

## LEHIGH RIVER BASIN

## 01454700 LEHIGH RIVER AT GLENDON, PA

**LOCATION.**--Lat 40°40'09", long 75°14'12", Northampton County, Hydrologic Unit 02040106, on right bank 140 ft upstream from highway bridge in Hugh Moore Parkway at Glendon, 2.3 mi upstream from mouth, and 2.0 mi southwest of Easton.

**DRAINAGE AREA.**--1,359 mi<sup>2</sup>.

**PERIOD OF RECORD.**--October 1966 to current year.

**REVISED RECORDS.**--WDR PA-72-1: 1971(M).

**GAGE.**--Water-stage recorder and crest-stage gage. Datum of gage is 164.30 ft above sea level.

**REMARKS.**--Records good except those for estimated daily discharges, which are fair. Flow regulated by Francis E. Walter Reservoir (station 01447780), Penn Forest Reservoir (station 01449400), Wild Creek Reservoir (station 01449700), and since February 1971, by Beltzville Lake (station 01449790) about 60 mi upstream. Flows above 10,000 ft<sup>3</sup>/s may be affected by backwater from the Delaware River. Several measurements of water temperature were made during the year. Satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	827	779	1130	1990	2560	2960	6180	2020	2060	2100	887	971
2	823	762	1070	1930	2540	2790	5610	1990	2690	1970	852	945
3	824	762	962	1740	2420	2700	5580	1950	2380	1550	819	789
4	837	781	893	1820	2160	2630	5080	1810	2560	1540	1500	768
5	1030	765	958	1650	2240	2730	4840	1680	2680	1740	1780	781
6	947	755	851	1630	2220	2600	4680	1750	2410	1770	1440	850
7	899	761	850	1670	2120	2540	4860	1710	2110	1460	1110	813
8	894	759	864	1610	1990	2580	4550	1600	1740	1610	877	768
9	833	766	834	1580	1900	2550	4460	1480	1700	1660	809	696
10	824	1100	793	1430	2270	2480	5030	1390	1840	1360	1030	679
11	831	1180	833	1400	2740	2380	5260	1380	1660	1520	2220	697
12	850	959	863	1430	2500	2380	5260	1340	1370	1550	2640	680
13	849	878	841	1360	2620	3840	4810	1340	1980	1460	2030	662
14	795	945	1290	1370	2670	4430	3670	1290	1430	1380	1630	1000
15	745	1120	1370	1440	2800	4280	3240	1270	1310	1420	1440	780
16	735	1070	1230	1430	2840	4110	3530	1230	1410	1140	1250	806
17	795	1010	10000	1440	3010	4170	3620	1150	3900	1110	1080	734
18	1080	962	13500	1360	2670	4170	4090	1140	3480	1180	1020	682
19	1310	827	9110	1580	2520	3880	3780	1160	2880	1090	983	640
20	1100	836	7940	2210	2500	3730	3460	1140	2600	1030	959	932
21	1030	840	5560	1860	2490	4070	3220	1300	2470	984	924	1860
22	1310	800	4410	1460	2380	5490	3130	2450	3450	975	895	1180
23	931	733	3440	1410	2310	5870	3050	2120	6470	959	949	964
24	894	704	3200	1400	2340	5640	2910	1720	3970	880	918	888
25	887	709	e2950	1480	2430	5340	2710	1590	2970	909	895	3660
26	880	1070	e2700	1300	3010	5020	2580	2120	2410	1890	875	3250
27	873	1430	e2650	1380	3190	4440	2440	3390	2080	1330	864	2490
28	836	1270	e2600	1310	3110	3910	2230	2850	1870	967	910	2010
29	796	1390	e2500	1200	---	3510	2100	2660	1750	896	837	1550
30	781	1330	e2350	1640	---	6400	2060	2480	1600	886	824	1290
31	781	---	2160	2380	---	7090	---	2230	---	906	777	---
TOTAL	27827	28053	90702	48890	70550	120710	118020	54730	73230	41222	36024	34815
MEAN	898	935	2926	1577	2520	3894	3934	1765	2441	1330	1162	1160
MAX	1310	1430	13500	2380	3190	7090	6180	3390	6470	2100	2640	3660
MIN	735	704	793	1200	1900	2380	2060	1140	1310	880	777	640

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2001, BY WATER YEAR (WY)

MEAN	1951	2660	3410	3090	3254	4319	4455	3391	2531	1835	1479	1658
MAX	5272	5438	9593	8414	5385	8344	10810	8542	7607	4641	4179	7920
(WY)	1977	1971	1997	1996	1976	1977	1993	1989	1972	1984	1969	1987
MIN	771	798	633	405	1278	1805	1639	1502	906	630	607	660
(WY)	1981	1999	1981	1981	1980	1981	1985	1995	1999	1999	1999	1983

e Estimated.

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SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR			FOR 2001 WATER YEAR			WATER YEARS 1967 - 2001		
ANNUAL TOTAL	906192			744773			2833		
ANNUAL MEAN	2476			2040			3997		
HIGHEST ANNUAL MEAN							1984		
LOWEST ANNUAL MEAN							1985		
HIGHEST DAILY MEAN	13500	Dec 18		13500	Dec 18		44300	Jun 23	1972
LOWEST DAILY MEAN	704	Nov 24		640	Sep 19		330	Jan 31	1981 <sup>a</sup>
ANNUAL SEVEN-DAY MINIMUM	764	Nov 2		714	Sep 7		349	Jan 26	1981
MAXIMUM PEAK FLOW				22100	Dec 17		<sup>b</sup> 60600	Jun 23	1972
MAXIMUM PEAK STAGE				16.14	Dec 17		24.86	Jun 23	1972
10 PERCENT EXCEEDS	4760			3930			5570		
50 PERCENT EXCEEDS	1860			1540			2070		
90 PERCENT EXCEEDS	839			808			864		

<sup>a</sup> Also Feb. 1, 1981.

<sup>b</sup> From rating curve extended above 36,000 ft<sup>3</sup>/s.

