

APPENDIX

MAY 2010

water resources

FUNCTIONAL PLAN



Appendix 2

Selected Maps and Tables from Chapter 2 of the Water and Sewer Plan



MONTGOMERY COUNTY PLANNING DEPARTMENT
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION

MontgomeryPlanning.org

Water and Sewer Plan, Chapter 2: General Background

Chapter 2 of the Water and Sewer Plan provides an overview of the natural and cultural environments of Montgomery County “relevant to issues involving water supply, sewerage systems, rural sanitation planning, and water resources.”

The following maps and other graphics depict information related to watersheds, stream classifications, topography, and other natural features such as soils, geology, and groundwater that are the background for resource protection.

This chapter also includes cultural background including planning issues demographics, land use, and development patterns. This information, in coordination with the policies adopted in the County’s General Plan as amended by master and sector plans, is used to identify areas of the County subject to development, and that may require new or expanded water supply and sewerage systems.

Selected Maps and Tables

Figure 2-F4: Generalized Aquifer Map

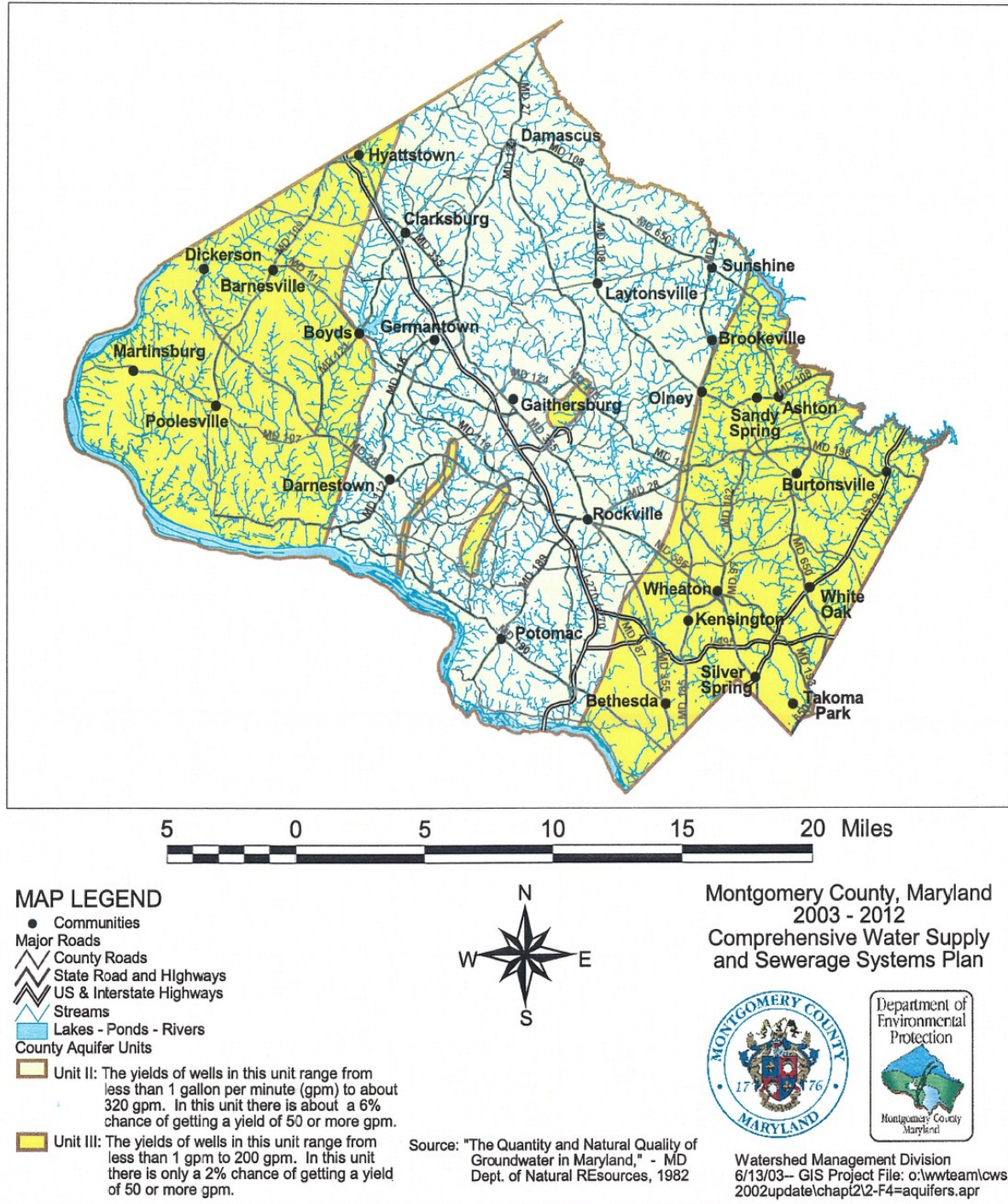


Table 2-T2: County Watershed Drainage Areas			
Watershed	Area (acres)	Watershed	Area (acres)
Anacostia River Watersheds	38,062	Potomac River (Direct) Watersheds	206,231
Little Paint Branch	3,496	Broad Run	9,227
Northwest Branch	19,603	Cabin John Creek	15,836
Paint Branch	9,453	Dry Seneca Creek	12,335
Sligo Creek	5,510	Great Seneca Creek	45,679
Monocacy River Watersheds	31,903	Horsepen Branch	6,733
Bennett Creek	6,179	Little Falls Branch	3,184
Fahrney Branch	829	Little Seneca Creek	25,145
Furnace Branch	493	Minehaha Branch	909
Little Bennett Creek (2 parts)	12,831	Muddy Branch	12,163
Little Monocacy River	11,571	Potomac River Direct	18,155
Monocacy River Direct	340	Rock Creek	39,363
Patuxent River Watersheds	38,498	Rock Run	3,211
Hawlings River	18,017	Watts Branch	14,291
Lower Patuxent River	7,226		
Upper Patuxent River	13,255	Total County Watersheds	314,694
Source: Countywide Stream Protection Strategy, Feb. 1998			

Figure 2-F5: Major Watersheds

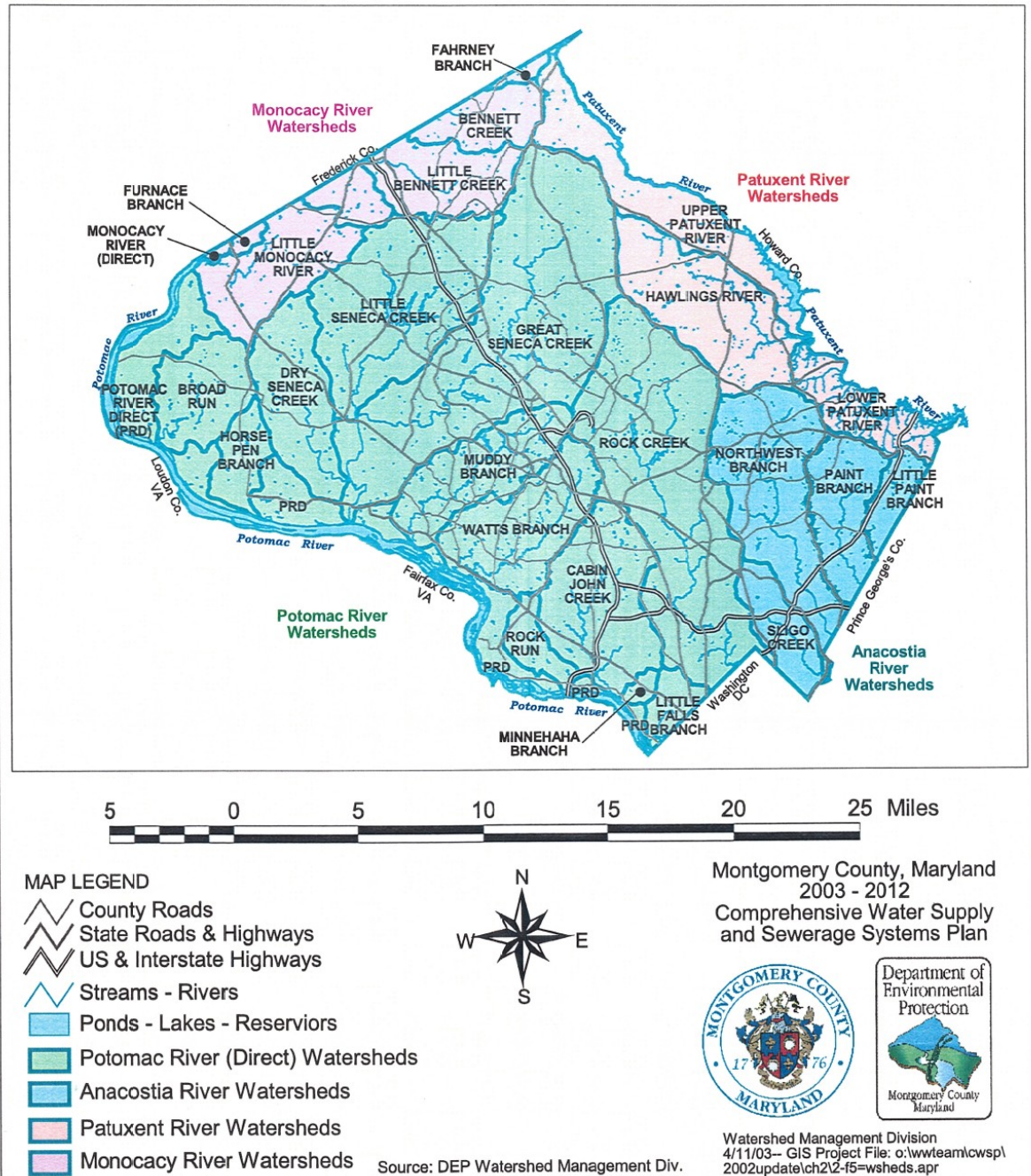


Table 2-T3: State Watershed Use Designations	
Designation	Definition
Use III	Natural trout waters. Waters which are suitable for the growth and propagation of trout, and which are capable of supporting self-sustaining trout populations and their associated food organisms.
Use III-P	Natural trout waters and public water supply. Waters which include all uses identified for Use III waters and are used as a public water supply.
Use IV	Recreational trout waters. Waters which are capable of holding or supporting adult trout for put and take fishing, and which are managed as a special fishery by periodic stocking and seasonal catching (cold or warm waters).
Use IV-P	Recreational trout waters and public water supply. Waters which include all uses identified for Use IV waters and are used as a public water supply.
Use I	Water contact recreation and protection of aquatic life. Waters which are suitable for: water contact sports, play and leisure time activities where the human body may come in direct contact with the surface water; fishing; the growth and propagation of fish (other than trout); other aquatic life, and wildlife; agricultural water supply; and industrial water supply.
Use I-P	Water contact recreation, protection of aquatic life and public water supply. Waters which are suited for all uses identified in Use I and are used as a public water supply.
Use II	Shellfish harvesting waters. Waters where shellfish are propagated, stored or gathered for marketing purposes; and where there are actual or potential areas for the harvesting of oysters, softshell clams, hardshell clams, and brackish water clams. (<i>Note: There are no Use II waters within Montgomery County.</i>)

Figure 2-F7: State Water Use Designations

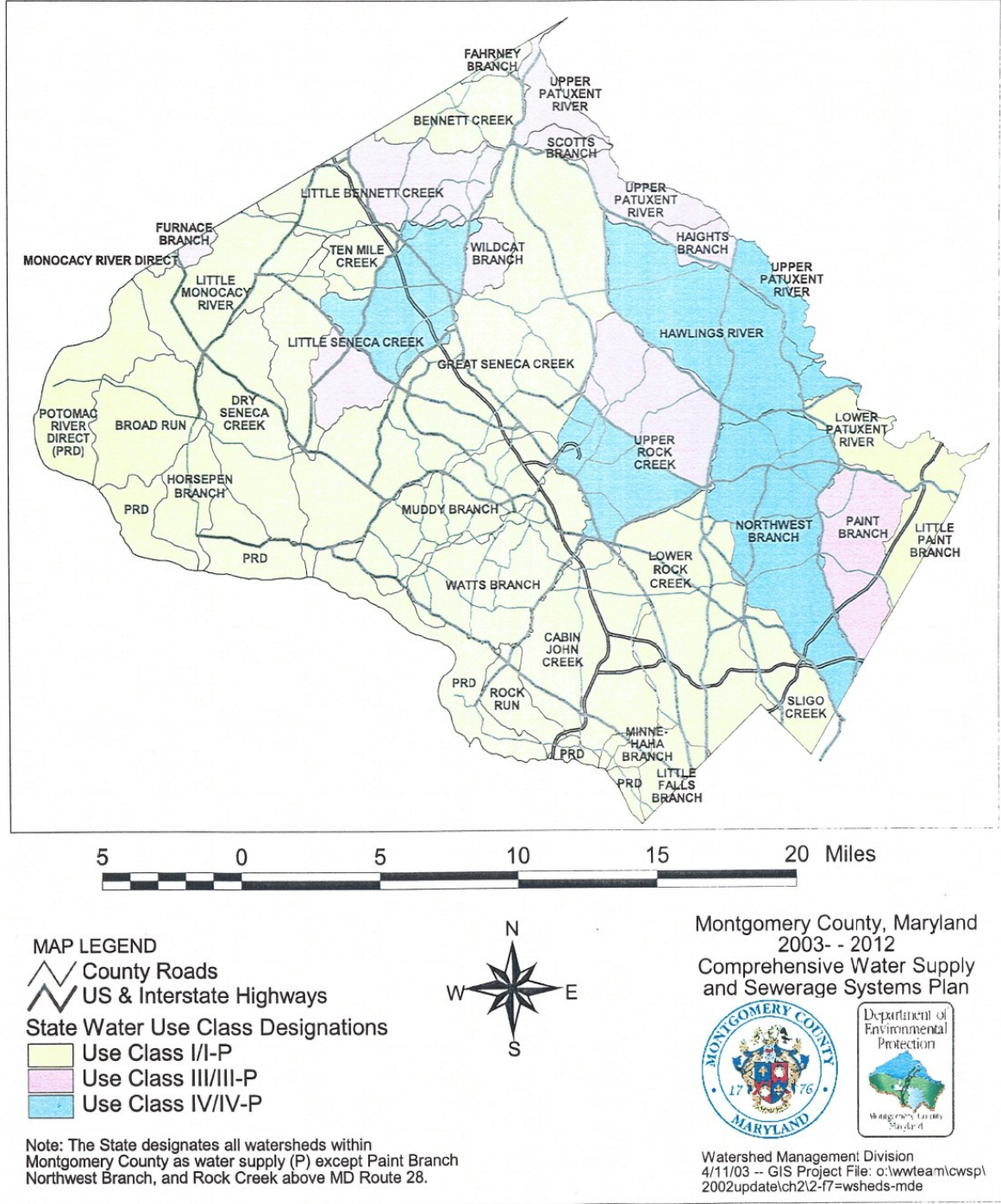


Figure 2-F9: Wedges & Corridors Geographic Components

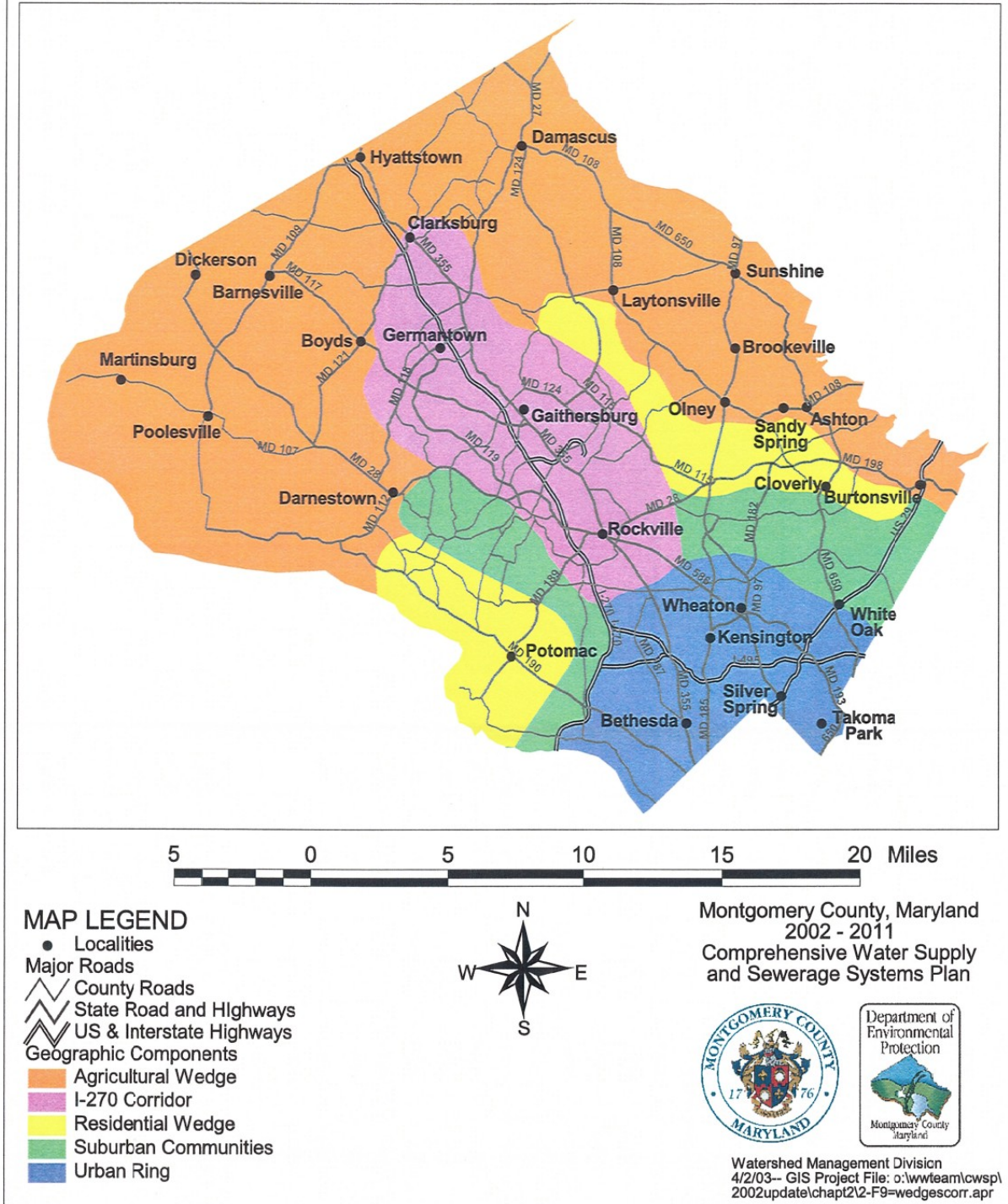


Figure 2-F10: Smart Growth Areas

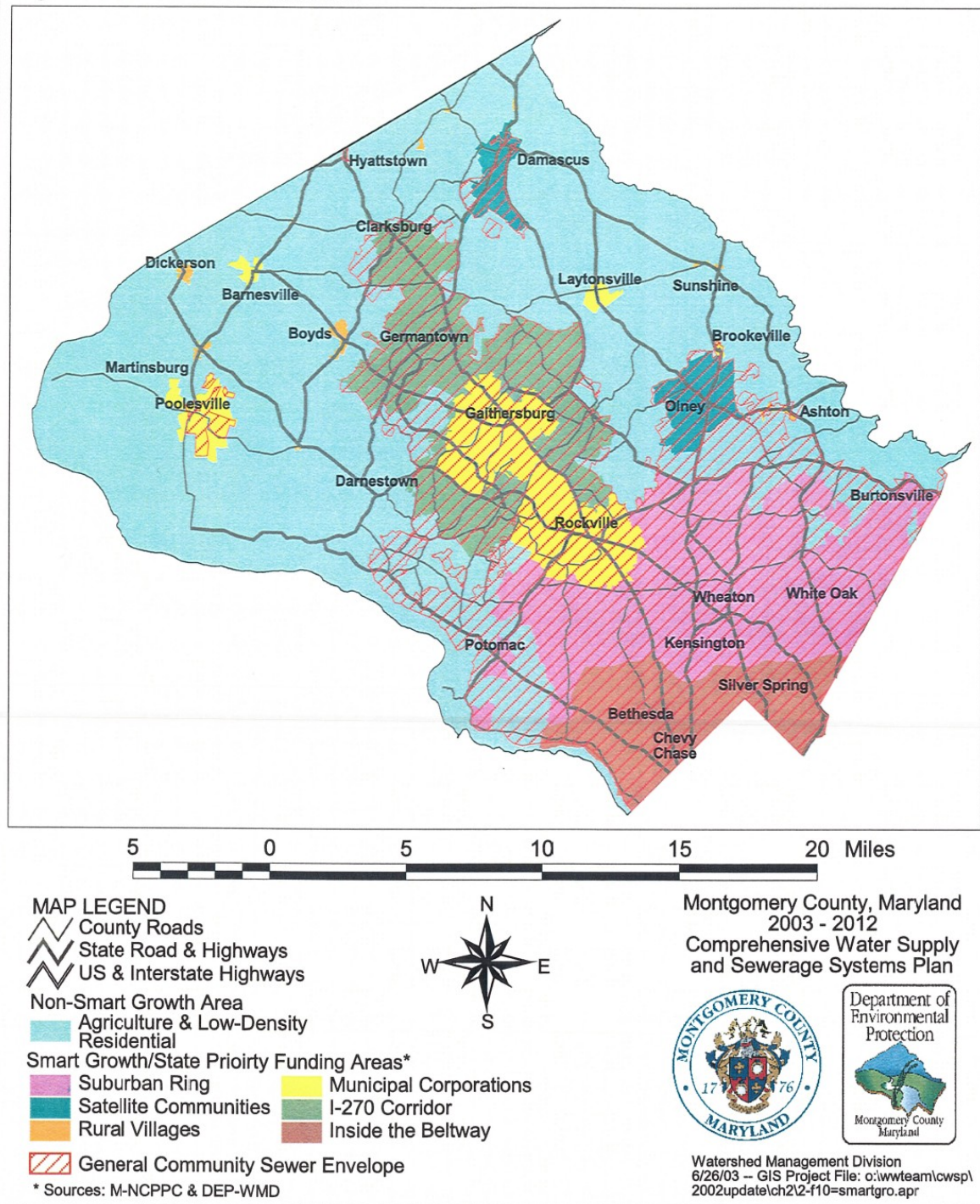
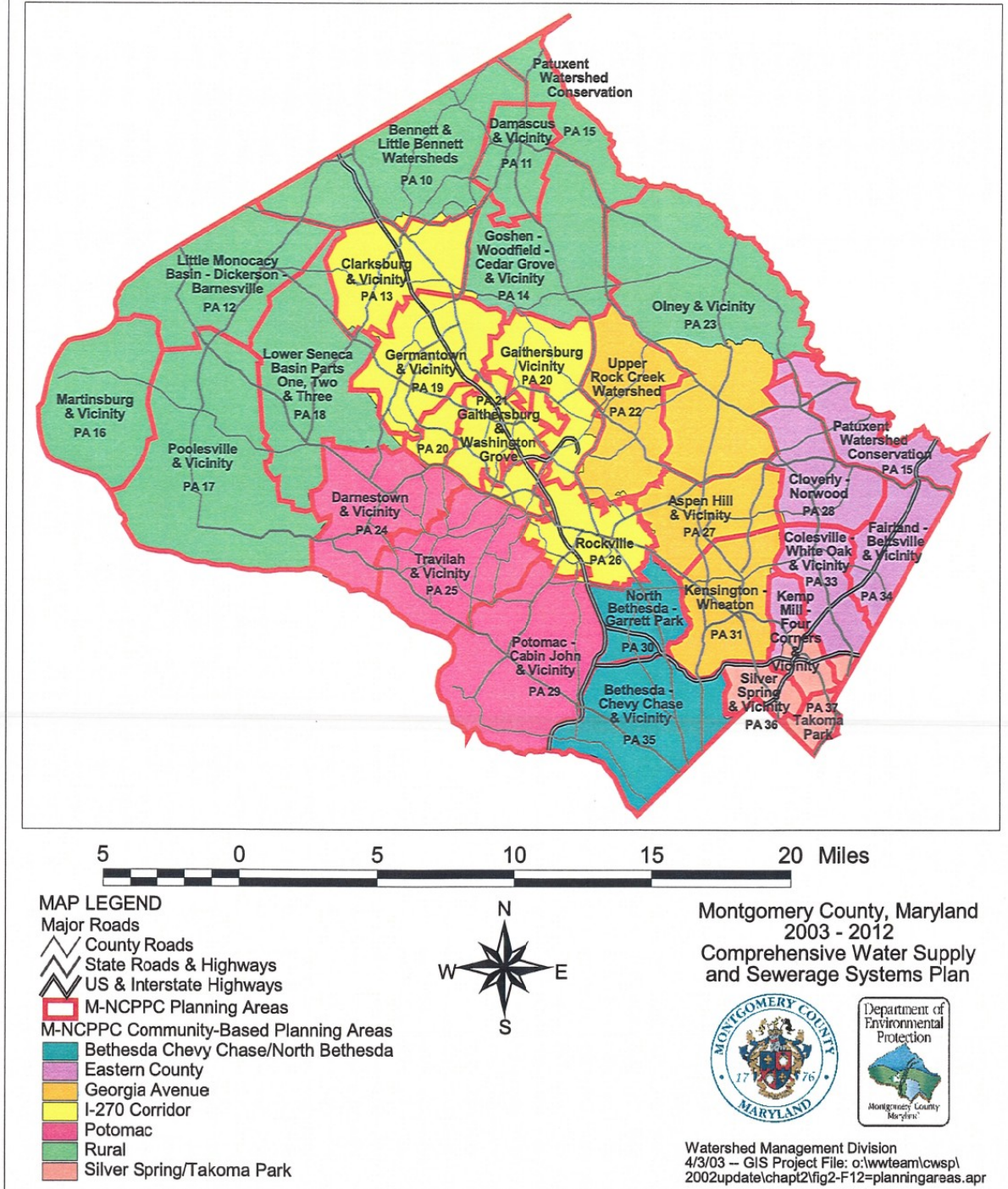


Figure 2-F12: M-NCPPC Planning Areas



For more detailed general background information, see Chapter 2 of the Water and Sewer Plan.