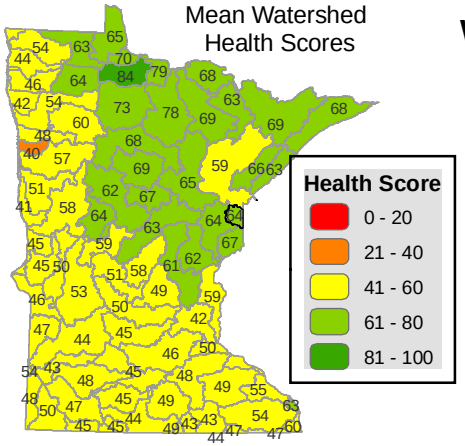
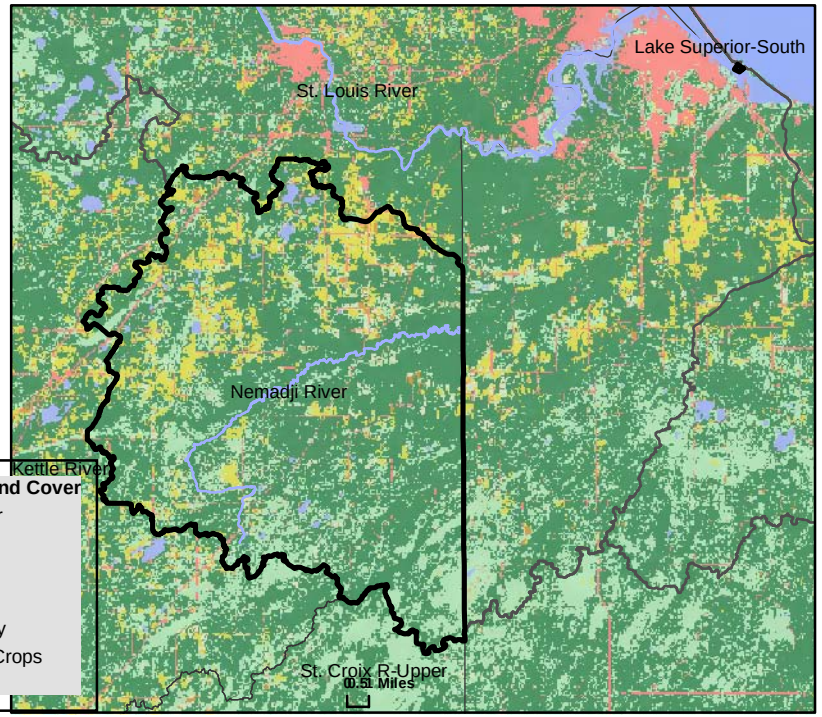
Nemadji River

WATERSHED HEALTH ASSESSMENT SCORES



Mean (average) Health Score 64
Minimum Health Index Score 18
Minimum Health Index: Geomorphology - Climate

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.)	91
Minimum Index	65

INDEX SCORES

Perennial Cover	96
Impervious Cover	97*
Withdrawal	100*
Storage	99
Flow Variability	65

Metric Sub-Scores
Storage:

Stream/Ditch Ratio	99
Surface storage	98

GEOMORPHOLOGY

Mean (Ave.)	42
Minimum Index	18

INDEX SCORES

Soil Erosion Susceptibility	67
Groundwater Susceptibility	41
Climate Vulnerability	18

BIOLOGY

Mean (Ave.)	49
Minimum Index	36

INDEX SCORES

Terrestrial Habitat Quality	41
Stream Species	59
Species Richness	59
At-Risk Species Richness	36

CONNECTIVITY

Mean (Ave.)	58
Minimum Index	31

INDEX SCORES

Terrestrial Habitat Connectivity	47
Aquatic Connectivity	31
Riparian Connectivity	97

Metric Sub-Scores
Aquatic Connectivity:

Bridges/Culverts	51
Dams	10

WATER QUALITY

Mean (Ave.)	80
Minimum Index	46

INDEX SCORES

Non-Point Source	96
Point Source	99 *
Assessments	46

Metric Sub-Scores
Non-Point Source:

Nutrient Application	100
Riparian Impervious	92

*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