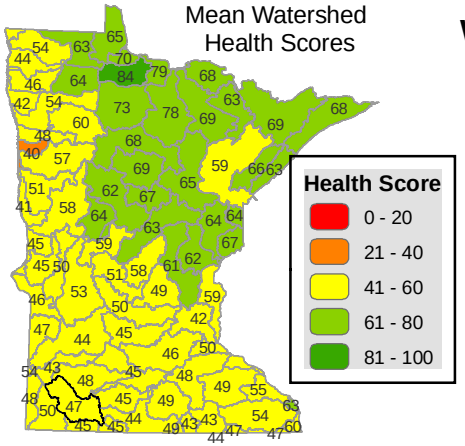
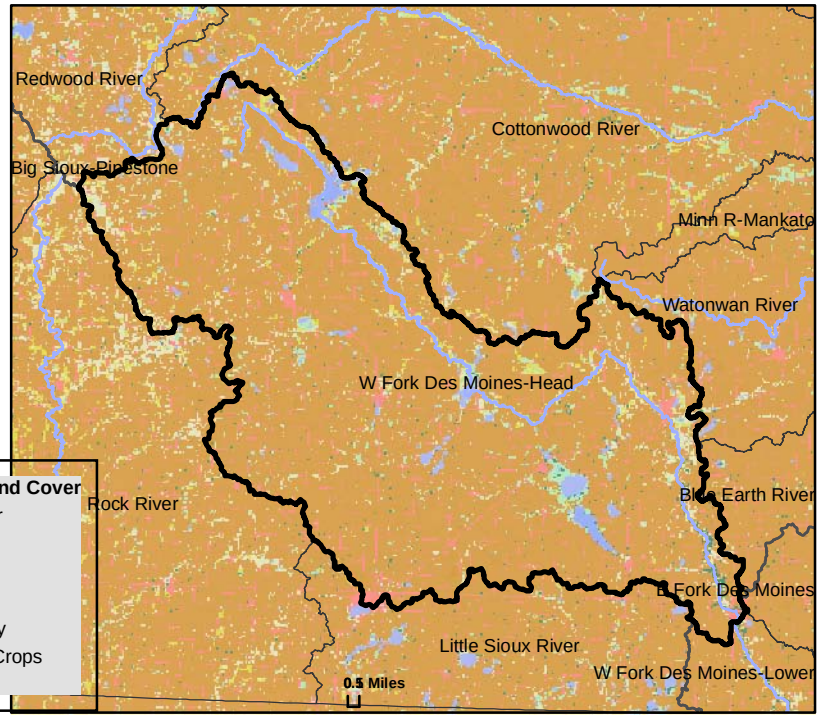
W Fork Des Moines-Head

WATERSHED HEALTH ASSESSMENT SCORES



Mean (average) Health Score 47
Minimum Health Index Score 3
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.)	64
Minimum Index	11

INDEX SCORES

Perennial Cover	11
Impervious Cover	91*
Withdrawal	99*
Storage	53
Flow Variability	64

Metric Sub-Scores
Storage:

Stream/Ditch Ratio	84
Surface storage	22

GEOMORPHOLOGY

Mean (Ave.)	66
Minimum Index	57

INDEX SCORES

Soil Erosion Susceptibility	74
Groundwater Susceptibility	57
Climate Vulnerability	67

BIOLOGY

Mean (Ave.)	32
Minimum Index	3

INDEX SCORES

Terrestrial Habitat Quality	3
Stream Species	61
Species Richness	47
At-Risk Species Richness	16

CONNECTIVITY

Mean (Ave.)	22
Minimum Index	5

INDEX SCORES

Terrestrial Habitat Connectivity	5
Aquatic Connectivity	9
Riparian Connectivity	53

Metric Sub-Scores
Aquatic Connectivity:

Bridges/Culverts	7
Dams	11

WATER QUALITY

Mean (Ave.)	49
Minimum Index	28

INDEX SCORES

Non-Point Source	29
Point Source	90*
Assessments	28

Metric Sub-Scores
Non-Point Source:

Nutrient Application	27
Riparian Impervious	30

*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