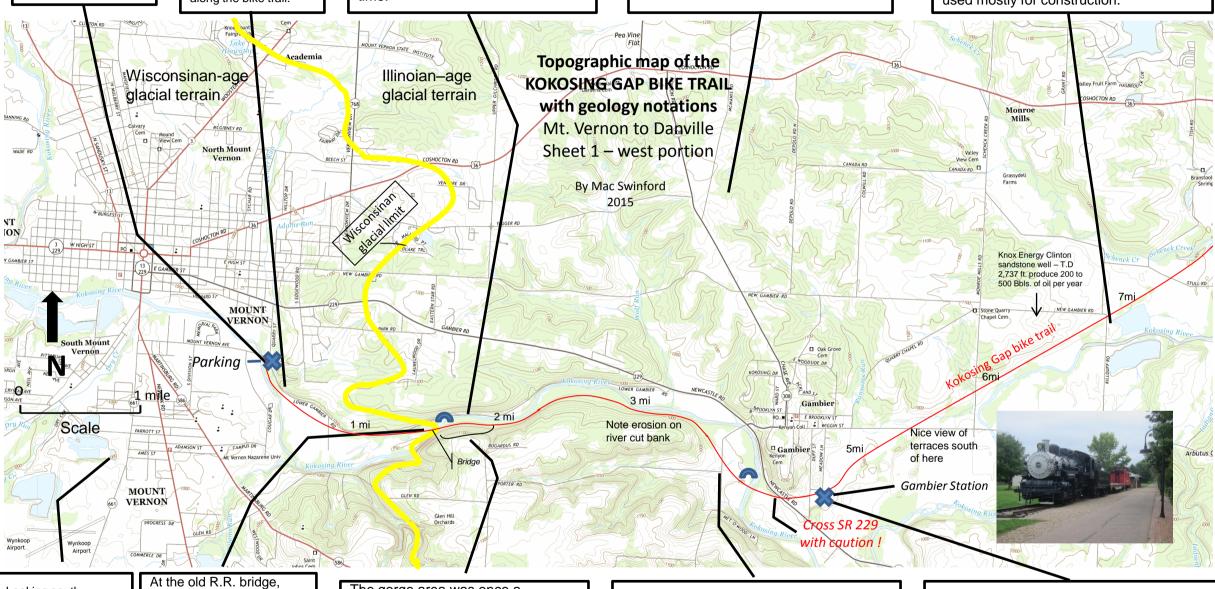
Kokosing Gap Trail Parking is located on Mt. Vernon Avenue immediately east of Kokosing River. Bathrooms available 400 feet north of Mt. Vernon Avenue at a baseball field. Mississippian-age sandstone of the Black Hand Member of the Cuyahoga Formation is poorly exposed along Lower Gambier Road above the trail to the north. Bedrock exposures are rare along the bike trail.

Crossing east into Illinoian glacial terrain, there are large jagged sandstone layers in the bottom of the Kokosing River indicating that the stream flows near or on bedrock. Bedrock has been continuously cut from this gorge since Wisconsinan time.

Illinoian glacial terrain is commonly more steeply rolling than Wisconsinan glacial terrain west of the yellow line. Illinoian terrain has undergone 125,000 years of erosion, while the Wisconsinan terrain has only 15,000 years of erosion.

Small's Sand and Gravel, Inc. extracts from a Wisconsinan-age high-level terrace deposits formed by torrents of sediment laden water from melting glacial ice once located to the north and west. A total of 211,000 tons of sand and gravel was mined at this operation in 2013 and used mostly for construction.



Looking south through the trees, the broad flat lowland is a Wisconsinian outwash terrace. This terrace is the latest deposit of many that filled the large, south flowing preglacial valley that passed through Mt. Vernon and Utica is now filled with glacial drift.

At the old R.R. bridge, note the rounded gravel of the modern bedload and floodplain. Most of the gravel is reworked outwash. This is in contrast to the bedrock stream bottom just downstream beyond the Wisconsinan glacial boundary. The trail is entering a gorge east of here.

The gorge area was once a continuous highland or divide which separated streams to the east and west. Wisconsinan glaciation disrupted local stream flow and caused lakes to form. The rising water level in the lakes found a new outlet at this gorge and formed the modern Kokosing River valley. Colluvium covers the steep hillsides here.

The Brown Family Environmental Center at Kenyon College is a 480 acre preserve built mostly on Wisconsinan-age outwash terrace of sand and silt. The terrace indicates that the water level and velocity were both higher as massive quantities of water melting off the Ice-Age glaciers to the north and west flowed to the south and east.

The bike trail passes south of Gambier, home of Kenyon College. The train display is worth a look. Bathrooms and water are available here. The broad flat area is a Wisconsinan-age low level constructional terrace while the area immediately to the south is an erosional "cut" terrace. The notch in the hillside to the south is the valley of a south flowing pre-glacial river of considerable size that was blocked by advancing Wisconsinan ice.

