

Monthly Mean Streamflow

Lat = 41 45 55

Susquehanna River at Towanda, PA

Lon = 76 26 28

Flood Stage = 16 ft

Period of Record 1913 - 2009

Floods = INC

YEAR	No Incomplete Data is used for Statistical Calculation - Discharge, cubic feet per second												Avg
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1913	missing	missing	missing	missing	missing	missing	missing	missing	missing	2,792	8,573	5,275	missing
1914	7,090	10,430	26,370	42,360	20,900	3,192	3,356	4,826	3,529	1,325	1,562	1,885	10,569
1915	20,570	30,470	9,562	11,740	6,351	1,918	23,840	16,210	5,387	10,110	7,110	10,530	12,817
1916	21,050	10,010	17,430	48,200	13,950	18,680	4,560	1,647	2,695	4,253	5,399	6,237	12,843
1917	7,274	4,004	22,900	16,730	11,710	25,150	15,090	12,380	5,192	14,060	11,050	2,388	12,327
1918	1,335	20,060	36,480	23,360	14,840	8,605	3,836	1,706	4,813	7,764	11,340	9,821	11,997
1919	9,974	4,580	16,570	17,990	24,150	4,053	3,859	2,921	1,814	2,483	11,560	6,757	8,893
1920	2,323	1,821	43,400	18,570	7,805	2,858	5,250	6,415	5,382	7,282	9,785	20,070	10,913
1921	6,481	6,984	29,040	12,260	7,446	1,696	2,466	2,130	1,600	2,136	18,530	12,420	8,599
1922	5,594	13,480	26,370	27,250	7,023	20,540	8,593	5,344	3,992	1,772	1,864	2,141	10,330
1923	7,537	5,164	30,220	16,600	10,930	3,194	1,213	941	1,414	2,060	2,868	11,630	7,814
1924	15,480	3,963	12,670	35,080	18,750	4,403	2,672	2,148	3,711	13,050	2,811	4,527	9,939
1925	2,484	31,190	18,910	13,530	9,263	2,795	5,123	3,700	4,539	6,284	17,270	12,870	10,663
1926	8,120	11,250	23,680	31,130	6,230	3,468	1,634	3,325	4,751	10,400	25,019	7,311	11,360
1927	9,558	16,910	37,190	13,080	19,680	4,982	1,800	1,985	2,726	17,010	28,940	29,330	15,266
1928	11,220	13,060	18,020	23,970	15,930	17,410	10,780	5,215	1,610	1,445	2,711	6,264	10,636
1929	3,986	4,807	33,970	45,760	21,270	3,279	2,067	1,143	961	4,837	7,334	10,070	11,624
1930	16,180	11,020	22,570	12,910	7,199	6,506	2,307	755	1,028	704	741	1,459	6,948
1931	1,273	3,385	17,540	23,800	15,060	5,102	4,601	1,969	1,359	947	2,341	9,340	7,226
1932	17,860	15,330	10,230	31,940	13,050	2,688	3,798	2,077	990	9,165	18,310	4,786	10,852
1933	6,057	4,066	19,600	25,790	8,235	2,905	1,574	7,361	8,322	4,421	6,415	8,778	8,627
1934	12,659	2,932	15,470	23,340	4,117	3,672	1,166	1,013	4,465	3,080	7,403	9,706	7,419
1935	17,640	6,634	25,150	22,440	14,070	2,924	17,470	3,694	1,792	1,900	17,960	10,890	11,880
1936	6,867	4,117	60,780	21,070	7,269	2,309	854	1,618	1,081	3,164	11,610	10,770	10,959
1937	25,610	10,840	9,799	30,370	12,730	7,362	3,461	6,185	4,516	10,040	12,460	10,750	12,010
1938	8,928	18,000	19,550	14,130	5,971	3,172	2,006	3,754	11,650	3,744	5,372	16,410	9,391
1939	6,067	24,070	26,370	21,800	4,253	1,615	823	755	468	1,089	2,884	5,283	7,956
1940	2,863	3,147	14,460	66,750	12,360	6,682	4,598	1,411	2,886	2,033	6,272	14,890	11,529
1941	9,424	4,600	10,950	32,790	4,002	2,595	1,581	1,656	688	659	1,906	5,923	6,398
1942	4,973	4,846	32,460	17,410	10,830	7,002	3,322	4,683	4,227	9,575	14,900	19,080	11,109
1943	19,780	16,590	29,459	22,800	34,770	10,010	2,257	2,408	1,270	5,975	13,690	4,407	13,618
1944	2,552	4,817	23,470	23,650	16,600	7,681	2,384	1,065	1,426	3,058	4,667	8,321	8,308
1945	8,948	11,810	49,550	13,600	25,010	11,540	4,962	3,160	8,237	16,100	20,390	11,870	15,431
1946	14,130	5,185	26,870	4,975	25,210	17,250	5,601	4,874	2,452	6,738	4,546	3,426	10,105
1947	15,520	9,243	18,670	32,930	28,460	15,409	9,913	5,301	3,084	1,198	5,183	4,887	12,483
1948	2,710	10,690	41,230	24,880	18,250	7,391	3,783	3,589	1,130	1,173	5,979	8,219	10,752
1949	23,190	15,370	13,210	13,730	8,868	2,755	1,176	1,671	2,713	3,115	5,467	11,390	8,555
1950	18,030	8,791	26,560	31,979	10,210	7,226	3,061	3,240	10,020	5,235	14,900	23,210	13,539
1951	18,300	23,750	23,550	24,160	5,527	4,152	7,163	2,380	1,642	1,437	7,400	13,250	11,059
1952	24,230	12,750	24,870	21,990	13,490	4,515	3,753	1,859	1,340	1,076	3,393	14,710	10,665
1953	15,110	14,080	20,940	16,890	16,000	4,527	1,514	941	764	843	2,137	6,773	8,377
1954	6,014	17,410	15,690	17,880	15,980	7,193	1,467	866	1,626	1,015	8,931	14,060	9,011
1955	10,420	9,605	35,160	13,339	5,135	2,902	1,049	2,911	1,279	21,950	18,690	7,745	10,849
1956	6,031	10,160	37,030	46,930	13,800	5,533	4,493	1,705	4,933	3,656	5,348	17,790	13,117
1957	12,260	9,250	17,030	26,500	11,830	3,239	2,202	1,635	1,243	1,244	2,558	11,330	8,360
1958	6,656	4,671	20,120	58,850	19,940	9,898	4,795	1,865	2,896	4,976	9,882	6,168	12,560
1959	15,210	11,610	19,780	27,400	7,055	2,101	1,158	1,109	1,090	6,544	21,100	26,160	11,693
1960	13,050	16,950	11,740	43,430	18,510	16,830	3,236	1,888	5,386	2,547	3,789	2,375	11,644
1961	1,660	19,070	25,119	37,170	16,830	10,840	3,893	4,052	1,966	990	2,501	4,092	10,682
1962	9,600	4,086	21,540	33,920	7,756	1,980	783	853	734	5,827	8,898	6,724	8,558
1963	5,313	3,286	30,680	21,940	10,960	4,802	1,821	1,220	767	619	2,222	6,787	7,535

Drainage Area = 7,797 sq mi

Gage Datum = 694.38 ft MSL

Susquehanna Basin (Main stem)

Bradford County

Monthly Mean Streamflow

Lat = 41 45 55

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Lon = 76 26 28

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YEAR	No Incomplete Data is used for Statistical Calculation - Discharge, cubic feet per second												Avg
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1964	12,920	6,482	45,480	20,250	9,132	1,834	1,036	571	432	507	495	2,044	8,432
1965	3,715	13,800	8,545	20,340	7,725	2,795	841	600	820	2,216	5,783	7,151	6,194
1966	6,047	14,829	30,610	14,030	14,990	6,279	1,315	783	938	1,114	2,973	7,662	8,464
1967	7,268	7,526	18,810	22,080	17,830	4,475	3,592	4,149	2,627	7,180	18,150	15,200	10,741
1968	4,884	10,070	22,350	10,750	16,380	16,020	5,397	1,753	4,150	2,532	20,160	14,310	10,730
1969	9,545	8,733	12,240	24,950	9,414	7,044	3,398	2,421	843	1,016	12,220	11,690	8,626
1970	4,835	16,990	13,390	41,820	10,310	3,272	3,595	1,288	2,068	5,363	12,220	9,104	10,355
1971	6,343	16,600	28,199	29,330	14,240	2,834	1,442	1,850	1,537	1,297	1,947	16,170	10,149
1972	12,550	5,034	33,980	31,300	22,590	41,150	11,250	3,016	1,393	1,971	22,080	29,680	18,000
1973	15,659	13,160	21,550	23,640	15,770	7,185	4,940	1,945	1,968	1,577	3,237	23,870	11,208
1974	16,940	13,880	17,900	28,590	11,230	4,111	4,480	1,706	4,005	3,060	10,300	15,509	10,976
1975	16,380	21,880	19,550	15,090	15,359	8,053	3,035	2,198	22,210	17,900	10,400	11,240	13,608
1976	13,330	35,700	25,540	15,480	14,779	10,990	8,292	7,245	3,953	22,500	9,912	6,939	14,555
1977	2,209	7,119	41,050	22,030	9,529	2,847	2,313	2,859	23,200	31,269	22,890	26,840	16,180
1978	23,690	7,789	29,400	32,220	11,200	4,909	2,034	3,933	2,105	3,525	3,506	7,079	10,949
1979	24,550	7,029	43,910	19,630	9,941	4,521	1,755	1,306	2,503	6,098	11,610	10,420	11,939
1980	5,184	2,139	24,670	25,660	7,151	2,716	3,371	1,558	1,040	1,658	3,779	5,692	7,052
1981	1,533	29,520	8,417	8,554	9,251	5,939	2,501	1,810	3,217	12,709	13,569	9,048	8,839
1982	7,975	13,289	24,120	23,670	6,096	17,430	5,558	1,708	1,105	957	2,727	6,562	9,266
1983	4,887	13,370	15,640	35,140	23,250	6,200	2,170	1,424	887	955	4,067	25,679	11,139
1984	4,134	27,480	12,820	37,280	25,900	10,530	7,206	5,674	2,337	1,527	3,832	16,820	12,962
1985	7,844	8,479	18,960	11,520	3,297	2,141	1,557	1,024	3,060	4,421	13,830	12,939	7,423
1986	9,509	14,950	33,230	17,160	8,784	9,637	4,648	7,295	2,251	6,213	19,600	18,420	12,641
1987	7,387	4,246	21,190	28,060	4,691	3,595	4,248	1,476	5,836	5,124	6,725	11,960	8,712
1988	6,072	11,940	16,620	11,400	14,000	3,157	1,978	1,704	2,405	2,681	10,740	5,124	7,318
1989	4,524	6,270	12,270	19,850	26,910	19,340	4,826	2,015	2,567	6,768	11,260	4,225	10,069
1990	11,760	30,550	15,170	18,960	18,230	5,419	4,047	2,692	2,262	19,960	17,370	23,340	14,147
1991	15,220	15,809	22,760	17,940	9,125	2,248	1,004	1,102	908	1,494	4,423	9,258	8,441
1992	10,070	6,976	19,780	21,560	11,030	8,093	5,682	8,936	6,701	8,169	19,430	13,339	11,647
1993	17,650	4,079	17,250	76,640	9,127	3,827	1,507	1,142	1,462	2,044	13,630	14,290	13,554
1994	5,471	14,270	32,500	46,330	8,287	10,640	6,813	14,700	4,574	3,356	7,870	13,020	13,986
1995	14,680	5,886	16,380	10,840	4,739	2,978	1,193	876	790	7,129	11,430	7,528	7,037
1996	31,200	14,050	16,110	26,340	29,530	6,684	6,525	3,802	3,855	9,111	23,340	32,560	16,926
1997	9,235	12,030	22,080	15,320	11,560	5,567	1,983	1,009	1,031	1,321	5,810	8,143	7,924
1998	29,030	15,250	30,600	22,680	14,190	9,015	10,470	1,563	1,128	1,521	1,358	2,263	11,589
1999	14,470	12,590	17,050	16,530	4,315	1,381	1,392	722	3,390	3,226	4,596	8,884	7,379
2000	10,350	17,840	26,010	32,830	25,750	14,170	4,406	3,398	2,304	4,351	3,982	10,560	12,996
2001	4,285	10,370	15,179	35,970	4,195	7,569	2,718	1,189	2,025	1,444	1,527	7,029	7,792
2002	4,794	17,400	15,840	15,480	22,100	18,820	2,779	1,050	1,794	6,294	11,770	13,110	10,936
2003	11,380	8,293	35,970	23,830	10,820	17,930	8,380	9,259	10,760	13,039	19,480	25,660	16,233
2004	11,510	4,708	27,470	20,510	16,110	6,701	12,640	14,380	27,940	6,894	10,410	23,770	15,254
2005	22,520	14,360	19,120	37,740	6,092	3,371	2,483	906	1,810	15,200	18,150	16,940	13,224
2006	26,710	16,110	12,240	11,290	7,620	25,670	18,600	8,121	10,640	14,900	22,960	10,000	15,405
2007	18,540	3,825	33,080	25,970	8,618	3,042	2,024	1,674	1,580	4,425	11,210	20,100	11,174
2008	15,830	24,780	36,420	19,920	5,963	2,350	3,240	2,827	1,318	missing	missing	missing	missing
2009	missing	missing	missing	missing	missing	missing	missing	missing	missing	missing	missing	missing	missing
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Avg
Mean	11,100	11,900	23,700	25,100	13,000	7,400	4,300	3,160	3,570	5,590	9,690	11,500	10,834
Max	31,200	35,700	60,780	76,640	34,770	41,150	23,840	16,210	27,939	31,269	28,940	32,560	
Min	1,273	1,821	8,417	4,975	3,297	1,381	783	571	432	507	495	1,459	

Drainage Area = 7,797 sq mi
Gage Datum = 694.38 ft MSL

Susquehanna Basin (Main stem)
Bradford County