Metadata

**File:** SchutWestbrook\_Sy.csv

**Name**: Cherie J. Westbrook and Selena Schut, University of Saskatchewan

**Date**: 20 August 2021

**Project**: Data used in the calculation of specific yield for the following paper:

Schut, S., & Westbrook, C.J. (2022). Variations in the water storage capacity of a mountain peatland with complex stratigraphy. *Frontiers in Earth Science*, under review.

**Columns:**

|  |  |
| --- | --- |
| **Parameter** | **Definition** |
| Well\_No | Corresponds to well number in the Sibbald Fen well network; see Westbrook & Bedard-Haughn (2016) for detailed description of the well network. |
| EventStartTime | The start time of a rainfall event |
| Rainfall \_mm | The amount of rainfall during an event (in mm) |
| Intensity\_mm/h | Rainfall intensity (in mm/hr) calculated from the rainfall amount (in mm) divided by the duration of the event (in hr). |
| WTi\_cm | Depth of the water table at the onset of a rainfall event (in cm). |
| changeWT\_cm | Change in the water table (in cm) during a rainfall event. Positive numbers indicate a water table rise. |
| Sy | Specific yield, as approximated from Rainfall\_mm divided by changeWT\_cm |

**References:**

Westbrook CJ, Bedard-Haughn A. (2016). Sibbald Research Wetland: Mountain peatland form and ecohydrologic function as influenced by beaver. *The Forestry Chronicle* 92(1): 37-38.