



(MN Statutes §103F.48, Subd. 4.)

## **Hubbard County Soil and Water Conservation District**

### **Local Water Resources Riparian Protection**

#### **(“Other Waters”) List**

*~ June 28, 2017 ~*

## Local Water Resources Riparian Protection, Subd. 4

MN Statute §103F.48 is the Minnesota Buffer law which was enacted in 2016. Subd. 4 refers to Local Water Resource Riparian Protection which states that the Soil and Water Conservation District “shall develop, adopt, and submit to each local water management authority within its boundary a summary of watercourses for inclusion in the local water management authority’s plan.”

Hubbard County is a water rich county with many lakes, streams, and wetlands. The Hubbard county LWMP is committed to protecting, preserving and improving water resources in Hubbard County. The purpose of this plan is to identify existing and potential problems and opportunities for the protection, management and development of water and related land resources, to develop objectives and carry out a plan of action to promote sound hydrologic management of water and related land resources, effective environmental protection, and efficient management of Hubbard County water resources.

The Minnesota Pollution Control Agency’s (MPCA) Crow Wing River, Leech Lake River and Mississippi Headwaters Watershed Restoration and Protection Strategies (WRAPs) of the three main watersheds within Hubbard County show that there are few water impairments within the County. The LWMP is a watershed Protection based plan with a scope focusing on the minor watershed level using data-driven strategies to implement prioritized and targeted watershed management.

A county wide Buffer protection map of public waters and public ditches was completed in December of 2016 for Hubbard County for the Minnesota Department of Natural Resources (DNR buffer map, **figure 1**). This additional “Other Waters” list is to find areas within the county that have a direct connection to existing public waters and have the potential for impairment that would necessitate the practice of installing a buffer. Additional waters were chosen by their adjacency to the existing buffer requirement map and by their flow and the effect they may have on other water bodies downstream.

When writing the Hubbard County LWMP Hubbard SWCD used data from a watershed planning tool to determine risk classification of its minor watersheds. Watersheds that were listed as Enhance/Protection to Enhance showed a need for additional conservation work. Other watersheds were chosen due to declining water trends based on MPCA nutrient standards for water quality. Any waters that were not in these priority watersheds were excluded from the Other Waters list.



# Existing Buffer

## July 2017

### Hubbard County

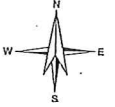
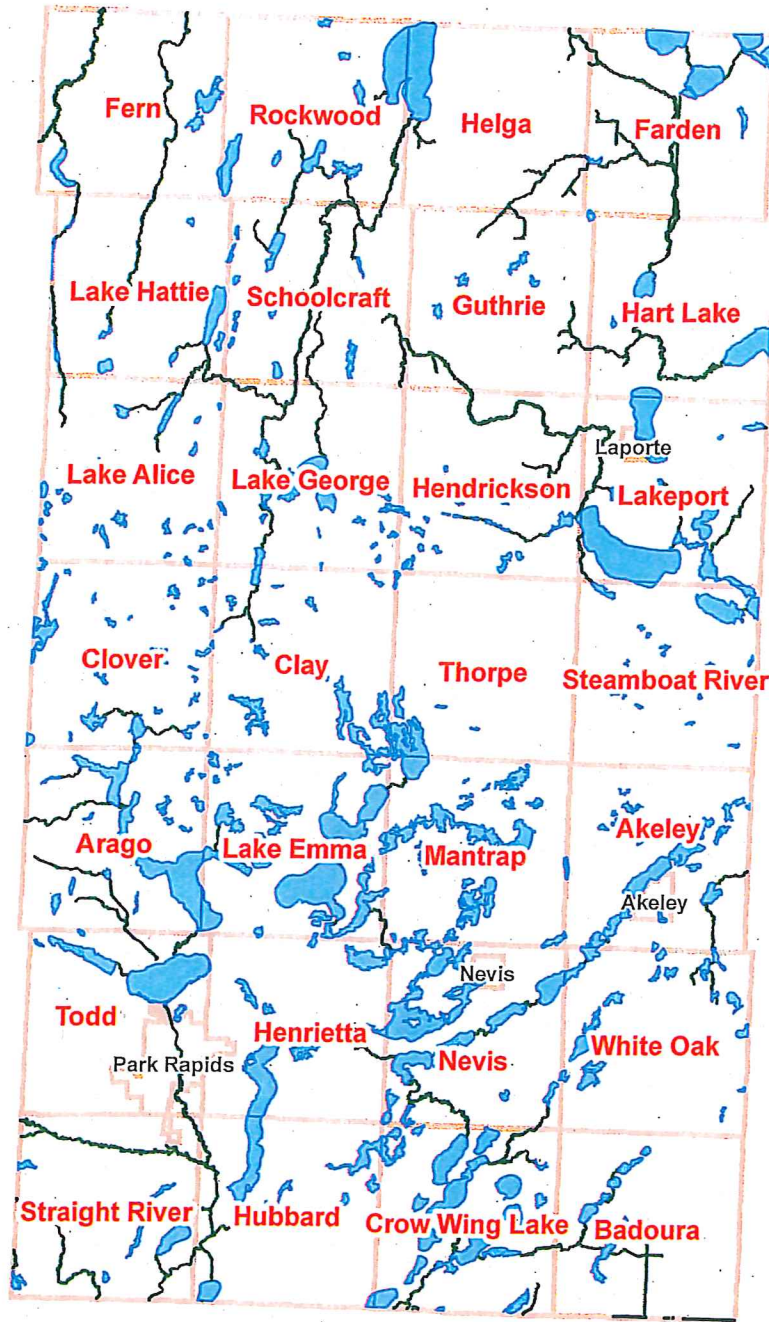



Figure 1



-  Removals
-  Public Waters
-  Water Courses
-  Townships

1:396,593

1 inch equals 33,049 feet

 Feet  
1:396,593



Maps are for graphical purposes only. They do not represent a legal survey.

Date: 7/11/2017



Final review of watersheds included a visual inspection of aerial photos to determine if any of those waters lack an appropriate buffer. Ten potential sites were identified. Five were removed from the list as they are protected by large wetland complexes. One other site was removed as it is being protected under a permanent RIM Wild rice easement. Of the five sites remaining two are listed as areas to watch for any roadwork that may be done in the area that would need extra Best Management Practices (BMP's) to protect the priority lakes during any road work not buffer implementation. One other area has already been altered by the landowner and was restored to as near its natural condition as possible and needs to be monitored for any further human interference, again not for buffer implementation. The sites that were eliminated from the Other Water list are on a "watch list" that will also be included in the LWMP to make sure that they are monitored. This leaves one watercourse site that may benefit from an installed buffer practice. Hubbard SWCD has listed this watercourse and included a map of the area. Any other waters identified at a later date will also be added to this priority list for inclusion in the updated Hubbard County LWMP if they fit the criteria.

### **List of Other Waters for Hubbard County**

1. Farden Township T145N, R32W, Section 1, unnamed stream between Wolf and Little Wolf Lake along Wolf Lake Road. This is a highly developed area with houses and septic systems on either side of the road not leaving a buffer to the wetland and stream that goes between the lakes. See **Figure 2** map.



Hubbard County

Figure 2



Scale 1: 9028

X: -10537481.8468

Y: 6008636.0298