



Appendix A

Photographs

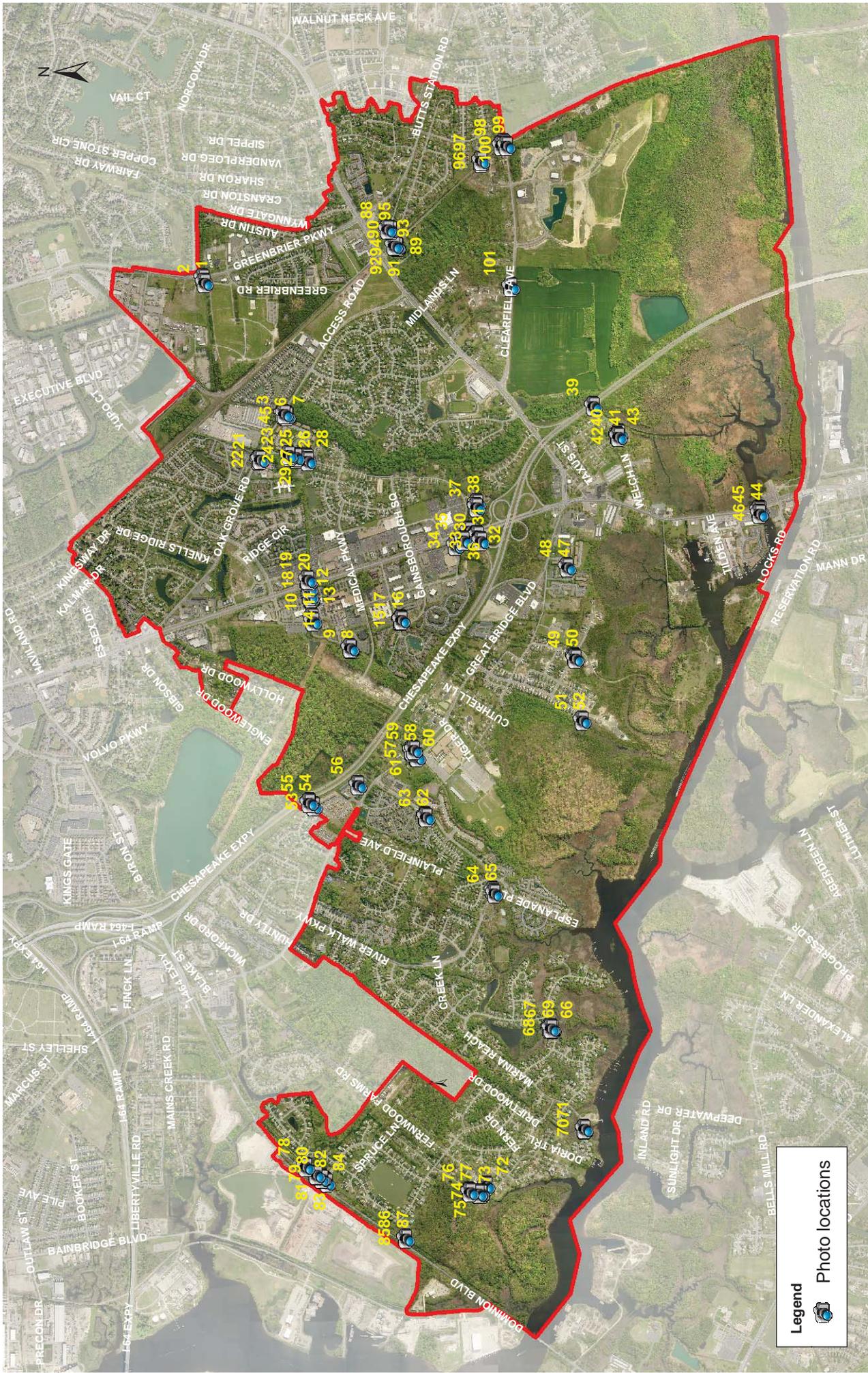


**US Army Corps
of Engineers**
Norfolk District

Chesapeake
VIRGINIA

Department of Public Works

URS



Aerial Imagery © 2008 Commonwealth of Virginia.

Figure A.1. Oak Grove Watershed - Photo Locations



Photo 1. Node 118 - looking at culvert inlet



Photo 2. Node 120 - looking downstream



Photo 3. Node 151 - looking at culvert inlet



Photo 4. Node 151 - looking at ditch



Photo 5. Node 151 - looking at sediment built up before culvert (1)



Photo 6. Node 151 - looking at sediment built up before culvert (2)



Photo 7. Node 151 - looking upstream



Photo 8. Node 207 - looking downstream



Photo 9. Node 207 - looking upstream



Photo 10. Node 212 - looking upstream



Photo 11. Node 213 - looking downstream



Photo 12. Node 216 - looking at downstream culvert outlet



Photo 13. Node 216 - looking at downstream



Photo 14. Node 216 - looking at upstream



Photo 15. Node 225 - looking at outfall structure (1)



Photo 16. Node 225 - looking at outfall structure (2)



Photo 17. Node 225 - looking at outfall structure (3)



Photo 18. Node 237 - looking at upstream



Photo 19. Node 239 - looking at culvert outlet



Photo 20. Node 239 - looking downstream



Photo 21. Node 266 - looking at culvert



Photo 22. Node 266 - looking downstream



Photo 23. Node 272 - looking at culvert inlet



Photo 24. Node 272 - looking upstream



Photo 25. Node 274 - looking at pipe inlet



Photo 26. Node 274 - looking upstream



Photo 27. Node 276 - looking at ditch



Photo 28. Node 278 - looking at bridge



Photo 29. Node 278 - looking downstream



Photo 30. Node 335 - looking at culvert outlet



Photo 31. Node 336 - looking at culvert inlet



Photo 32. Node 336 - looking upstream (1)



Photo 33. Node 336 - looking upstream (2)



Photo 34. Node 338 - looking at BMP and outfall structure



Photo 35. Node 338 - looking at outfall structure



Photo 36. Node 345 - looking downstream



Photo 37. Node 356 - looking upstream



Photo 38. Node 357 - looking downstream



Photo 39. Node 400 - looking downstream



Photo 40. Node 406 - looking at culvert inlet



Photo 41. Node 406 - looking upstream



Photo 42. Node 409 - looking at culvert outlet



Photo 43. Node 409 - looking downstream



Photo 44. Node 423 - looking upstream



Photo 45. Node 424 - looking at bridge



Photo 46. Node 424 - looking downstream



Photo 47. Node 452 - looking at ditch (1)



Photo 48. Node 452 - looking at ditch (2)



Photo 49. Node 485 - looking at pipe outlet



Photo 50. Node 485 - looking downstream



Photo 51. Node 493 - looking at pipe outlet



Photo 52. Node 493 - looking downstream



Photo 53. Node 517 - looking at BMP and outfall structure



Photo 54. Node 519 - looking at ditch



Photo 55. Node 519 - looking downstream



Photo 56. Node 523 - looking at outfall structure



Photo 57. Node 537 - looking at culvert inlet



Photo 58. Node 537 - looking upstream toward Photo 1. Node 529



Photo 59. Node 537 - looking upstream toward Photo 1. Node 535



Photo 60. Node 545 - looking at culvert outlet



Photo 61. Node 545 - looking downstream



Photo 62. Node 561 - looking at junction



Photo 63. Node 562 - looking inside junction



Photo 64. Node 618 - looking at culvert outlet



Photo 65. Node 618 - looking downstream



Photo 66. Node 688 - looking downstream (1)



Photo 67. Node 688 - looking downstream (2)



Photo 68. Node 688 - looking upstream at retention area (Photo 1. Node 685) (1)



Photo 69. Node 688 - looking upstream at retention area (Photo 1. Node 685) (2)



Photo 70. Node 708 - looking upstream



Photo 71. Node 709 - looking downstream



Photo 72. Node 725 - looking at road toward Photo 1. Node 728



Photo 73. Node 728 - looking at a nearby submerged curb inlet



Photo 74. Node 728 - looking at road toward Photo 1. Node 734



Photo 75. Node 728 - looking downstream



Photo 76. Node 734 - looking at road toward Cherrytree Ln.



Photo 77. Node 734 - looking at submerged curb inlet



Photo 78. Node 751 - looking at ditch



Photo 79. Node 754 - looking at ditch between Photo 1. Nodes 751 and 754



Photo 80. Node 754 - looking toward Photo 1. Node 754



Photo 81. Node 754 - looking upstream (1)



Photo 82. Node 754 - looking upstream (2)



Photo 83. Node 755 - looking downstream (1)



Photo 84. Node 755 - looking downstream (2)



Photo 85. Node 769 - looking at pipe outlet from Photo 1. Node 767



Photo 86. Node 769 - looking downstream



Photo 87. Node 769 - looking upstream



Photo 88. Node 833 - looking upstream



Photo 89. Node 835 - looking at outfall structure (1)



Photo 90. Node 835 - looking at unfinished BMP



Photo 91. Node 835 - outfall structure (2)



Photo 92. Node 835 - outfall structure (3)



Photo 93. Node 835 - outfall structure (4)



Photo 94. Node 835 - outfall structure (5)



Photo 95. Node 840 - looking downstream



Photo 96. Node 874 - looking at outfall from Photo 1. Node 872



Photo 97. Node 874 - looking downstream



Photo 98. Node 881 - looking at culvert inlet



Photo 99. Node 881 - looking upstream



Photo 100. Node 882 - looking downstream



Photo 101. Node 896 - looking downstream