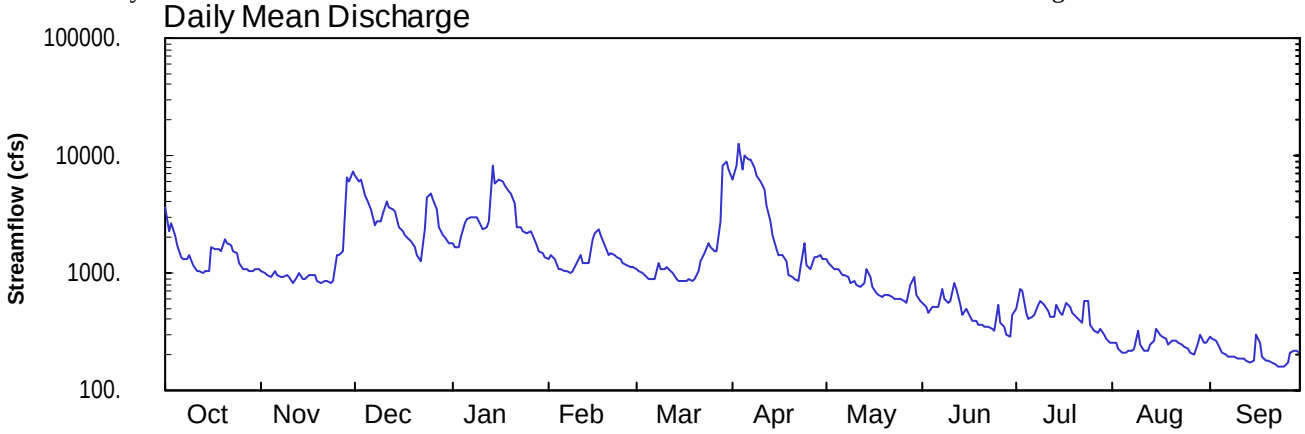
2005 Water Year
LEHIGH RIVER BASIN
01449000 Lehigh River at Lehighton, PA

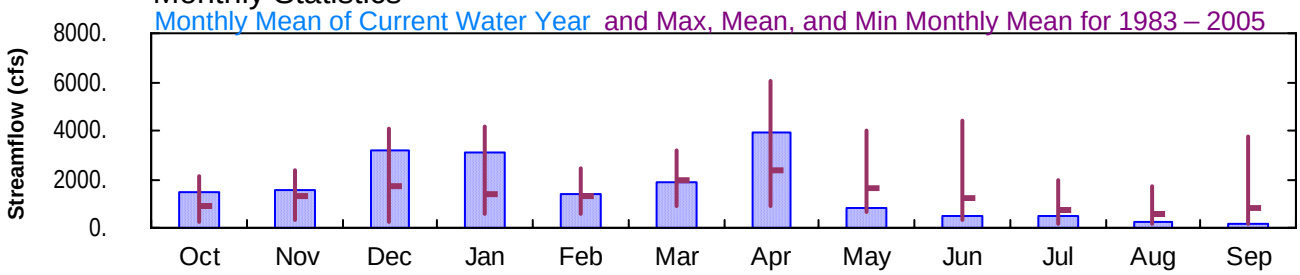
Latitude: 40° 49 ' 45" Longitude: 075° 42 ' 20" Hydrologic Unit Code: 02040106
Carbon County Datum: 444.26 feet Drainage Area: 591. mi²

Daily Mean Discharge

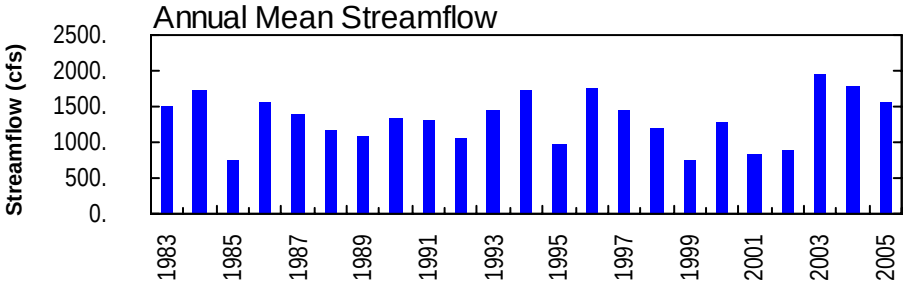


Monthly Statistics

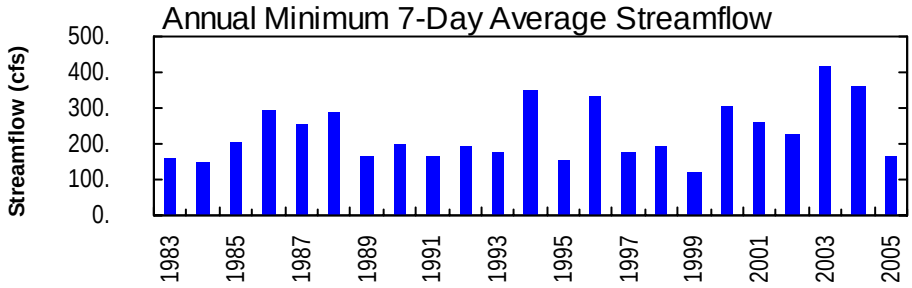
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1983 – 2005



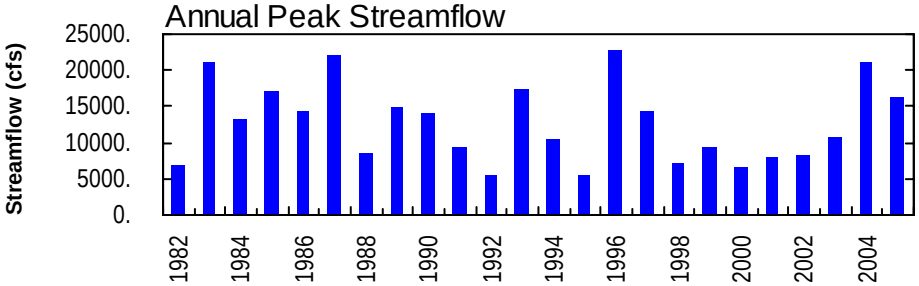
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



LEHIGH RIVER BASIN

01449000 LEHIGH RIVER AT LEHIGHTON, PA

LOCATION.--Lat 40°49'45", long 75°42'20", Carbon County, Hydrologic Unit 02040106, on left bank 190 ft downstream from highway bridge at Lehighton, and 0.3 mi upstream from Mahoning Creek.

DRAINAGE AREA.--591 mi^2.

PERIOD OF RECORD.--October 1945 to September 1948 (monthly discharge only, published in WSP 1302). October 1982 to current year. Gage height records beginning 1935 are contained in reports of the U.S. Weather Bureau. Miscellaneous measurements, water years 1977-78, 1980-81, and annual maximum, 1982.

REVISED RECORDS.--WDR PA-99-1: 1985(M).

GAGE.--Water-stage recorder. Datum of gage is 444.26 ft above National Geodetic Vertical Datum of 1929. Prior to August 1970, at same site at datum 2.0 ft higher. Prior to December 1982, nonrecording gage at highway bridge 190 ft upstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Francis E. Walter Reservoir (station 01447780) since February 1961. Several measurements of water temperature were made during the year. Satellite and landline telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3610	1030	6730	1760	e1300	1100	6220	1310	555	493	253	283
2	2230	996	6030	1690	e1400	1060	8110	1230	516	721	252	273
3	2640	969	6220	1630	1320	1020	12800	1130	459	714	228	264
4	2100	922	4620	2030	1090	978	7490	1100	518	458	214	242
5	1720	1060	4190	2650	1070	894	9830	1070	521	412	210	214
6	1360	970	3540	2850	1050	888	9150	976	522	430	217	200
7	1320	930	2590	2980	1030	902	9110	960	739	437	215	196
8	1330	925	2750	2930	987	e1200	7980	939	604	543	226	194
9	1420	957	2720	3010	1040	e1100	6650	823	555	585	319	193
10	1180	936	3250	2520	1230	e1100	6090	855	581	537	242	189
11	1050	824	4110	2390	1410	1140	5150	786	814	478	222	187
12	1020	913	3680	2490	1230	1030	3780	774	728	427	215	187
13	998	993	3530	2780	1200	1010	2740	807	535	416	250	179
14	1020	888	3320	8310	1220	894	2110	1080	440	545	267	174
15	1040	884	2430	5750	1920	866	1620	942	486	466	331	177
16	1690	980	2260	6330	2190	867	1410	767	429	443	304	302
17	1580	963	2070	6070	2350	869	1400	689	398	558	290	251
18	1600	954	1930	5470	2100	880	1250	662	390	510	277	198
19	1550	841	1860	5050	1700	854	963	627	363	454	248	183
20	1920	834	1680	4750	1430	899	921	651	361	422	268	177
21	1790	871	1430	3990	1480	1030	895	658	354	401	268	175
22	1710	839	1270	2450	1420	1270	861	619	347	377	260	167
23	1540	819	2320	2430	1390	1460	1150	606	331	586	241	160
24	1460	853	4430	e2280	1320	1770	1810	595	325	574	232	158
25	1200	1420	4700	e2200	1200	1680	1180	592	534	360	227	158
26	1090	1430	4230	2240	1160	1540	1100	579	374	321	207	172
27	1080	1510	3530	e2100	1130	1560	1350	564	354	313	199	207
28	1060	6420	e2500	e1700	1110	2710	1350	800	293	332	252	214
29	1040	5930	2140	1510	---	8300	1400	931	286	298	303	216
30	1090	7320	2010	1460	---	8970	1310	642	441	271	254	207
31	1080	---	1800	1390	---	7680	---	584	---	257	257	---
TOTAL	46518	46181	99870	97190	38477	57521	117180	25348	14153	14139	7748	6097
MEAN	1501	1539	3222	3135	1374	1856	3906	818	472	456	250	203
MAX	3610	7320	6730	8310	2350	8970	12800	1310	814	721	331	302
MIN	998	819	1270	1390	987	854	861	564	286	257	199	158
CFSM	2.54	2.60	5.45	5.30	2.33	3.14	6.61	1.38	0.80	0.77	0.42	0.34
IN.	2.93	2.91	6.29	6.12	2.42	3.62	7.38	1.60	0.89	0.89	0.49	0.38

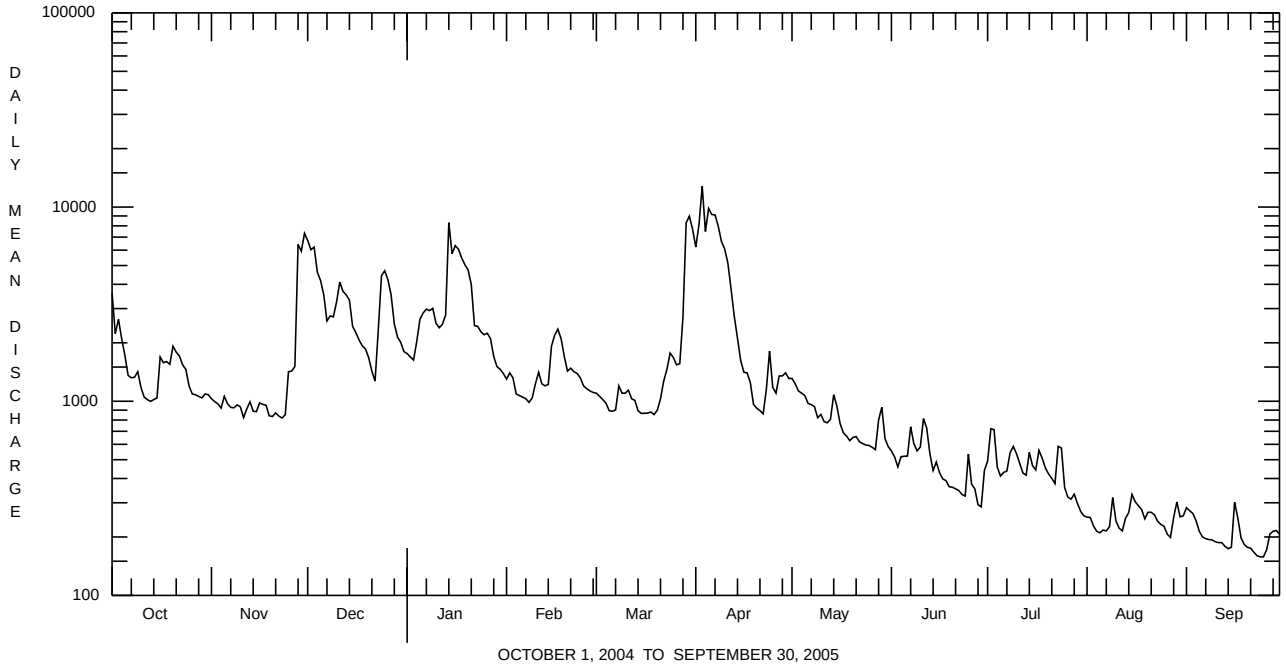
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1983 - 2005, BY WATER YEAR (WY)

MEAN	894	1311	1712	1372	1272	1924	2355	1669	1213	724	599	845
MAX	2135	2366	4120	4151	2470	3164	6010	4038	4404	1955	1686	3767
(WY)	2004	1986	1997	1996	1984	1986	1993	1989	2003	1984	2003	1987
MIN	238	286	267	532	566	926	895	657	325	152	154	181
(WY)	1983	1999	1999	1989	1987	1989	1995	1999	1999	1999	1999	1995

e Estimated.

LEHIGH RIVER BASIN

01449000 LEHIGH RIVER AT LEHIGHTON, PA--Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1983 - 2005	
ANNUAL TOTAL	597590		570422			
ANNUAL MEAN	1633		1563		1323	
HIGHEST ANNUAL MEAN					1954	2003
LOWEST ANNUAL MEAN					758	1985
HIGHEST DAILY MEAN	11300	Sep 18	12800	Apr 3	15100	Apr 16 1983
LOWEST DAILY MEAN	308	Jul 11	158	Sep 24,25	104	Aug 30 1999
ANNUAL SEVEN-DAY MINIMUM	362	Jul 5	167	Sep 20	120	Aug 6 1999
MAXIMUM PEAK FLOW			**a**16100	Apr 3	**a**22900	Jan 27 1996
MAXIMUM PEAK STAGE			9.96	Apr 3	12.55	Jan 27 1996
ANNUAL RUNOFF (CFSM)	2.76		2.64		2.24	
ANNUAL RUNOFF (INCHES)	37.61		35.90		30.42	
10 PERCENT EXCEEDS	3310		3640		2730	
50 PERCENT EXCEEDS	1160		987		906	
90 PERCENT EXCEEDS	628		237		288	

a From rating curve extended above 16,000 ft^3/s.