

Watershed Health Assessment Framework

"Managing for System Health"





Watershed Report Card:

Le Sueur River



People and Places:

Watershed Population:

2000 census - 33,099 2010 census - 34,412

Largest Cities - Population:

Eagle Lake - 2,422 Wells - 2,343 Janesville - 2,256 Mapleton - 1,756 New Richland - 1,203

Counties - % of watershed:

Blue Earth - 33 % Waseca - 32 % Faribault - 22 % Freeborn - 10 % Steele - 3 % Le Sueur - 0 %



Watershed Area:

Watershed size:

711,115 acres 1,111 square miles

Watershed Surface Area:

Percent Land - 98 % Percent Water - 2 %

HUC8 ID:

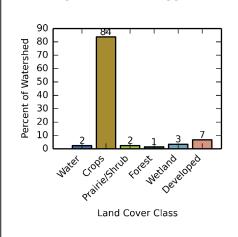
07020011

Basin Name:

Minnesota (0702)

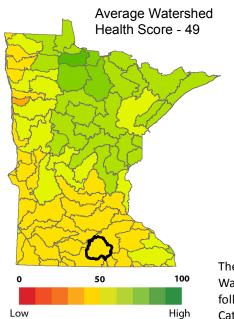
Land Use:

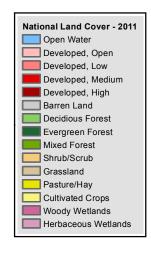
Percent of watershed area by land cover type:



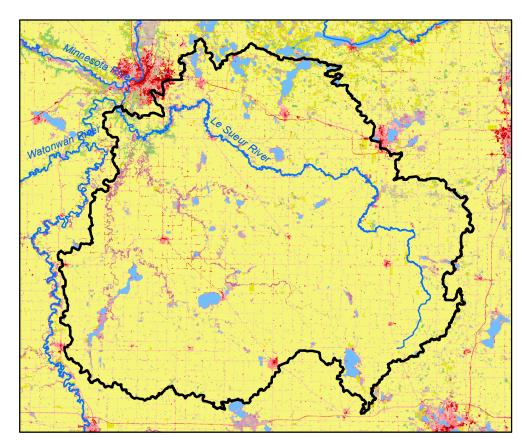
Watershed Health Report - Major Watershed

Le Sueur River





These health scores are calculated at the Major Watershed (HUC8) scale. Health score names followed by (*) are also calculated at the DNR Catchment scale (subdivided HUC12). Those results are reported on the following pages.





Hydrology

Component Health Score (index average) 60

Index Scores

Perennial Cover* 9
Impervious Cover* 71
Water Withdrawal* 99
Flow Variability 65
Hydrologic Storage 35
Sub-Scores
Altered Streams* 53
Surface Storage 18



Geomorphology

Component Health Score (index average) 74

Index Scores

Soil Erosion Potential* 76

Groundwater Susceptibility 55

Climate Vulnerability 92



Biology

Component Health Score (index average) 38

Index Scores

Terrestrial Habitat Quality*

Stream Species 76
Quality*

Species Richness 56

At-Risk Species 18

Richness



Connectivity

Component Health Score (index average) 19

Index Scores

Terrestrial Habitat
Connectivity

Aquatic
Connectivity*

45

Riparian
Connectivity*



Sources*

Water Quality

Component Health Score (index average) 52

Index Scores

Non-Point Pollution
Sources
Sub-Score
Phosphorus Risk*
5
Localized Pollution
81

Assessments 39

