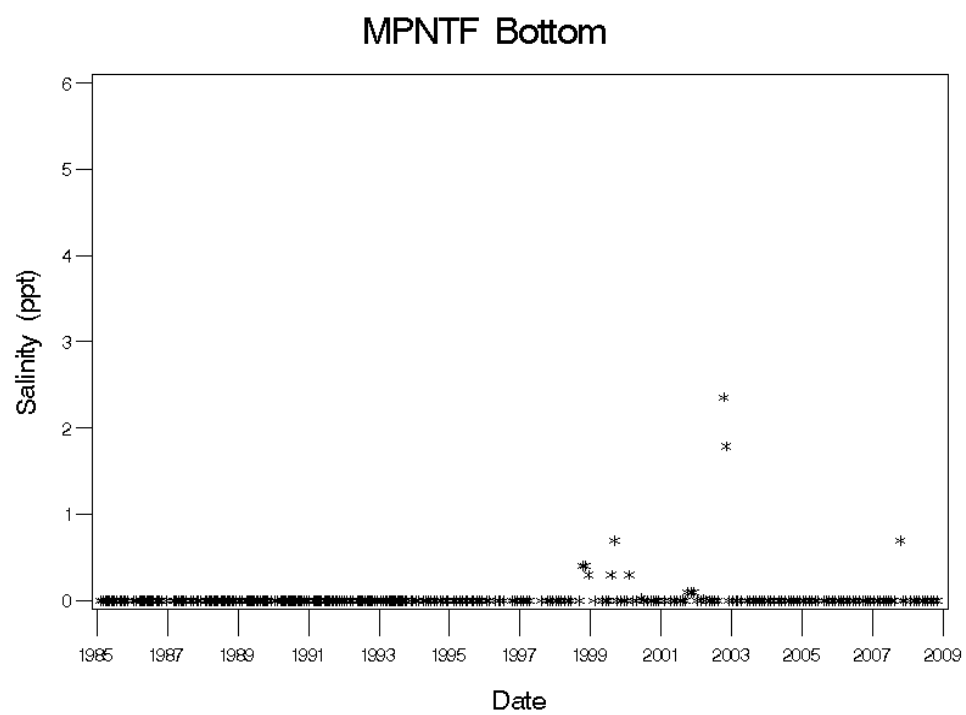
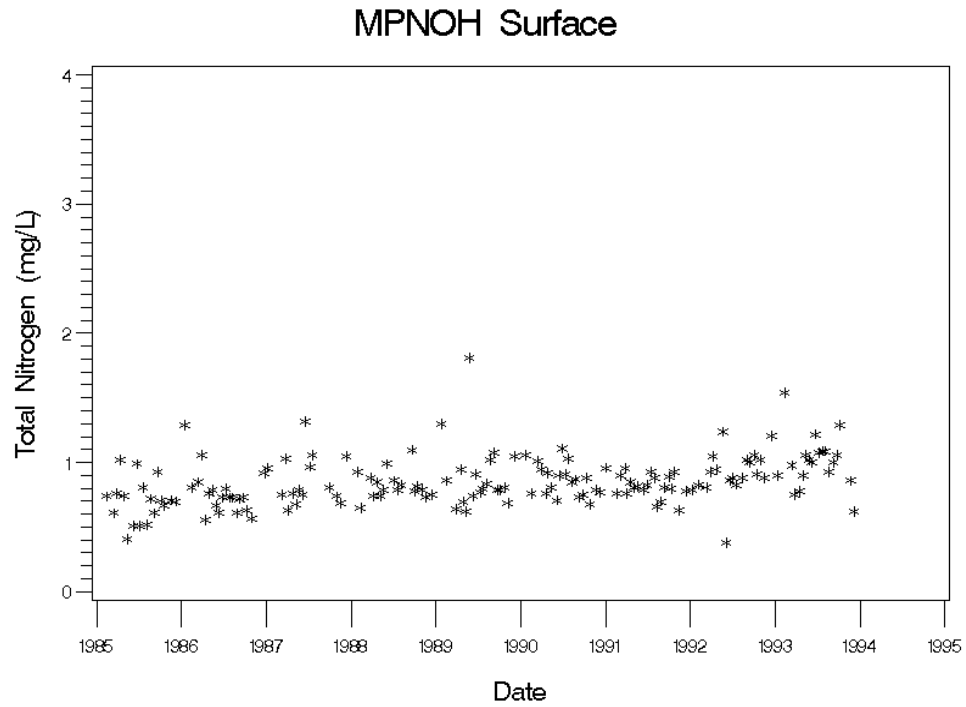


Figure 54. Scatterplot of bottom salinity at segment MPNTF during the period 1985 to 2008.

a) Pre-method change period



b) Post-method change period

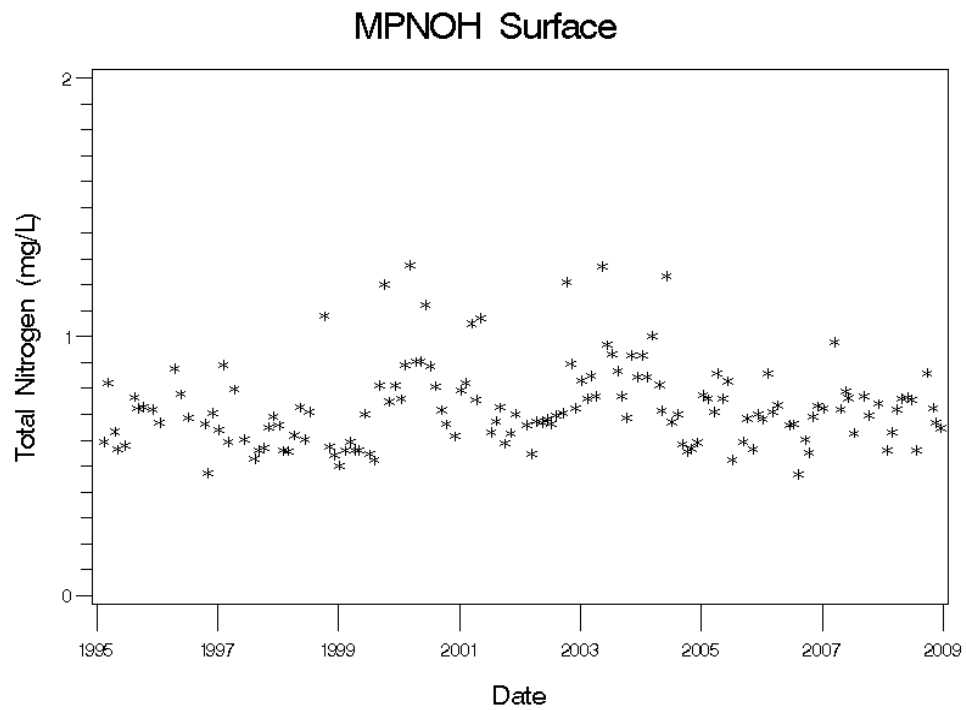
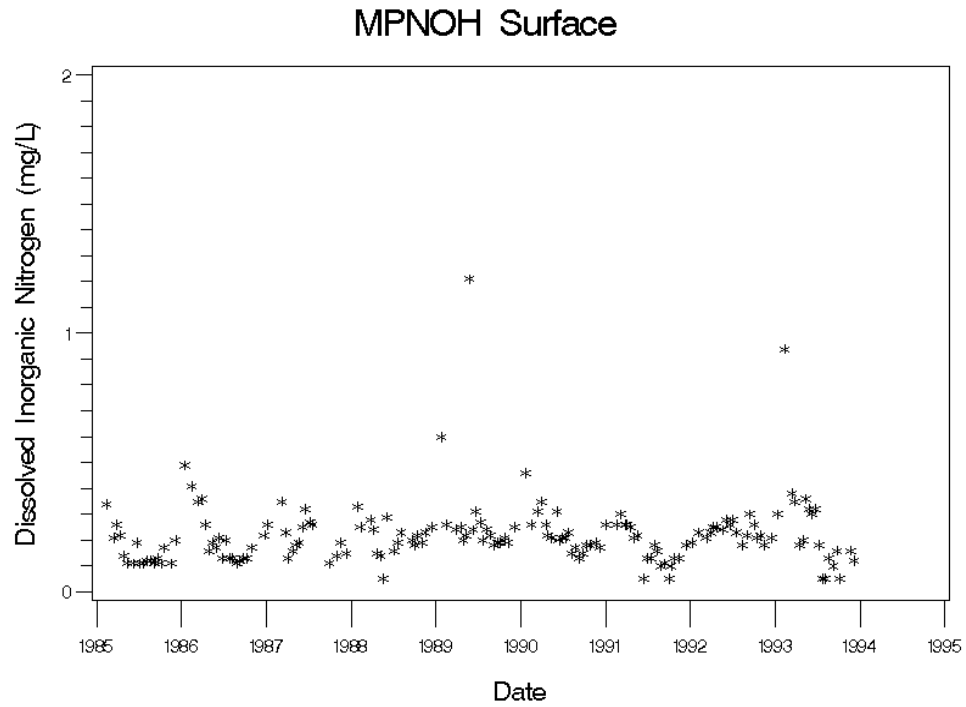


Figure 55. Scatterplots of surface total nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

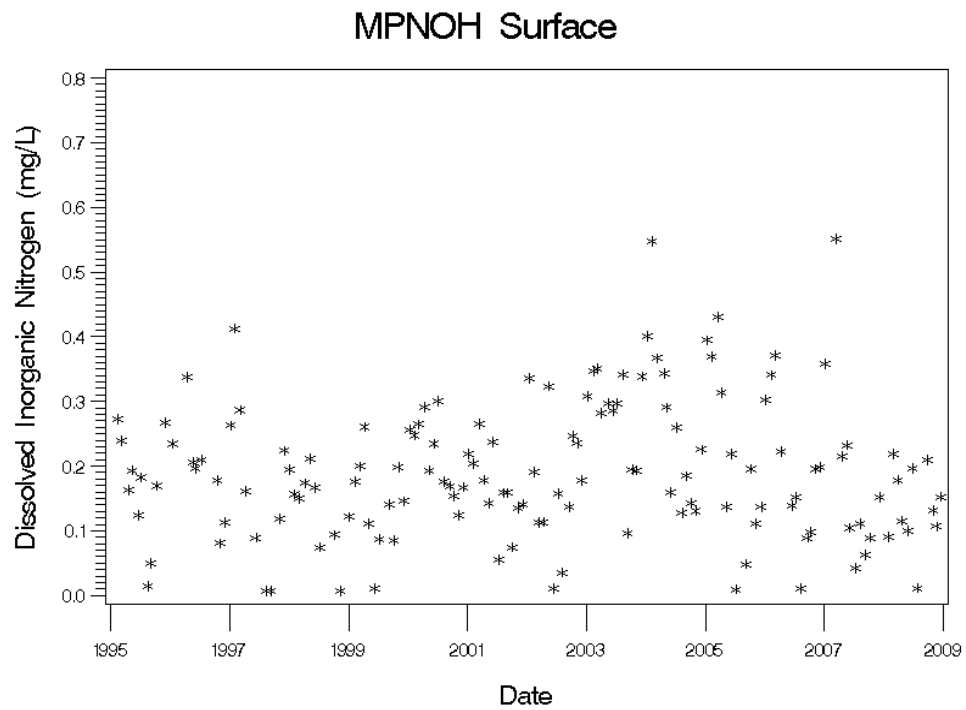
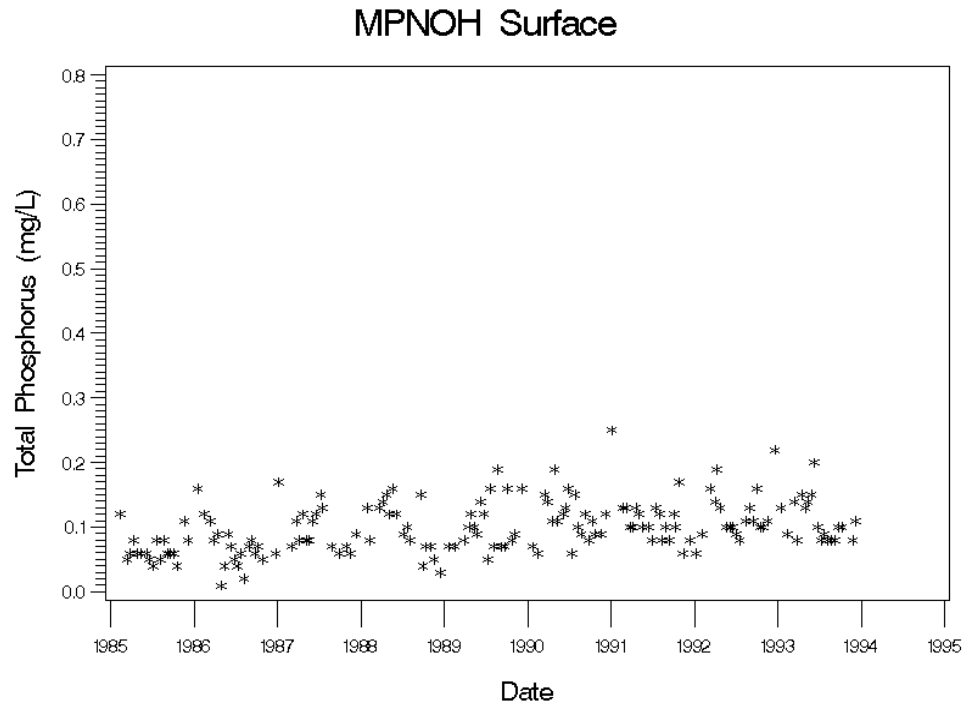


Figure 56. Scatterplots of surface dissolved inorganic nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

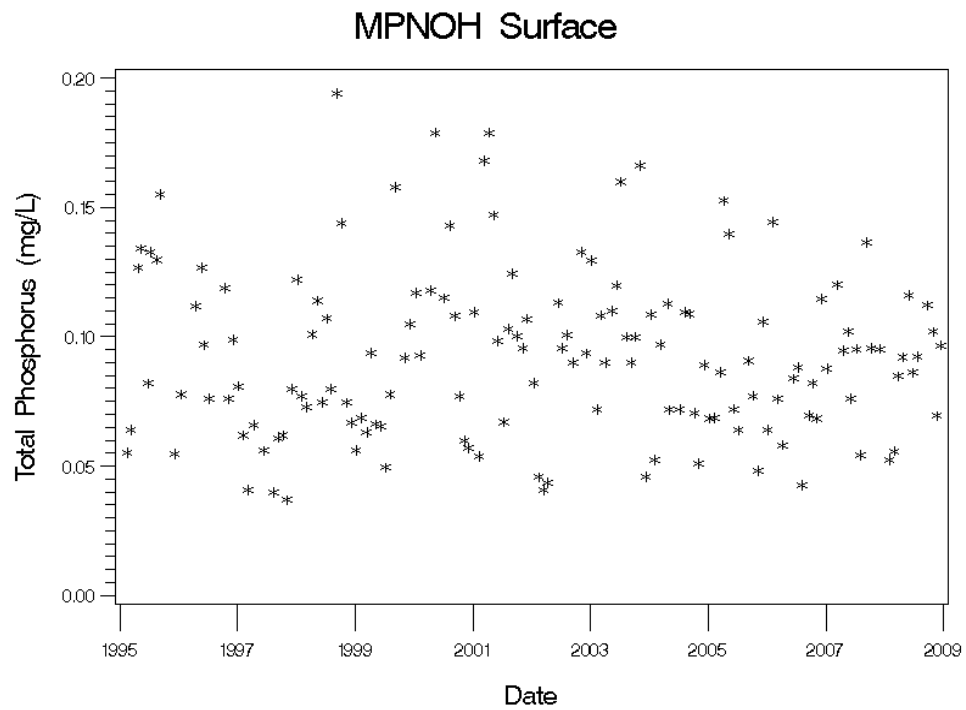
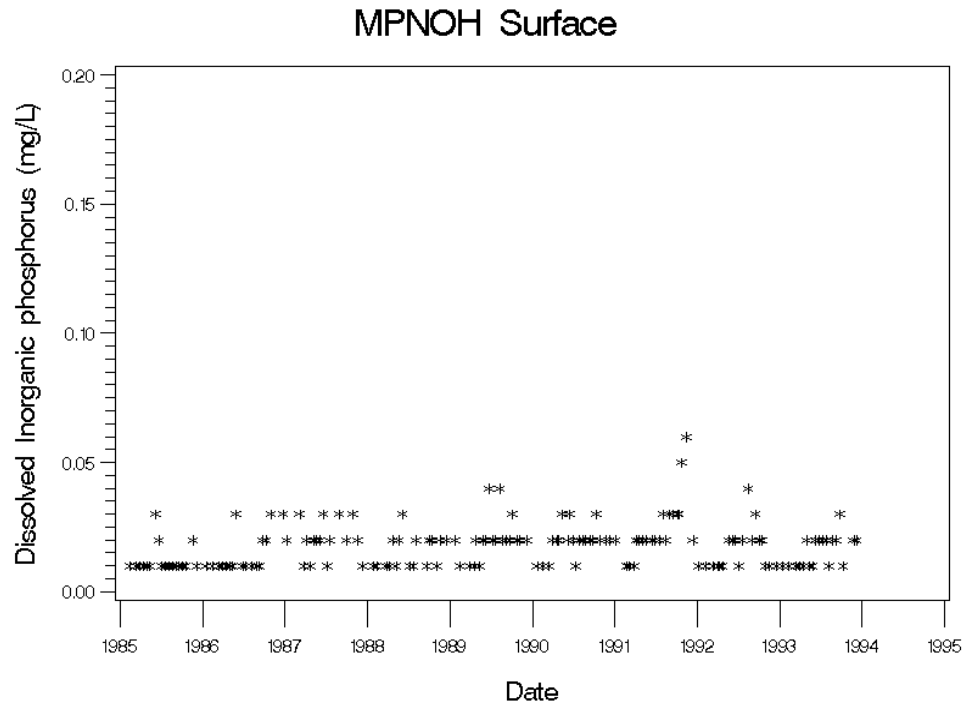


Figure 57. Scatterplots of surface total phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

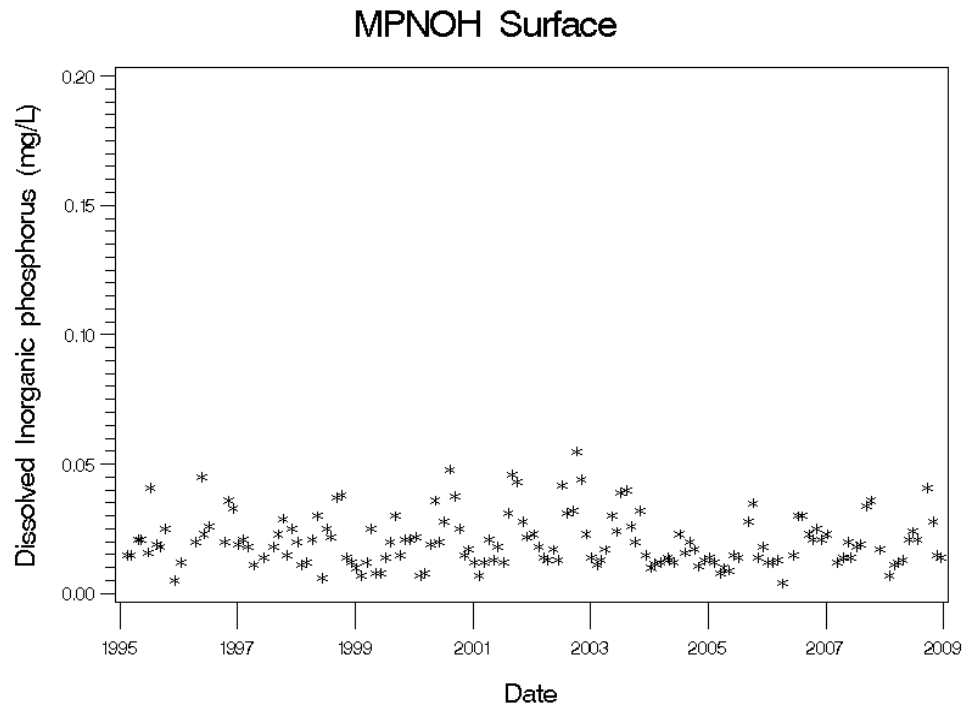


Figure 58. Scatterplots of surface dissolved inorganic phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

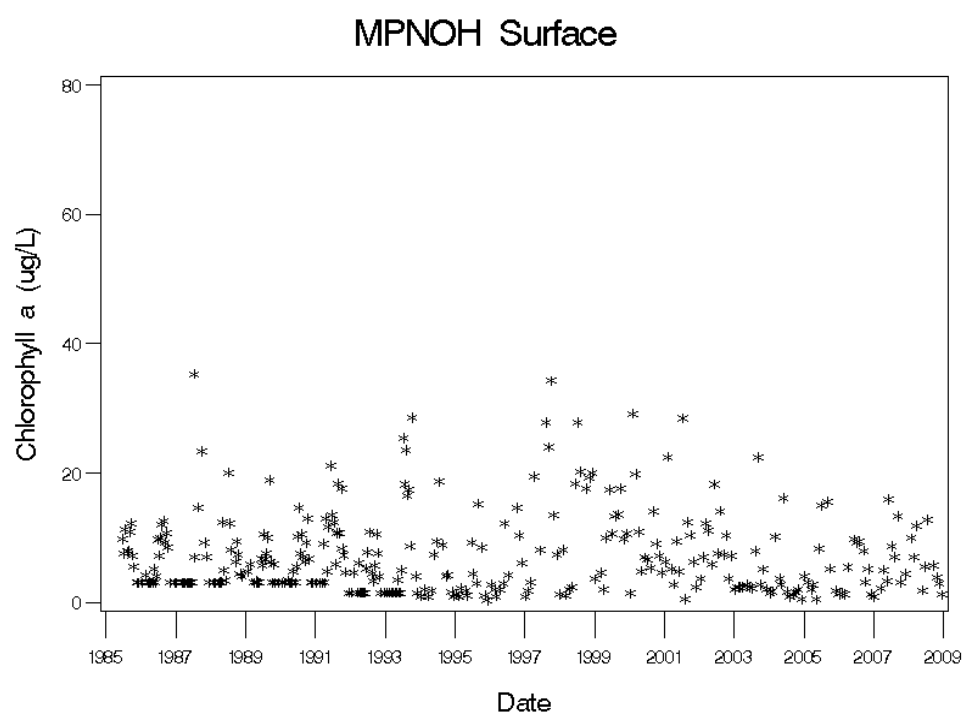


Figure 59. Scatterplot of surface chlorophyll a at segment MPNOH during the period 1985 to 2008.

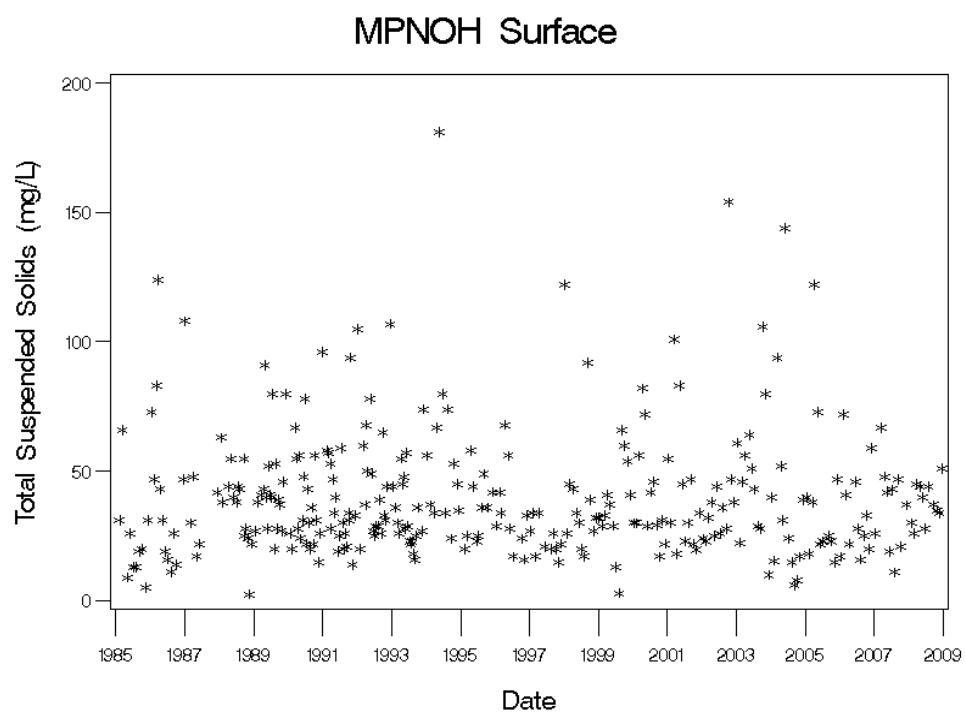


Figure 60. Scatterplot of surface total suspended solids at segment MPNOH during the period 1985 to 2008.

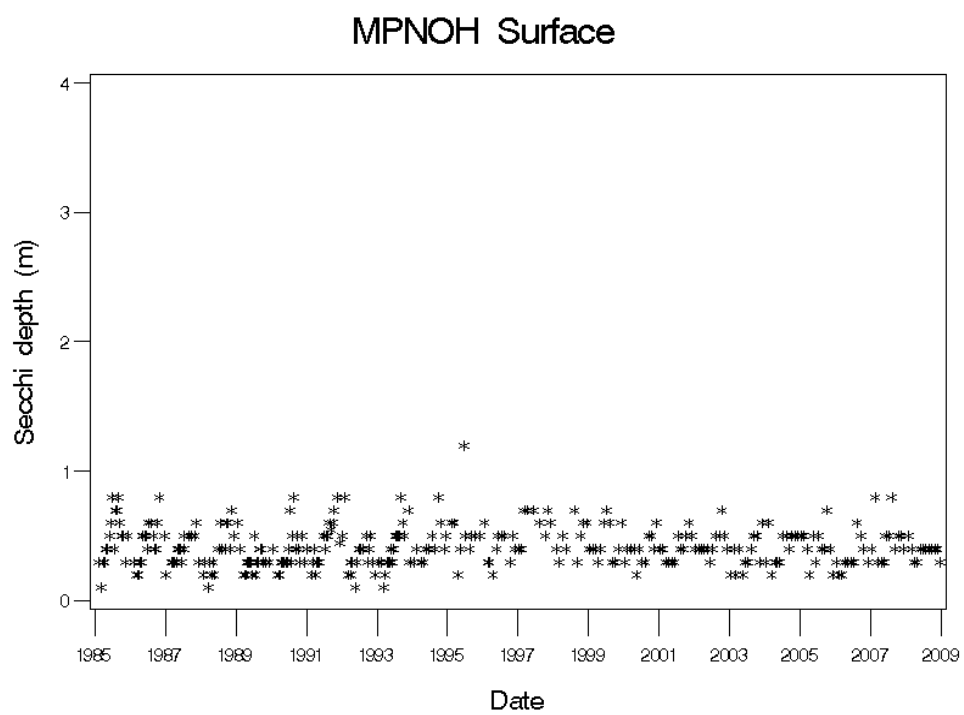


Figure 61. Scatterplot of secchi depth at segment MPNOH during the period 1985 to 2008.

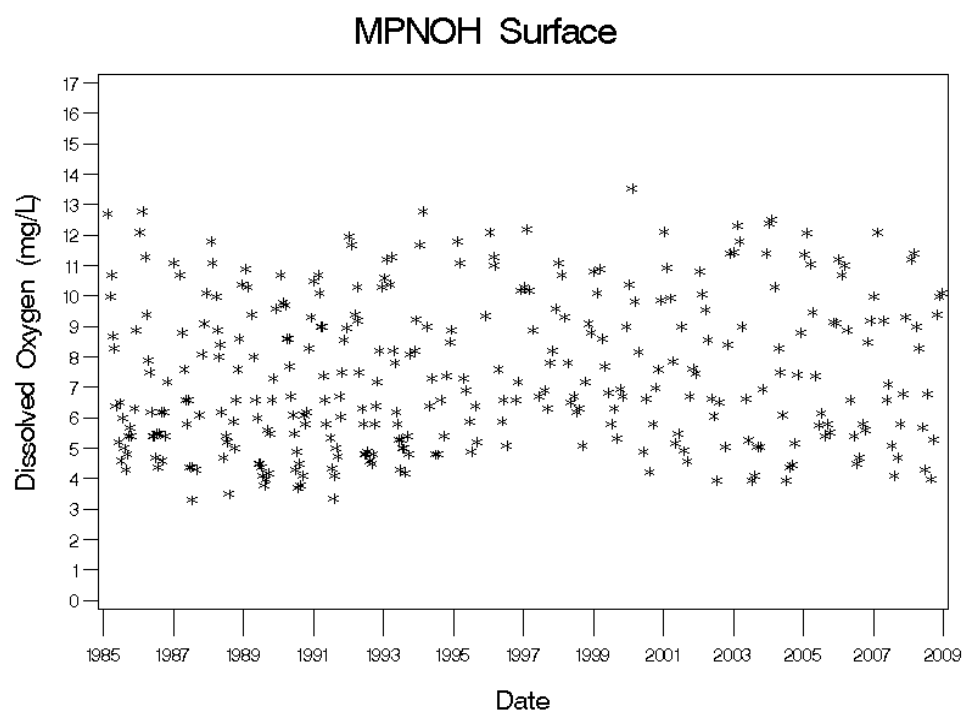


Figure 62. Scatterplot of surface dissolved oxygen at segment MPNOH during the period 1985 to 2008.

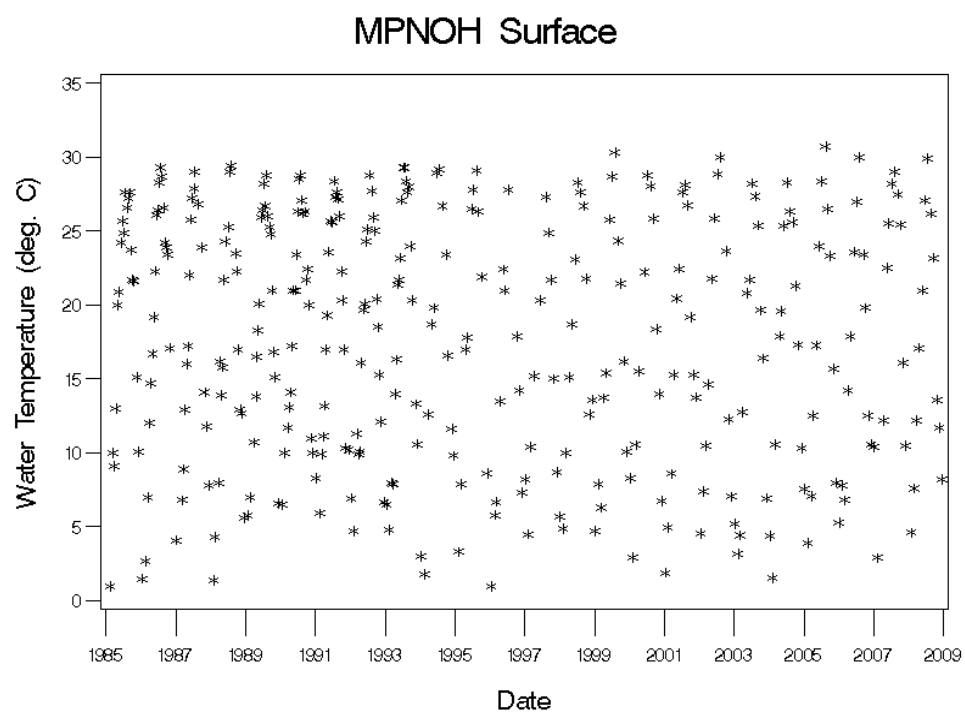


Figure 63. Scatterplot of surface water temperature at segment MPNOH during the period 1985 to 2008.

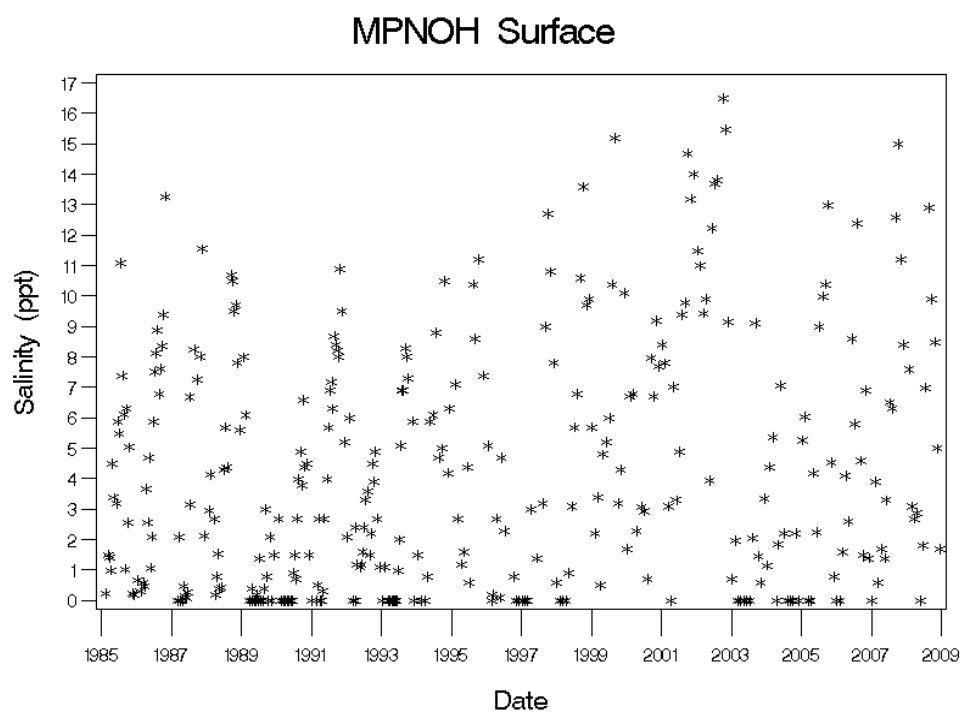
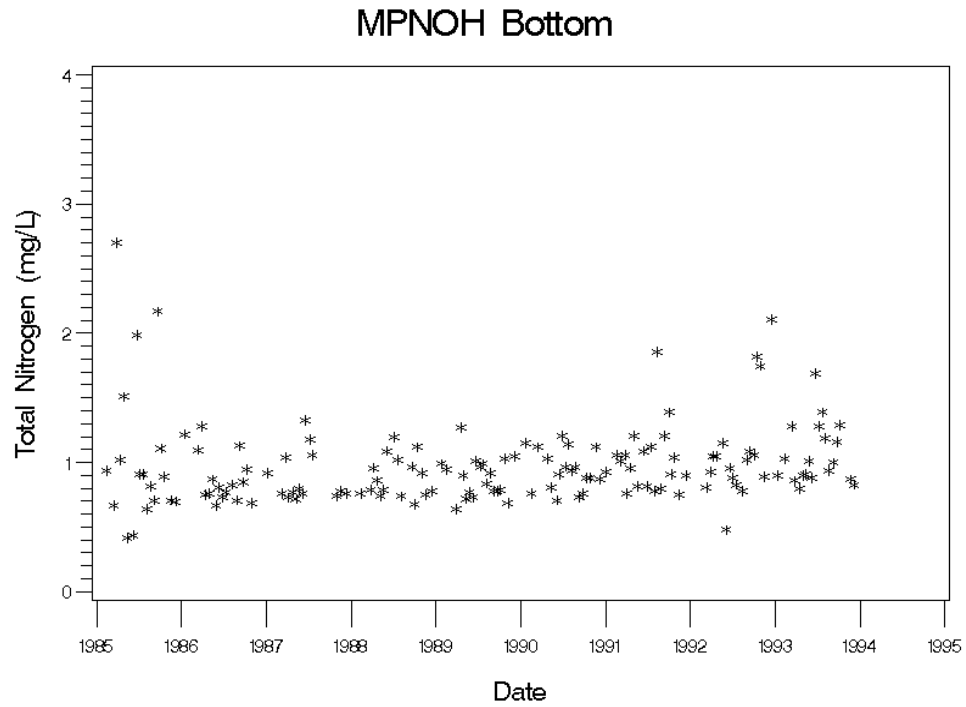


Figure 64. Scatterplot of surface salinity at segment MPNOH during the period 1985 to 2008.

a) Pre-method change period



b) Post-method change period

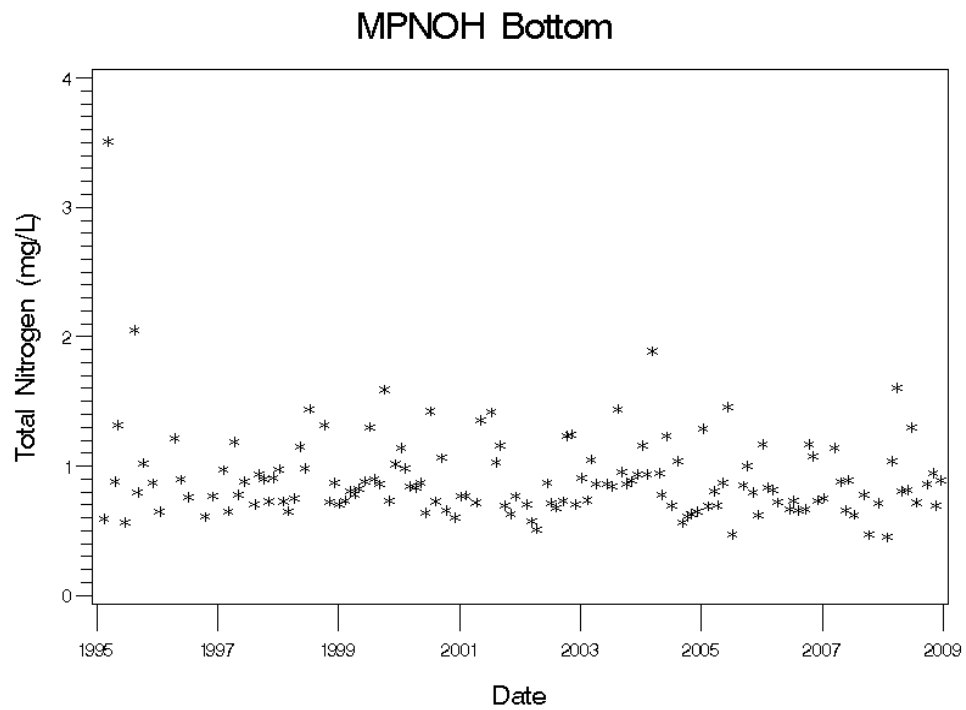
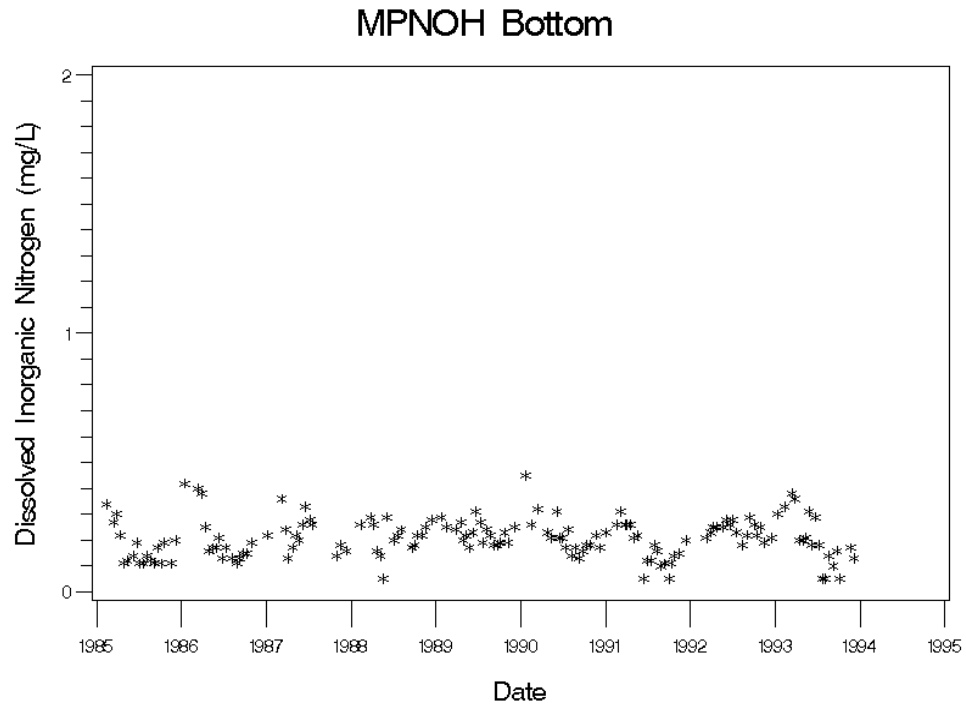


Figure 65. Scatterplots of bottom total nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

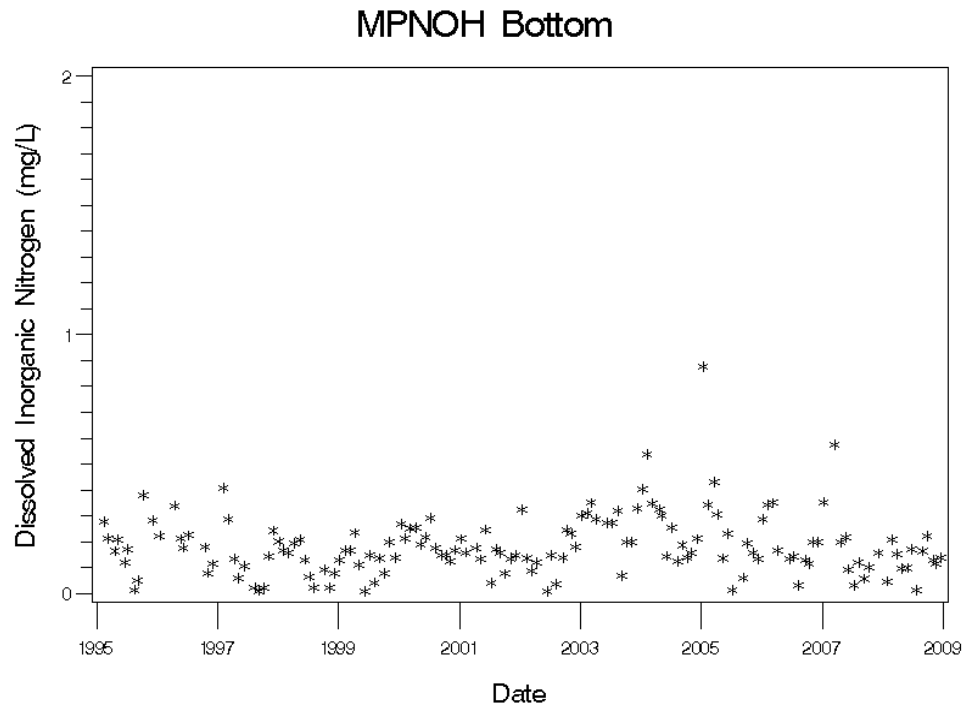
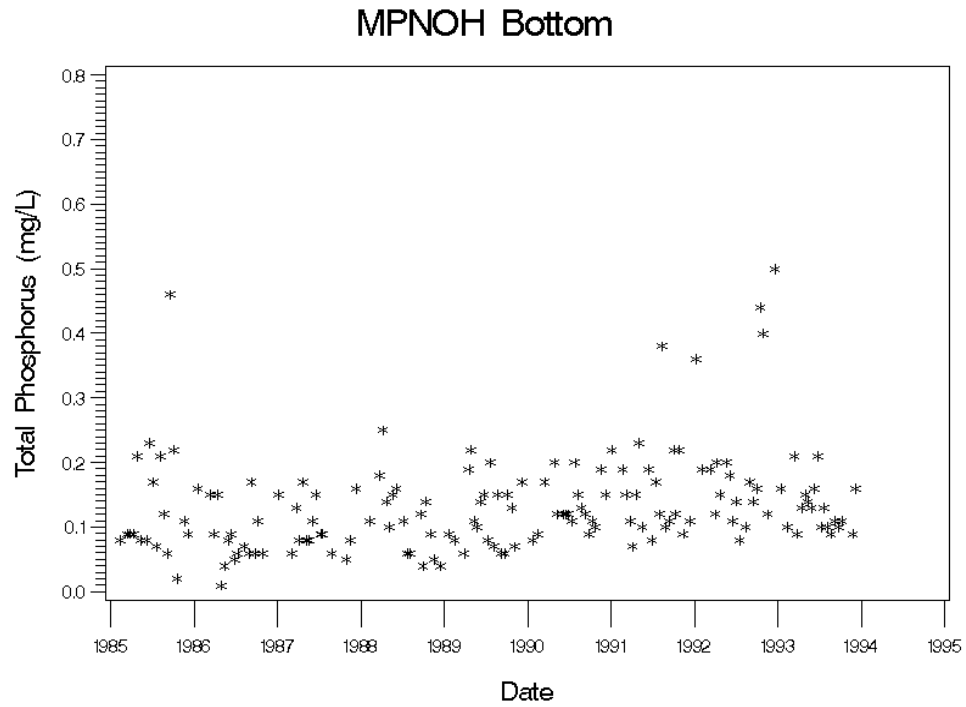


Figure 66. Scatterplots of bottom dissolved inorganic nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

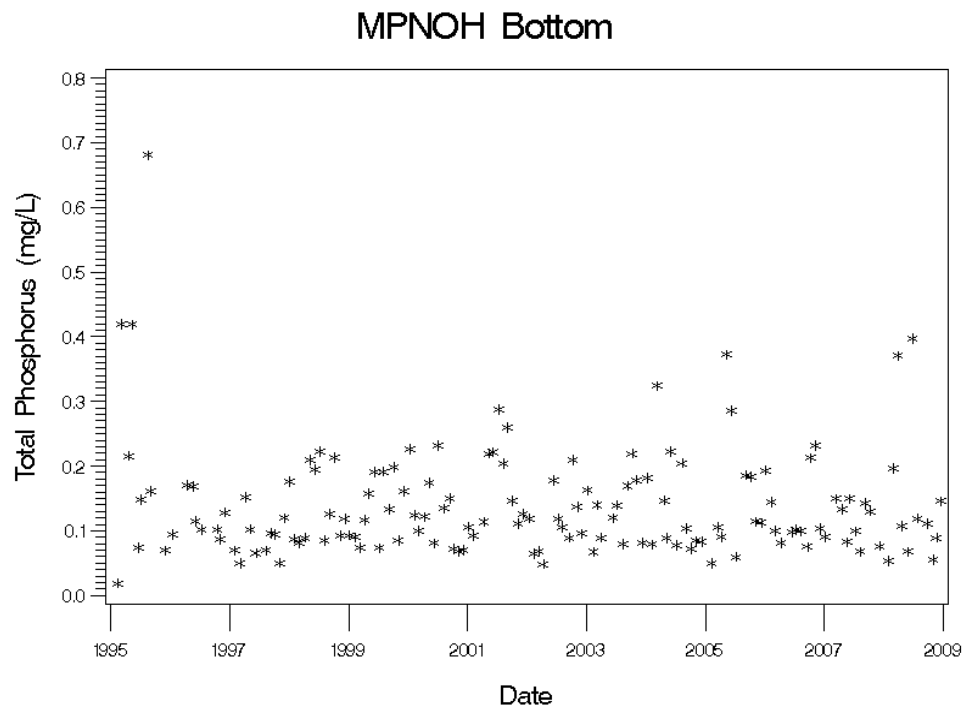
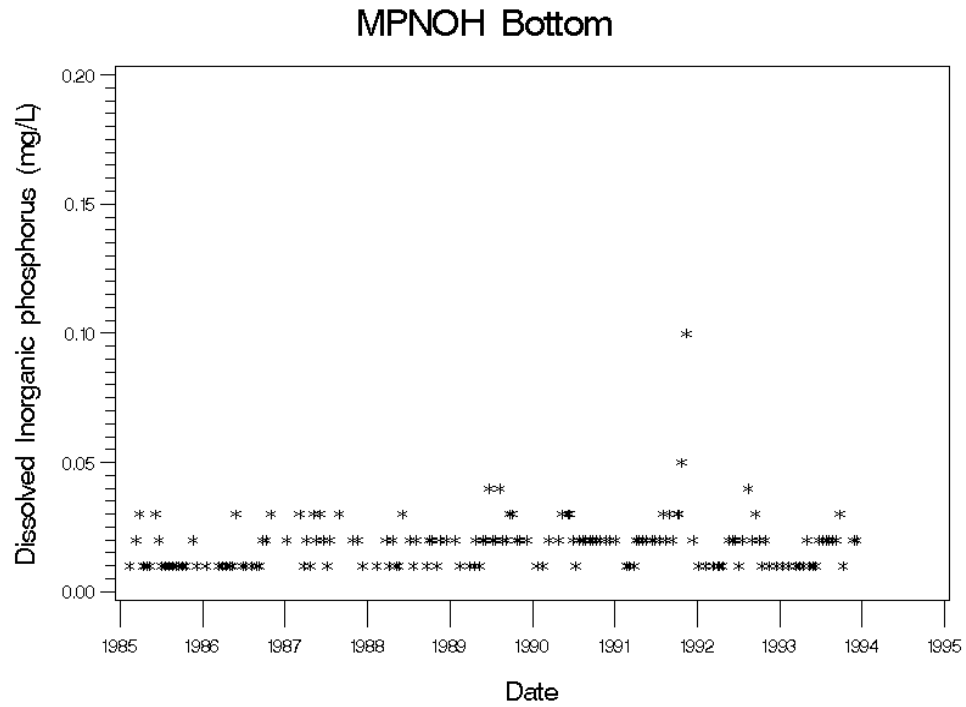


Figure 67. Scatterplots of bottom total phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

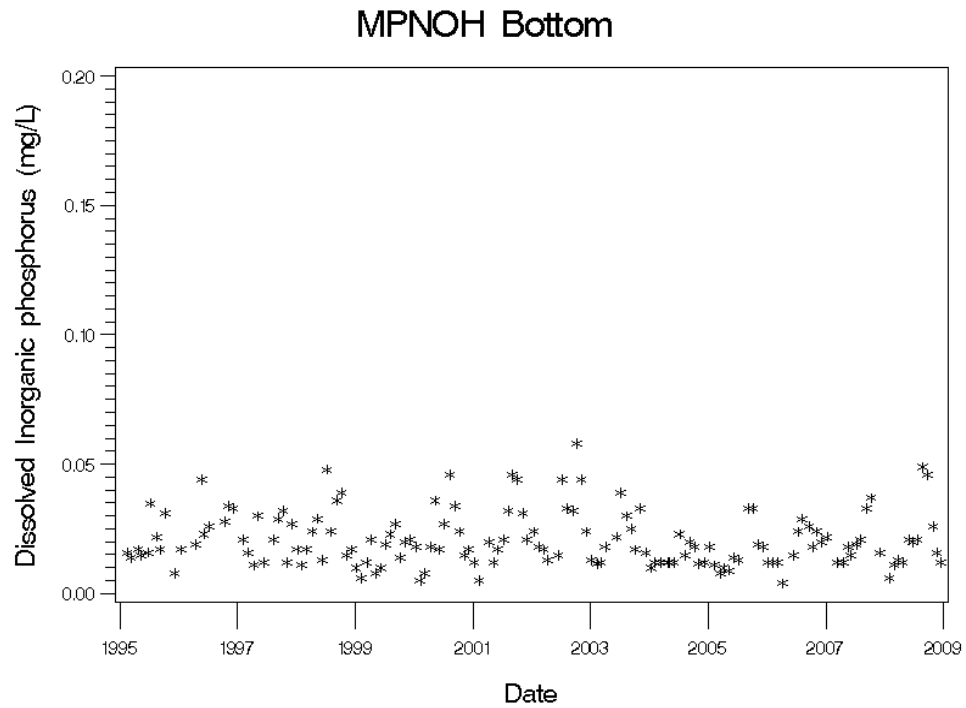


Figure 68. Scatterplots of bottom dissolved inorganic phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

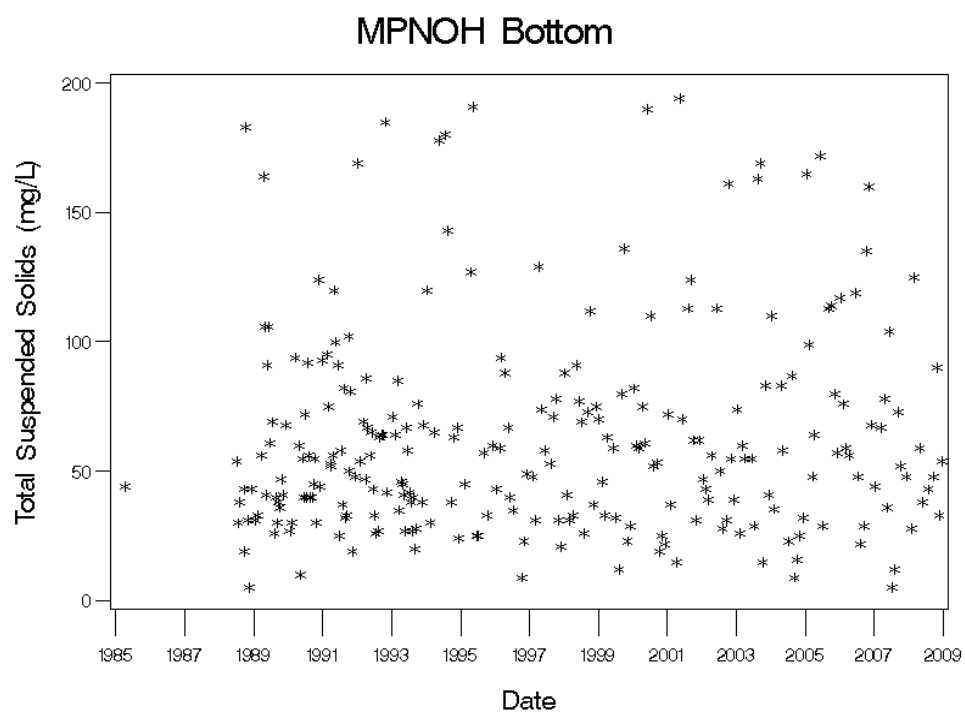


Figure 69. Scatterplot of bottom total suspended solids at segment MPNOH during the period 1985 to 2008.

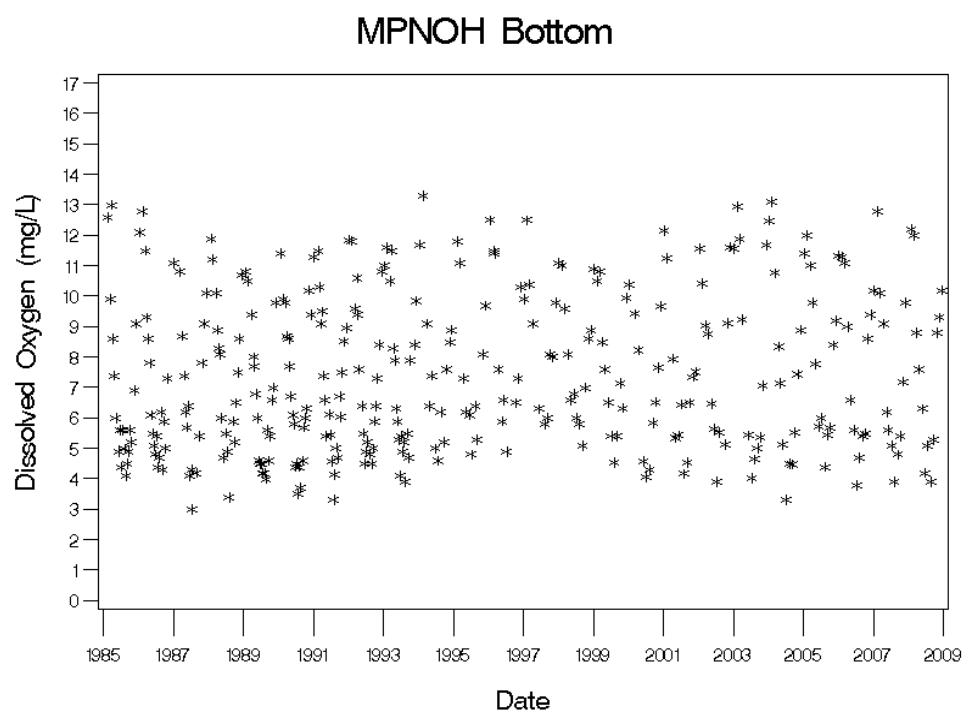


Figure 70. Scatterplot of bottom dissolved oxygen at segment MPNOH during the period 1985 to 2008.

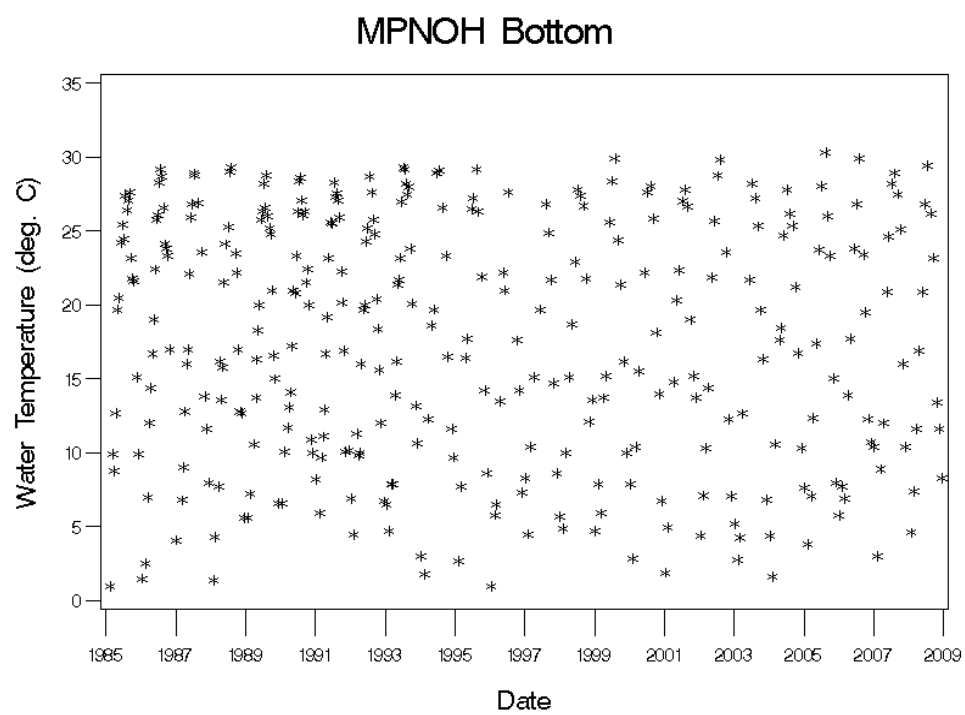


Figure 71. Scatterplot of bottom water temperature at segment MPNOH during the period 1985 to 2008.

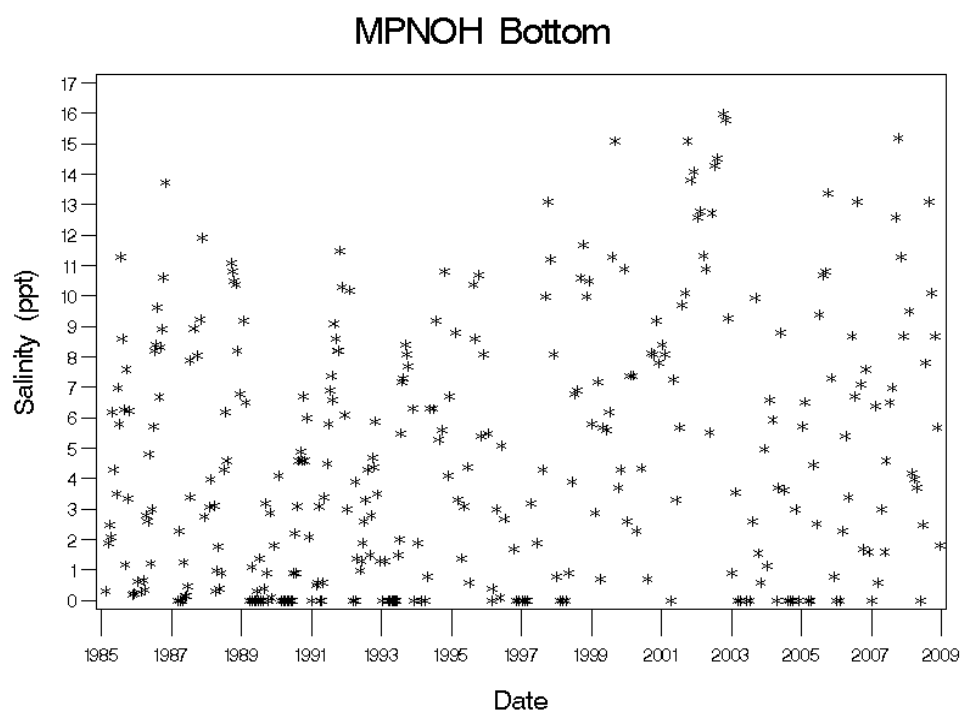
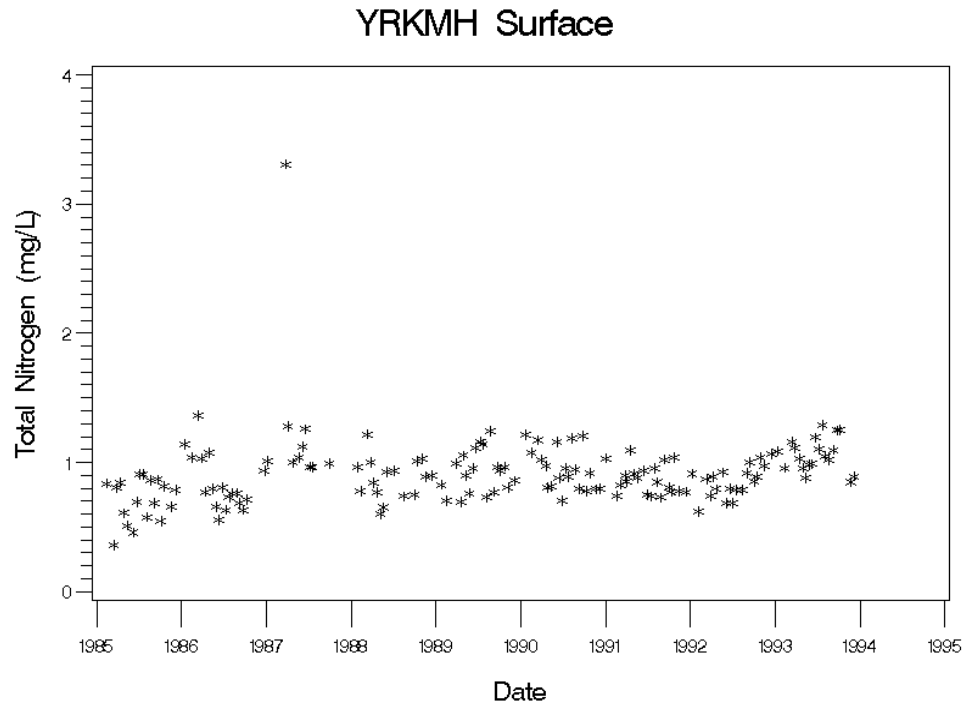


Figure 72. Scatterplot of bottom salinity at segment MPNOH during the period 1985 to 2008.

a) Pre-method change period



b) Post-method change period

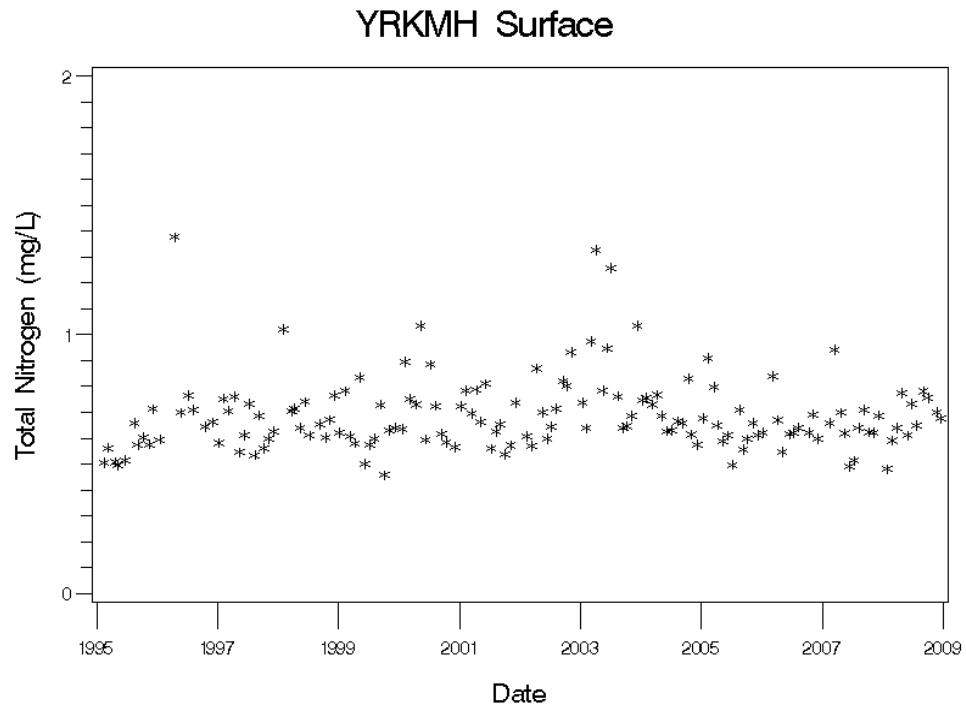
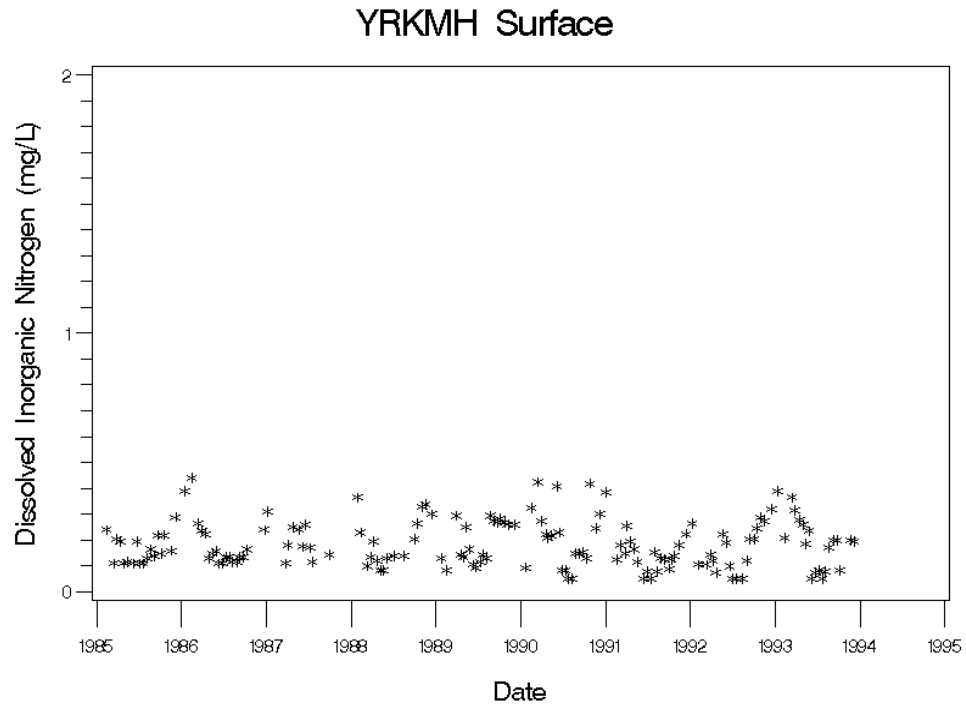


Figure 73. Scatterplots of surface total nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

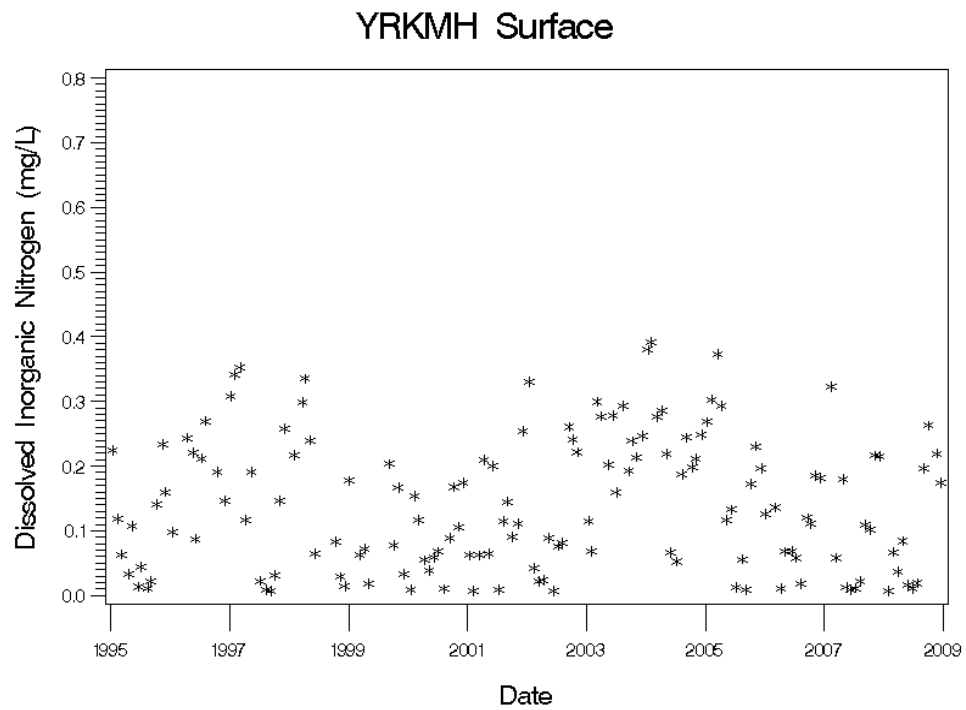
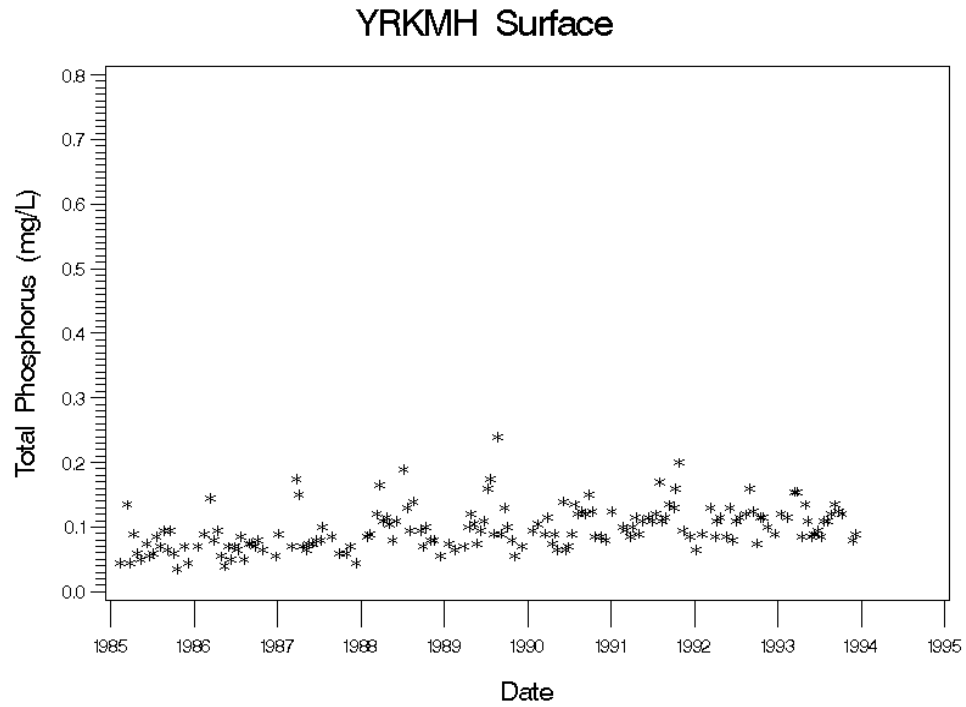


Figure 74. Scatterplots of surface dissolved inorganic nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

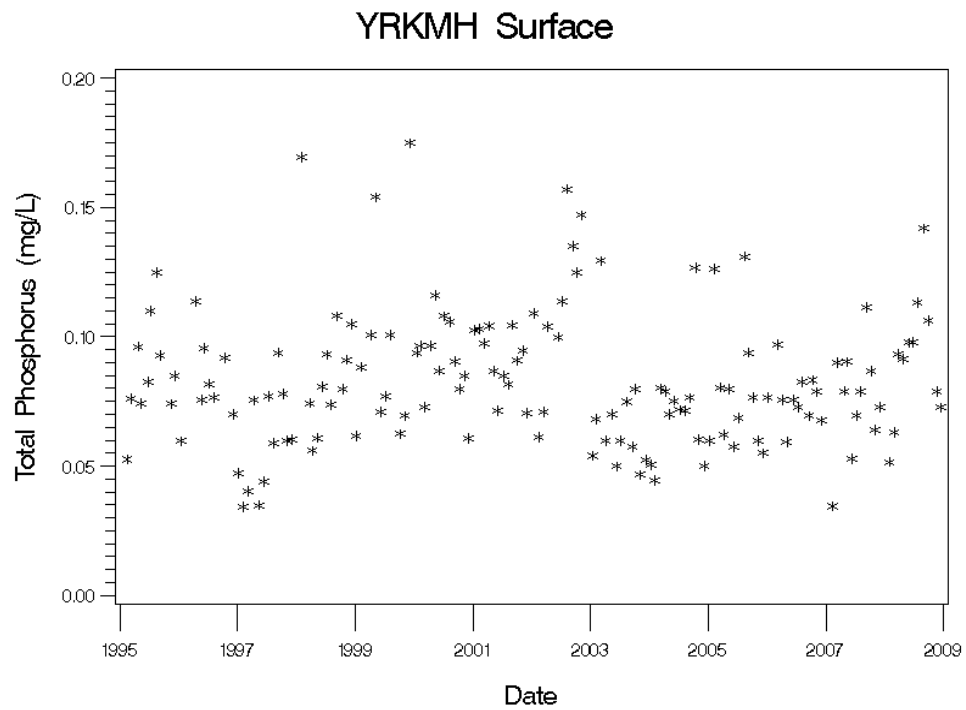
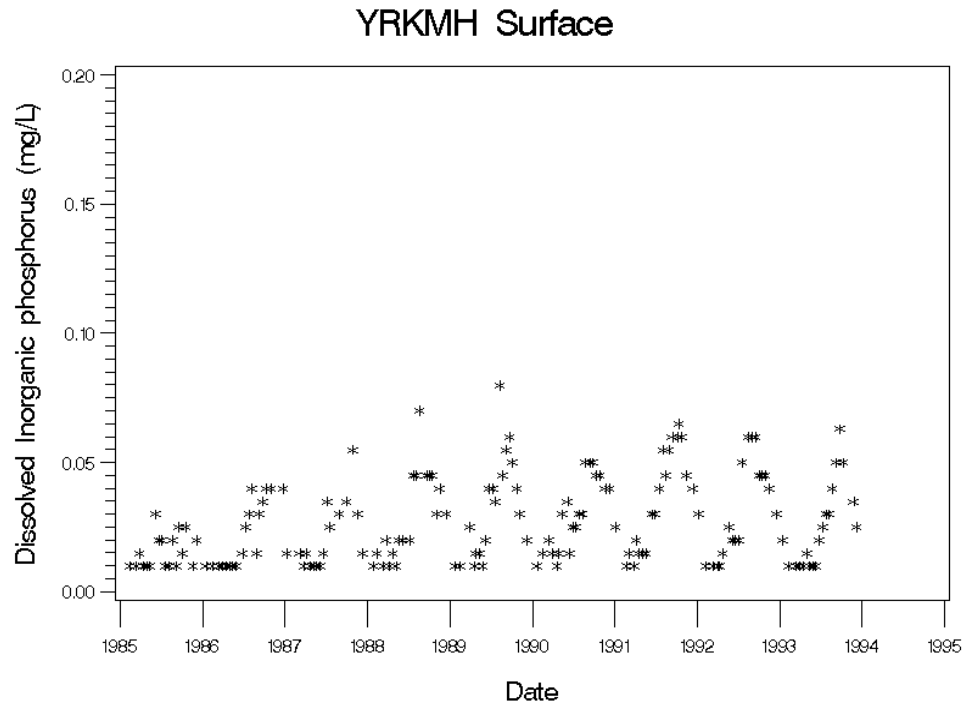


Figure 75. Scatterplots of surface total phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

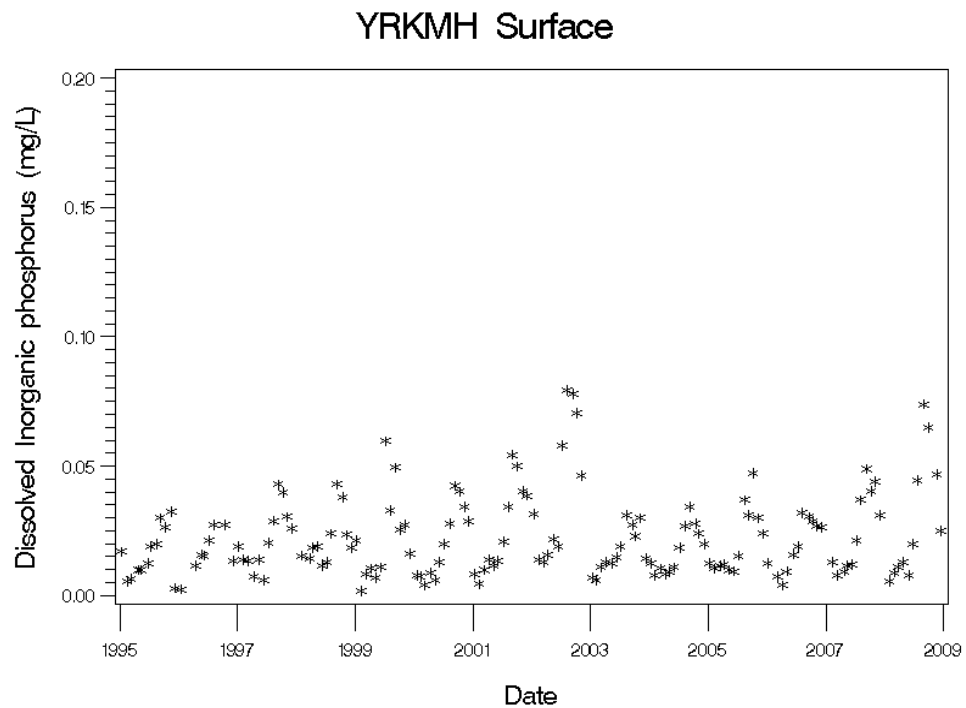


Figure 76. Scatterplots of surface dissolved inorganic phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

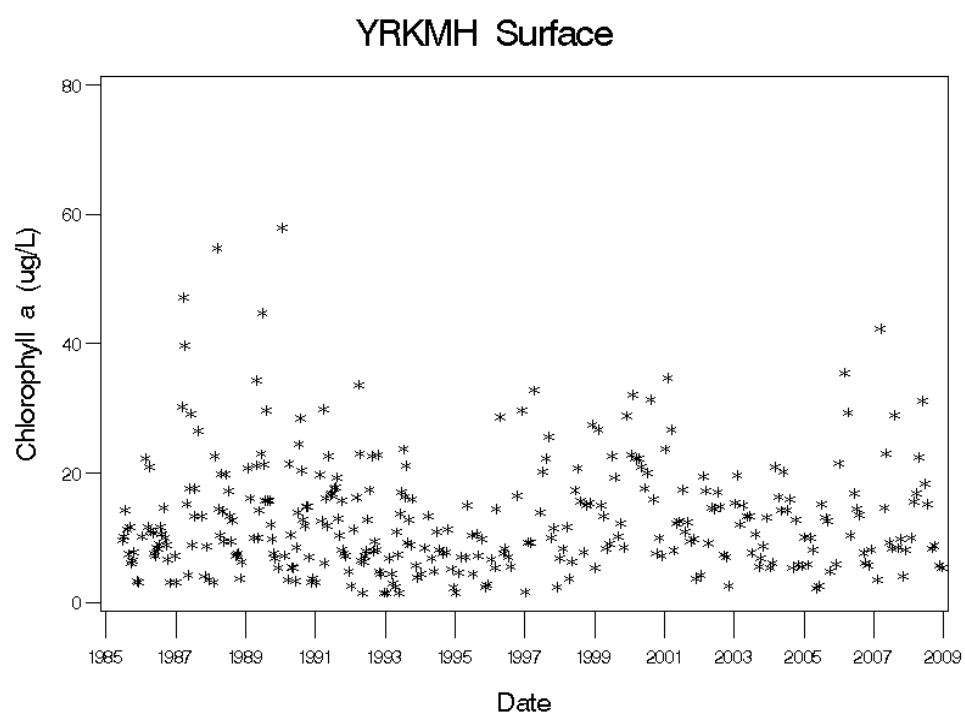


Figure 77. Scatterplot of surface chlorophyll a at segment YRKMH during the period 1985 to 2008.

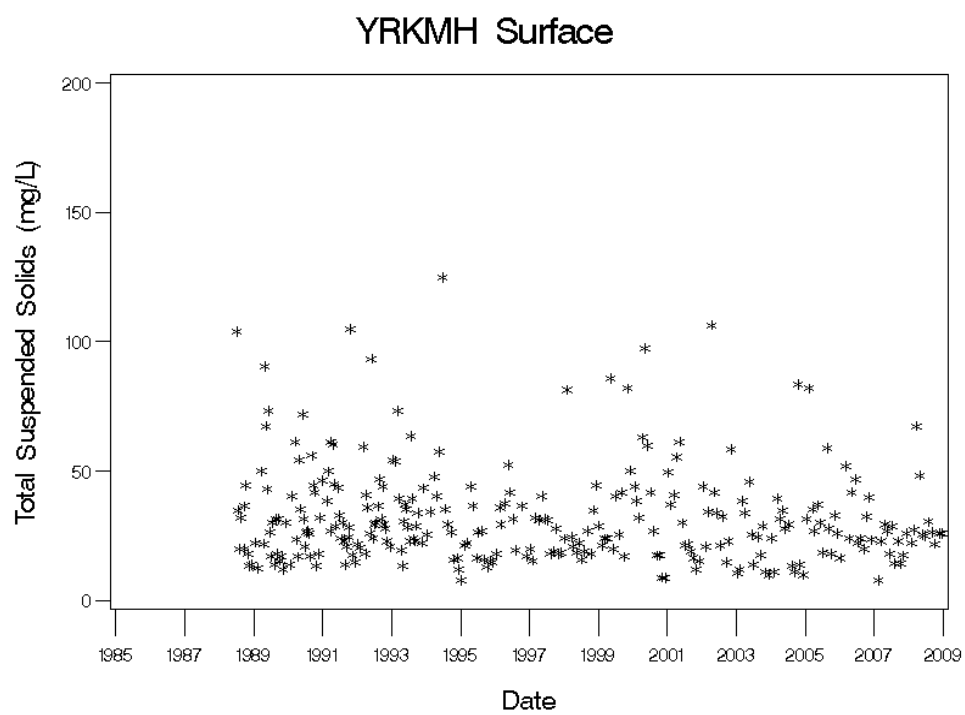


Figure 78. Scatterplot of surface total suspended solids at segment YRKMH during the period 1985 to 2008.

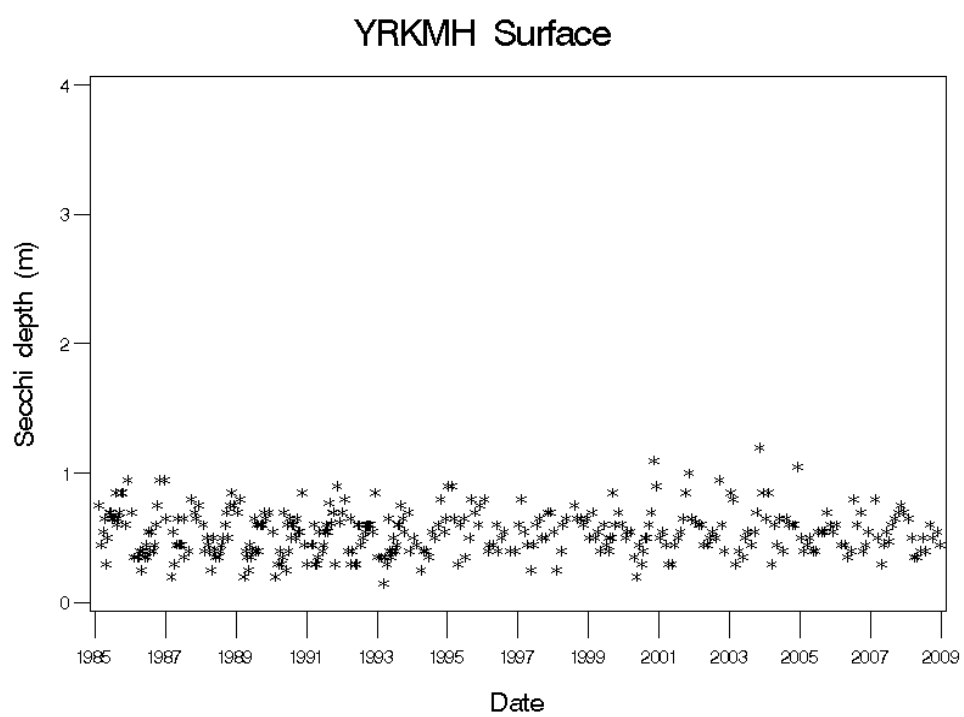


Figure 79. Scatterplot of secchi depth at segment YRKMH during the period 1985 to 2008.

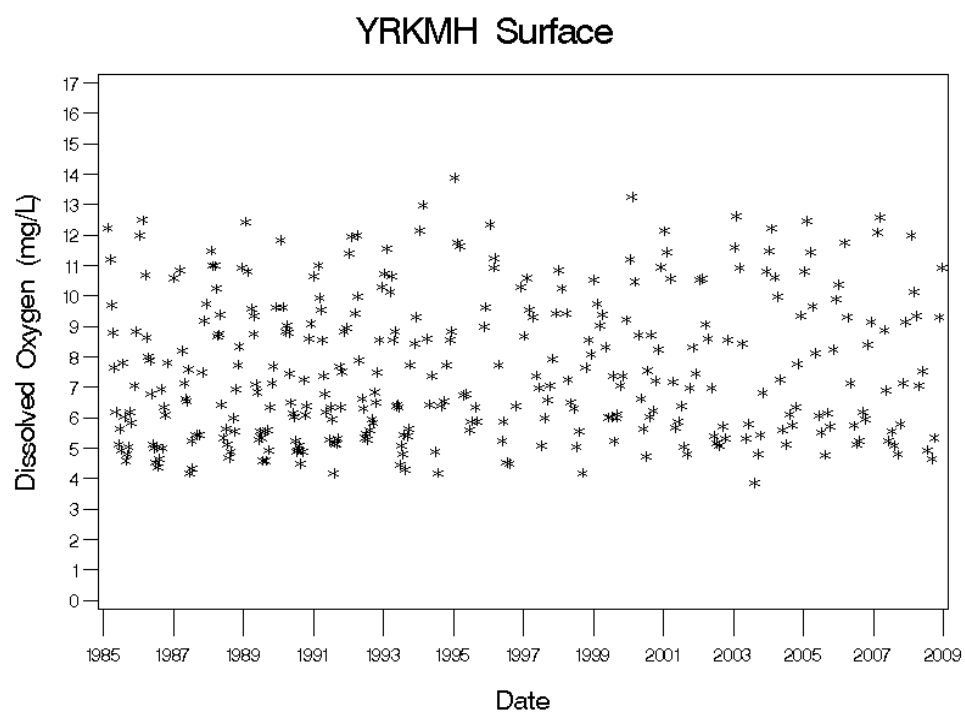


Figure 80. Scatterplot of surface dissolved oxygen at segment YRKMH during the period 1985 to 2008.

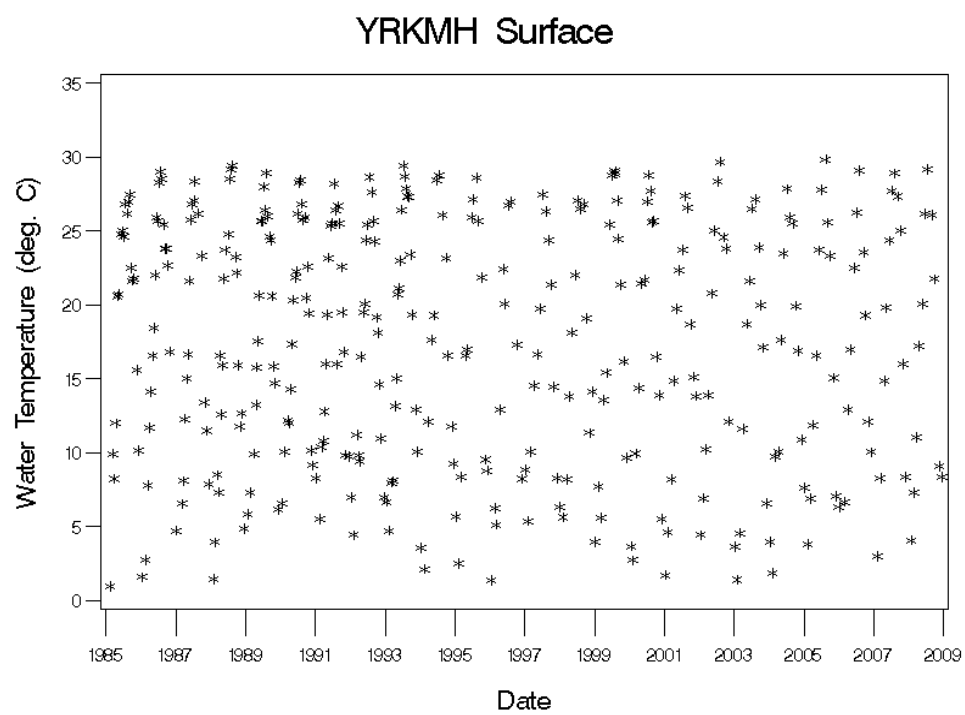


Figure 81. Scatterplot of surface water temperature at segment YRKMH during the period 1985 to 2008.

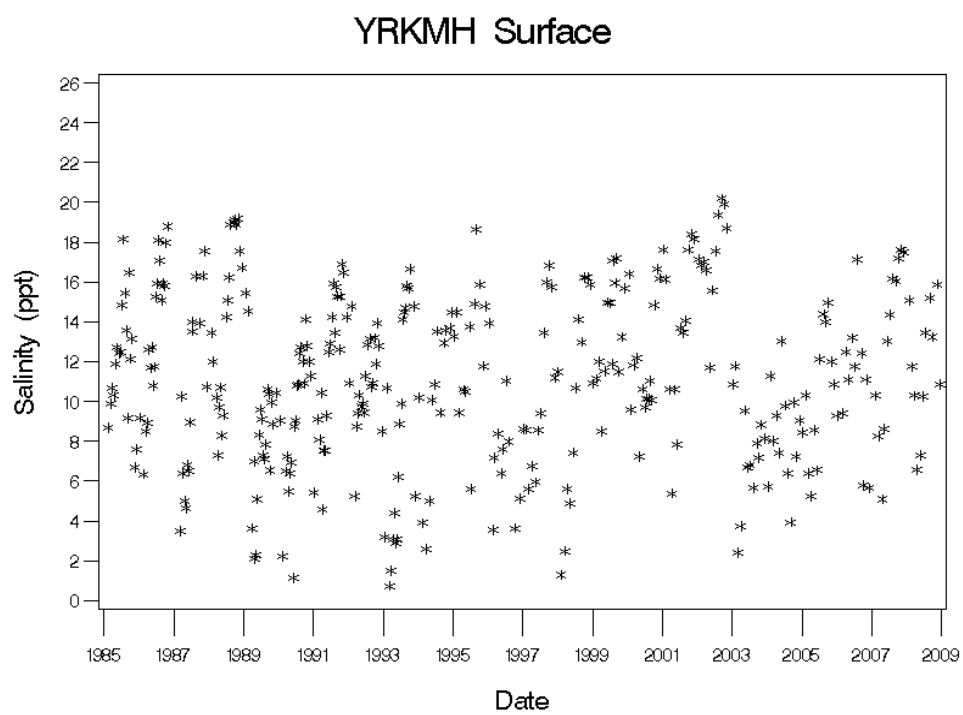
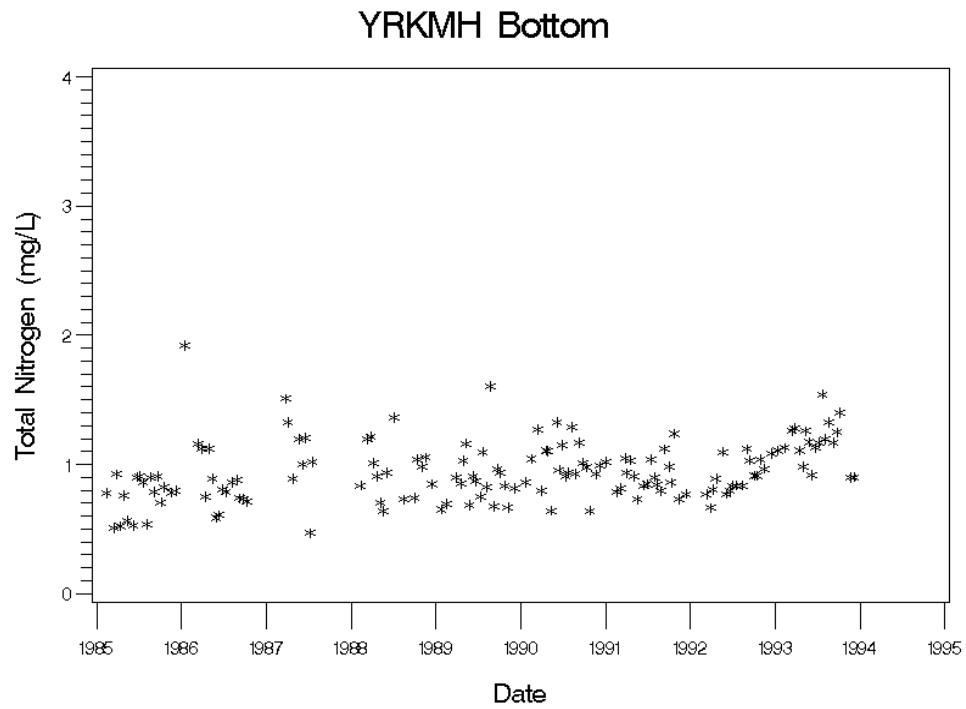


Figure 82. Scatterplot of surface salinity at segment YRKMH during the period 1985 to 2008.

a) Pre-method change period



b) Post-method change period

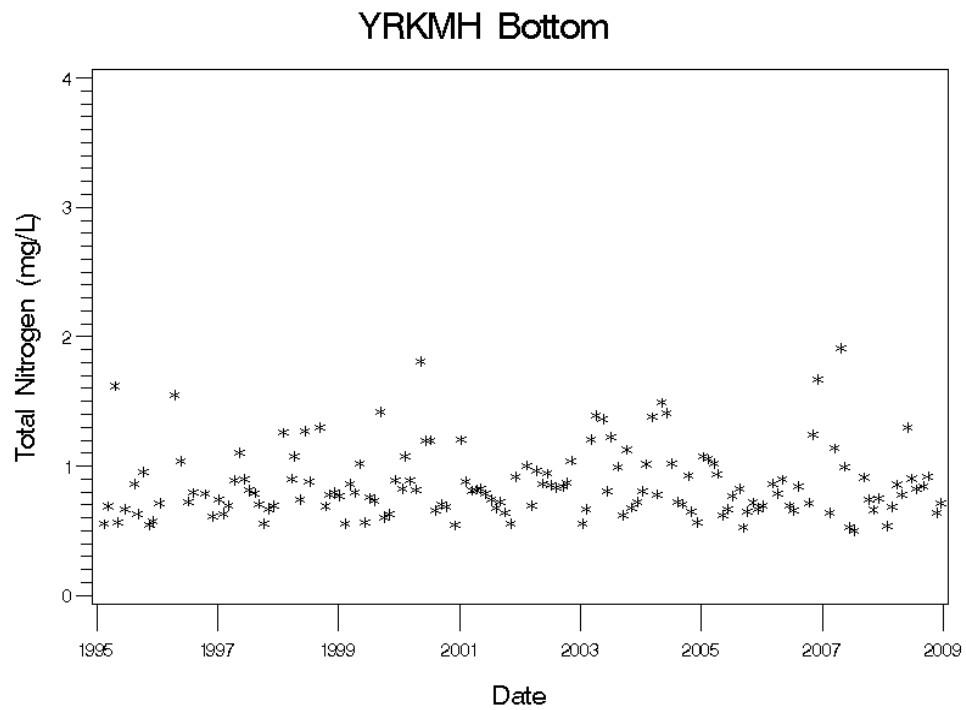
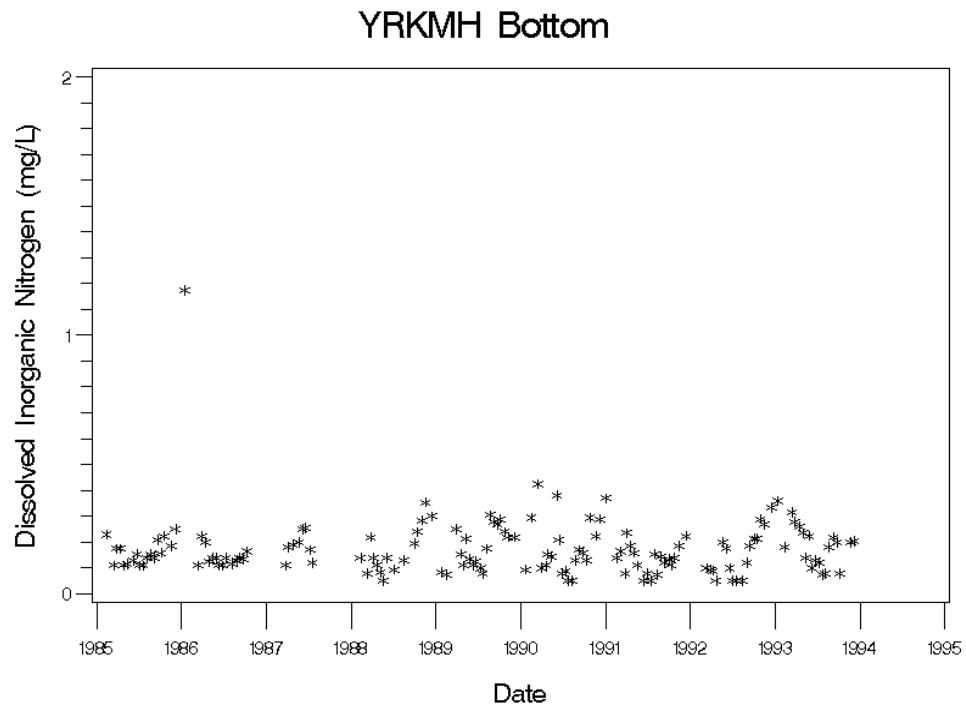


Figure 83. Scatterplots of bottom total nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

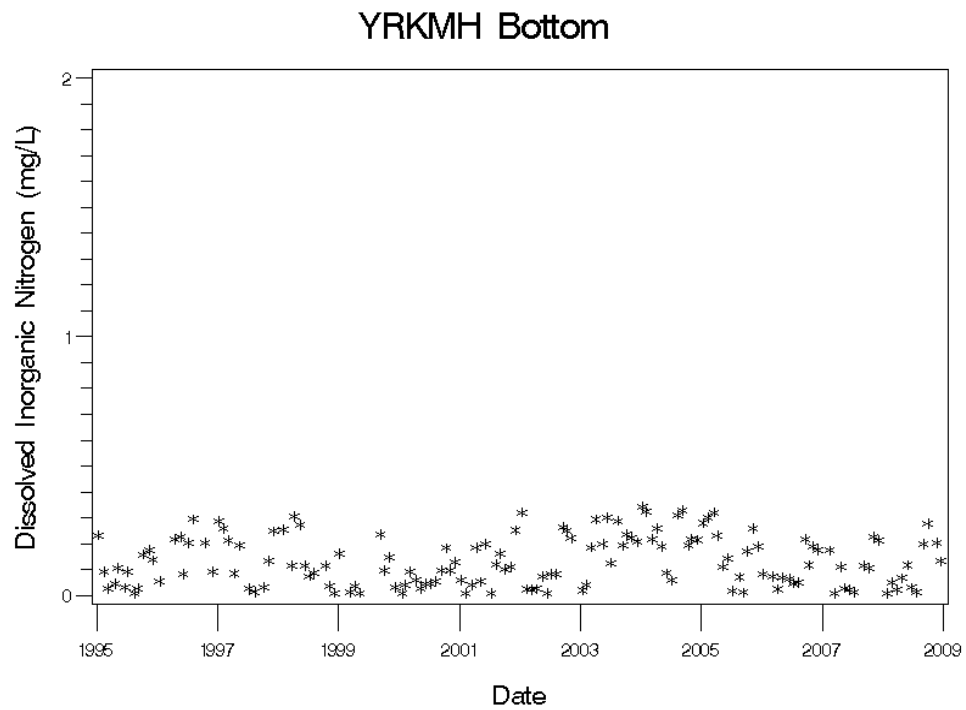
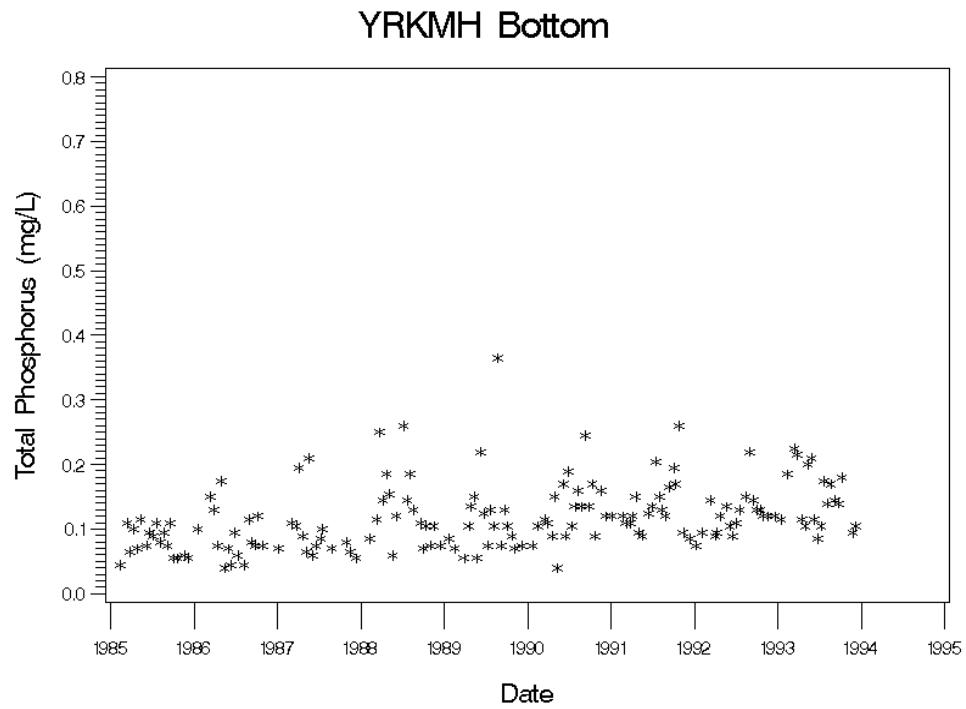


Figure 84. Scatterplots of bottom dissolved inorganic nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

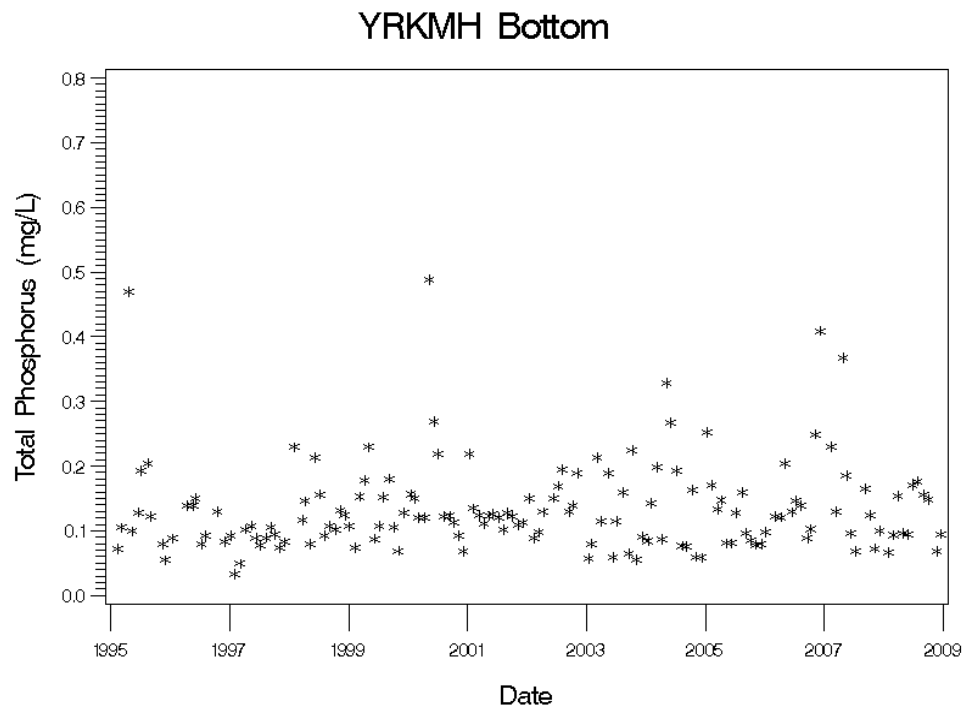
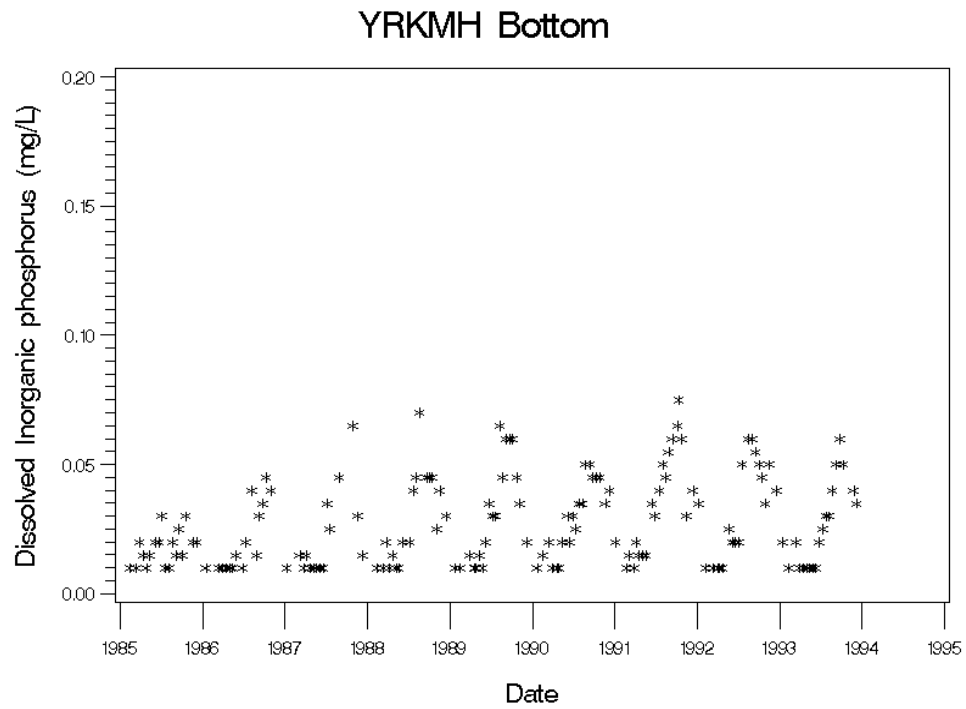


Figure 85. Scatterplots of bottom total phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

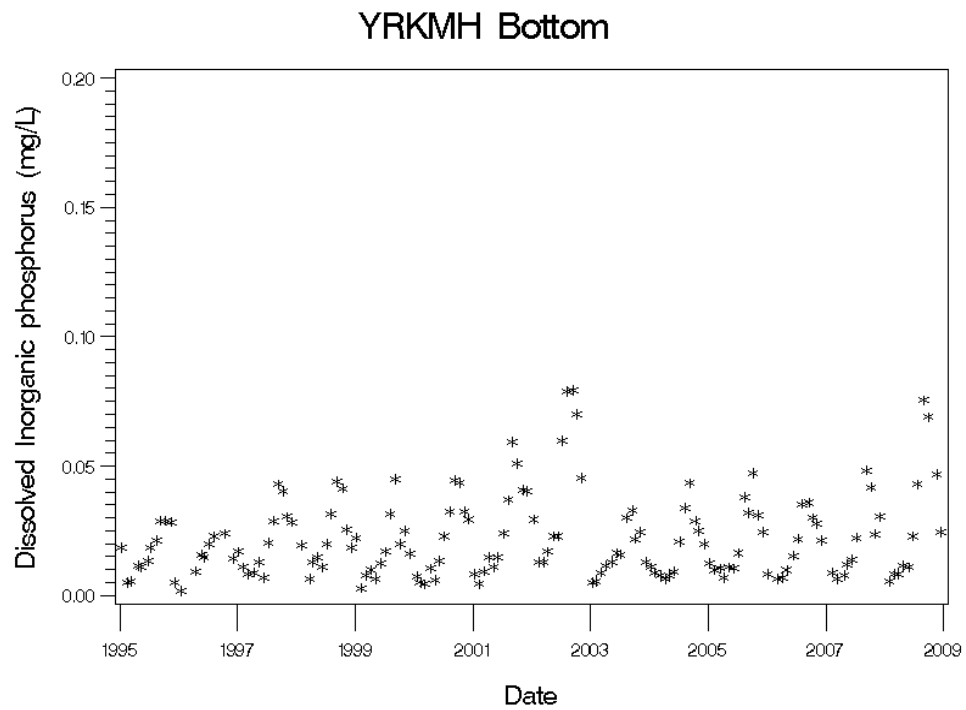


Figure 86. Scatterplots of bottom dissolved inorganic phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

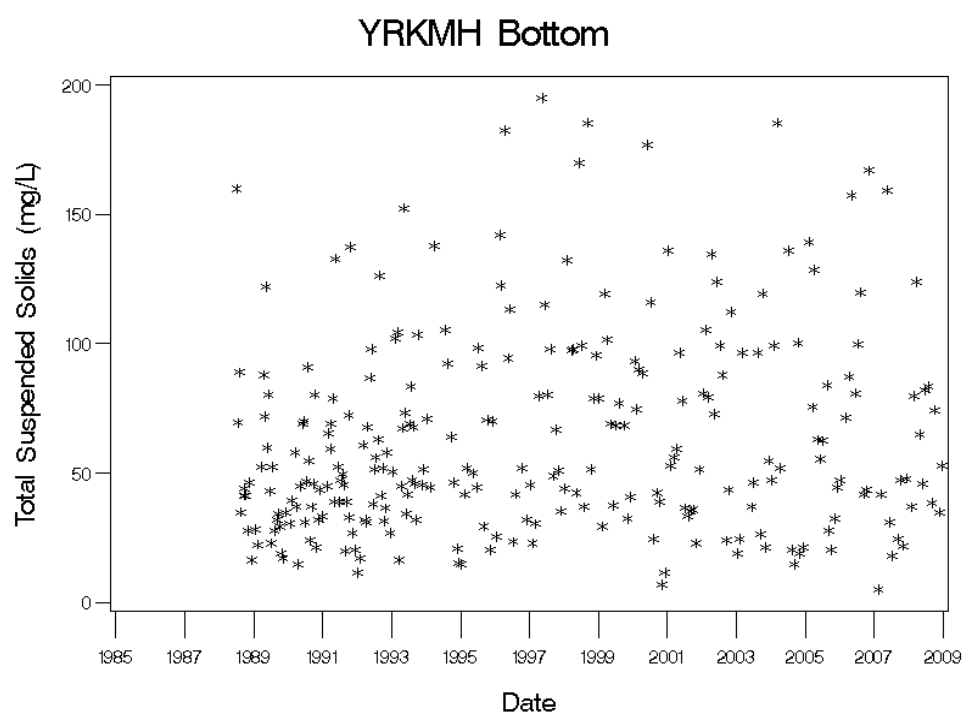


Figure 87. Scatterplot of bottom total suspended solids at segment YRKMH during the period 1985 to 2008.

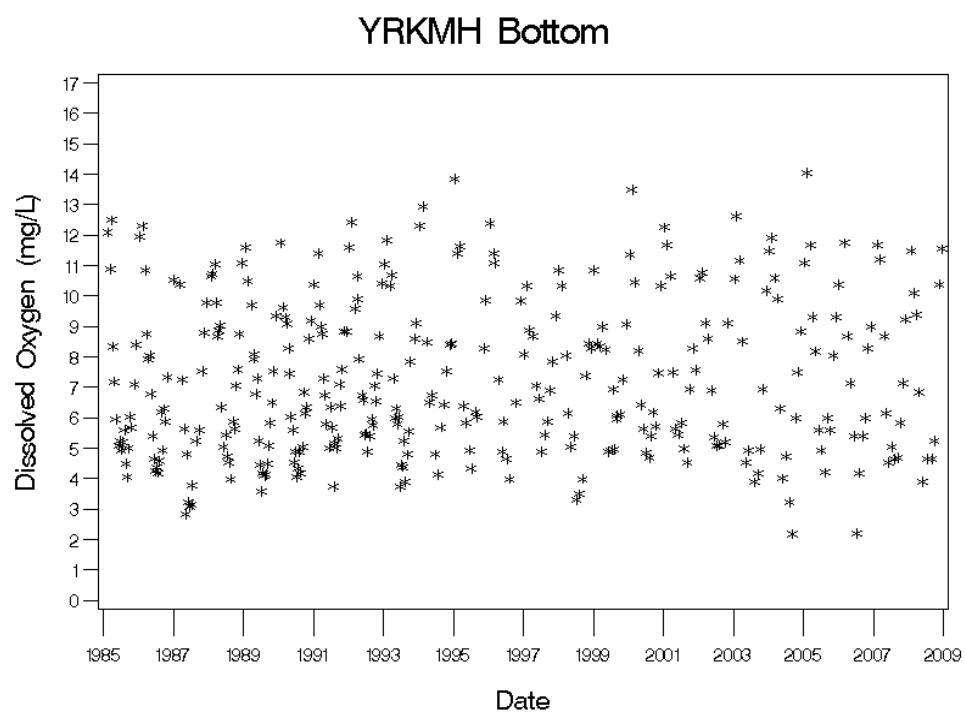


Figure 88. Scatterplot of bottom dissolved oxygen at segment YRKMH during the period 1985 to 2008.

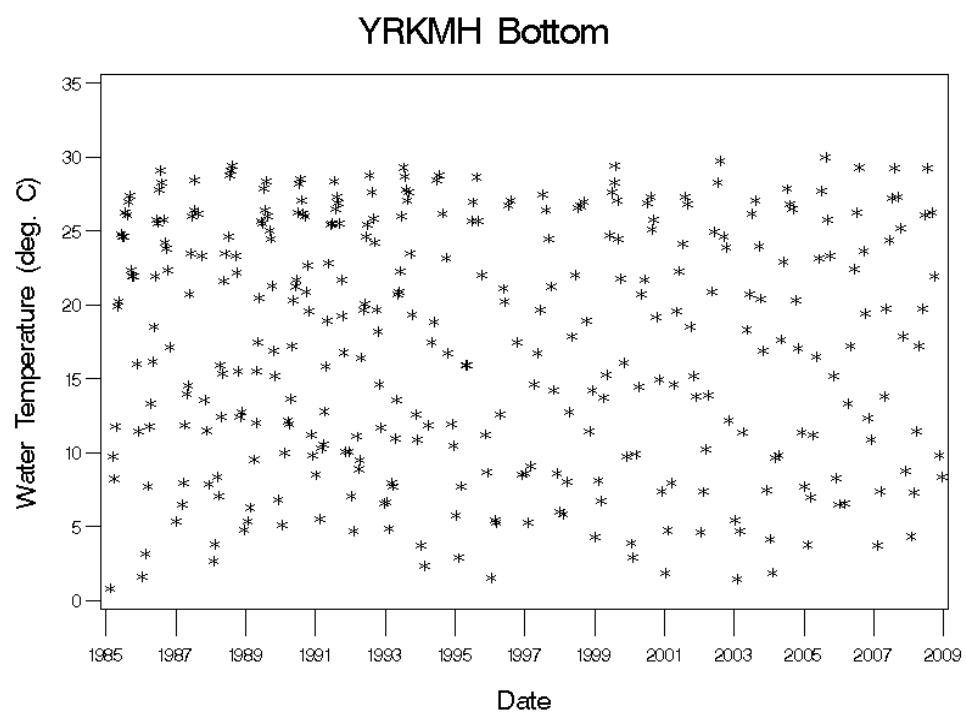


Figure 89. Scatterplot of bottom water temperature at segment YRKMH during the period 1985 to 2008.

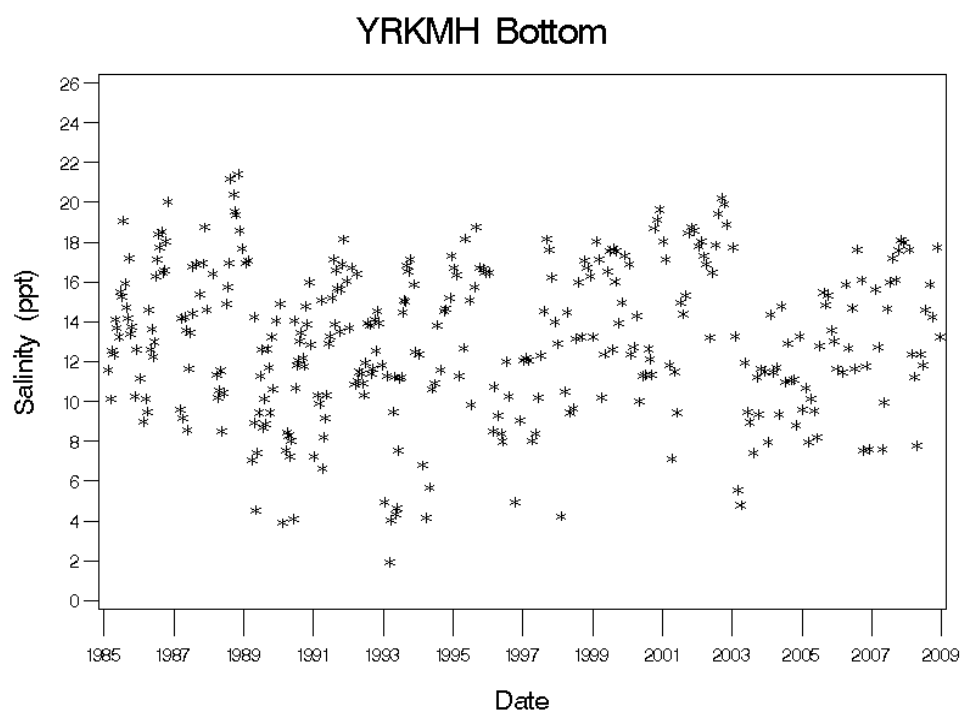
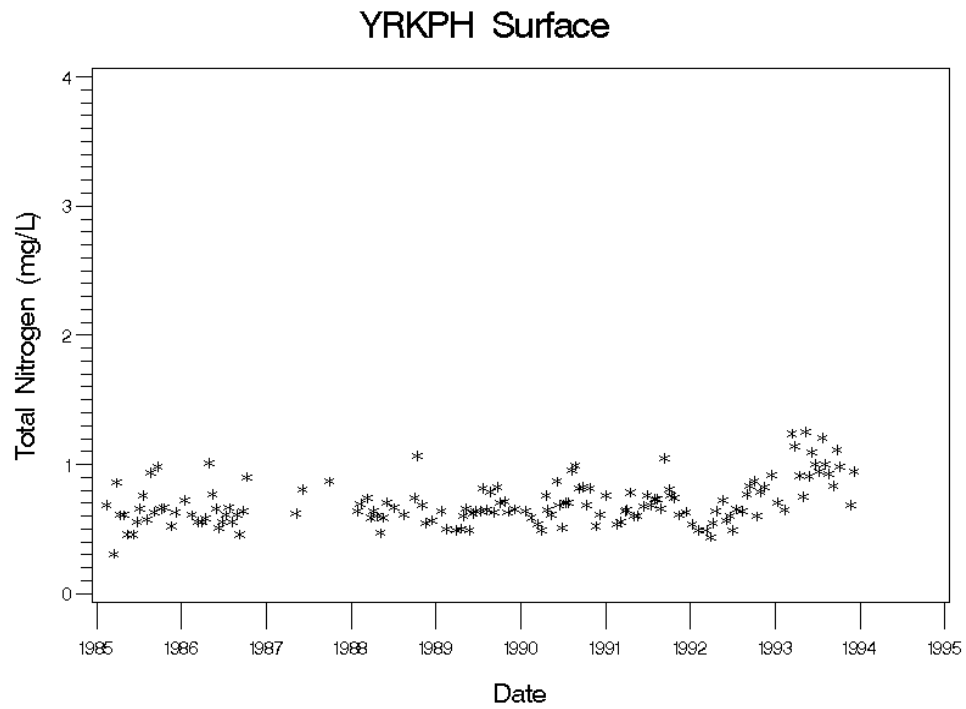


Figure 90. Scatterplot of bottom salinity at segment YRKMH during the period 1985 to 2008.

a) Pre-method change period



b) Post-method change period

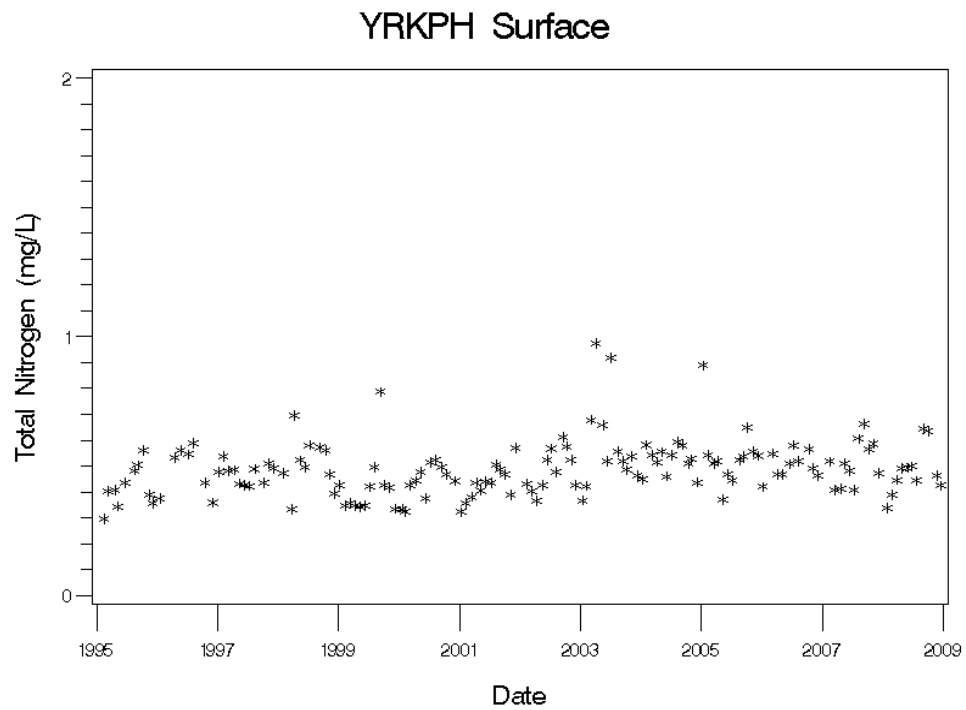
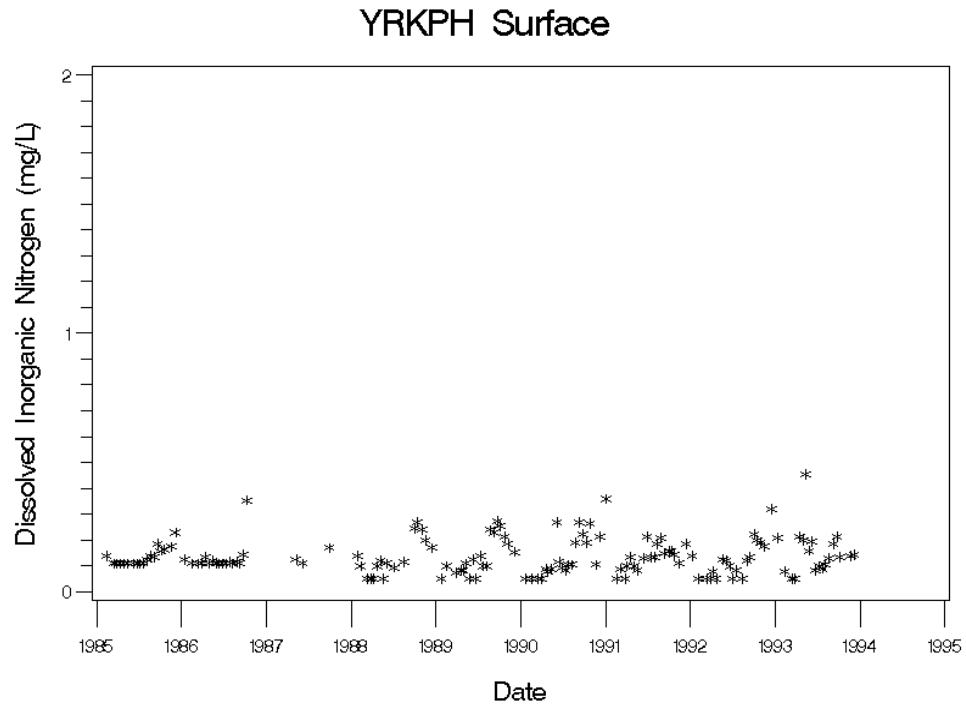


Figure 91. Scatterplots of surface total nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

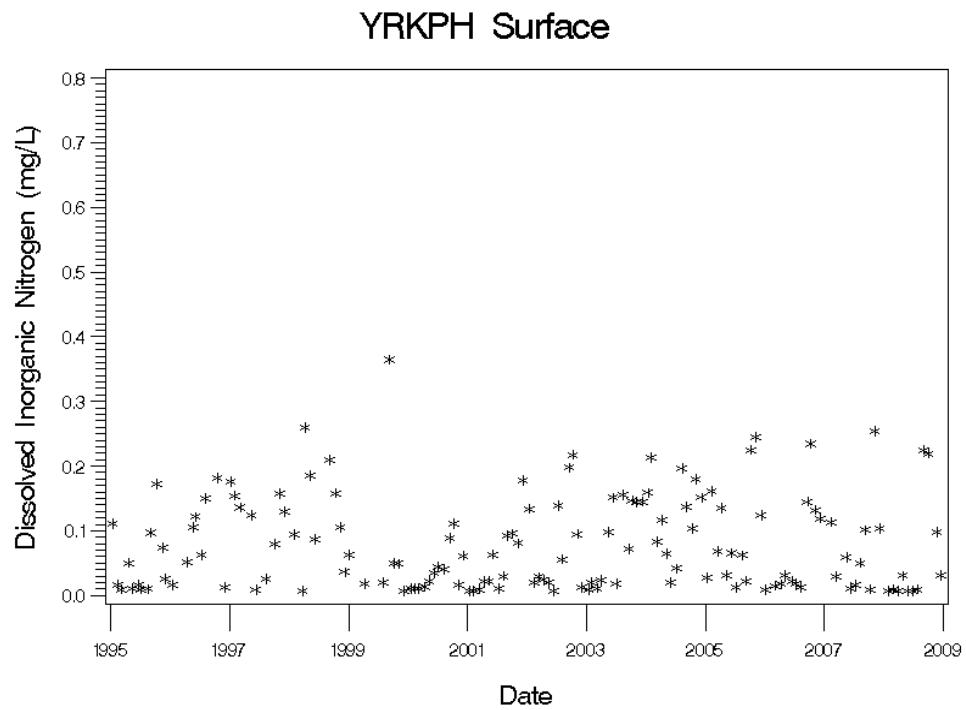
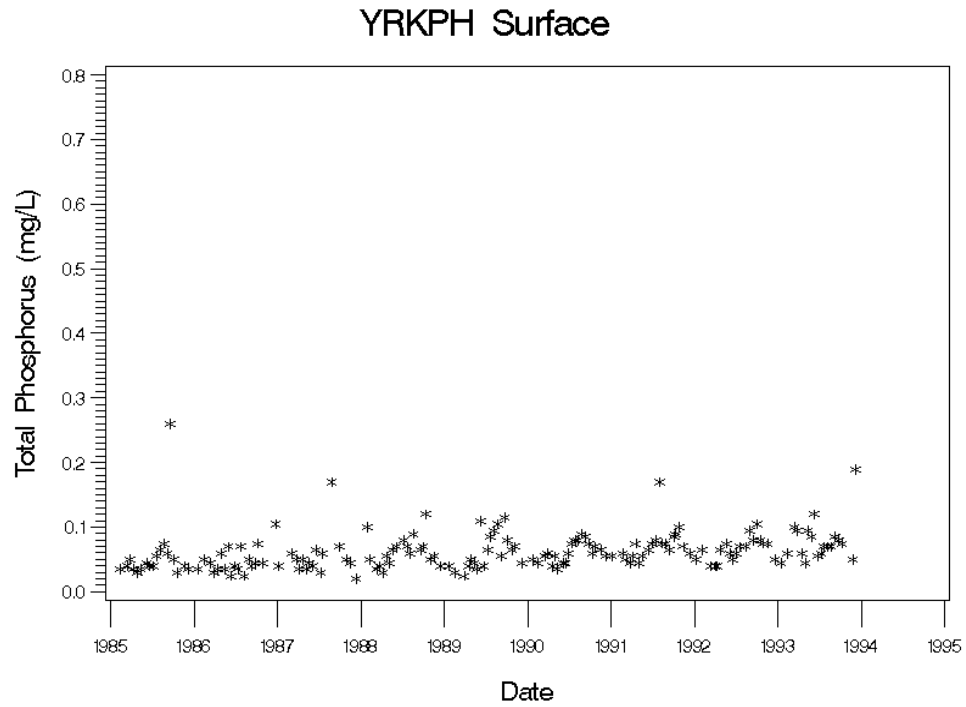


Figure 92. Scatterplots of surface dissolved inorganic nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

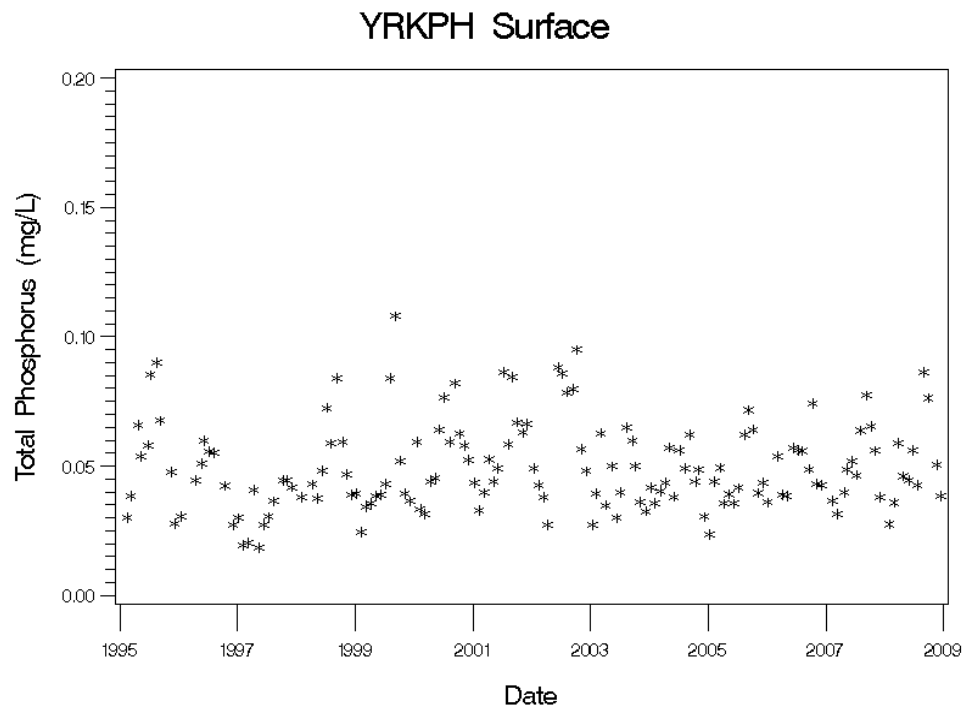
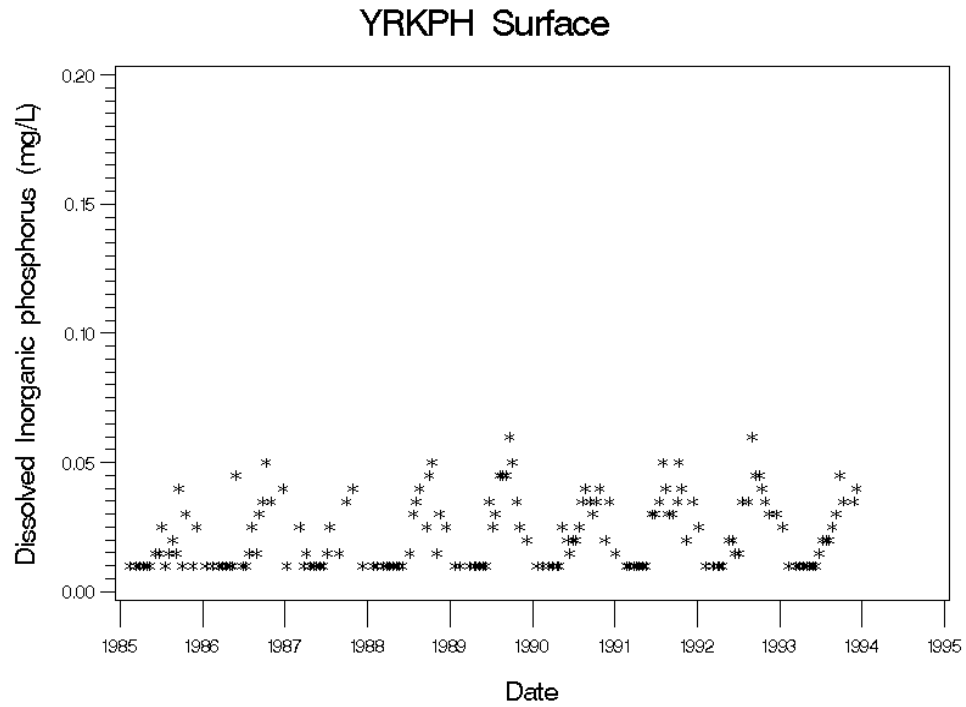


Figure 93. Scatterplots of surface total phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

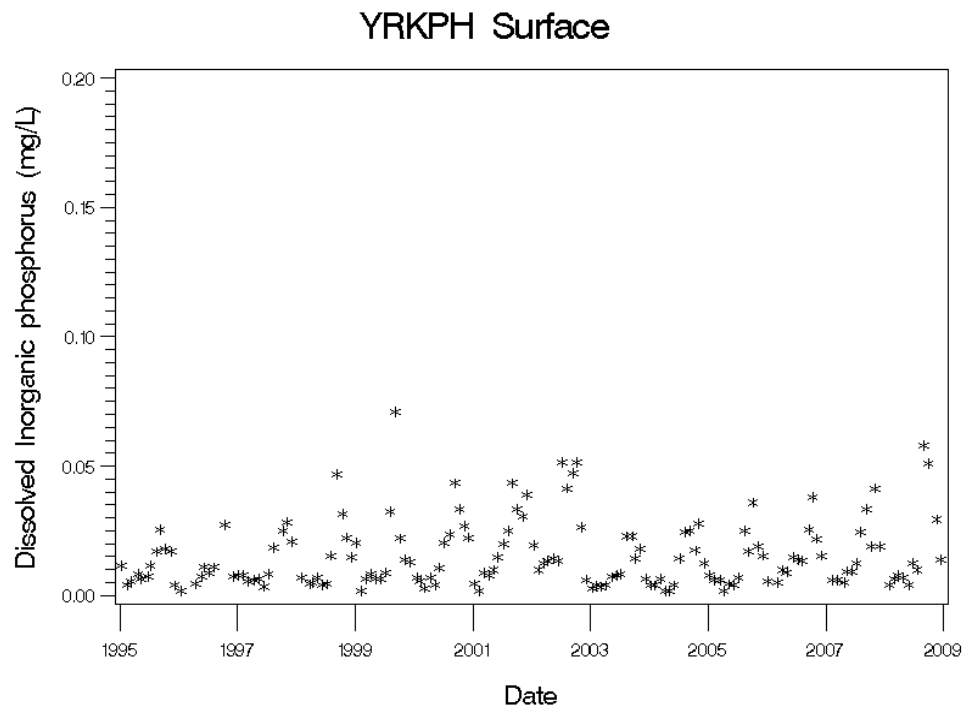


Figure 94. Scatterplots of surface dissolved inorganic phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

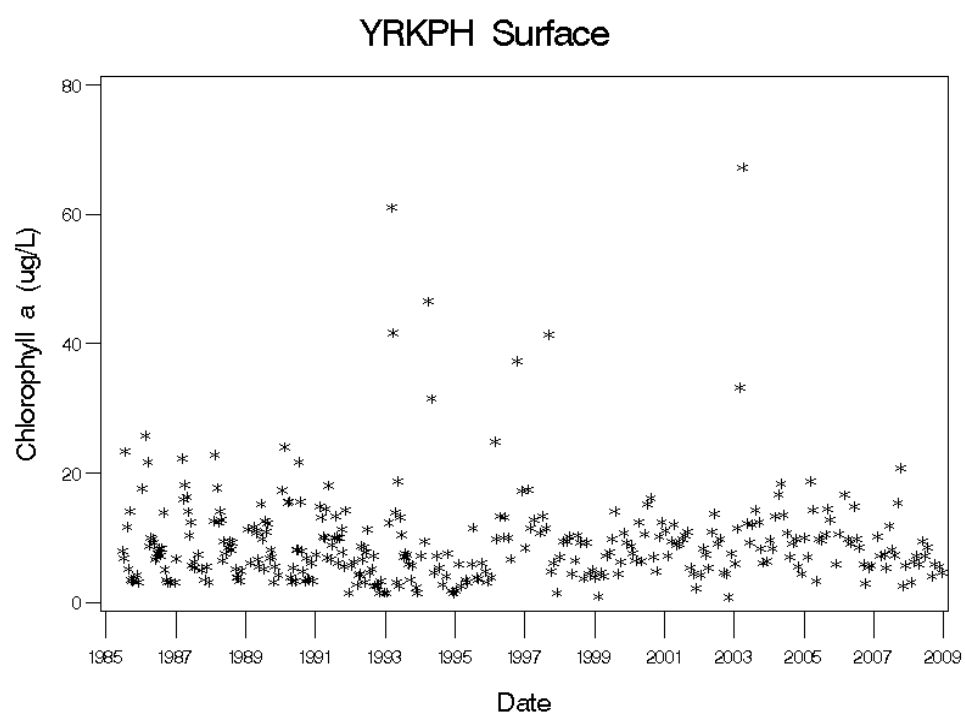


Figure 95. Scatterplot of surface chlorophyll a at segment YRKPH during the period 1985 to 2008.

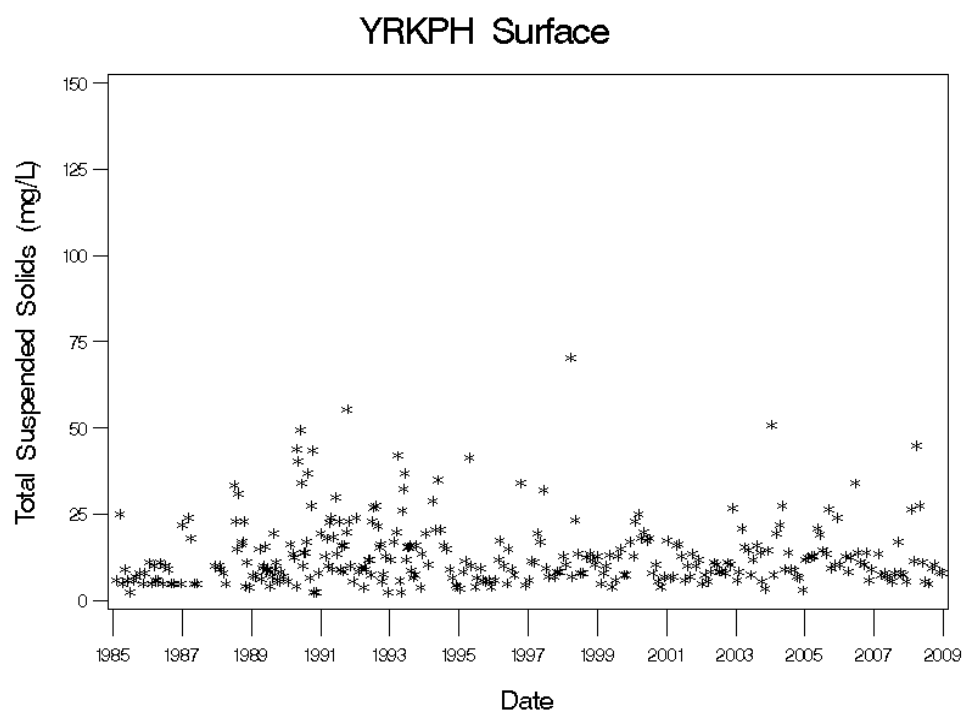


Figure 96. Scatterplot of surface total suspended solids at segment YRKPH during the period 1985 to 2008.

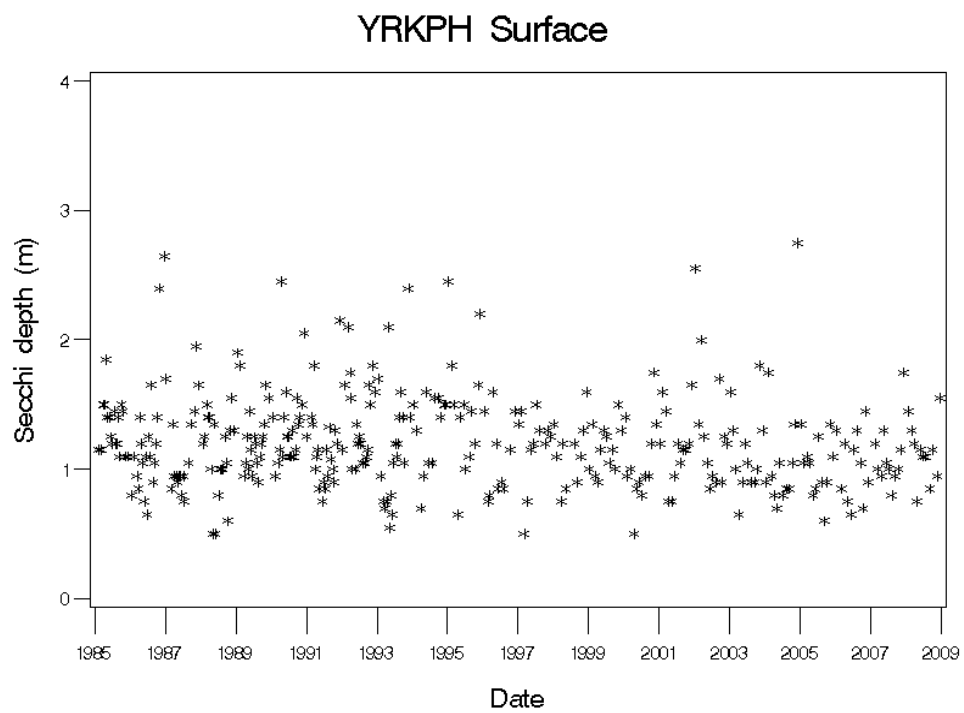


Figure 97. Scatterplot of secchi depth at segment YRKPH during the period 1985 to 2008.

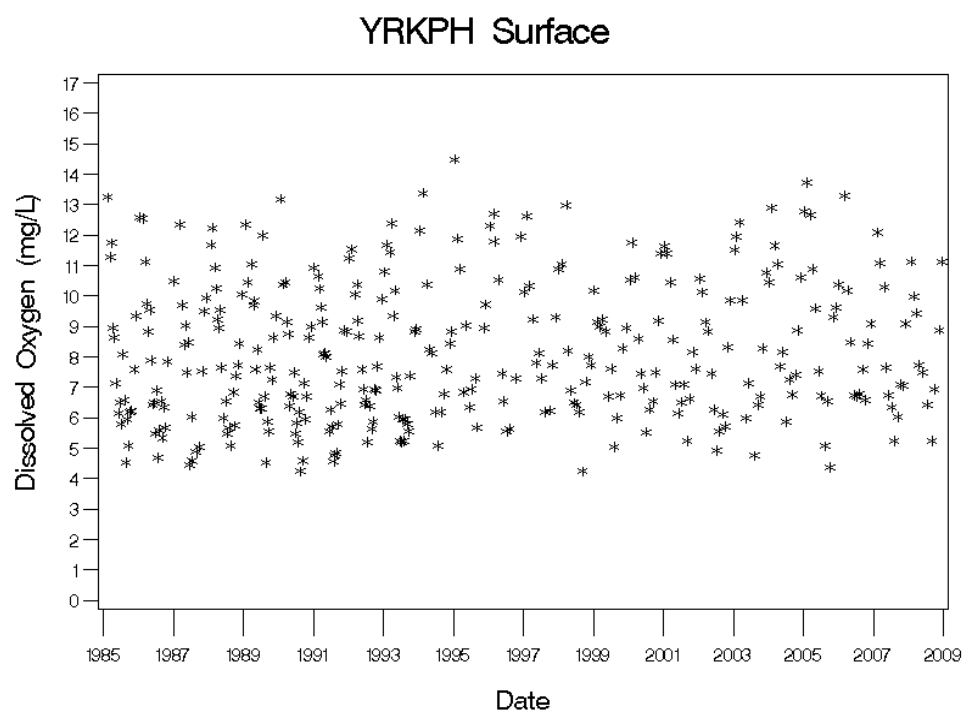


Figure 98. Scatterplot of surface dissolved oxygen at segment YRKPH during the period 1985 to 2008.

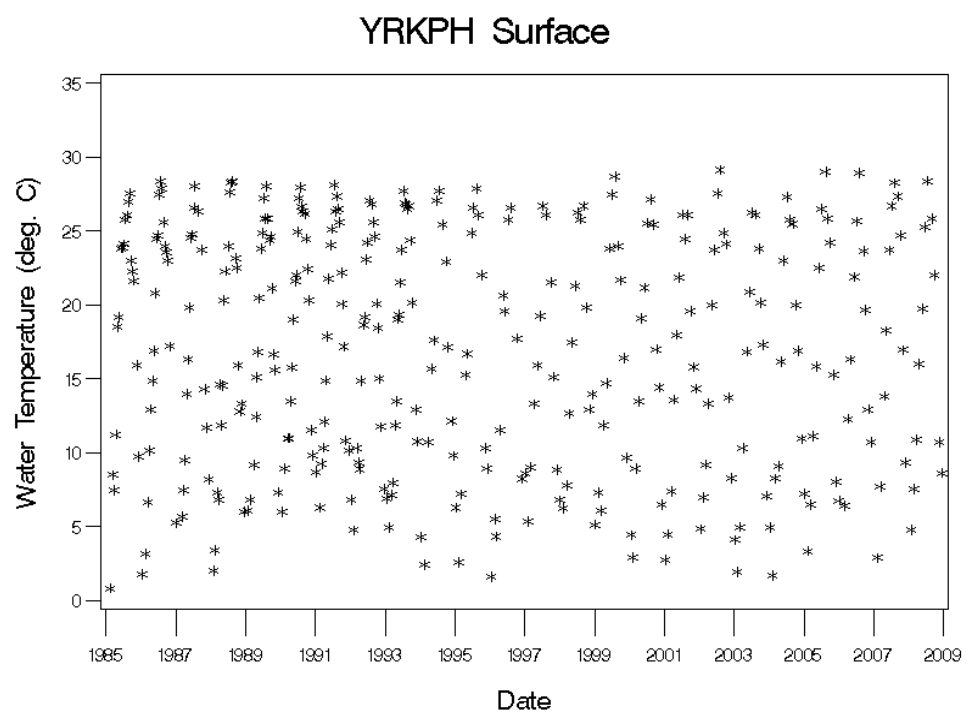


Figure 99. Scatterplot of surface water temperature at segment YRKPH during the period 1985 to 2008.

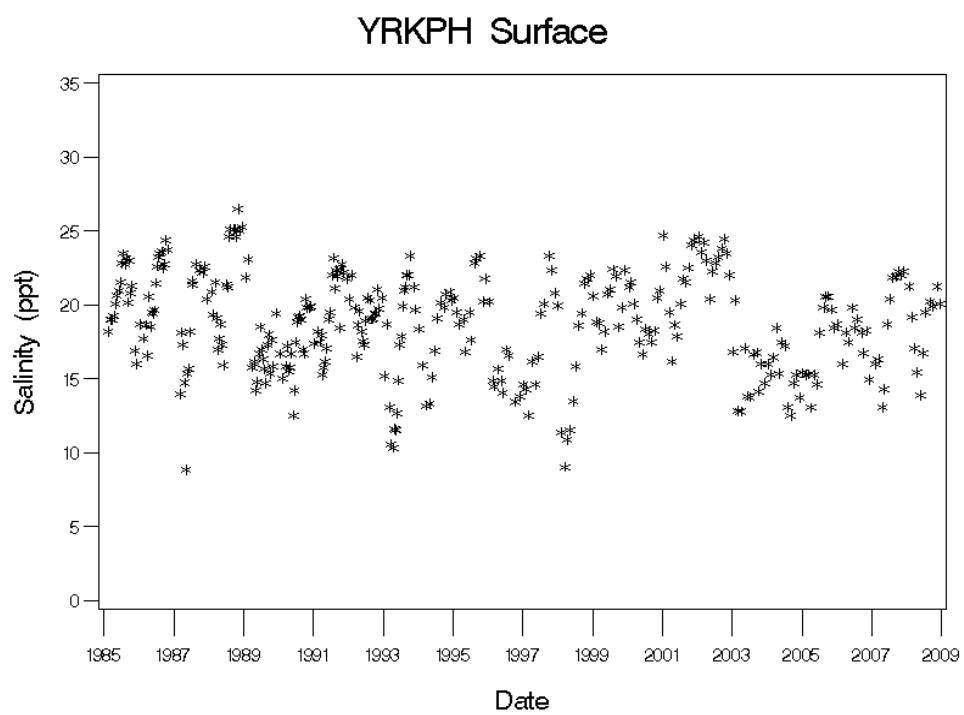
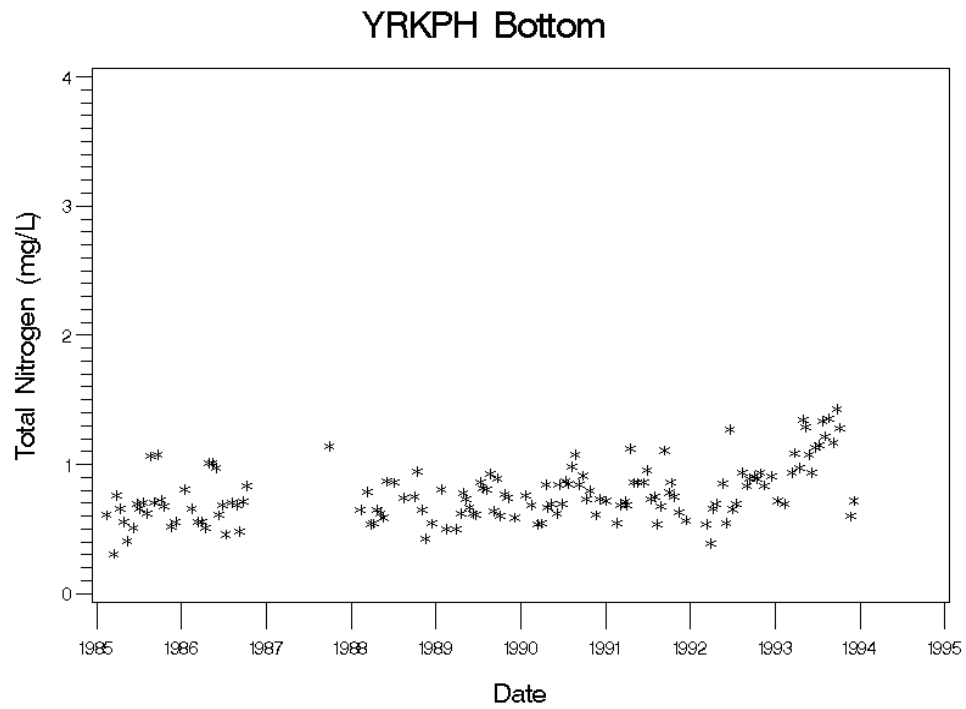


Figure 100. Scatterplot of surface salinity at segment YRKPH during the period 1985 to 2008.

a) Pre-method change period



b) Post-method change period

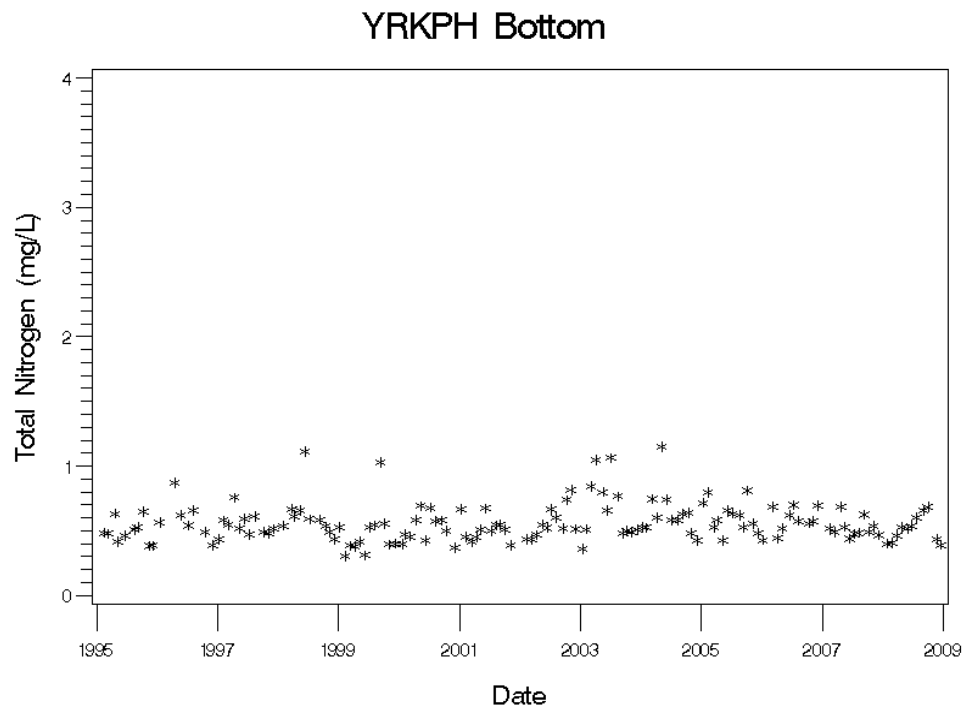
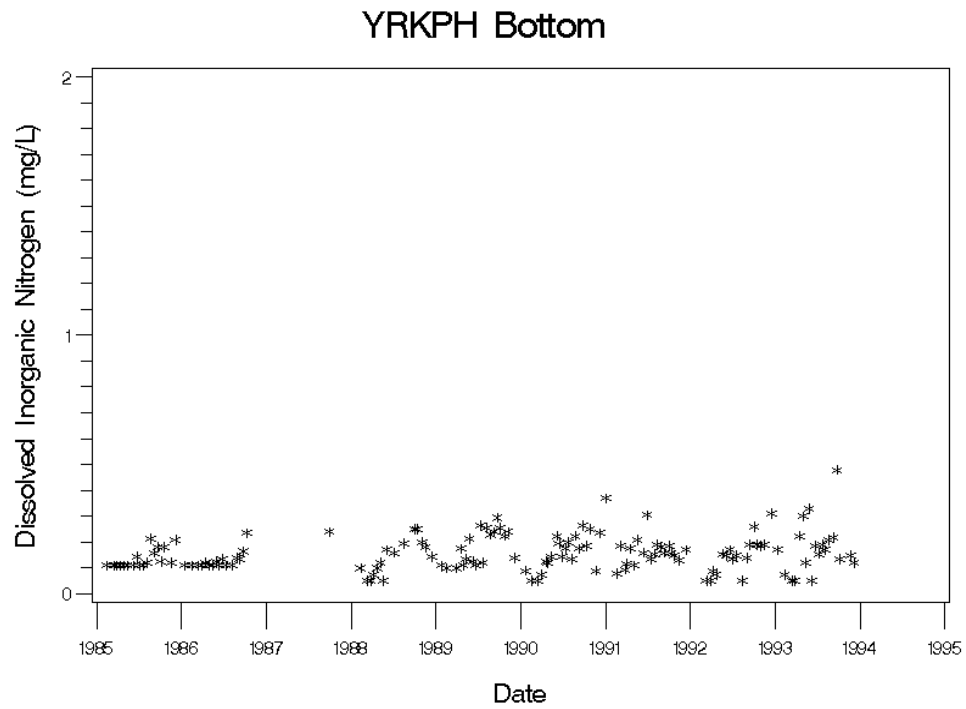


Figure 101. Scatterplots of bottom total nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

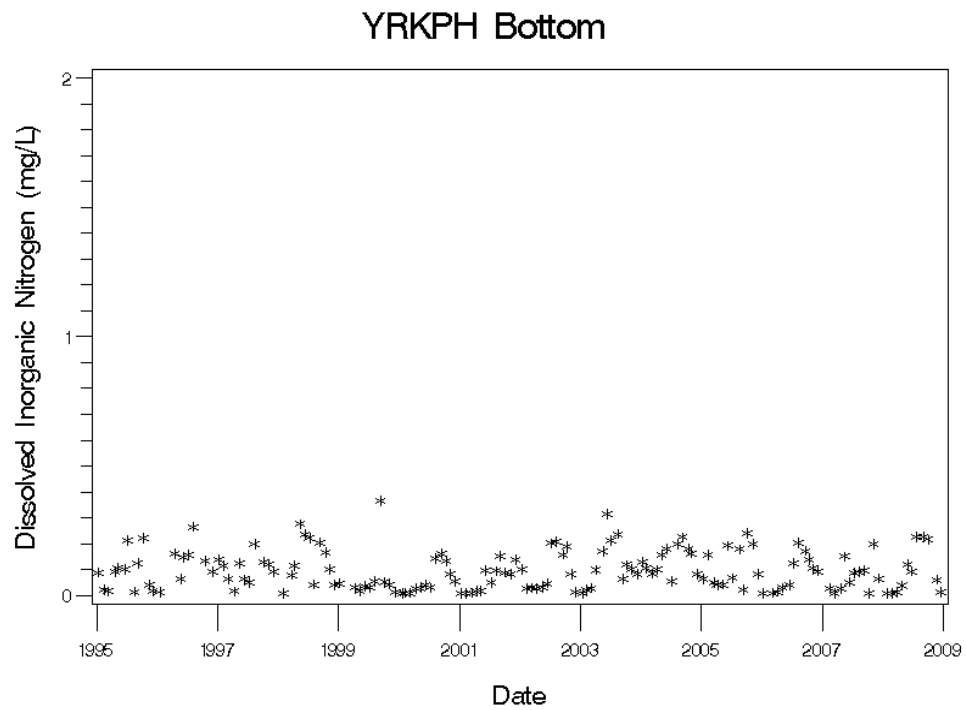
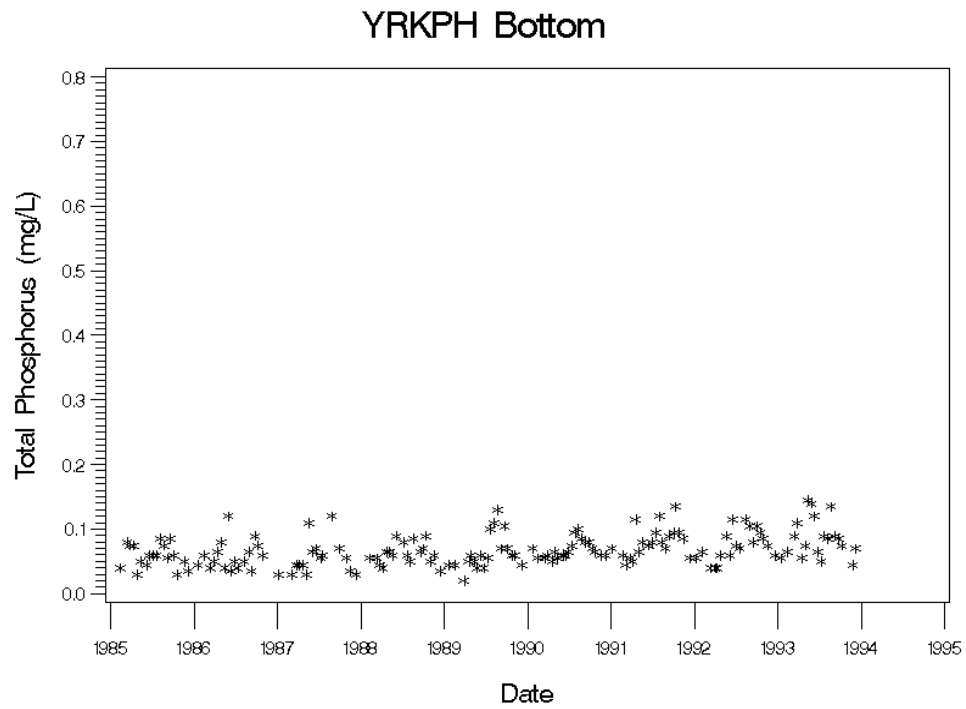


Figure 102. Scatterplots of bottom dissolved inorganic nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

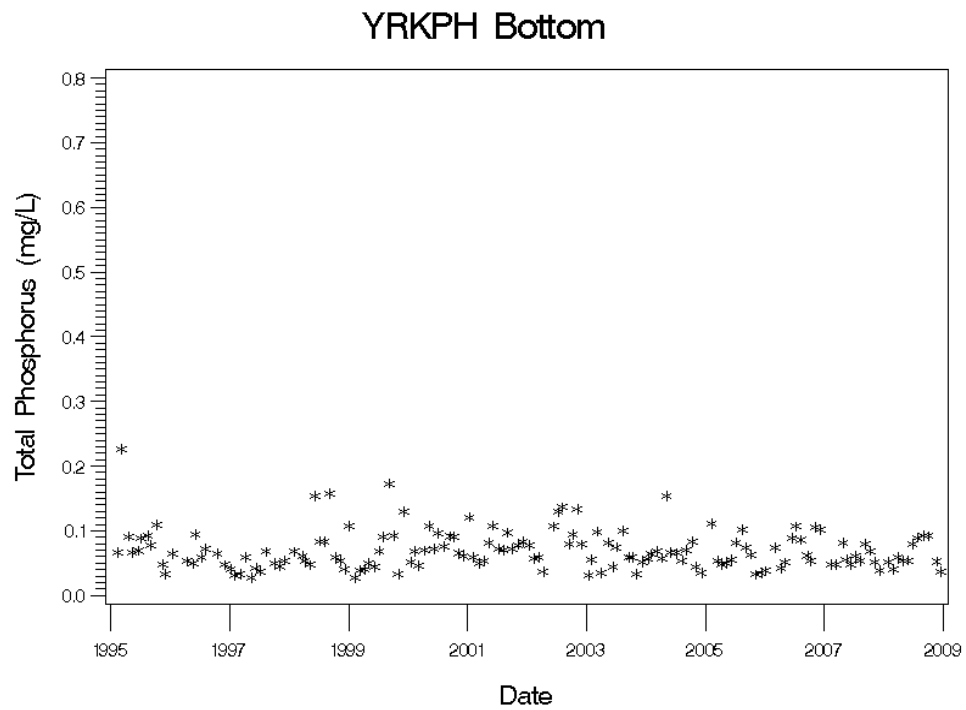
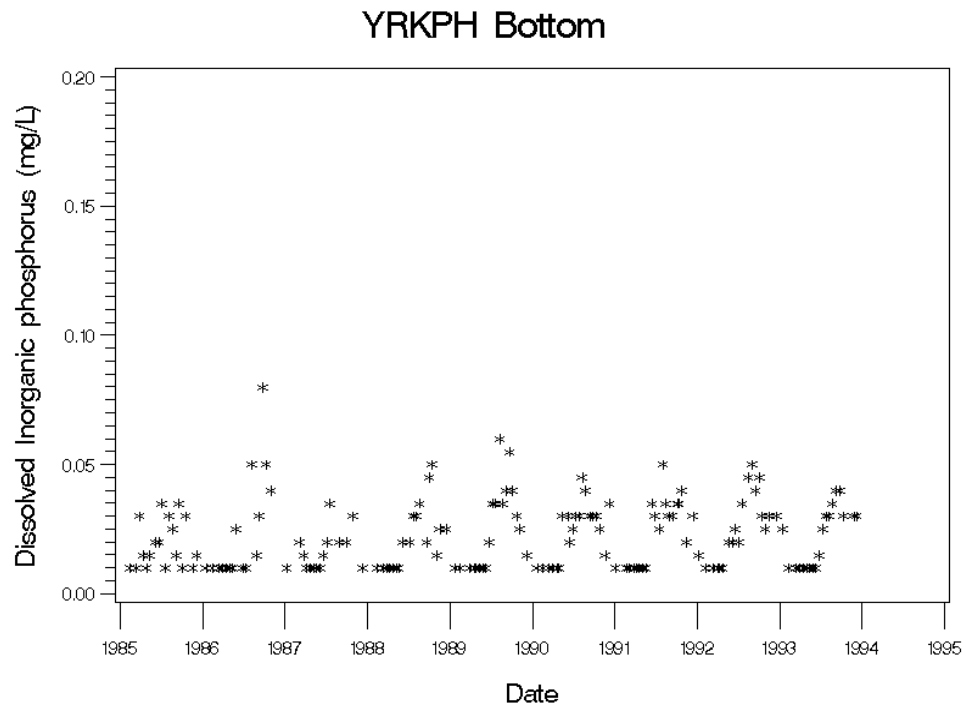


Figure 103. Scatterplots of bottom total phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

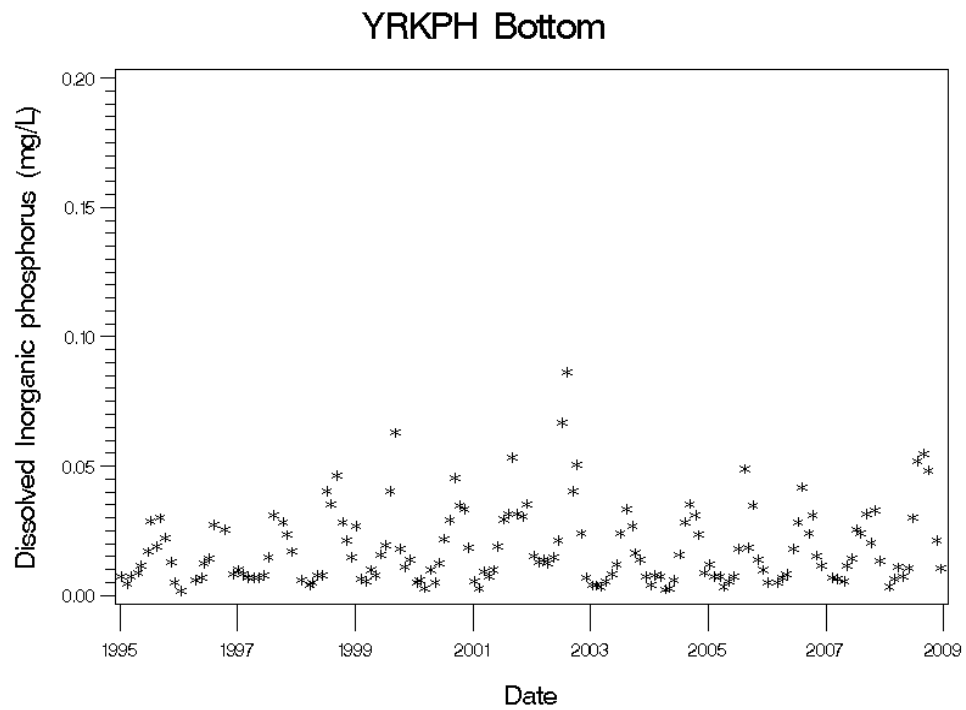


Figure 104. Scatterplots of bottom dissolved inorganic phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

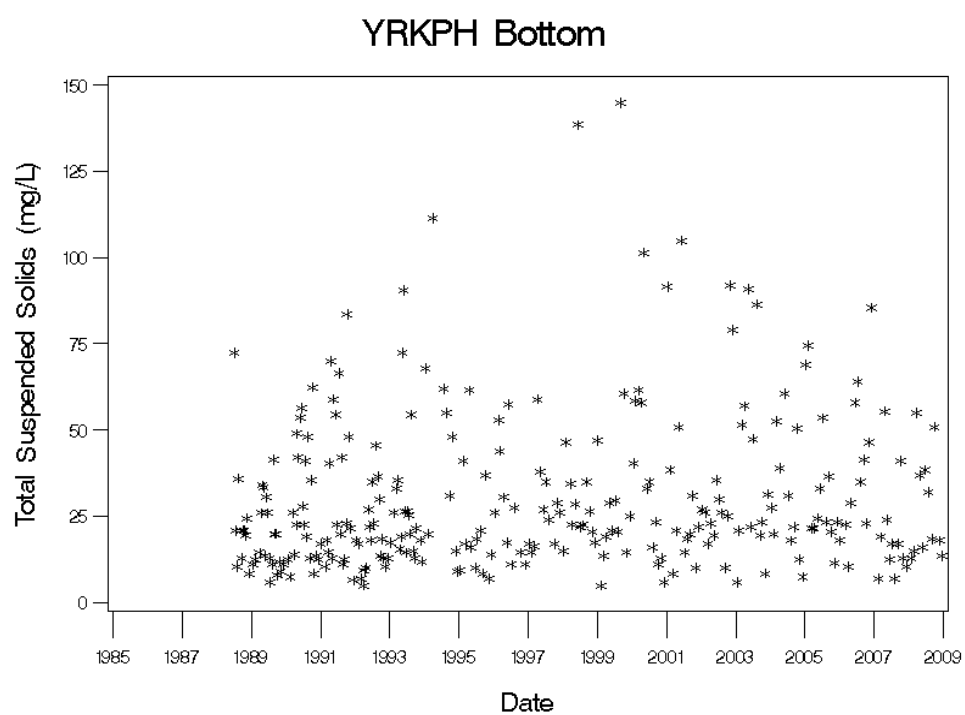


Figure 105. Scatterplot of bottom total suspended solids at segment YRKPH during the period 1985 to 2008.

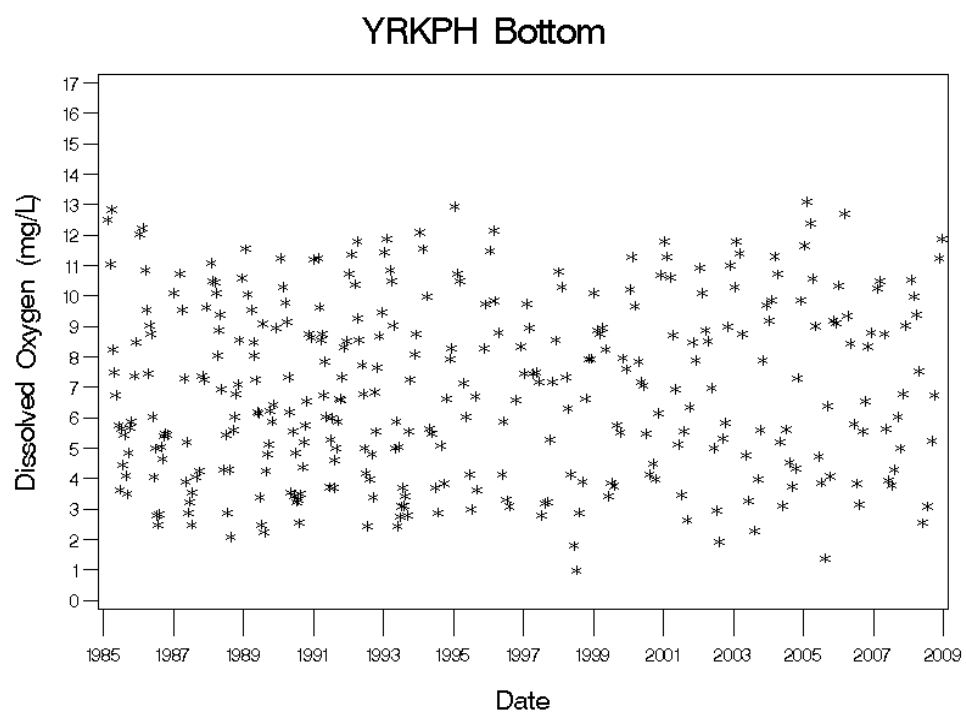


Figure 106. Scatterplot of bottom dissolved oxygen at segment YRKPH during the period 1985 to 2008.

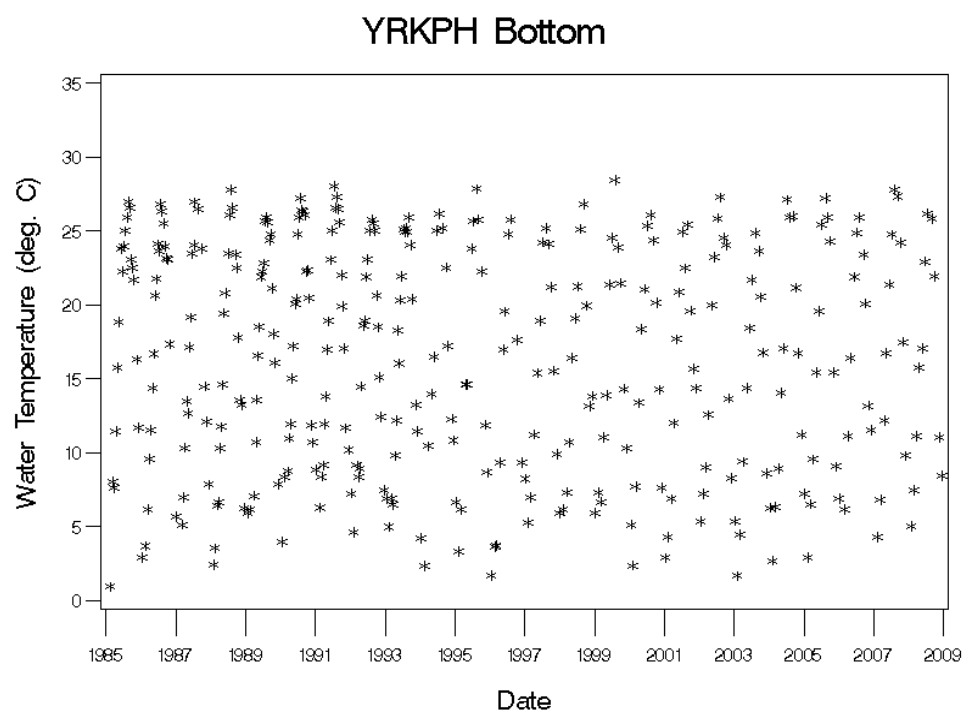


Figure 107. Scatterplot of bottom water temperature at segment YRKPH during the period 1985 to 2008.

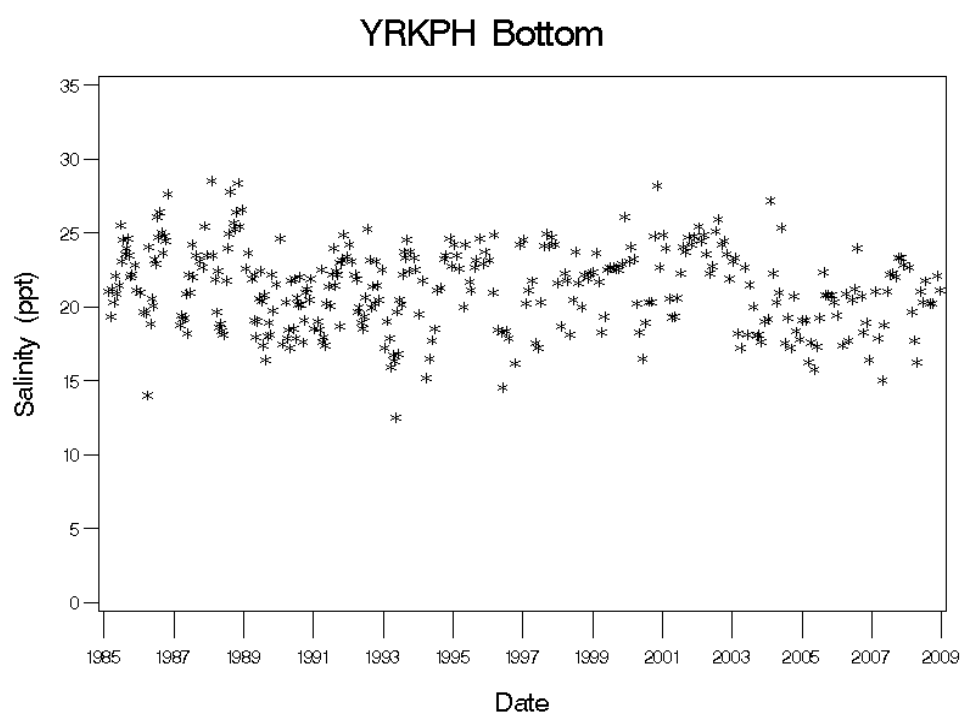
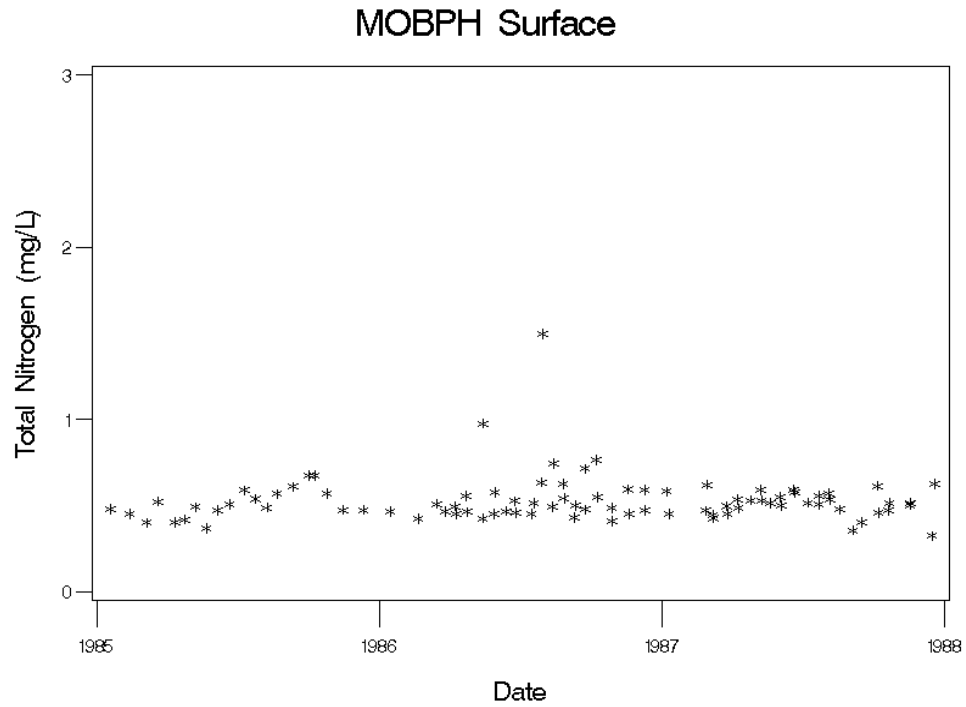


Figure 108. Scatterplot of bottom salinity at segment YRKPH during the period 1985 to 2008.

a) Pre-method change period



b) Post-method change period

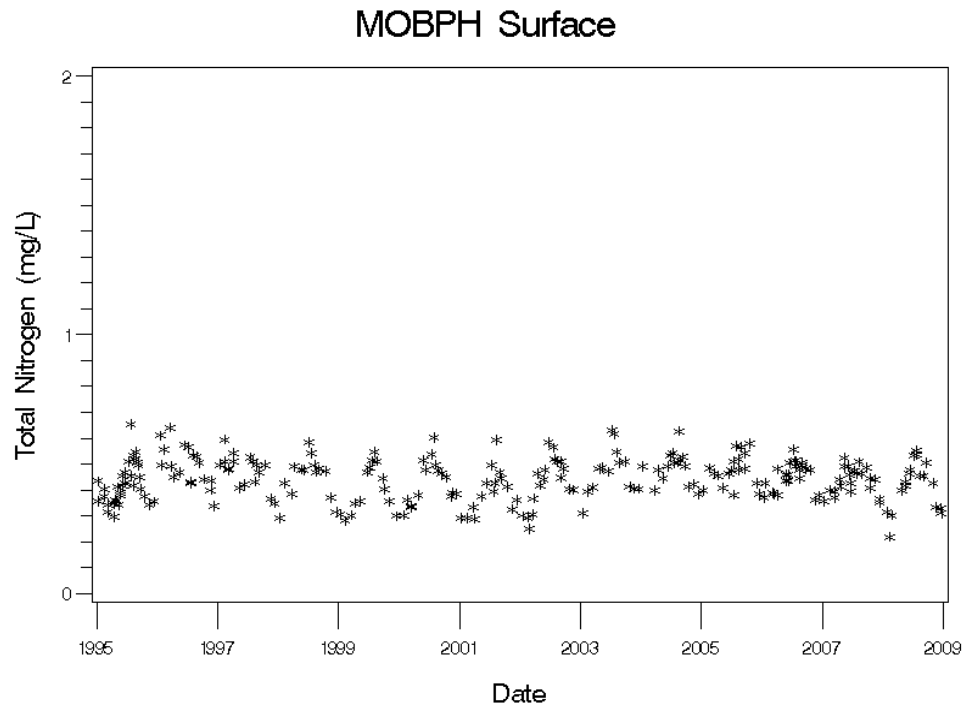
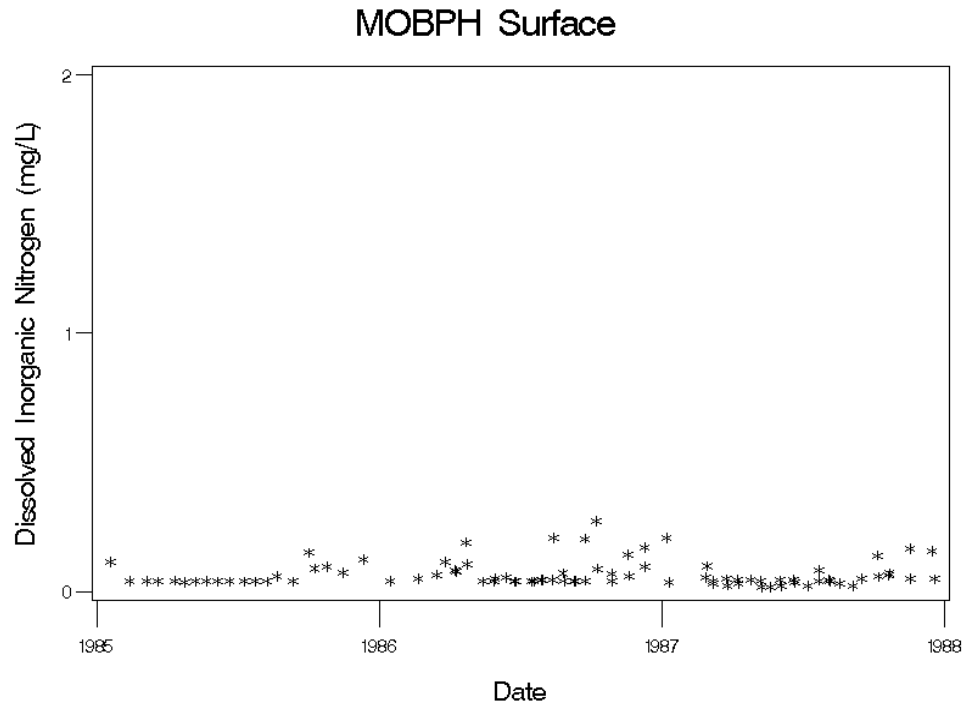


Figure 109. Scatterplots of surface total nitrogen at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

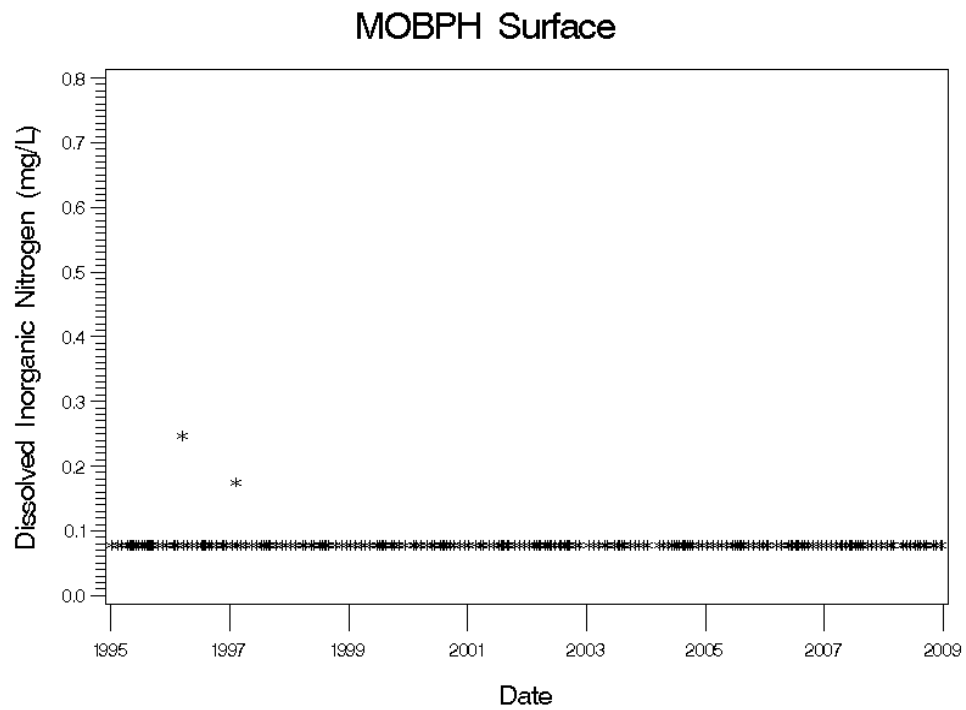
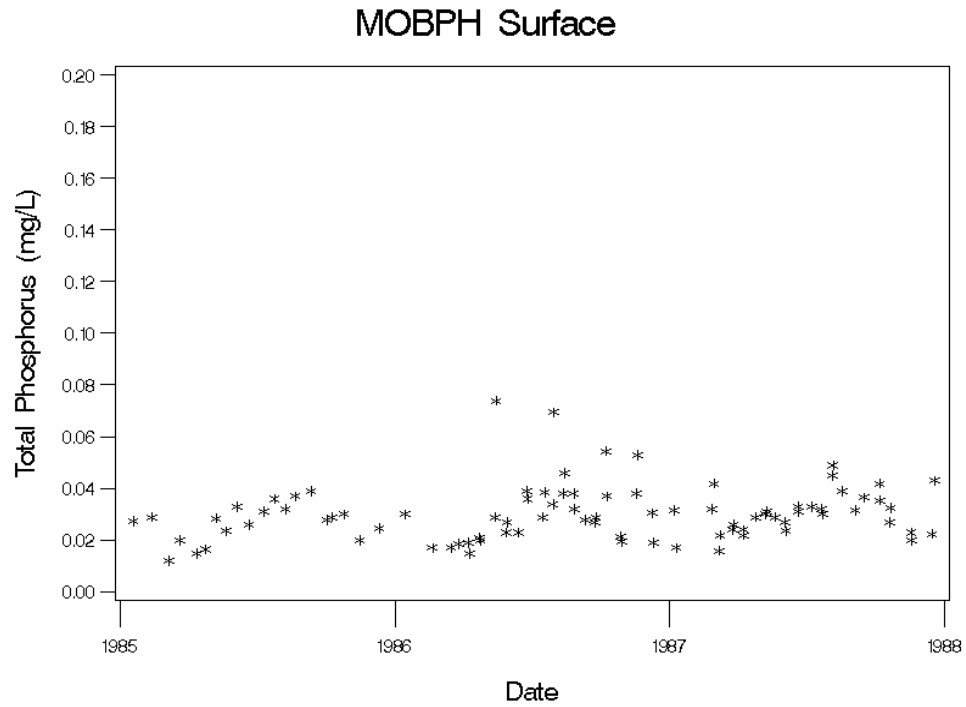


Figure 110. Scatterplots of surface dissolved inorganic nitrogen at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

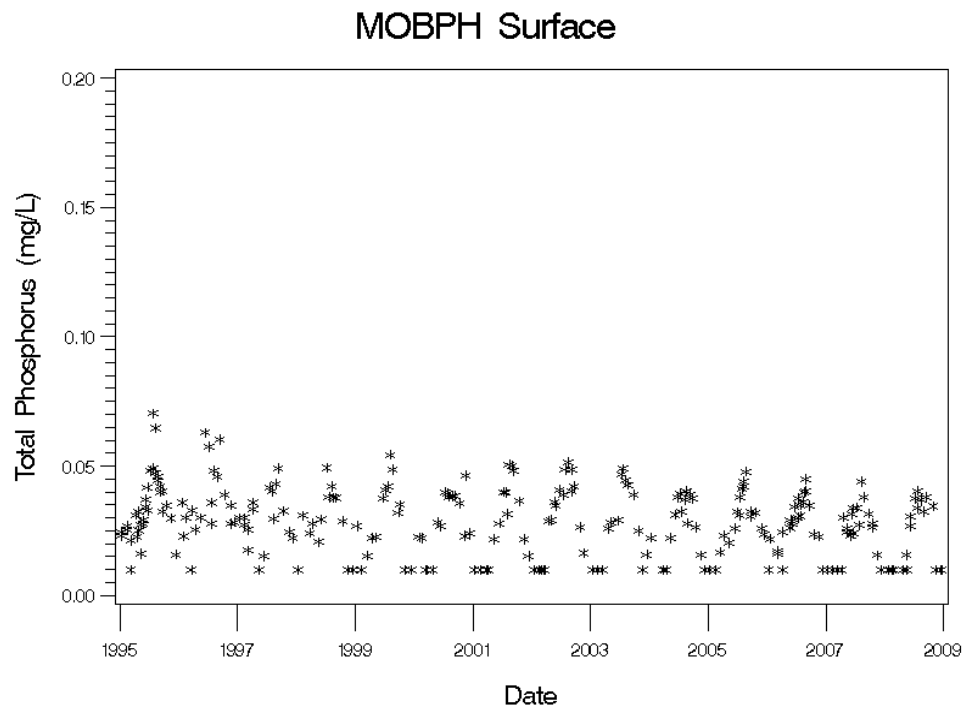
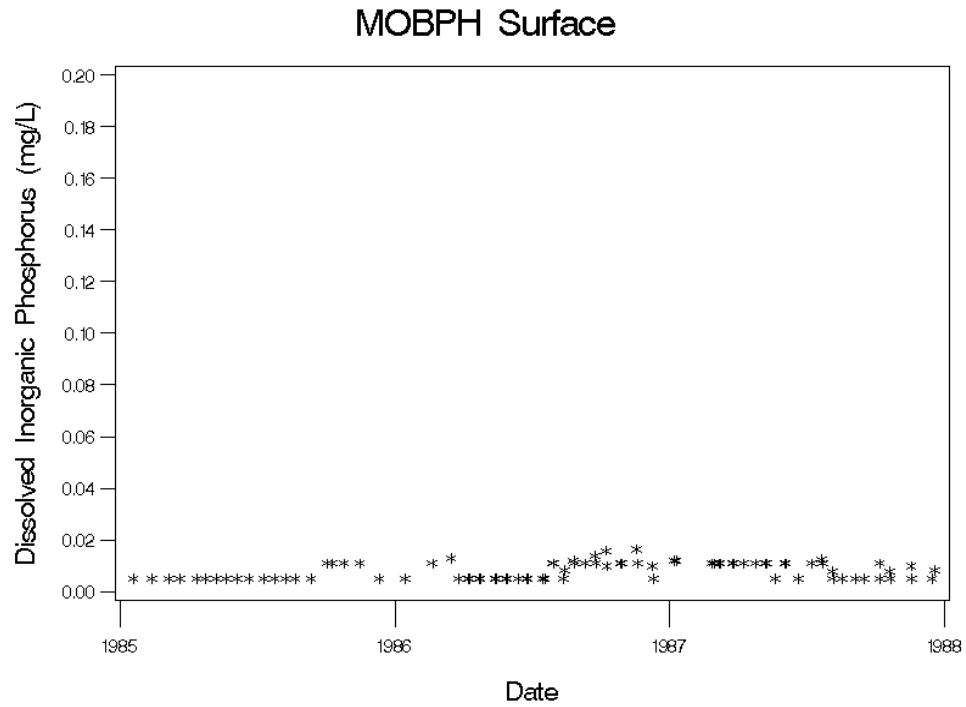


Figure 111. Scatterplots of surface total phosphorus at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

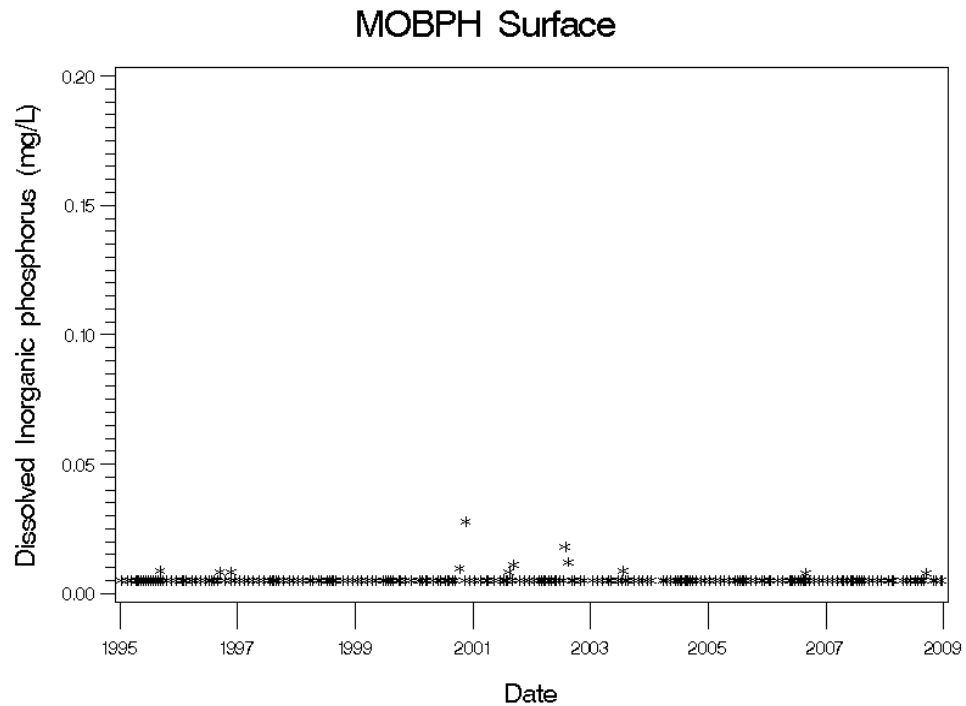


Figure 112. Scatterplots of surface dissolved inorganic phosphorus at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

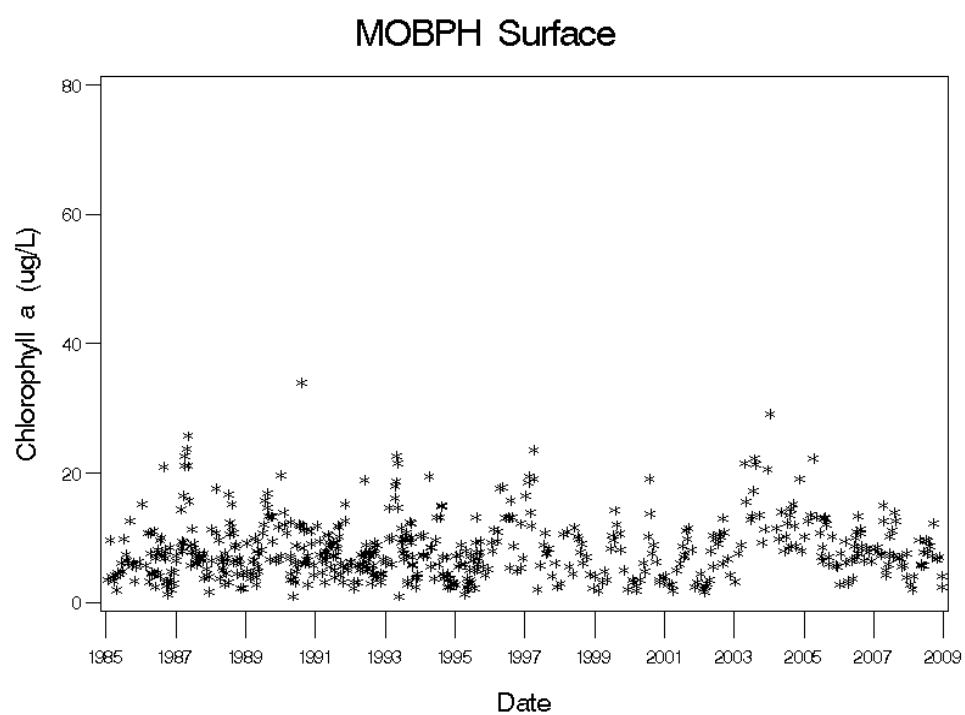


Figure 113. Scatterplot of surface chlorophyll a at segment MOBPH during the period of 1985 to 2008.

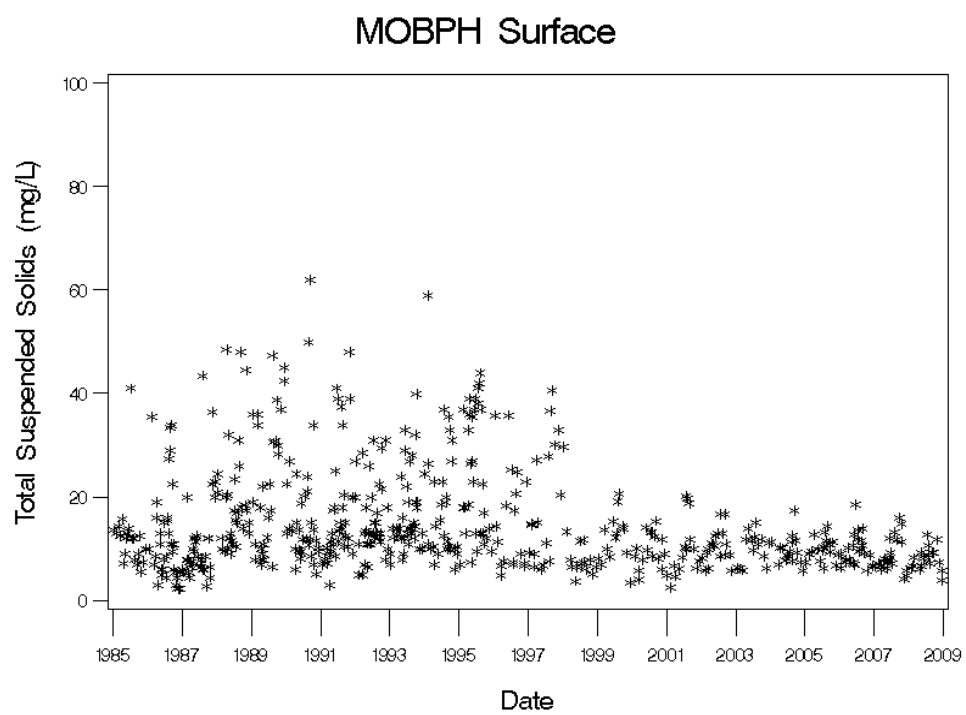


Figure 114. Scatterplot of surface total suspended solids at segment MOBPH during the period of 1985 to 2008.

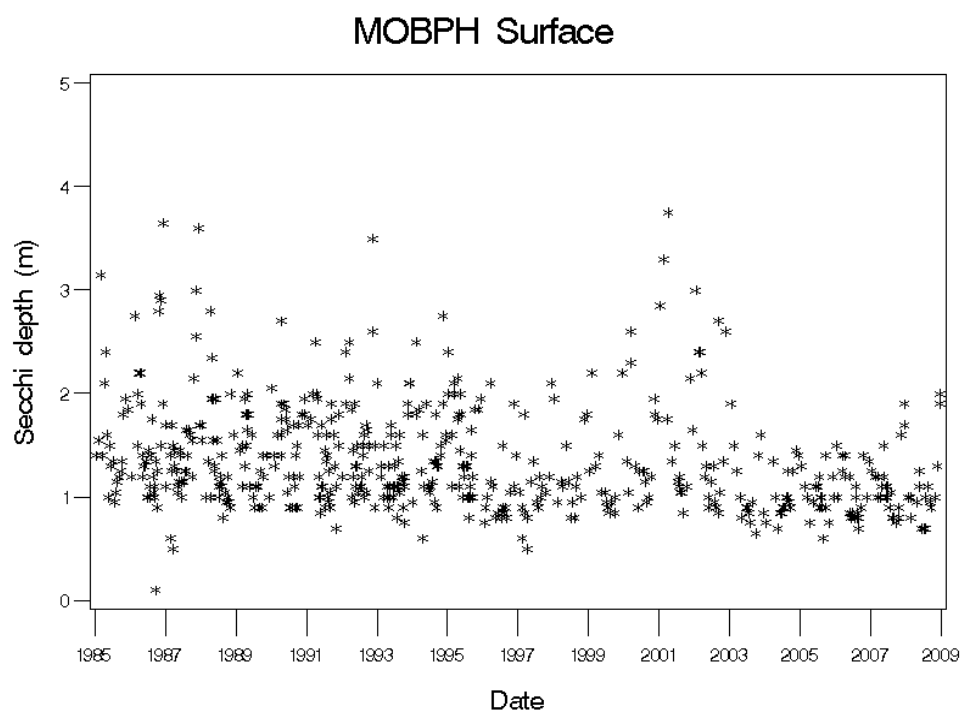


Figure 115. Scatterplot of secchi depth at segment MOBPH during the period of 1985 to 2008.

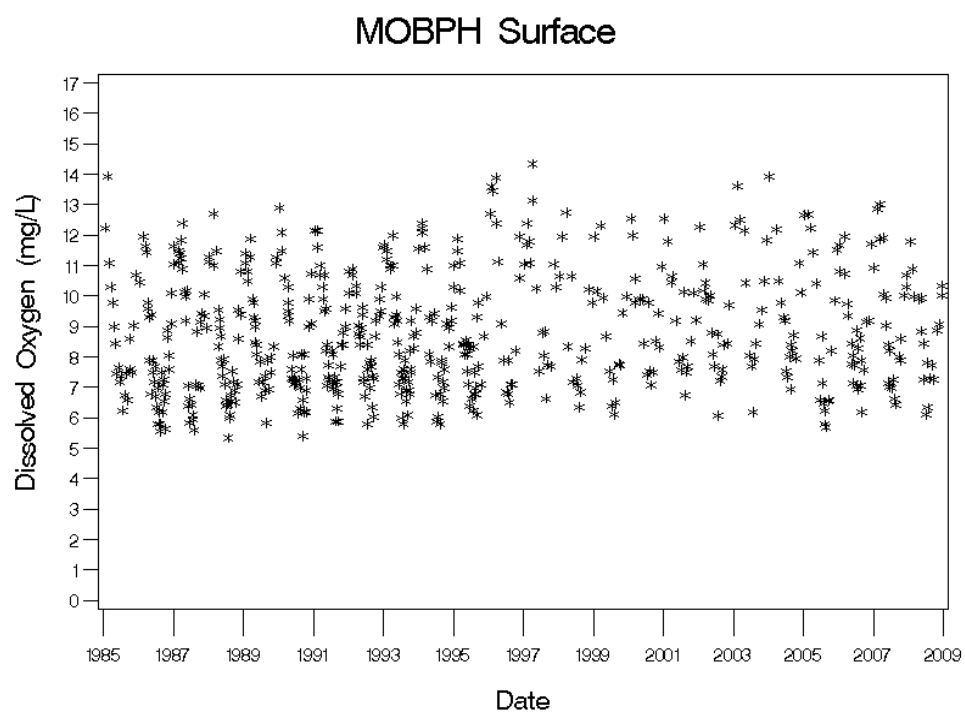


Figure 116. Scatterplot of surface dissolved oxygen at segment MOBPH during the period of 1985 to 2008.

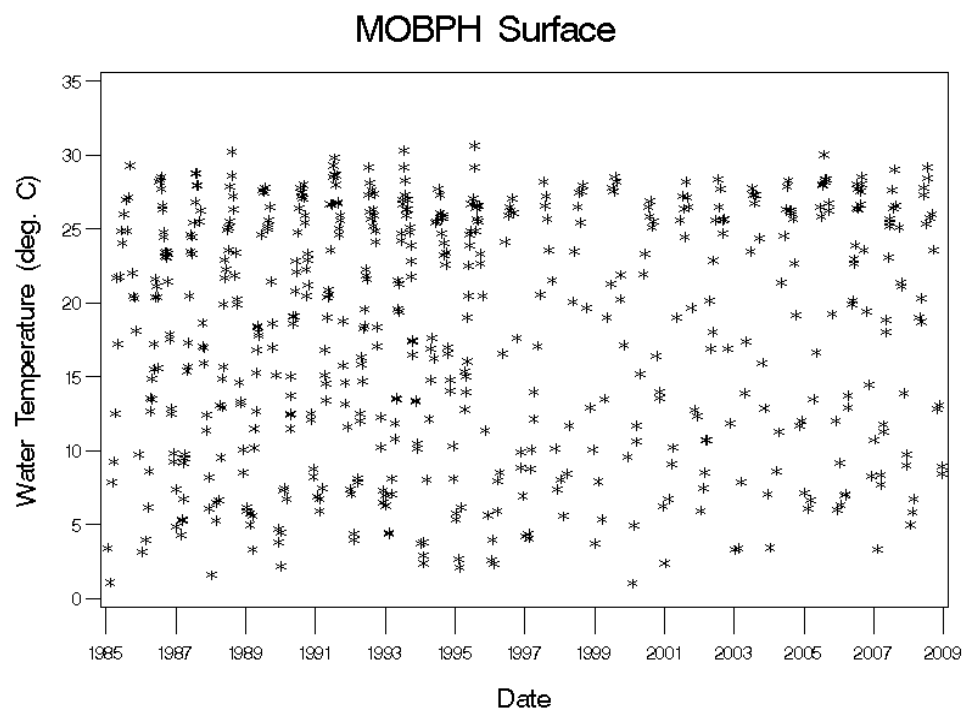


Figure 117. Scatterplot of surface water temperature at segment MOBPH during the period of 1985 to 2008.

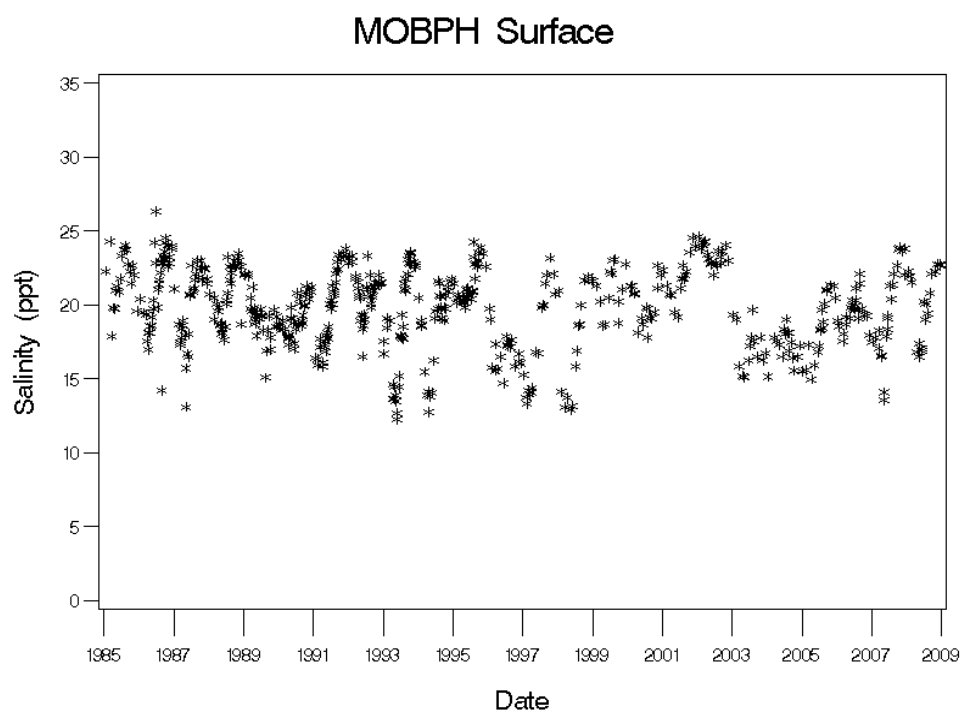
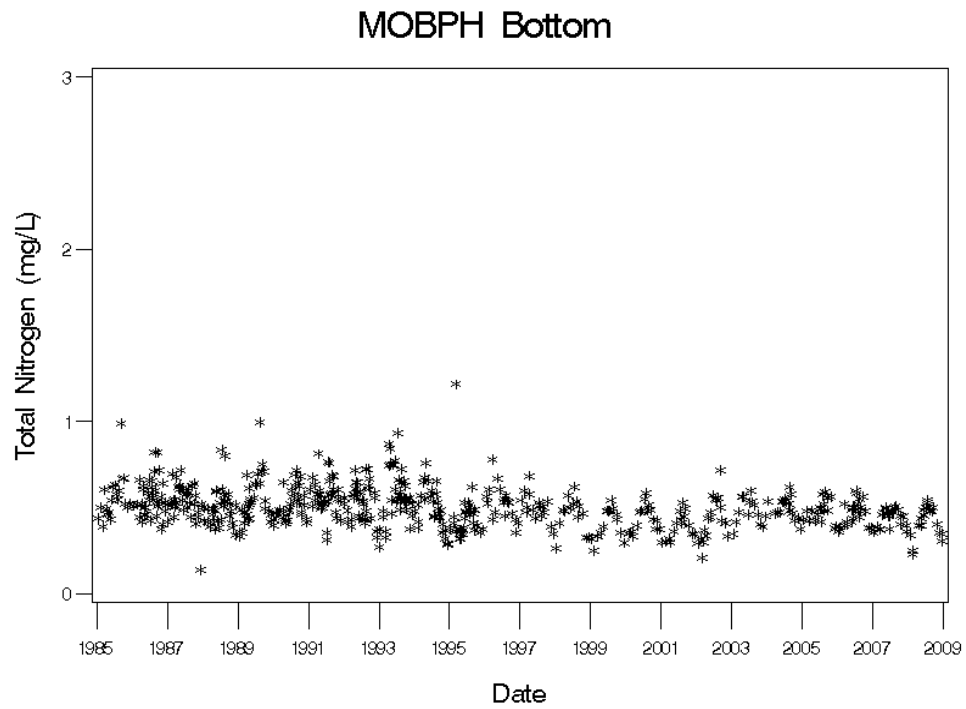


Figure 118. Scatterplot of surface salinity at segment MOBPH during the period of 1985 to 2008.

a) Pre-method change period



b) Post-method change period

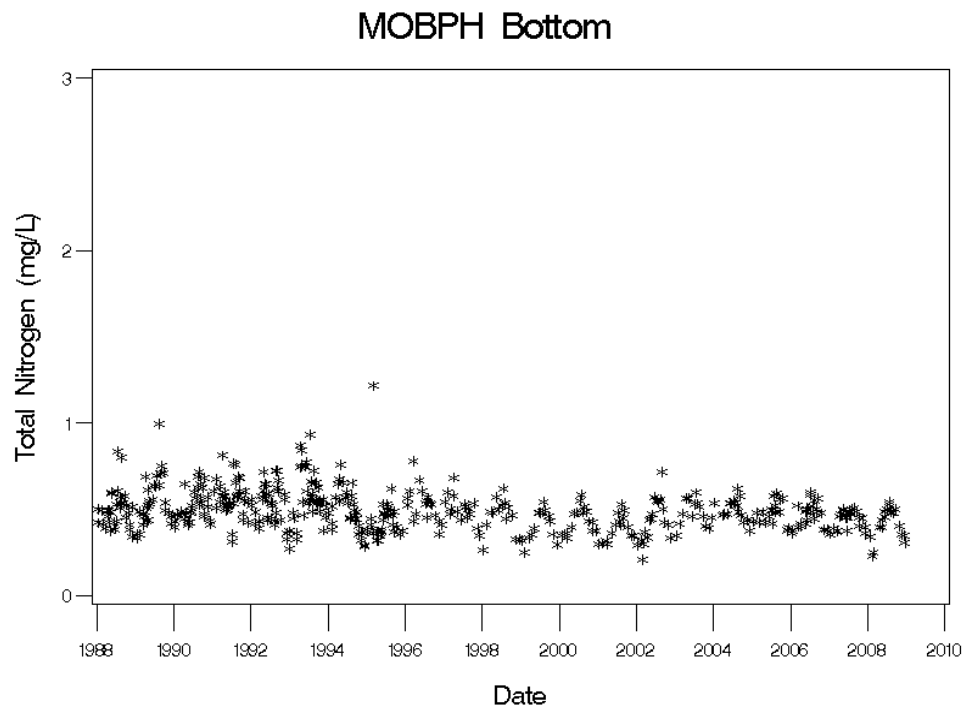
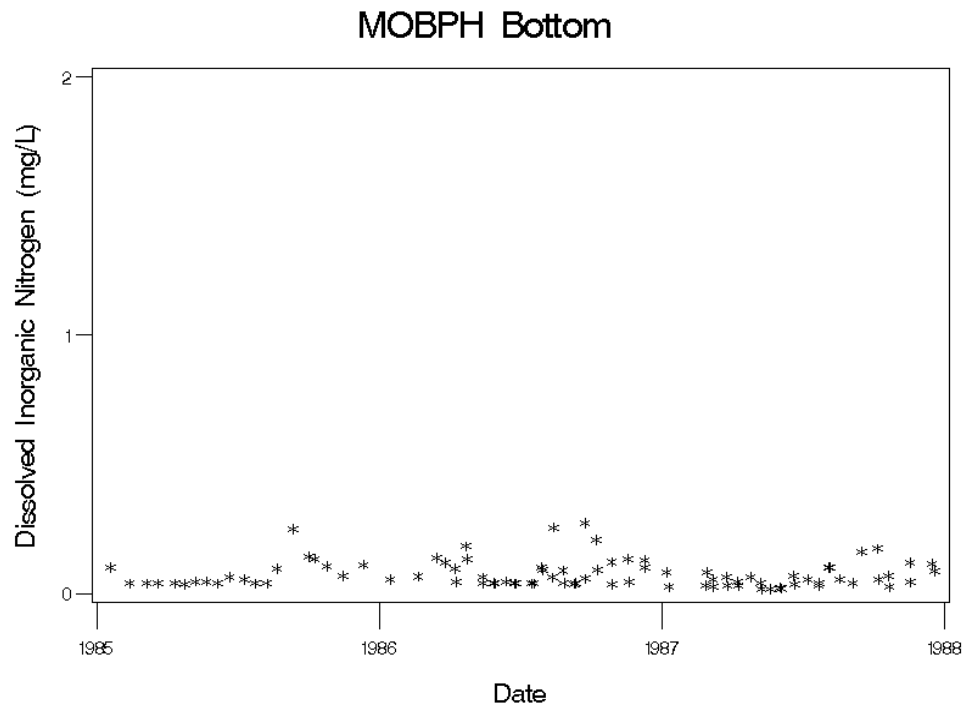


Figure 119. Scatterplots of bottom total nitrogen at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

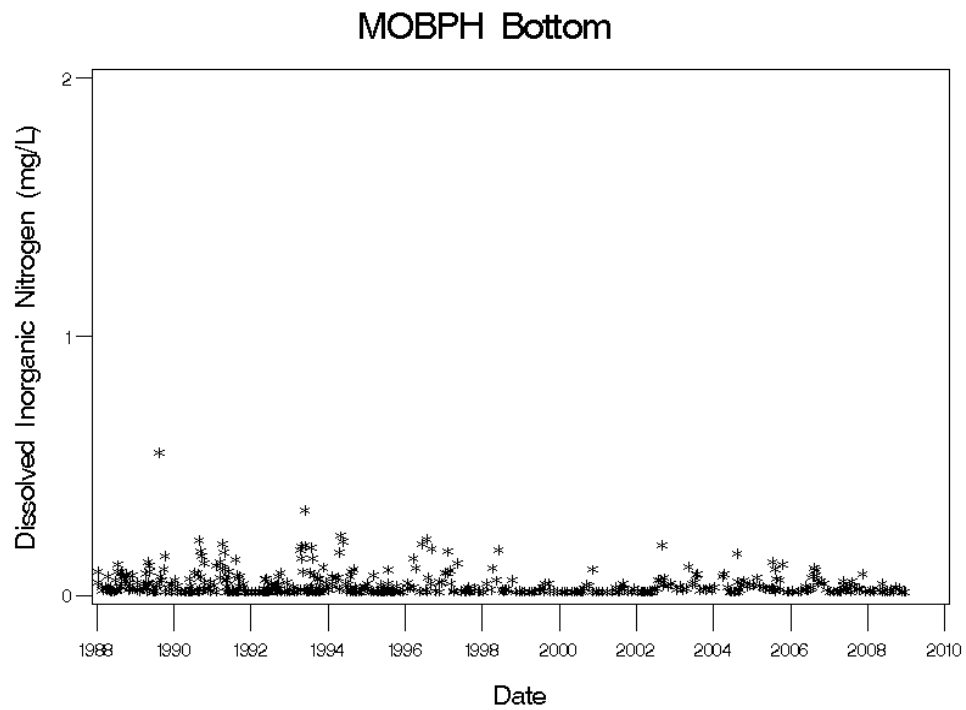
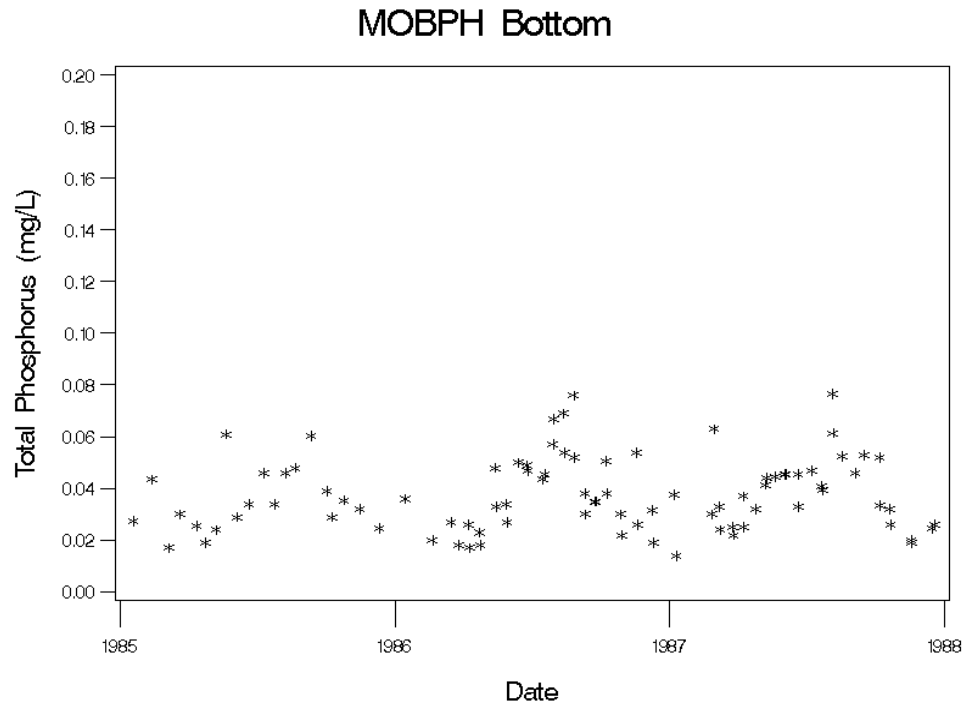


Figure 120. Scatterplots of bottom dissolved inorganic nitrogen at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

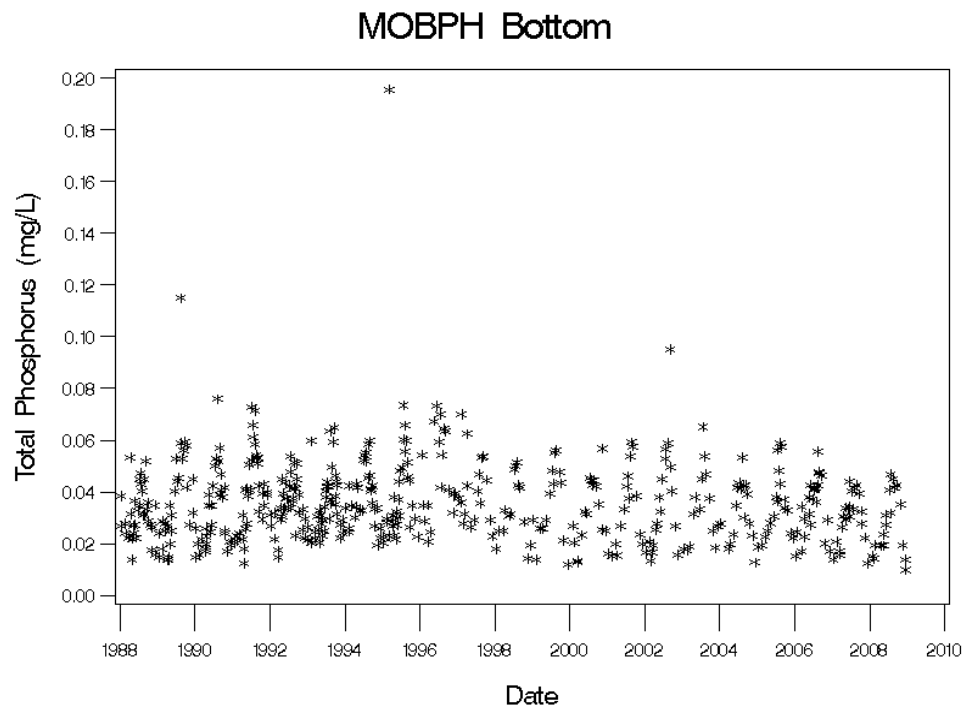
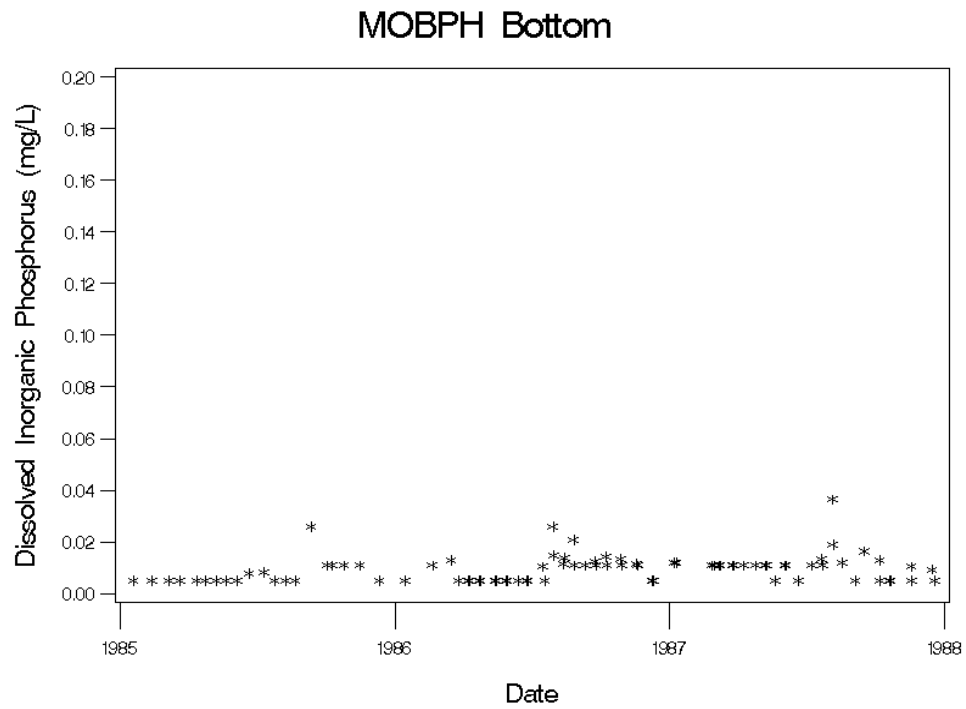


Figure 121. Scatterplots of bottom total phosphorus at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

a) Pre-method change period



b) Post-method change period

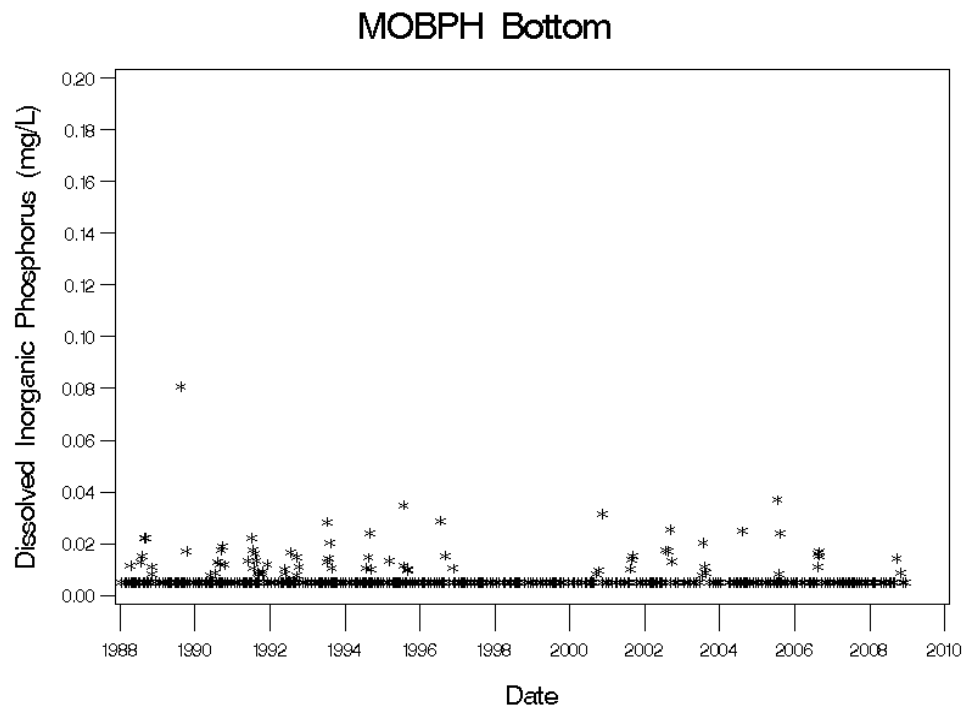


Figure 122. Scatterplots of bottom dissolved inorganic phosphorus at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2008) periods.

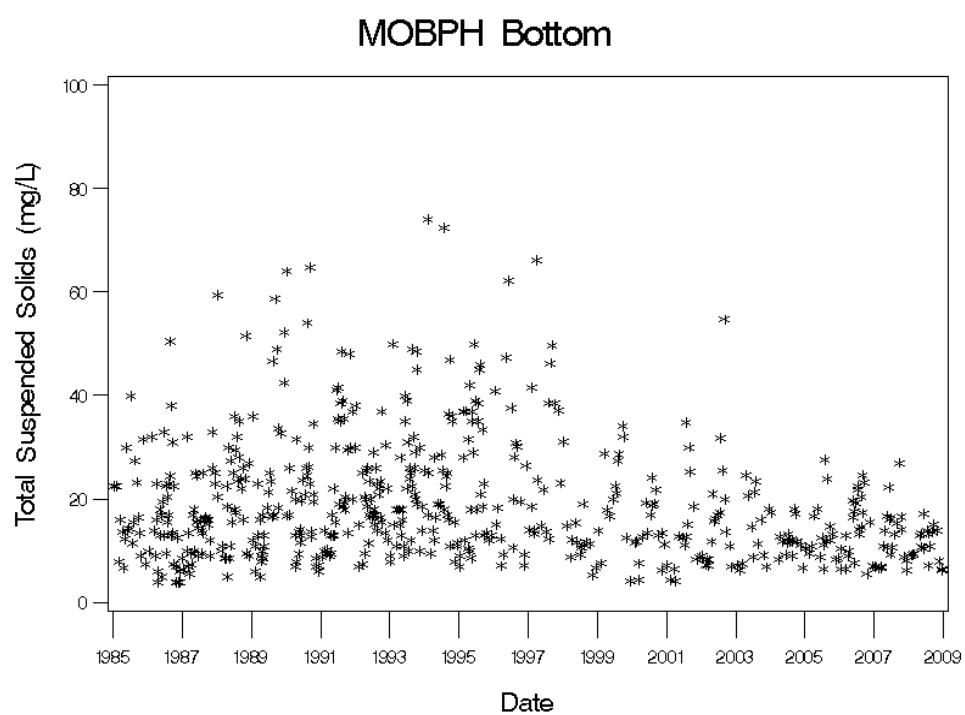


Figure 123. Scatterplot of bottom total suspended solids at segment MOBPH during the period of 1985 to 2008.

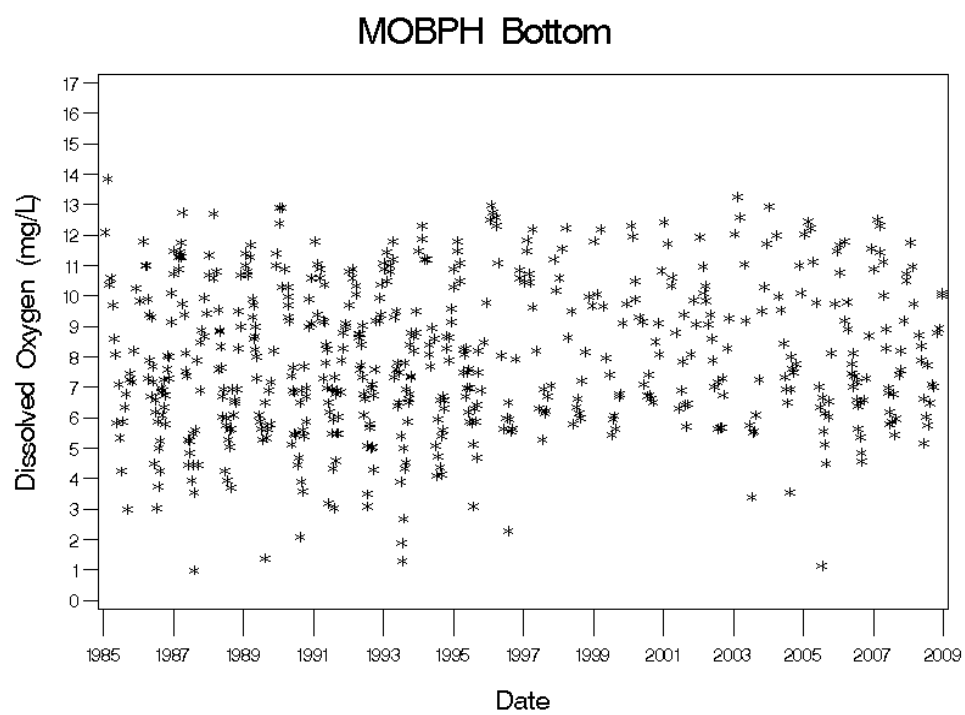


Figure 124. Scatterplot of bottom dissolved oxygen at segment MOBPH during the period of 1985 to 2008.

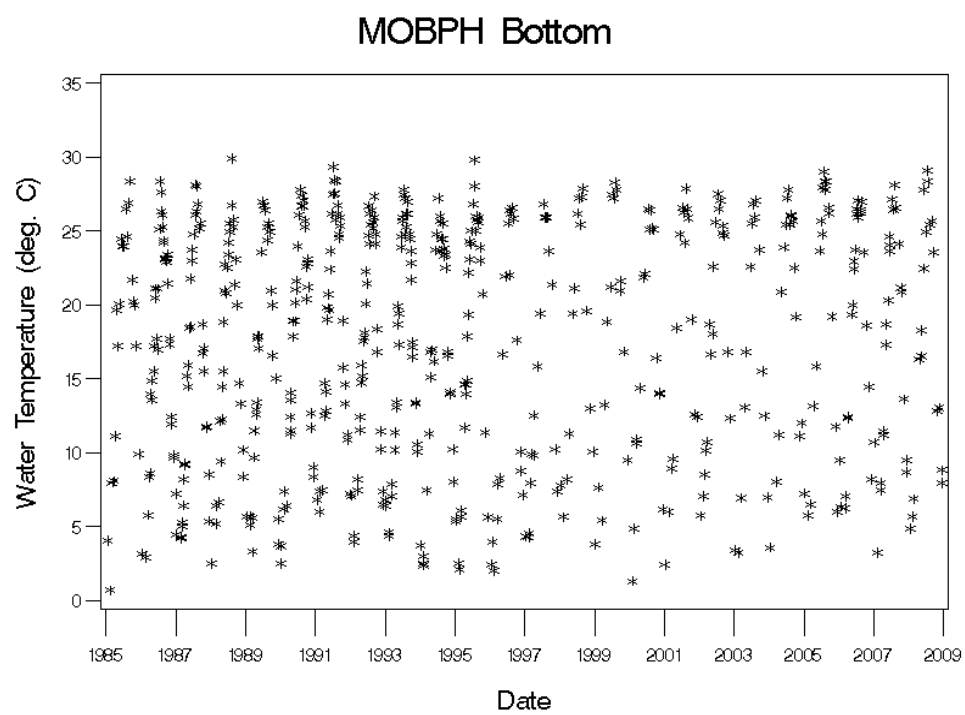


Figure 125. Scatterplot of bottom water temperature at segment MOBPH during the period of 1985 to 2008.

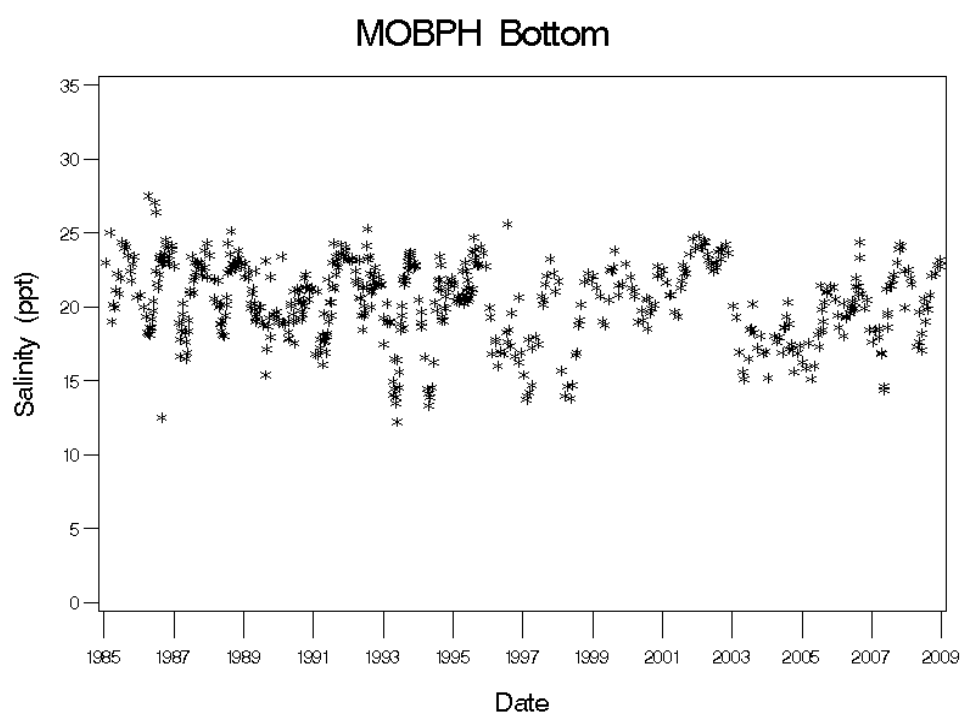


Figure 126. Scatterplot of bottom salinity at segment MOBPH during the period of 1985 to 2008.