

Watershed Health Assessment Framework

"Managing for System Health"





Watershed Report Card:

St. Croix R-Upper



People and Places:

Watershed Population:

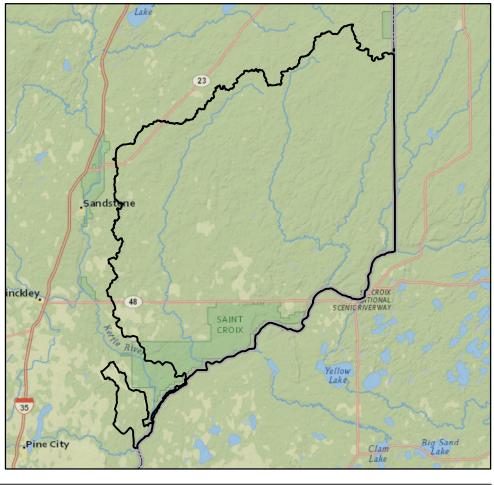
2000 census - 2,761 2010 census - 2,920

Largest Cities - Population:

Askov - 364 Saint Johns Landing Camp - None Cloverdale - None Markville - None Duxbury - None

Counties - % of watershed:

Pine - 100 %



Watershed Area:

Watershed size:

347,720 acres 543 square miles

Watershed Surface Area:

Percent Land - 99 % Percent Water - 1 %

HUC8 ID:

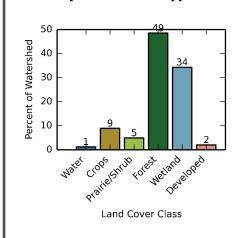
07030001

Basin Name:

St. Croix (0703)

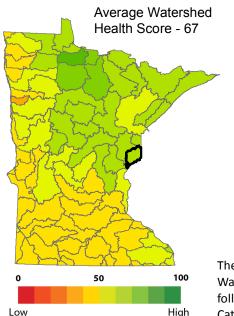
Land Use:

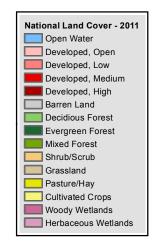
Percent of watershed area by land cover type:



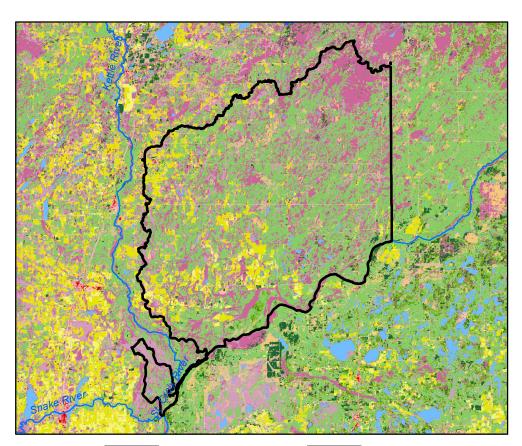
Watershed Health Report - Major Watershed

St. Croix R-Upper





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) 91

Index Scores

Perennial Cover* 96
Impervious Cover* 97
Water Withdrawal* 99
Flow Variability 67
Hydrologic Storage 93
Sub-Scores
Altered Streams* 86
Surface Storage 100



Geomorphology

Component Health Score (index average) 50

Index Scores

Soil Erosion Potential* 62

Groundwater Susceptibility 58

Climate 29

Vulnerability



Biology

Component Health Score (index average) 60

Index Scores

Terrestrial Habitat Quality* 45

Stream Species 70
Quality*

Species Richness 71

At-Risk Species Richness 52



Connectivity

Component Health Score (index average) 55

Index Scores

Terrestrial Habitat
Connectivity

Aquatic
Connectivity*

Riparian
97

Connectivity*



Water Quality

Component Health Score (index average) 81

Index Scores

Non-Point Pollution
Sources
Sub-Score
Phosphorus Risk* 89
Localized Pollution
Sources*
Assessments 52

