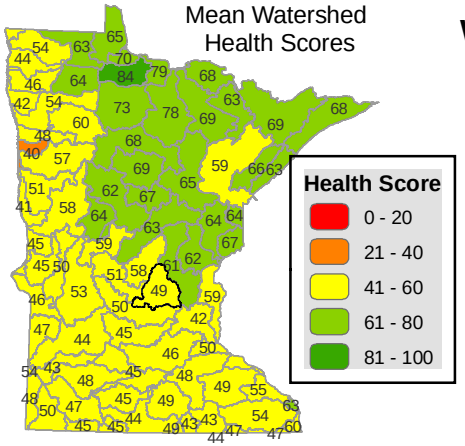
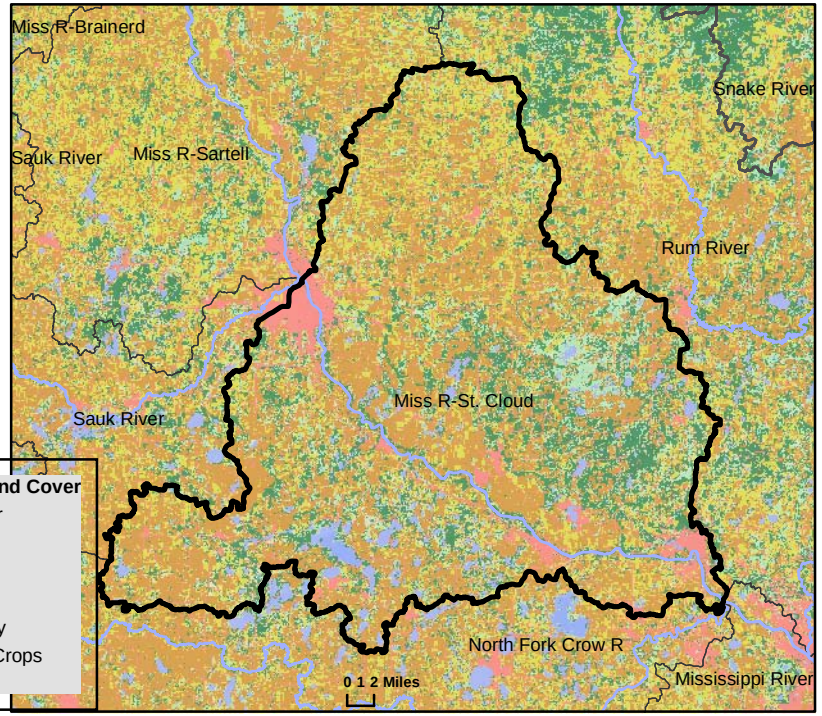
Miss R-St. Cloud

WATERSHED HEALTH ASSESSMENT SCORES



Mean (average) Health Score 49
Minimum Health Index Score 10
Minimum Health Index: Biology - Habitat Quality

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.)	55
Minimum Index	41

INDEX SCORES

Perennial Cover	50
Impervious Cover	56*
Withdrawal	41*
Storage	56
Flow Variability	73

Metric Sub-Scores
Storage:

Stream/Ditch Ratio	43
Surface storage	69

GEOMORPHOLOGY

Mean (Ave.)	65
Minimum Index	27

INDEX SCORES

Soil Erosion Susceptibility	79
Groundwater Susceptibility	27
Climate Vulnerability	89

BIOLOGY

Mean (Ave.)	39
Minimum Index	10

INDEX SCORES

Terrestrial Habitat Quality	10
Stream Species	52
Species Richness	58
At-Risk Species Richness	35

CONNECTIVITY

Mean (Ave.)	33
Minimum Index	10

INDEX SCORES

Terrestrial Habitat Connectivity	13
Aquatic Connectivity	10
Riparian Connectivity	76

Metric Sub-Scores
Aquatic Connectivity:

Bridges/Culverts	14
Dams	6

WATER QUALITY

Mean (Ave.)	55
Minimum Index	34

INDEX SCORES

Non-Point Source	34
Point Source	88*
Assessments	44

Metric Sub-Scores
Non-Point Source:

Nutrient Application	67
Riparian Impervious	0

*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