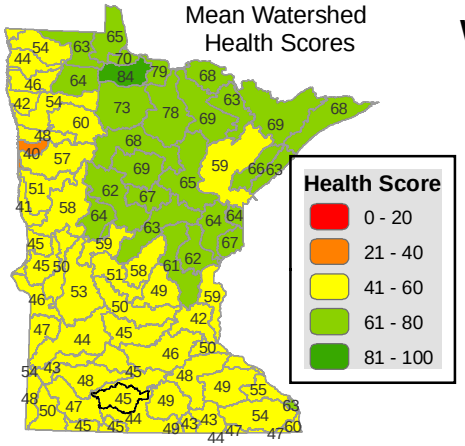
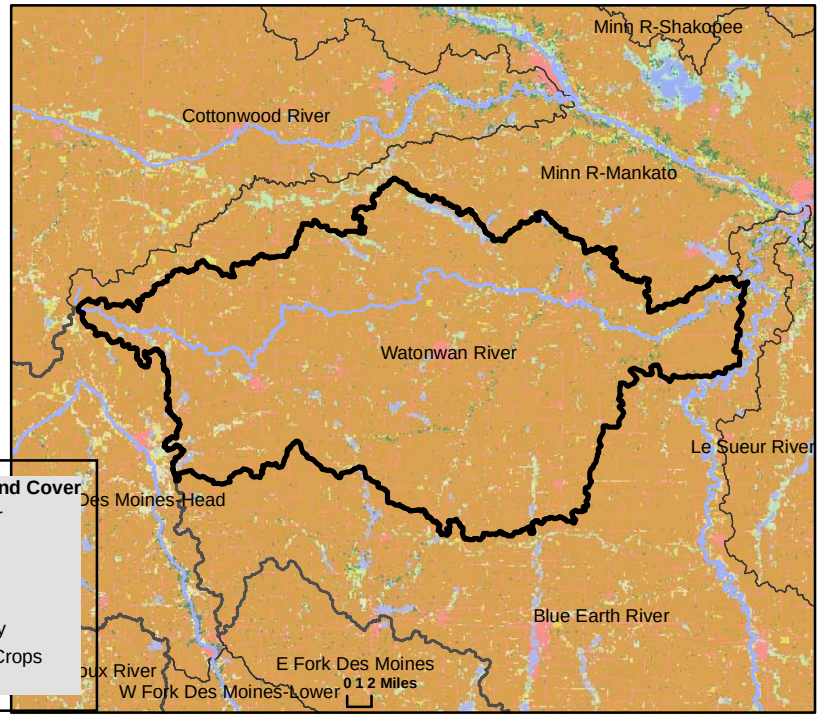
Watonwan River

WATERSHED HEALTH ASSESSMENT SCORES



Mean (average) Health Score 45
Minimum Health Index Score 1
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.)	63
Minimum Index	6

INDEX SCORES

Perennial Cover	6
Impervious Cover	94 *
Withdrawal	99 *
Storage	48
Flow Variability	66

Metric Sub-Scores
Storage:

Stream/Ditch Ratio	81
Surface storage	15

GEOMORPHOLOGY

Mean (Ave.)	65
Minimum Index	53

INDEX SCORES

Soil Erosion Susceptibility	78
Groundwater Susceptibility	53
Climate Vulnerability	66

BIOLOGY

Mean (Ave.)	29
Minimum Index	1

INDEX SCORES

Terrestrial Habitat Quality	1
Stream Species	53
Species Richness	49
At-Risk Species Richness	15

CONNECTIVITY

Mean (Ave.)	18
Minimum Index	1

INDEX SCORES

Terrestrial Habitat Connectivity	1
Aquatic Connectivity	15
Riparian Connectivity	39

Metric Sub-Scores
Aquatic Connectivity:

Bridges/Culverts	5
Dams	24

WATER QUALITY

Mean (Ave.)	48
Minimum Index	19

INDEX SCORES

Non-Point Source	19
Point Source	88 *
Assessments	37

Metric Sub-Scores
Non-Point Source:

Nutrient Application	20
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