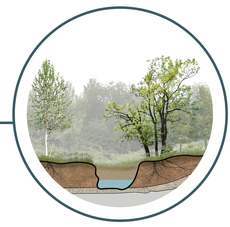


Existing Conditions

Legacy Sediment
AD 1700 to Present

Little Conestoga Creek at Harrisburg Pike

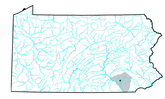
SOIL MONOLITH LEGACY SEDIMENT PROFILE

Lancaster County, Pennsylvania

Watershed Area: 31 square miles

Latitude: 40º 03′ 52″ N
Longitude: 76º 20′ 51″ W

January 4, 2022



Historical Conditions

Historical Floodplain
9,000 BC to AD 1700

7,540 - 7,340 BC

Basal Gravels
older than 9,000 BC

11,150 - 10,970 BC

8380 ¹⁴C age BP (+/-30) PSUAMS#10825
δ¹³C = -25.0 ‰ (AMS measured)
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 calender years was done by calibrating with the IntCal20 northern hemisphere calibration curve in OxCal 4.4.4.

Land Studies

ID: Little Conestoga - MH 5+50A