

## LIST OF FIGURES

<b>Figure</b>	<b>Page</b>
1. Conceptual watershed cross-section .....	1
2. Watershed locator maps .....	1
3. Pike River and direct drainage watersheds.....	2
4. Phases of glaciations in Wisconsin.....	13
5. Level III and IV Wisconsin Ecoregions.....	14
6. Historic land cover .....	18
7. 1937 Aerial photography .....	19
8. 2010 Aerial photography .....	20
9. Digital elevation model.....	22
10. Subwatershed management units (SMU's).....	24
11. Topographic Drainage and Subwatersheds of the direct drainage.....	27
12. Extent of subsurface drainage tiles .....	28
13. Hydric soil groups.....	30
14. Highly and potentially highly erodible soils .....	31
15. Hydrologic soil groups.....	33
16. Watershed jurisdictions.....	36
17. Population change year 2000 - 2035 .....	41
18. Household change year 2000 - 2035.....	42
19. Employment change year 2000 - 2035 .....	43
20. Transportation network.....	46
21. Distribution of open, partially open, developed, and unknown parcels .....	47
22. 2010 Open, partially open, and developed parcels .....	48
23. Distribution of private and public open and partially open parcels.....	49
24. Distribution of protected and unprotected open and partially open parcels.....	49
25. Public vs. private ownership of open and partially open parcels .....	51
26. Protection status of open and partially open parcels.....	52
27. Open space parcel prioritization.....	54
28. Existing green infrastructure network .....	58
29. SEWRPC environmental corridors.....	60
30. SEWRPC Farmland Classifications .....	62
31. Ecologically significant areas.....	67
32. Land use/ land cover .....	72
33. Predicted (2030/2035) land use changes.....	75
34. Relationship between impervious surfaces, evapotransportation & infiltration .....	76
35. Impervious cover classification by SMU.....	81
36. Predicted impervious cover classification by SMU .....	82
37. Vulnerability ranking of SMUs .....	83
38. Conventional vs. conservation development design .....	84
39. Example of stormwater treatment train within conservation development .....	85
40. Greener streetscape using LID practices .....	85
41. Coded stream reaches .....	89
42. Degree of channelization.....	99
43. Degree of erosion .....	103
44. Ecological condition of riparian areas .....	107
45. Lakes, ponds, and detention basins .....	111

46. Agricultural Lands .....	113
47. Presettlement and existing wetlands (2005).....	116
48. Potential wetland restoration sites.....	121
49. Potential ravine & brownfield restoration sites.....	125
50. 100-year floodplain and floodway depiction .....	126
51. FEMA 100-yr floodplain and flood problem areas .....	128
52. Aquifer Systems in Southeastern Wisconsin .....	129
53. Simulated drawdowns for SEWRPC Region between 1860 and 2000 .....	130
54. Groundwater Recharge Potential .....	131
55. Groundwater Contamination Potential .....	133
56. Physical-Chemical & Biological Sample Sites .....	141
57. Estimated contributions to existing (2012) loading .....	152
58. Pollutant Load "Hot Spot" SMUs .....	155
59. Critical Areas .....	163
60. Streambank and channel restoration.....	181
61. Ravine & Brownfield Restoration Sites.....	183
62. Naturalized detention basin design recommendations .....	187
63. Detention basin retrofits and maintenance.....	188
64. Wetland restoration .....	190
65. Riparian area restoration and maintenance.....	193
66. Agriculture Land Management .....	196
67. Other management measures .....	198
68. Green Infrastructure Design .....	221
69. Aerial view of Green Infrastructure Priority Protection Area 8 .....	223
70. Aerial view of Green Infrastructure Priority Protection Area 9 .....	224
71. Aerial view of Green Infrastructure Priority Protection Area 10 .....	224
72. Green Infrastructure priority protection areas.....	225
73. Existing water quality sampling locations .....	243
74. Proposed water quality sampling locations .....	246
75. Example of the Fish Habitat Rating for Streams .....	249
76. Steps to measure social indicators.....	250