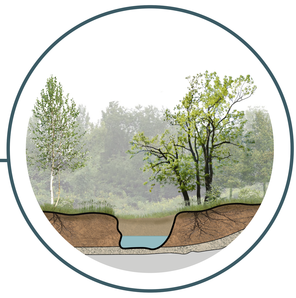


Existing Conditions

Shafer Run

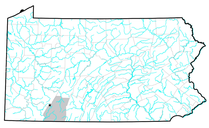
SOIL MONOLITH LEGACY SEDIMENT PROFILE

Somerset County, Pennsylvania

Watershed Area: 2.3 square miles

Latitude: 40º 04' 49'' N
Longitude: 79º 13' 30'' W

July 12, 2022



Legacy Sediment
1700 AD to Present

Historical Conditions

Historical Floodplain
9,000 BC to 1700 AD

HEMLOCK LOG
885 - 990 AD[1]

685 - 790 AD

775 - 970 AD[2]

Basal Gravels
older than 9,000 BC

[1] 1,120 ¹⁴C age BP (±20) PSUAMS#12024
[2] 1,160 ¹⁴C age BP (±15) PSUAMS#12025
All results have been corrected for isotopic fractionation according to the conventions of Stuiver and Polach (1977), with δ13C values measured on prepared graphite using the AMS. Conversion of the conventional ages to calendar years was done by calibrating with the IntCal20 northern hemisphere calibration curve in OxCal 4.4.4.

Land Studies

ID: Shafer Run - Trench 11