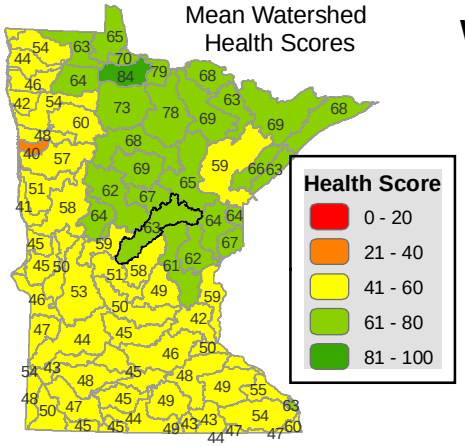
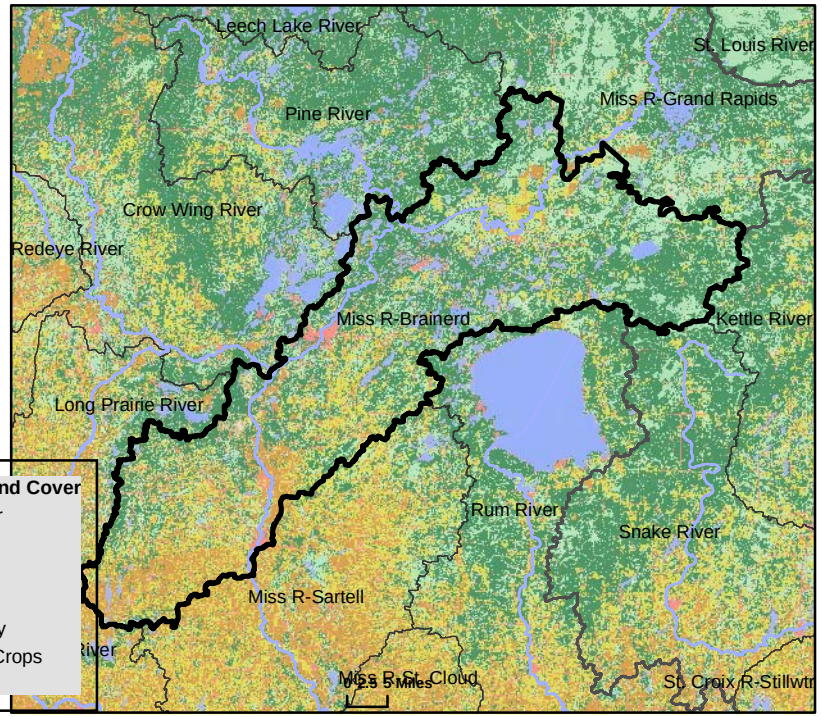
Miss R-Brainerd

WATERSHED HEALTH ASSESSMENT SCORES



Mean (average) Health Score 63
Minimum Health Index Score 12
Minimum Health Index: Connectivity - Aquatic

Watershed Assessment Tool
http://www.dnr.state.mn.us/watershed_tool



Watershed Health Scores compare and rank various aspects of ecological health across Minnesota. Index values are based on a variety of data sources, calculations and scientific approaches. Each index is scored on a scale from 0 to 100, with 0 being the least desirable result or condtion to 100 being the best existing condition or most desirable result. Major watershed scale rankings may mask the range of conditions that occur at more local scales. A high score may indicate the least impacted condition in Minnesota, not necessarily a healthy condition.

COMPONENT SCORES

HYDROLOGY

Mean (Ave.) 84
Minimum Index 68

INDEX SCORES

Perennial Cover	83
Impervious Cover	89*
Withdrawal	97*
Storage	81
Flow Variability	68

Metric Sub-Scores
Storage:

Stream/Ditch Ratio	65
Surface storage	96

GEOMORPHOLOGY

Mean (Ave.) 67
Minimum Index 49

INDEX SCORES

Soil Erosion Susceptibility	76
Groundwater Susceptibility	49
Climate Vulnerability	75

BIOLOGY

Mean (Ave.) 45
Minimum Index 23

INDEX SCORES

Terrestrial Habitat Quality	23
Stream Species	59
Species Richness	55
At-Risk Species Richness	43

CONNECTIVITY

Mean (Ave.) 45
Minimum Index 12

INDEX SCORES

Terrestrial Habitat Connectivity	33
Aquatic Connectivity	12
Riparian Connectivity	91

Metric Sub-Scores
Aquatic Connectivity:

Bridges/Culverts	18
Dams	7

WATER QUALITY

Mean (Ave.) 76
Minimum Index 61

INDEX SCORES

Non-Point Source	76
Point Source	92*
Assessments	61

Metric Sub-Scores
Non-Point Source:

Nutrient Application	94
Riparian Impervious	58

*These index values are influenced by very low scores associated with dense urban use of resources. This gives comparatively high scores for outstate Minnesota. Viewing input data is necessary to evaluate possible watershed scale concerns.

November, 2011