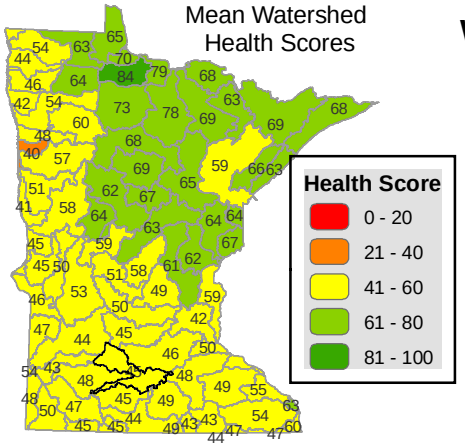
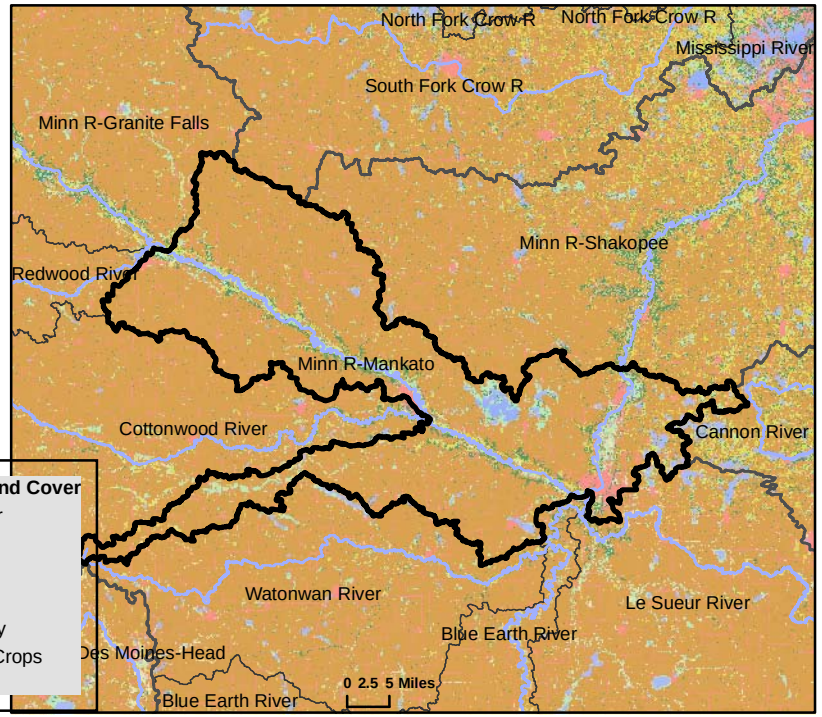
Minn R-Mankato

WATERSHED HEALTH ASSESSMENT SCORES



Mean (average) Health Score	45
Minimum Health Index Score	5
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.)	56
Minimum Index	14

INDEX SCORES

Perennial Cover	14
Impervious Cover	87*
Withdrawal	95*
Storage	19
Flow Variability	66

Metric Sub-Scores
Storage:

Stream/Ditch Ratio	17
Surface storage	21

GEOMORPHOLOGY

Mean (Ave.)	66
Minimum Index	58

INDEX SCORES

Soil Erosion Susceptibility	76
Groundwater Susceptibility	58
Climate Vulnerability	64

BIOLOGY

Mean (Ave.)	31
Minimum Index	5

INDEX SCORES

Terrestrial Habitat Quality	5
Stream Species	49
Species Richness	49
At-Risk Species Richness	19

CONNECTIVITY

Mean (Ave.)	24
Minimum Index	7

INDEX SCORES

Terrestrial Habitat Connectivity	7
Aquatic Connectivity	21
Riparian Connectivity	45

Metric Sub-Scores
Aquatic Connectivity:

Bridges/Culverts	8
Dams	35

WATER QUALITY

Mean (Ave.)	47
Minimum Index	26

INDEX SCORES

Non-Point Source	29
Point Source	86*
Assessments	26

Metric Sub-Scores
Non-Point Source:

Nutrient Application	29
Riparian Impervious	29

*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