

## Appendix D: List of Maps

### List of Maps

#### **Appendix A: History of Wisconsin's Forests**

Map A1: Wisconsin's Native Vegetation 1832-1866

Map A2: Current Wisconsin Land Cover

#### **Criterion One: Conservation of Biological Diversity**

Map 1.a: Density of forest canopy cover

Map 1.b: Urban forest extent

Map 2.a: Original vegetation cover of Wisconsin

Map 2.b: Original vegetation of Wisconsin: northern hardwoods (maple/beech/birch) and hemlock

Map 2.c: Original vegetation of Wisconsin: oak

Map 2.d: Original vegetation of Wisconsin: pine

Map 3.a: Fragmentation: forest patch size

Map 3.b: Lands with legal limitations on conversion

Map 3.c: Fragmentation: distance from forest to road

Map 3.d: Housing density changes, 1940, 1990, 2030

Map 4.a: Comparison of 2010 over-winter deer population estimates to goals

#### **Criterion Three: Maintenance of Forest Ecosystem Health and Vitality**

Map 7.a: Modeled changes in annual average temperature

Map 7.b: Observed changes in annual average temperature

Map 7.c: Future risk of mortality to oak due to defoliation by gypsy moth and other summer defoliators

Map 7.d: Areas at low, moderate, and high levels of risk for experiencing 25% or more tree mortality over 15 years due to native and exotic insects and diseases

Map 7.e: Area of forest land defoliated by the forest tent caterpillar in the 1980's

Map 7.f: Area of forest land defoliated by the forest tent caterpillar in the 1990's

Map 7.g: Area of forest land defoliated by the forest tent caterpillar in the 2000's

Map 7.h: Area of forest land defoliated by the jack pine budworm during the 1980's

Map 7.i: Area of forest land defoliated by the jack pine budworm during the 1990's

Map 7.j: Area of forest land defoliated by the jack pine budworm during the 2000's

Map 7.k: Area of forest land defoliated by basswood thrips during the 1980's

Map 7.l: Area of forest land defoliated by basswood thrips during the 1990's

Map 7.m: Area of forest land defoliated by basswood thrips during the 2000's

Map 7.n: Area of forest land defoliated by the gypsy moth, 2002 – 2008

Map 7.o: Average basal area of white and green ash

Map 7.p: Average basal area of black ash

Map 7.q: UW Herbarium website for *Polygonum cuspidatum* distribution

#### **Criterion Four: Conservation and Maintenance of Soil and Water Resources**

Map 10.a: Forest lands with a management focus on protecting soil and water resources

Map 10.b: Timber harvests monitored for soil disturbance guidelines

Map 10.c: Forestry BMPs for water quality: timber harvest monitored 1995-2008

Map 10.d: Impaired stream miles by watershed  
Map 11.a: Percentage of forested riparian areas  
Map 11.b: Forest land by watershed  
Map 11.c: Average percent impervious surfaces in HUC 10 watersheds  
Map 11.d: Northeastern Area Development Pressure on Forests and Drinking Water Supplies  
Map 11.e: Development pressure on private forests in Wisconsin

**Criterion Five: Maintenance of Global Contribution to Forest Carbon Cycles**

Map 12.a: Tons of forest biomass by county (oven-dry weight)

**Criterion Six: Socioeconomic benefits of forests and their ecosystem services**

Map 13.a: 2005 production/consumption ratio of roundwood  
Map 14.a: Lands open to public recreation  
Map 14.b: Relative supply of recreation by type  
Map 16.a: Percentage change in Wisconsin population grid 1990 to 2008  
Map 16.b: Percentage change in Wisconsin forest land sale prices 1990 to 2007  
Map 16.c: Forest land ownership  
Map 16.d: All Wisconsin public land  
Map 16.e: Lands identified in the Wisconsin Stewardship GAP Dataset  
Map 16.f: Wisconsin Forest Legacy Areas  
Map 16.g: Land trusts by county  
Map 16.h: Forest land in property tax incentive programs  
Map 16.i: MFL entries – absolute change, 1999-2008  
Map 16.j: MFL acreage – absolute change, 1999-2008  
Map 16.k: MFL acreages – percentage change, 1999-2008

**Criterion Seven: Legal and Institutional Framework for Forest Conservation and Sustainable Management**

Map 19.a: Communities at risk