



# **2017 Pomme de Terre WRAPS Implementation Plan (2017 Clean Water Assistance Grant)**

## **Overview:**

The goal of the Pomme de Terre River Association (JPB) is to improve the local water resources within the watershed through targeted voluntary efforts and the building of strong relationships with local landowners, producers, and citizens.

Currently, the Pomme de Terre River is not meeting state water quality for sediment. The purpose of this project is to strategically work towards a 53% sediment reduction goal at the mouth of the Pomme de Terre River based on a Watershed Restoration and Protection Strategy document. The result of this project will result in edge of field reductions of 15,000 tons of sediment and 15,011 pounds of phosphorous from entering surface waters yearly in the watershed.

The JPB has targeted and identified specific areas (Priority Management Zones) and activities required for marked water quality improvement, including this application proposed implementation of 24 Water and Sediment Control Basins (WASCOBs), 35 Rain Gardens, 2 Shoreline/ Stream bank stabilization, 5 Waste Pit Closures, 1 Grassed Waterway, 28 Alternative Tile Intakes, 1 Livestock Exclusion, and the enrollment of 2065 acres into conservation practices. These practices in total will directly result in site specific and watershed dependent reductions of 15,001.39 tons of sediment and 15,011.57 lbs of phosphorous from entering surface waters yearly in the watershed. In addition,

The JPB received a federal 319 grant for project implementation in the amount of \$210,000.00 that is the planned match for requested funds and will be used for the physical construction of all practices and provide partial funding for the Drywood Creek channel restoration project through this current application and will reduce an addition 81.95 Ton TSS/yr and 87.85 lbs phosphorous/yr. Technical/engineering assistance funds are needed to implement the proposed projects as well as engage landowners for future projects.

## **2017 CWF Grant Partners:**

West Otter Tail SWCD, Stevens SWCD, Grant SWCD, Big Stone SWCD, Douglas SWCD, & Swift SWCD



## **Best Management Practice (BMP) Descriptions:**

**(All practices implemented within this grant will require a 10 year (minimum) life span)**

### **Water and Sediment Control Basin:**

[http://www.nrcs.usda.gov/Internet/FSE\\_DOCUMENTS/stelprdb1255205.pdf](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1255205.pdf)

### **Buffers/Filters:**

[http://www.nrcs.usda.gov/Internet/FSE\\_DOCUMENTS/stelprdb1255034.pdf](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1255034.pdf)

### **Shoreline Protection and Stabilization:**

[http://www.nrcs.usda.gov/Internet/FSE\\_DOCUMENTS/stelprdb1255166.pdf](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1255166.pdf)

### **Livestock Exclusion:**

(May exclude livestock from streams, rivers, lakes, and wetlands)

[http://www.nrcs.usda.gov/Internet/FSE\\_DOCUMENTS/stelprdb1255109.pdf](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/stelprdb1255109.pdf)

### **Rain Garden:**

<http://bluethumb.org/raingardens/>