



# 2017 - Pomme de Terre WRAPS Implementation Plan

## Clean Water Fund: Projects and Practices 2017

**Grant Award: \$431,587**

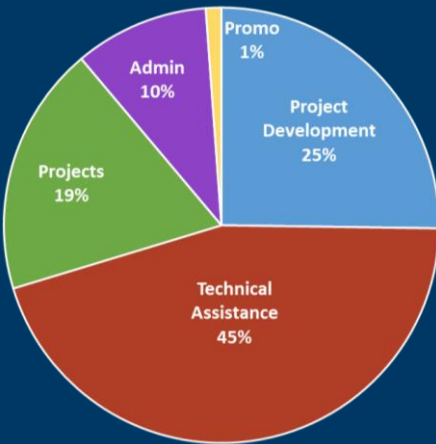
**Total Project Budget: \$431,587**

**Progress as of January 2019:**

Fund Type	Spent
Grant	\$302,171.00
Match*	\$0.00
<b>Total</b>	<b>\$302,171.00</b>

*\*Includes minimum 25% local match. PDTRA received a federal 319 grant for project implementation in the amount of \$210,000.00 for the physical construction of all practices that will be used as match.*

**Grant Allocations:**



**Grant Period:**

March 2017 - December 2019

**Targeted Water:**

Pomme de Terre River

**Project Sponsor:**

Pomme de Terre River Association JPB

### Project Narrative

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 JPB has targeted and identified specific areas (Priority Management Zones) and activities required for marked water quality improvement

### Proposed Outcomes

PDTRA proposed the 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, Enrollment of 2,065 acres into conservation practices.

### Pollution Reduction Estimates

Indicator Name	Proposed	Actual
Phosphorus (Est. Reduction) (LBS/YR)	15,099.60	212.5
Sediment (Tss) (TONS/YR)	15,083.34	212.5

### Actual Outcomes

#### Project Development and Technical Assistance

To date, the Pomme de Terre River Association has utilized 71% of the granted 2017 Clean Water Funds to provide 1,369 hours of project development and 3,349 technical assistance to landowners. As a result, 430.21 acres of buffers and 362.17 acres of wetlands were enrolled in conservation programs. Were enrolled in conservation programs. This grant, and hours spent, were also used in conjunction with 2016 Federal 319 funding to provide cost-share on Best Management Practices.

#### Pomme de Terre Golf Course Assessment and feasibility study

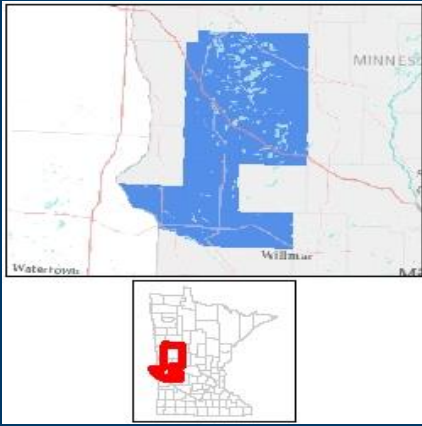
A study was conducted to evaluate runoff management concepts that can be used to improve water quality and quantity within the area upstream of and contributing runoff to the Pomme de Terre Golf Club. A plan will be created to reduce the polluted water, from agricultural fields and the golf course, from entering the Pomme de Terre River.

#### Drywood Dam Removal

PDTRA requested partial funding in order to remove a dam causing excessive erosion and sediment deliveries into Drywood Creek. In 2017 the structure was removed followed by the restoration of 1050 linear feet of streambank on Drywood Creek. Funding was used in conjunction with 2015CWF and a DNR grant.

#### Promotional Tours and Materials

Grant SWCD hosted a field day. This field day discussed the importance of utilizing cover crops on no-till. We had demonstrations on soil biological activity presented by FFA students, we demonstrated water infiltration, and used a soil pit and to show the difference between no-till and conventional tillage impacts on soil health. The ARS Soils lab demonstrated soil aggregate stability through a large scale slake test, and the owner, Chad Rollofson, discussed problems he has had with implementing the no-till/cover crop systems. Overall, we had over 50 people in attendance.



**Joint Powers Board:**

- Otter Tail County
- West Otter Tail SWCD
- Grant County
- Grant SWCD
- Douglas County
- Douglas SWCD
- Stevens County
- Stevens SWCD
- Swift County
- Swift SWCD
- Big Stone County
- Big Stone SWCD

**Technical Advisory Committee**

County & Soil and Water Conservation District technical staff from each of the represented counties.

**Project Contact:**

Stephanie Adams  
 Watershed Projects Coordinator  
 stephanie.adams@pdriver.org  
 http://www.pdriver.org  
 (320) 589 – 4886 Ext. 109

