

BWSR Estimator Spreadsheet Version Notes

Background:

The BWSR Water Erosion Pollution Reduction Estimator (BWSR Estimator) spreadsheet has been available since the early 2000's to help local government staff report pollution reduction outcomes for several best management practices. Outputs from the BWSR Estimator have typically been reported in the BWSR eLINK system for BWSR grants. This document provides detail to updates to the BWSR Estimators over time.

Version 2.1 (October 20, 2021)

- **Worksheet Tab added: a) Appropriate Use.** This tab includes an embedded MS Word document that provides background and guidance on the appropriate use of the BWSR Estimators.
- **Worksheet Tab added: b) Volume Voided Calculator.** This tab includes calculators for rectangular, trapezoidal, and triangular prisms.
- **Worksheet Tab added: c) Notes.** This tab is an area where a user can input project notes if a copy of this BWSR Estimator is included as part of an electronic file record for a specific project.
- **Gully Estimator Video:** Instructional video added to the BWSR Website that goes through the steps of inputting data and appropriately using this estimator.

Version 2.0 (December 18, 2019)

The BWSR Estimator spreadsheet was recently updated to address some minor formatting and cosmetic issues. The actual equations behind four estimators (Sheet and Rill, Gully, Stream and Ditch, and Filter Strip) contained within the BWSR Estimator spreadsheet tool have not been changed. Current updates to the BWSR Estimator spreadsheet include:

- Updated from MS Excel 2003 to MS Excel 2016,
- Drop-down menus included for some fields where user previously needed to manually input numbers,
 - **Sheet and Rill/Filter Strip Estimator Example:** soil types are a drop-down list - sand (1), silt (2), clay (3), and peat (4)
 - **Gully Estimator Example:** Gully conditions are drop-down – channelized (1), non-channelized (2), a landlocked (3)

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- **Gully/Stream and Ditch Estimator Example:** Number of years is a drop-down with the following increments - 5, 10, 15, 20, 25, 30, 40, and 50.
- Two Power Point Training Modules added to BWSR website:
 - **Module 1:** BWSR Estimator 101-Gives basic background on the BWSR Estimator purpose and appropriate use.
 - **Module 2:** What practices does the BWSR Estimator address? This module includes the limited list of practices that the BWSR Estimator commonly addresses.