

Dataset	BBW	LRW
Lidar DEM resolution	1 m	10 m
Soil map	Survey (1993)	ERD
Land use maps	Survey (1992–2011)	ERD (one map)
Precipitation, temperature, relative humidity, and wind speed	St. Leonard (1992–2011)	St. Leonard (2001–2010)
Solar radiation	WS no. 08 (1992–2011)	WS no. 08 (2001–2010)
Contour tillage operation (spring and fall)	Survey (1992–2011)	Only for potato and barley (2001–2010)
Fertilizer application	Survey (1992–2011)	Estimated from BBW (2001)
Crop rotation	Survey (1992–2011)	Potato–barley (2001–2010)
Terraces and grassed waterways	Survey (1992–2011)	Negligible
Discharge, sediment, NO ₃ -N, and Sol-P	MS no. 01 (1992–2011)	MS no. 12 (2001–2010)