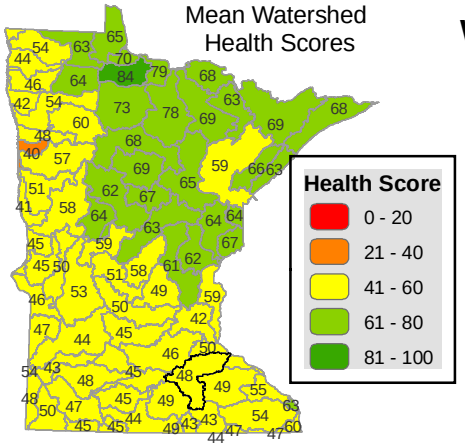
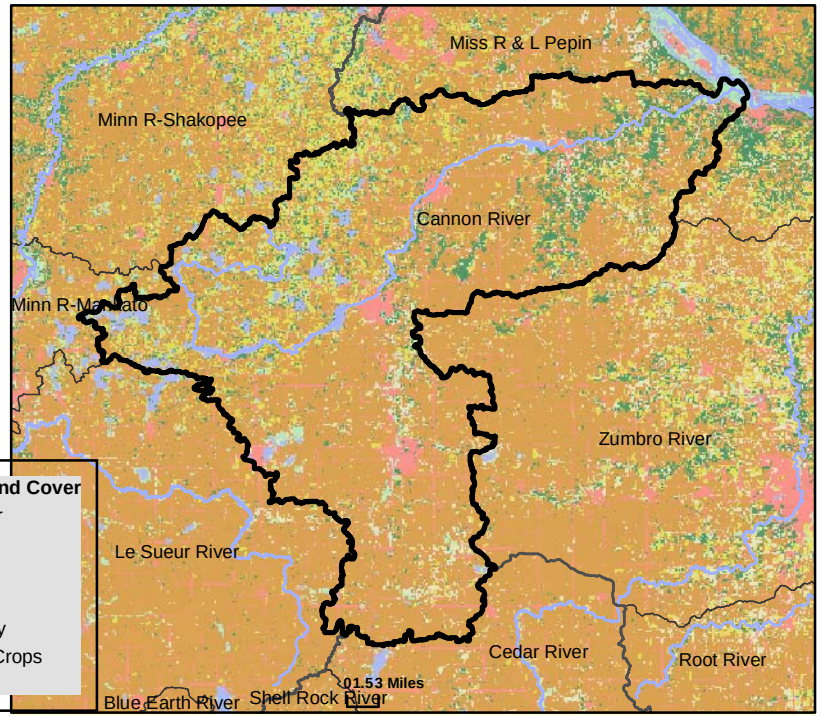
Cannon River

WATERSHED HEALTH ASSESSMENT SCORES



Mean (average) Health Score 48
Minimum Health Index Score 5
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.)	66
Minimum Index	29

INDEX SCORES

Perennial Cover	29
Impervious Cover	83*
Withdrawal	95*
Storage	54
Flow Variability	68

Metric Sub-Scores
Storage:

Stream/Ditch Ratio	66
Surface storage	43

GEOMORPHOLOGY

Mean (Ave.)	63
Minimum Index	41

INDEX SCORES

Soil Erosion Susceptibility	63
Groundwater Susceptibility	41
Climate Vulnerability	84

BIOLOGY

Mean (Ave.)	37
Minimum Index	6

INDEX SCORES

Terrestrial Habitat Quality	6
Stream Species	50
Species Richness	60
At-Risk Species Richness	32

CONNECTIVITY

Mean (Ave.)	25
Minimum Index	5

INDEX SCORES

Terrestrial Habitat Connectivity	8
Aquatic Connectivity	5
Riparian Connectivity	62

Metric Sub-Scores
Aquatic Connectivity:

Bridges/Culverts	5
Dams	5

WATER QUALITY

Mean (Ave.)	50
Minimum Index	35

INDEX SCORES

Non-Point Source	35
Point Source	78*
Assessments	36

Metric Sub-Scores
Non-Point Source:

Nutrient Application	50
Riparian Impervious	19

*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