BOARD OF WATER AND SOIL RESOURCES

Memo

Date: May 13, 2020

To: PTMApp Desktop and Web Application Users

From: Matt Drewitz, BWSR Measures and Outcomes Coordinator

RE: May 2020 PTMApp Update

PTMApp – Web Application Update: Several new features have been deployed to the Web Application and are now available online as of May 8, 2020.

- **Interactive Maps Updates:**

    - **Source Assessment Map:** Within the Priority Resources and Catchment layer, you can now create a source assessment map just for a specific priority resource and its associated watershed boundary. In the past version of the Web Application, you could only create a source assessment map for the entire watershed.

    - **Support Layers (Raster Data):** Under a new layer heading of "Support Layers", four new datasets have been added to the web application. With advancements to the Web Application in the last year regarding performance of the system, we are now able to provide these layers, which are relatively large in size in comparison to most of datasets in the system. These layers include:
        - **Stream Power Index**
        - **Water Course Lines**
        - **Sediment Mass Deliver to Catchment**
        - **Sediment Mass Leaving Landscape**

    - **MN State Layers:** We have included several common boundary layers and Statewide available datasets that users can turn on and off to create better maps within the user interface. These data layers were selected based on user input BWSR has received over the last few years. These layers include:
        - **County Boundaries**
        - **Roads**
        - **Township and Ranges**
        - **Section Boundaries**
        - **National Wetland Inventory**

- **Lakes**
- **Rivers and Streams**
- **BWSR eLINK Conservation Practices**

- **Action Report Update:** This report was updated to include some additional functions that were brought up at training events held over the last year:

  - **Map Shows only Queried BMPs:** The Action Report map previously would show all BMPs by the Treatment Group the user selected. Now, the map only shows the BMPs that meet the criteria of the user's query. You can also click on the BMPs on the map and a pop-up box with information related to the selected practice will appear.

  - **Ability to Export Shapefile of Query:** Once the user has run a query and created a report, the user will be able to export an individual shapefile of the BMPs selected, the watershed boundary, and the priority resource location. This information can then be viewed in ArcGIS, where the user can then create custom maps.

- **New Watershed Data:** Several new watersheds were added to the web application fall of 2019. For this deployment, the East Branch of the Chippewa River watershed was added to the PTMApp dataset.

PTMApp Web Application Future Work: A new report called Scenario Builder will be available in the next few months that will provide greater flexibility to users in sorting and querying PTMApp data in the Web Application. This new report will also allow the user to save a limited number of scenarios that can be recalled later.

PTMApp – Desktop Toolbar Future Work: The PTMApp Desktop Toolbar is currently being updated and a new version will be released within the next few months. The major update will be increasing the BMP treatment groups from 6 to over 20. This enhancement will better align the treatment groups within PTMApp to specific NRCS practice types. Also, the Toolbar will be available for use in ArcGIS Pro as well as Arc GIS 10.6. and 10.5. More details to come.

PTMApp Training Videos: Over the next few months, new PTMApp Training videos will be uploaded to the PTMApp Learning Center site here: https://bwsr.state.mn.us/ptmapp. The first video in a series has been posted to website. If you have ideas about specific video tutorials you would like as a user, please let me know.

PTMApp – Desktop PINs: The Desktop Toolbar requires a new PIN each year to register the toolbar. This is requested so we can keep a mailing list of active users. If you expect to use the toolbar in the near future and have an expired PIN, please submit a request for a new toolbar PIN through the PTMApp email: ptmapp@state.mn.us. In the email, include your name, telephone number, e-mail address, and reason for using the PTMApp toolbar.

- **NOTE:** When the next version of the Toolbar is deployed in the coming months, the PIN requirement will be removed. The current version of PTMApp is the last version you will need a PIN to access the toolbar.

PTMApp Needs Assessment: Last, BWSR completed a future Needs Assessment for the PTMApp program. This assessment reviewed the short and long term needs to enhance program development and training to better meet user needs. BWSR solicited comment from an External Advisory Committee and a BWSR staff team for PTMApp. This document will be reviewed and updated periodically. If you have any comments for future ideas and suggested additions, please send them along. The document can be viewed here:

https://ptmapp.bwsr.state.mn.us/files/PTMApp_Needs_Assessment.pdf

User Support: If you are experiencing problems with the software or have user support questions, please post your questions to the following email: ptmapp@state.mn.us.

Comments and Suggestions: To provide comments to BWSR on improvements to the Web Application and Desktop Toolbar, or training materials, please contact me at matt.drewitz@state.mn.us or 507-344-2821. Also, if you are interested in being apart of a PTMApp user group to test new functions and provide feedback to BWSR, please let me know.