

## LIST OF TABLES

Chapter	Title	Page
<b>CHAPTER III</b>		
	1. Antibiotic Formulations and Preparation.....	25
	2. Antibiotic Concentrations.....	26
	3. Discriminate Analysis Regular Library.....	27
	4. Logistic Regression Regular Library.....	27
	5. Discriminate Analysis Test for Artificial Clustering.....	28
	6. Logistic Regression Test for Artificial Clustering.....	28
	7. Logistic Regression Test for Artificial Clustering with Addition of Extra Isolates.....	29
	8. Group A Water Samples.....	30
	9. Group B Water Samples.....	30
	10. Discriminate Analysis Regular Library with Group A Samples.....	31
	11. Logistic Regression Regular Library with Group A Samples.....	31
	12. Discriminate Analysis and Logistic Regression Regular Library with Group B Samples.....	31
	13. 80% Delete Library Discriminate Analysis with Group A Samples..	32
	14. 80% Delete Library Discriminate Analysis with Group B Samples..	32
	15. 80% Delete Library Logistic Regression Group A Samples.....	33
	16. 80% Delete Library Logistic Regression Group B Samples.....	33
	17. Unknown Category Discriminate Analysis Library with Group A Samples.....	34
	18. Unknown Category Discriminate Analysis Library with Group B Samples.....	35
	19. Unknown Category Logistic Regression Library with Group A Samples.....	35
	20. Unknown Category Logistic Regression Library with Group B Samples.....	36
	21. Unknown Category Logistic Regression Library used for Sample Classification.....	37
<b>CHAPTER IV</b>		
	22. Forty Sampling Stations used in the Appomattox River TMDL Project.....	45-46
	23. Antibiotic Formulations and Preparation.....	47
	24. Antibiotic Concentrations.....	47

<b>Chapter</b>	<b>Title</b>	<b>Page</b>
<b>CHAPTER IV</b>	25. Percent of Samples for Each Station that Exceeded State Standards.....	48-49
	26. Rates of Correct Classification for Each Sampling Station.....	80-81
<b>APPENDIX B</b>	27. DA Unknown Identification Station 2ANG001.27 Angola Creek.....	94
	28. DA Unknown Identification Station 2ANG003.35 Angola Creek.....	94
	29. DA Unknown Identification Station 2APP001.53 Appomattox River.....	94
	30. DA Unknown Identification Station 2APP012.79 Appomattox River.....	94
	31. DA Unknown Identification Station 2APP050.23 Appomattox River.....	94
	32. DA Unknown Identification Station 2APP068.93 Appomattox River.....	95
	33. DA Unknown Identification Station 2APP085.85 Appomattox River.....	95
	34. DA Unknown Identification Station 2APP090.12 Appomattox River.....	95
	35. DA Unknown Identification Station 2APP110.93 Appomattox River.....	95
	36. DA Unknown Identification Station 2APP118.04 Appomattox River.....	95
	37. DA Unknown Identification Station 2APP127.08 Appomattox River.....	96
	38. DA Unknown Identification Station 2BFL002.00 Buffalo Creek.....	96
	39. DA Unknown Identification Station 2BFL011.03 Buffalo Creek.....	96
	40. DA Unknown Identification Station 2BGU001.39 Big Guinea Creek.....	96
	41. DA Unknown Identification Station 2BRI001.00 Briery Creek.....	96
	42. DA Unknown Identification Station 2BRI004.01 Briery Creek.....	97
	43. DA Unknown Identification Station 2BSR002.82 Bush River.....	97
	44. DA Unknown Identification Station 2BSR008.08 Bush River.....	97
	45. DA Unknown Identification Station 2BSR014.67 Bush River.....	97

<b>Chapter</b>	<b>Title</b>	<b>Page</b>
<b>APPENDIX B</b>		
	46. DA Unknown Identification Station 2DPC005.20 Deep Creek.....	97
	47. DA Unknown Identification Station 2FLA001.95 Flat Creek.....	98
	48. DA Unknown Identification Station 2HRE000.44 Horsepen Creek	98
	49. DA Unknown Identification Station 2HRP000.42 Horsepen Creek	98
	50. DA Unknown Identification Station 2LIT002.40 Little Sandy River	98
	51. DA Unknown Identification Station 2LIT005.43 Little Sandy Creek	98
	52. DA Unknown Identification Station 2LIU000.70 Little Saylers Creek.....	99
	53. DA Unknown Identification Station 2LIU002.75 Little Saylers Creek.....	99
	54. DA Unknown Identification Station 2MUC001.49 Mud Creek.....	99
	55. DA Unknown Identification Station 2NBB001.54 Nibbs Creek.....	99
	56. DA Unknown Identification Station 2NBB003.65 Nibbs Creek.....	99
	57. DA Unknown Identification Station 2SFT004.92 Swift Creek.....	100
	58. DA Unknown Identification Station 2SFT019.15 Swift Creek.....	100
	59. DA Unknown Identification Station 2SFT036.00 Swift Creek.....	100
	60. DA Unknown Identification Station 2SPA001.46 Spring Creek.....	100
	61. DA Unknown Identification Station 2SPA006.48 Spring Creek.....	100
	62. DA Unknown Identification Station 2SYL001.26 Saylers Creek.....	101
	63. DA Unknown Identification Station 2SYL003.91 Saylers Creek.....	101
	64. DA Unknown Identification Station 2TNY000.51 Tanyard Branch..	101
	65. DA Unknown Identification Station 2VNS000.31 Vaughns Creek...	101
	66. DA Unknown Identification Station 2WET004.96 West Creek.....	101
	67. LR Unknown Identification Station 2ANG001.27 Angola Creek.....	102
	68. LR Unknown Identification Station 2ANG003.35 Angola Creek.....	102
	69. LR Unknown Identification Station 2APP001.53 Appomattox River	102
	70. LR Unknown Identification Station 2APP012.79 Appomattox River.....	102
	71. LR Unknown Identification Station 2APP050.23 Appomattox River	102
	72. LR Unknown Identification Station 2APP068.93 Appomattox River	103
	73. LR Unknown Identification Station 2APP085.85 Appomattox River	103

<b>Chapter</b>	<b>Title</b>	<b>Page</b>
<b>APPENDIX B</b>		
	74.LR Unknown Identification Station 2APP090.12 Appomattox River	103
	75.LR Unknown Identification Station 2APP110.93 Appomattox River	103
	76.LR Unknown Identification Station 2APP118.04 Appomattox River	103
	77.LR Unknown Identification Station 2APP127.08 Appomattox River	104
	78. LR Unknown Identification Station 2BFL002.00 Buffalo Creek.....	104
	79.LR Unknown Identification Station 2BFL011.03 Buffalo Creek.....	104
	80. LR Station 2BGU001.39 Big Guinea Creek.....	104
	81. LR Unknown Identification Station 2BRI001.00 Briery Creek.....	104
	82. LR Unknown Identification Station 2BRI004.01 Briery Creek.....	105
	83. LR Unknown Identification Station 2BSR002.82 Bush River.....	105
	84. LR Unknown Identification Station 2BSR008.08 Bush River.....	105
	85. LR Unknown Identification Station 2BSR014.67 Bush River.....	105
	86. LR Unknown Identification Station 2DPC005.20 Deep Creek.....	105
	87. LR Unknown Identification Station 2FLA001.95 Flat Creek.....	106
	88. LR Unknown Identification Station 2HRE000.44 Horsepen Creek	106
	89. LR Unknown Identification Station 2HRP000.42 Horsepen Creek	106
	90. LR Unknown Identification Station 2LIT002.40 Little Sandy River	106
	91. LR Unknown Identification Station 2LIT005.43 Little Sandy Creek	106
	92. LR Unknown Identification Station 2LIU000.70 Little Saylers Creek.....	107
	93. LR Unknown Identification Station 2LIU002.75 Little Saylers	107
	94. LR Unknown Identification Station 2MUC001.49 Mud Creek.....	107
	95. LR Unknown Identification Station 2NBB001.54 Nibbs Creek.....	107
	96. LR Unknown Identification Station 2NBB003.65 Nibbs Creek.....	107
	97. LR Unknown Identification Station 2SFT004.92 Swift Creek.....	108
	98. LR Unknown Identification Station 2SFT019.15 Swift Creek.....	108
	99. LR Unknown Identification Station 2SFT036.00 Swift Creek.....	108
	100. LR Unknown Identification Station 2SPA001.46 Spring Creek.....	108
	101. LR Unknown Identification Station 2SPA006.48 Spring Creek.....	108
	102. LR Unknown Identification Station 2SYL001.26 Saylers Creek....	109
	103. LR Unknown Identification Station 2SYL003.91 Saylers Creek....	109
	104. LR Unknown Identification Station 2TNY000.51 Tanyard Branch	109
	105. LR Unknown Identification Station 2VNS000.31 Vaughns Creek	109
	106. LR Unknown Identification Station 2WET004.96 West Creek.....	109

<b>Chapter</b>	<b>Title</b>	<b>Page</b>
<b>APPENDIX C</b>		
	107. Station 2ANG001.27 Angola Creek .....	110
	108. Station 2ANG003.35 Angola Creek.....	110
	109. Station 2APP001.53 Appomattox River.....	110
	110. Station 2APP012.79 Appomattox River.....	111
	111. Station 2APP050.23 Appomattox River.....	111
	112. Station 2APP068.93 Appomattox River.....	111
	113. Station 2APP085.85 Appomattox River.....	112
	114. Station 2APP090.12 Appomattox River.....	112
	115. Station 2APP110.93 Appomattox River.....	112
	116. Station 2APP118.04 Appomattox River.....	113
	117. Station 2APP127.08 Appomattox River.....	113
	118. Station 2BFL002.00 Buffalo Creek.....	113
	119. Station 2BFL011.03 Buffalo Creek.....	114
	120. LR Station 2BGU001.39 Big Guinea Creek.....	114
	121. Station 2BRI001.00 Briery Creek.....	114
	122. Station 2BRI004.01 Briery Creek.....	115
	123. Station 2BSR002.82 Bush River.....	115
	124. Station 2BSR008.08 Bush River.....	115
	125. Station 2BSR014.67 Bush River.....	116
	126. Station 2DPC005.20 Deep Creek.....	116
	127. Station 2FLA001.95 Flat Creek.....	116-117
	128. Station 2HRE000.44 Horsepen Creek.....	117
	129. Station 2HRP000.42 Horsepen Creek.....	117
	130. Station 2LIT002.40 Little Sandy River.....	117-118
	131. Station 2LIT005.43 Little Sandy Creek.....	118
	132. Station 2LIU000.70 Little Saylers Creek.....	118
	133. Station 2LIU002.75 Little Saylers Creek.....	119
	134. Station 2MUC001.49 Mud Creek.....	119
	135 Station 2NBB001.54 Nibbs Creek.....	119-120
	136. Station 2NBB003.65 Nibbs Creek.....	120
	137. Station 2SFT004.92 Swift Creek.....	120
	138. Station 2SFT019.15 Swift Creek.....	120-121

<b>Chapter</b>	<b>Title</b>	<b>Page</b>
<b>APPENDIX C</b>		
	139. Station 2SFT036.00 Swift Creek.....	121
	140. 2SPA001.46 Spring Creek.....	121
	141. Station 2SPA006.48 Spring Creek.....	121-122
	142. Station 2SYL001.26 Saylers Creek.....	122
	143. Station 2SYL003.91 Saylers Creek.....	122
	144. Station 2TNY000.51 Tanyard Branch.....	122-123
	145. Station 2VNS000.31 Vaughns Creek.....	123
	146. Station 2WET004.96 West Creek.....	123