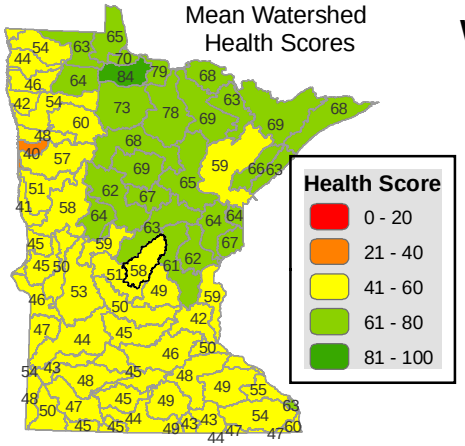
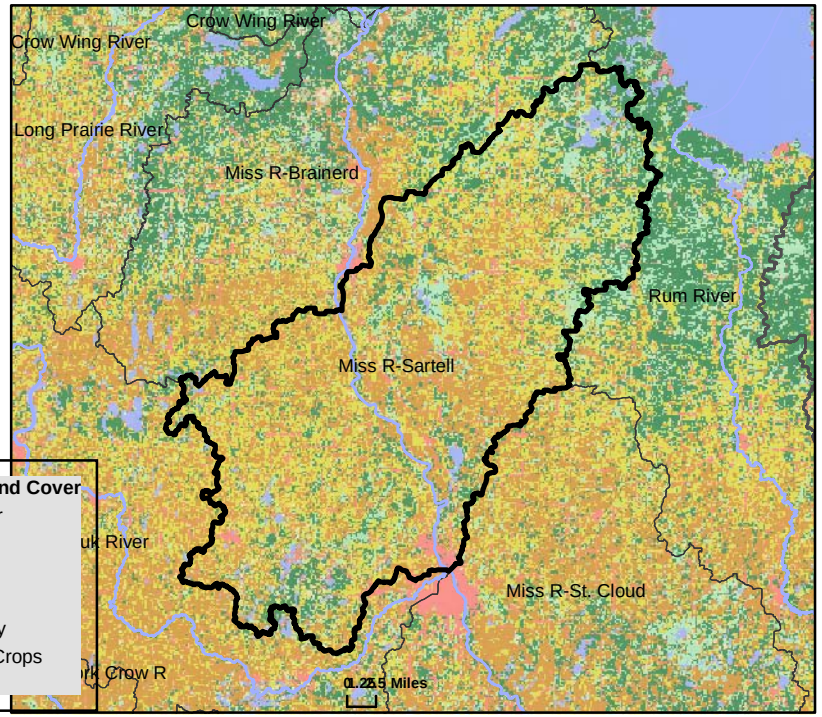
Miss R-Sartell

WATERSHED HEALTH ASSESSMENT SCORES



Mean (average) Health Score 58
Minimum Health Index Score 8
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.)	78
Minimum Index	64

INDEX SCORES

Perennial Cover	64
Impervious Cover	83*
Withdrawal	95*
Storage	77
Flow Variability	71

Metric Sub-Scores
Storage:

Stream/Ditch Ratio	72
Surface storage	81

GEOMORPHOLOGY

Mean (Ave.)	69
Minimum Index	35

INDEX SCORES

Soil Erosion Susceptibility	76
Groundwater Susceptibility	35
Climate Vulnerability	97

BIOLOGY

Mean (Ave.)	46
Minimum Index	8

INDEX SCORES

Terrestrial Habitat Quality	8
Stream Species	79
Species Richness	61
At-Risk Species Richness	37

CONNECTIVITY

Mean (Ave.)	35
Minimum Index	11

INDEX SCORES

Terrestrial Habitat Connectivity	11
Aquatic Connectivity	18
Riparian Connectivity	77

Metric Sub-Scores
Aquatic Connectivity:

Bridges/Culverts	13
Dams	22

WATER QUALITY

Mean (Ave.)	63
Minimum Index	47

INDEX SCORES

Non-Point Source	47
Point Source	83*
Assessments	58

Metric Sub-Scores
Non-Point Source:

Nutrient Application	72
Riparian Impervious	22

*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