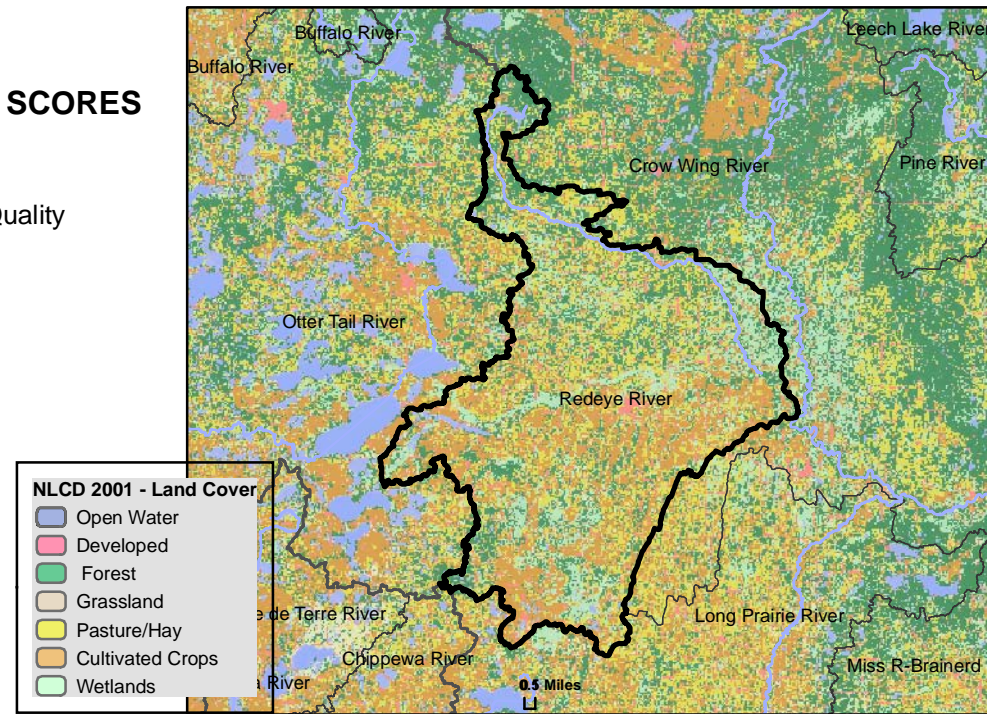# Redeye River
## WATERSHED HEALTH ASSESSMENT SCORES

**Mean (average) Health Score**    64
**Minimum Health Index Score**    12
**Minimum Health Index:**    Biology - Habitat Quality

### Watershed Assessment Tool
http://www.dnr.state.mn.us/watershed_tool

Mean Watershed Health Scores



**Health Score**

| | |
|---|---|
| 🟥 | 0 - 20 |
| 🟧 | 21 - 40 |
| 🟨 | 41 - 60 |
| 🟩 | 61 - 80 |
| 🟩 | 81 - 100 |

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.



**NLCD 2001 - Land Cover**

| | |
|---|---|
| | Open Water |
| | Developed |
| | Forest |
| | Grassland |
| | Pasture/Hay |
| | Cultivated Crops |
| | Wetlands |

0.5 Miles

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# COMPONENT SCORES

## HYDROLOGY
Mean (Ave.)    79
Minimum Index    60

### INDEX SCORES

| | |
|---|---|
| Perennial Cover | 69 |
| Impervious Cover | 95 * |
| Withdrawal | 94 * |
| Storage | 60 |
| Flow Variability | 74 |

### Metric Sub-Scores
Storage:

| | |
|---|---|
| Stream/Ditch Ratio | 29 |
| Surface storage | 91 |

## GEOMORPHOLOGY
Mean (Ave.)    69
Minimum Index    26

### INDEX SCORES

| | |
|---|---|
| Soil Erosion Susceptibility | 82 |
| Groundwater Susceptibility | 26 |
| Climate Vulnerability | 99 |

## BIOLOGY
Mean (Ave.)    36
Minimum Index    12

### INDEX SCORES

| | |
|---|---|
| Terrestrial Habitat Quality | 12 |
| Stream Species | 40 |
| Species Richness | 53 |
| At-Risk Species Richness | 40 |

## CONNECTIVITY
Mean (Ave.)    54
Minimum Index    16

### INDEX SCORES

| | |
|---|---|
| Terrestrial Habitat Connectivity | 16 |
| Aquatic Connectivity | 59 |
| Riparian Connectivity | 87 |

### Metric Sub-Scores
Aquatic Connectivity:

| | |
|---|---|
| Bridges/Culverts | 19 |
| Dams | 100 |

## WATER QUALITY
Mean (Ave.)    83
Minimum Index    74

### INDEX SCORES

| | |
|---|---|
| Non-Point Source | 74 |
| Point Source | 92 * |
| Assessments | 84 |

### Metric Sub-Scores
Non-Point Source:

| | |
|---|---|
| Nutrient Application | 81 |
| Riparian Impervious | 67 |

*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