



Pomme de Terre River Association's Incorporation of the PTMApp Model (2016 Accelerated Implementation Grant)

Overview:

The goal of the Pomme de Terre River Association (PDTRA 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. To further our efforts in strategically working to achieve our reduction goals, listed in our Major Watershed Restoration and Protection Strategies Report and Turbidity Total Maximum Daily Load report, we would like to further define our Priority Management Zones through the development of a hydrological conditioned Digital Elevation Model. Once created, this GIS layer will be integrated into the PTMApp and will aid in the targeting of BMP applicability at the field scale within our sub-watersheds for total suspended solids and phosphorous reduction practices. Modeling will begin on the two sub-watersheds that are contributing the most non-point source pollution according to the PTMApp. Most likely the Drywood Creek and Lower Pomme de Terre sub-watersheds will be modeled, as those areas have already been prioritized through the WRAPS report and have reduction goals for TSS of 72% & 53%, respectively. Through PTMApp modeling, pollution reductions will be estimated not at the practice site, but at the resource of concern and will help estimate the impacts of implementing BMPs on our impaired waters. This information will not only aid in current efforts of project implementation, but will help in the planning of our second WRAPS implementation plan, upcoming in 2017. In addition, we will be able to aid our local partners in generating Water Management Plans, ease the transition from historical plans to a one watershed one plan.

PTMApp Links:

PTMApp Summary:

<https://drive.google.com/file/d/0B8bLOyc4NGxfOXdWOV9UbTZJYVU/view>

Desktop Tool:

<http://ptmapp.rbdin.org/User/PTMAppDesktop>

Theory & Documentation:

<http://ptmapp.rbdin.org/User/Documentation>