

Appendix B - Section III. York River Water Quality Scatterplots

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 (1995-2013) periods.....	8
Figure 2. Scatterplots of surface dissolved inorganic nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	9
Figure 3. Scatterplots of surface total phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.....	10
Figure 4. Scatterplots of surface dissolved inorganic phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	11
Figure 5. Scatterplot of surface chlorophyll a at segment PMKTF during the period 1985 to 2013.....	12
Figure 6. Scatterplot of surface total suspended solids at segment PMKTF during the period 1985 to 2013.	13
Figure 7. Scatterplot of secchi depth at segment PMKTF during the period 1985 to 2013.....	14
Figure 8. Scatterplot of surface dissolved oxygen at segment PMKTF during the period 1985 to 2013.	15
Figure 9. Scatterplot of surface water temperature at segment PMKTF during the period 1985 to 2013.	16
Figure 10. Scatterplot of surface salinity at segment PMKTF during the period 1985 to 2013.	17
Figure 11. Scatterplot of surface DO saturation at segment PMKTF during the period 1985 to 2013.	18
Figure 12. Scatterplots of bottom total nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.....	19
Figure 13. Scatterplots of bottom dissolved inorganic nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	20
Figure 14. Scatterplots of bottom total phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	21
Figure 15. Scatterplots of bottom dissolved inorganic phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	22
Figure 16. Scatterplot of bottom total suspended solids at segment PMKTF during the period 1985 to 2013.	23
Figure 17. Scatterplot of bottom dissolved oxygen at segment PMKTF during the period 1985 to 2013.	24
Figure 18. Scatterplot of bottom water temperature at segment PMKTF during the period 1985 to 2013.	25
Figure 19. Scatterplot of bottom salinity at segment PMKTF during the period 1985 to 2013.....	26
Figure 20. Scatterplot of bottom DO saturation at segment PMKTF during the period 1985 to 2013.	27

Figure 21. Scatterplots of surface total nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.....	28
Figure 22. Scatterplots of surface dissolved inorganic nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	29
Figure 23. Scatterplots of surface total phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	30
Figure 24. Scatterplots of surface dissolved inorganic phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	31
Figure 25. Scatterplot of surface chlorophyll a at segment PMKOH during the period 1985 to 2013.	32
Figure 26. Scatterplot of surface total suspended solids at segment PMKOH during the period 1985 to 2013.	33
Figure 27. Scatterplot of secchi depth at segment PMKOH during the period 1985 to 2013.	34
Figure 28. Scatterplot of surface dissolved oxygen at segment PMKOH during the period 1985 to 2013.	35
Figure 29. Scatterplot of surface water temperature at segment PMKOH during the period 1985 to 2013.	36
Figure 30. Scatterplot of surface salinity at segment PMKOH during the period 1985 to 2013.	37
Figure 31. Scatterplot of surface DO saturation at segment PMKOH during the period 1985 to 2013.	38
Figure 32. Scatterplots of bottom total nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.....	39
Figure 33. Scatterplots of bottom dissolved inorganic nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	40
Figure 34. Scatterplots of bottom total phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	41
Figure 35. Scatterplots of bottom dissolved inorganic phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	42
Figure 36. Scatterplot of bottom total suspended solids at segment PMKOH during the period 1985 to 2013.	43
Figure 37. Scatterplot of bottom dissolved oxygen at segment PMKOH during the period 1985 to 2013.	44
Figure 38. Scatterplot of bottom water temperature at segment PMKOH during the period 1985 to 2013.	45
Figure 39. Scatterplot of bottom salinity at segment PMKOH during the period 1985 to 2013.	46
Figure 40. Scatterplot of bottom DO saturation at segment PMKOH during the period 1985 to 2013.	47
Figure 41. Scatterplots of surface total nitrogen at segment MPNTF during the a) Pre-method change (1985- 1993) and b) Post-method change (1995-2013) periods.....	48

Figure 42. Scatterplots of surface dissolved inorganic nitrogen at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	49
Figure 43. Scatterplots of surface total phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	50
Figure 44. Scatterplots of surface dissolved inorganic phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	51
Figure 45. Scatterplot of surface chlorophyll a at segment MPNTF during the period 1985 to 2013.	52
Figure 46. Scatterplot of surface total suspended solids at segment MPNTF during the period 1985 to 2013.	53
Figure 47. Scatterplot of secchi depth at segment MPNTF during the period 1985 to 2013.	54
Figure 48. Scatterplot of surface dissolved oxygen at segment MPNTF during the period 1985 to 2013.	55
Figure 49. Scatterplot of surface water temperature at segment MPNTF during the period 1985 to 2013.	56
Figure 50. Scatterplot of surface salinity at segment MPNTF during the period 1985 to 2013.	57
Figure 51. Scatterplot of surface DO saturation at segment MPNTF during the period 1985 to 2013.	58
Figure 52. Scatterplots of bottom total nitrogen at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	59
Figure 53. Scatterplots of bottom dissolved inorganic nitrogen at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	60
Figure 54. Scatterplots of bottom total phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	61
Figure 55. Scatterplots of bottom dissolved inorganic phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	62
Figure 56. Scatterplot of bottom total suspended solids at segment MPNTF during the period 1985 to 2013.	63
Figure 57. Scatterplot of bottom dissolved oxygen at segment MPNTF during the period 1985 to 2013.	64
Figure 58. Scatterplot of bottom water temperature at segment MPNTF during the period 1985 to 2013.	65
Figure 59. Scatterplot of bottom salinity at segment MPNTF during the period 1985 to 2013.	66
Figure 60. Scatterplot of bottom DO saturation at segment MPNTF during the period 1985 to 2013.	67
Figure 61. Scatterplots of surface total nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	68
Figure 62. Scatterplots of surface dissolved inorganic nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	69

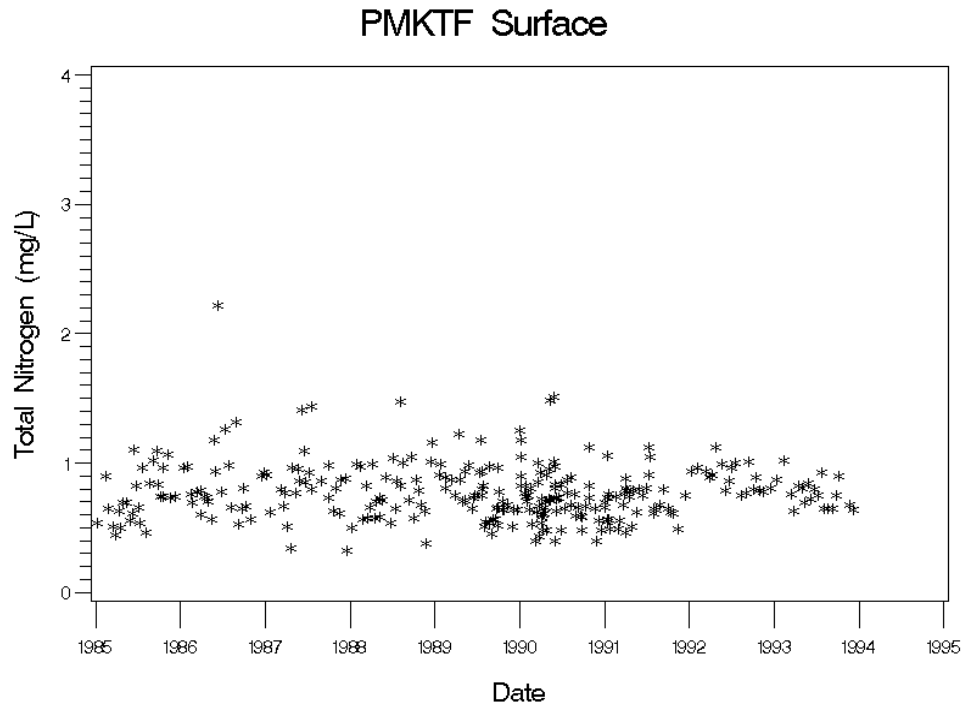
Figure 63. Scatterplots of surface total phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	70
Figure 64. Scatterplots of surface dissolved inorganic phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	71
Figure 65. Scatterplot of surface chlorophyll a at segment MPNOH during the period 1985 to 2013.	72
Figure 66. Scatterplot of surface total suspended solids at segment MPNOH during the period 1985 to 2013.	73
Figure 67. Scatterplot of secchi depth at segment MPNOH during the period 1985 to 2013.	74
Figure 68. Scatterplot of surface dissolved oxygen at segment MPNOH during the period 1985 to 2013.	75
Figure 69. Scatterplot of surface water temperature at segment MPNOH during the period 1985 to 2013.	76
Figure 70. Scatterplot of surface salinity at segment MPNOH during the period 1985 to 2013.	77
Figure 71. Scatterplot of surface DO saturation at segment MPNOH during the period 1985 to 2013.	78
Figure 72. Scatterplots of bottom total nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	79
Figure 73. Scatterplots of bottom dissolved inorganic nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	80
Figure 74. Scatterplots of bottom total phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	81
Figure 75. Scatterplots of bottom dissolved inorganic phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	82
Figure 76. Scatterplot of bottom total suspended solids at segment MPNOH during the period 1985 to 2013.	83
Figure 77. Scatterplot of bottom dissolved oxygen at segment MPNOH during the period 1985 to 2013.	84
Figure 78. Scatterplot of bottom water temperature at segment MPNOH during the period 1985 to 2013.	85
Figure 79. Scatterplot of bottom salinity at segment MPNOH during the period 1985 to 2013.	86
Figure 80. Scatterplot of bottom DO saturation at segment MPNOH during the period 1985 to 2013.	87
Figure 81. Scatterplots of surface total nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	88
Figure 82. Scatterplots of surface dissolved inorganic nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	89
Figure 83. Scatterplots of surface total phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	90

Figure 84. Scatterplots of surface dissolved inorganic phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	91
Figure 85. Scatterplot of surface chlorophyll a at segment YRKMH during the period 1985 to 2013.	92
Figure 86. Scatterplot of surface total suspended solids at segment YRKMH during the period 1985 to 2013.	93
Figure 87. Scatterplot of secchi depth at segment YRKMH during the period 1985 to 2013.	94
Figure 88. Scatterplot of surface dissolved oxygen at segment YRKMH during the period 1985 to 2013.	95
Figure 89. Scatterplot of surface water temperature at segment YRKMH during the period 1985 to 2013.	96
Figure 90. Scatterplot of surface salinity at segment YRKMH during the period 1985 to 2013.	97
Figure 91. Scatterplot of surface DO saturation at segment YRKMH during the period 1985 to 2013.	98
Figure 92. Scatterplots of bottom total nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	99
Figure 93. Scatterplots of bottom dissolved inorganic nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	100
Figure 94. Scatterplots of bottom total phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	101
Figure 95. Scatterplots of bottom dissolved inorganic phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	102
Figure 96. Scatterplot of bottom total suspended solids at segment YRKMH during the period 1985 to 2013.	103
Figure 97. Scatterplot of bottom dissolved oxygen at segment YRKMH during the period 1985 to 2013.	104
Figure 98. Scatterplot of bottom water temperature at segment YRKMH during the period 1985 to 2013.	105
Figure 99. Scatterplot of bottom salinity at segment YRKMH during the period 1985 to 2013.	106
Figure 100. Scatterplot of bottom DO saturation at segment YRKMH during the period 1985 to 2013.	107
Figure 101. Scatterplots of surface total nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	108
Figure 102. Scatterplots of surface dissolved inorganic nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	109
Figure 103. Scatterplots of surface total phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	110
Figure 104. Scatterplots of surface dissolved inorganic phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	111

Figure 105. Scatterplot of surface chlorophyll a at segment YRKPH during the period 1985 to 2013.	112
Figure 106. Scatterplot of surface total suspended solids at segment YRKPH during the period 1985 to 2013.	113
Figure 107. Scatterplot of secchi depth at segment YRKPH during the period 1985 to 2013.	114
Figure 108. Scatterplot of surface dissolved oxygen at segment YRKPH during the period 1985 to 2013.	115
Figure 109. Scatterplot of surface water temperature at segment YRKPH during the period 1985 to 2013.	116
Figure 110. Scatterplot of surface salinity at segment YRKPH during the period 1985 to 2013.	117
Figure 111. Scatterplot of surface DO saturation at segment YRKPH during the period 1985 to 2013.	118
Figure 112. Scatterplots of bottom total nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	119
Figure 113. Scatterplots of bottom dissolved inorganic nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	120
Figure 114. Scatterplots of bottom total phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	121
Figure 115. Scatterplots of bottom dissolved inorganic phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	122
Figure 116. Scatterplot of bottom total suspended solids at segment YRKPH during the period 1985 to 2013.	123
Figure 117. Scatterplot of bottom dissolved oxygen at segment YRKPH during the period 1985 to 2013.	124
Figure 118. Scatterplot of bottom water temperature at segment YRKPH during the period 1985 to 2013.	125
Figure 119. Scatterplot of bottom salinity at segment YRKPH during the period 1985 to 2013.	126
Figure 120. Scatterplot of bottom DO saturation at segment YRKPH during the period 1985 to 2013.	127
Figure 121. Scatterplots of surface total nitrogen at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	128
Figure 122. Scatterplots of surface dissolved inorganic nitrogen at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	129
Figure 123. Scatterplots of surface total phosphorus at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	130
Figure 124. Scatterplots of surface dissolved inorganic phosphorus at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	131
Figure 125. Scatterplot of surface chlorophyll a at segment MOBPH during the period of 1985 to 2013.	132

Figure 126. Scatterplot of surface total suspended solids at segment MOBPH during the period of 1985 to 2013.....	133
Figure 127. Scatterplot of secchi depth at segment MOBPH during the period of 1985 to 2013.	134
Figure 128. Scatterplot of surface dissolved oxygen at segment MOBPH during the period of 1985 to 2013.	135
Figure 129. Scatterplot of surface water temperature at segment MOBPH during the period of 1985 to 2013.	136
Figure 130. Scatterplot of surface salinity at segment MOBPH during the period of 1985 to 2013.	137
Figure 131. Scatterplot of surface DO saturation at segment MOBPH during the period 1985 to 2013.	138
Figure 132. Scatterplots of bottom total nitrogen at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.....	139
Figure 133. Scatterplots of bottom dissolved inorganic nitrogen at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	140
Figure 134. Scatterplots of bottom total phosphorus at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	141
Figure 135. Scatterplots of bottom dissolved inorganic phosphorus at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.	142
Figure 136. Scatterplot of bottom total suspended solids at segment MOBPH during the period of 1985 to 2013.....	143
Figure 137. Scatterplot of bottom dissolved oxygen at segment MOBPH during the period of 1985 to 2013.	144
Figure 138. Scatterplot of bottom water temperature at segment MOBPH during the period of 1985 to 2013.	145
Figure 139. Scatterplot of bottom salinity at segment MOBPH during the period of 1985 to 2013.	146
Figure 140. Scatterplot of bottom DO saturation at segment MOBPH during the period 1985 to 2013.	147

a) Pre-method change period



b) Post-method change period

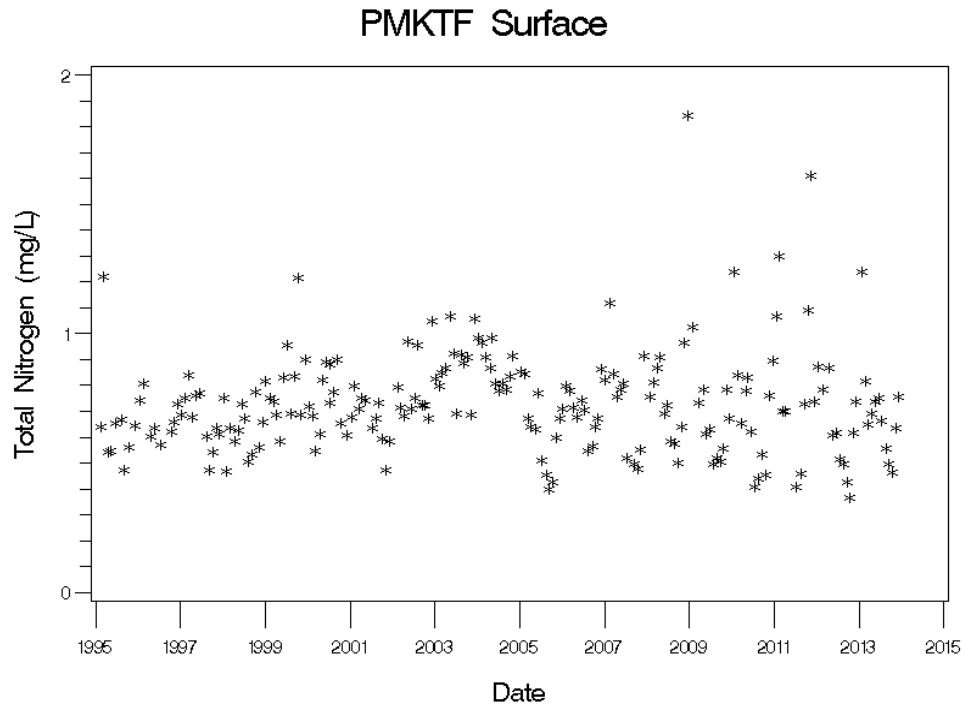
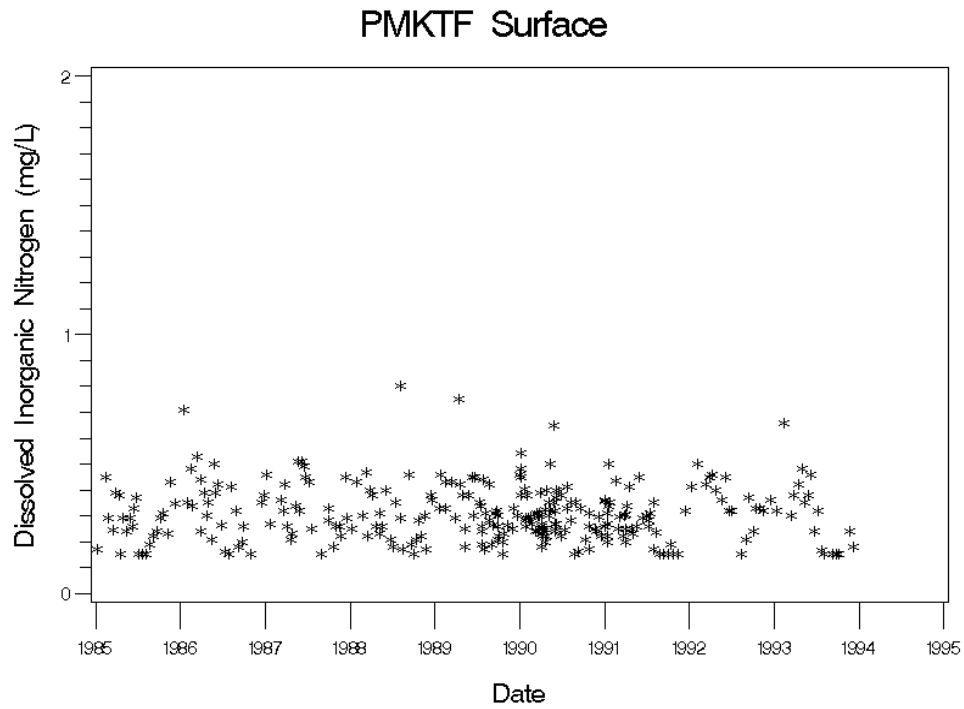


Figure 1. Scatterplots of surface total nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

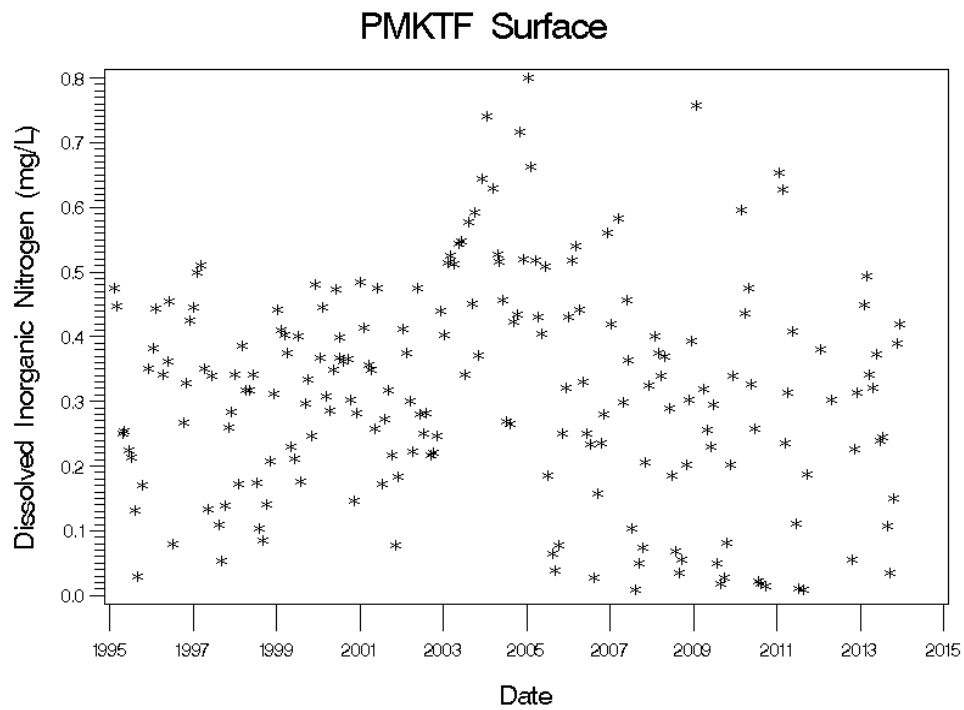
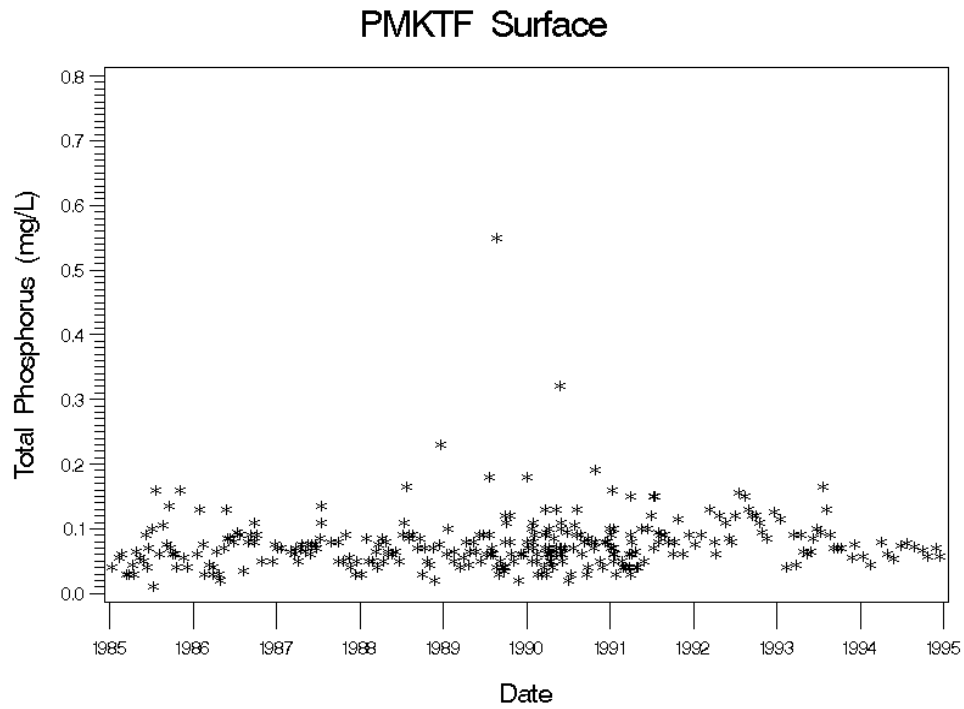


Figure 2. Scatterplots of surface dissolved inorganic nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

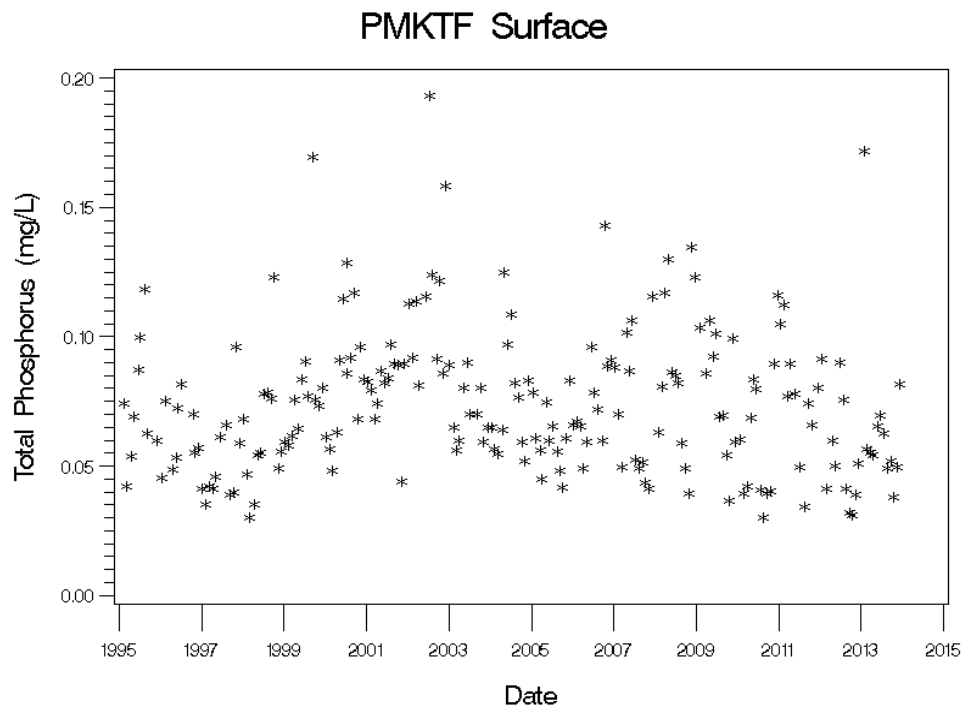
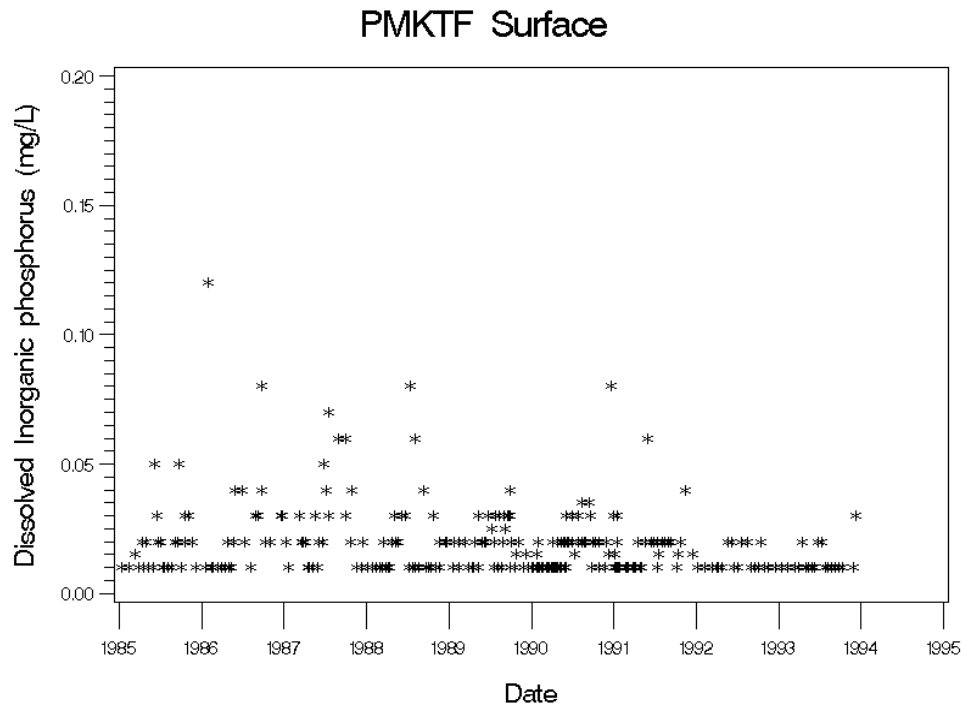


Figure 3. Scatterplots of surface total phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

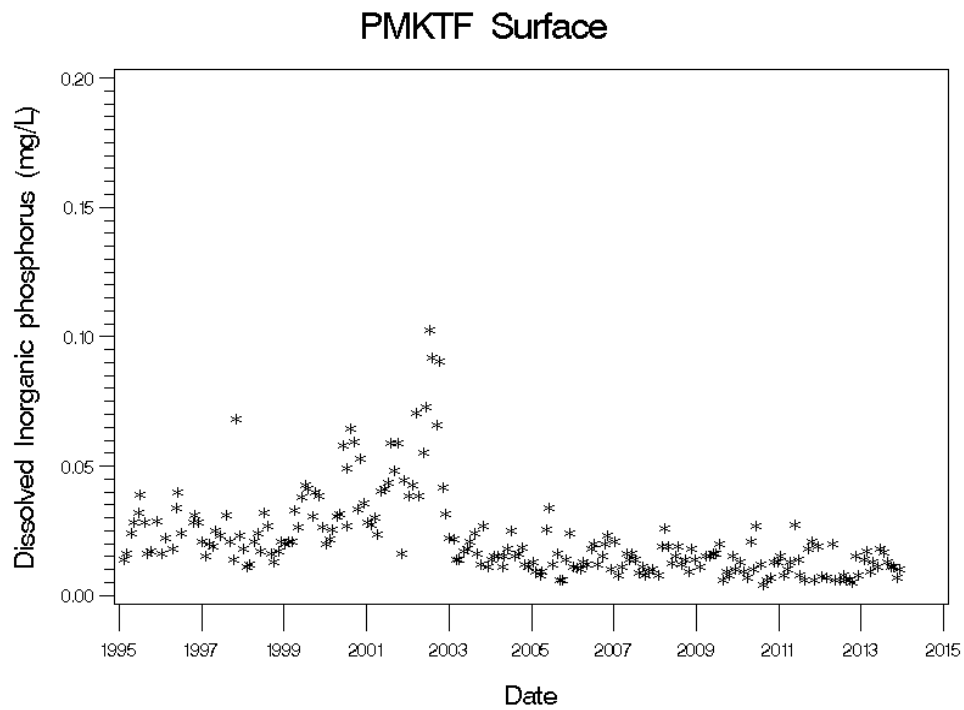


Figure 4. Scatterplots of surface dissolved inorganic phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

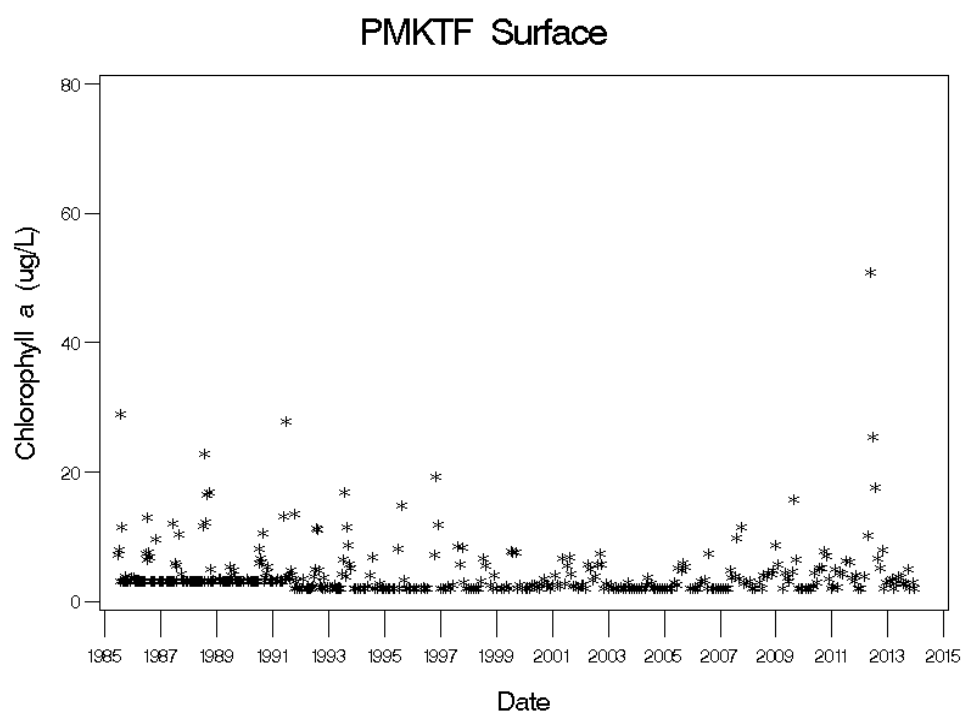


Figure 5. Scatterplot of surface chlorophyll a at segment PMKTF during the period 1985 to 2013.

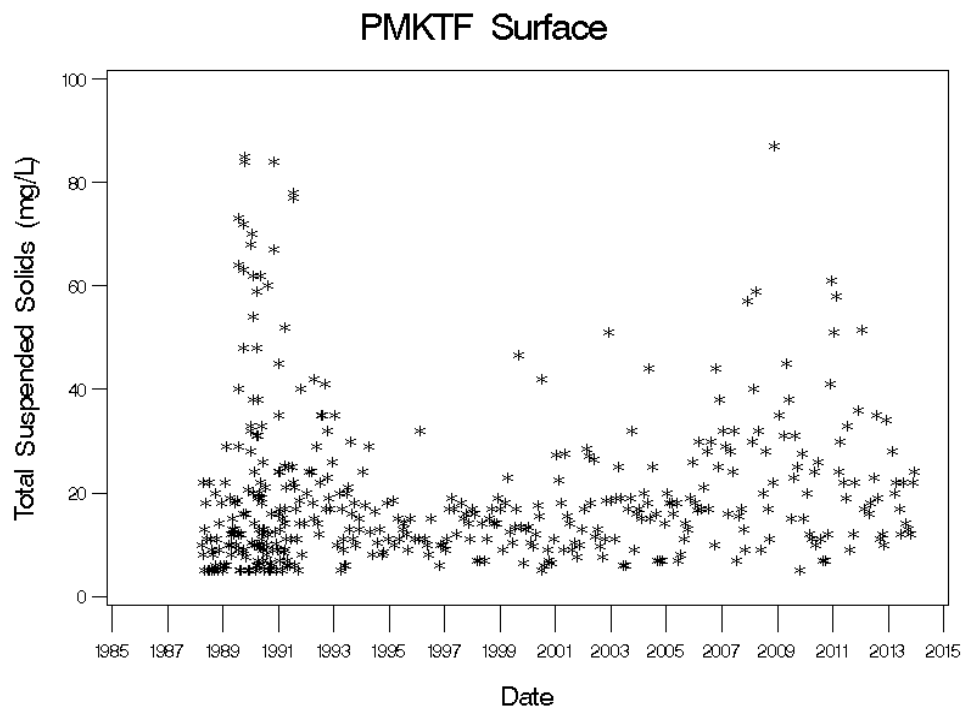


Figure 6. Scatterplot of surface total suspended solids at segment PMKTF during the period 1985 to 2013.

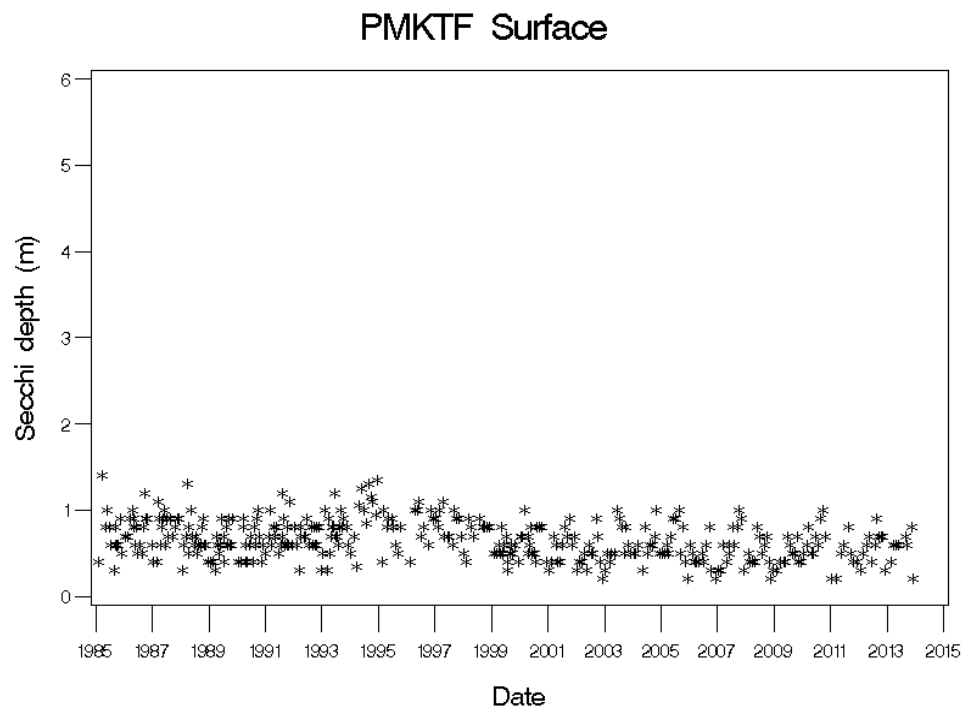


Figure 7. Scatterplot of secchi depth at segment PMKTF during the period 1985 to 2013.

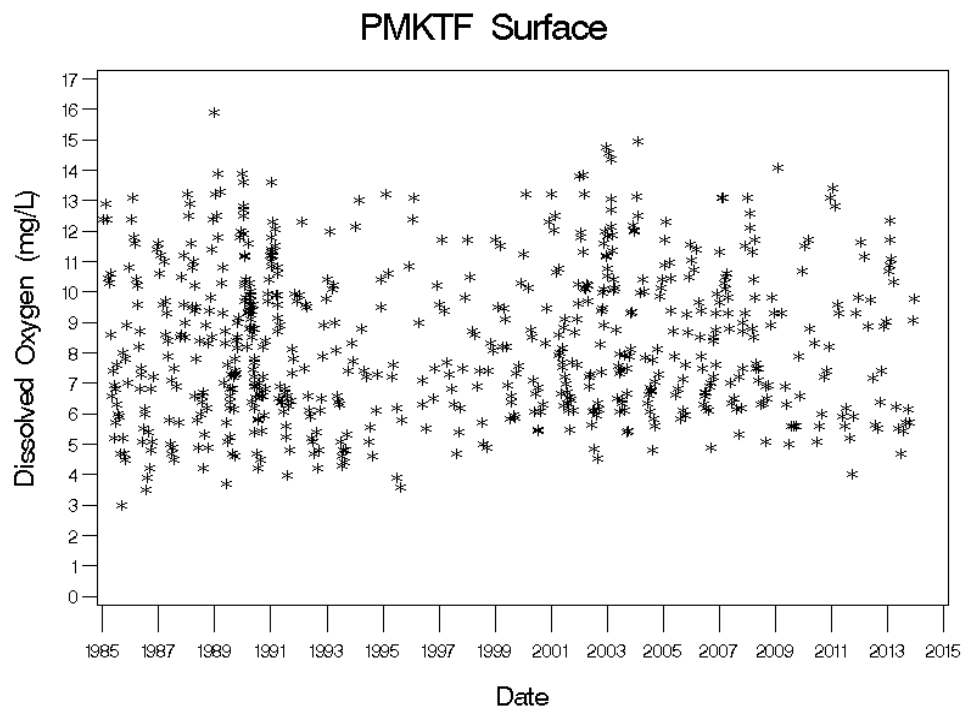


Figure 8. Scatterplot of surface dissolved oxygen at segment PMKTF during the period 1985 to 2013.

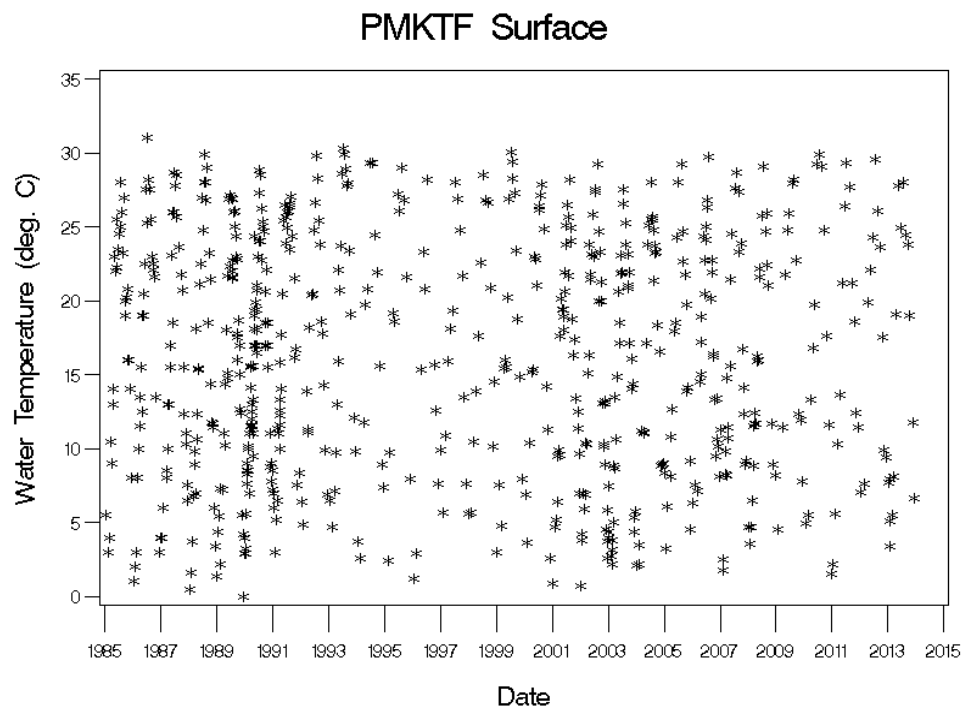


Figure 9. Scatterplot of surface water temperature at segment PMKTF during the period 1985 to 2013.

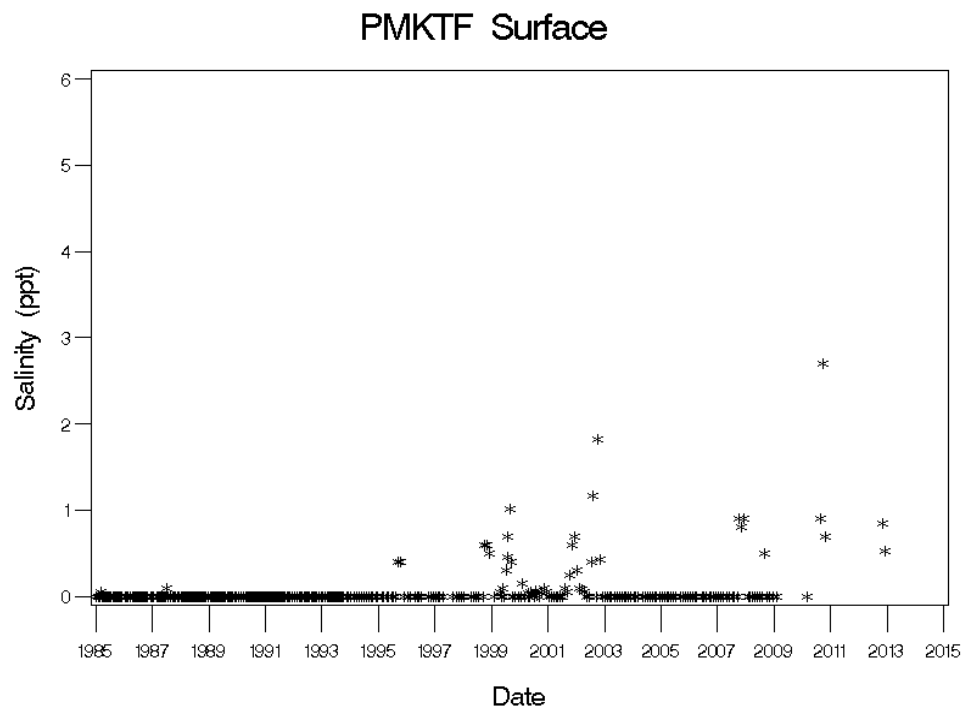


Figure 10. Scatterplot of surface salinity at segment PMKTF during the period 1985 to 2013.

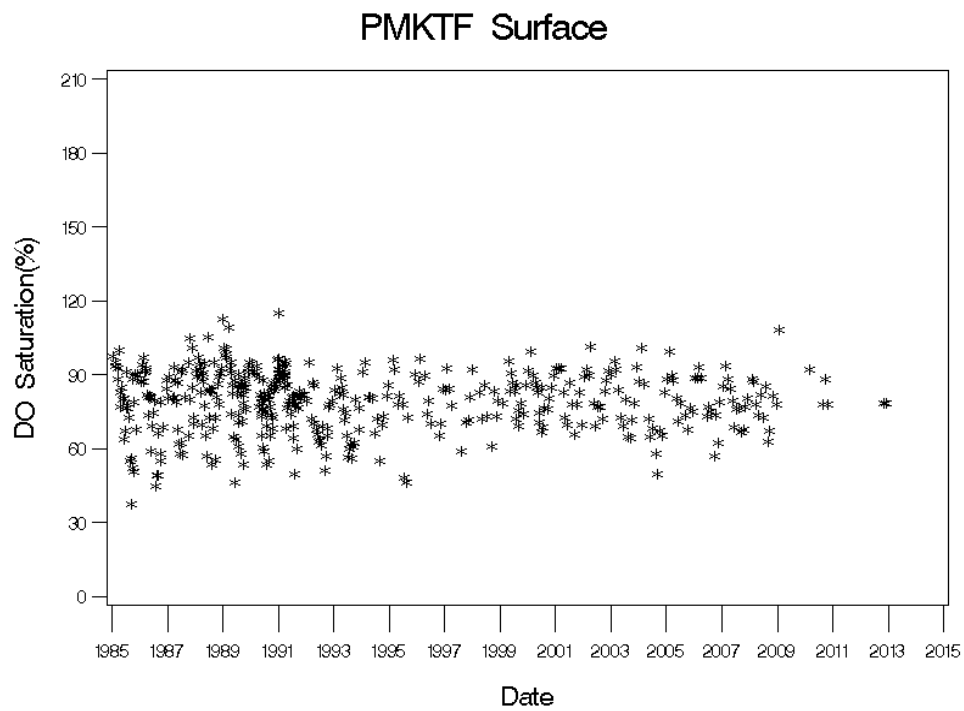
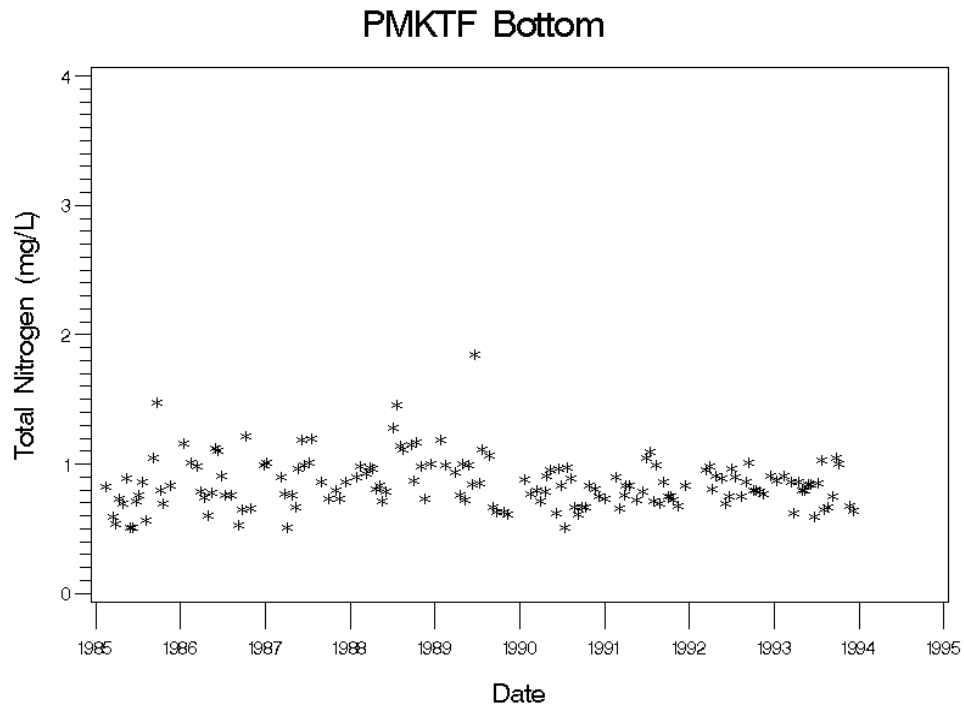


Figure 11. Scatterplot of surface DO saturation at segment PMKTF during the period 1985 to 2013.

a) Pre-method change period



b) Post-method change period

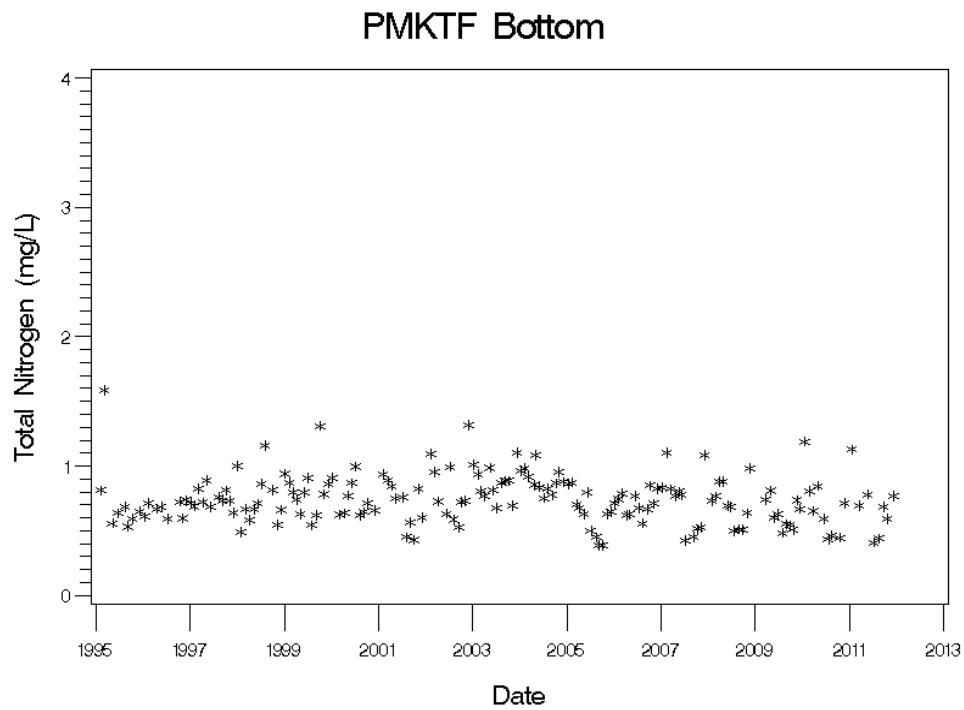
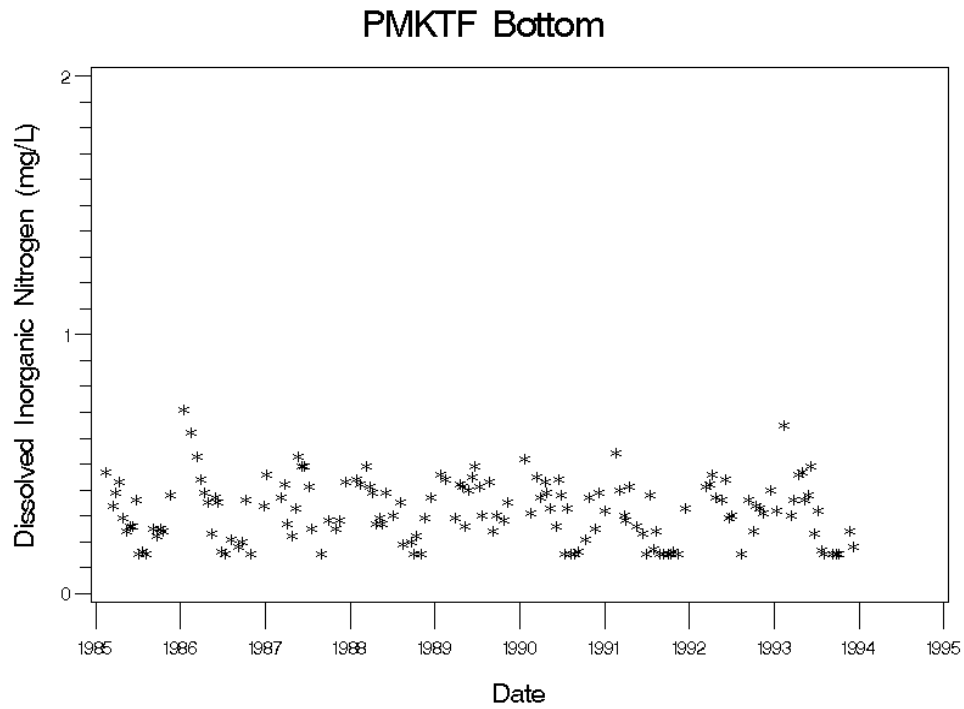


Figure 12. Scatterplots of bottom total nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

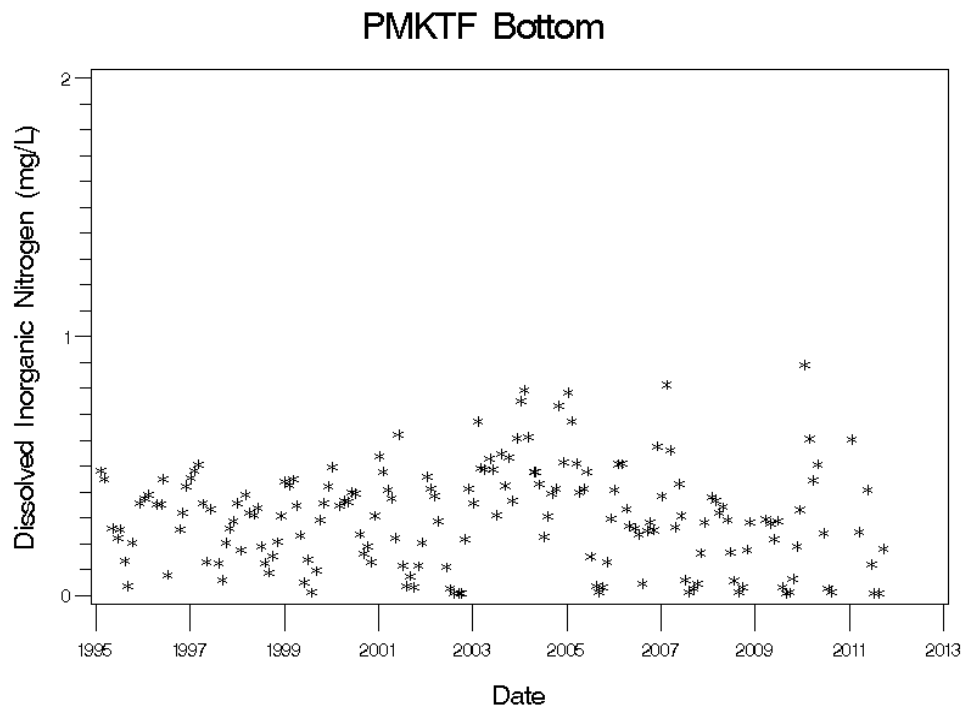
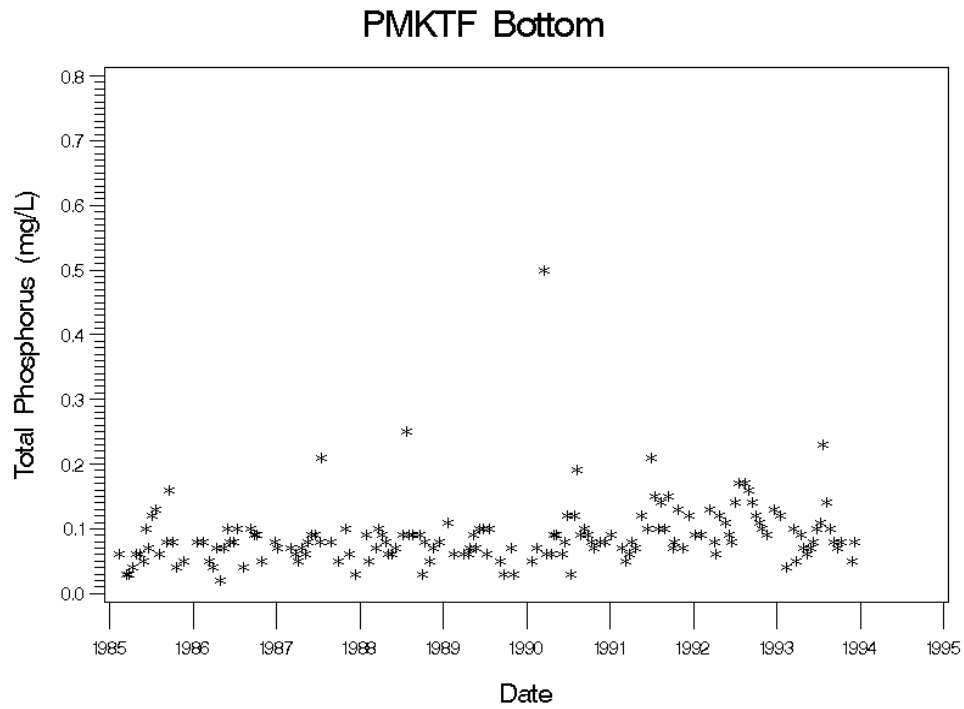


Figure 13. Scatterplots of bottom dissolved inorganic nitrogen at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

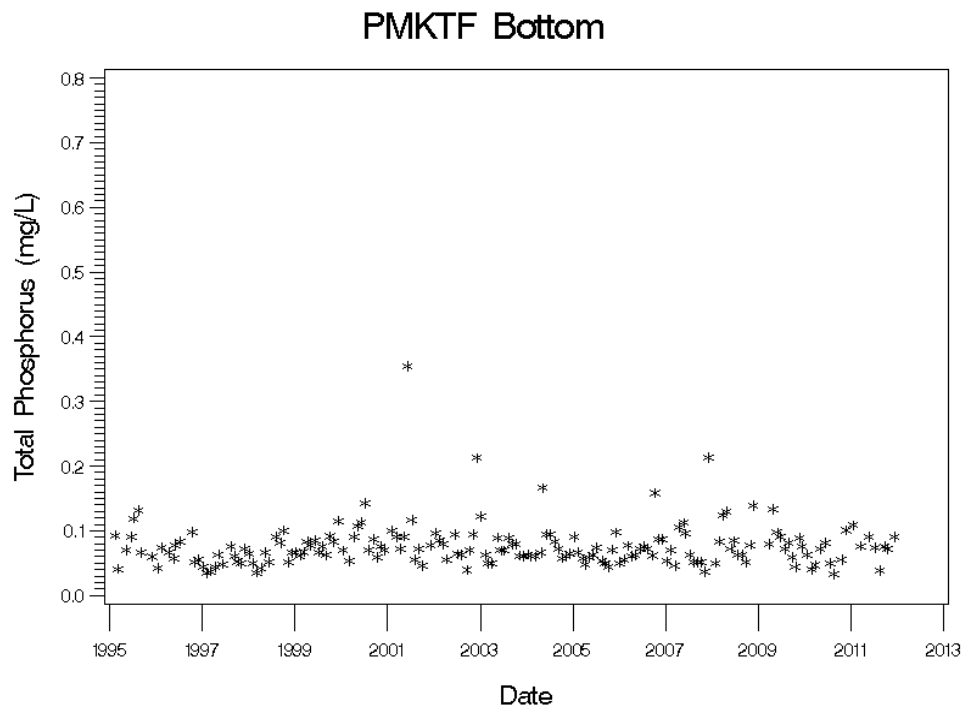
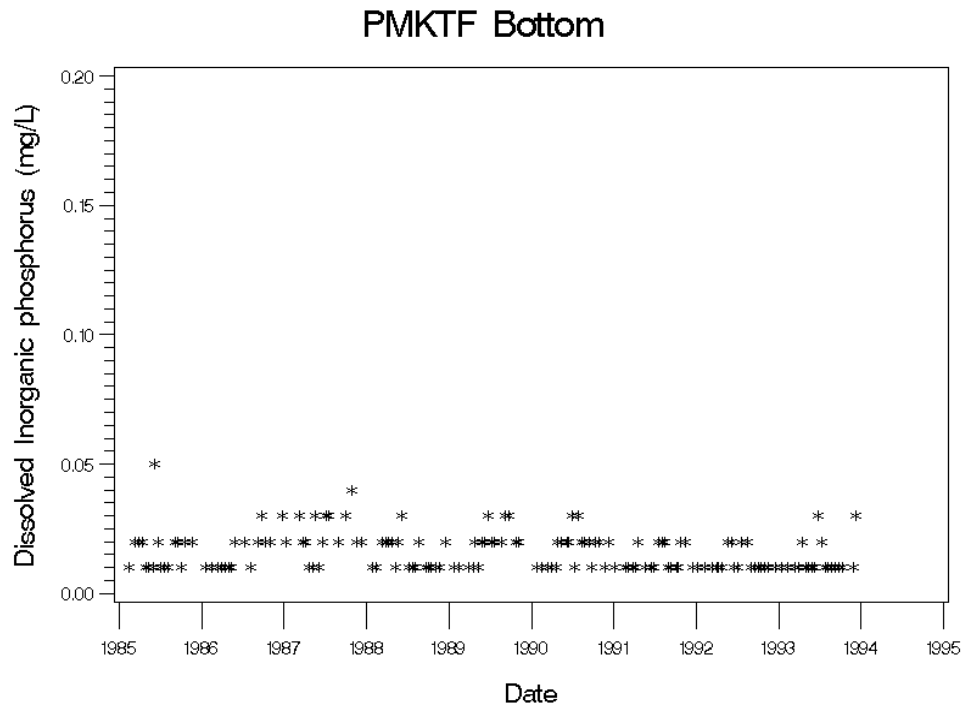


Figure 14. Scatterplots of bottom total phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

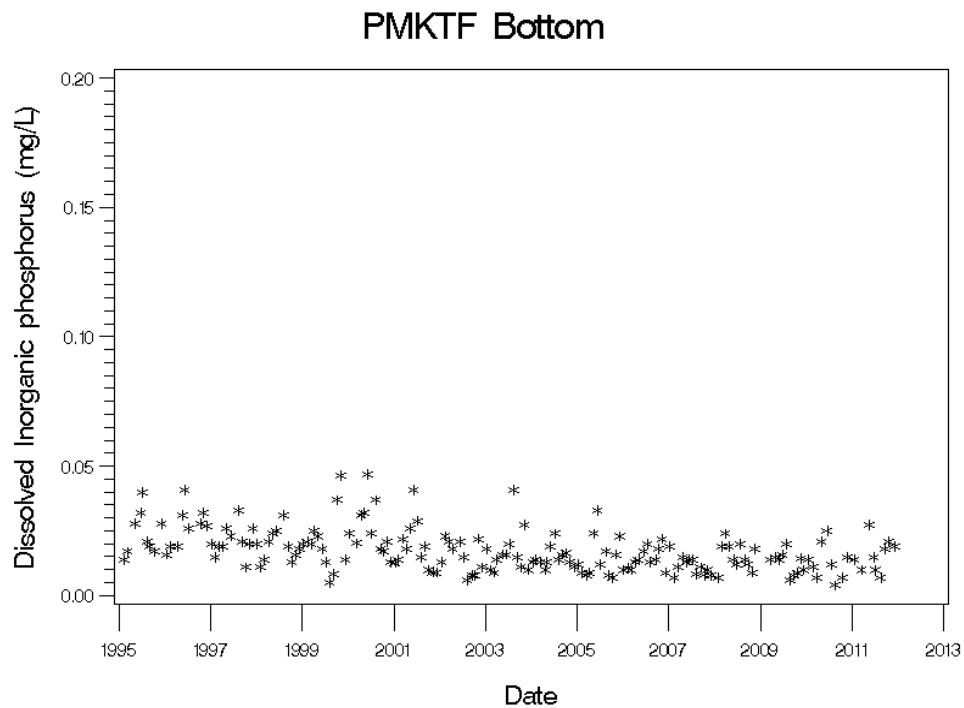


Figure 15. Scatterplots of bottom dissolved inorganic phosphorus at segment PMKTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

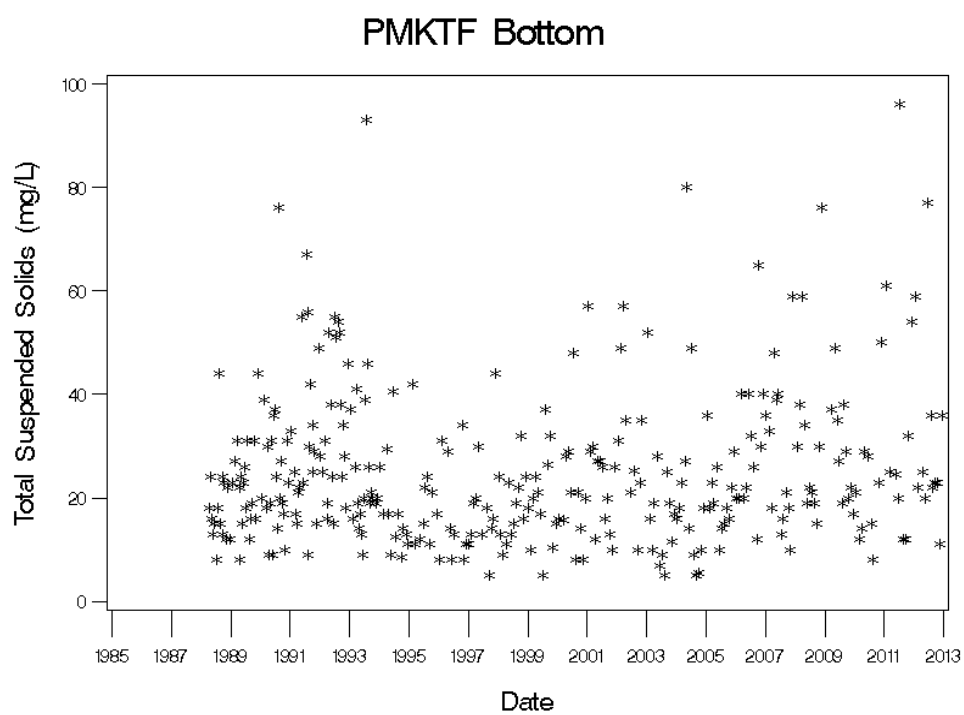


Figure 16. Scatterplot of bottom total suspended solids at segment PMKTF during the period 1985 to 2013.

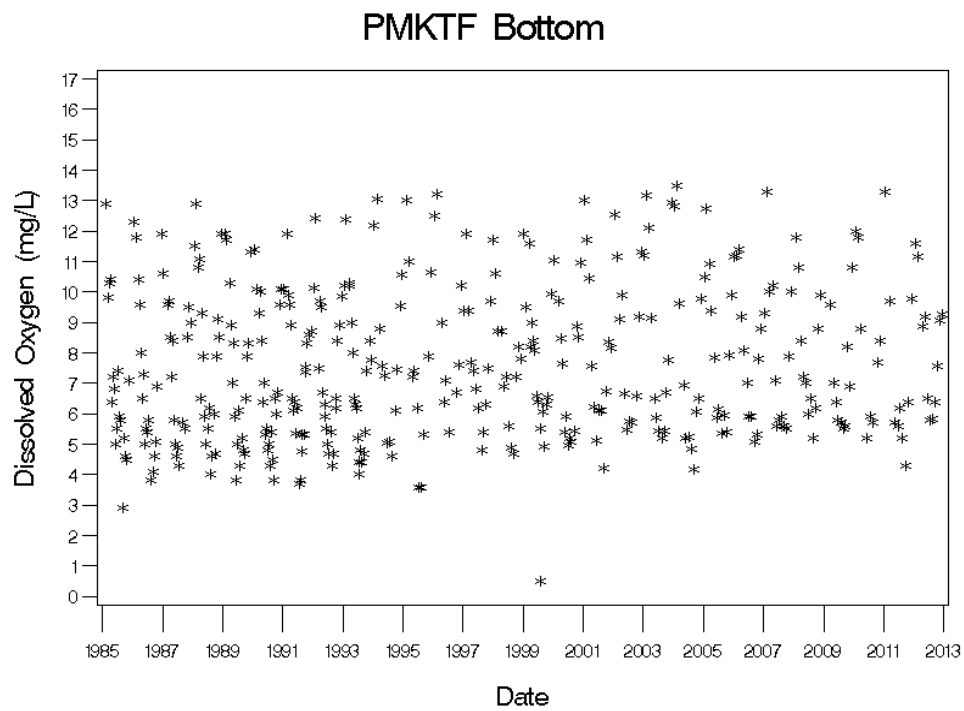


Figure 17. Scatterplot of bottom dissolved oxygen at segment PMKTF during the period 1985 to 2013.

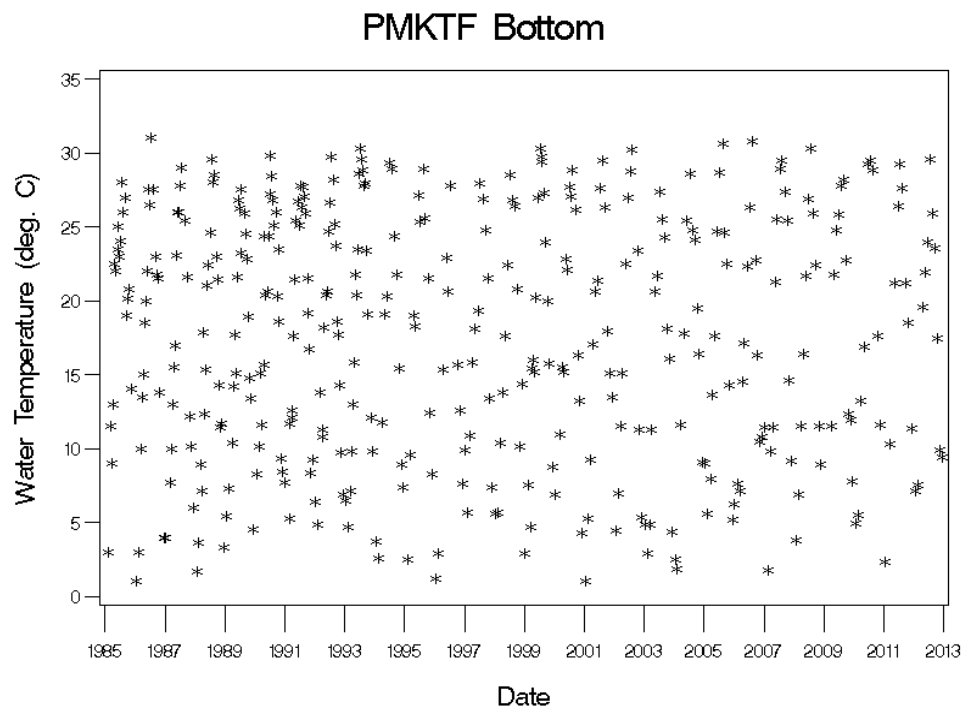


Figure 18. Scatterplot of bottom water temperature at segment PMKTF during the period 1985 to 2013.

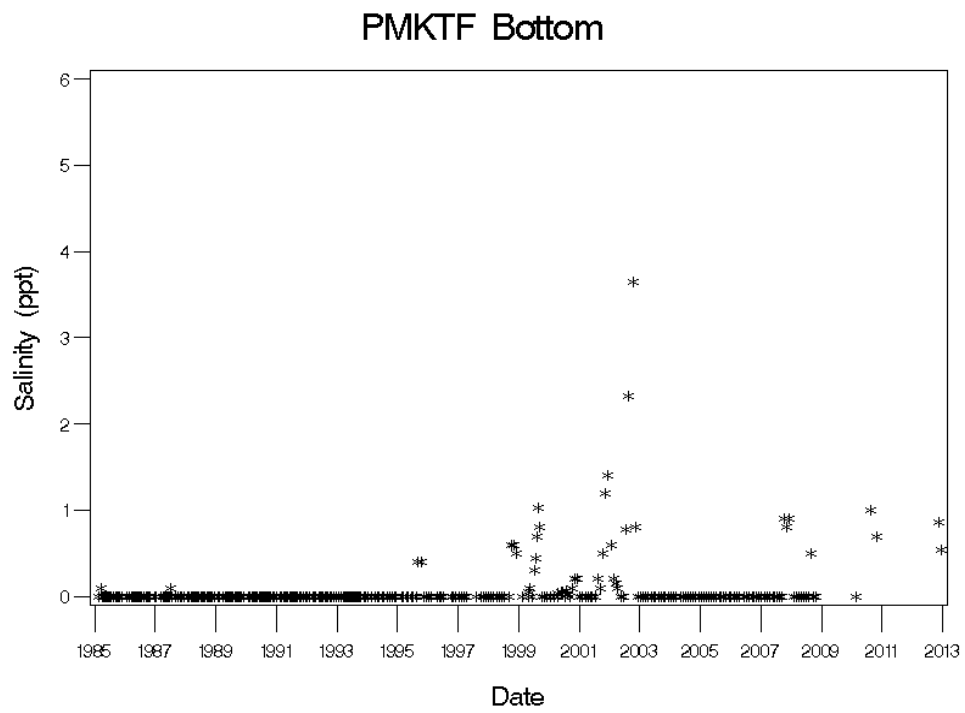


Figure 19. Scatterplot of bottom salinity at segment PMKTF during the period 1985 to 2013.

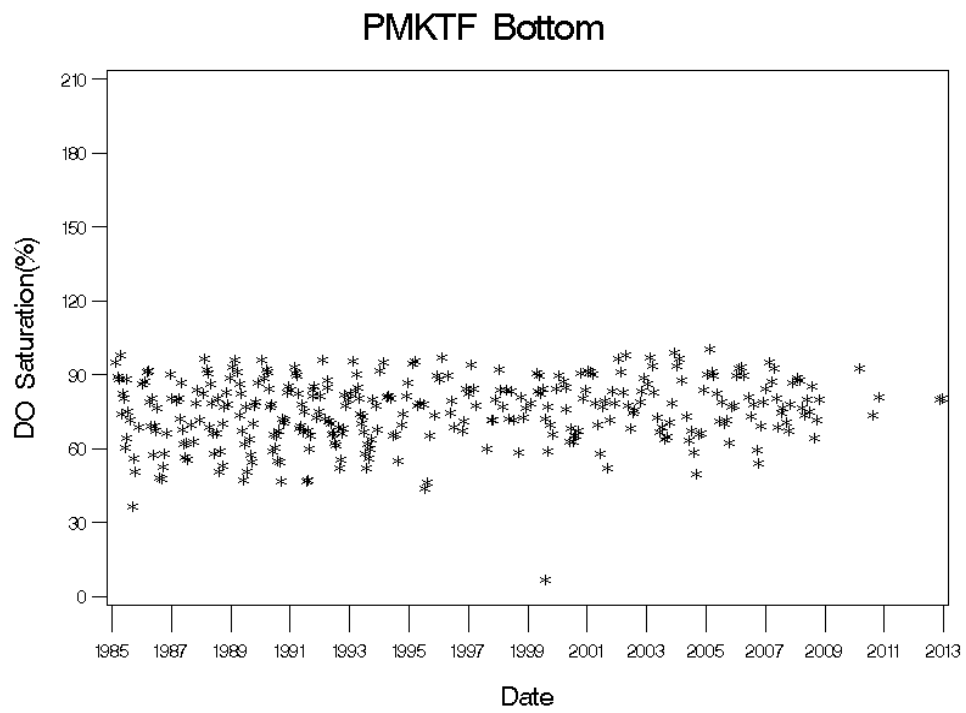
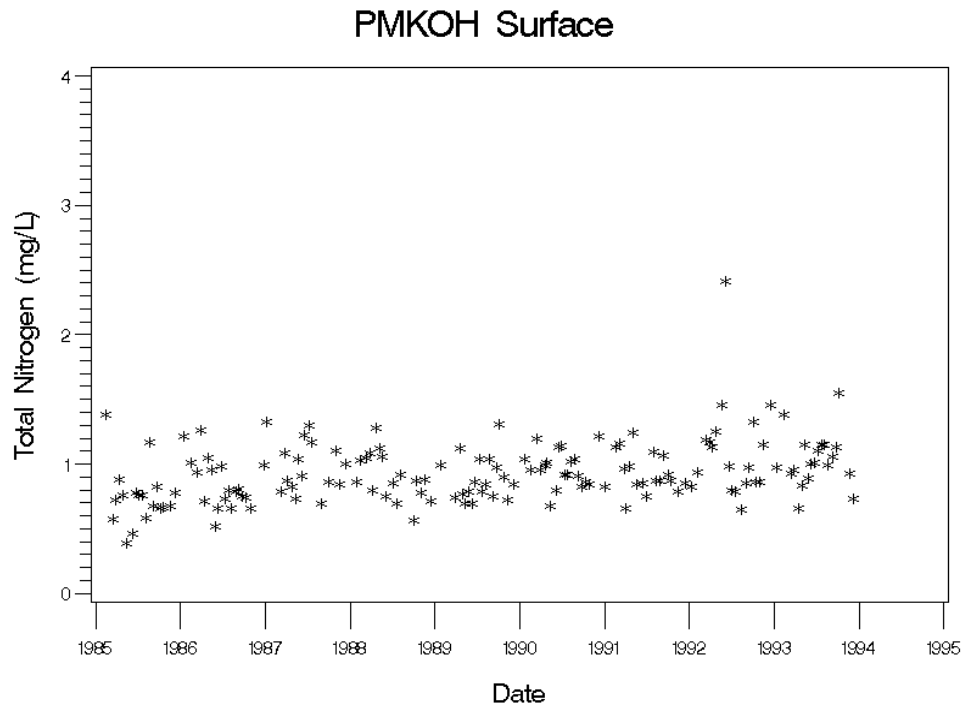


Figure 20. Scatterplot of bottom DO saturation at segment PMKTF during the period 1985 to 2013.

a) Pre-method change period



b) Post-method change period

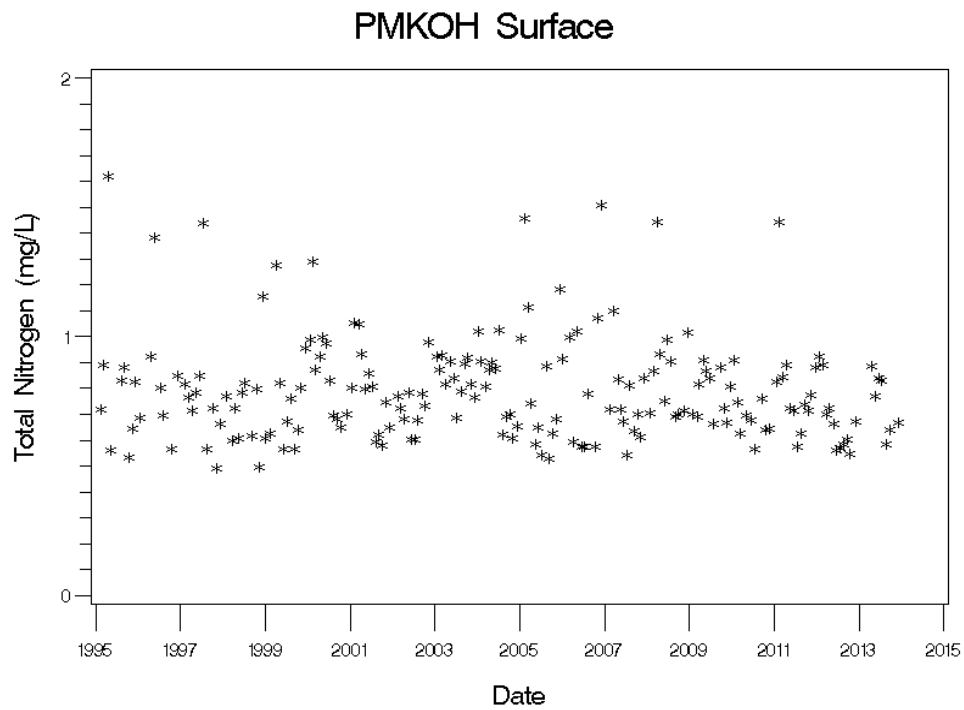
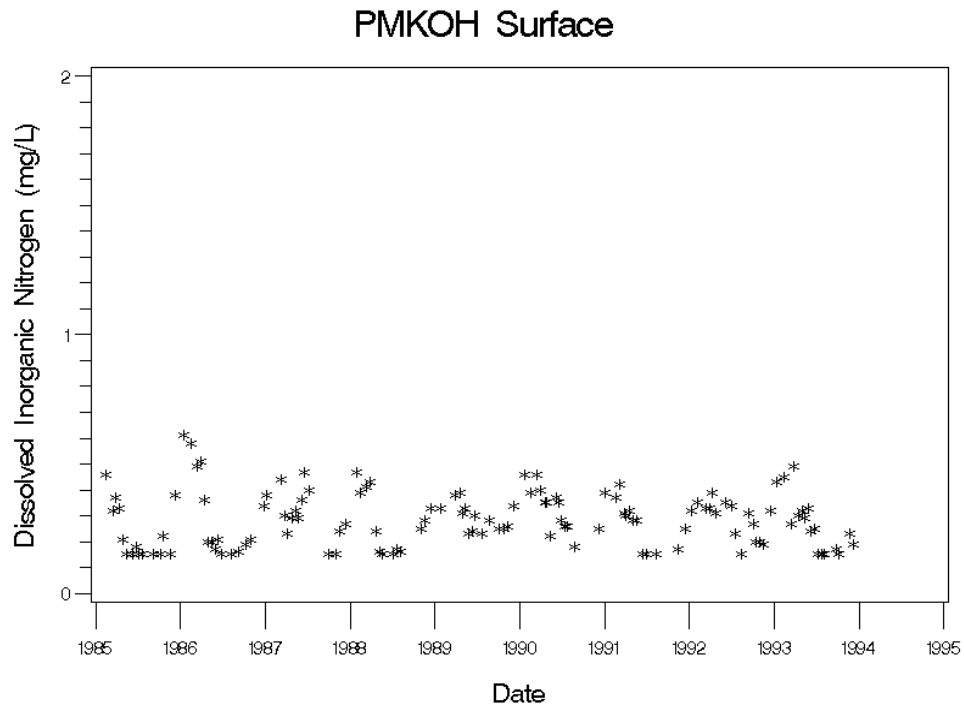


Figure 21. Scatterplots of surface total nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

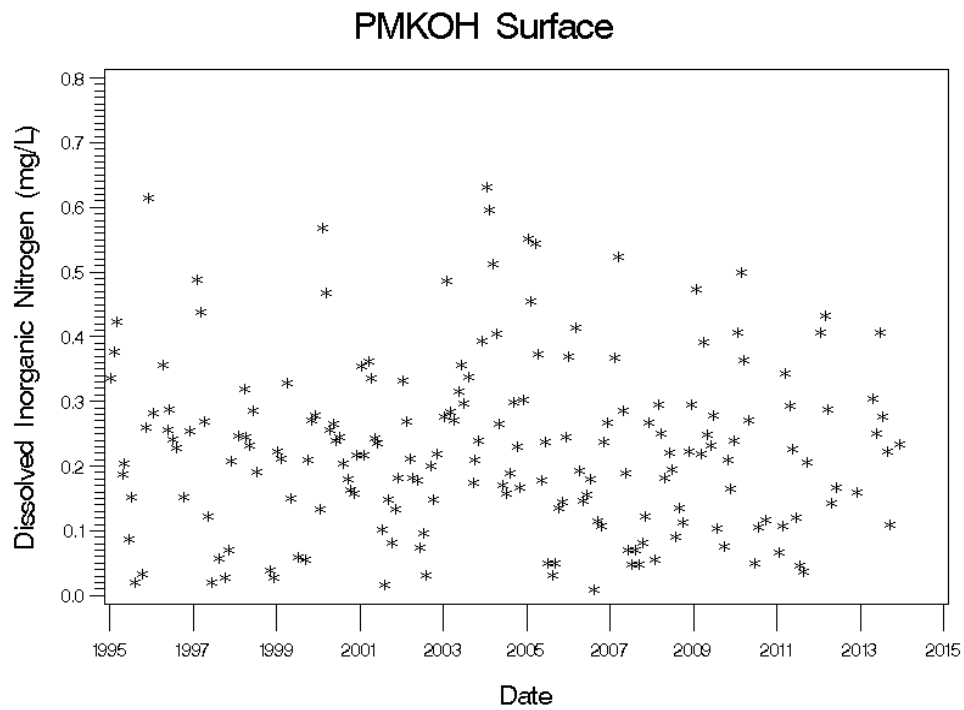
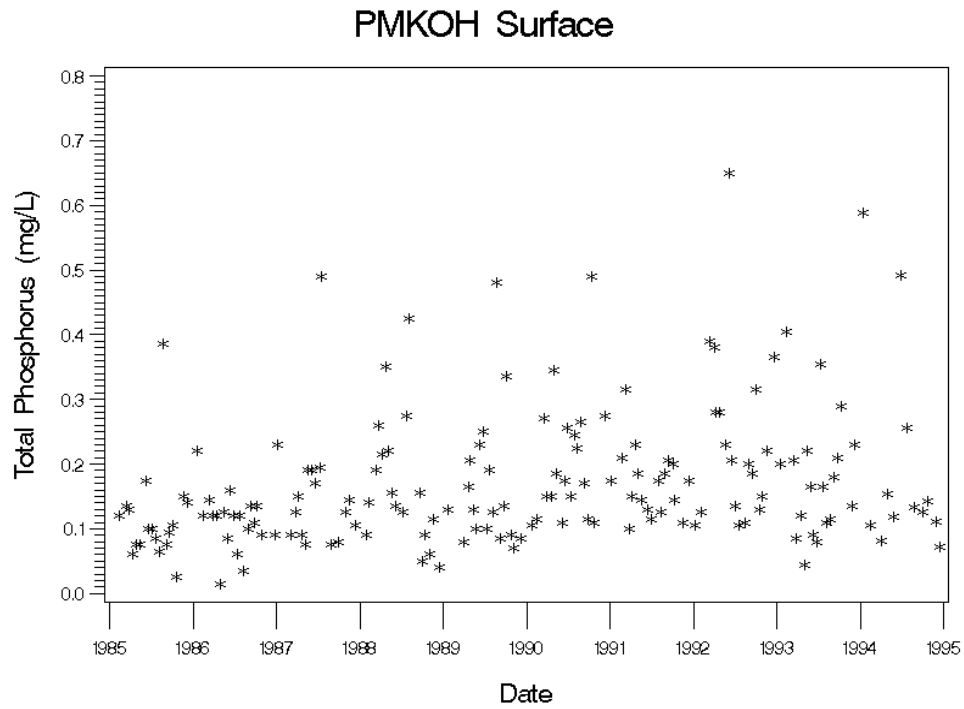


Figure 22. Scatterplots of surface dissolved inorganic nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

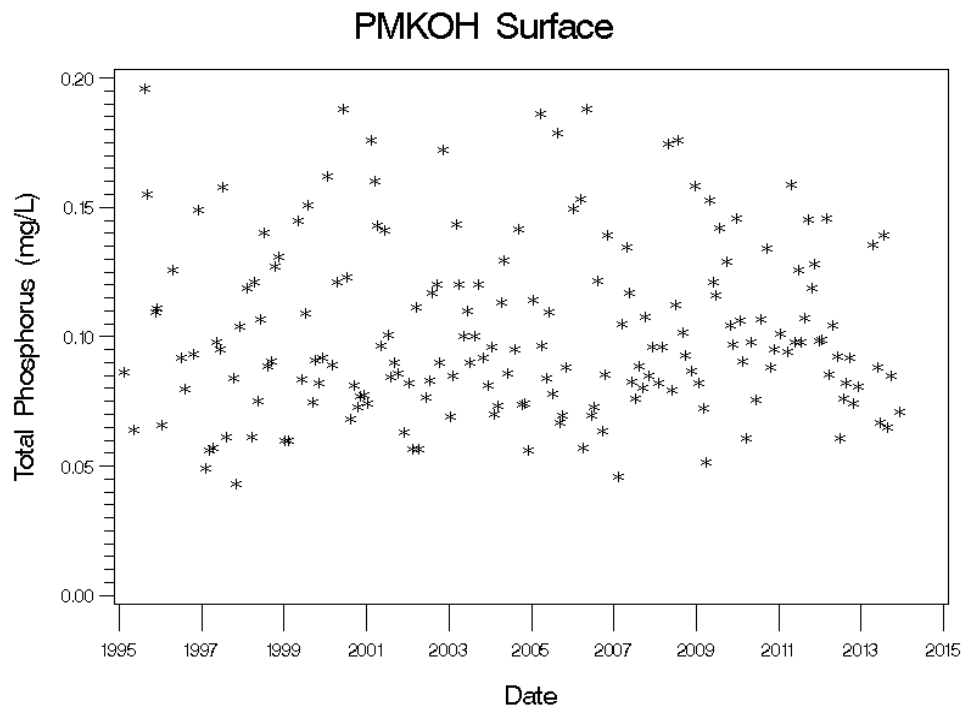
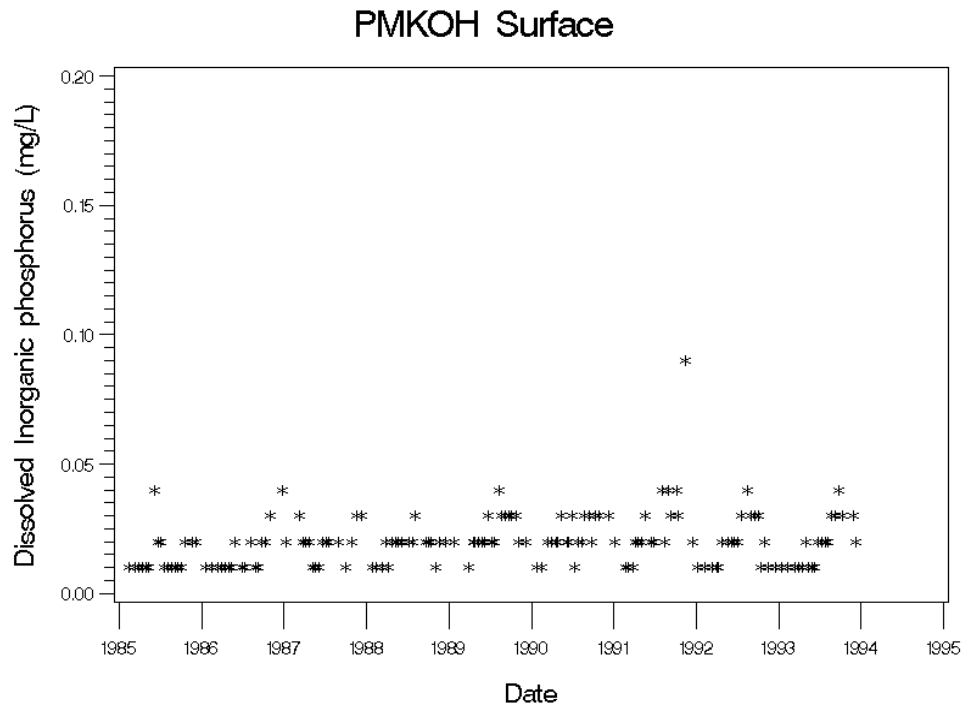


Figure 23. Scatterplots of surface total phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

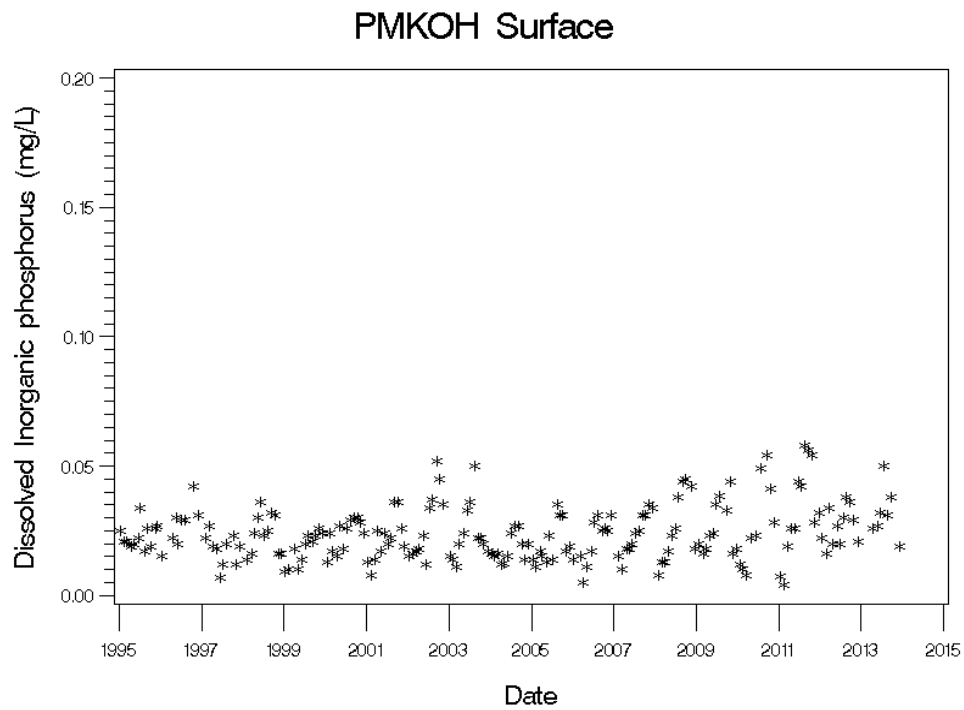


Figure 24. Scatterplots of surface dissolved inorganic phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

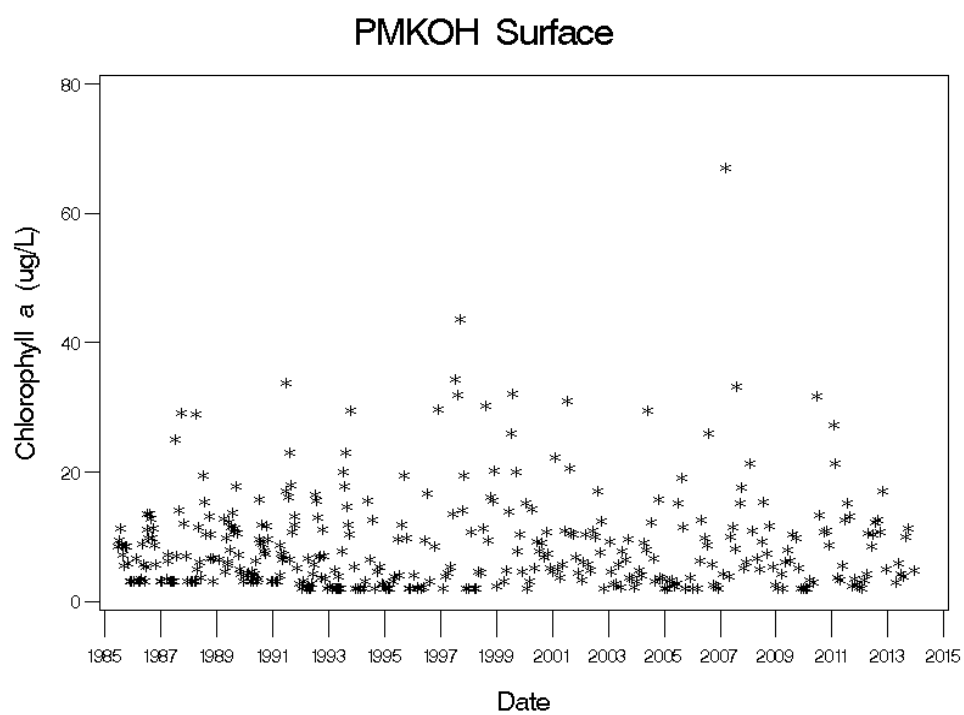


Figure 25. Scatterplot of surface chlorophyll a at segment PMKOH during the period 1985 to 2013.

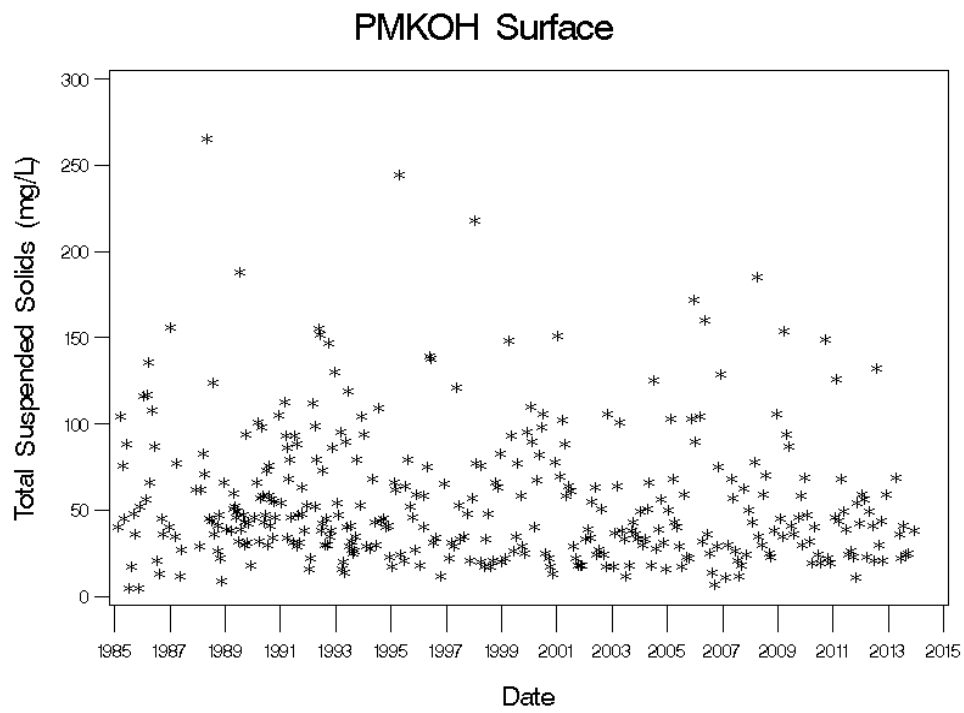


Figure 26. Scatterplot of surface total suspended solids at segment PMKOH during the period 1985 to 2013.

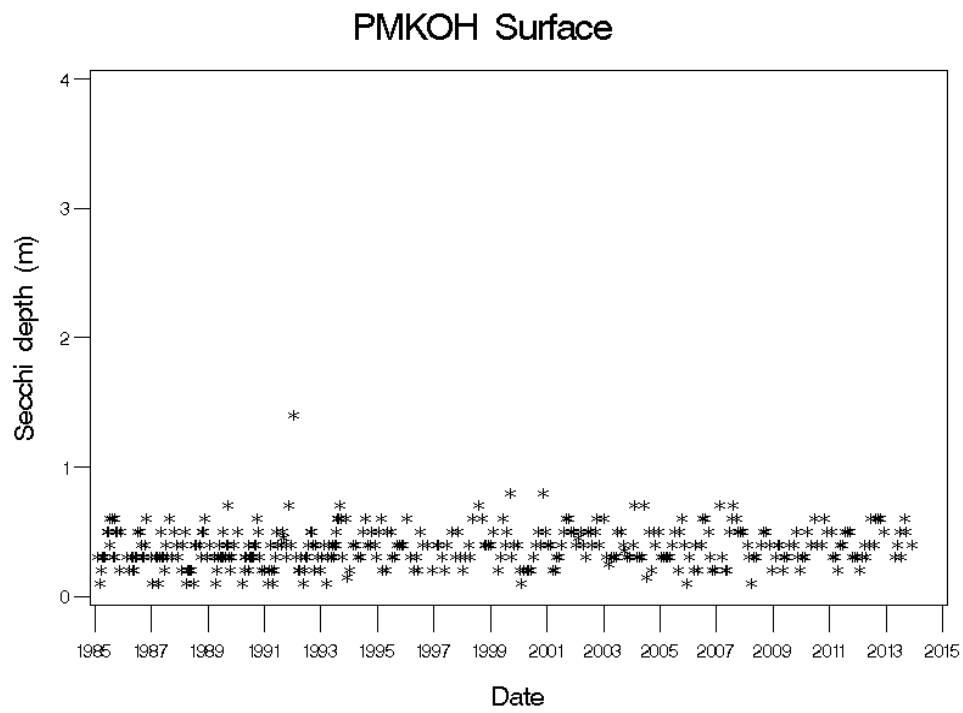


Figure 27. Scatterplot of secchi depth at segment PMKOH during the period 1985 to 2013.

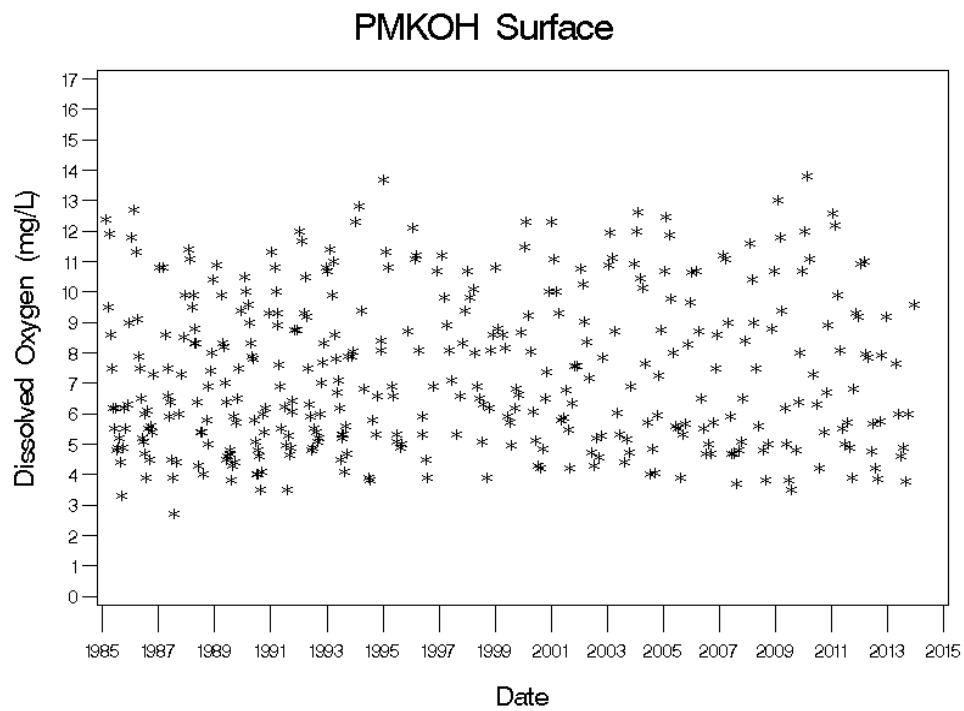


Figure 28. Scatterplot of surface dissolved oxygen at segment PMKOH during the period 1985 to 2013.

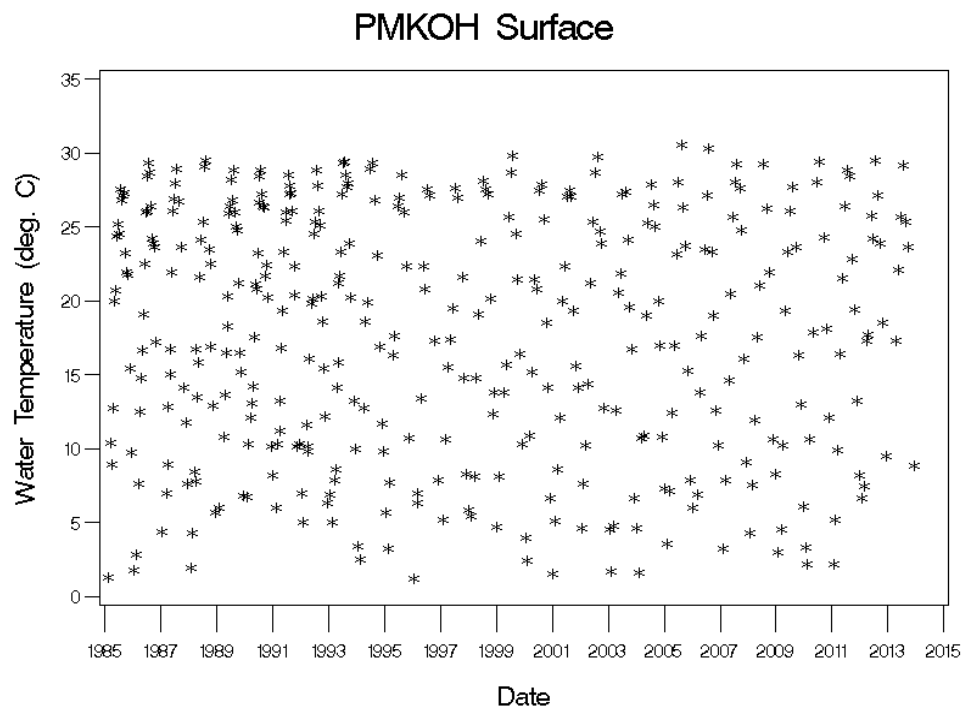


Figure 29. Scatterplot of surface water temperature at segment PMKOH during the period 1985 to 2013.

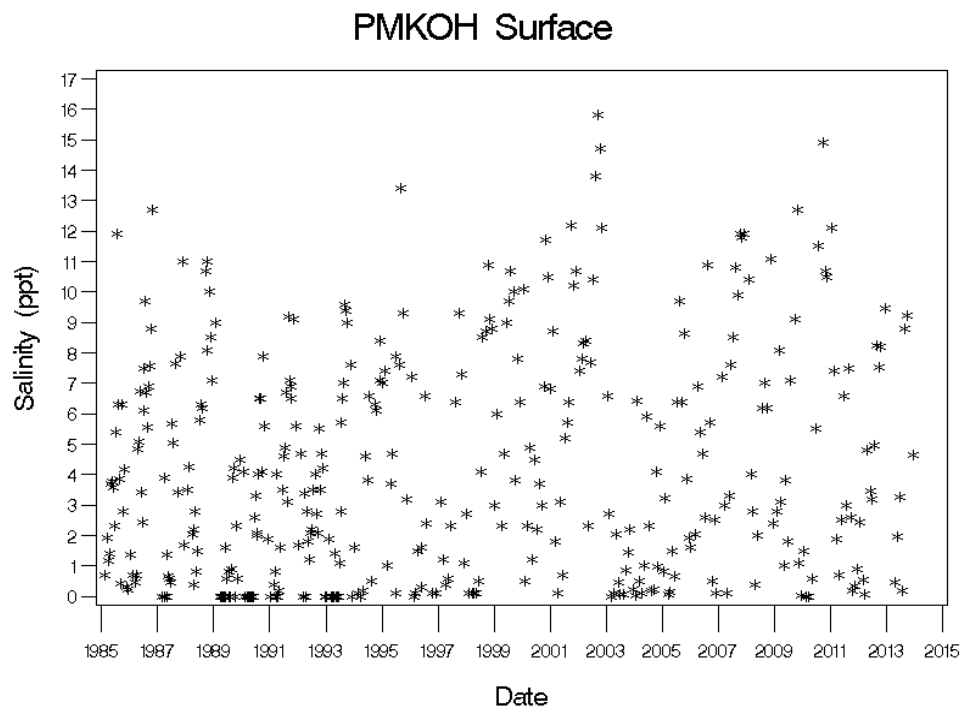


Figure 30. Scatterplot of surface salinity at segment PMKOH during the period 1985 to 2013.

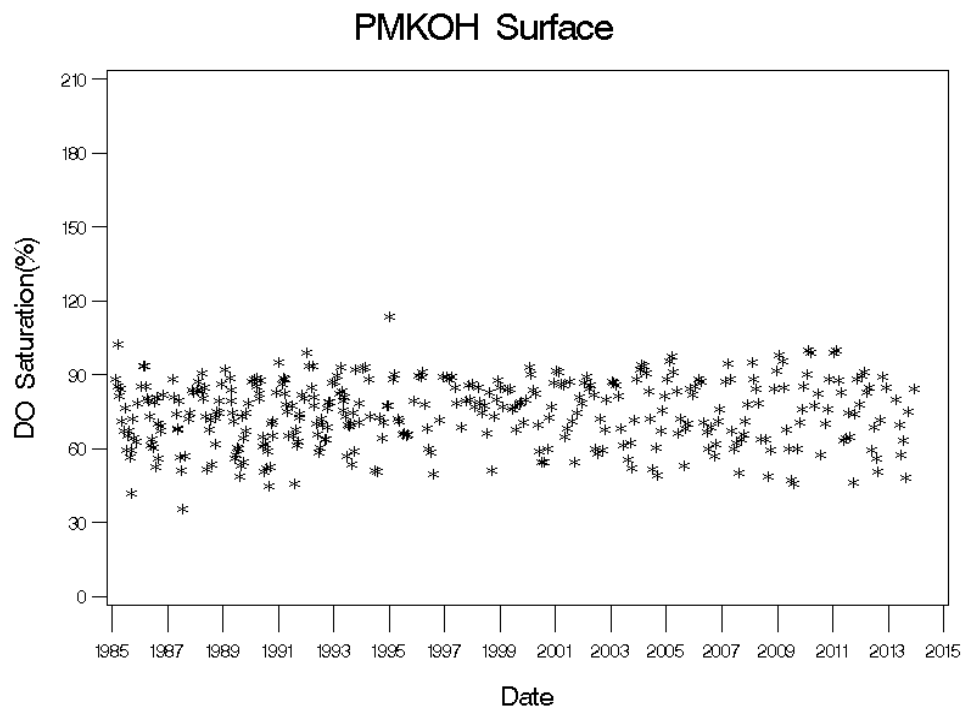
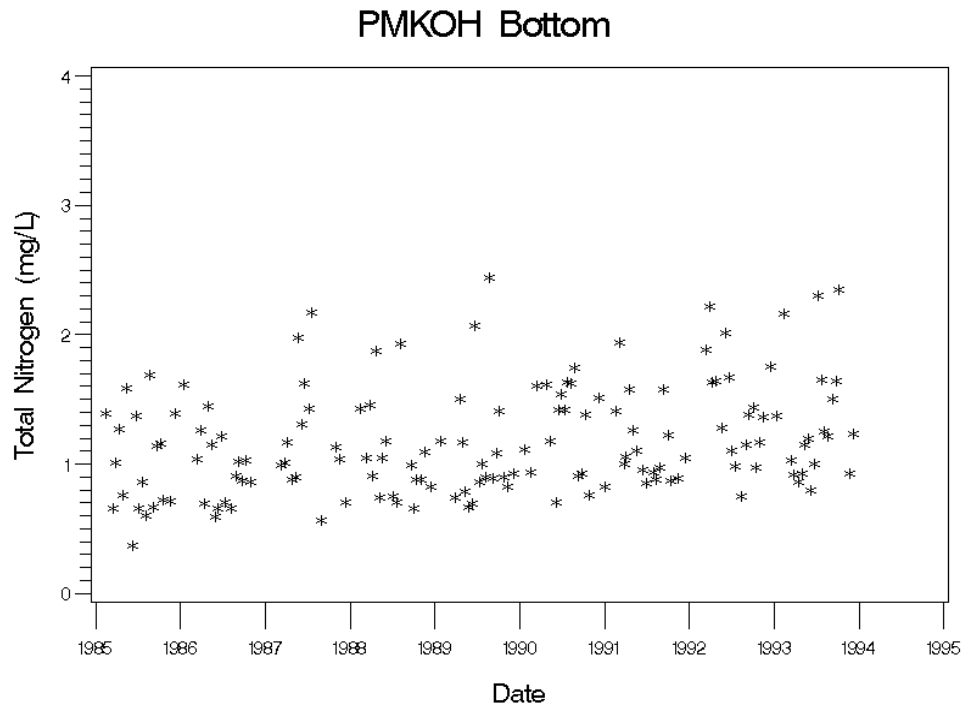


Figure 31. Scatterplot of surface DO saturation at segment PMKOH during the period 1985 to 2013.

a) Pre-method change period



b) Post-method change period

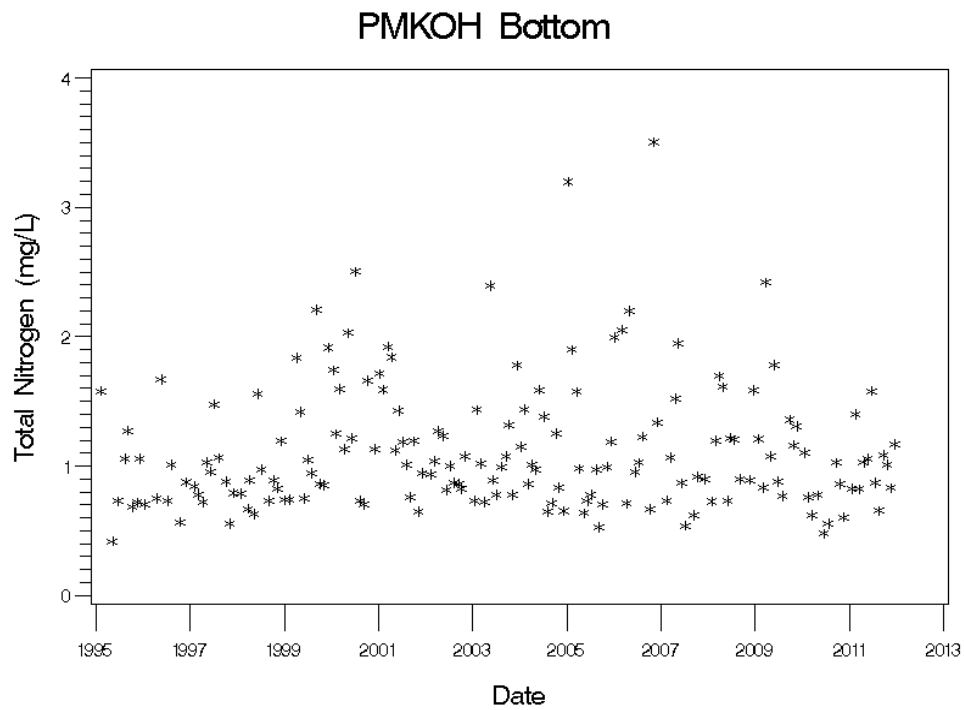
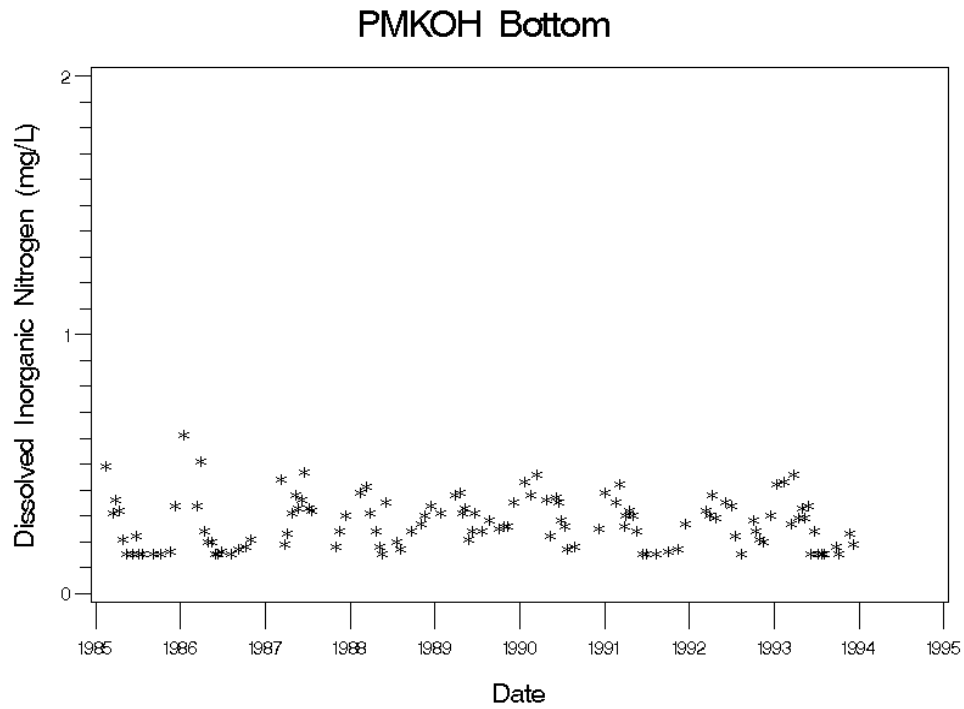


Figure 32. Scatterplots of bottom total nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

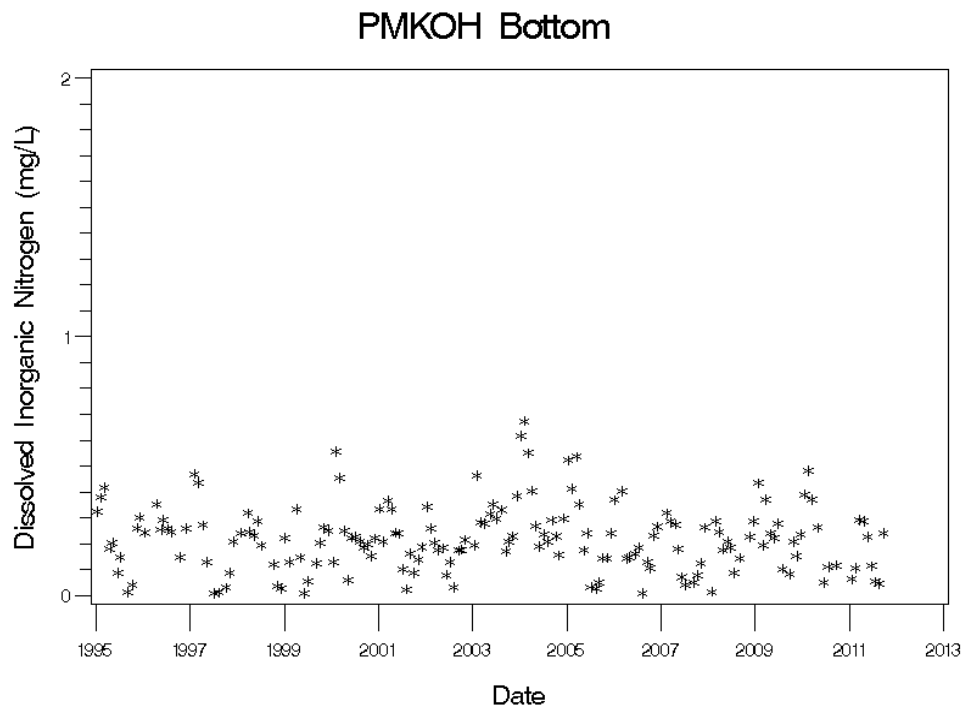
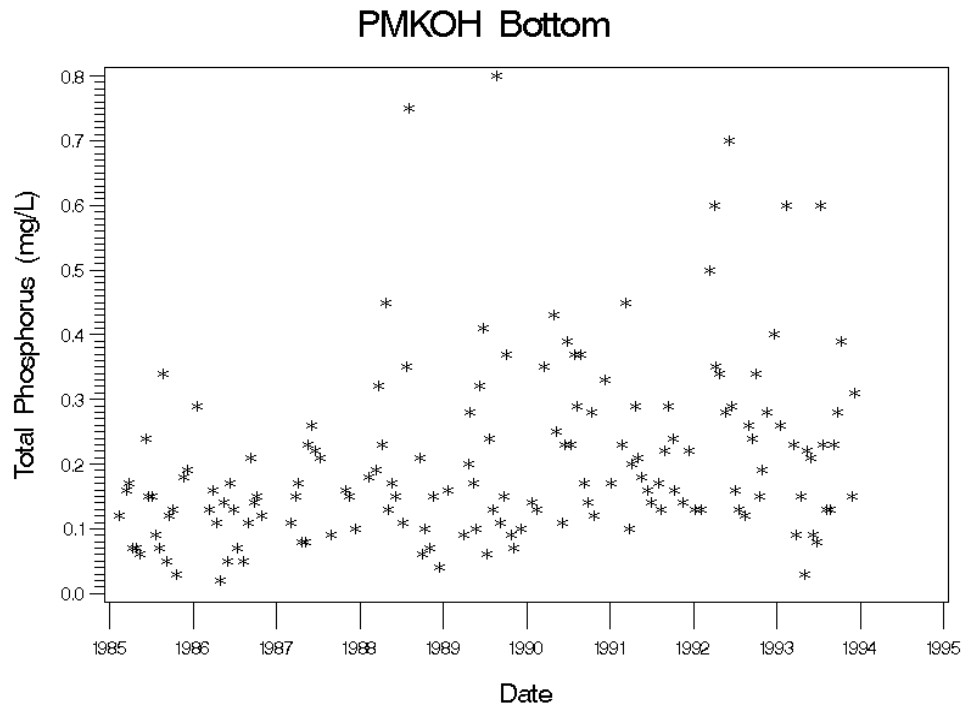


Figure 33. Scatterplots of bottom dissolved inorganic nitrogen at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

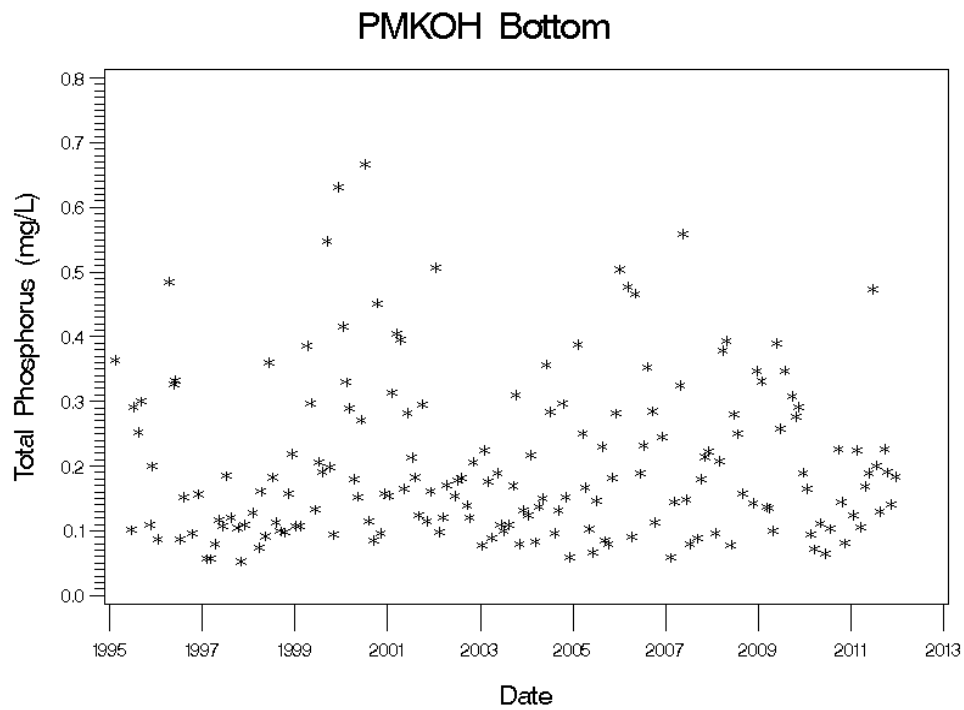
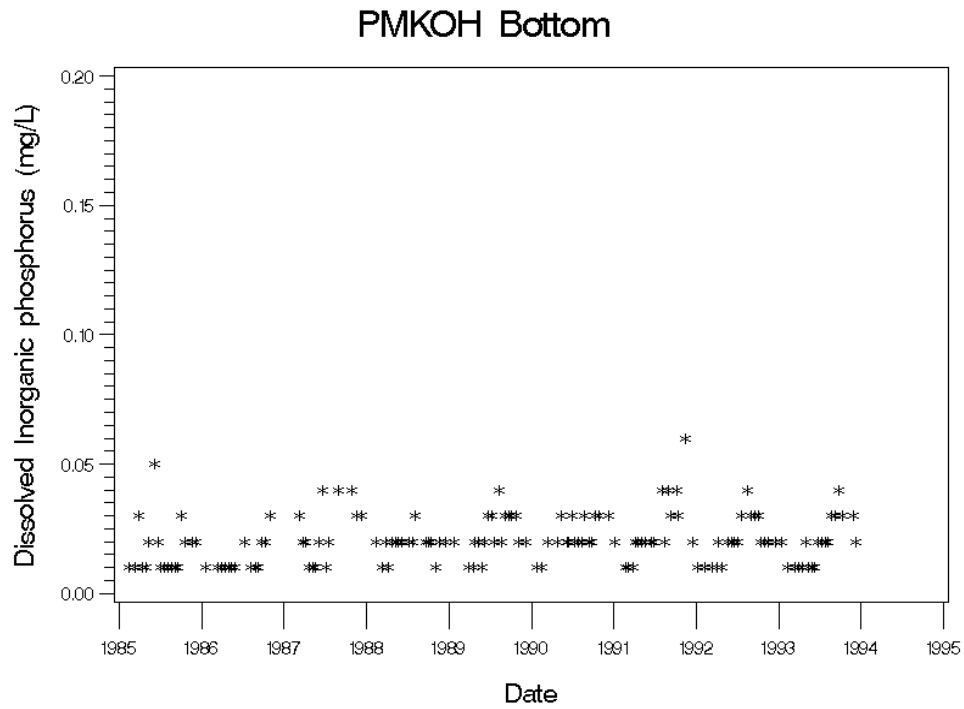


Figure 34. Scatterplots of bottom total phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

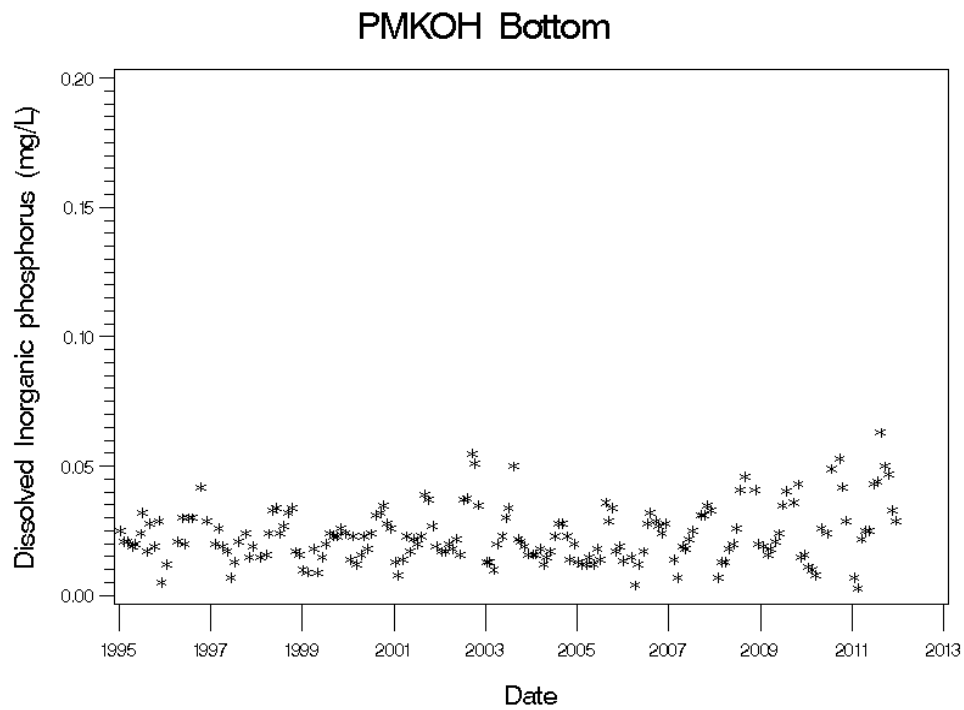


Figure 35. Scatterplots of bottom dissolved inorganic phosphorus at segment PMKOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

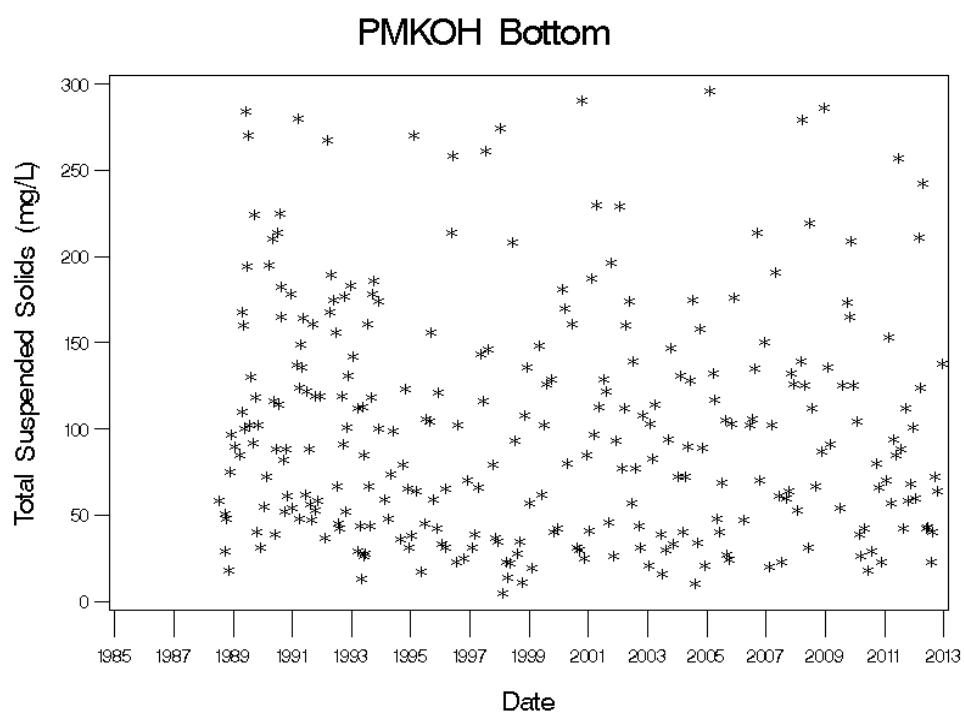


Figure 36. Scatterplot of bottom total suspended solids at segment PMKOH during the period 1985 to 2013.

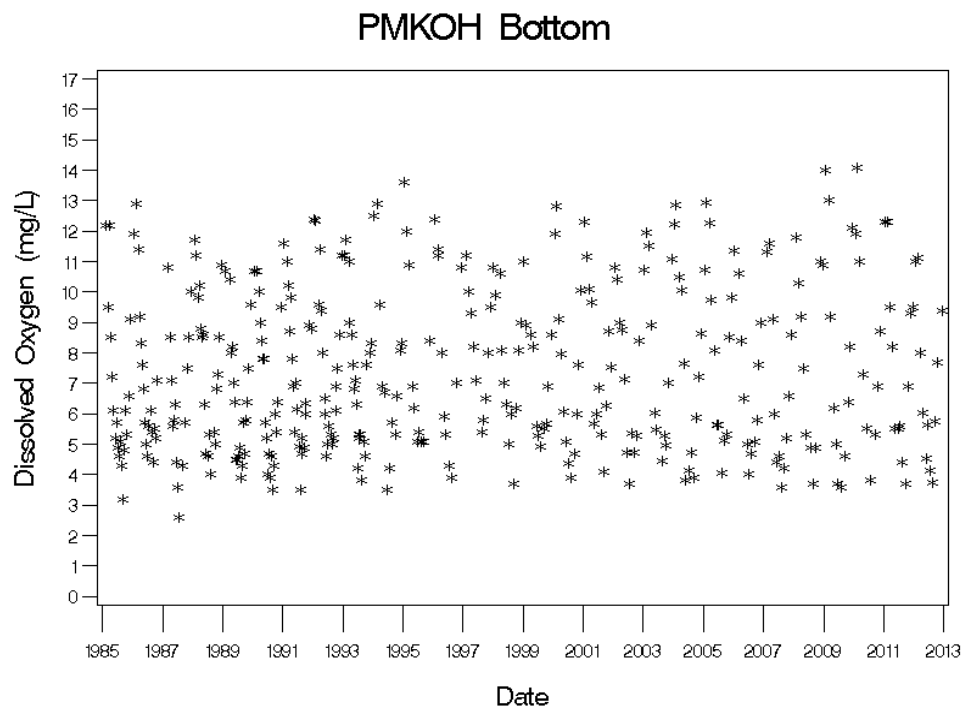


Figure 37. Scatterplot of bottom dissolved oxygen at segment PMKOH during the period 1985 to 2013.

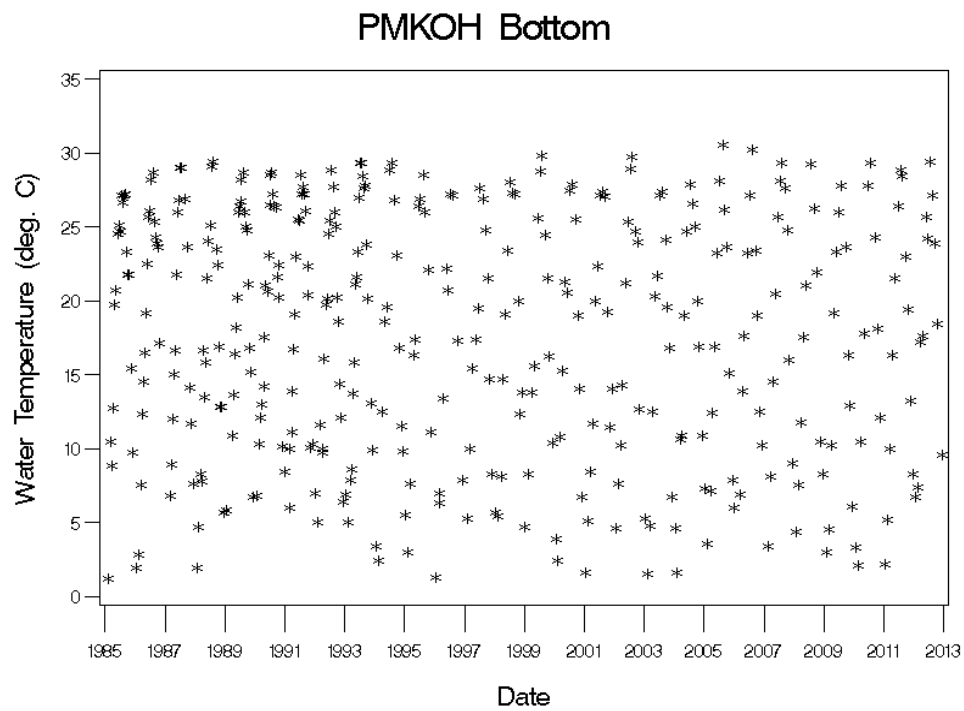


Figure 38. Scatterplot of bottom water temperature at segment PMKOH during the period 1985 to 2013.

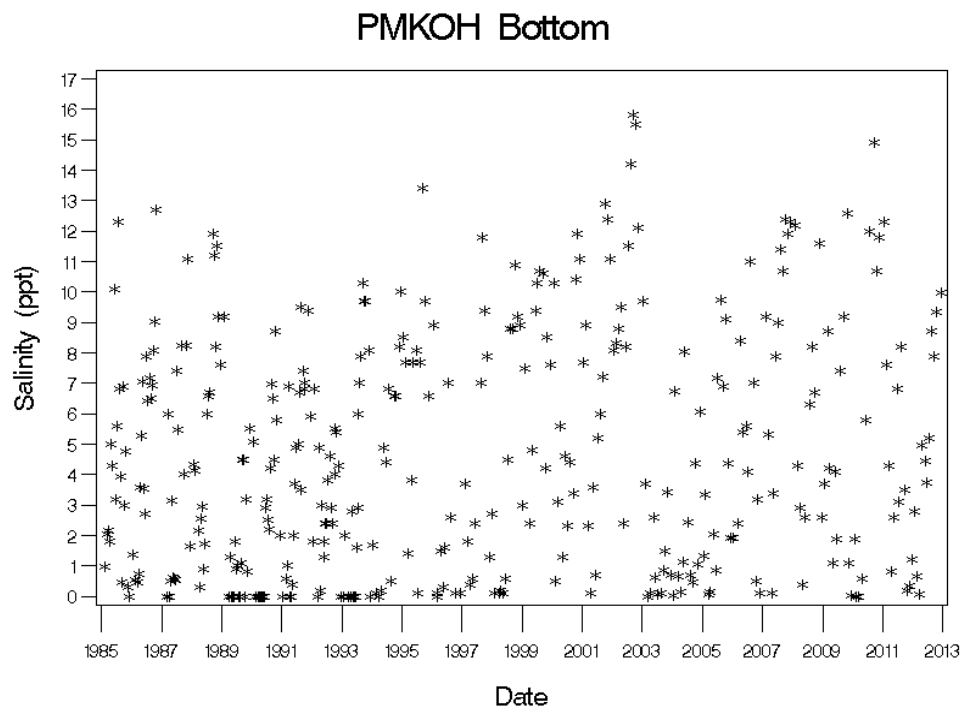


Figure 39. Scatterplot of bottom salinity at segment PMKOH during the period 1985 to 2013.

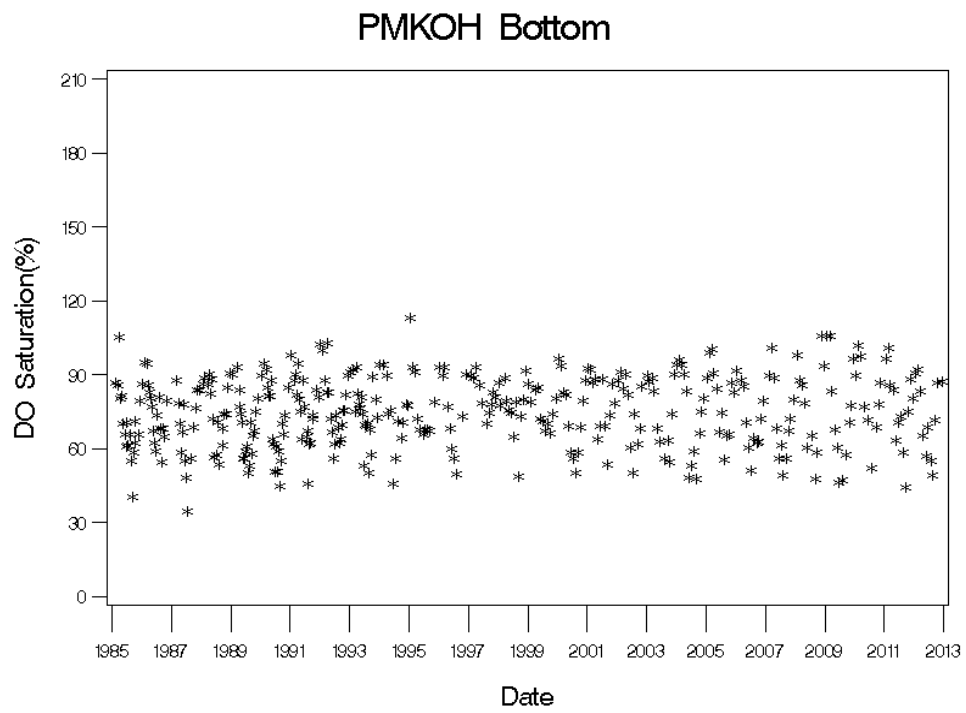
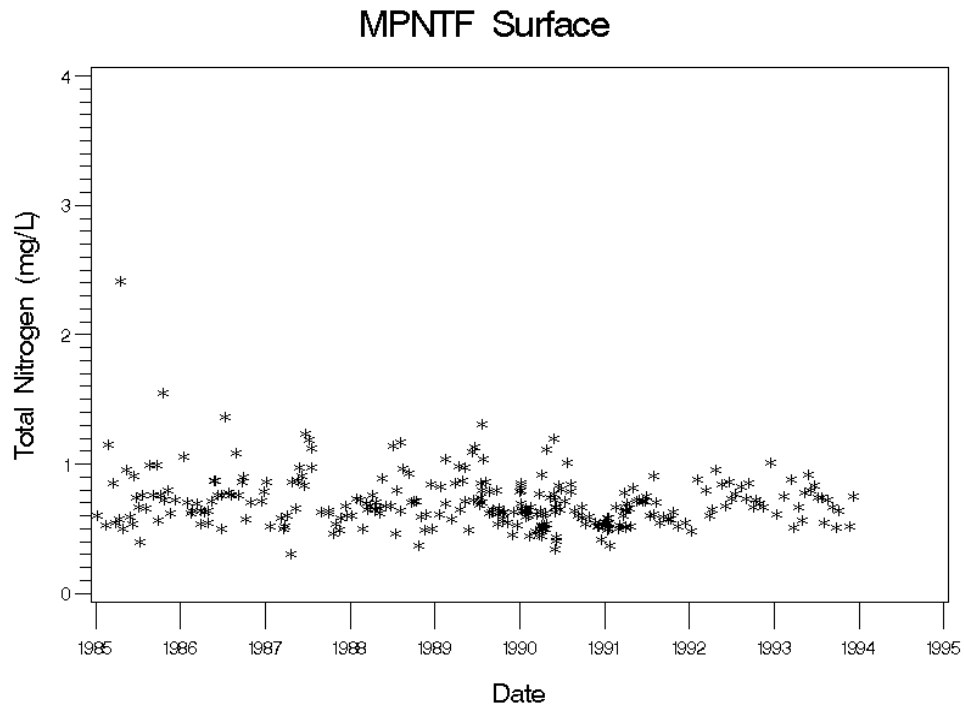


Figure 40. Scatterplot of bottom DO saturation at segment PMKOH during the period 1985 to 2013.

a) Pre-method change period



b) Post-method change period

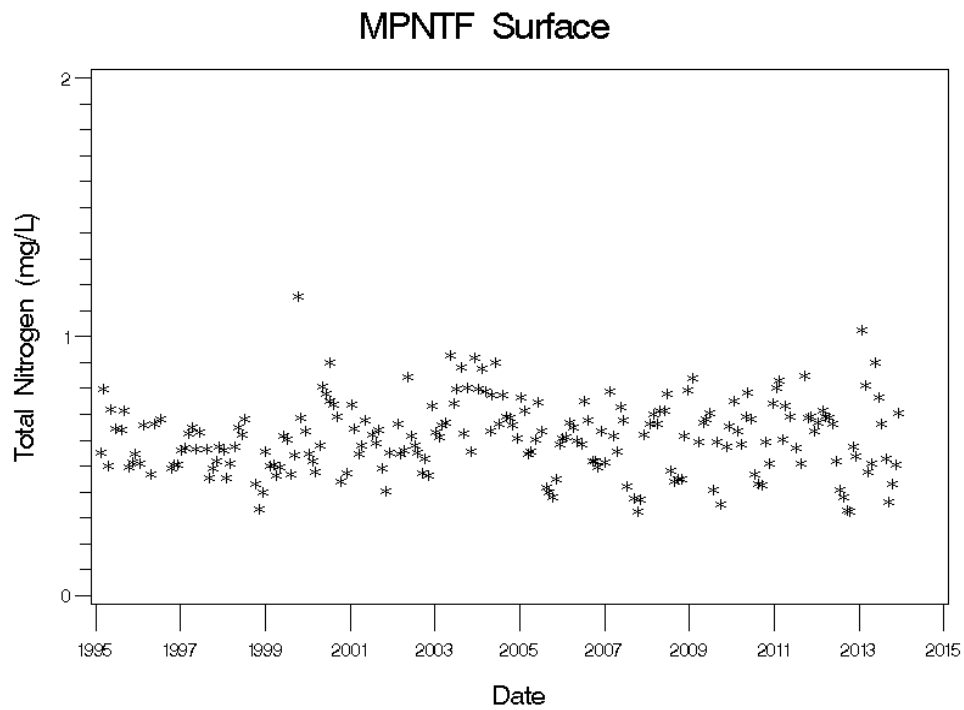
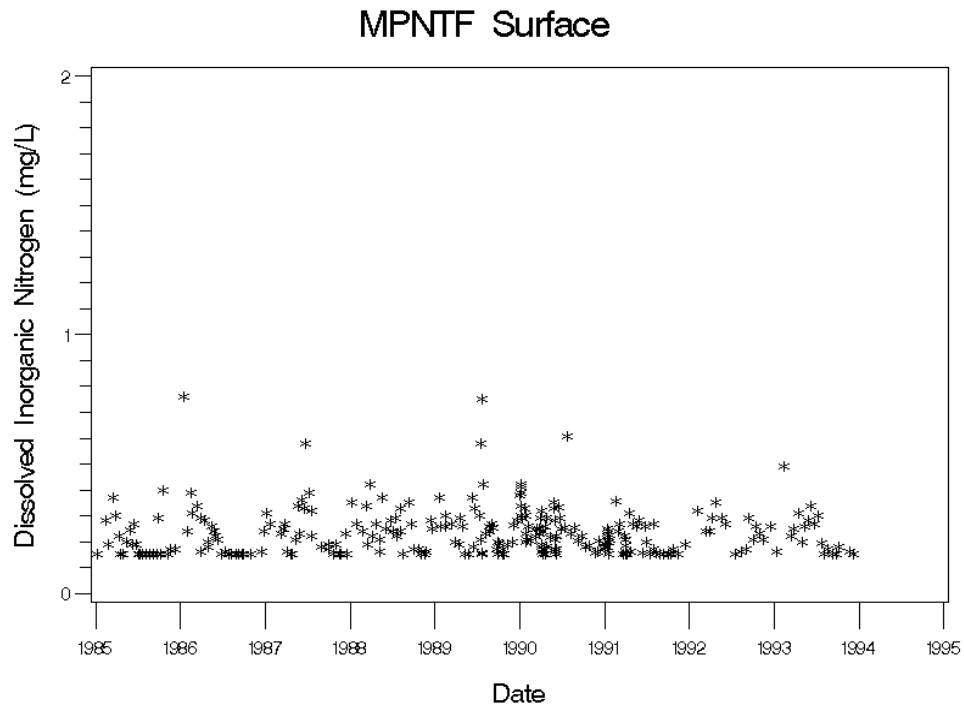


Figure 41. Scatterplots of surface total nitrogen at segment MPNTF during the a) Pre-method change (1985- 1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

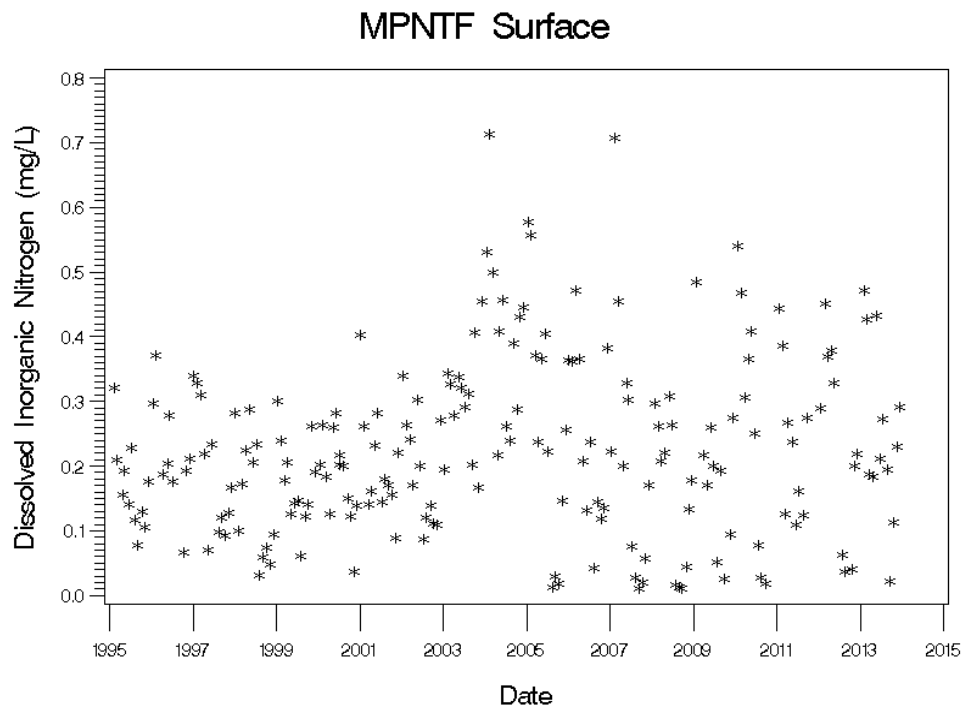
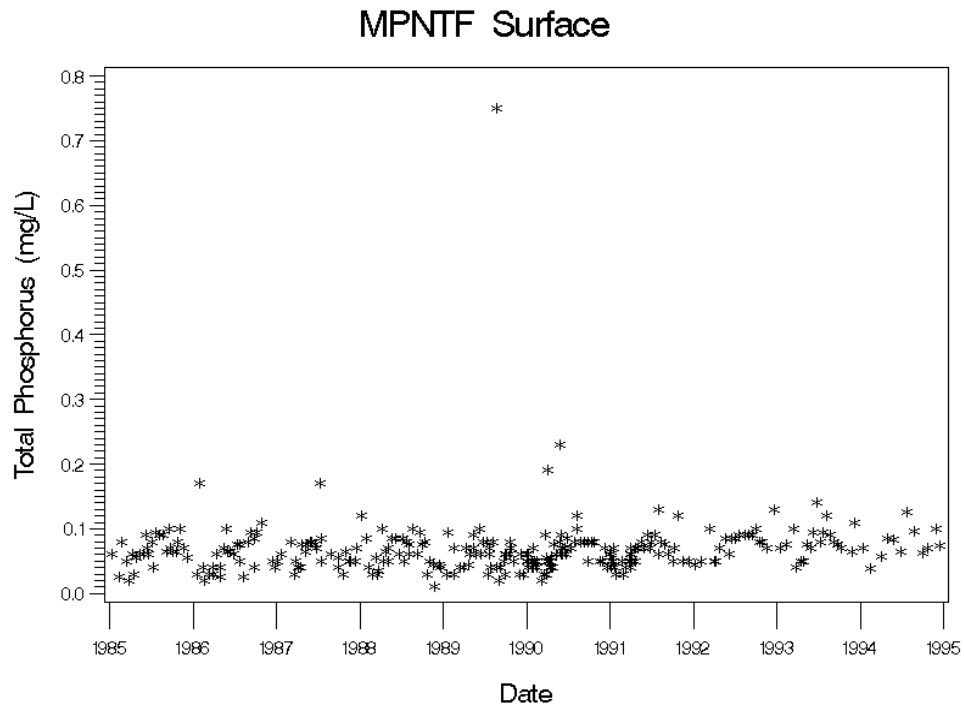


Figure 42. Scatterplots of surface dissolved inorganic nitrogen at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

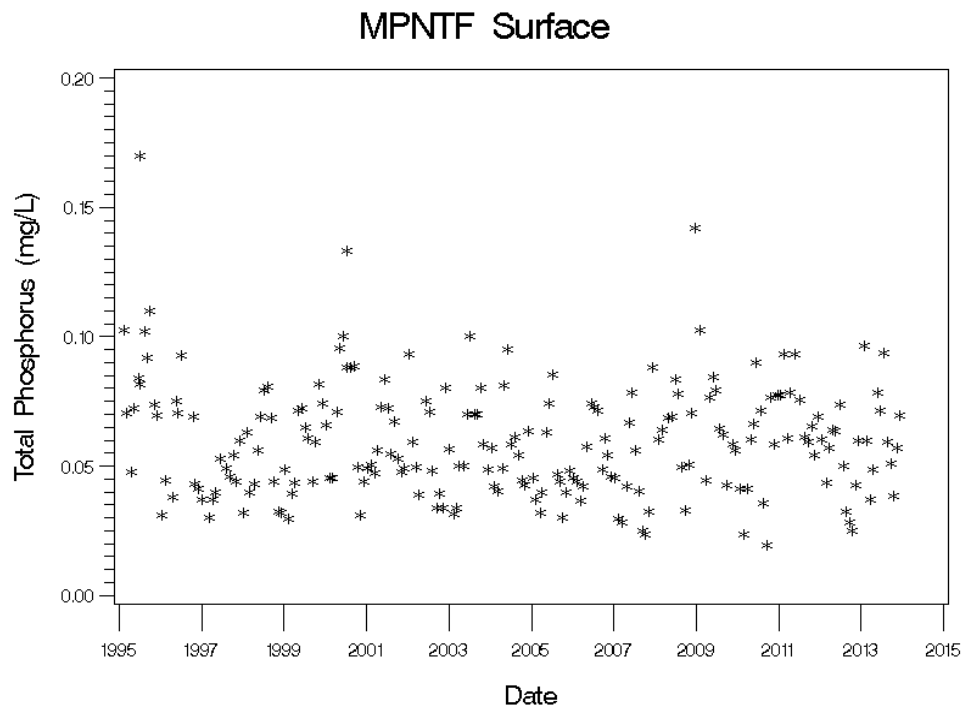
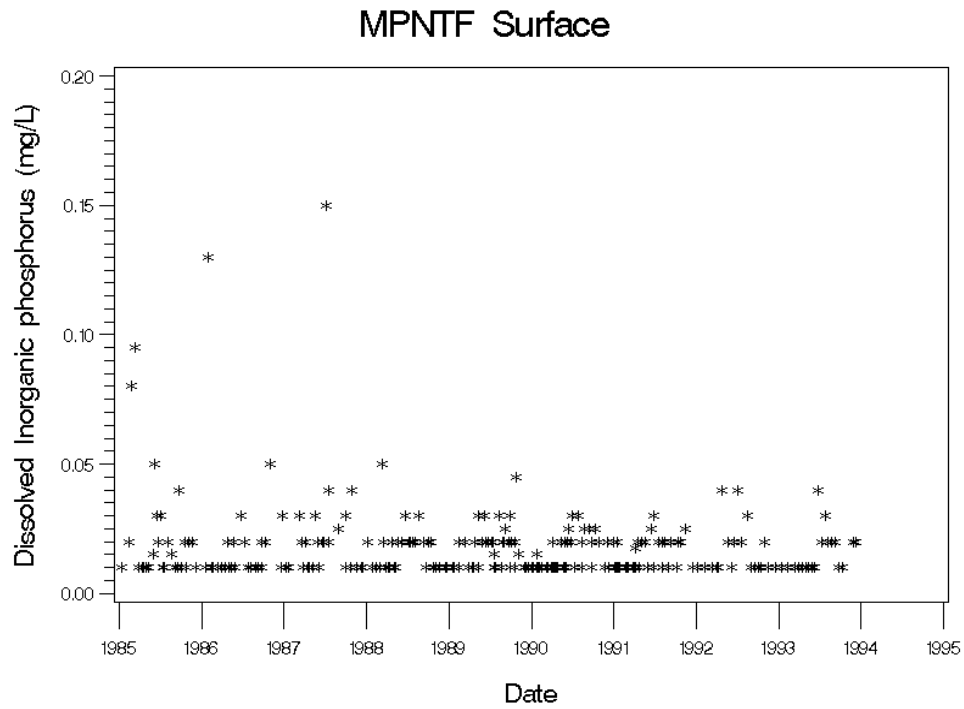


Figure 43. Scatterplots of surface total phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

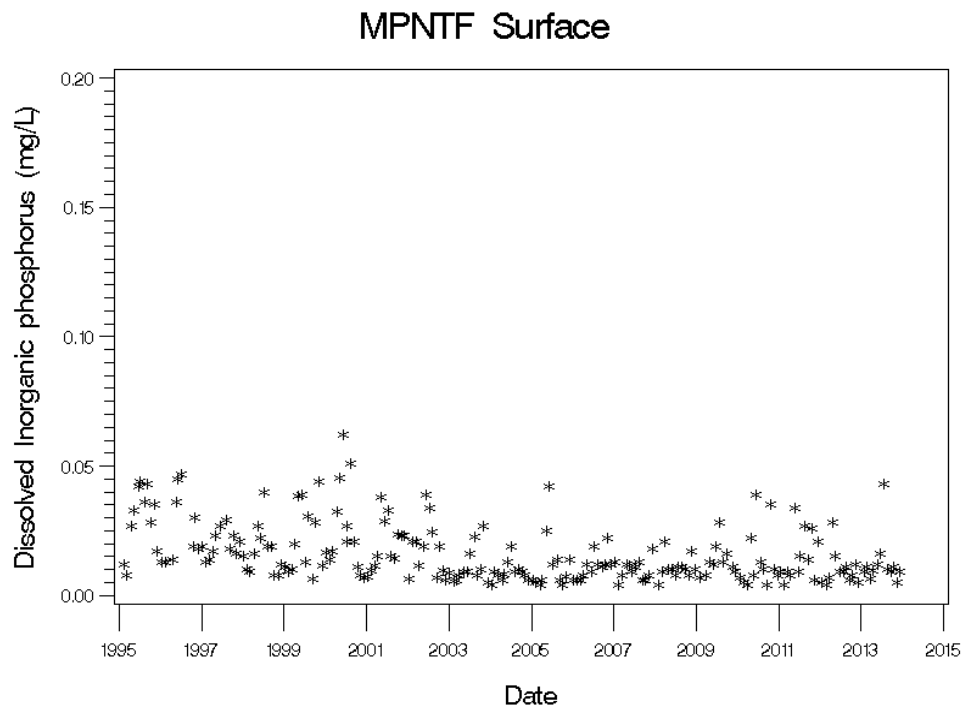


Figure 44. Scatterplots of surface dissolved inorganic phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

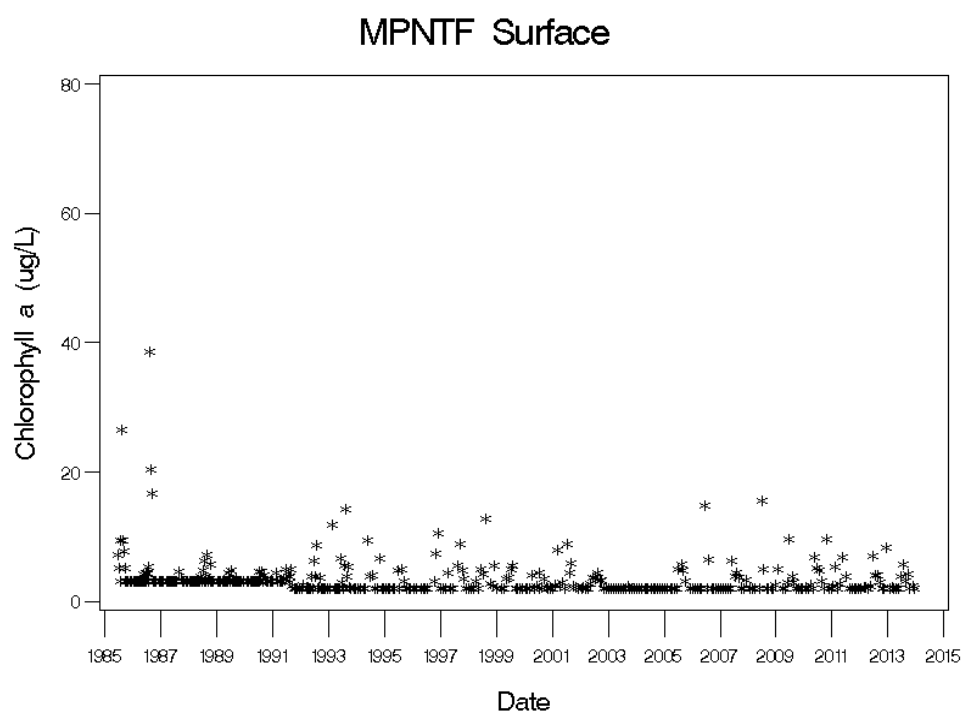


Figure 45. Scatterplot of surface chlorophyll a at segment MPNTF during the period 1985 to 2013.

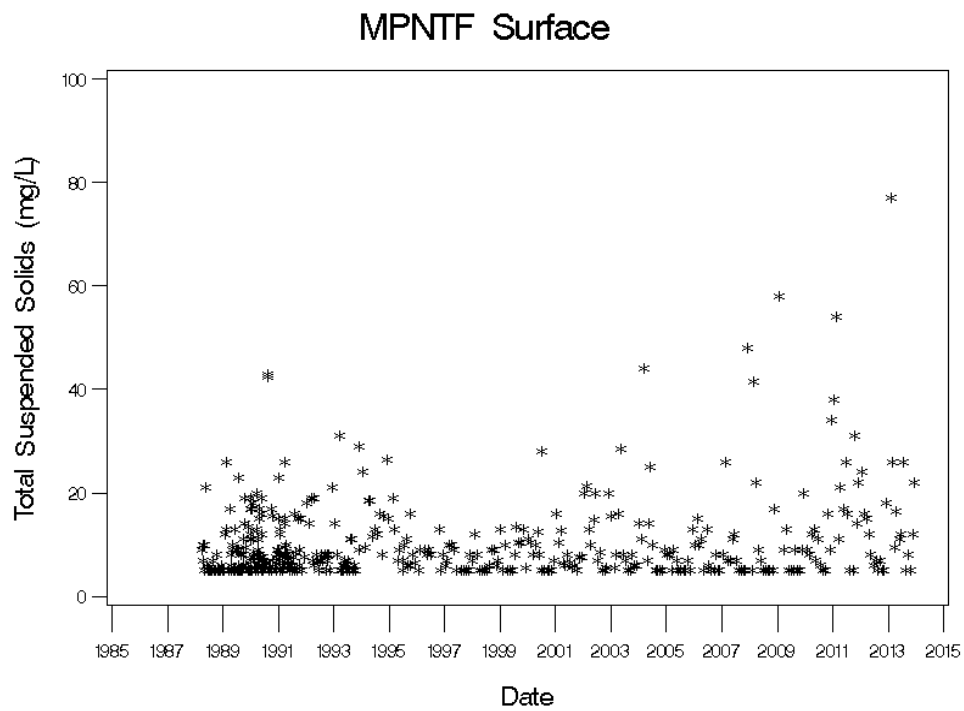


Figure 46. Scatterplot of surface total suspended solids at segment MPNTF during the period 1985 to 2013.

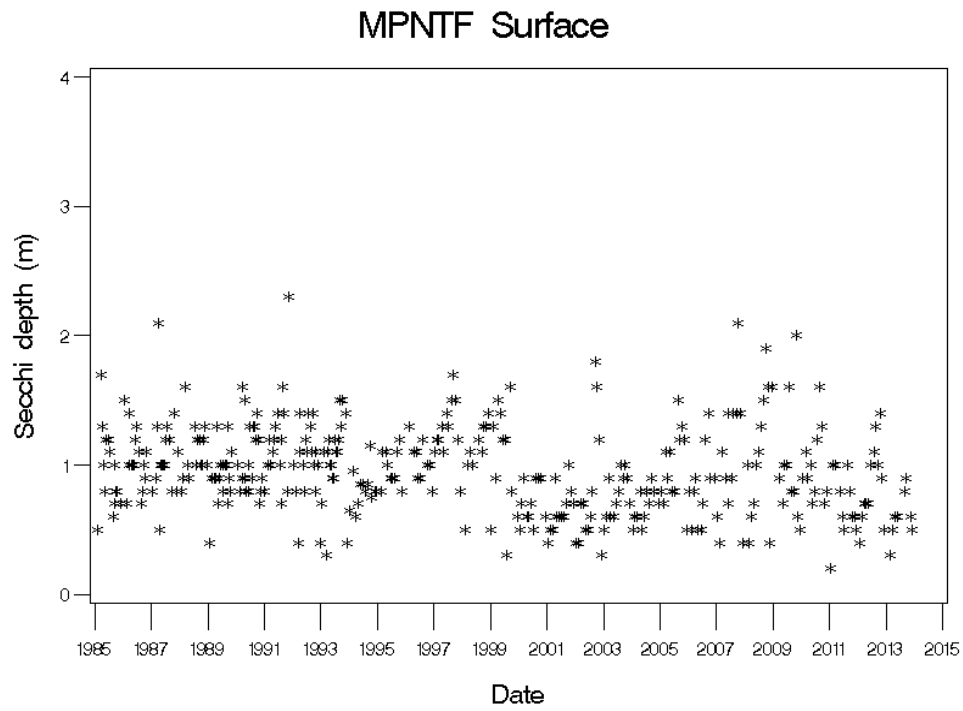


Figure 47. Scatterplot of secchi depth at segment MPNTF during the period 1985 to 2013.

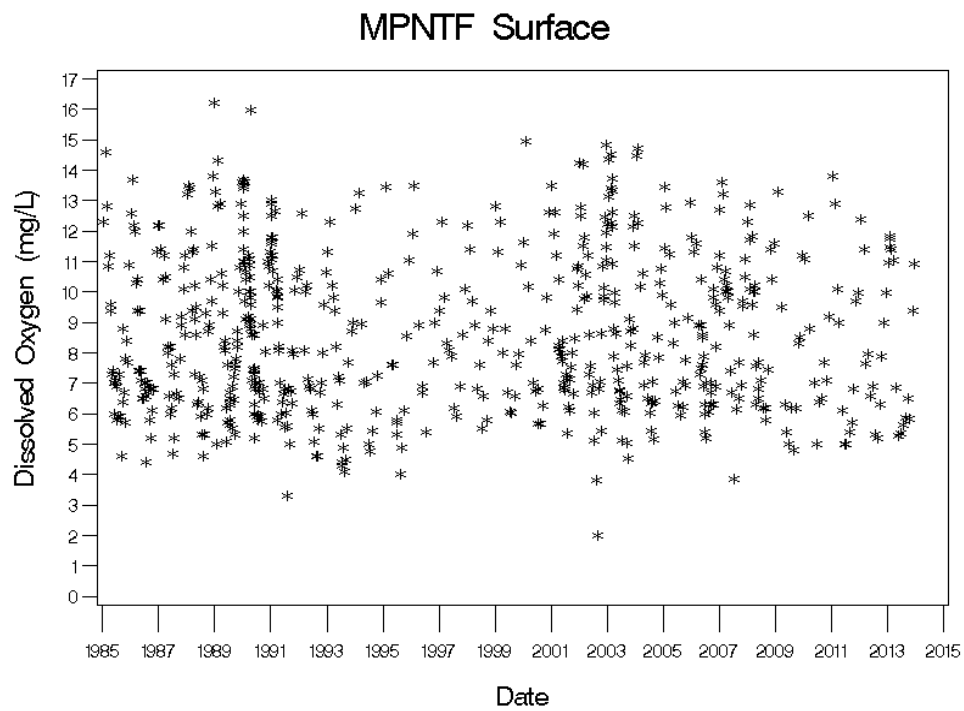


Figure 48. Scatterplot of surface dissolved oxygen at segment MPNTF during the period 1985 to 2013.

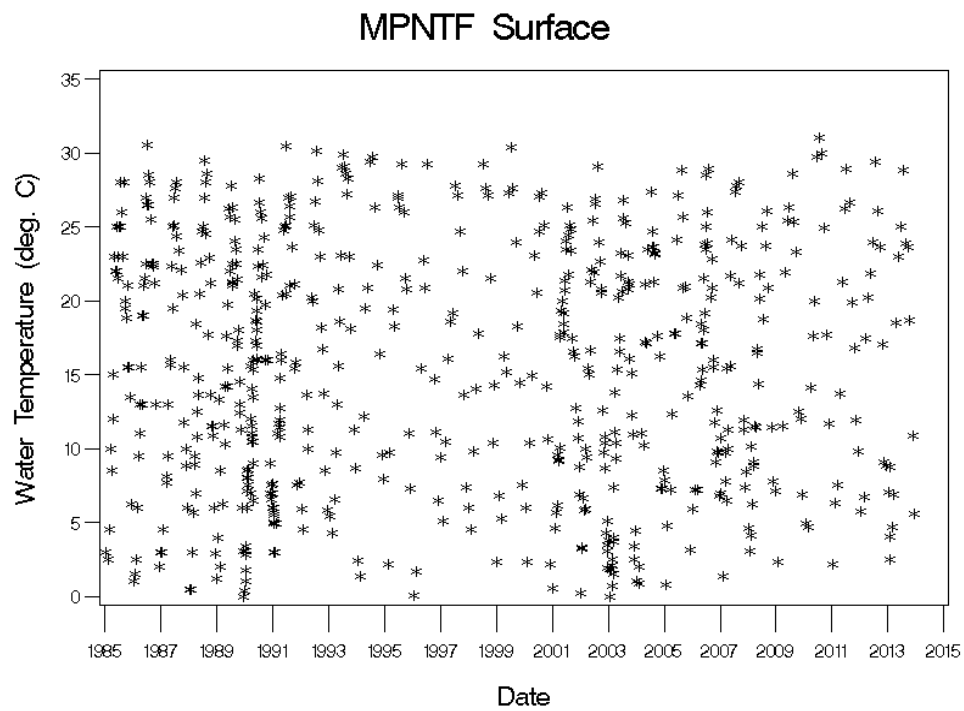


Figure 49. Scatterplot of surface water temperature at segment MPNTF during the period 1985 to 2013.

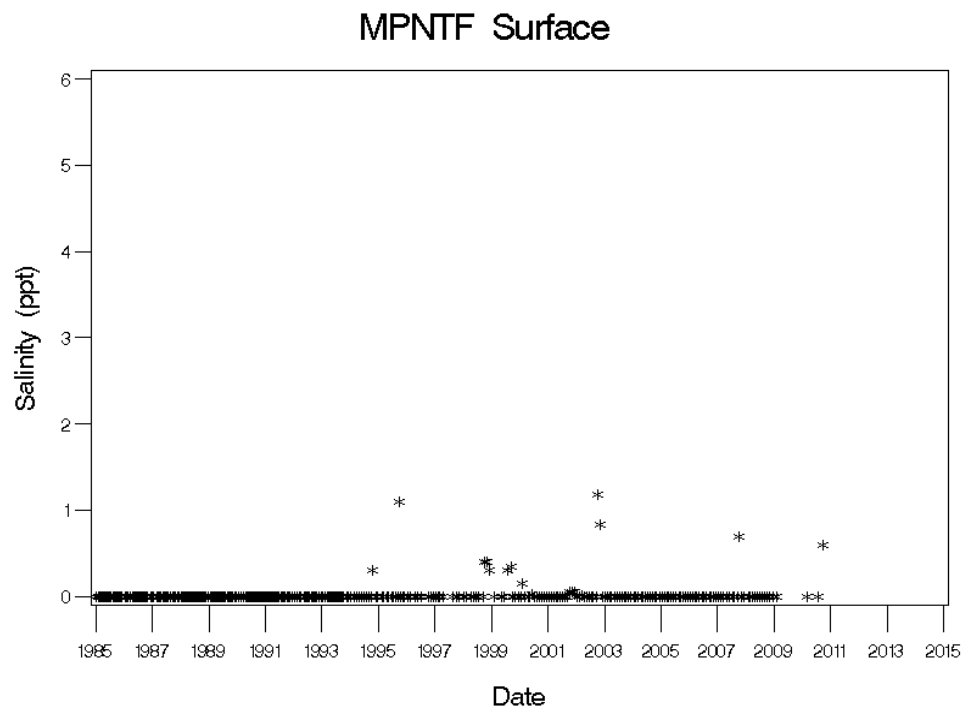


Figure 50. Scatterplot of surface salinity at segment MPNTF during the period 1985 to 2013.

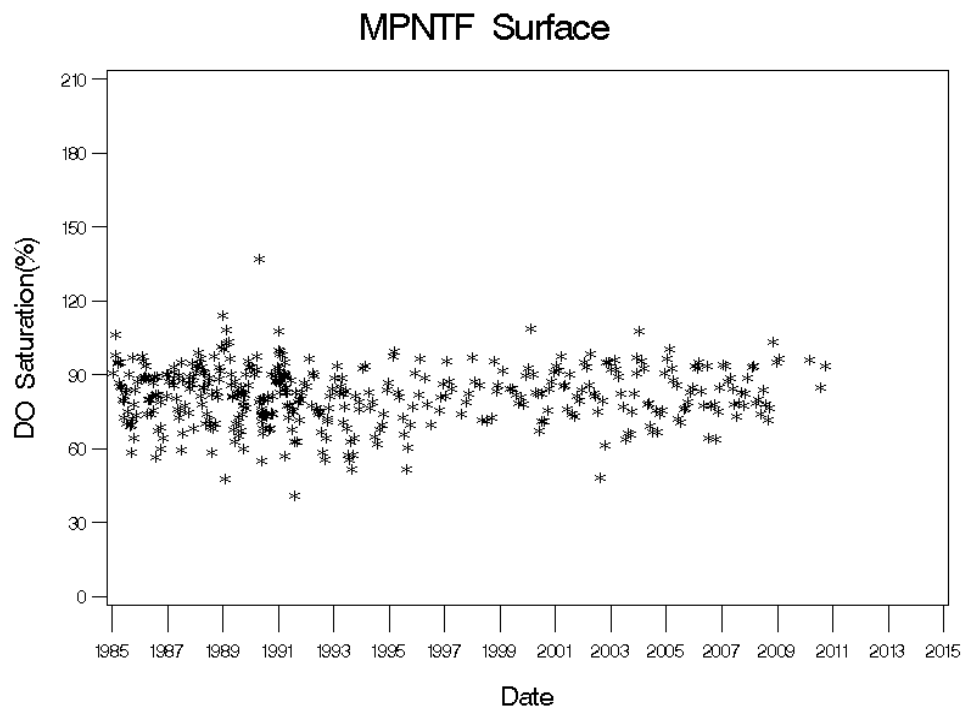
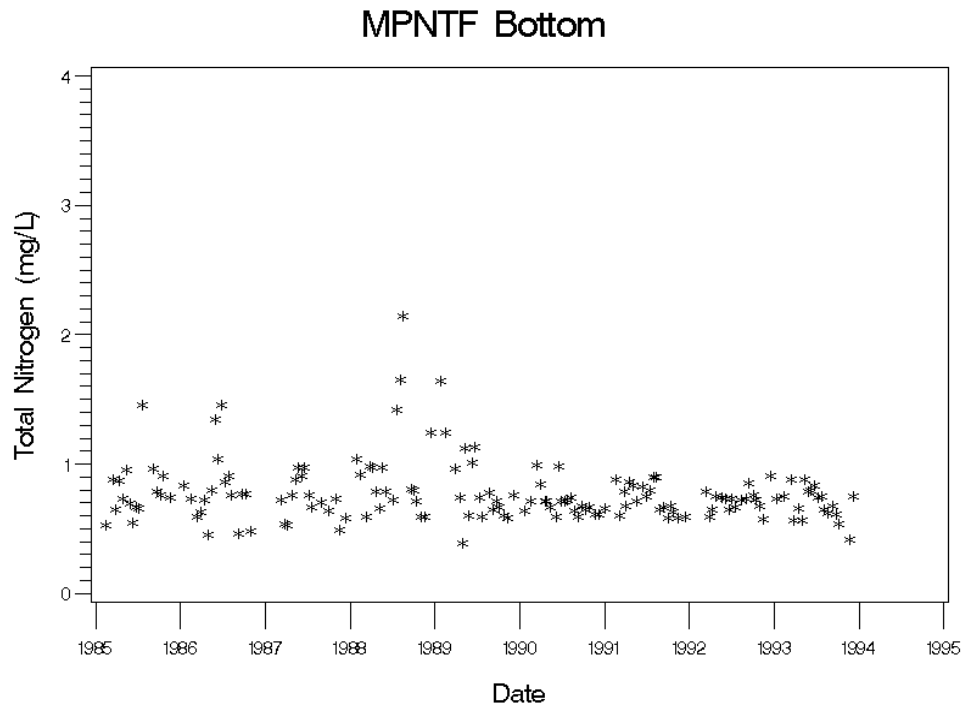


Figure 51. Scatterplot of surface DO saturation at segment MPNTF during the period 1985 to 2013.

a) Pre-method change period



b) Post-method change period

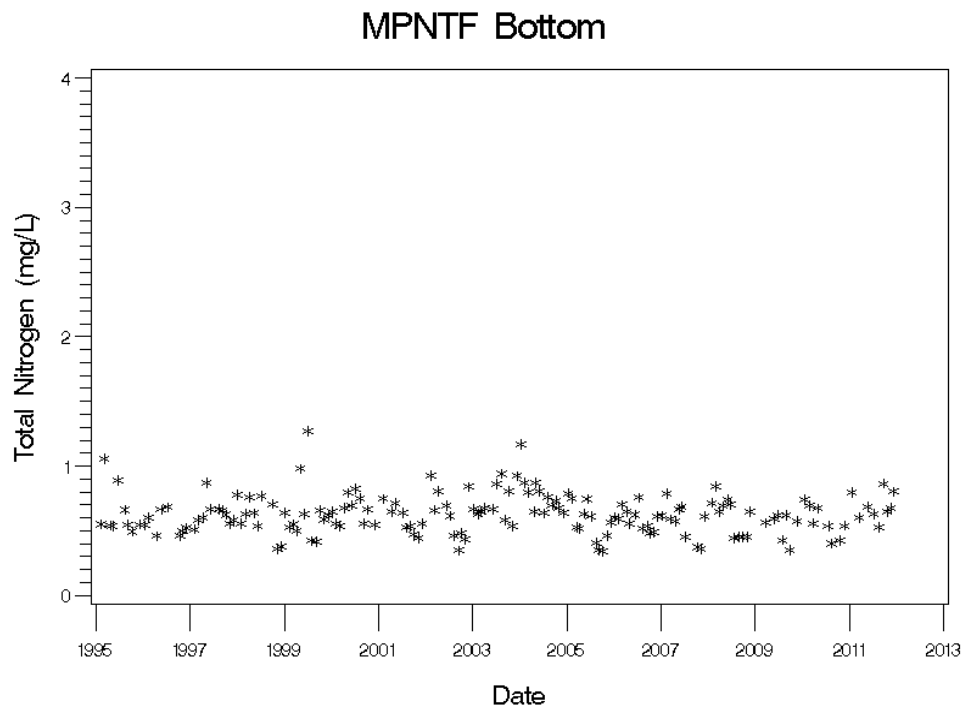
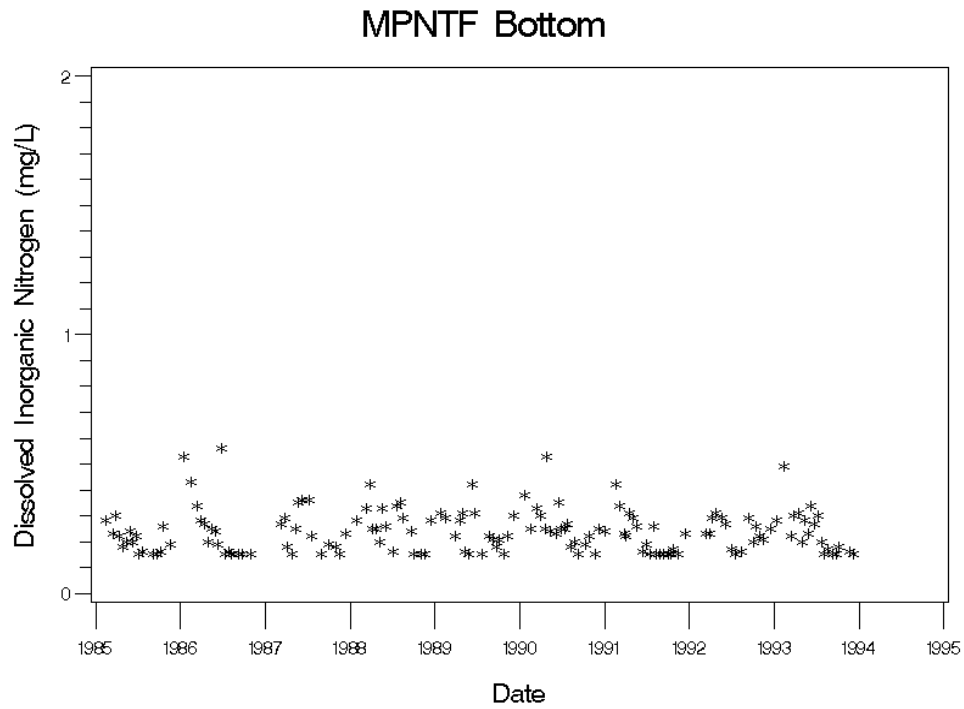


Figure 52. Scatterplots of bottom total nitrogen at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

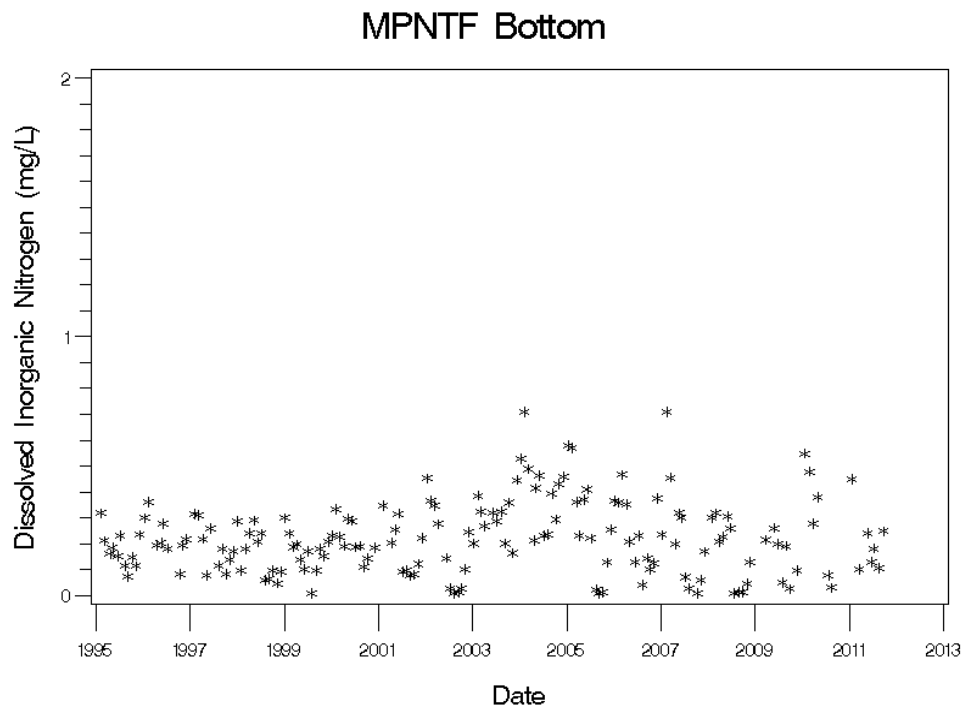
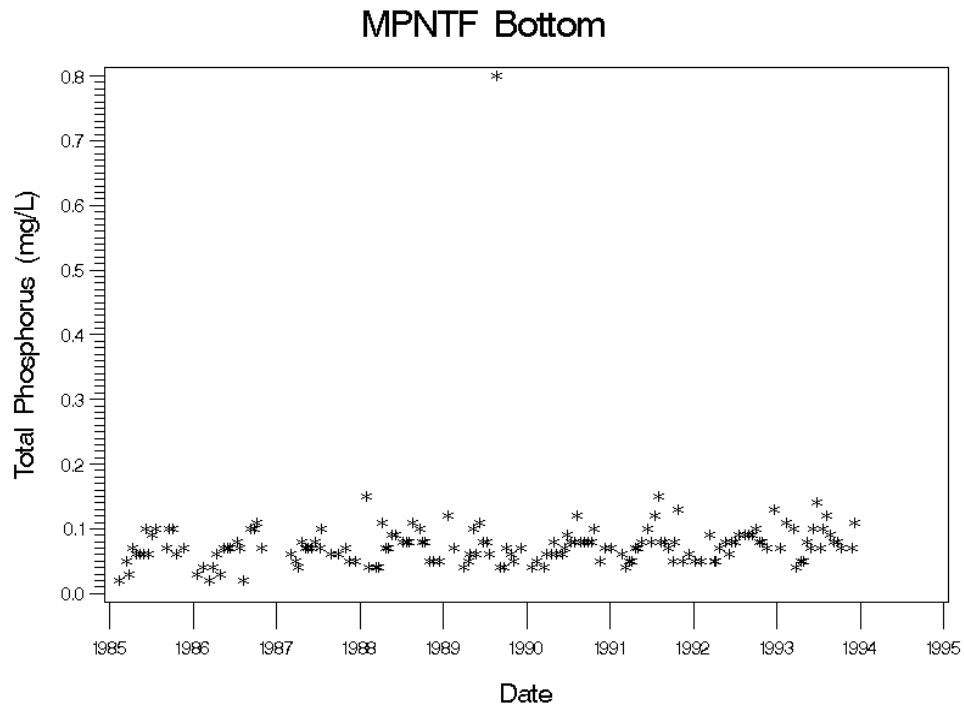


Figure 53. Scatterplots of bottom dissolved inorganic nitrogen at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

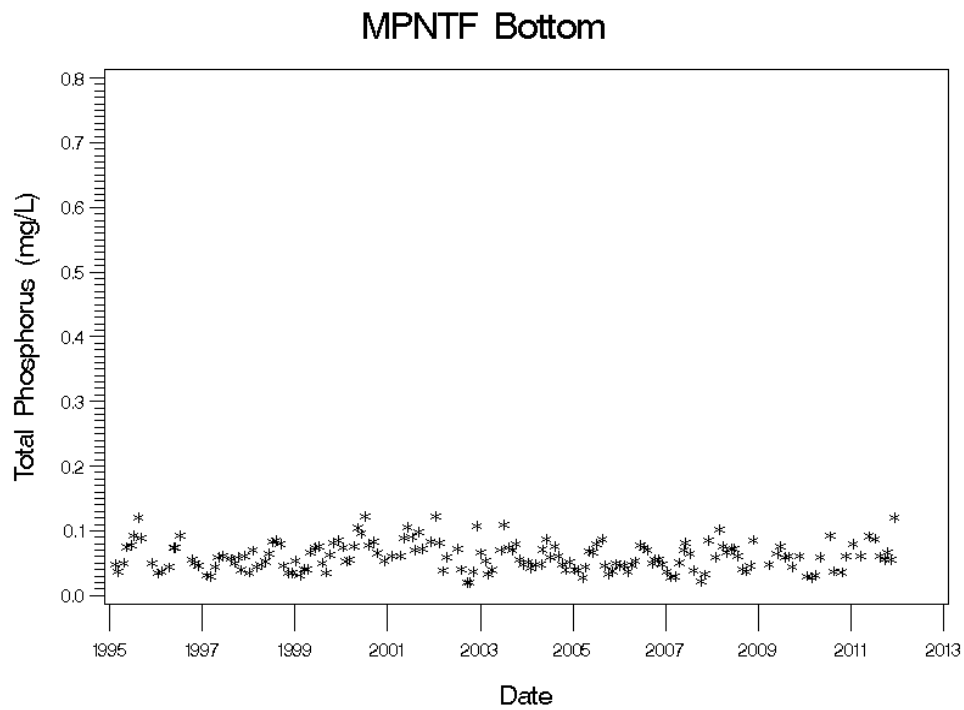
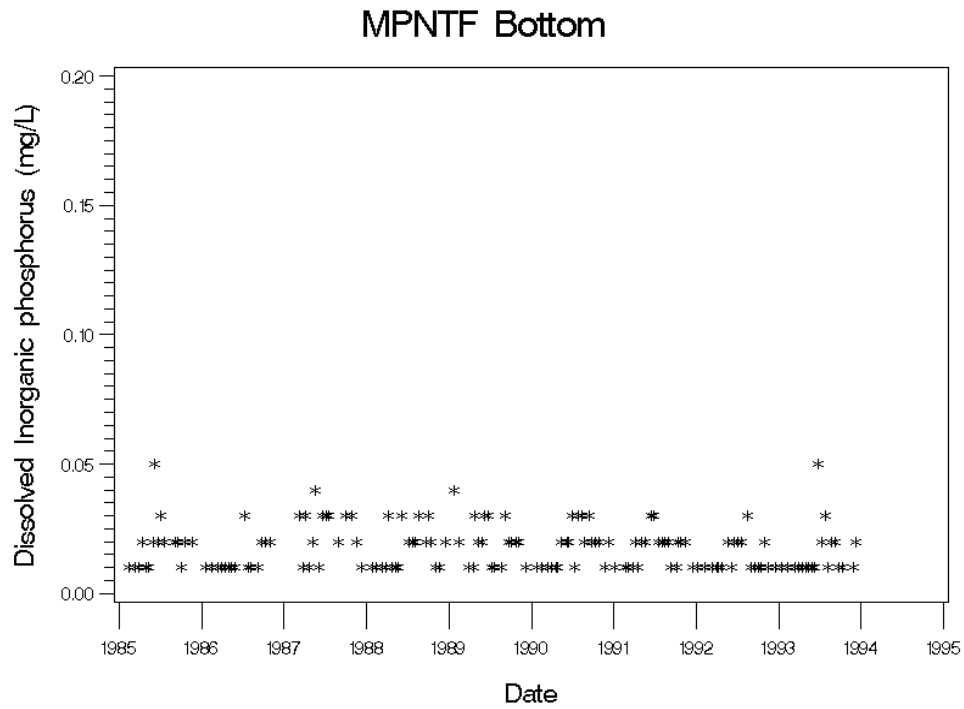


Figure 54. Scatterplots of bottom total phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

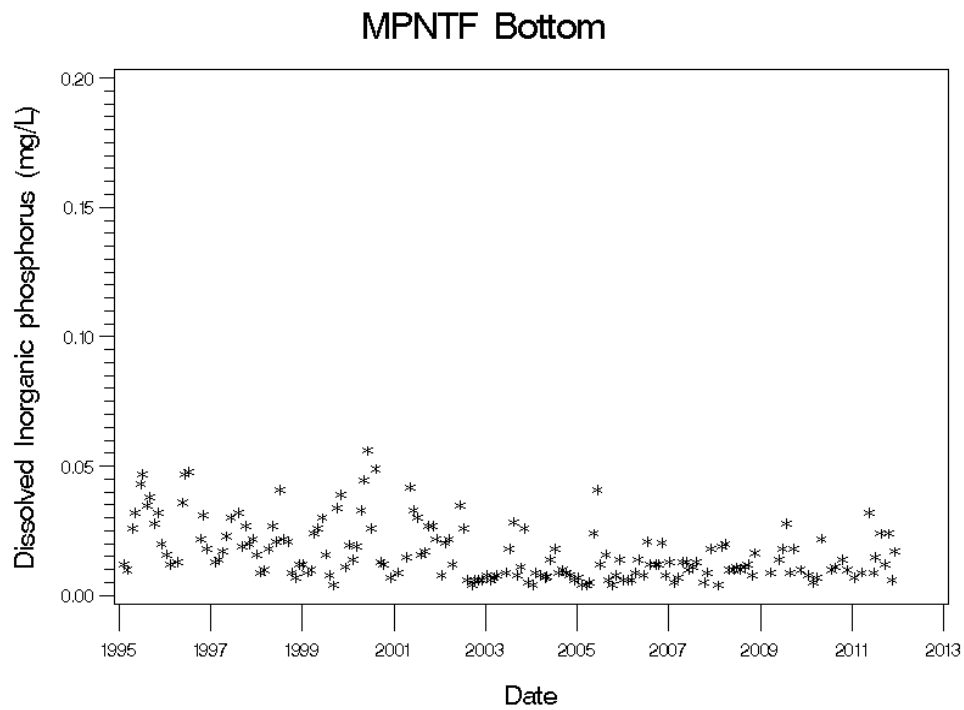


Figure 55. Scatterplots of bottom dissolved inorganic phosphorus at segment MPNTF during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

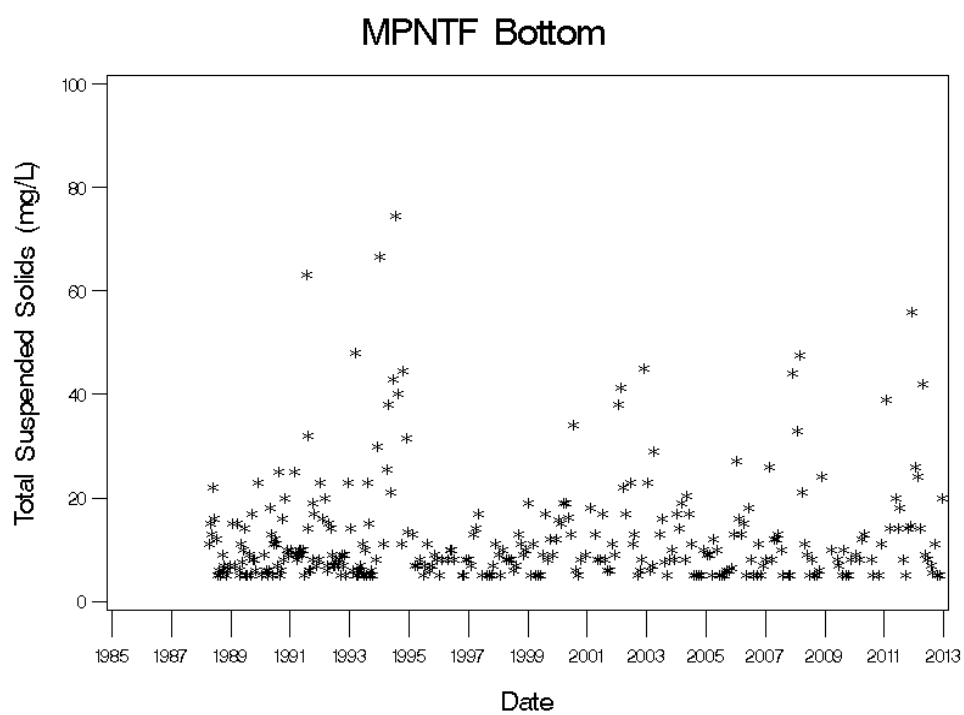


Figure 56. Scatterplot of bottom total suspended solids at segment MPNTF during the period 1985 to 2013.

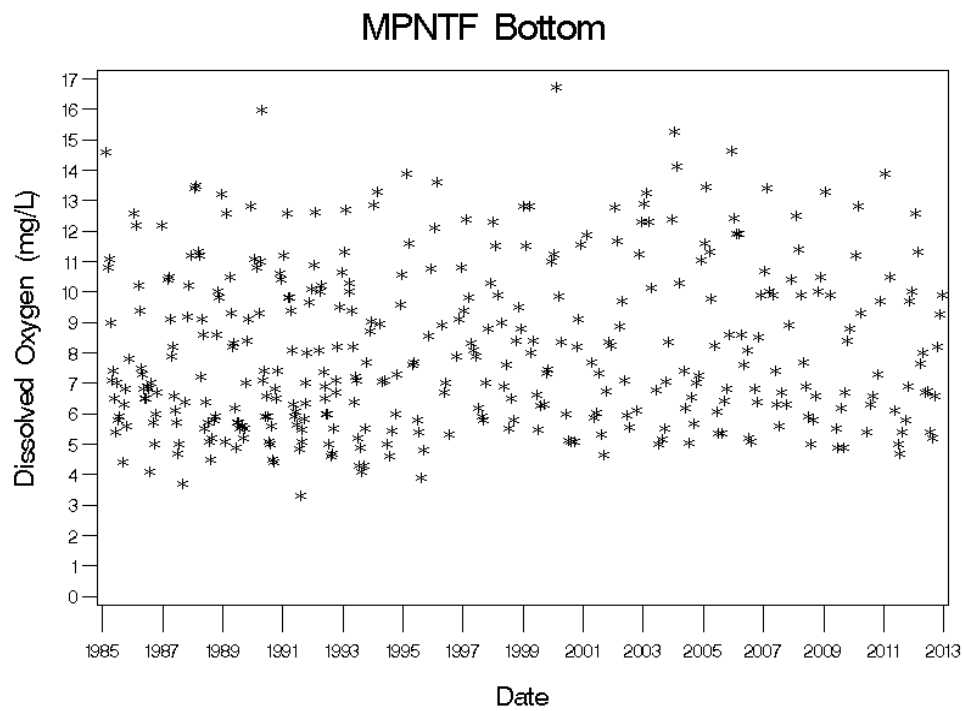


Figure 57. Scatterplot of bottom dissolved oxygen at segment MPNTF during the period 1985 to 2013.

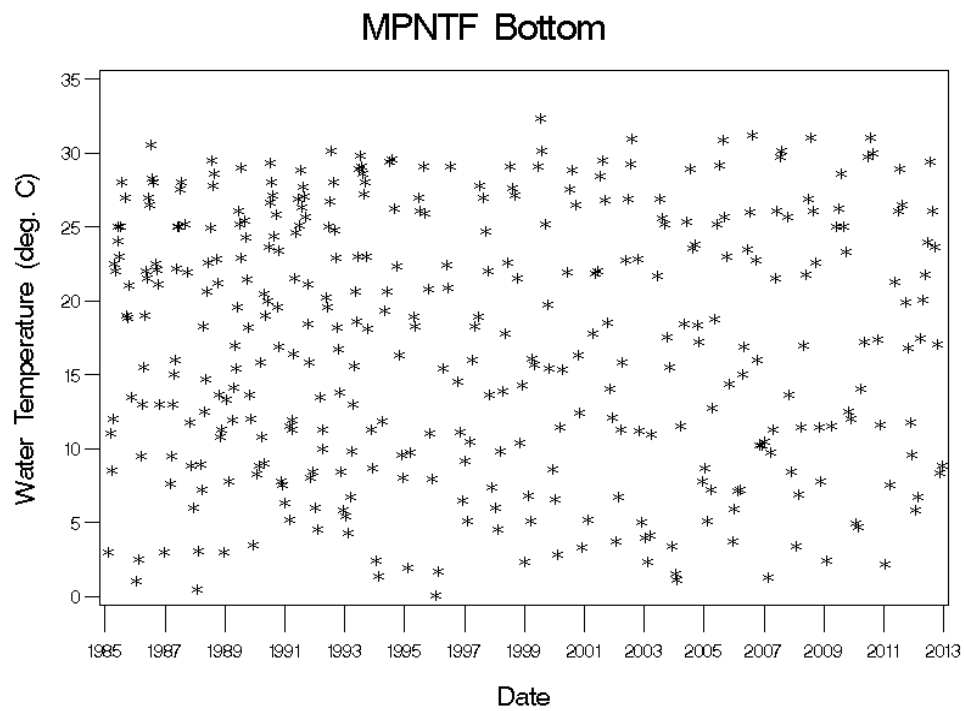


Figure 58. Scatterplot of bottom water temperature at segment MPNTF during the period 1985 to 2013.

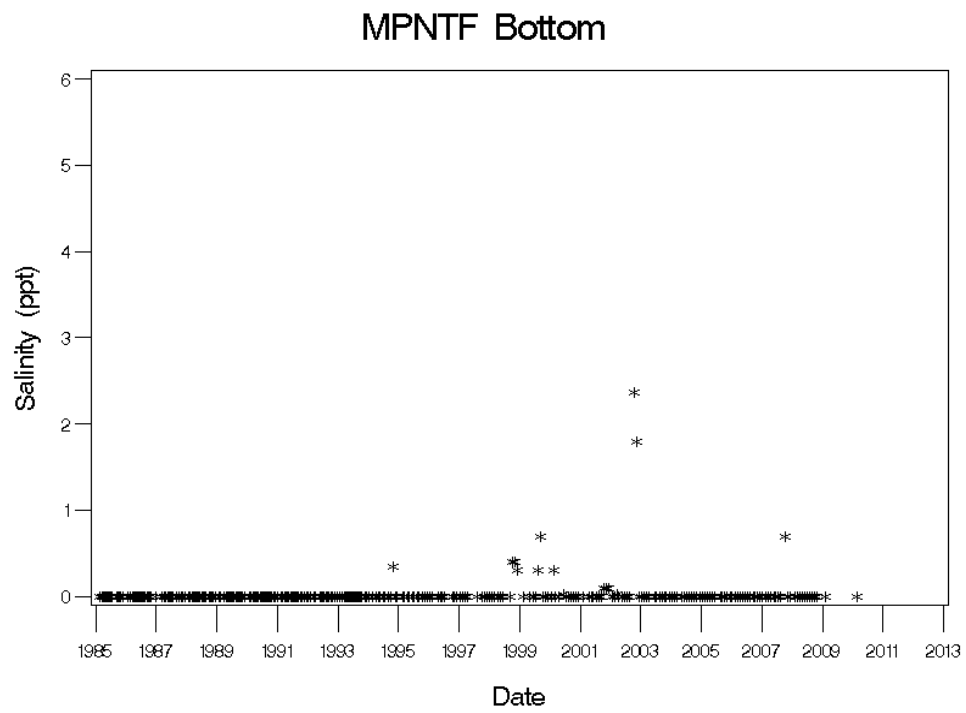


Figure 59. Scatterplot of bottom salinity at segment MPNTF during the period 1985 to 2013.

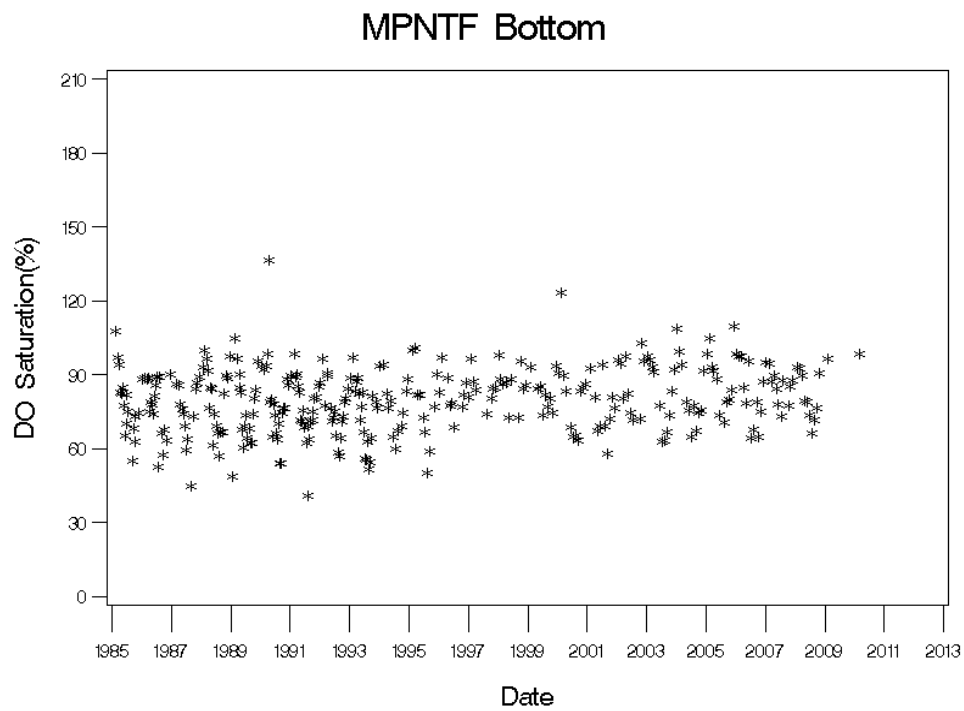
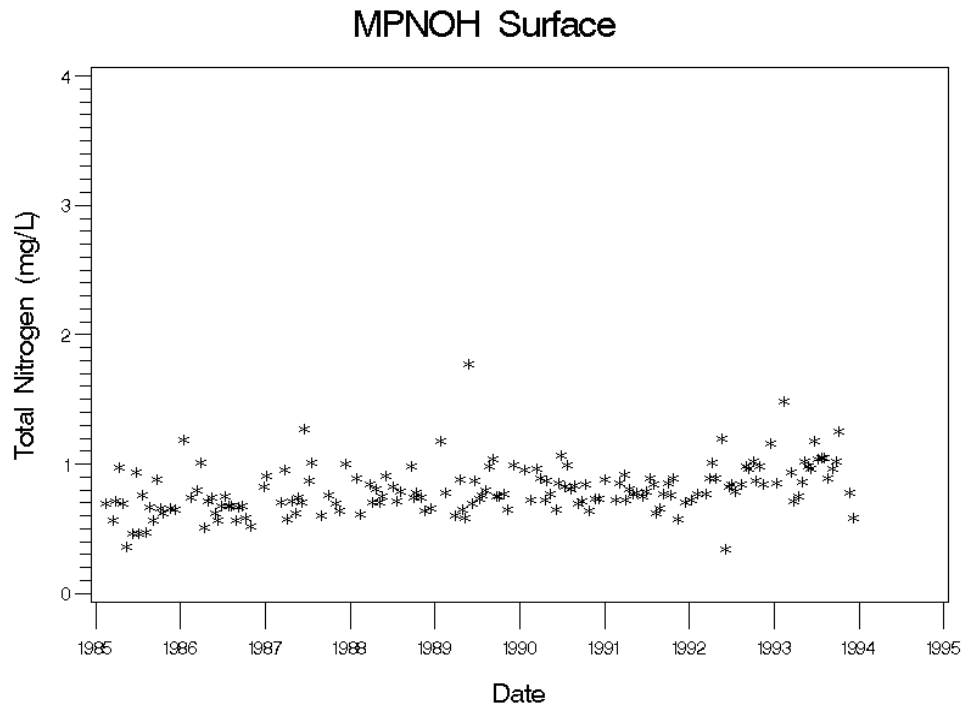


Figure 60. Scatterplot of bottom DO saturation at segment MPNTF during the period 1985 to 2013.

a) Pre-method change period



b) Post-method change period

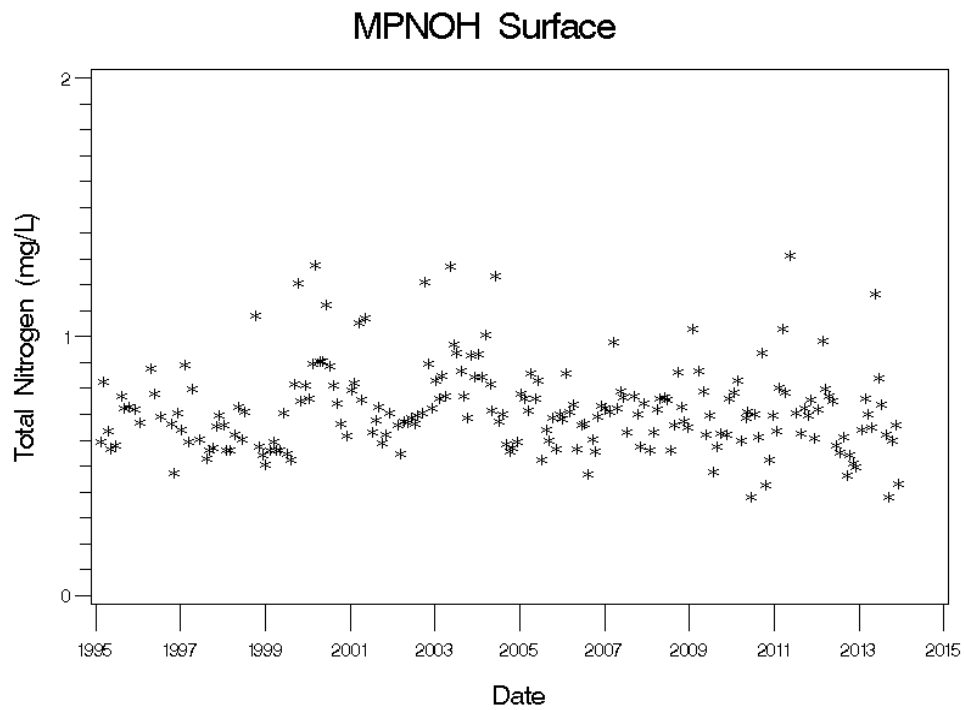
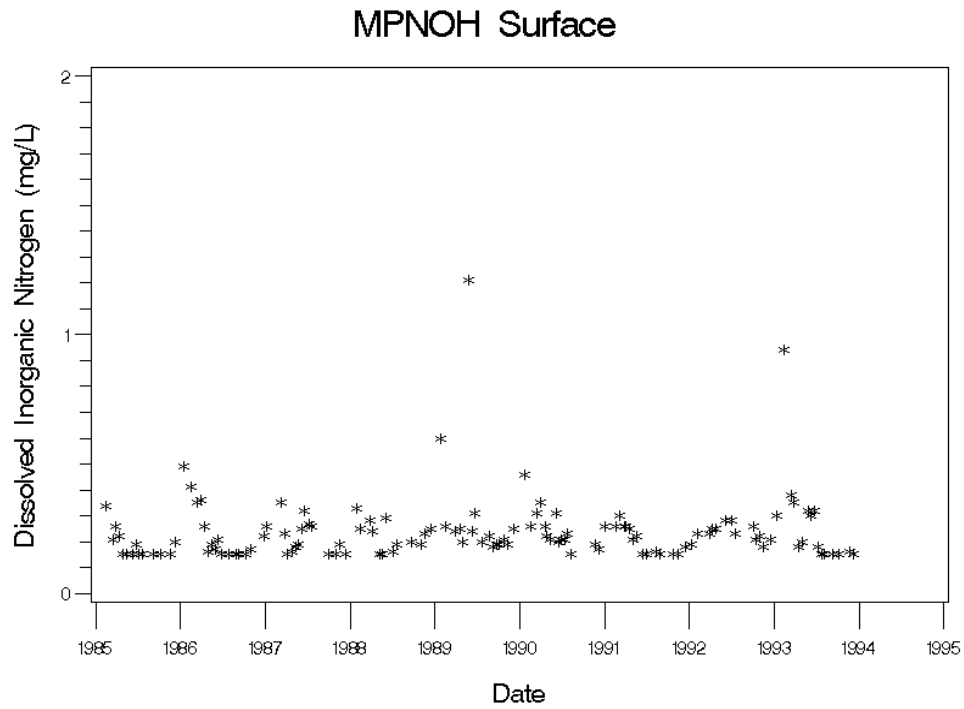


Figure 61. Scatterplots of surface total nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

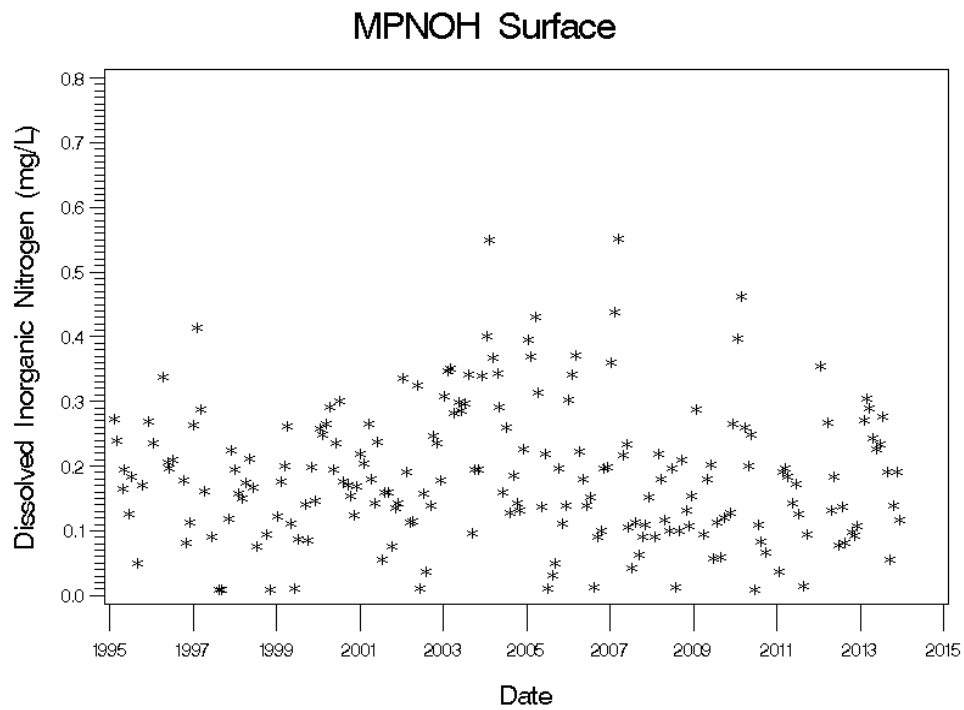
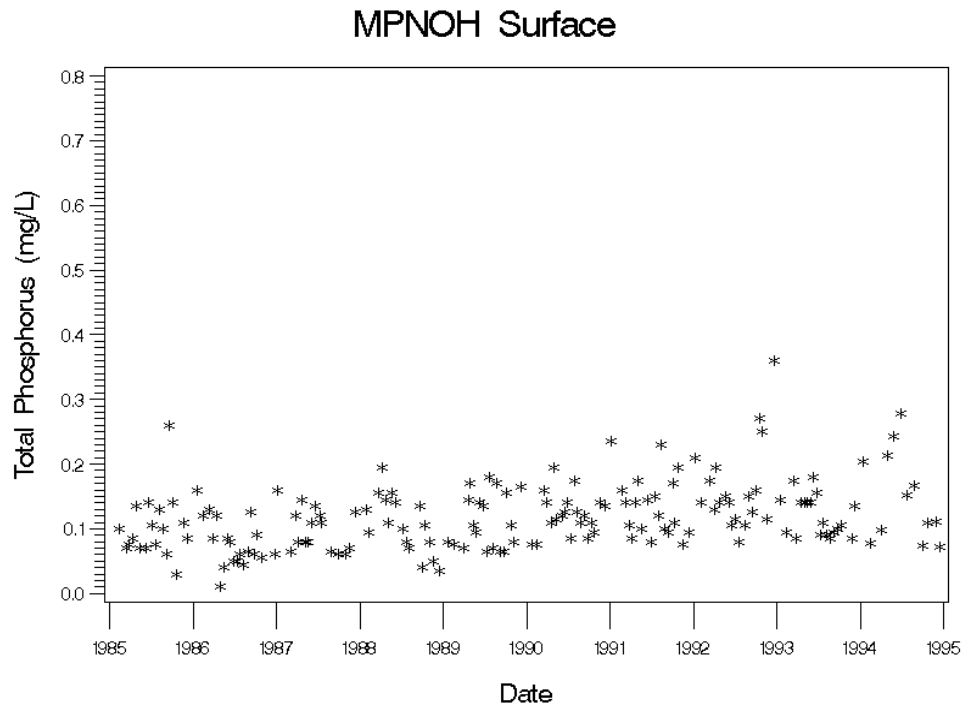


Figure 62. Scatterplots of surface dissolved inorganic nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

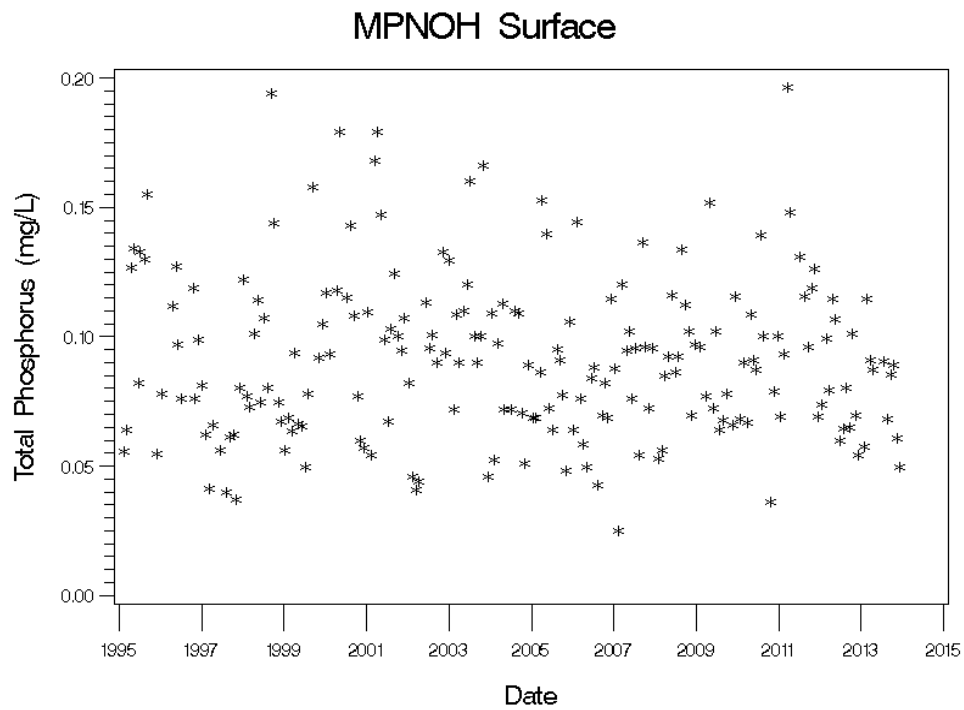
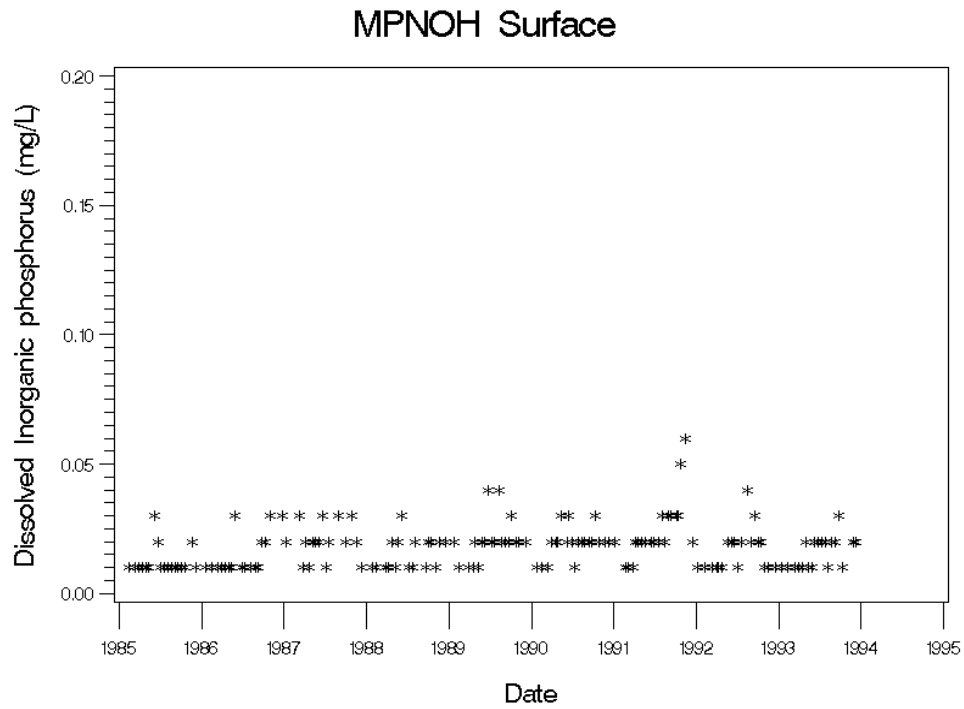


Figure 63. Scatterplots of surface total phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

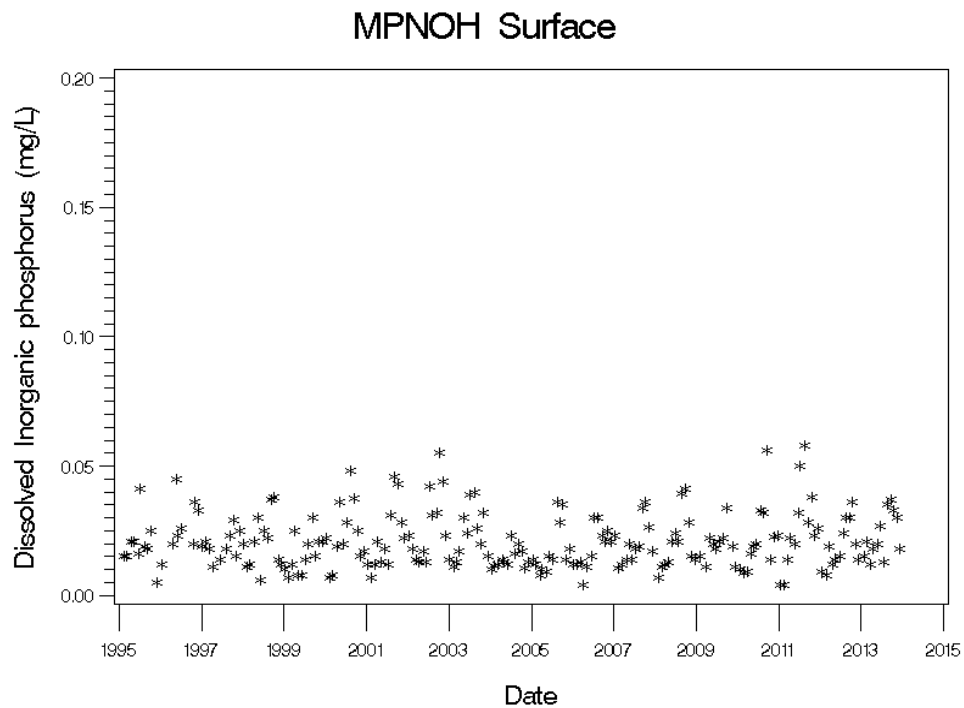


Figure 64. Scatterplots of surface dissolved inorganic phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

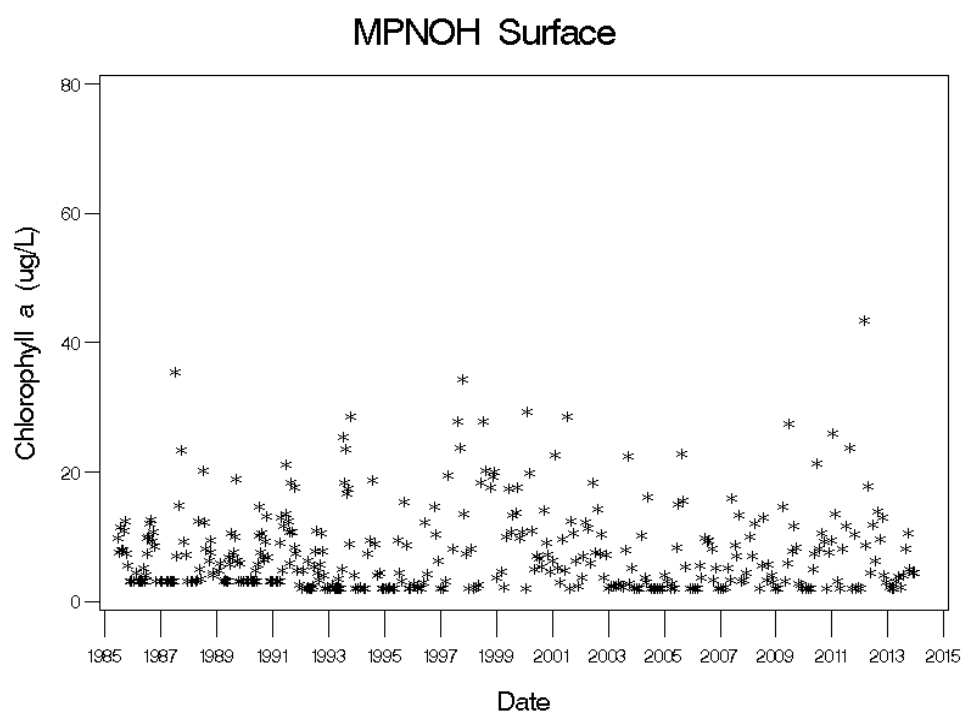


Figure 65. Scatterplot of surface chlorophyll a at segment MPNOH during the period 1985 to 2013.

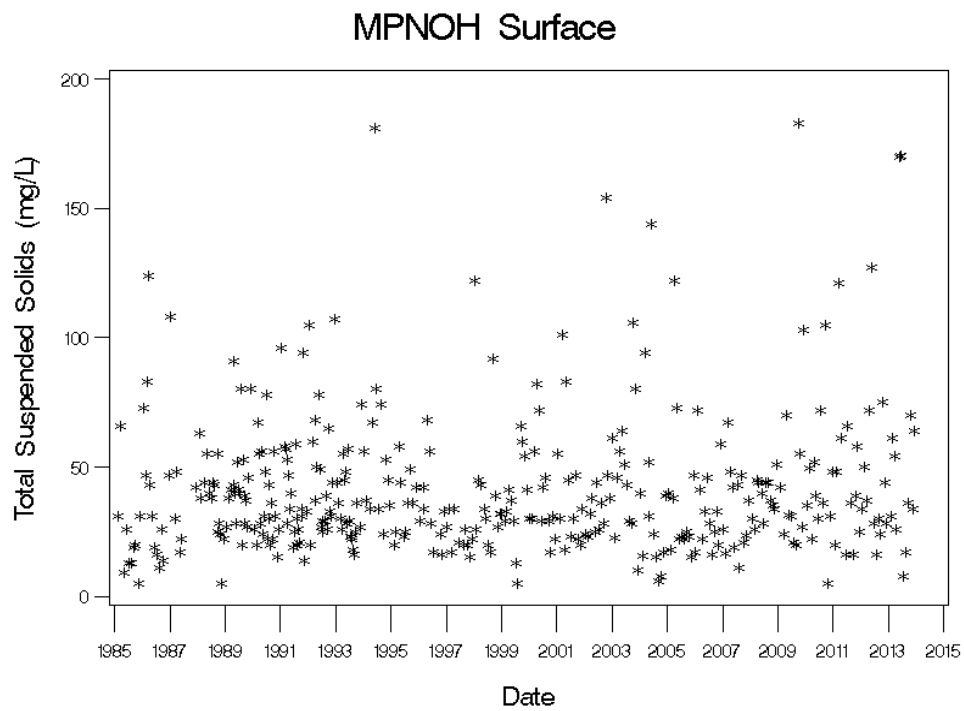


Figure 66. Scatterplot of surface total suspended solids at segment MPNOH during the period 1985 to 2013.

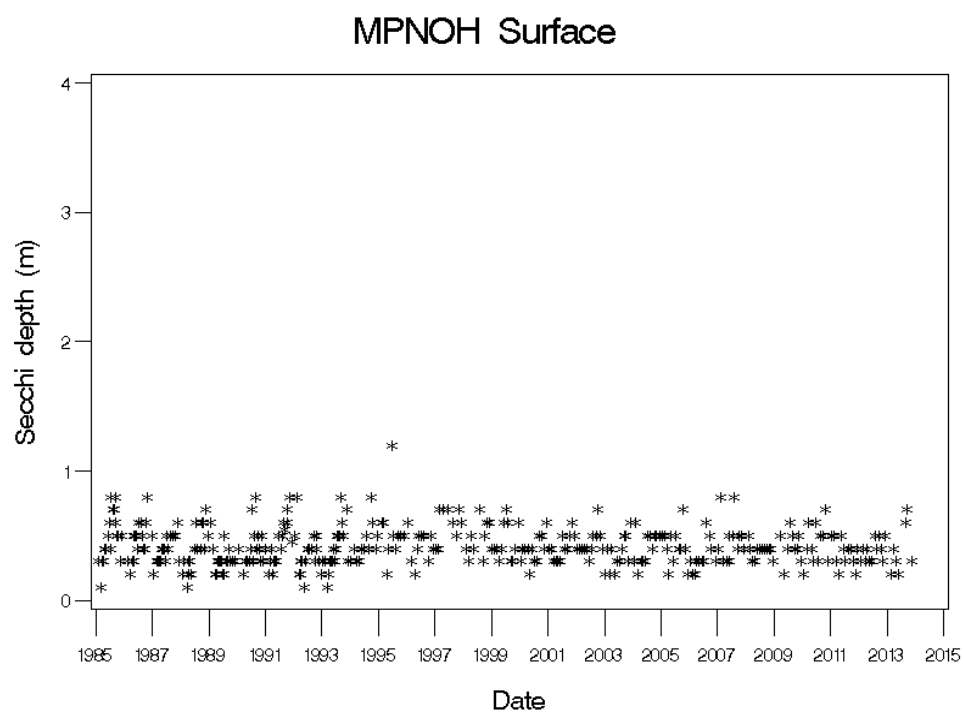


Figure 67. Scatterplot of secchi depth at segment MPNOH during the period 1985 to 2013.

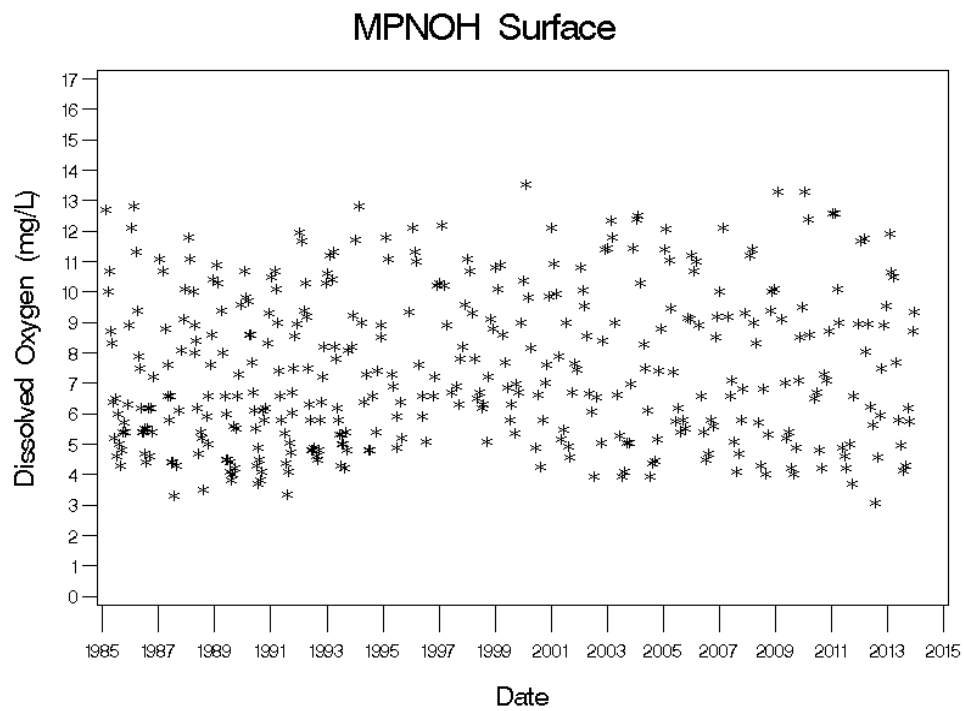


Figure 68. Scatterplot of surface dissolved oxygen at segment MPNOH during the period 1985 to 2013.

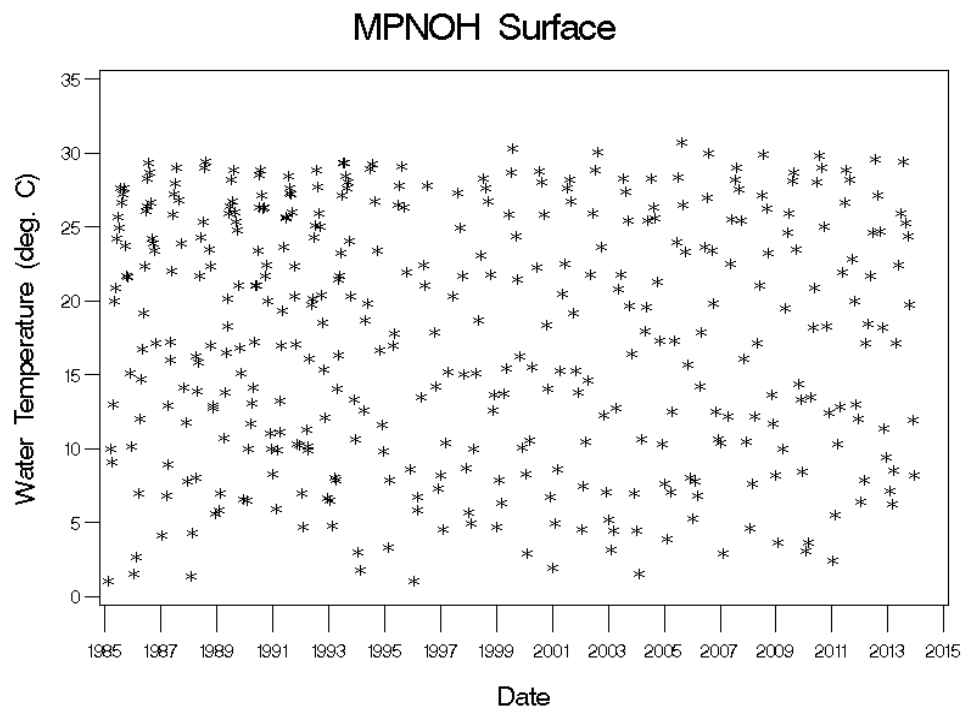


Figure 69. Scatterplot of surface water temperature at segment MPNOH during the period 1985 to 2013.

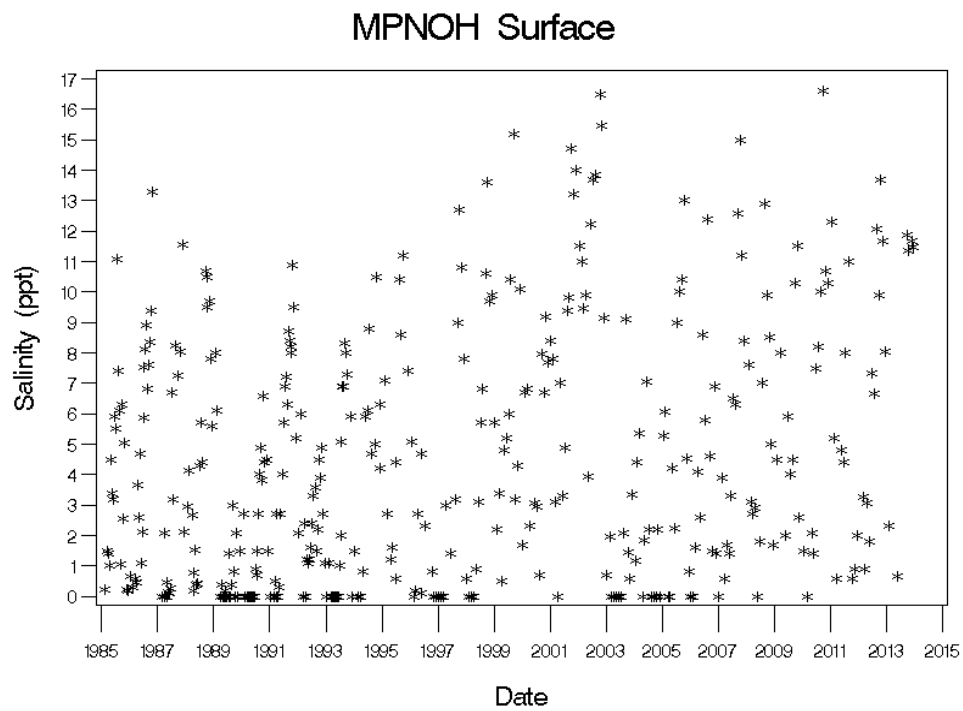


Figure 70. Scatterplot of surface salinity at segment MPNOH during the period 1985 to 2013.

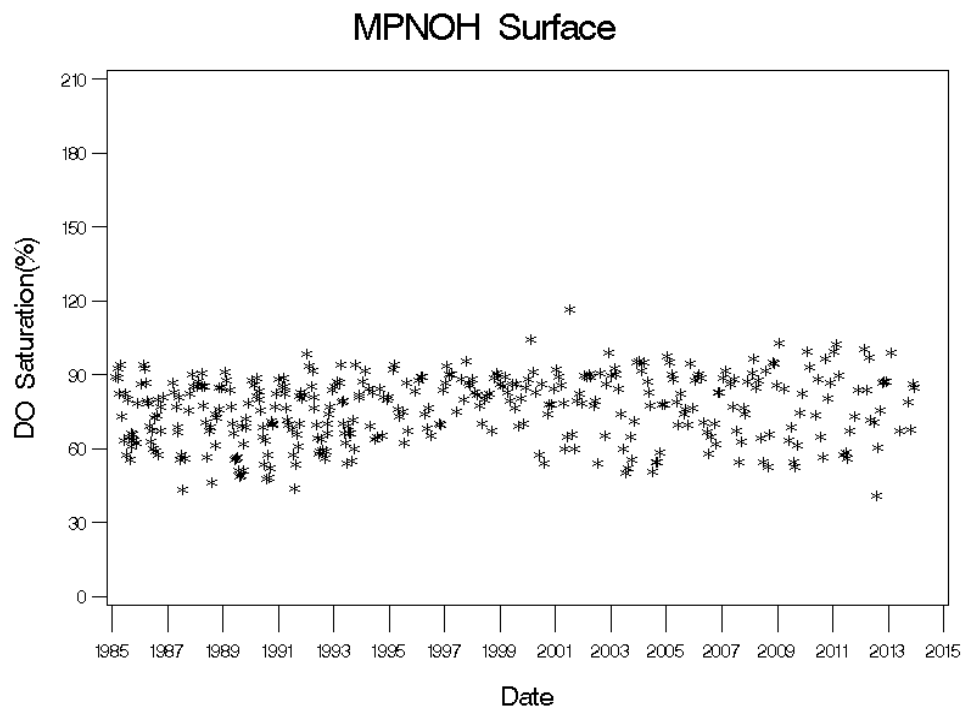
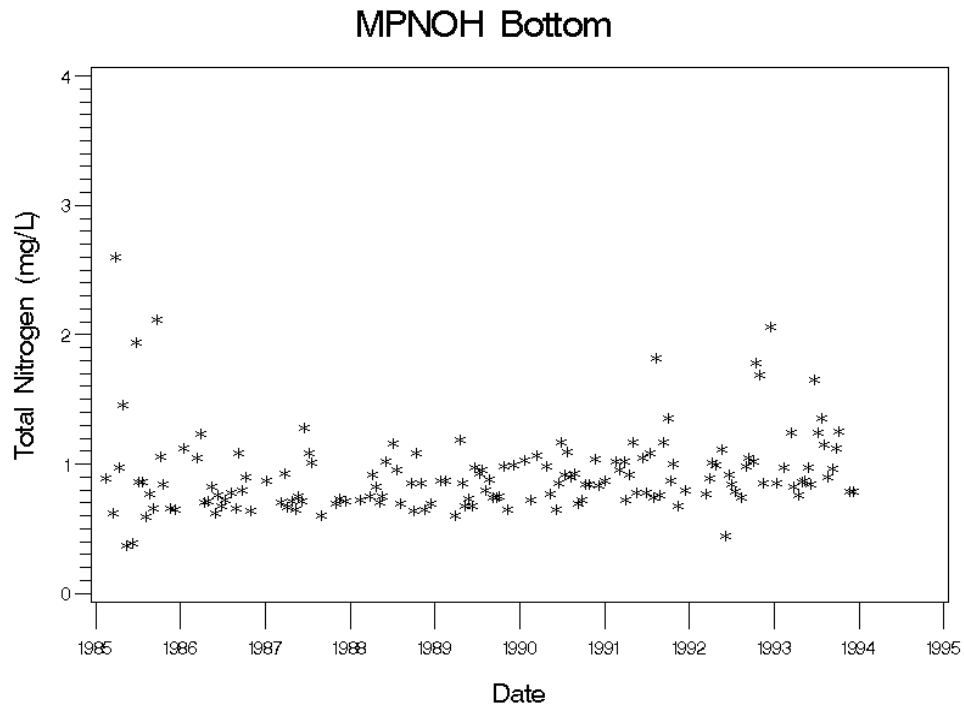


Figure 71. Scatterplot of surface DO saturation at segment MPNOH during the period 1985 to 2013.

a) Pre-method change period



b) Post-method change period

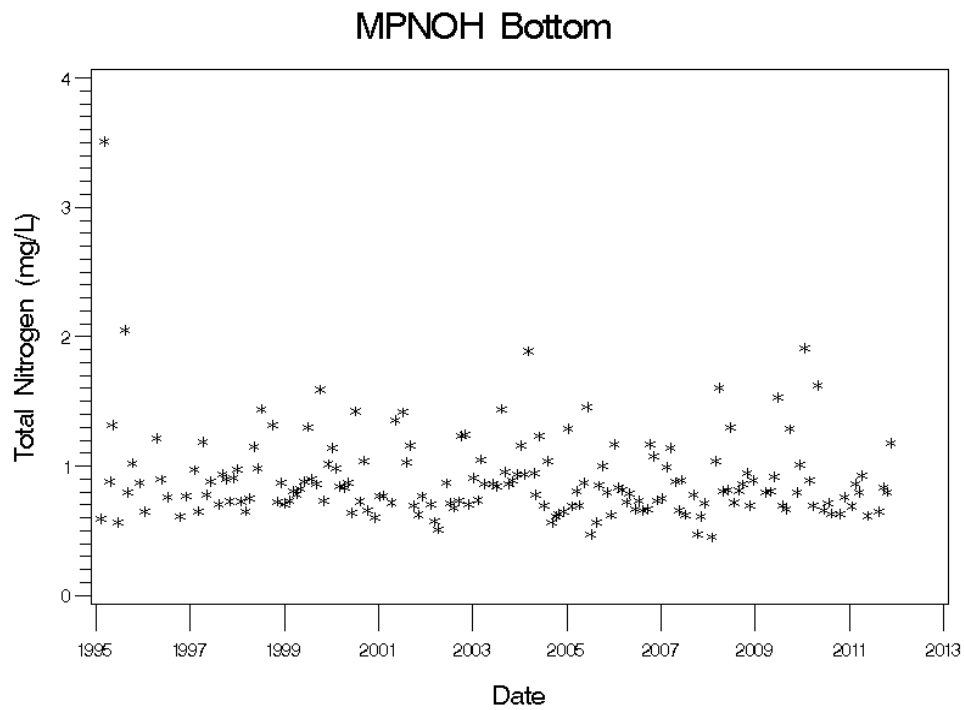
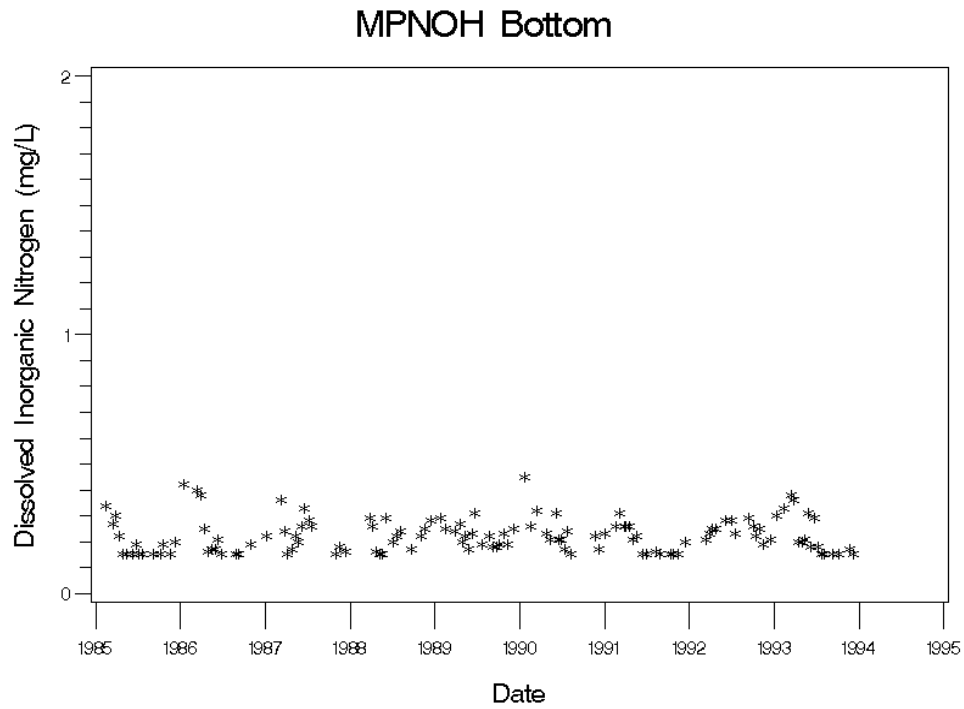


Figure 72. Scatterplots of bottom total nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

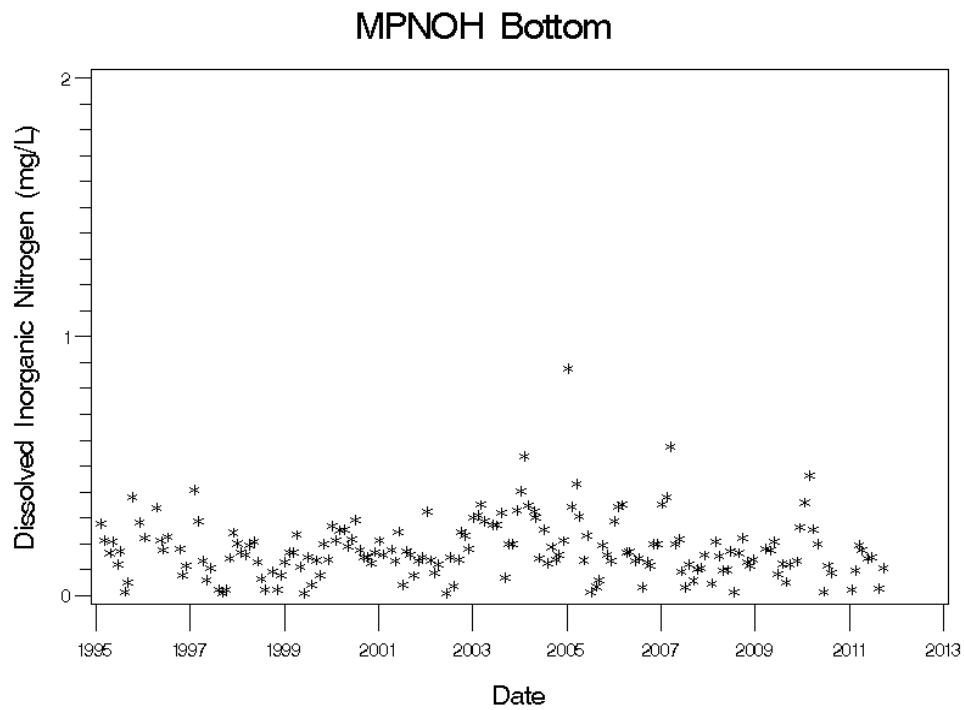
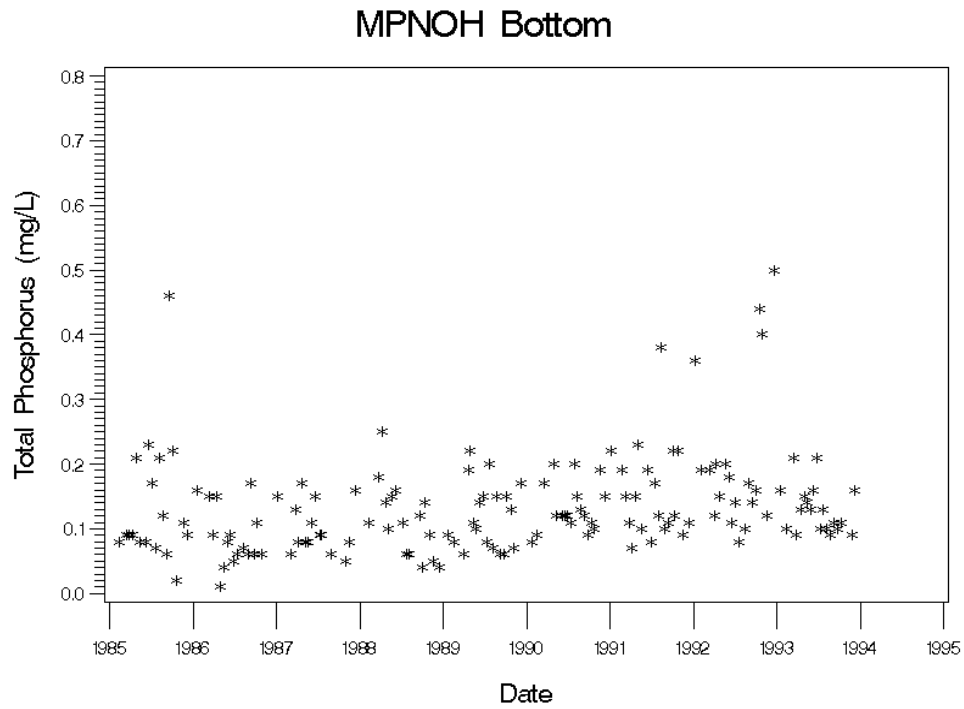


Figure 73. Scatterplots of bottom dissolved inorganic nitrogen at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

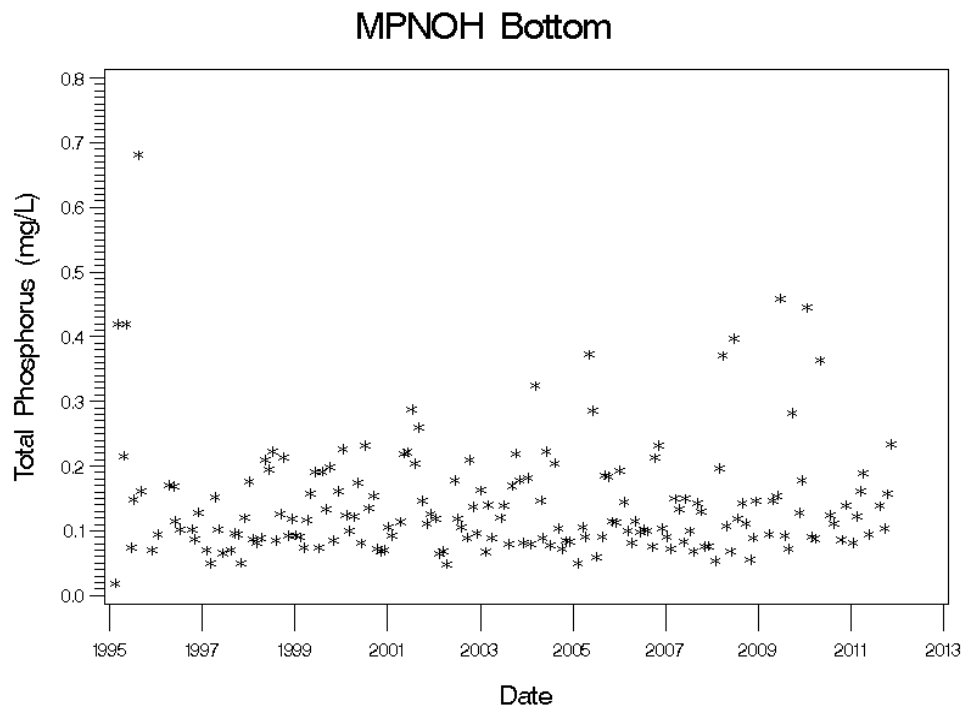
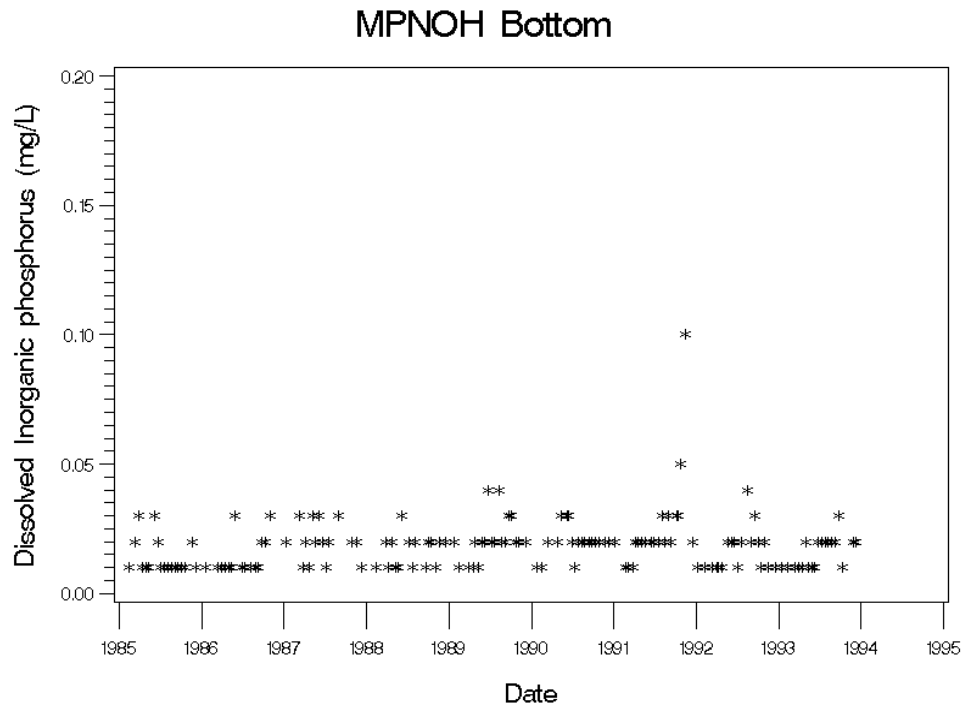


Figure 74. Scatterplots of bottom total phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

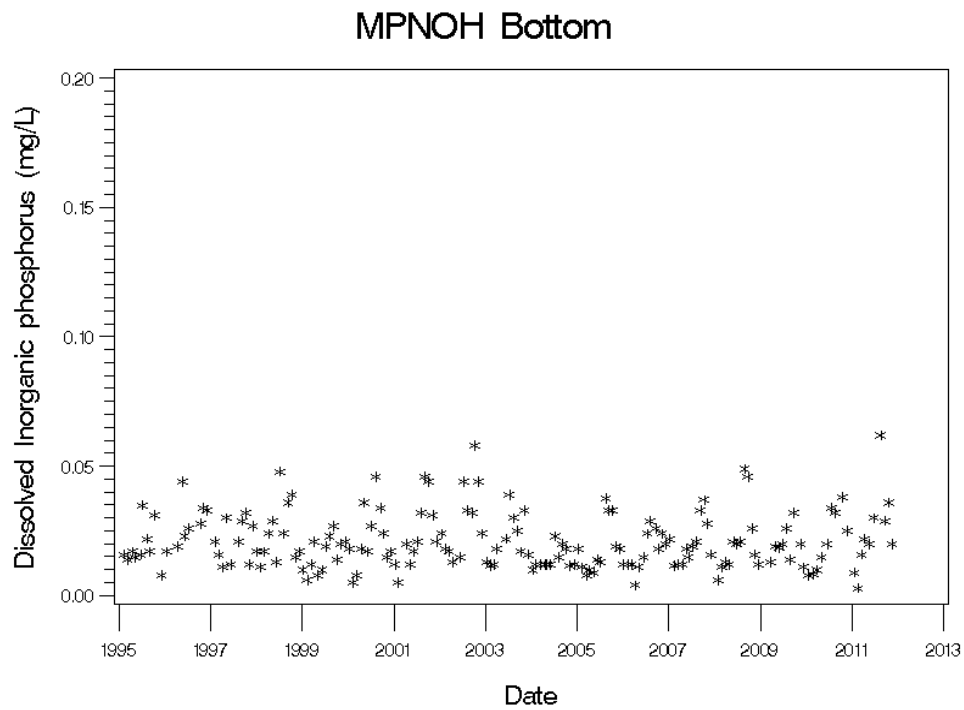


Figure 75. Scatterplots of bottom dissolved inorganic phosphorus at segment MPNOH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

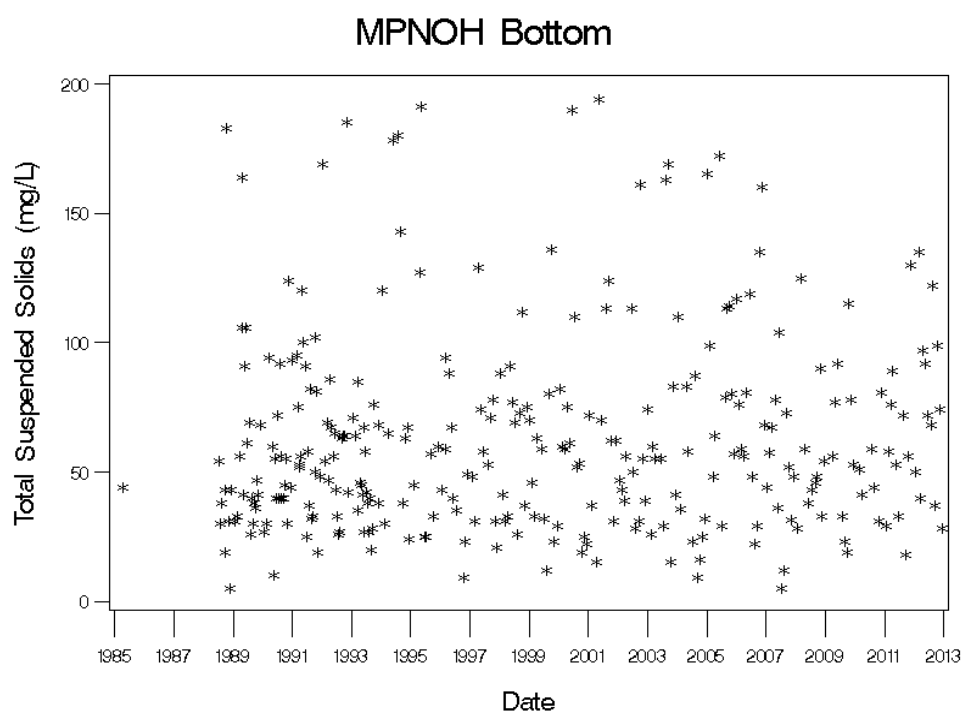


Figure 76. Scatterplot of bottom total suspended solids at segment MPNOH during the period 1985 to 2013.

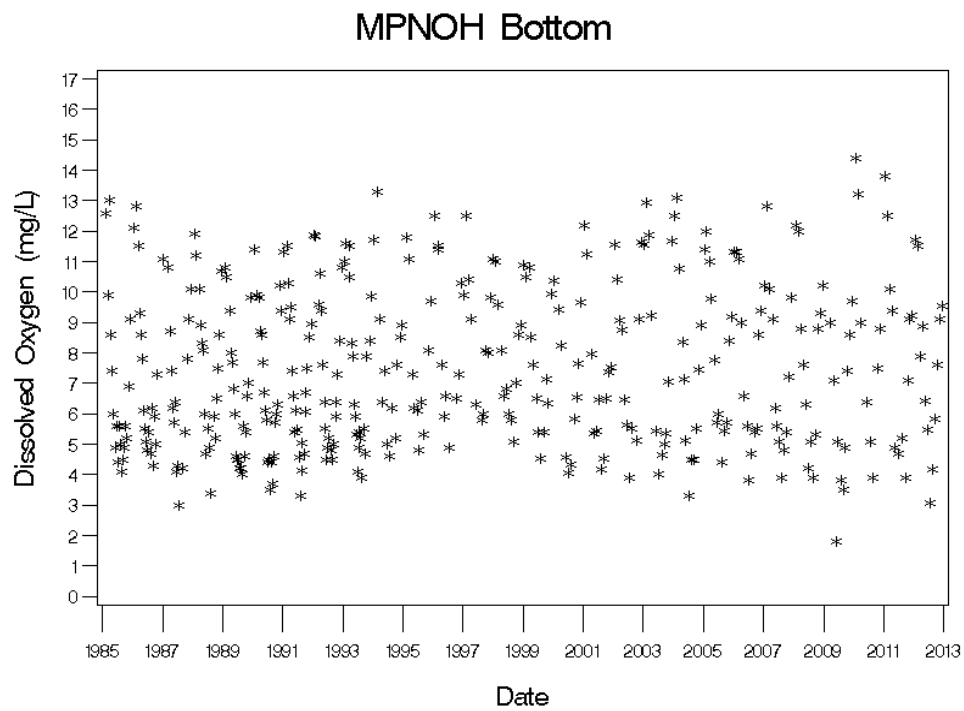


Figure 77. Scatterplot of bottom dissolved oxygen at segment MPNOH during the period 1985 to 2013.

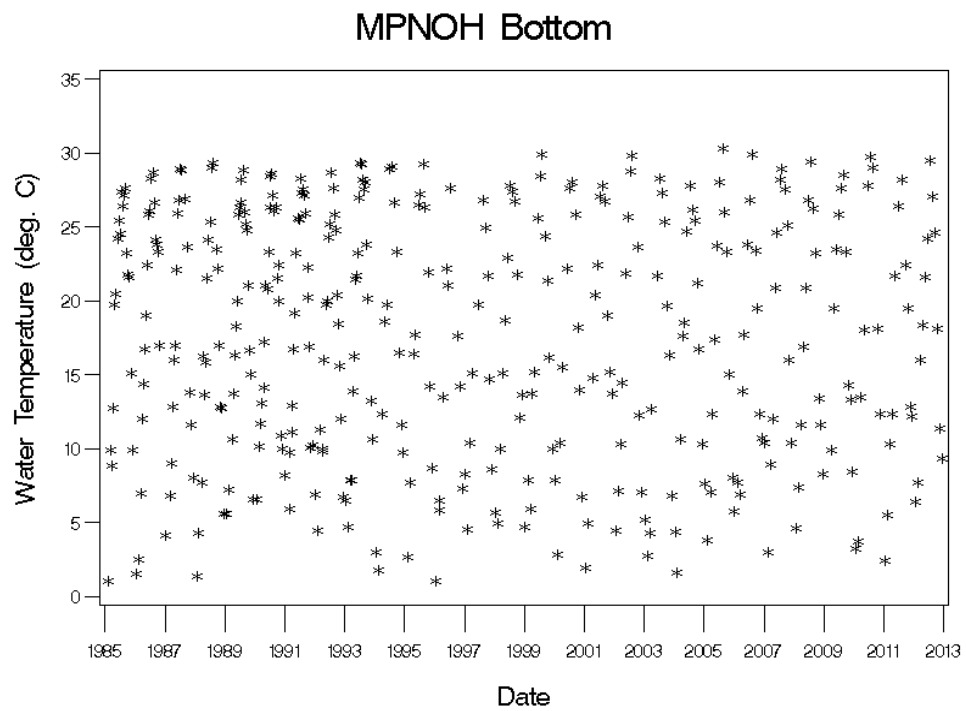


Figure 78. Scatterplot of bottom water temperature at segment MPNOH during the period 1985 to 2013.

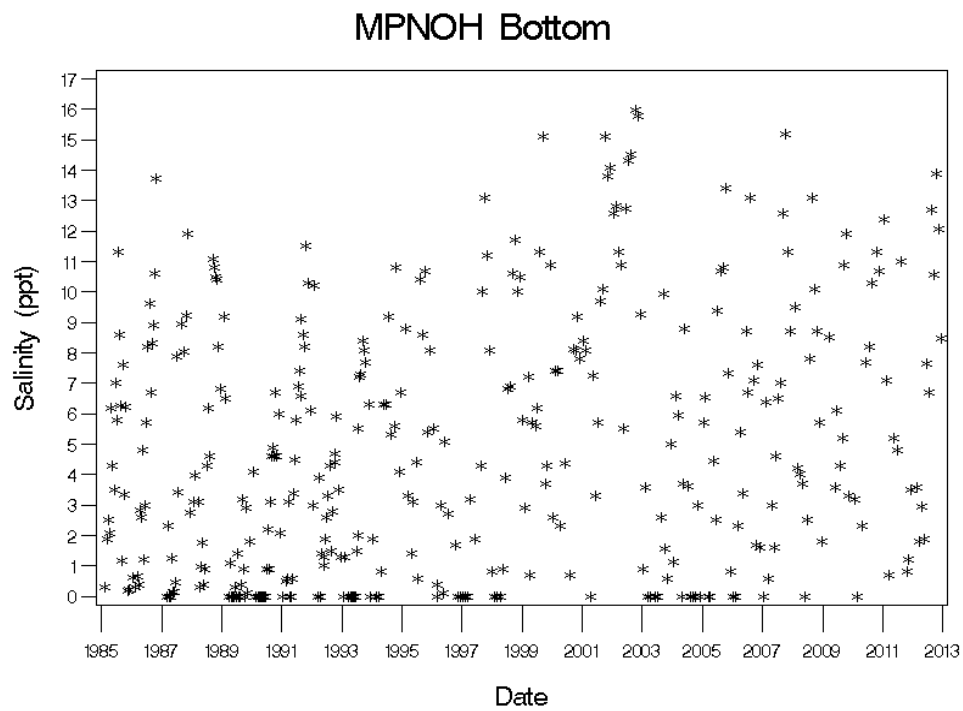


Figure 79. Scatterplot of bottom salinity at segment MPNOH during the period 1985 to 2013.

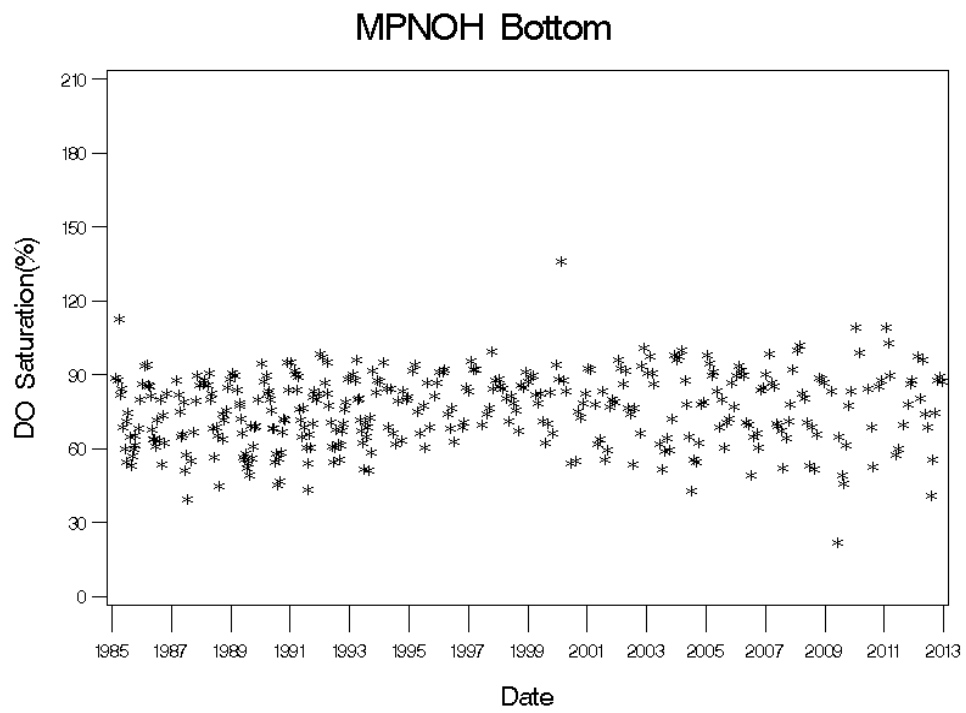
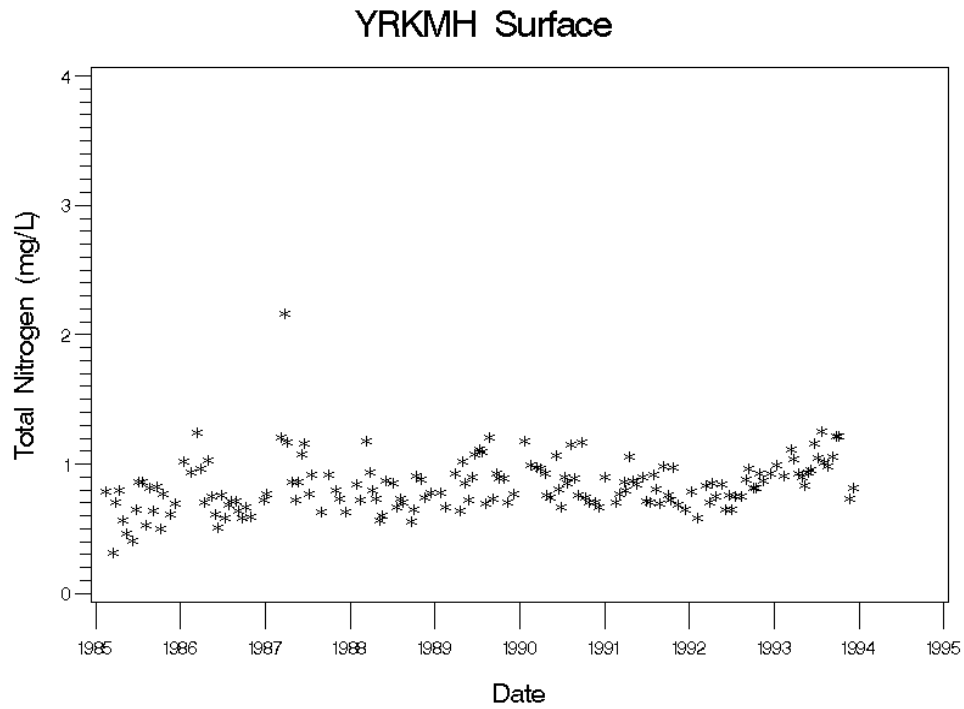


Figure 80. Scatterplot of bottom DO saturation at segment MPNOH during the period 1985 to 2013.

a) Pre-method change period



b) Post-method change period

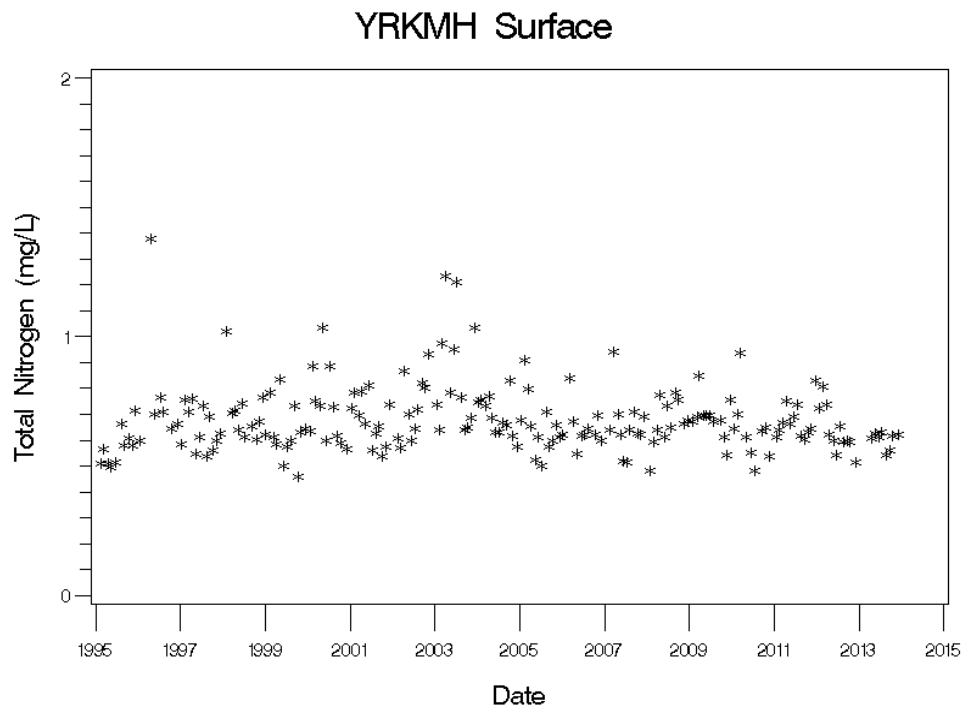
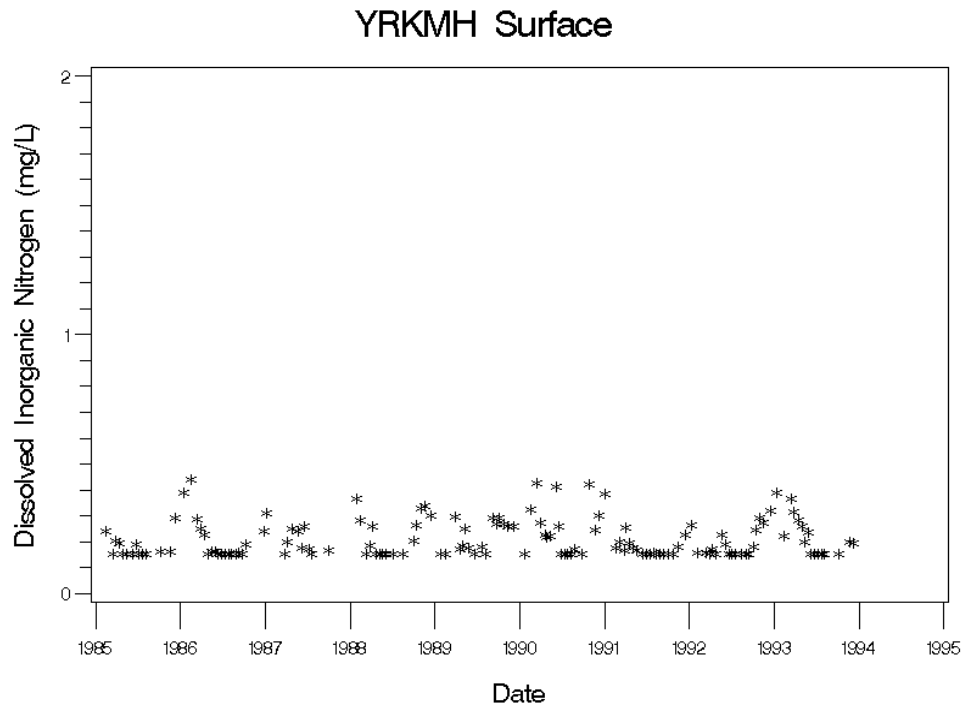


Figure 81. Scatterplots of surface total nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

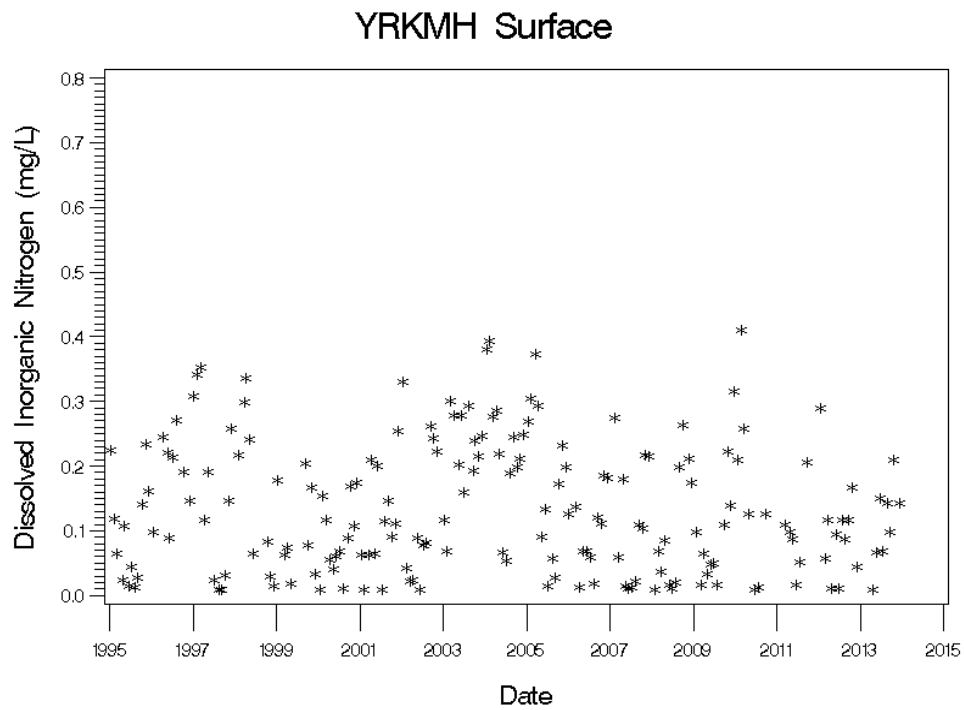
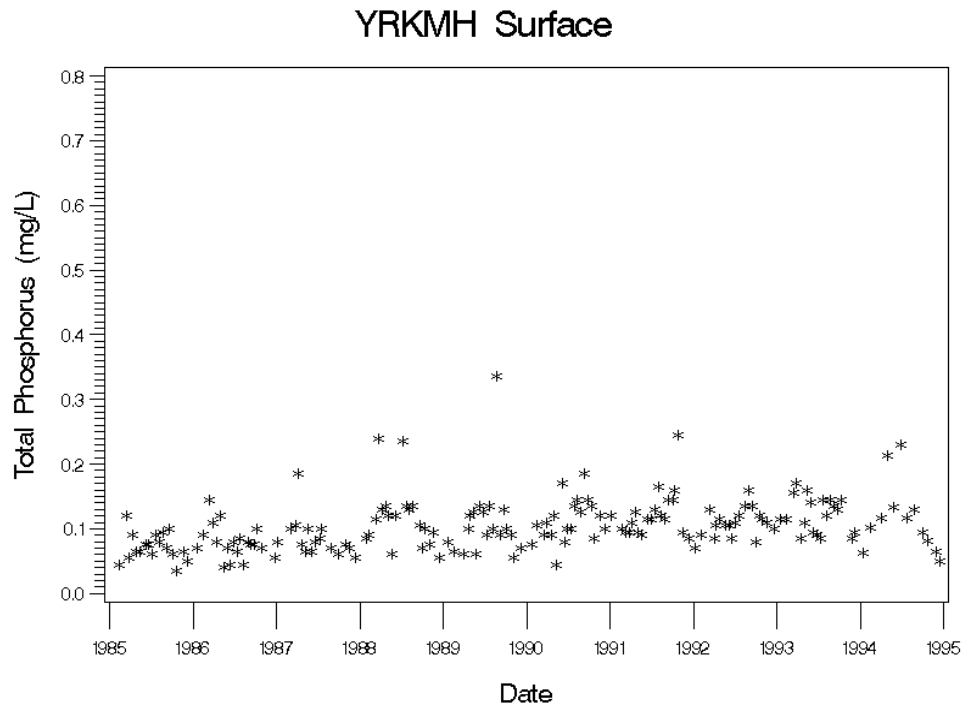


Figure 82. Scatterplots of surface dissolved inorganic nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

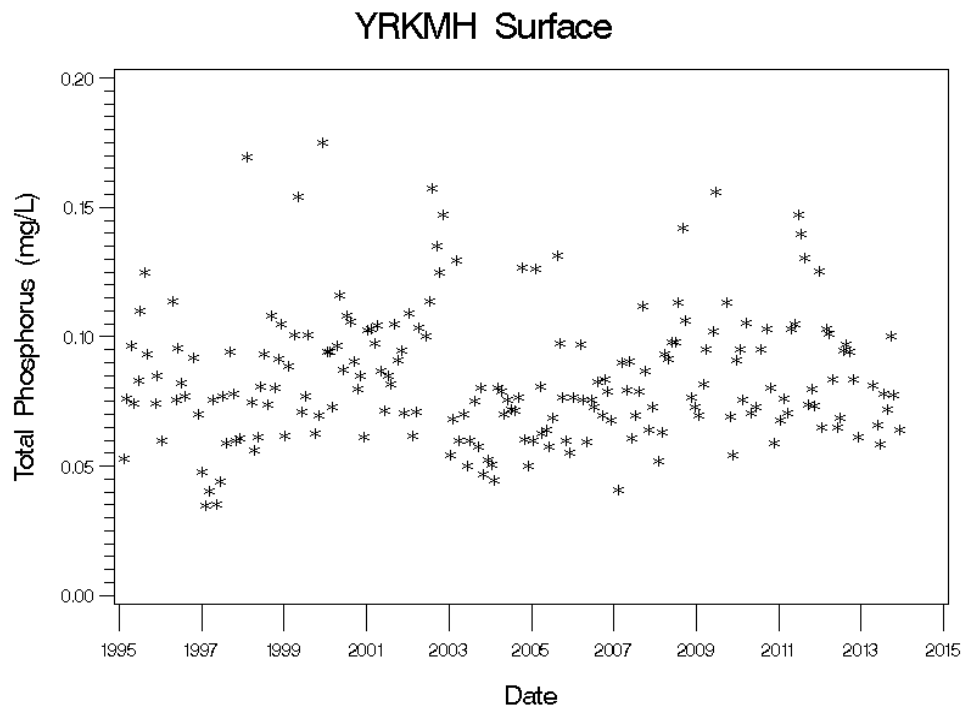
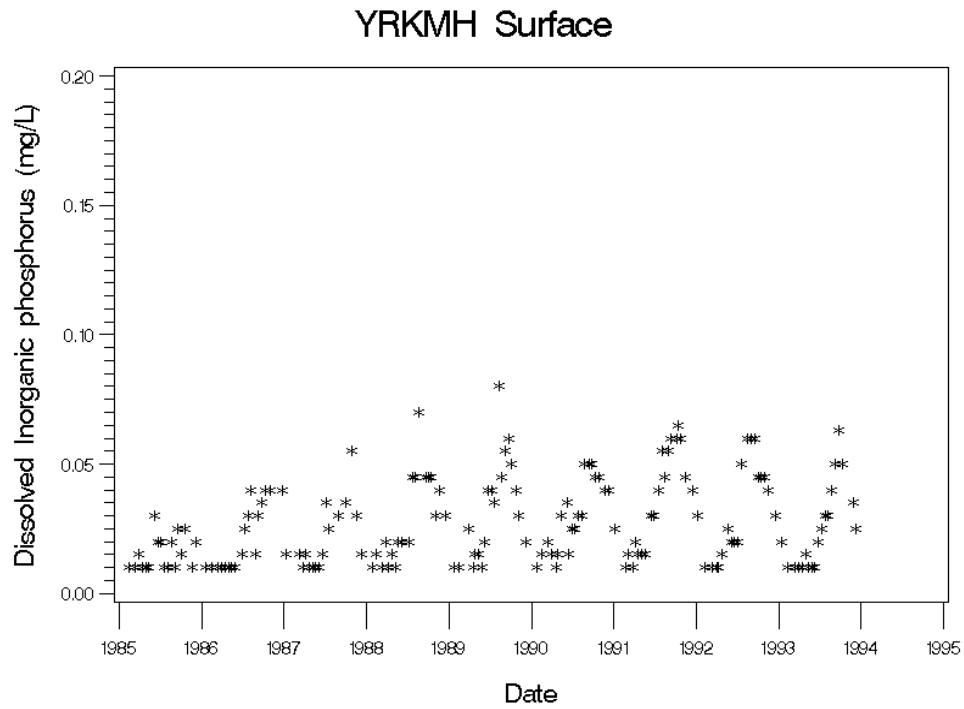


Figure 83. Scatterplots of surface total phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

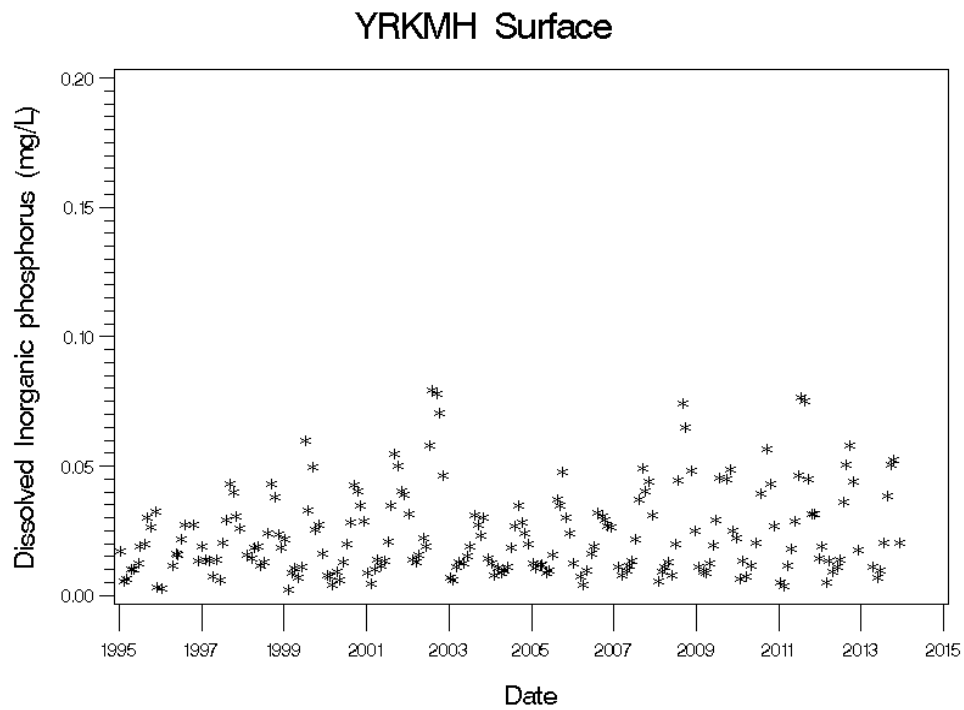


Figure 84. Scatterplots of surface dissolved inorganic phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

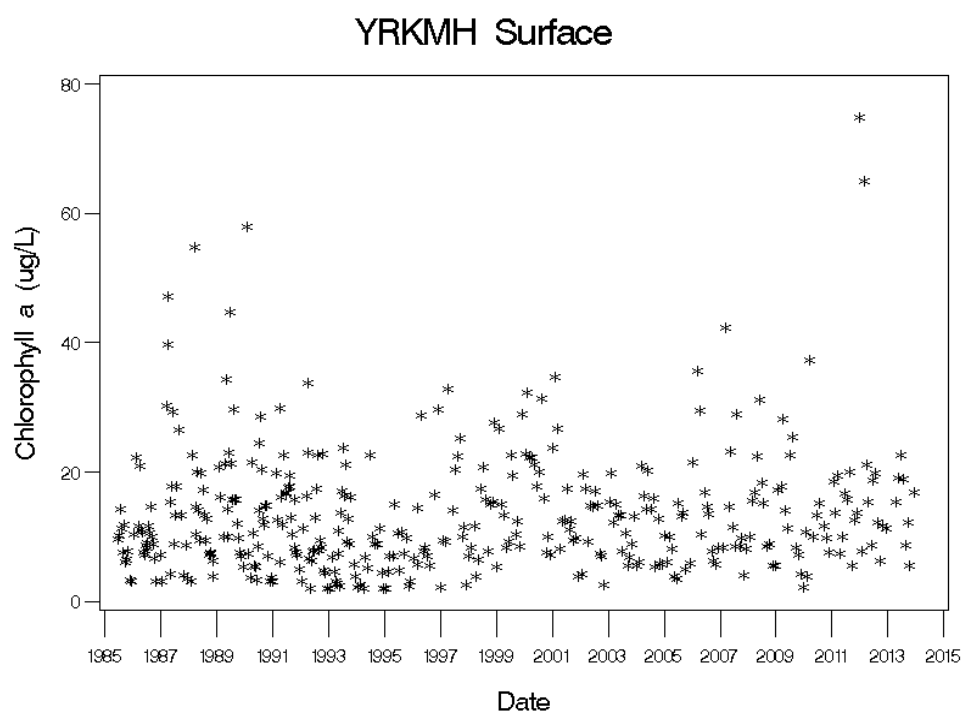


Figure 85. Scatterplot of surface chlorophyll a at segment YRKMH during the period 1985 to 2013.

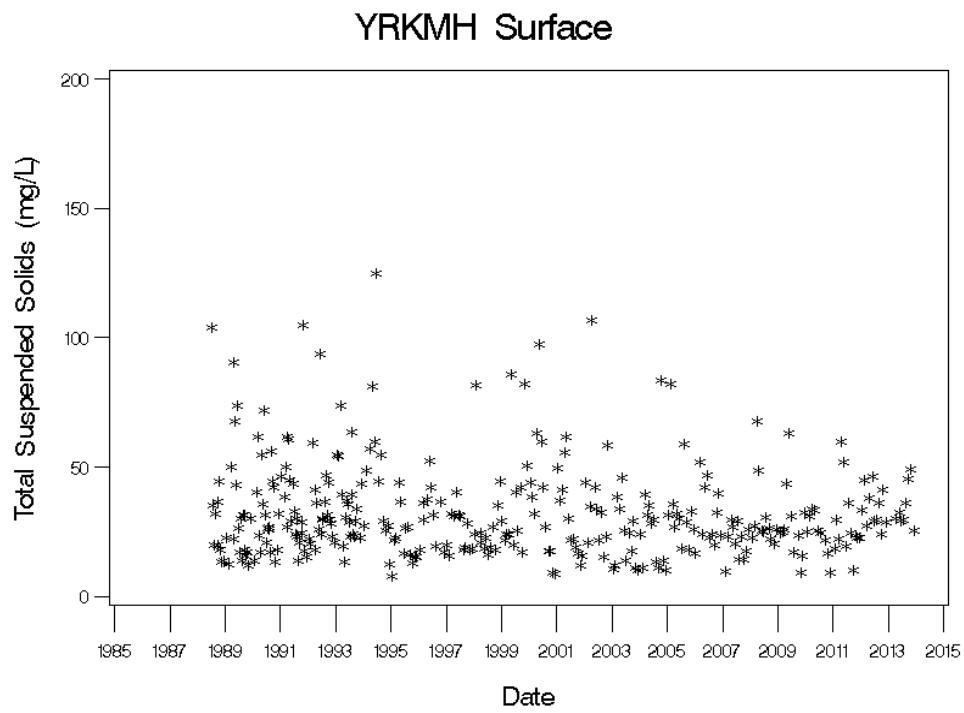


Figure 86. Scatterplot of surface total suspended solids at segment YRKMH during the period 1985 to 2013.

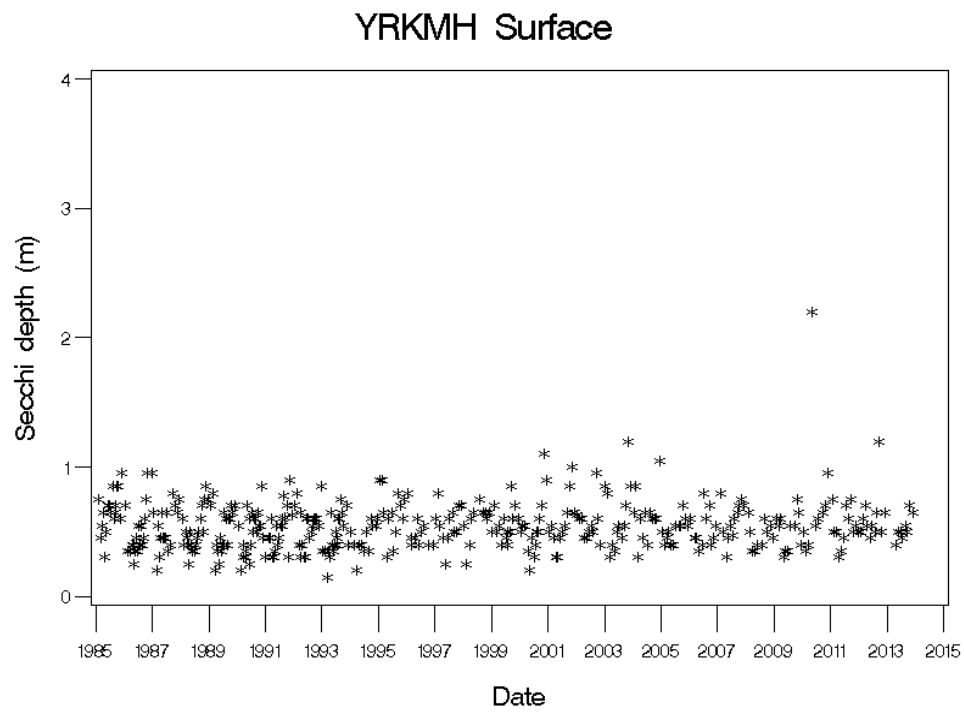


Figure 87. Scatterplot of secchi depth at segment YRKMH during the period 1985 to 2013.

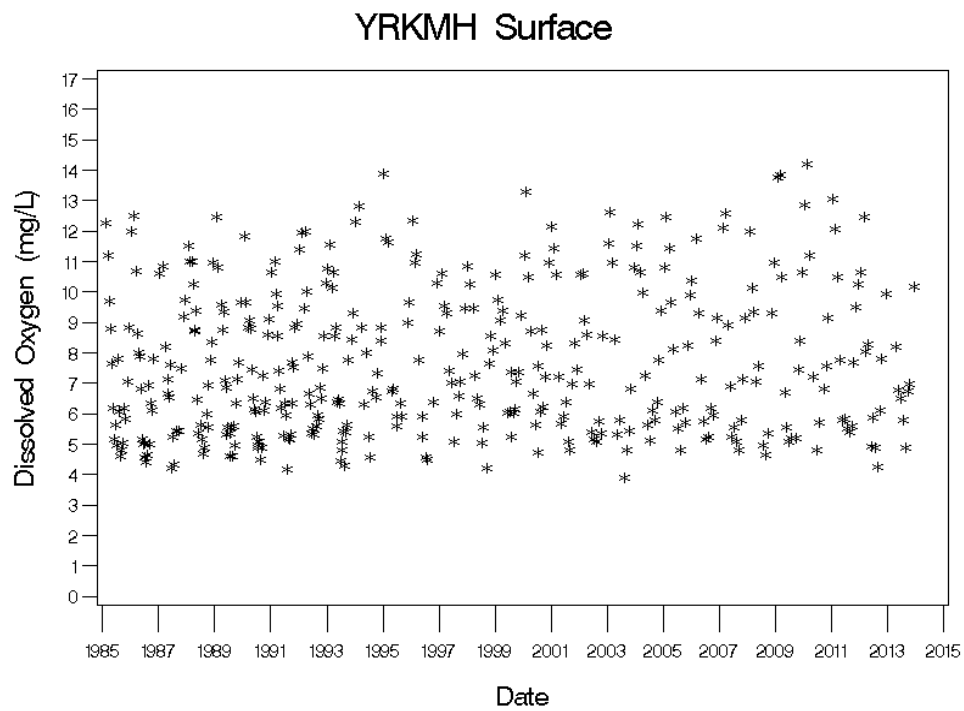


Figure 88. Scatterplot of surface dissolved oxygen at segment YRKMH during the period 1985 to 2013.

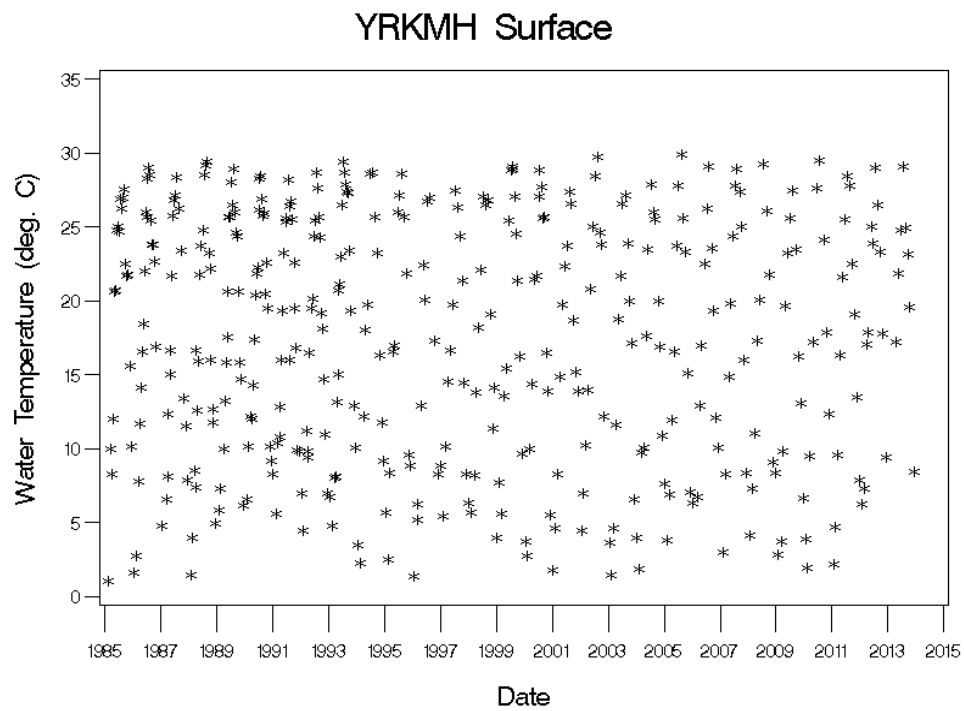


Figure 89. Scatterplot of surface water temperature at segment YRKMH during the period 1985 to 2013.

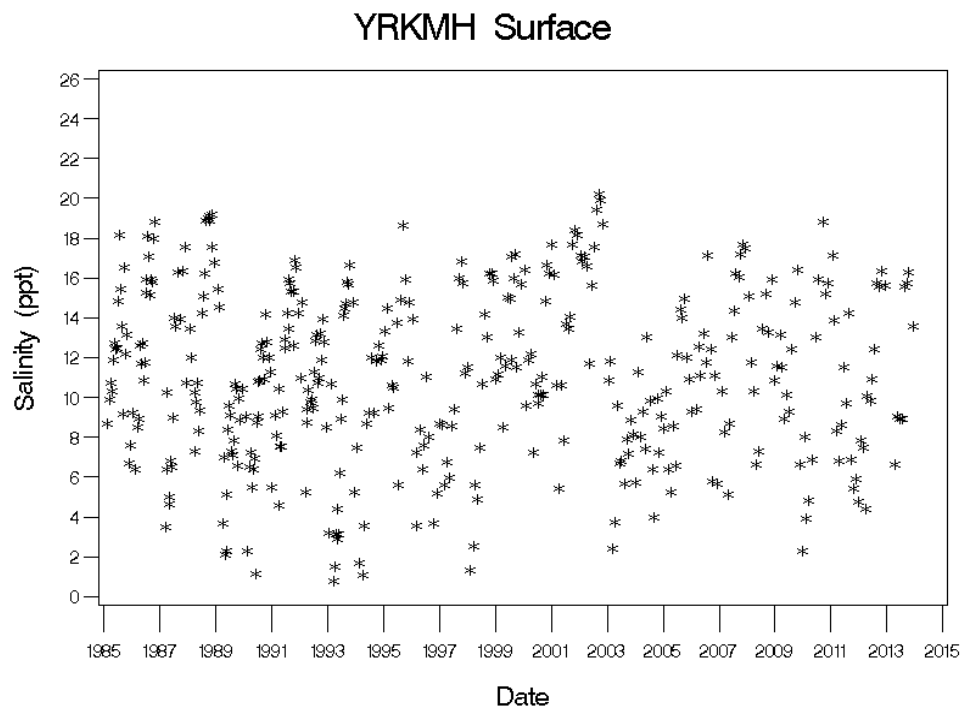


Figure 90. Scatterplot of surface salinity at segment YRKMH during the period 1985 to 2013.

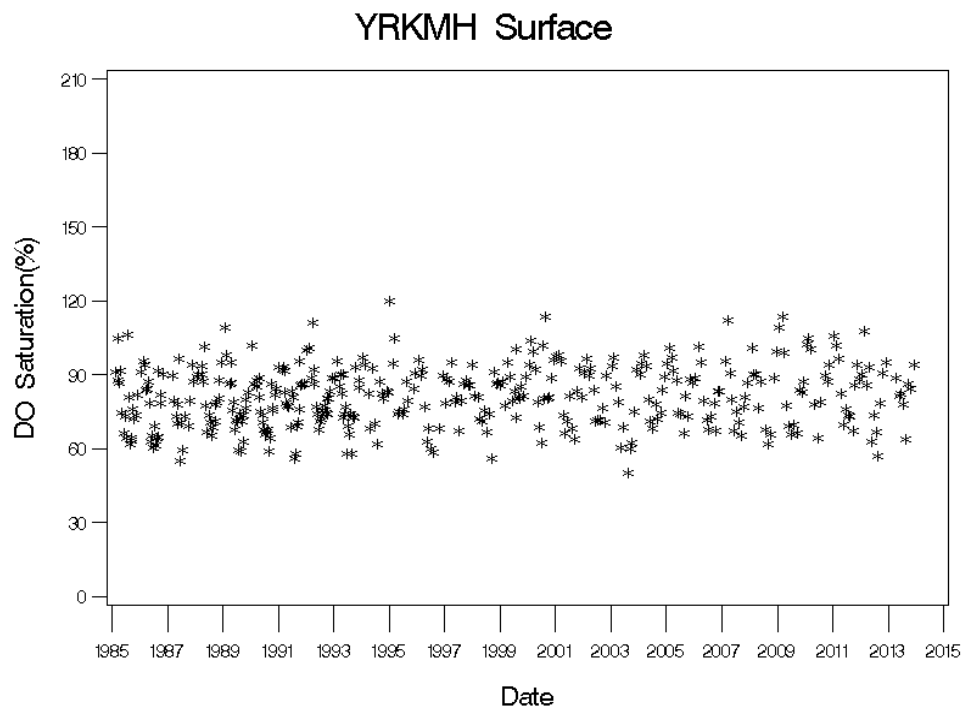
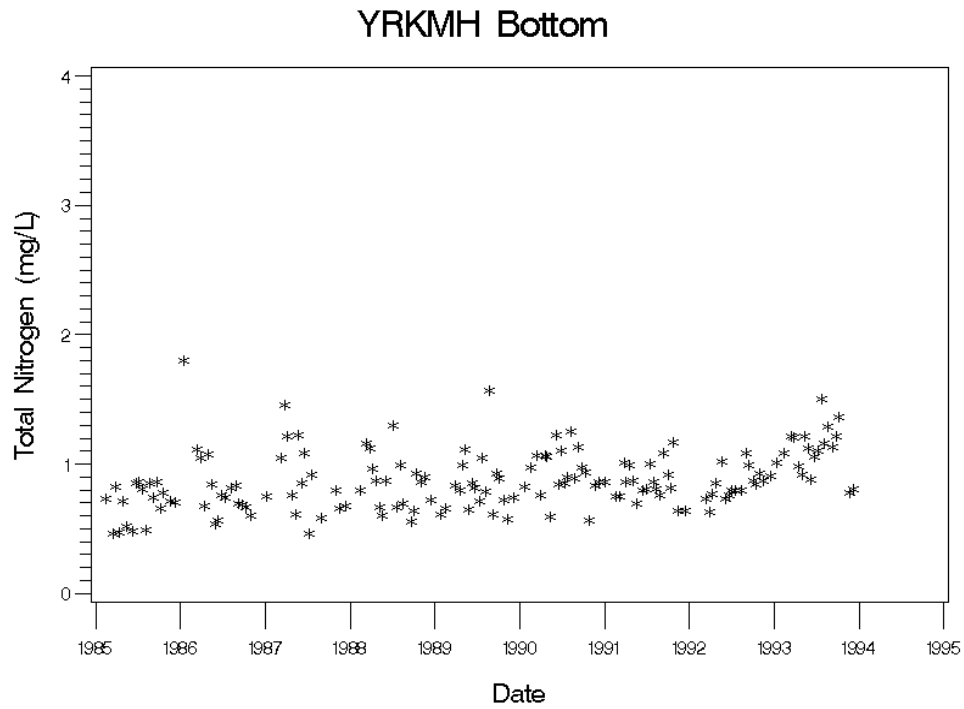


Figure 91. Scatterplot of surface DO saturation at segment YRKMH during the period 1985 to 2013.

a) Pre-method change period



b) Post-method change period

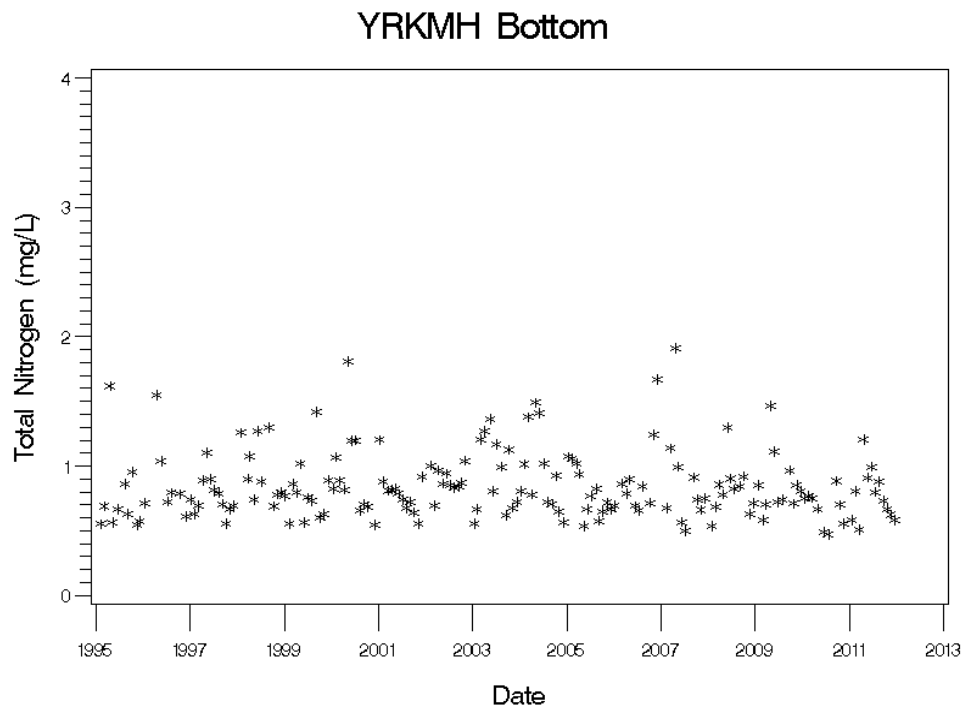
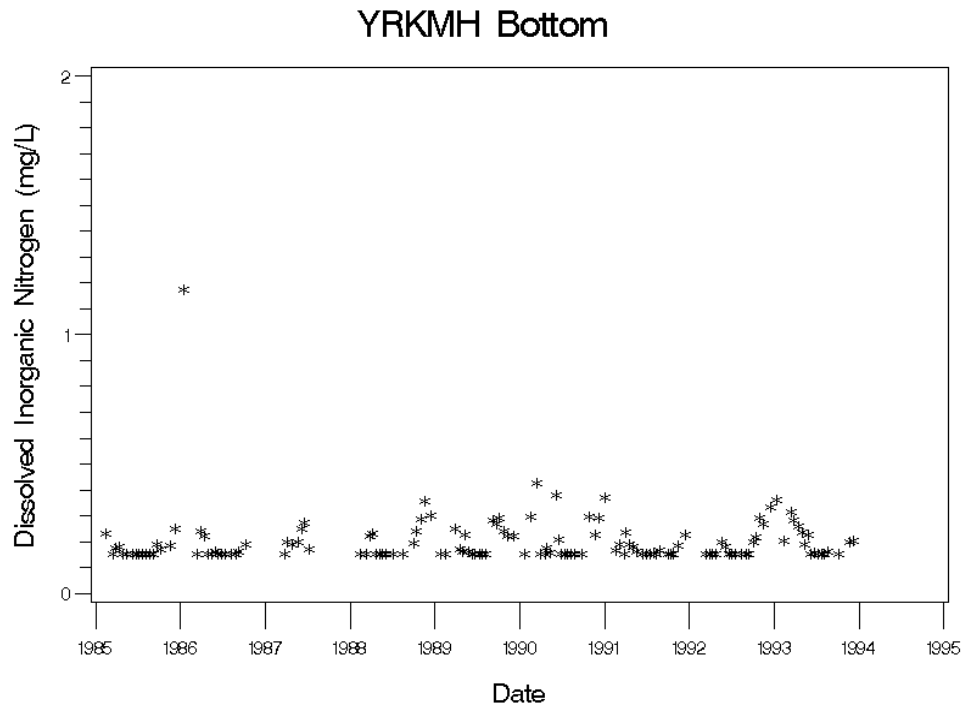


Figure 92. Scatterplots of bottom total nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

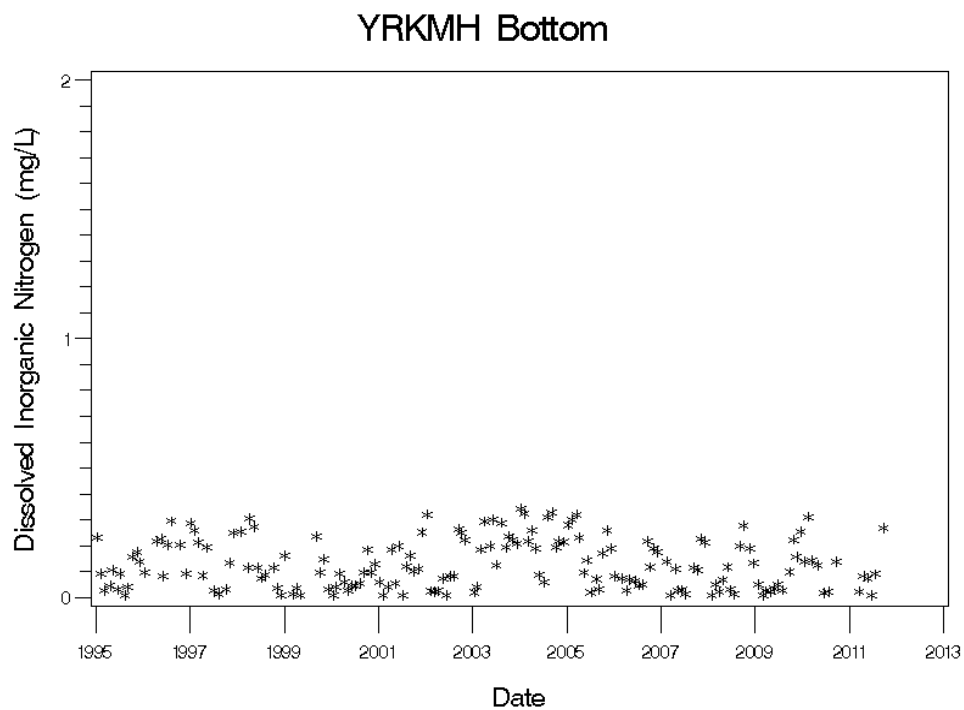
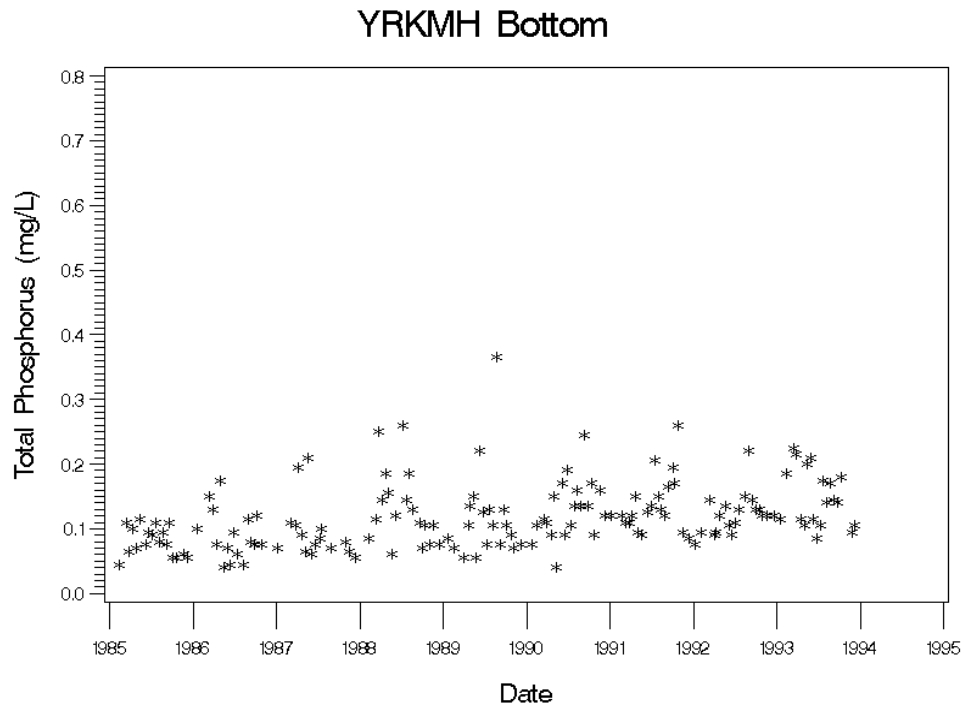


Figure 93. Scatterplots of bottom dissolved inorganic nitrogen at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

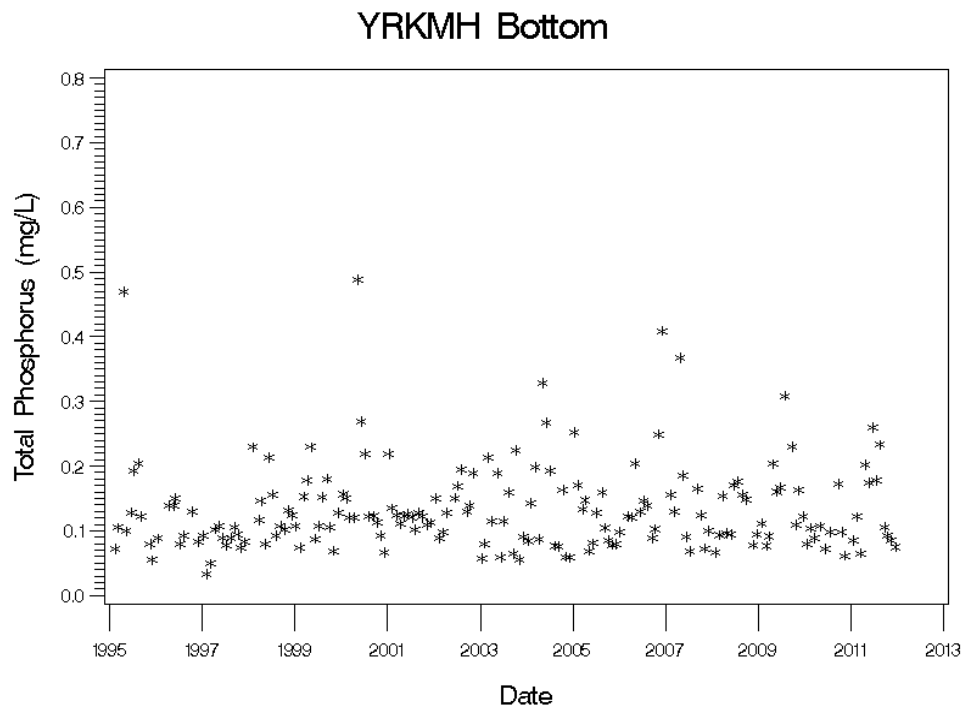
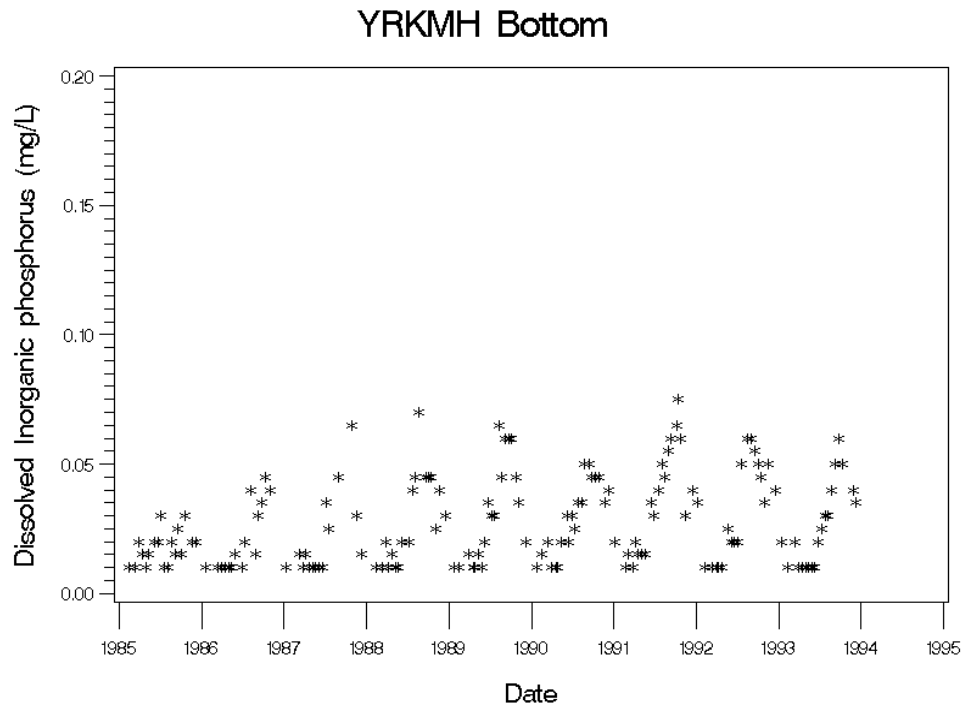


Figure 94. Scatterplots of bottom total phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

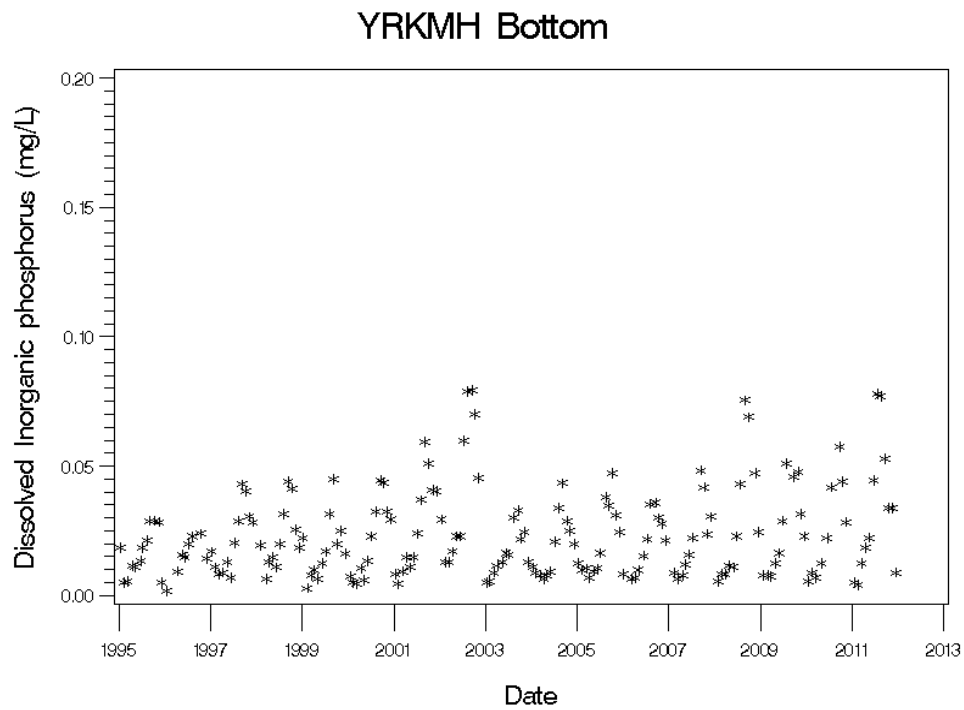


Figure 95. Scatterplots of bottom dissolved inorganic phosphorus at segment YRKMH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

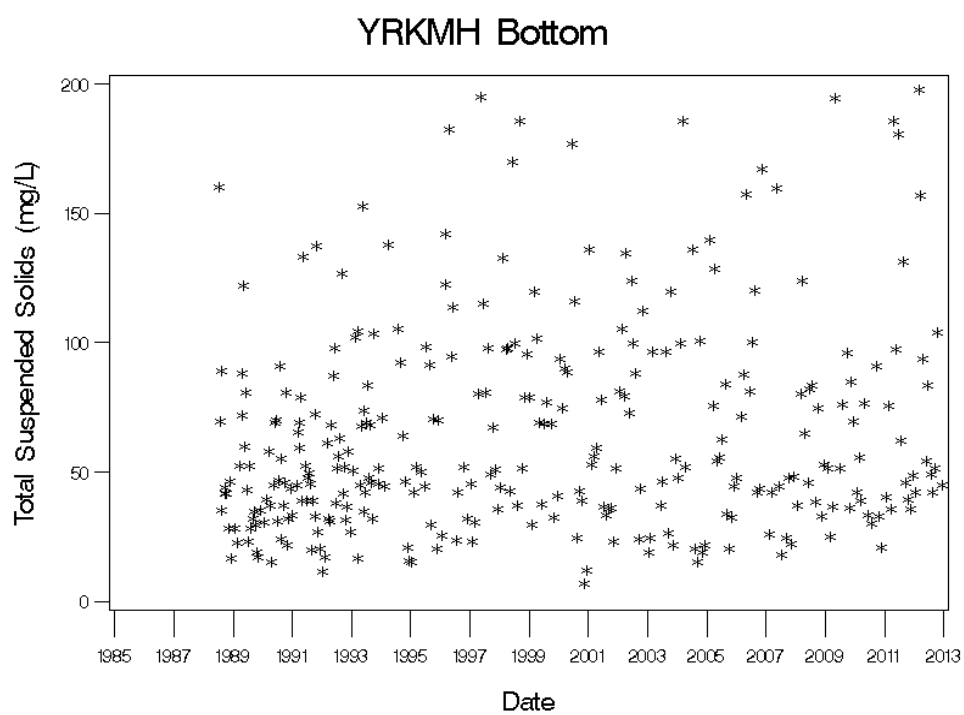


Figure 96. Scatterplot of bottom total suspended solids at segment YRKMH during the period 1985 to 2013.

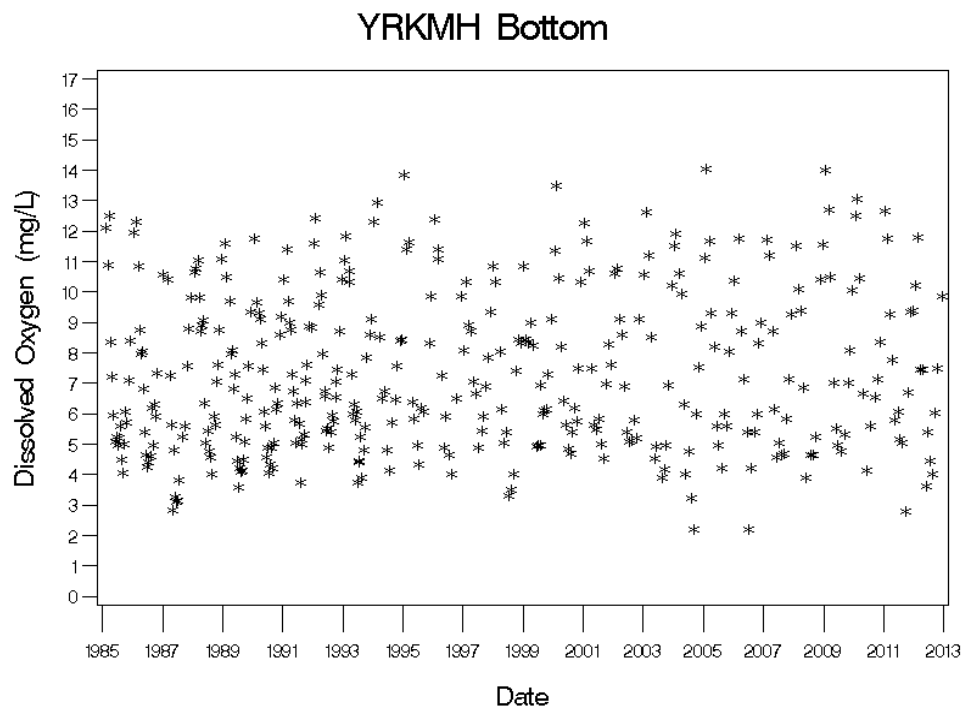


Figure 97. Scatterplot of bottom dissolved oxygen at segment YRKMH during the period 1985 to 2013.

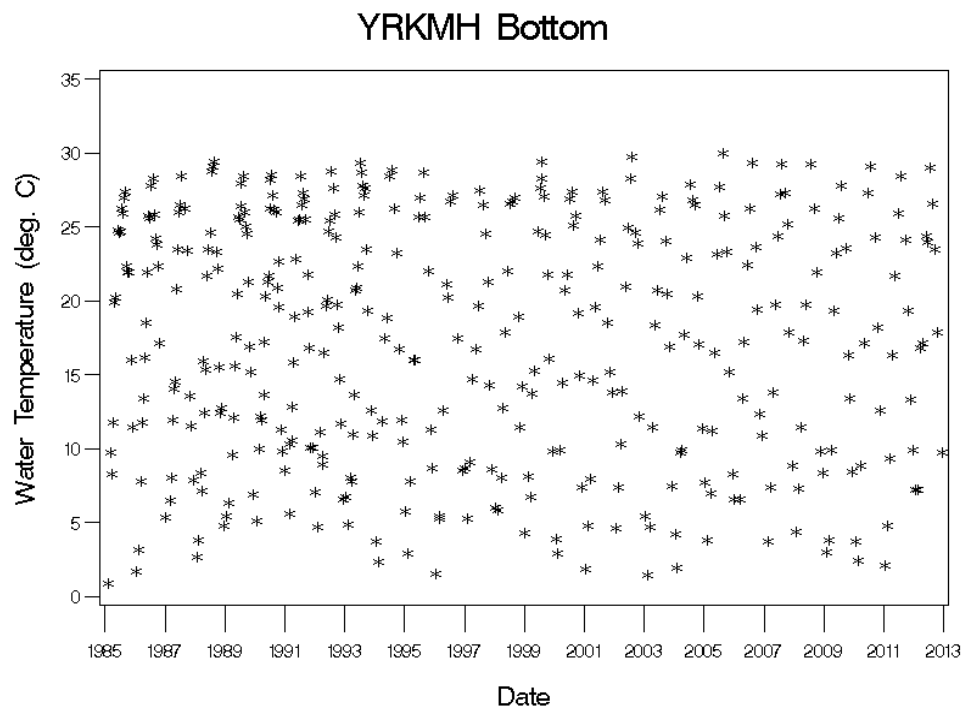


Figure 98. Scatterplot of bottom water temperature at segment YRKMH during the period 1985 to 2013.

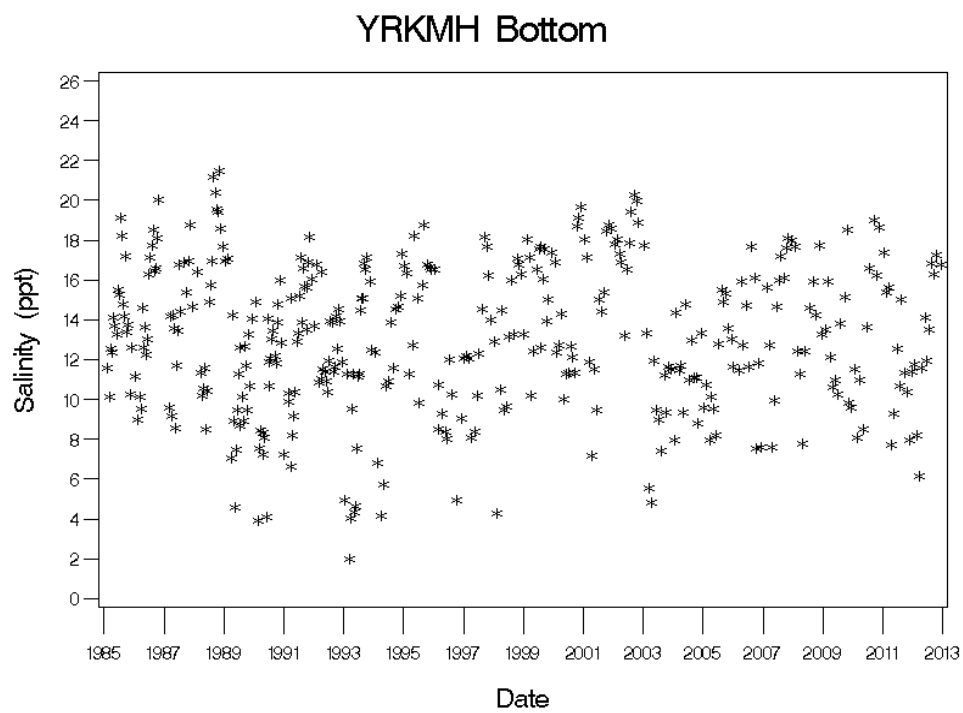


Figure 99. Scatterplot of bottom salinity at segment YRKMH during the period 1985 to 2013.

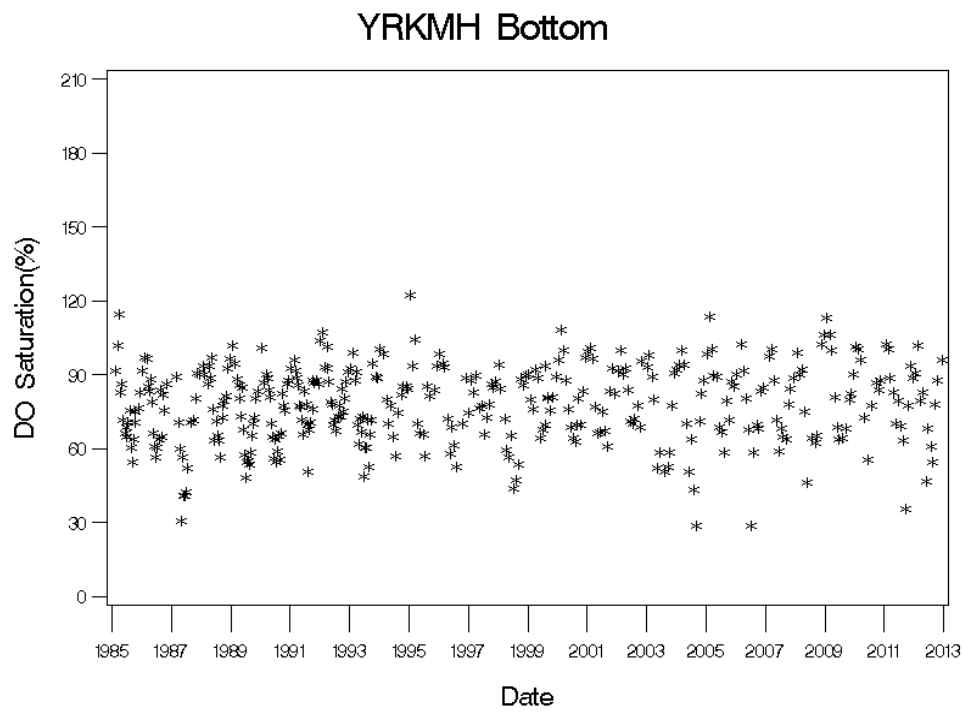
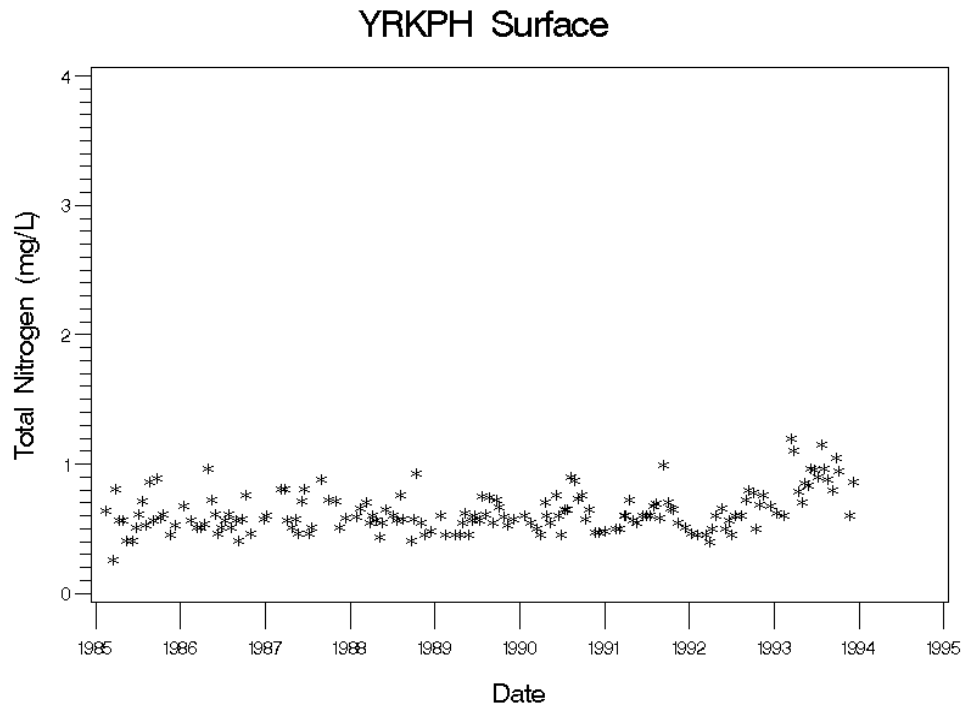


Figure 100. Scatterplot of bottom DO saturation at segment YRKMH during the period 1985 to 2013.

a) Pre-method change period



b) Post-method change period

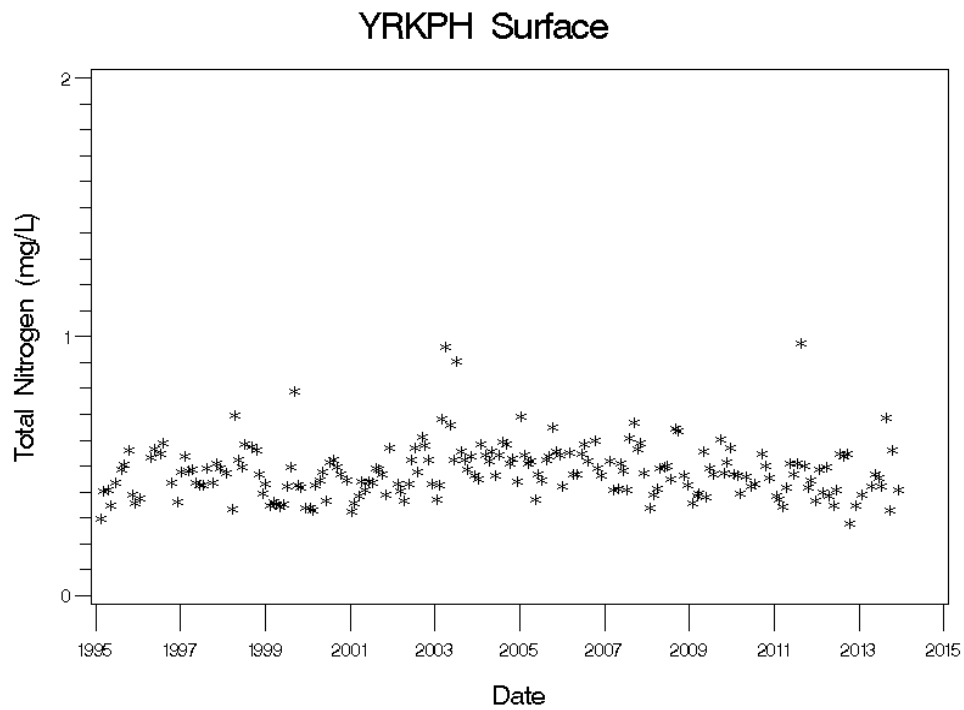
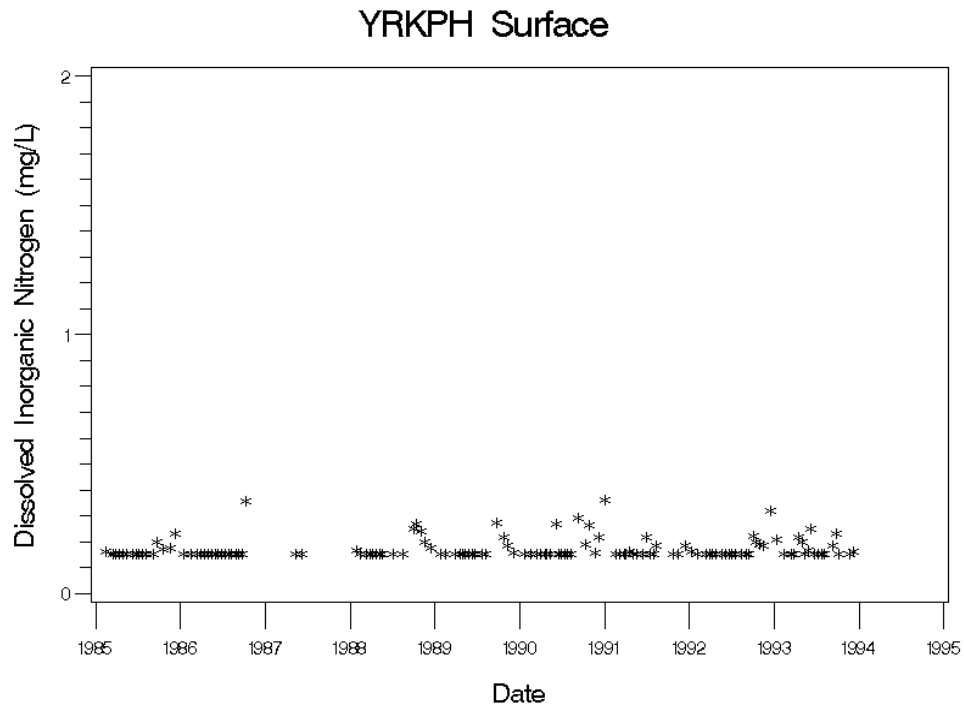


Figure 101. Scatterplots of surface total nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

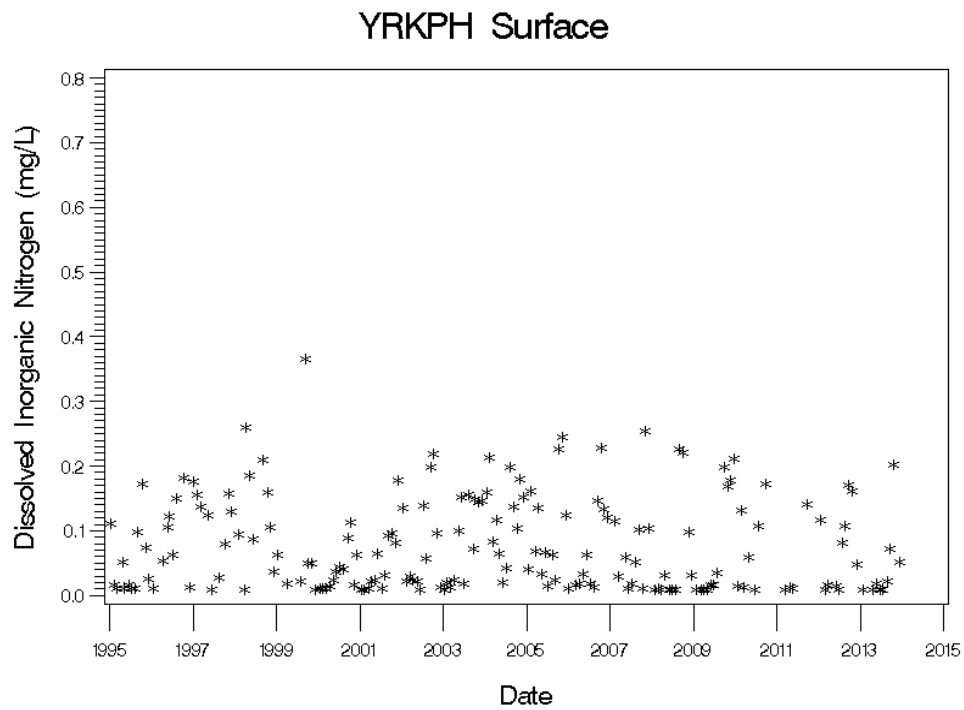
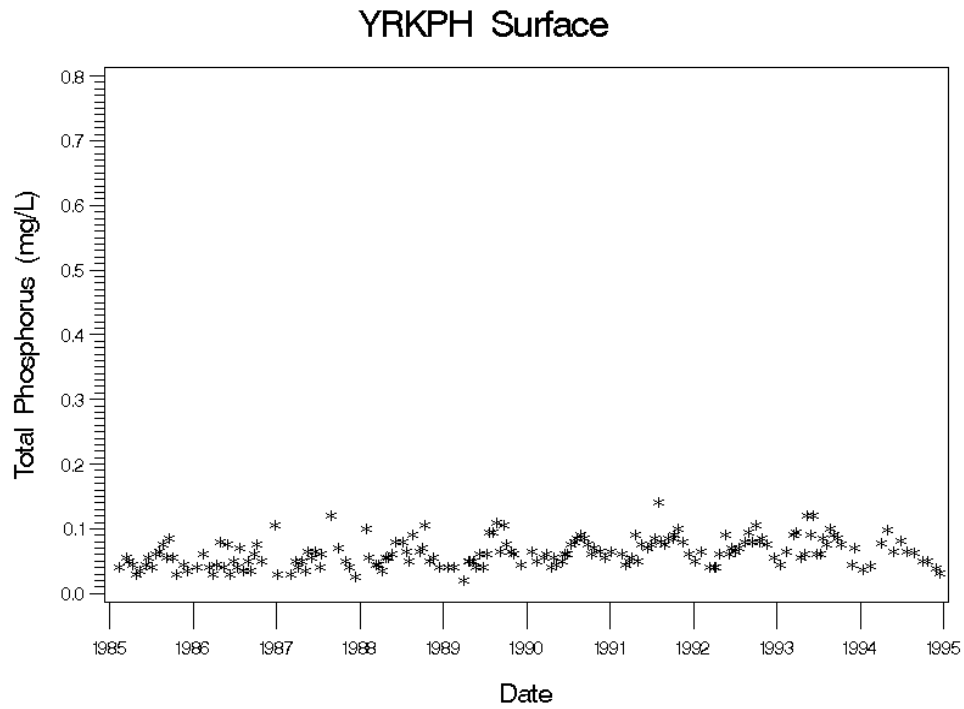


Figure 102. Scatterplots of surface dissolved inorganic nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

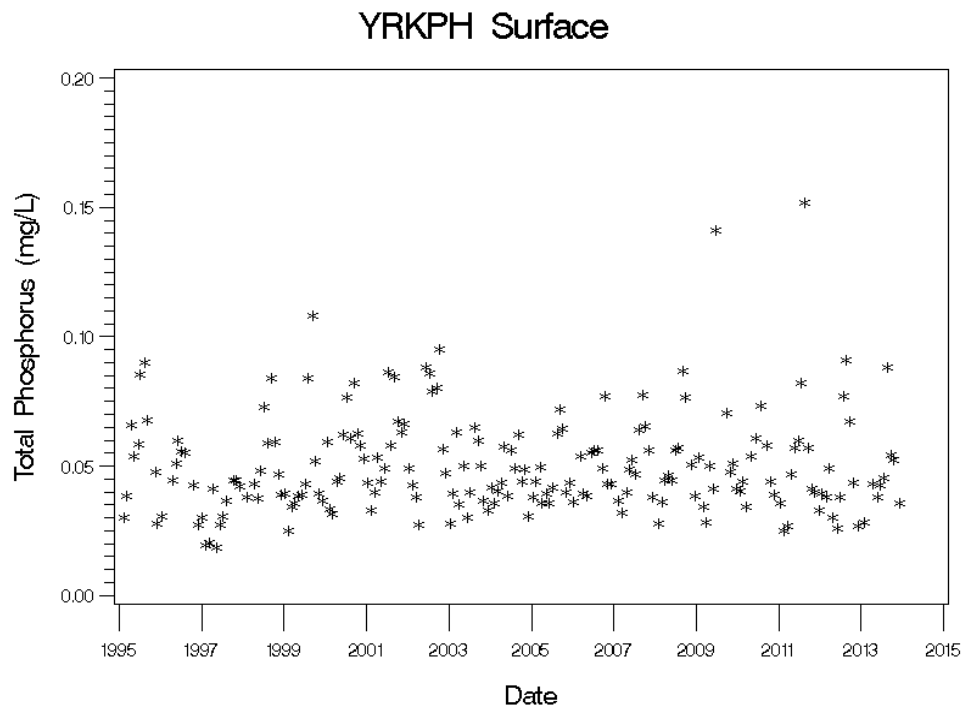
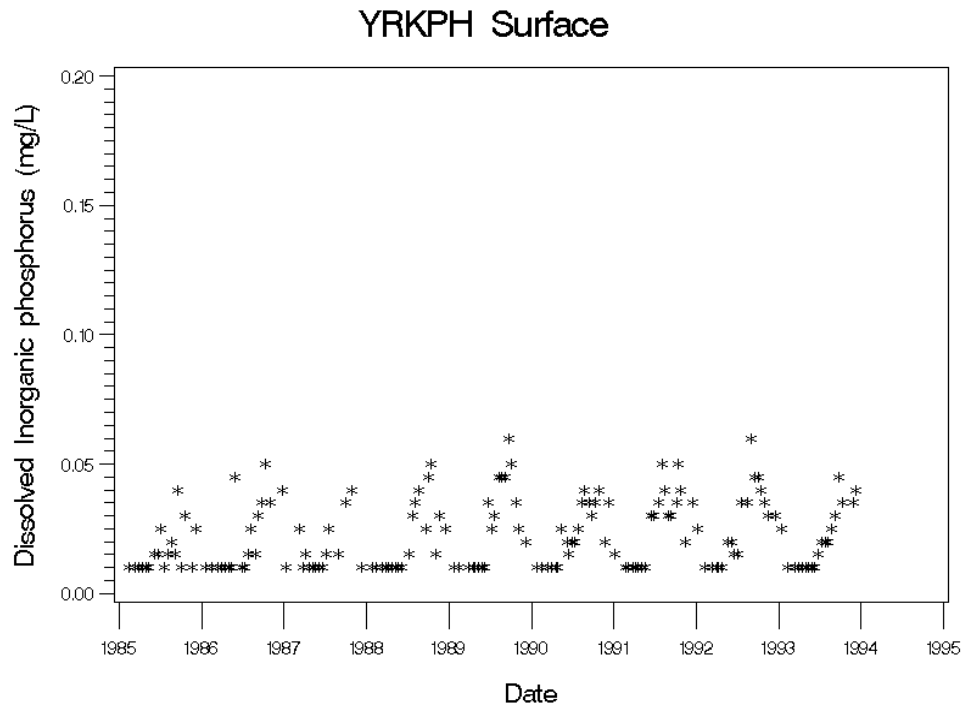


Figure 103. Scatterplots of surface total phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

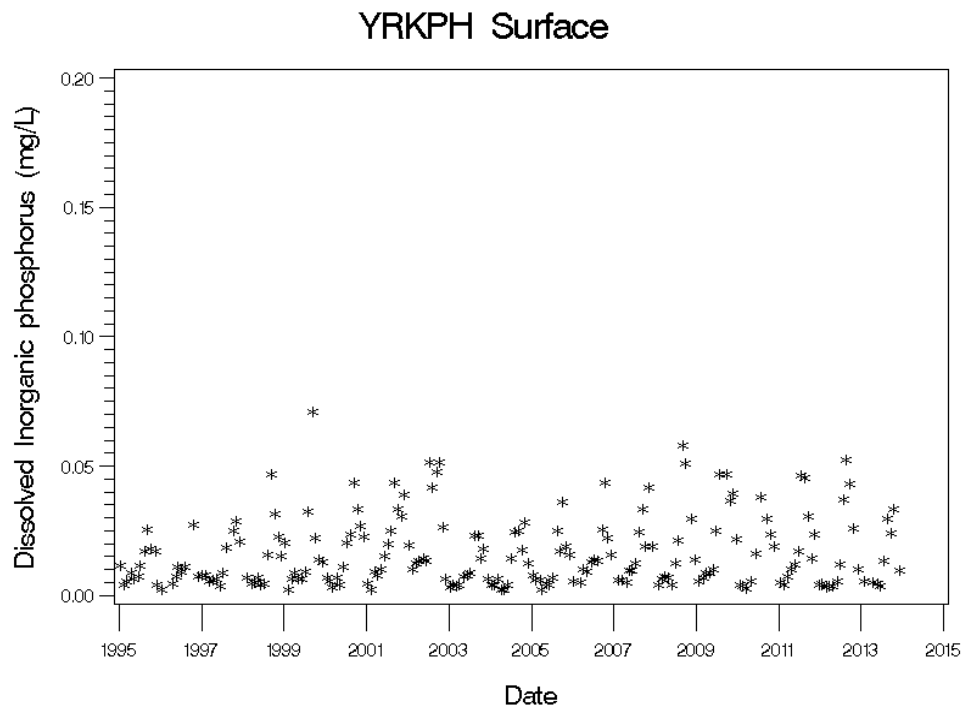


Figure 104. Scatterplots of surface dissolved inorganic phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

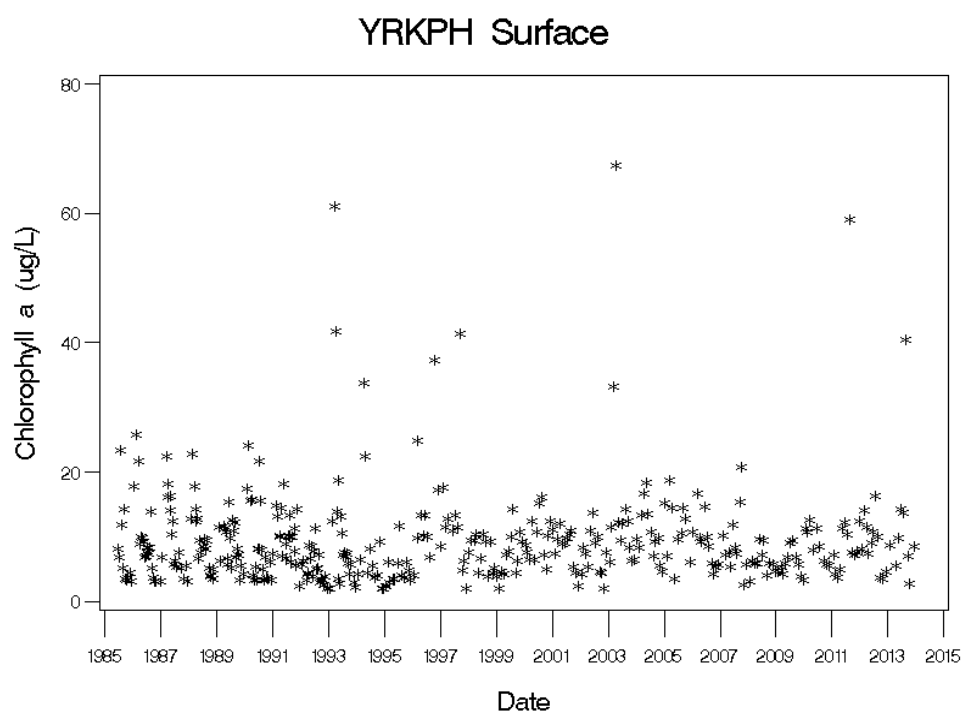


Figure 105. Scatterplot of surface chlorophyll a at segment YRKPH during the period 1985 to 2013.

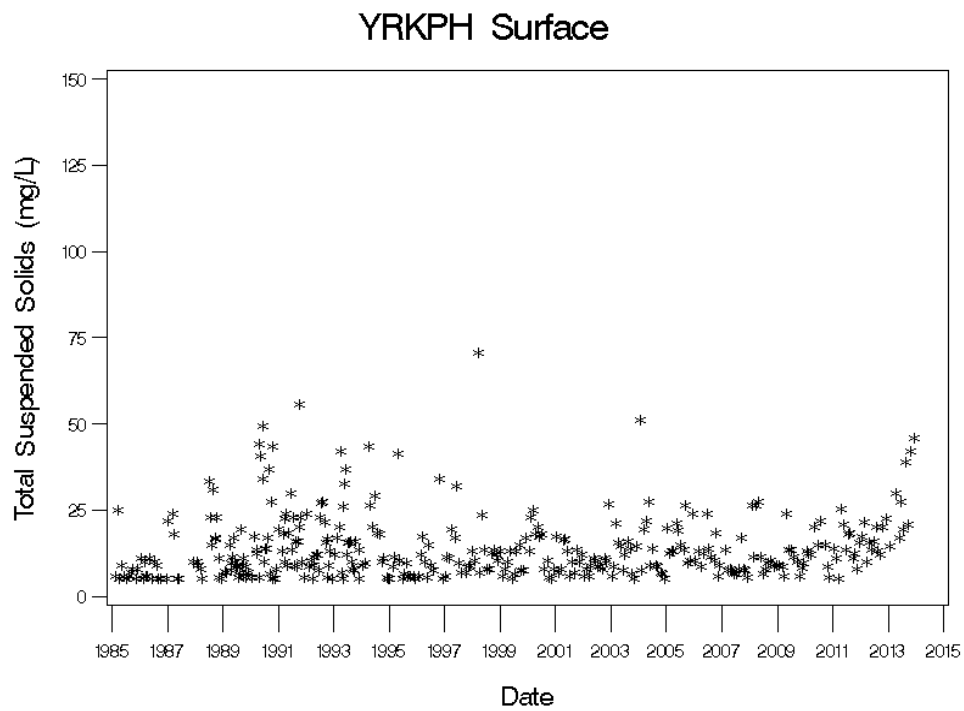


Figure 106. Scatterplot of surface total suspended solids at segment YRKPH during the period 1985 to 2013.

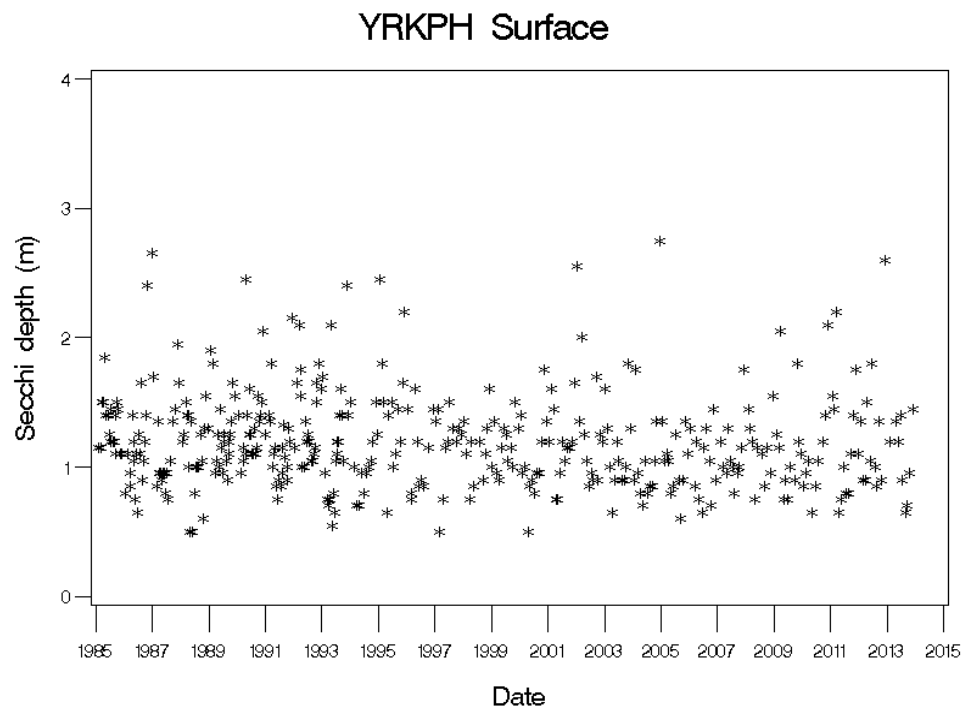


Figure 107. Scatterplot of secchi depth at segment YRKPH during the period 1985 to 2013.

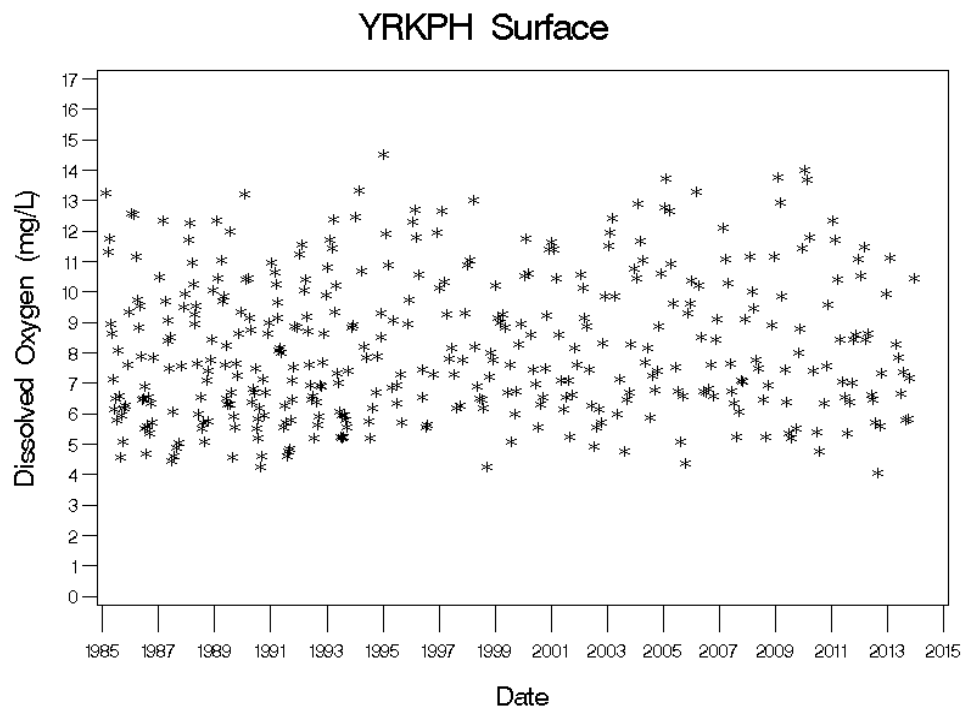


Figure 108. Scatterplot of surface dissolved oxygen at segment YRKPH during the period 1985 to 2013.

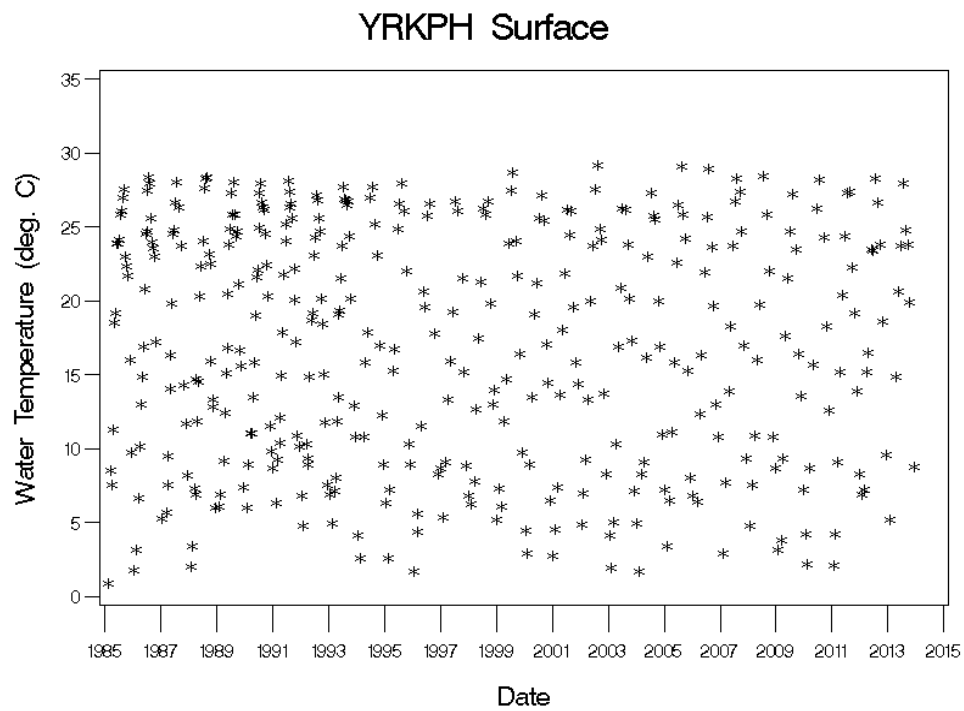


Figure 109. Scatterplot of surface water temperature at segment YRKPH during the period 1985 to 2013.

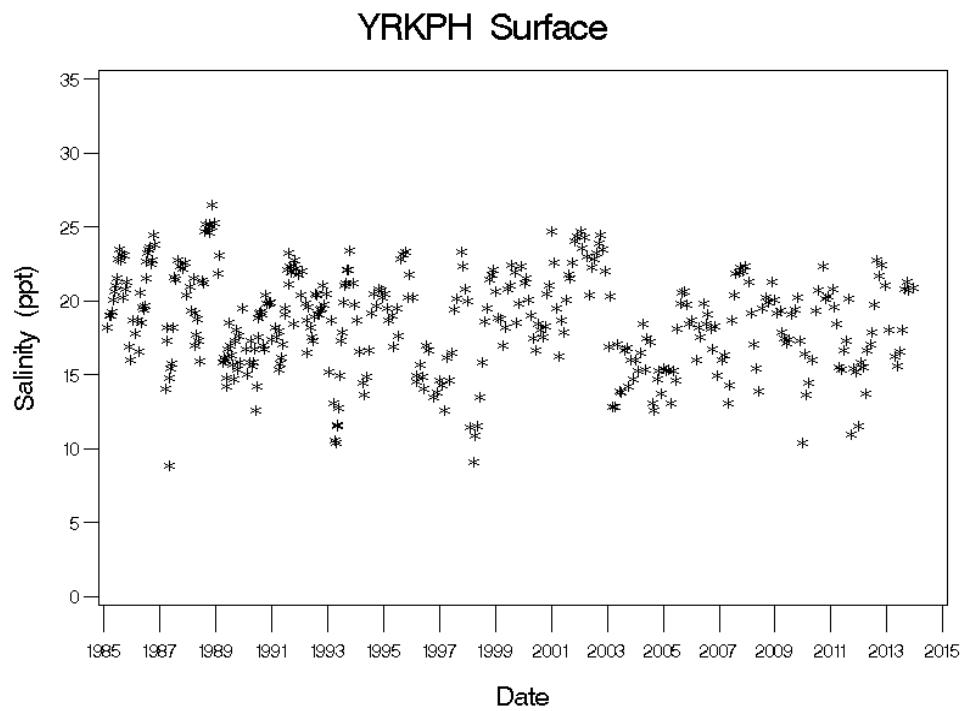


Figure 110. Scatterplot of surface salinity at segment YRKPH during the period 1985 to 2013.

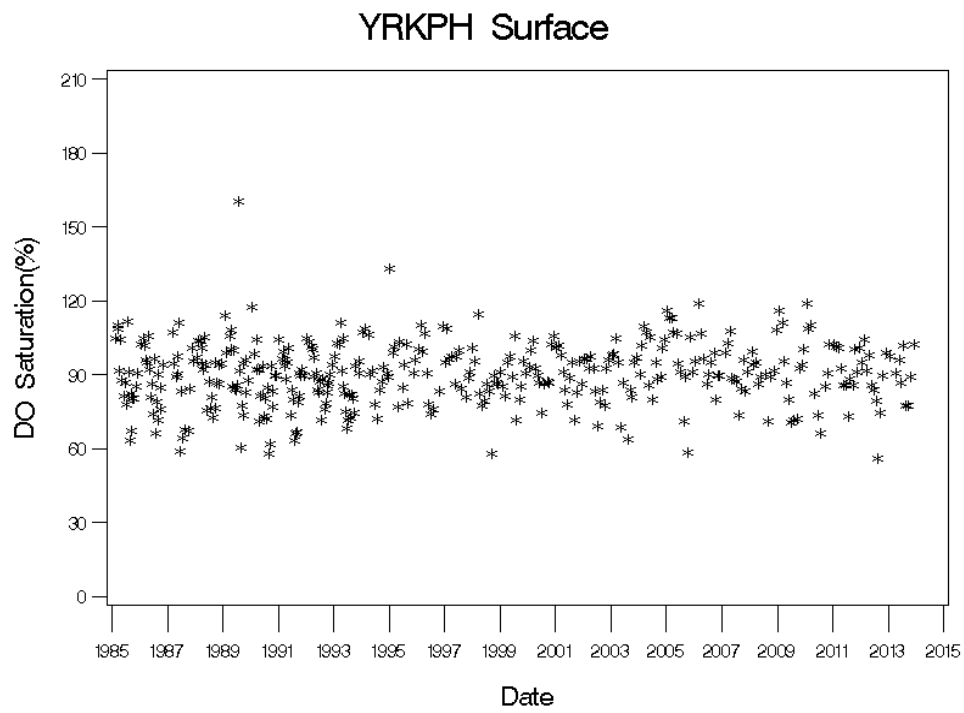
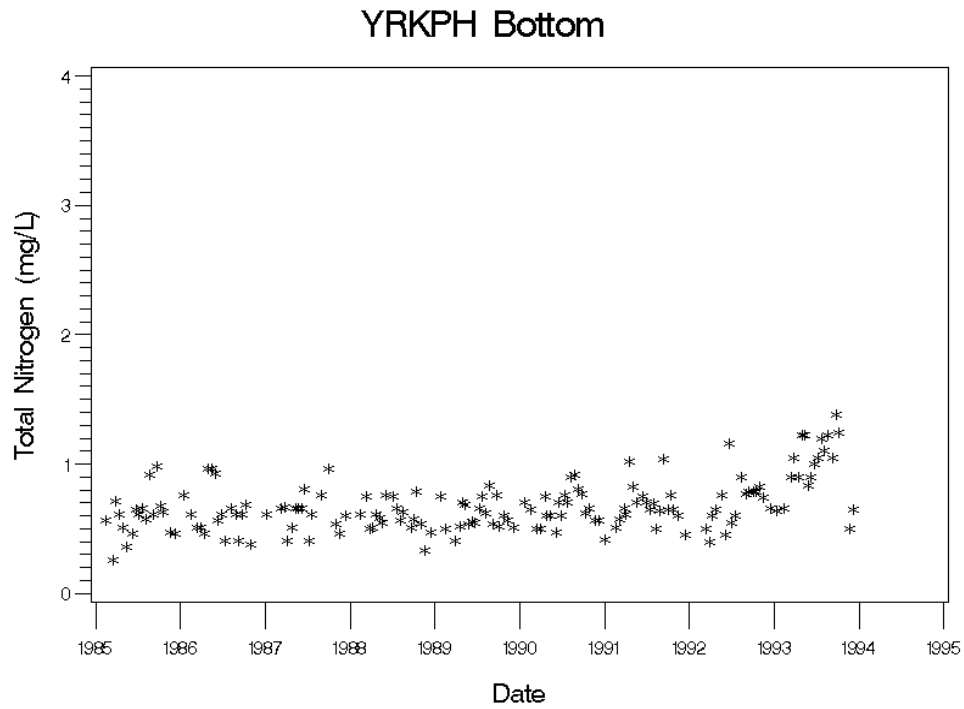


Figure 111. Scatterplot of surface DO saturation at segment YRKPH during the period 1985 to 2013.

a) Pre-method change period



b) Post-method change period

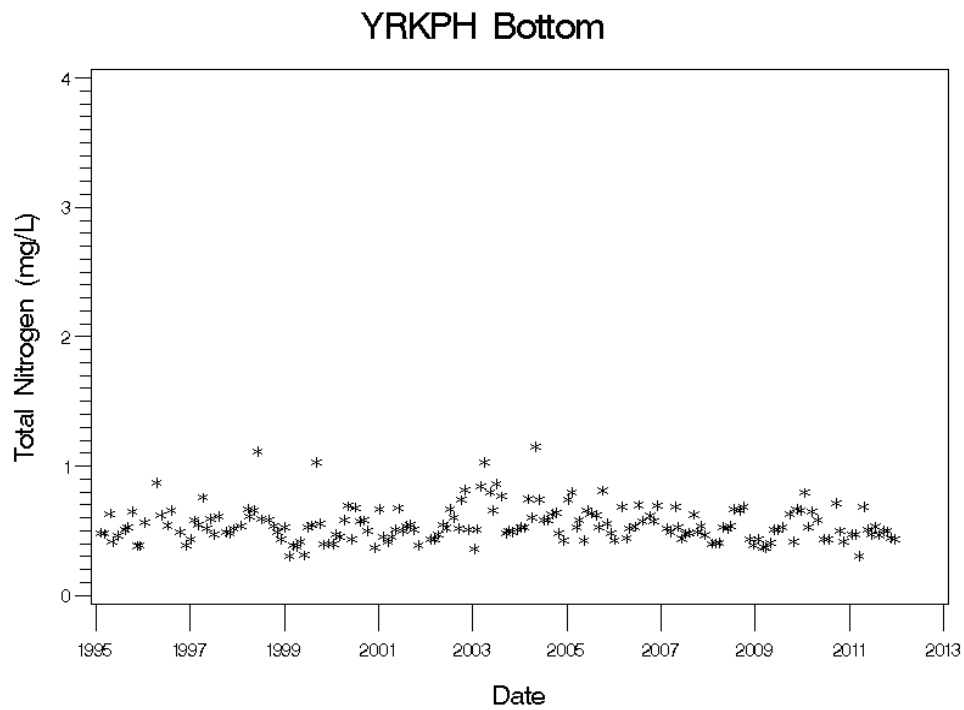
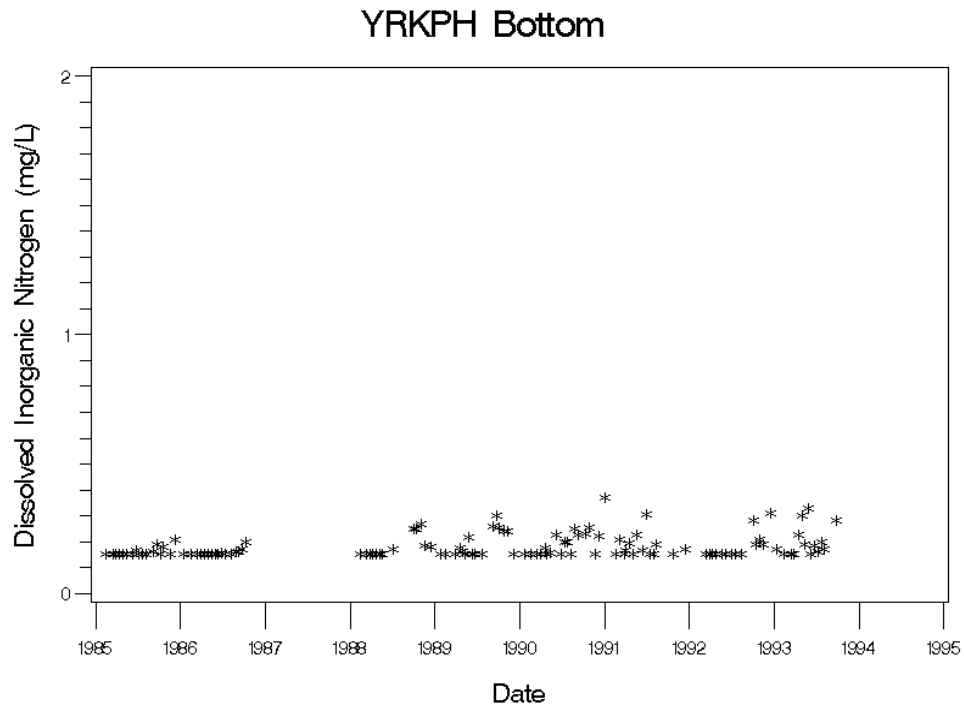


Figure 112. Scatterplots of bottom total nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

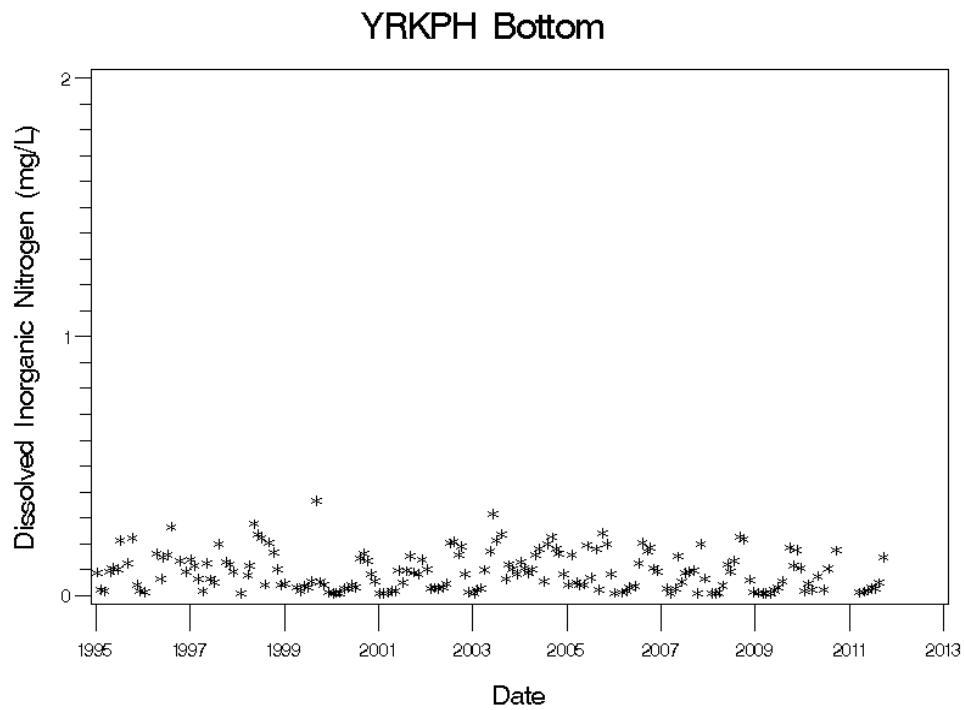
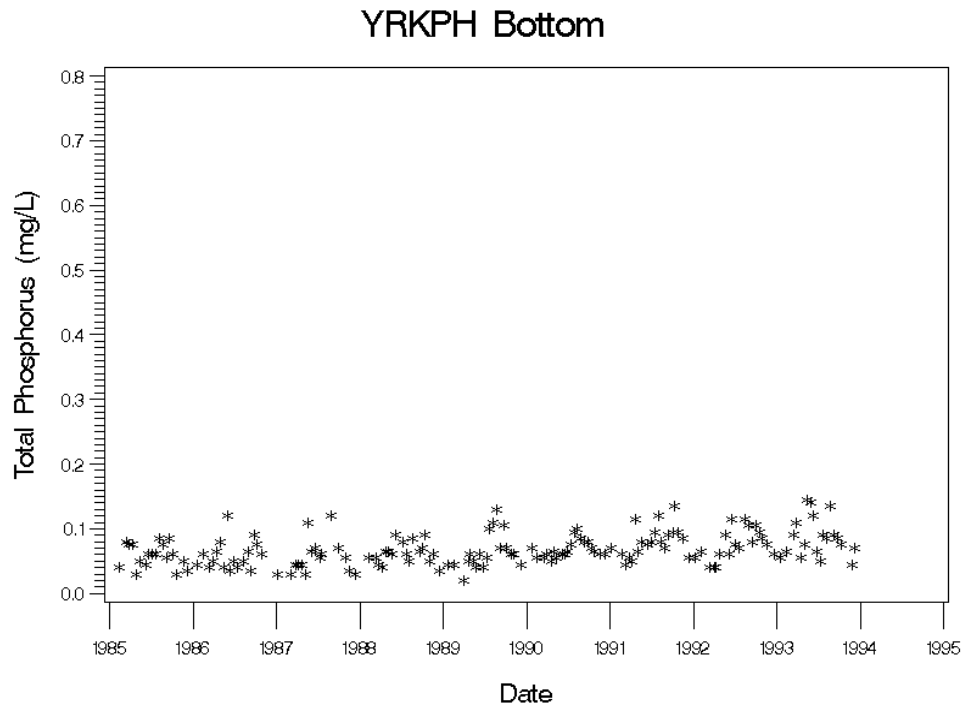


Figure 113. Scatterplots of bottom dissolved inorganic nitrogen at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

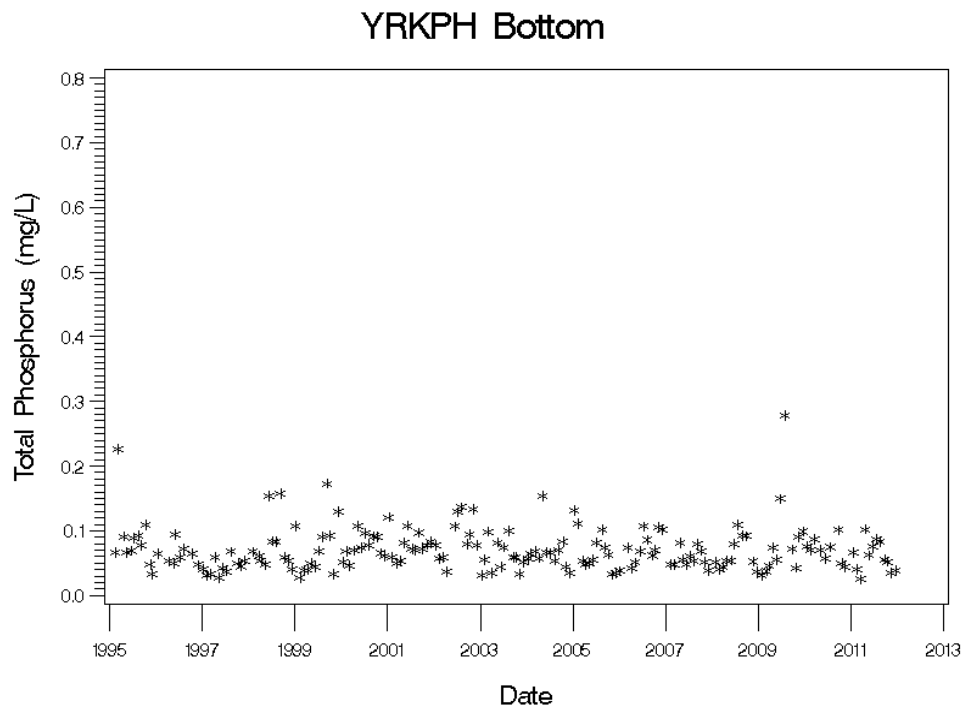
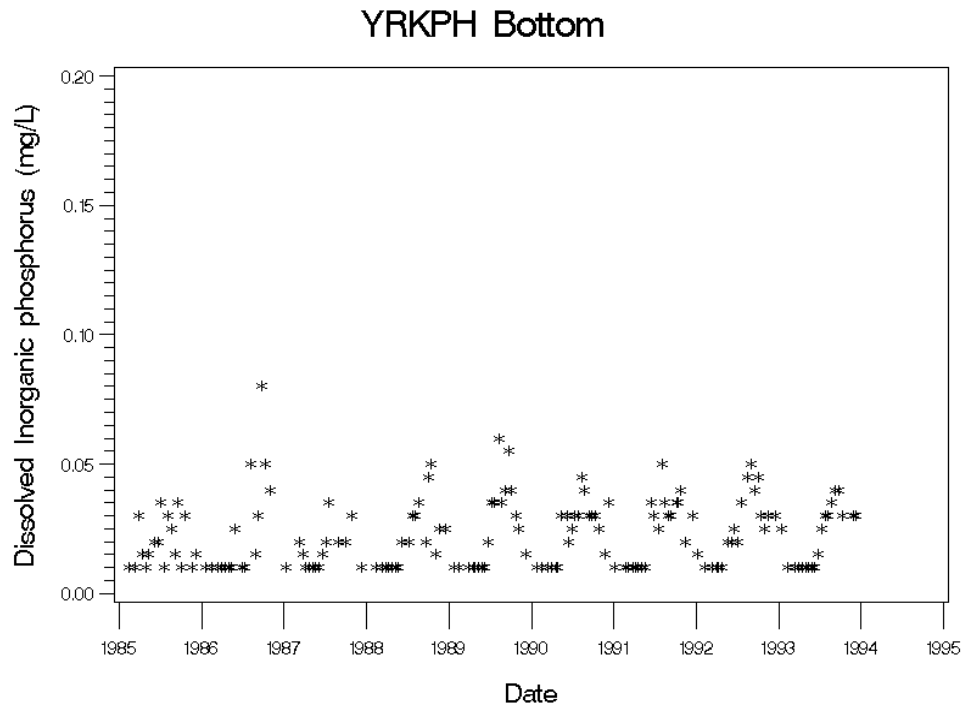


Figure 114. Scatterplots of bottom total phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

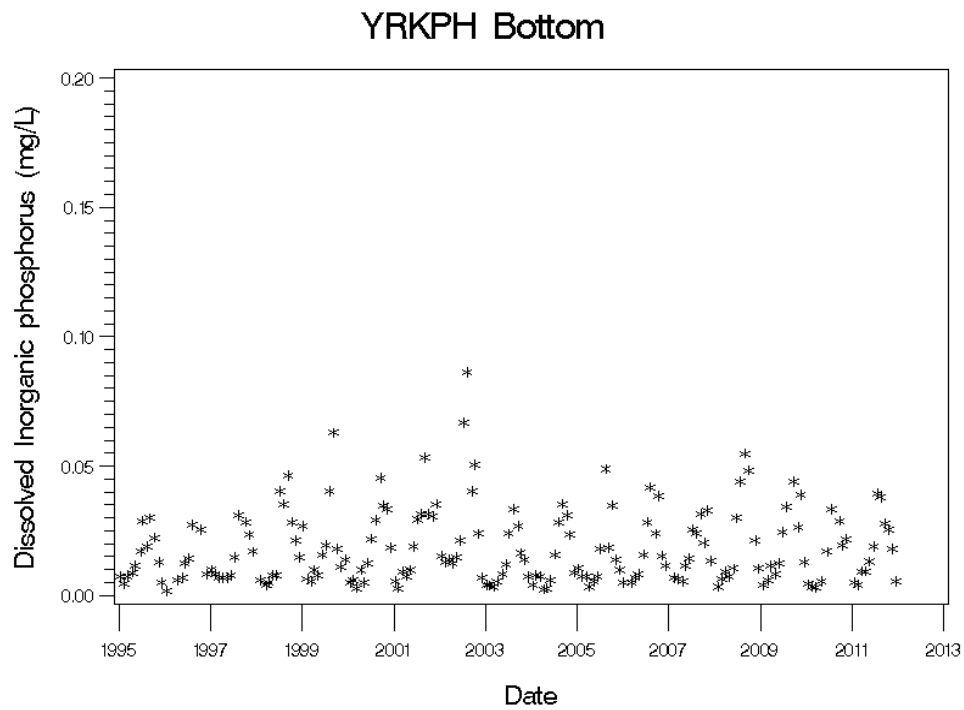


Figure 115. Scatterplots of bottom dissolved inorganic phosphorus at segment YRKPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

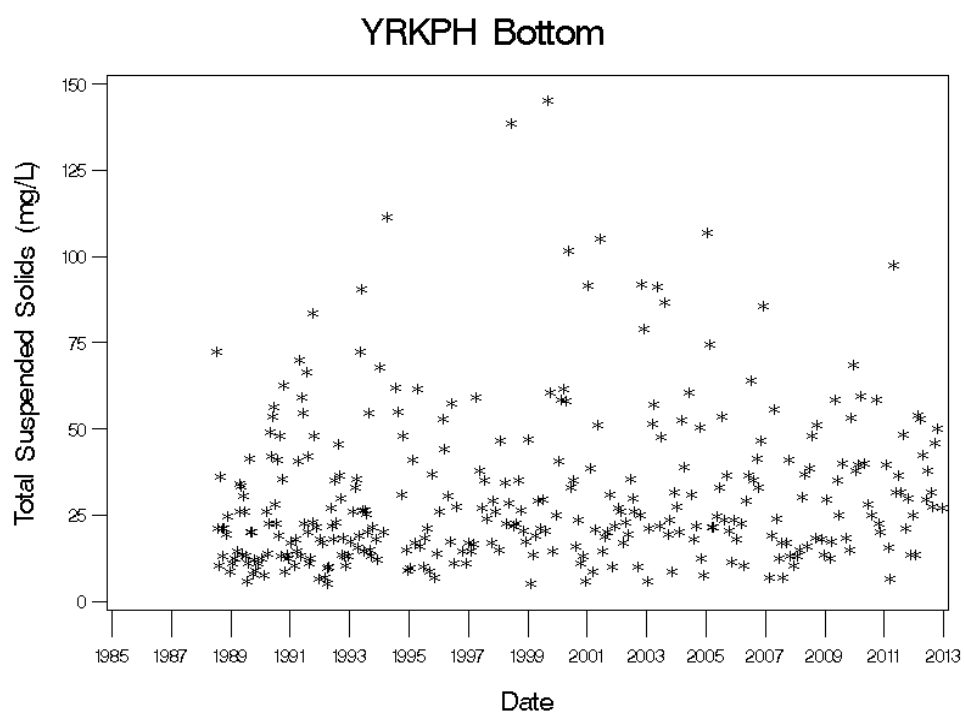


Figure 116. Scatterplot of bottom total suspended solids at segment YRKPH during the period 1985 to 2013.

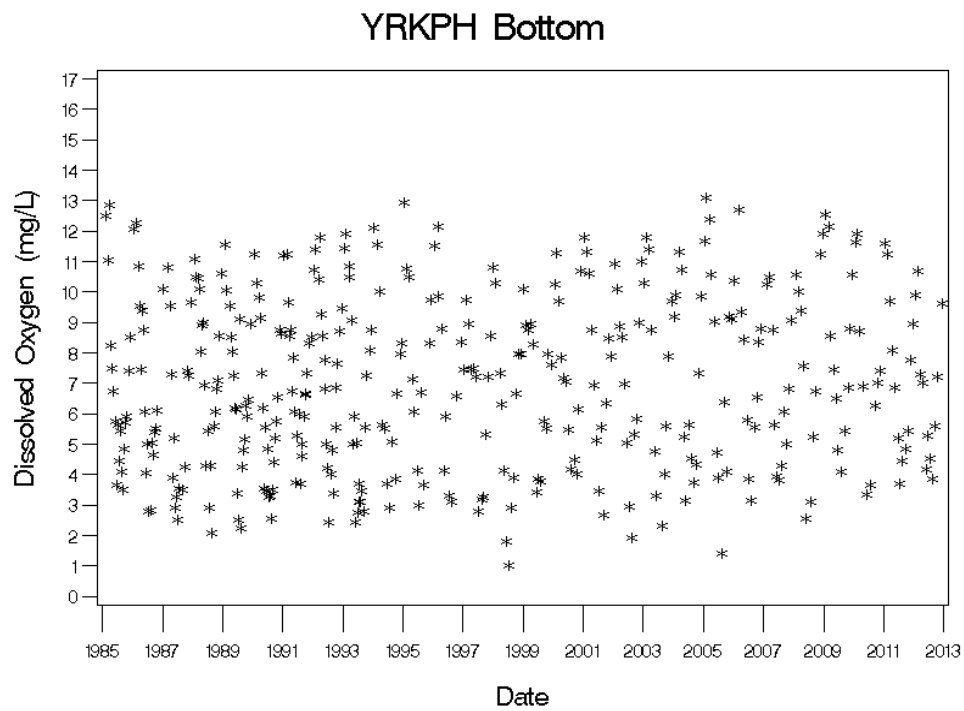


Figure 117. Scatterplot of bottom dissolved oxygen at segment YRKPH during the period 1985 to 2013.

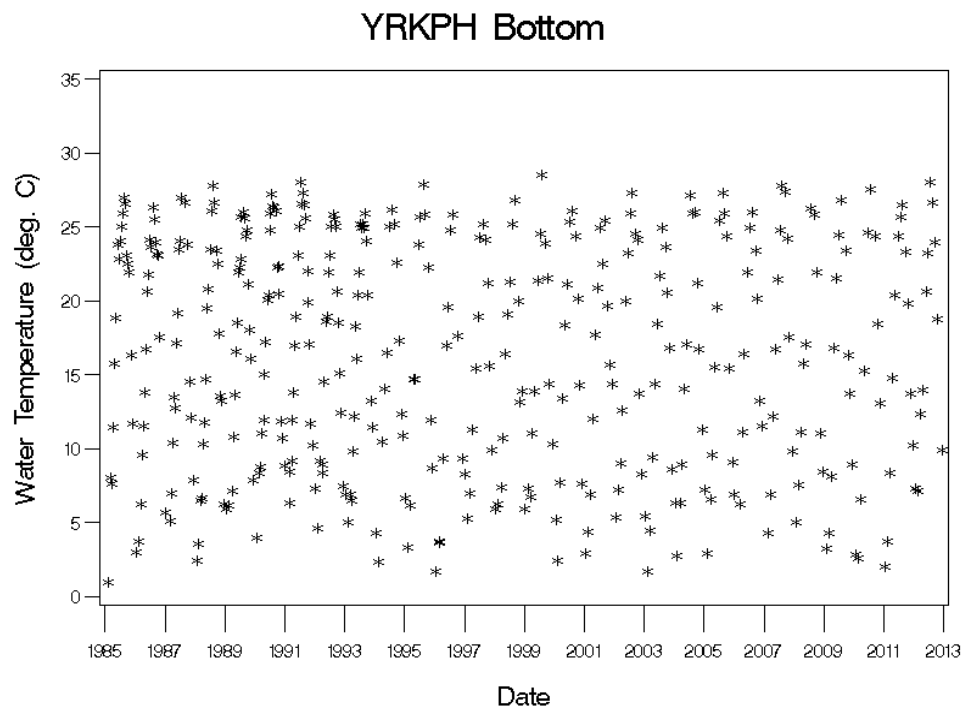


Figure 118. Scatterplot of bottom water temperature at segment YRKPH during the period 1985 to 2013.

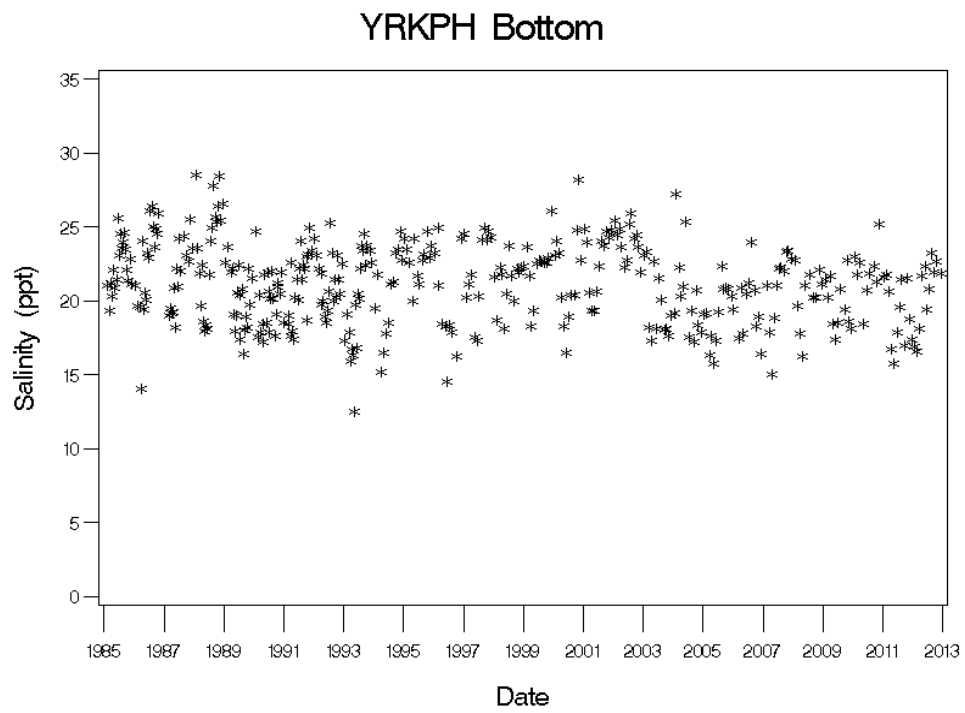


Figure 119. Scatterplot of bottom salinity at segment YRKPH during the period 1985 to 2013.

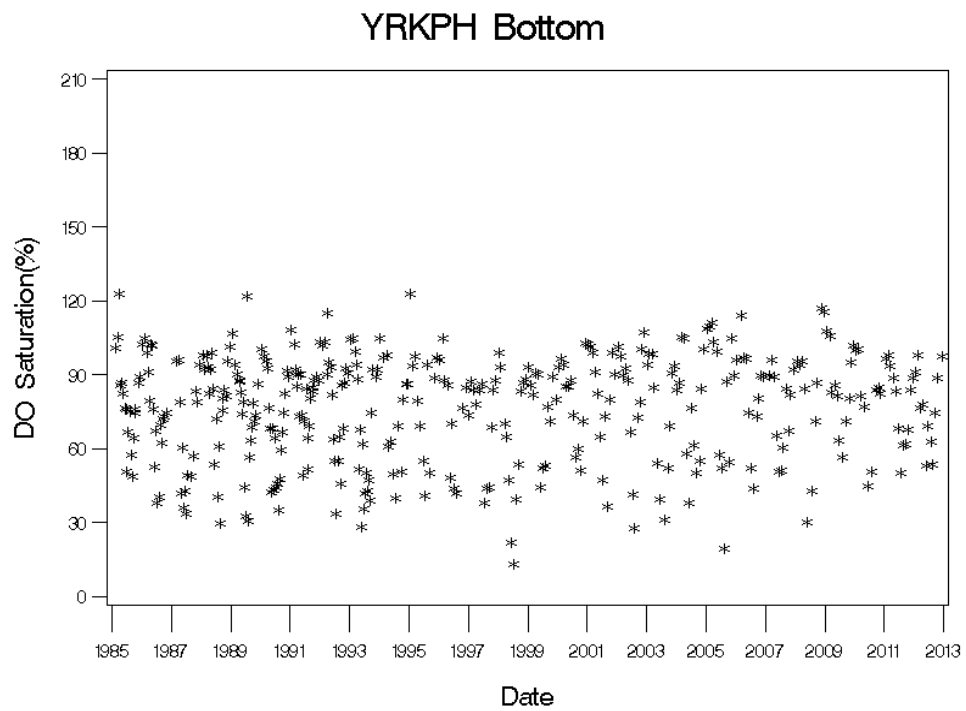
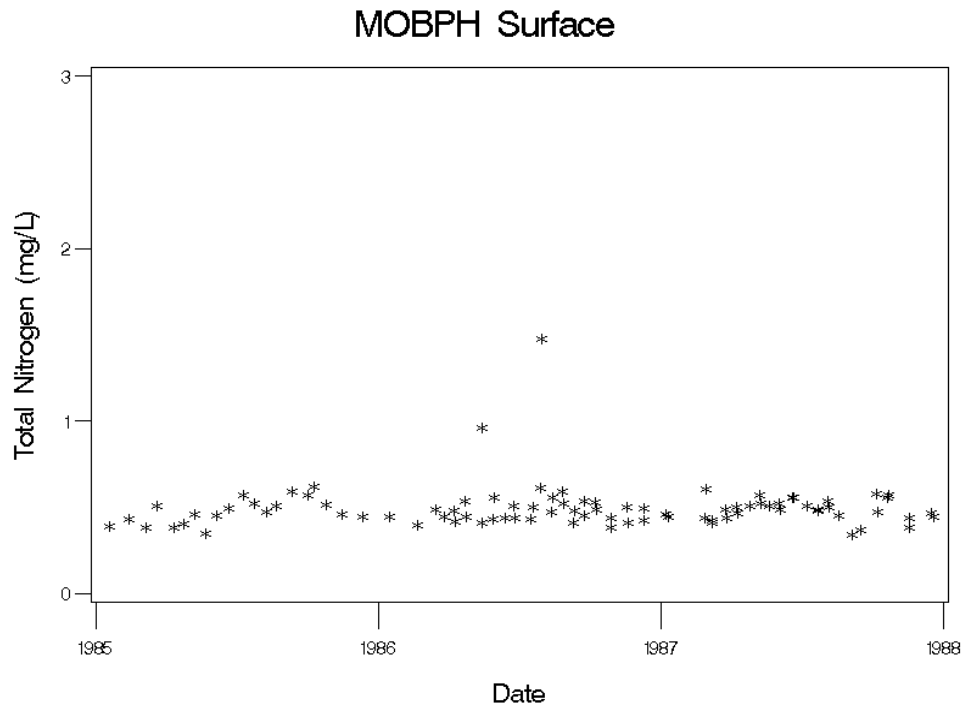


Figure 120. Scatterplot of bottom DO saturation at segment YRKPH during the period 1985 to 2013.

a) Pre-method change period



b) Post-method change period

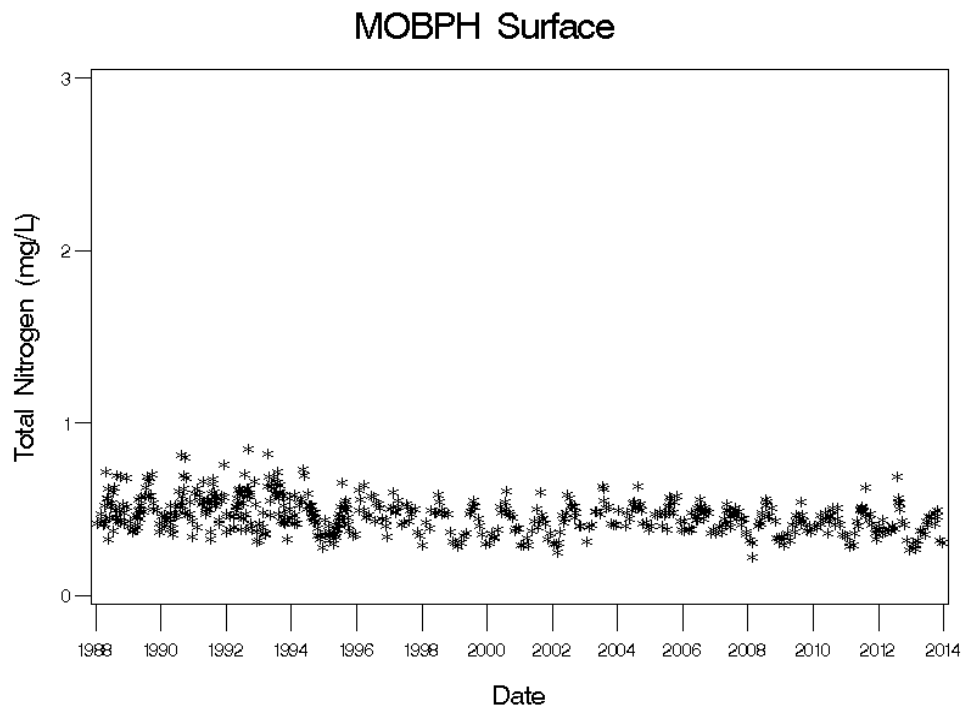
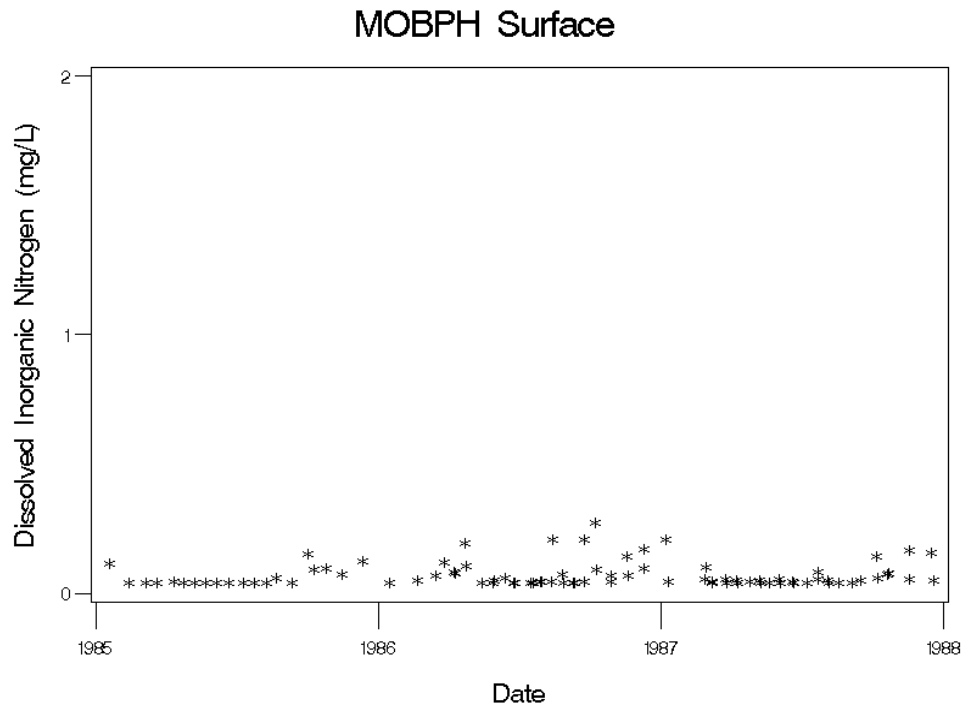


Figure 121. Scatterplots of surface total nitrogen at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

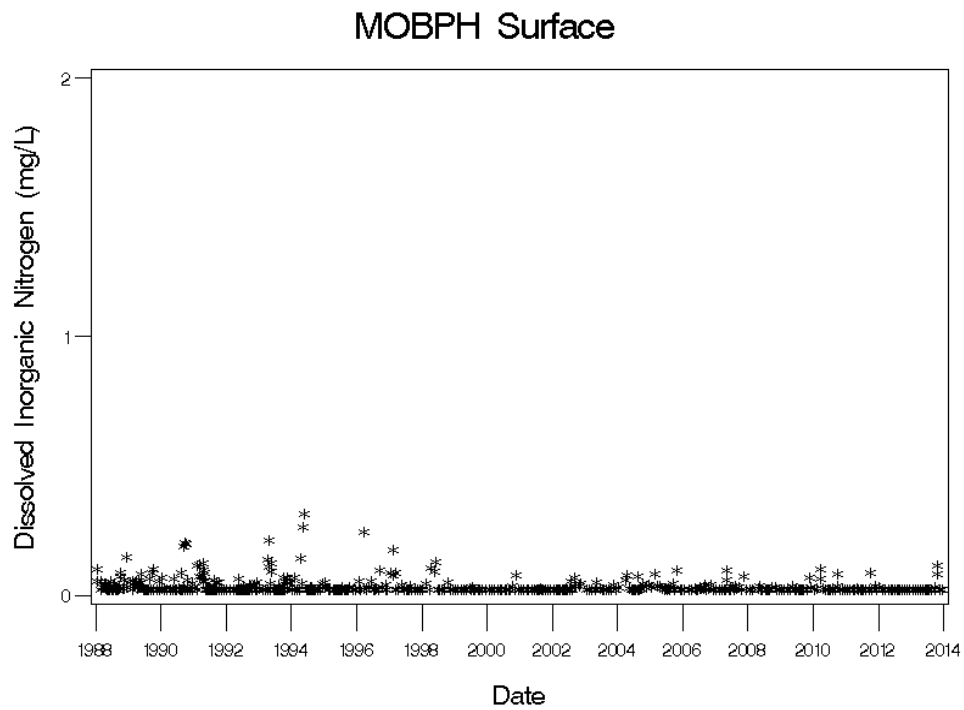
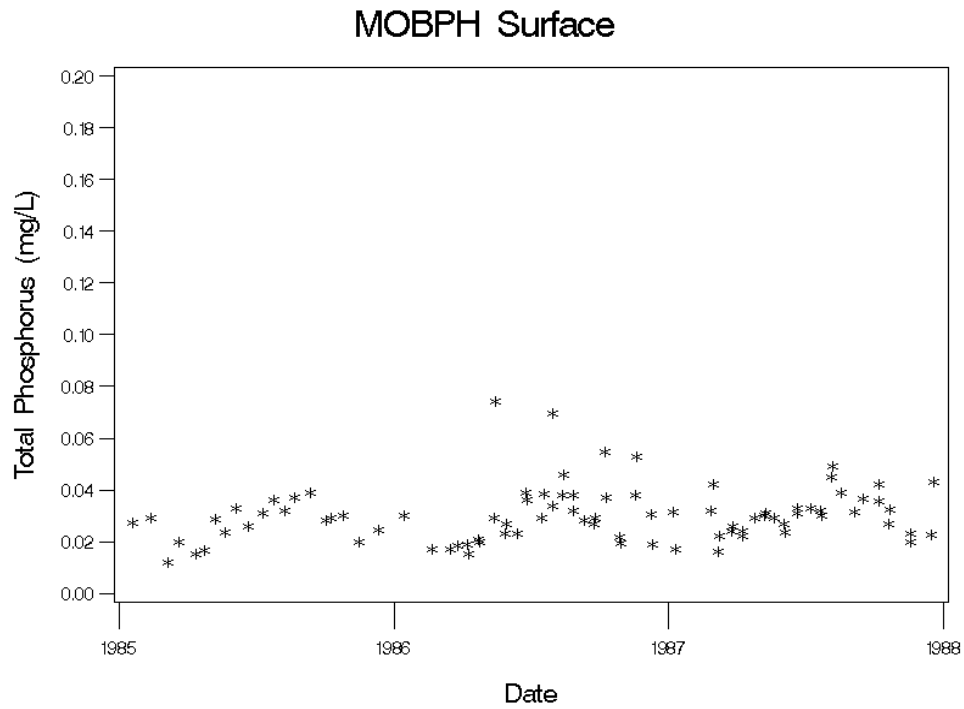


Figure 122. Scatterplots of surface dissolved inorganic nitrogen at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

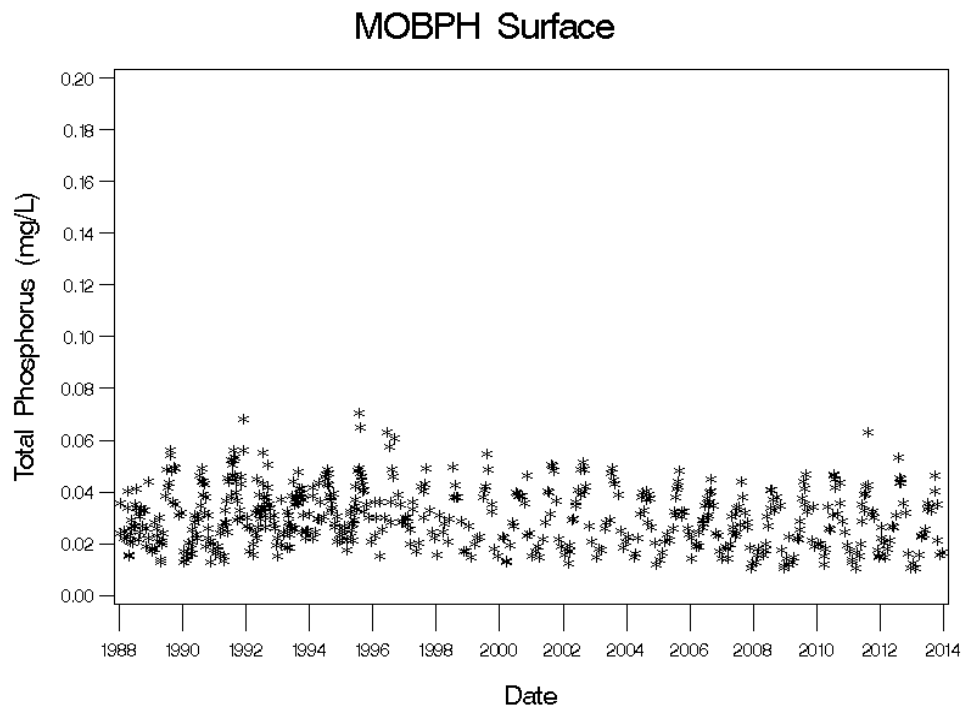
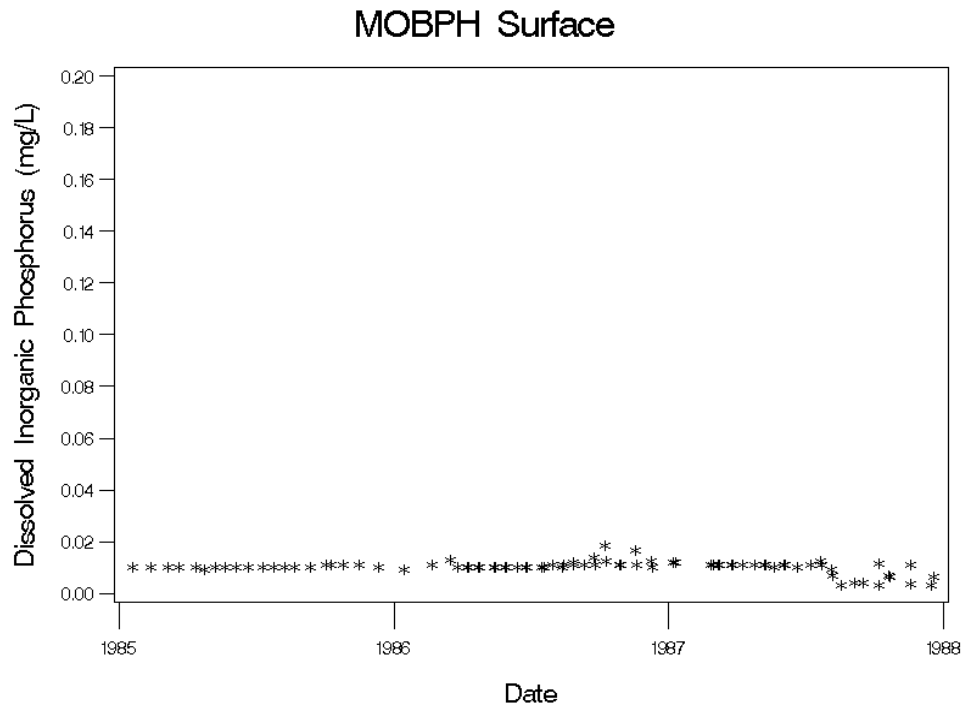


Figure 123. Scatterplots of surface total phosphorus at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

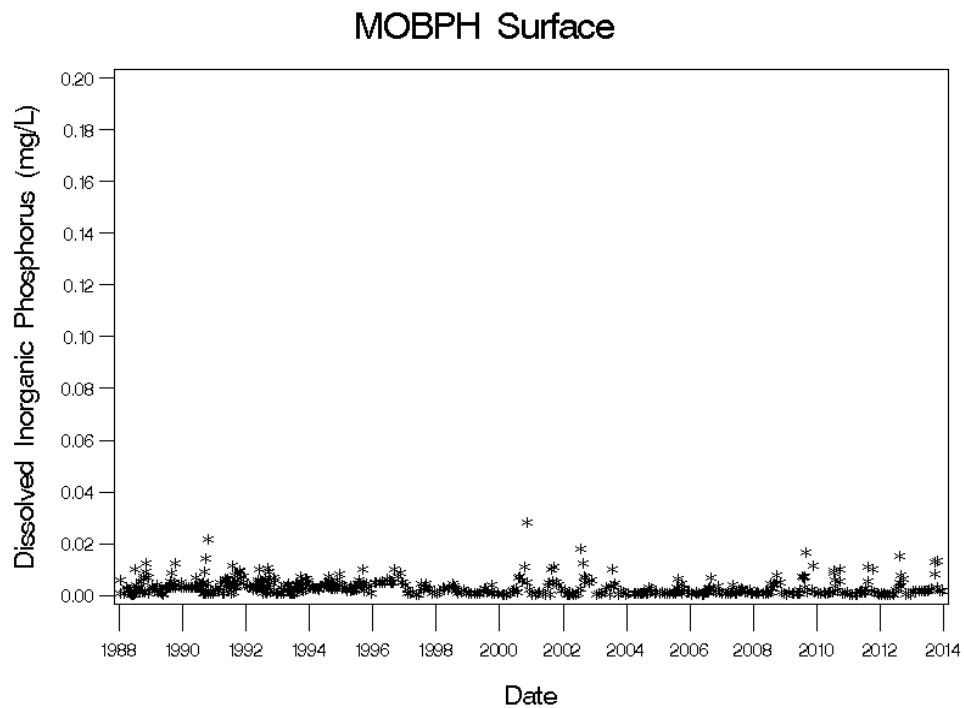


Figure 124. Scatterplots of surface dissolved inorganic phosphorus at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

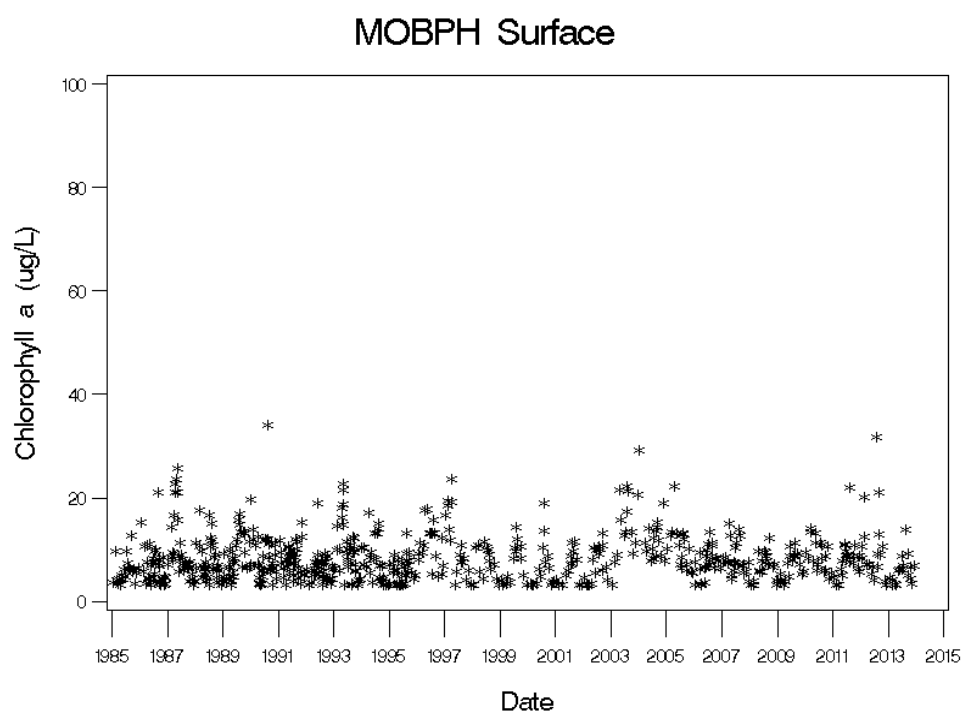


Figure 125. Scatterplot of surface chlorophyll a at segment MOBPH during the period of 1985 to 2013.

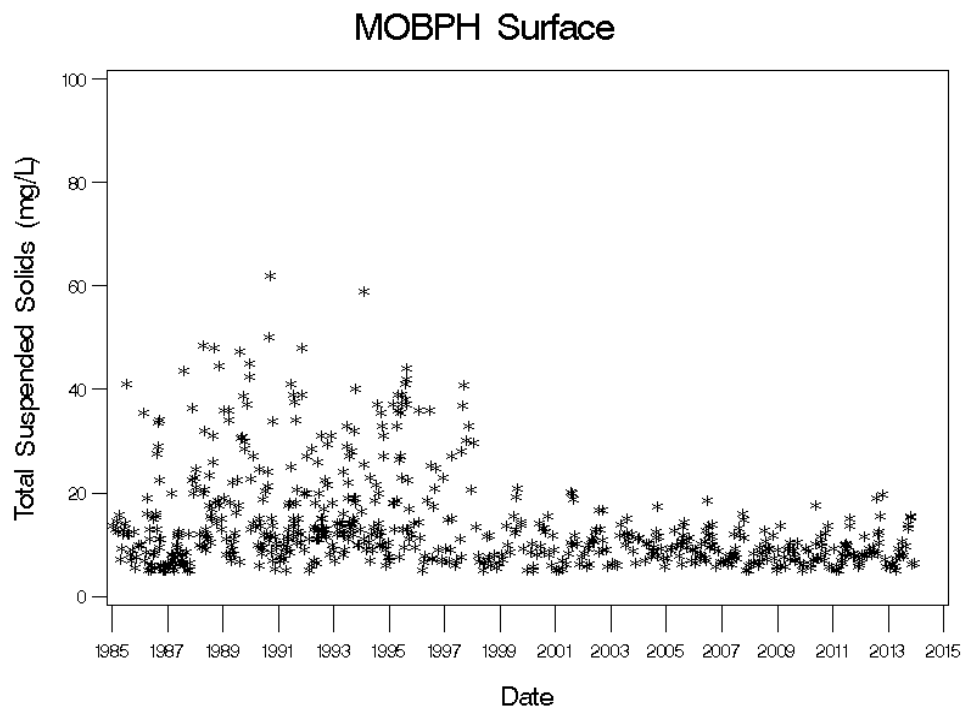


Figure 126. Scatterplot of surface total suspended solids at segment MOBPH during the period of 1985 to 2013.

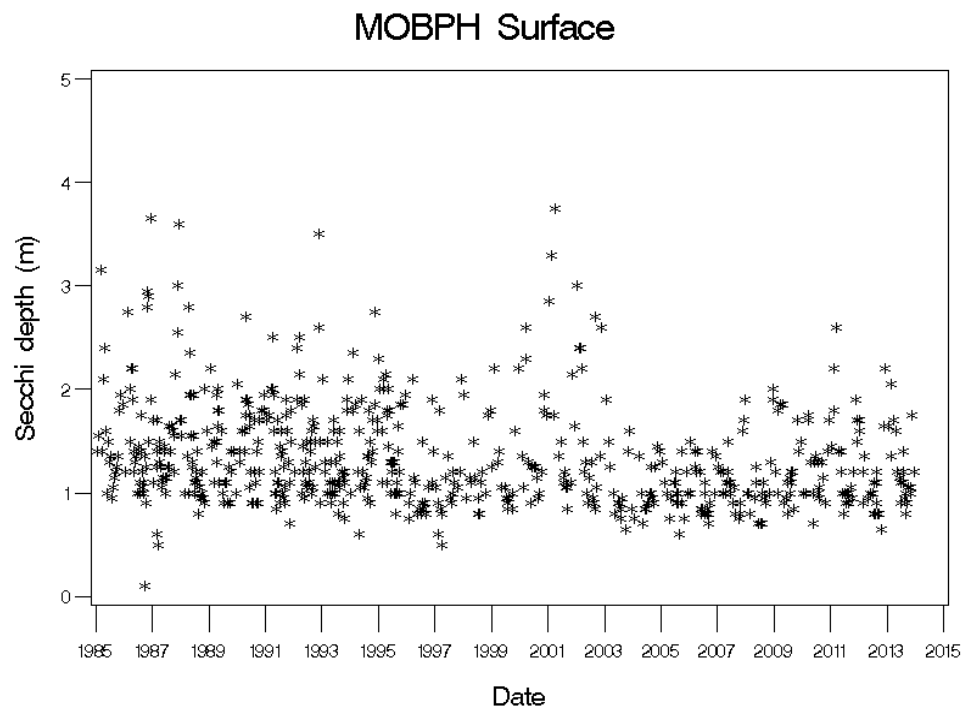


Figure 127. Scatterplot of secchi depth at segment MOBPH during the period of 1985 to 2013.

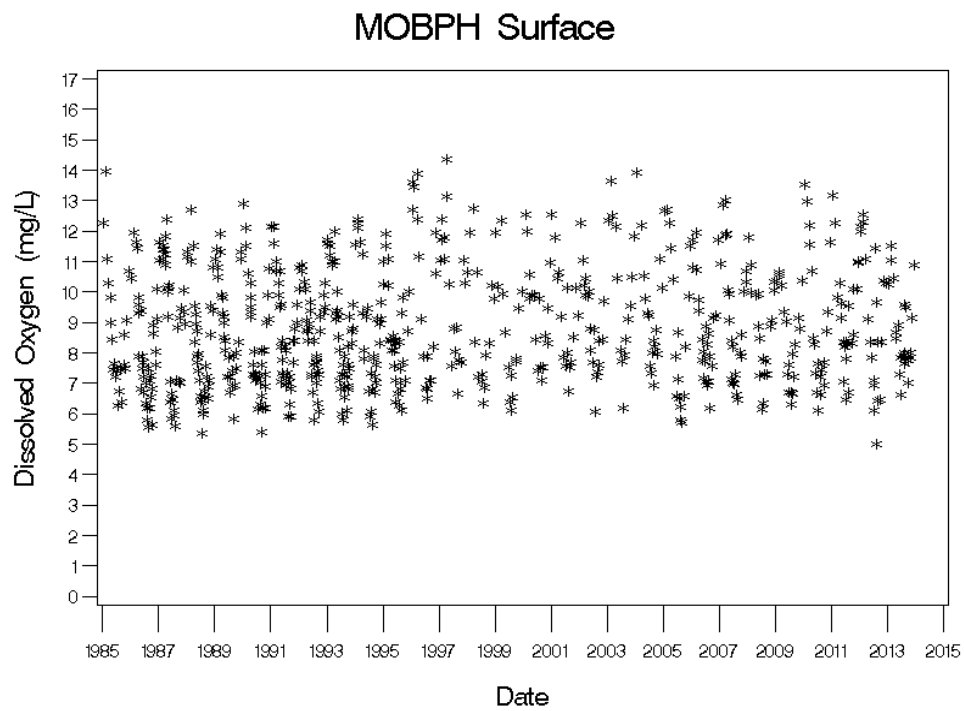


Figure 128. Scatterplot of surface dissolved oxygen at segment MOBPH during the period of 1985 to 2013.

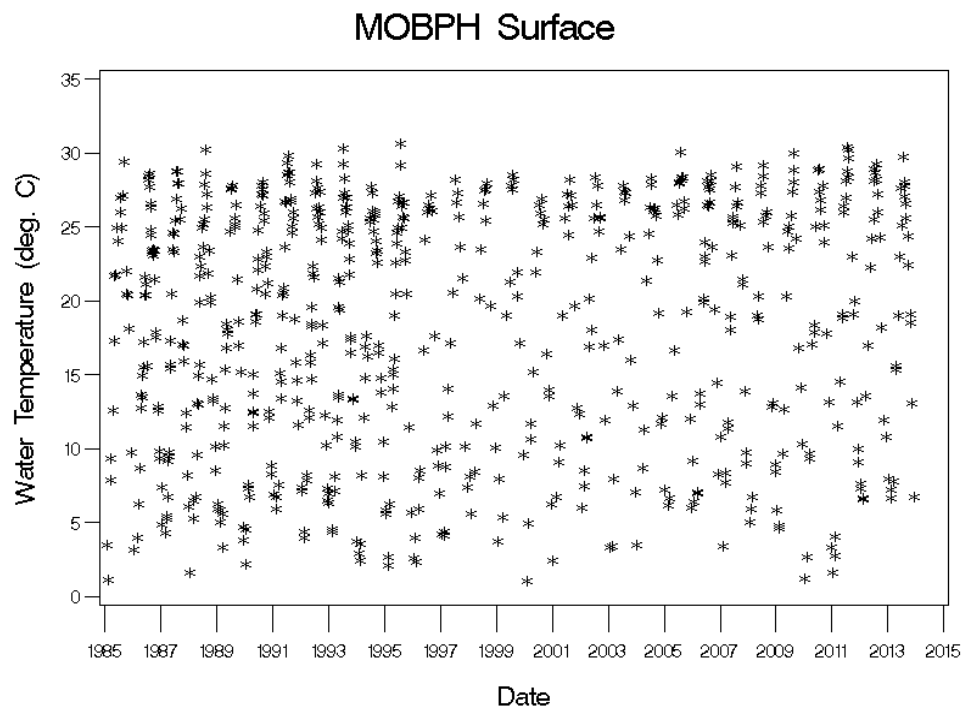


Figure 129. Scatterplot of surface water temperature at segment MOBPH during the period of 1985 to 2013.

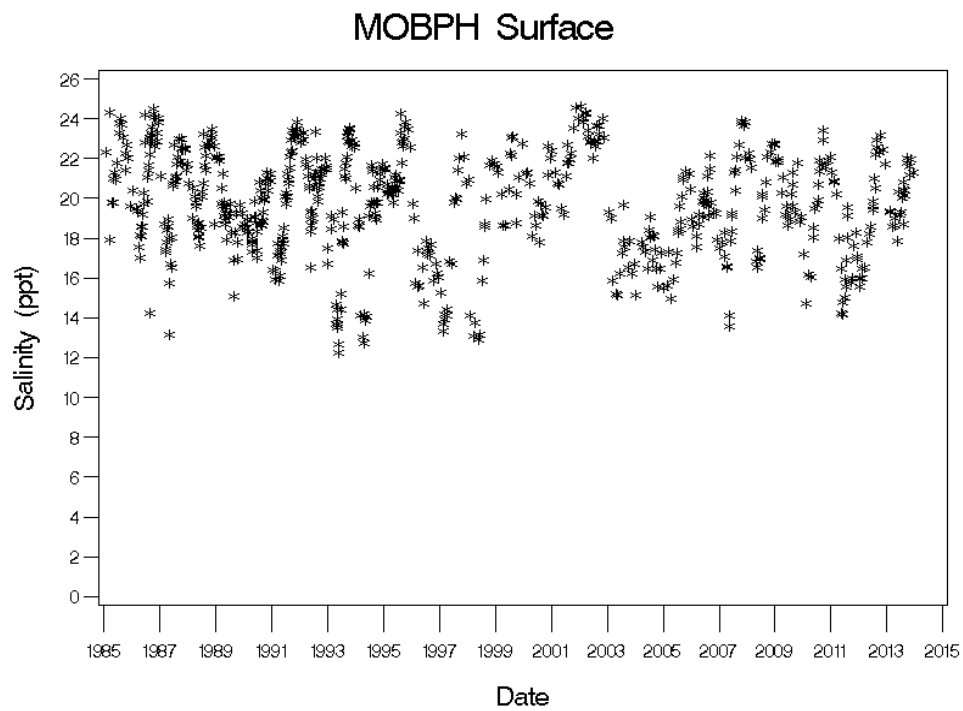


Figure 130. Scatterplot of surface salinity at segment MOBPH during the period of 1985 to 2013.

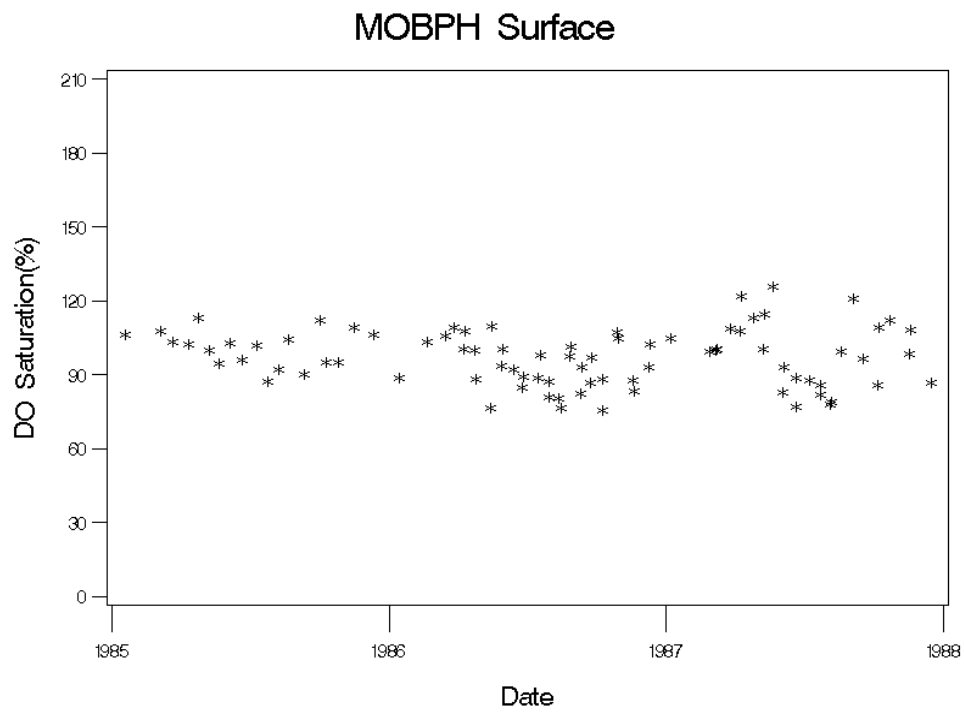
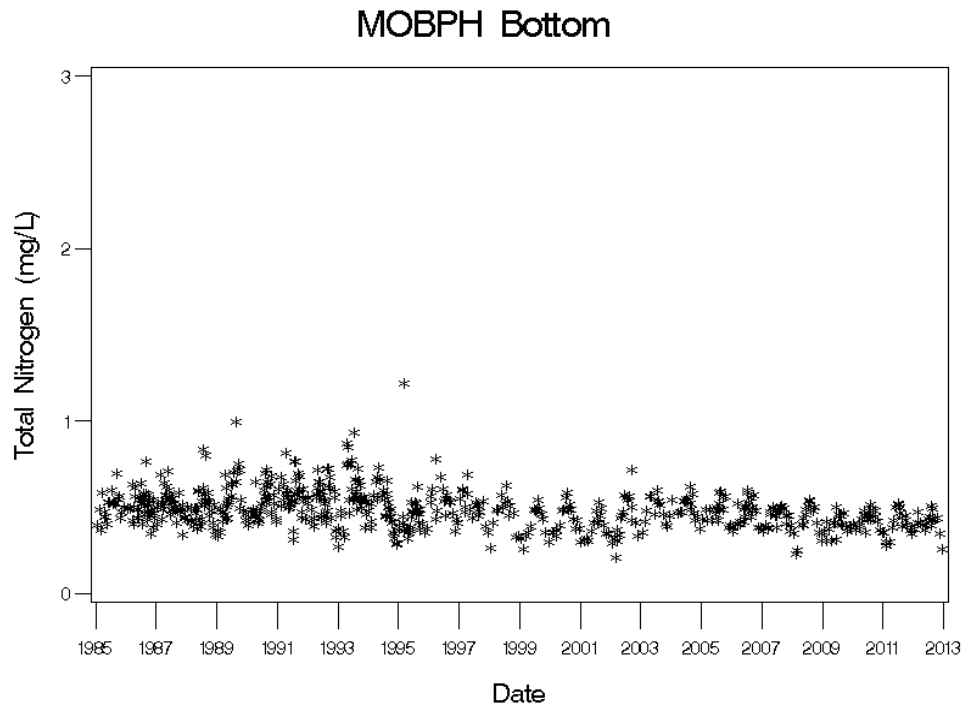


Figure 131. Scatterplot of surface DO saturation at segment MOBPH during the period 1985 to 2013.

a) Pre-method change period



b) Post-method change period

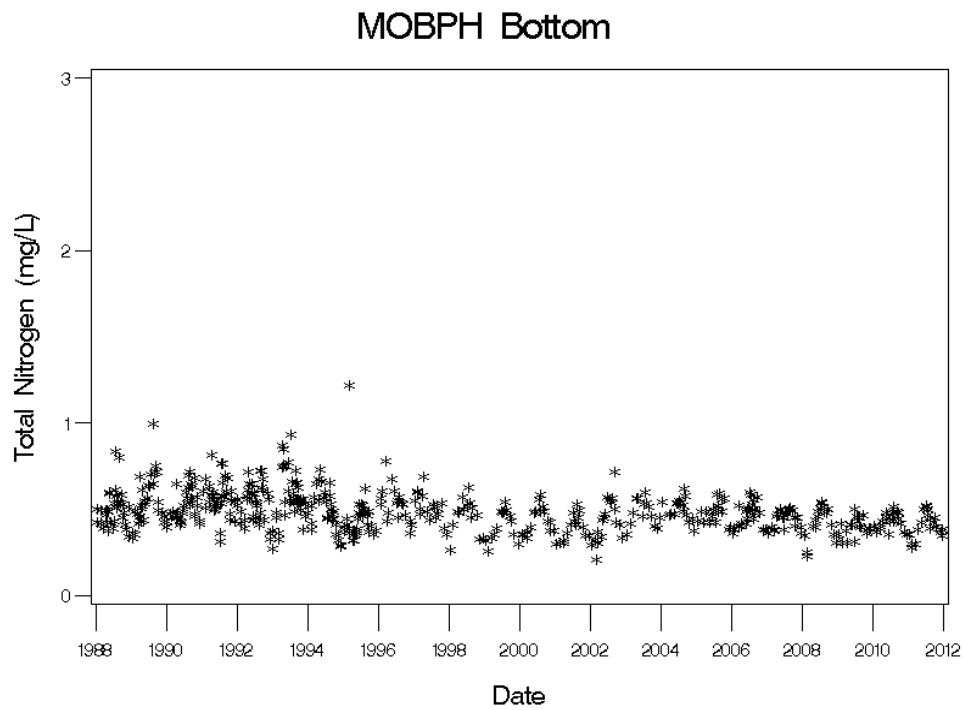
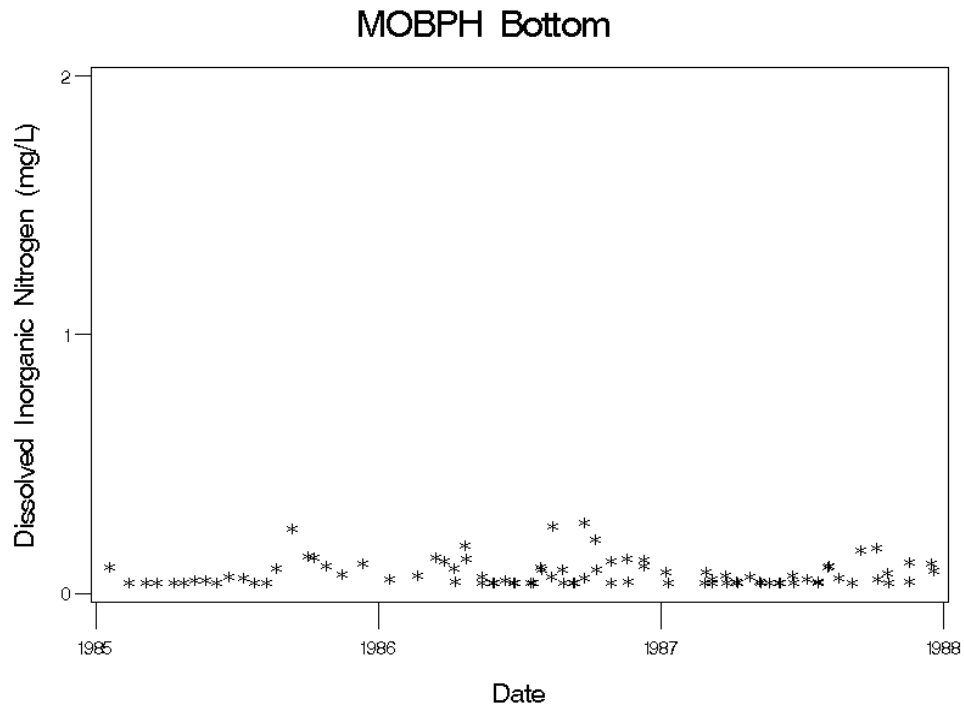


Figure 132. Scatterplots of bottom total nitrogen at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

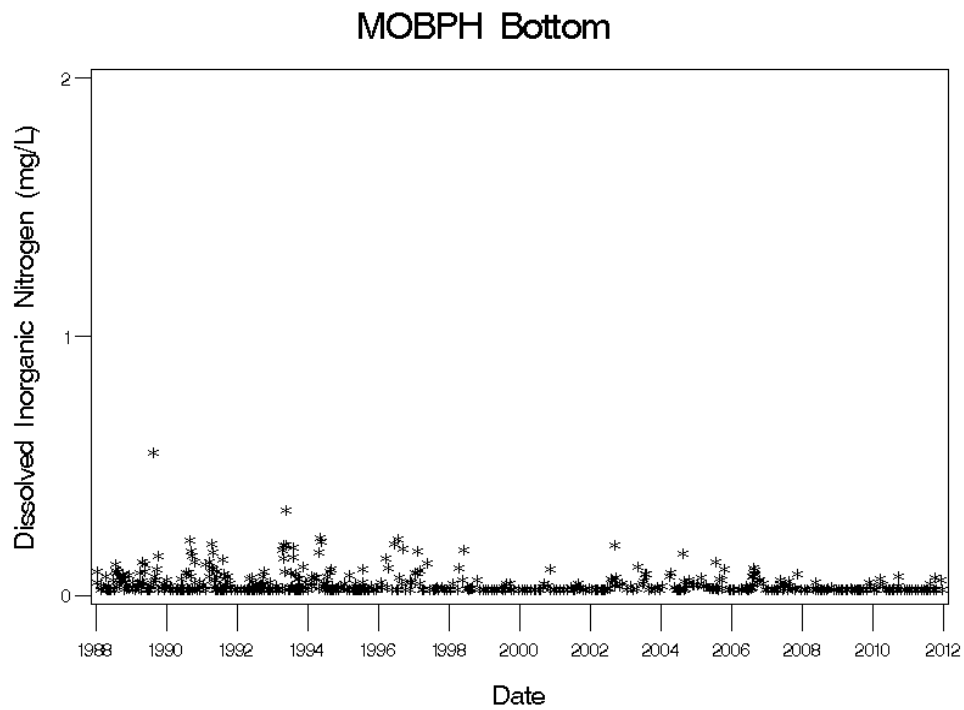
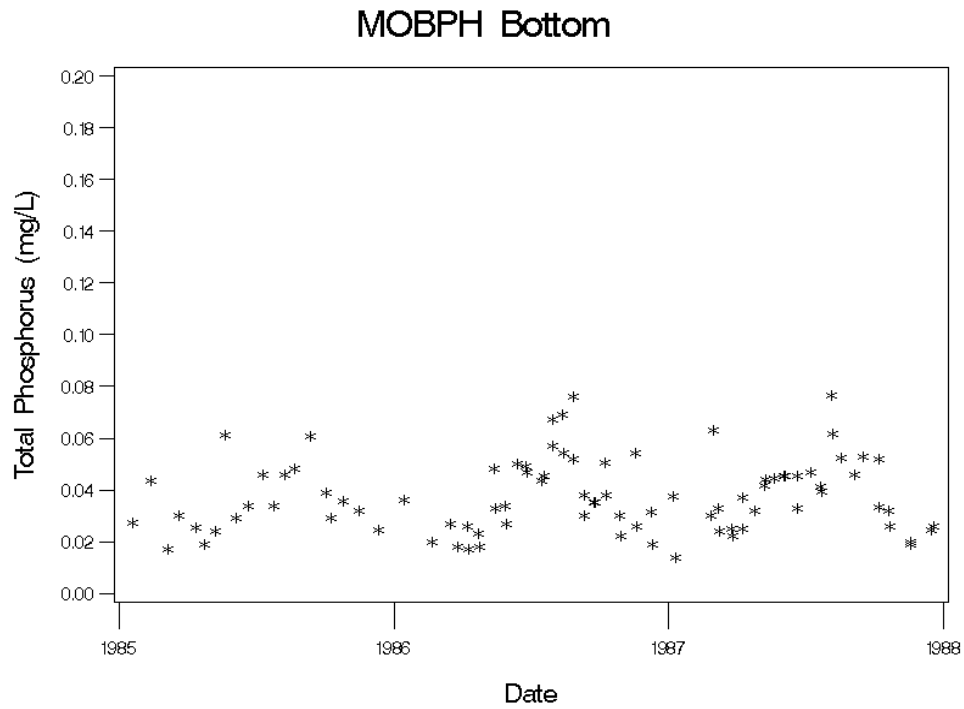


Figure 133. Scatterplots of bottom dissolved inorganic nitrogen at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

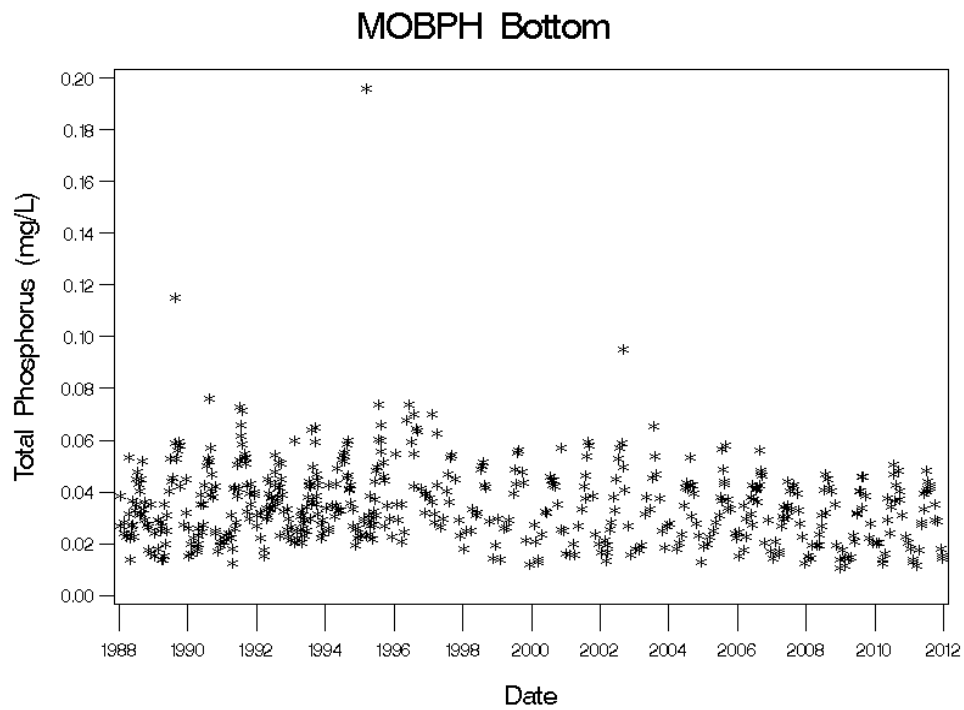
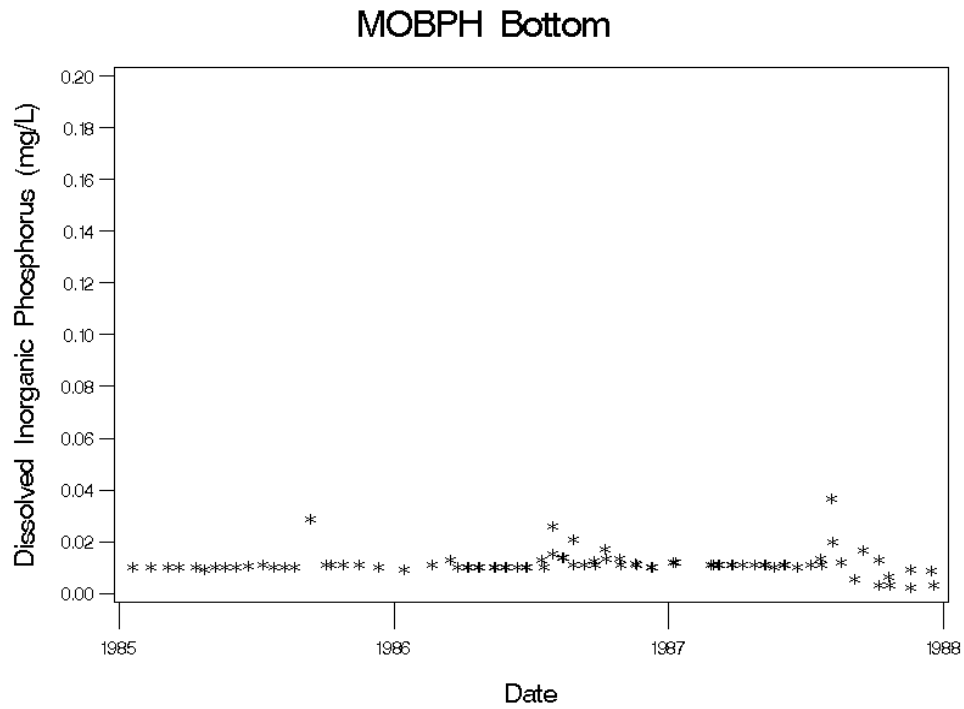


Figure 134. Scatterplots of bottom total phosphorus at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

a) Pre-method change period



b) Post-method change period

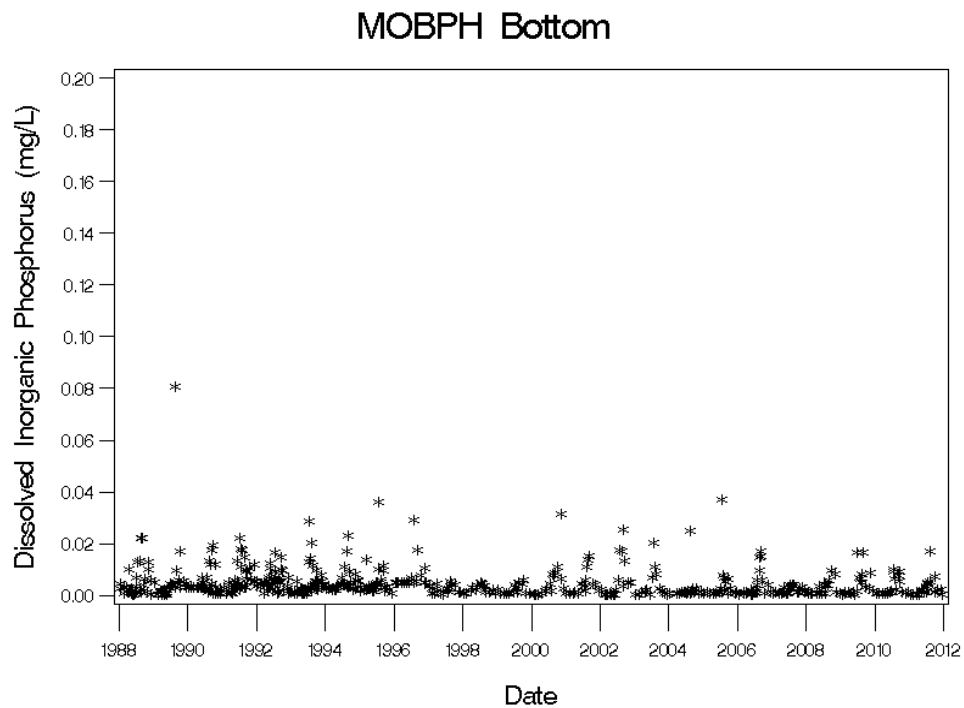


Figure 135. Scatterplots of bottom dissolved inorganic phosphorus at segment MOBPH during the a) Pre-method change (1985-1993) and b) Post-method change (1995-2013) periods.

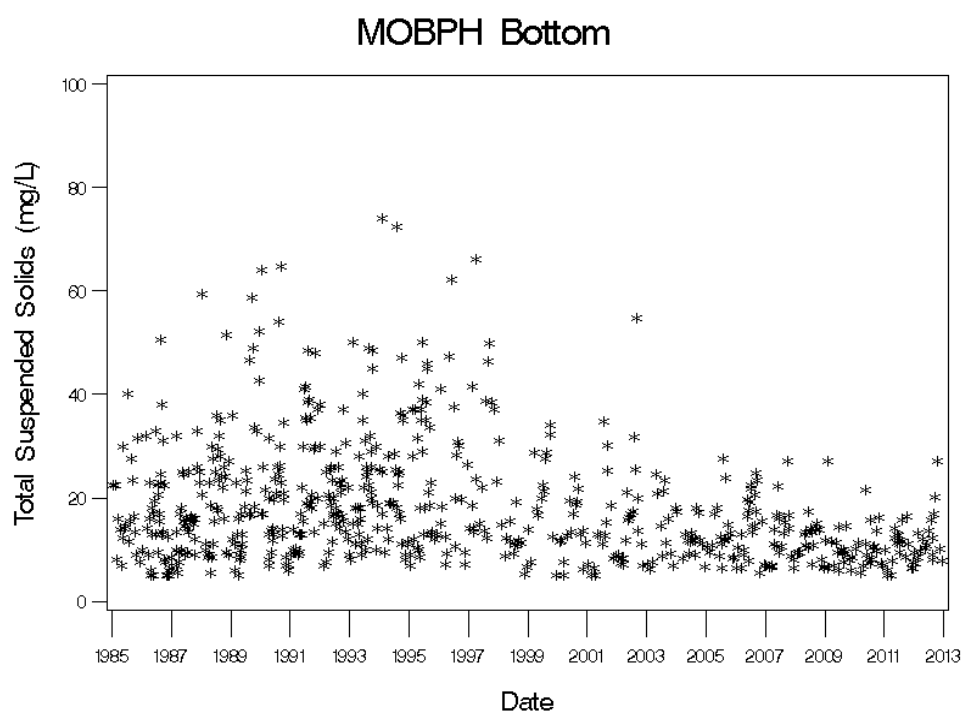


Figure 136. Scatterplot of bottom total suspended solids at segment MOBPH during the period of 1985 to 2013.

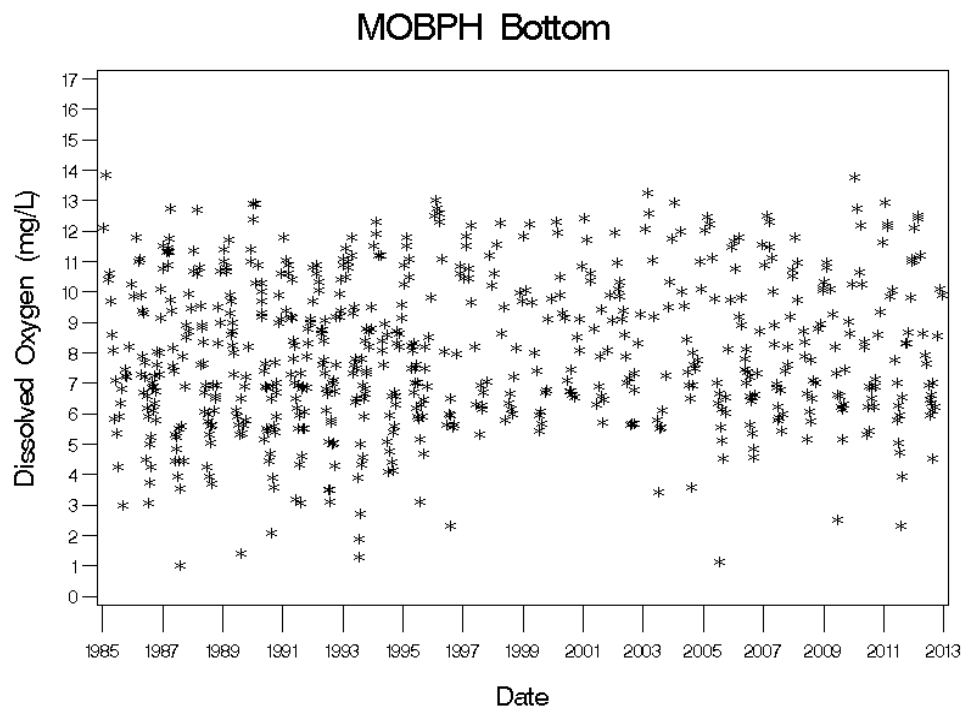


Figure 137. Scatterplot of bottom dissolved oxygen at segment MOBPH during the period of 1985 to 2013.

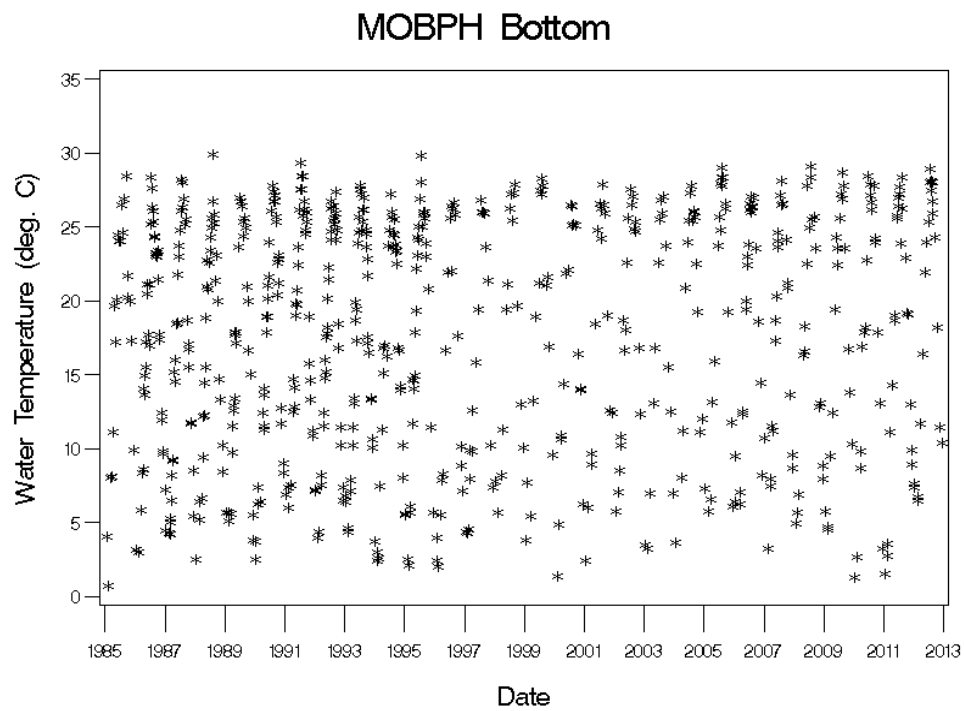


Figure 138. Scatterplot of bottom water temperature at segment MOBPH during the period of 1985 to 2013.

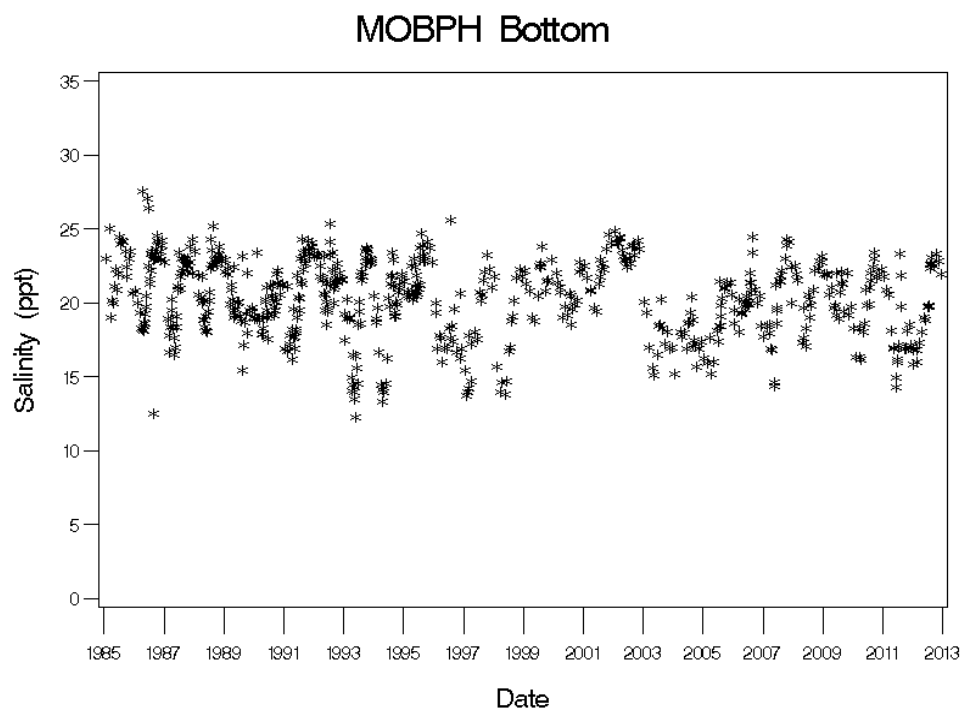


Figure 139. Scatterplot of bottom salinity at segment MOBPH during the period of 1985 to 2013.

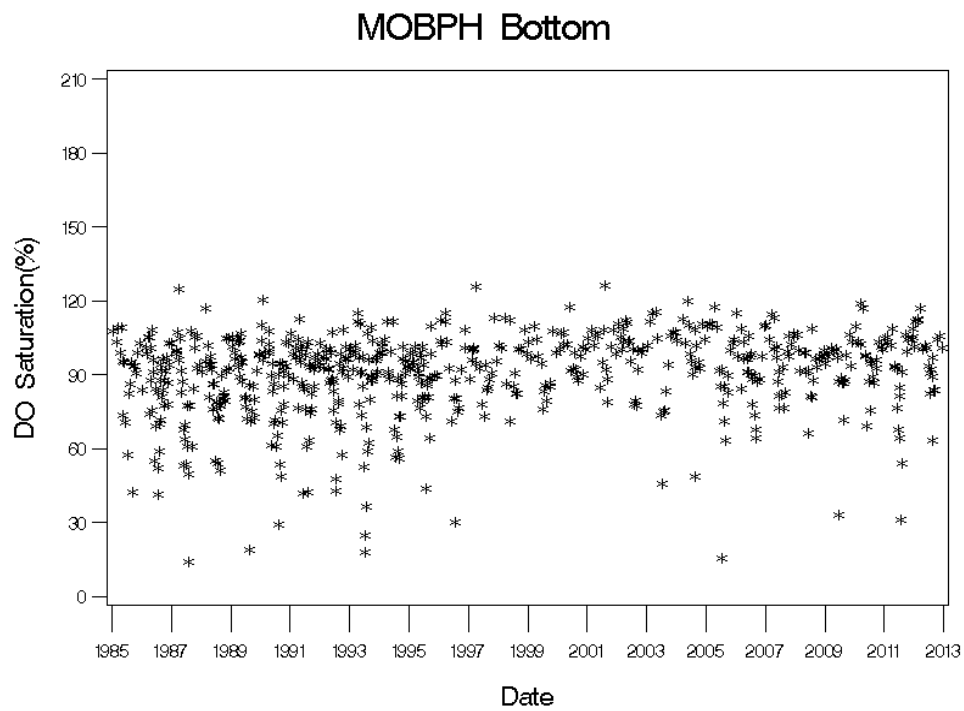


Figure 140. Scatterplot of bottom DO saturation at segment MOBPH during the period 1985 to 2013.