

Susquehanna River at Wilkes-Barre, Pennsylvania

Latitude:	Longitude:	Gauge Elevation:	Drainage Area:	County of Gage:	County of Town:	Weather Office:
41°15'03" or 41.252778° N	75°52'52" or 75.879167° W	510.86 feet	9,960 mi ²	Luzerne, PA	Luzerne, PA	Binghamton
Major Basin:	Sub Basin:	Minor Sub Basin:		Minor:	Moderate:	Major:
Susquehanna	Main Stem Susquehanna	Upper Main Stem Susquehanna		22.00	28.00	30.00
Period of Record (used in flood frequency)				Outside Period of Record (not used in flood frequency)		
3/30/1899 to Present				10/5/1786 to 3/29/1899		
Feet	Flood Impacts					
48.10	Height of the instrument shelf. Inundation at this point will stop gauge from operating.					
42.66	Record flood stage of September 8, 2011. Remnants of Tropical Storm Lee.					
41.00	Maximum effective design of levee protection for the city of Wilkes-Barre. Levee height above this level may not provide protection.					
40.90	Flood stage from Hurricane Agnes, June 24, 1972.					
36.00	Nescopeck borough begins to flood.					
35.00	Dundee area in Hanover Township begins to flood. US Route 11 in Edwardsville floods.					
33.00	Mocanaqua begins to flood.					
32.00	Main Street in Shickshinny floods.					
31.00	Hollenback Park in Wilkes-Barre, Duryea and West Pittston are affected. The Brookside area begins to flood.					
30.00	Major flooding begins. US Route 11 in Avondale is covered by flood water. Main Street in Shickshinny begins to flood. Flooding begins to affect areas of Wilkes-Barre upstream of North Street bridge, including the Court House.					
29.00	US Route 11 in Shickshinny is closed. River Road in Port Blanchard and West Pittston begin to flood. PP&L Riverlands facilities begin to flood.					
28.00	Moderate flooding begins. US Route 11 in West Nanticoke is closed. Canal Street in West Nanticoke begins to flood.					
27.00	US Route 11 in West Nanticoke and River Road in Plainsville begin to flood.					
24.00	Canal Street in Shickshinny and lowlands in Pittston begin to flood.					
22.00	Minor flooding begins. Lowlands in Plainsville, Plymouth Flats, West Nanticoke and Shickshinny flood. Maximum effective design of levee protection in the City of Wilkes-Barre is 41 feet.					
Gauge Stage Changes						
Start and End Date		Minor		Moderate		Major
1/1/1786 to 1/11/2009		22.0		24.0		30.0