



2004 Water Year LEHIGH RIVER BASIN

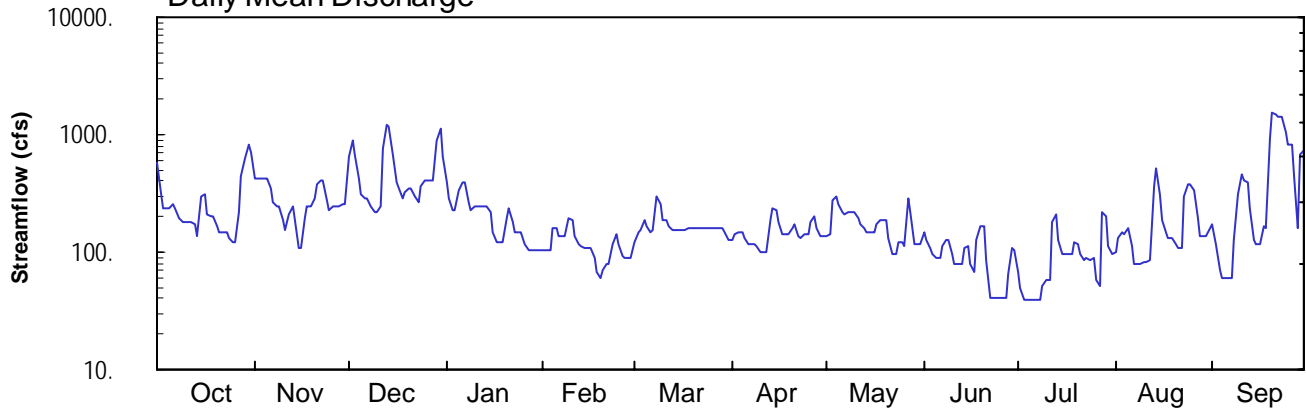
01449800 Pohopoco Cr bl Beltzville Dam nr Parryville, PA

Latitude: 40° 50 ' 44"
Carbon County

Longitude: 075° 38 ' 46"
Datum: 492.05 feet

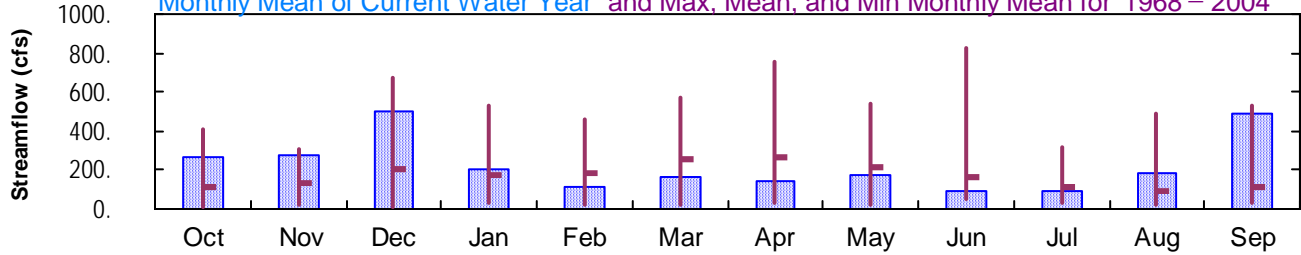
Hydrologic Unit Code: 02040106
Drainage Area: 96.4 mi²

Daily Mean Discharge

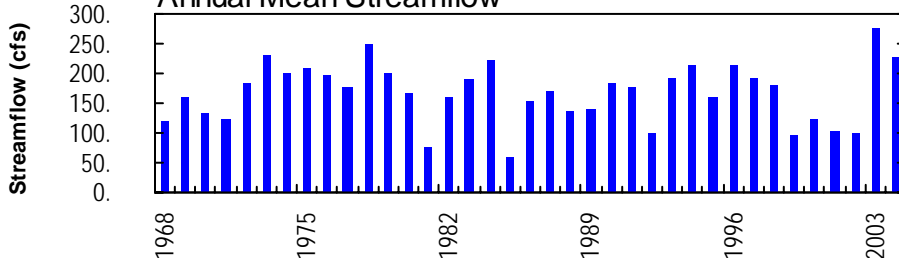


Monthly Statistics

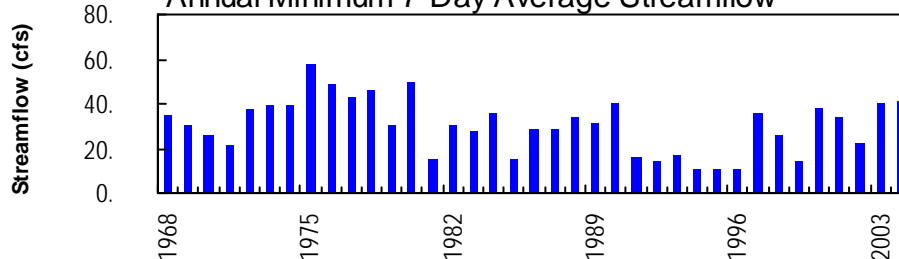
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1968 – 2004



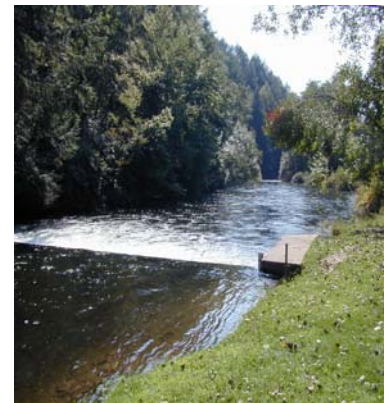
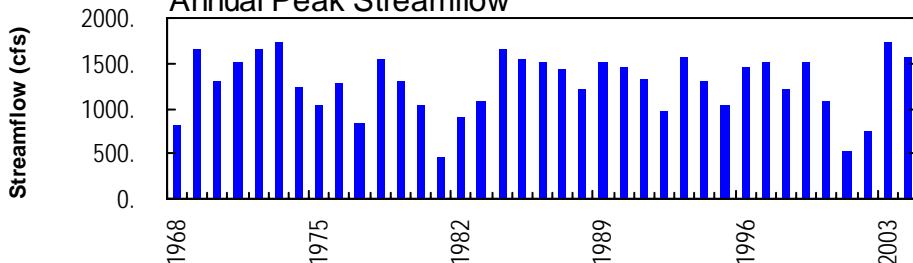
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



LEHIGH RIVER BASIN

01449800 POHOPOCO CREEK BELOW BELTZVILLE LAKE NEAR PARRYVILLE, PA

LOCATION.--Lat 40°50'44", long 75°38'46", Carbon County, Hydrologic Unit 02040106, on right bank 0.1 mi upstream from Sawmill Run, 0.4 mi downstream from Beltzville Dam, 1.3 mi upstream from Bull Run, and 2.3 mi northeast of Parryville.

DRAINAGE AREA.--96.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1967 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 492.05 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good. Flow regulated entire period of record by Wild Creek Reservoir (station 01449700) and Penn Forest Reservoir (station 01449400), 7.3 mi and 10.0 mi upstream respectively, and Beltzville Lake (station 01449790), reservoir for city of Bethlehem. Diversion upstream from Tunkhannock Creek to Wild Creek Basin since October 1969. Satellite and landline telemetry at station.

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	589	423	654	387	104	119	127	137	150	68	100	170
2	307	422	899	287	104	148	142	140	127	50	130	117
3	236	419	667	223	104	153	150	280	108	39	146	71
4	236	420	419	226	159	186	150	299	95	39	144	59
5	236	419	311	329	159	168	129	259	89	39	161	59
6	257	346	282	388	138	150	116	215	89	39	112	59
7	239	269	282	389	136	153	116	210	113	39	81	59
8	195	245	243	267	136	294	116	219	126	39	81	125
9	179	245	219	227	194	254	111	219	126	51	81	308
10	179	187	220	245	190	187	100	219	95	57	82	449
11	179	153	241	244	135	187	100	192	78	57	83	406
12	177	209	757	245	116	166	100	175	78	183	86	400
13	176	245	1200	245	110	154	184	158	78	207	367	235
14	137	187	1180	242	107	154	232	147	107	125	520	128
15	296	107	665	214	107	153	231	147	113	95	311	118
16	309	107	388	150	107	153	177	146	80	95	183	118
17	212	195	354	120	90	153	144	175	68	95	148	166
18	206	241	290	120	67	157	143	189	127	95	130	160
19	205	244	326	120	59	157	143	187	166	120	131	922
20	169	285	346	197	71	157	161	186	166	119	116	1510
21	149	374	345	236	78	157	171	133	85	95	107	1460
22	149	412	293	181	78	158	135	98	41	86	109	1440
23	147	407	263	146	118	157	133	98	41	88	293	1410
24	132	277	359	146	143	157	143	120	41	87	379	1040
25	123	226	412	146	117	157	143	123	41	88	379	816
26	123	242	409	119	93	157	181	114	41	58	340	808
27	216	241	408	103	89	158	203	281	41	52	192	466
28	449	247	407	103	89	157	161	221	65	217	138	161
29	618	252	902	104	89	160	136	116	107	199	138	671
30	819	254	1110	104	---	138	135	116	103	113	136	730
31	701	---	650	104	---	126	---	118	---	97	159	---
TOTAL	8345	8300	15501	6357	3287	5085	4413	5437	2785	2831	5563	14641
MEAN	269	277	500	205	113	164	147	175	92.8	91.3	179	488
MAX	819	423	1200	389	194	294	232	299	166	217	520	1510
MIN	123	107	219	103	59	119	100	98	41	39	81	59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2004, BY WATER YEAR (WY)

MEAN	111	133	205	176	185	258	264	210	163	109	89.2	109
MAX	405	302	675	527	459	576	754	538	827	321	491	529
(WY)	1983	1971	1997	1979	1976	1977	1993	1990	2003	1975	1969	1987
MIN	12.7	19.2	14.4	33.3	17.0	16.2	32.5	25.2	46.7	32.4	18.0	29.2
(WY)	1996	1992	1992	1981	1981	1981	1981	1971	1999	1985	1985	1970

LEHIGH RIVER BASIN

01449800 POHOPOCO CREEK BELOW BELTZVILLE LAKE NEAR PARRYVILLE, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1968 - 2004	
ANNUAL TOTAL	113778		82545			
ANNUAL MEAN	312		226		168	
HIGHEST ANNUAL MEAN					276	
LOWEST ANNUAL MEAN					60.2	
HIGHEST DAILY MEAN	1380	Jun 23	1510	Sep 20	1510	Sep 20 2004
LOWEST DAILY MEAN	55	Aug 2-4 ^a	39	Jul 3-8	9.5	Oct 12 1993
ANNUAL SEVEN-DAY MINIMUM	64	Jul 29	41	Jul 2	11	Oct 7 1993
MAXIMUM PEAK FLOW			1570	Sep 19	1740	May 8 1973 ^b
MAXIMUM PEAK STAGE			5.72	Sep 19	5.99	Jun 22 2003
10 PERCENT EXCEEDS	822		410		373	
50 PERCENT EXCEEDS	195		157		105	
90 PERCENT EXCEEDS	95		81		36	

^a Also Sept. 11-14.
^b Also June 22, 2003.

LEHIGH RIVER BASIN

01449800 POHOPOCO CREEK BELOW BELTZVILLE LAKE NEAR PARRYVILLE, PA--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Water year 1969 to September 30, 2004. (discontinued)

INSTRUMENTATION.--Temperature probe interfaced with a data collection platform since water year 1986.

REMARKS.--Water temperature records rated good. Interruptions in the record were due to equipment failure.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum, 26.5°C, several days during July and August 1970; minimum, 0.0°C, Dec. 9, 1969, Jan. 15, 1999.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 19.0°C, Sept. 18, 28, 29; minimum, 2.0°C, Jan. 25-27.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.0	17.5	17.5	13.0	13.0	13.0	9.0	9.0	9.0	4.0	3.5	4.0
2	18.0	17.5	17.5	13.0	13.0	13.0	9.0	8.5	8.5	4.0	3.5	4.0
3	17.5	17.0	17.5	13.0	13.0	13.0	8.5	8.0	8.5	4.0	4.0	4.0
4	17.0	17.0	17.0	13.5	13.0	13.0	8.0	7.5	8.0	4.0	4.0	4.0
5	17.0	16.5	16.5	13.0	13.0	13.0	7.5	7.5	7.5	4.0	4.0	4.0
6	16.5	16.5	16.5	13.0	13.0	13.0	7.5	7.0	7.0	4.0	3.5	4.0
7	16.5	16.0	16.0	13.0	12.5	13.0	7.0	6.5	7.0	3.5	3.5	3.5
8	16.5	16.0	16.0	13.0	12.5	12.5	6.5	6.5	6.5	3.5	3.0	3.5
9	16.0	16.0	16.0	12.5	12.5	12.5	6.5	6.0	6.5	3.0	2.5	3.0
10	16.5	16.0	16.0	12.5	12.0	12.0	6.5	6.0	6.5	2.5	2.5	2.5
11	16.5	16.0	16.0	12.0	12.0	12.0	6.5	6.0	6.5	2.5	2.5	2.5
12	16.0	16.0	16.0	12.0	12.0	12.0	6.0	5.5	6.0	3.0	2.5	3.0
13	16.0	15.5	16.0	12.0	11.0	11.0	6.0	6.0	6.0	3.0	3.0	3.0
14	16.5	15.5	16.0	11.0	11.0	11.0	6.0	5.5	5.5	3.0	2.5	3.0
15	16.0	15.0	15.5	11.0	10.5	10.5	5.5	5.0	5.5	2.5	2.5	2.5
16	15.5	15.5	15.5	10.5	10.5	10.5	5.5	5.0	5.0	3.0	2.5	2.5
17	15.5	15.5	15.5	10.5	10.5	10.5	5.0	5.0	5.0	3.0	2.5	2.5
18	15.5	15.0	15.0	10.5	10.5	10.5	5.0	5.0	5.0	3.0	2.5	2.5
19	15.0	15.0	15.0	10.5	10.0	10.5	5.0	4.5	4.5	3.0	2.5	2.5
20	15.0	14.5	15.0	10.5	10.0	10.0	4.5	4.5	4.5	3.0	2.5	2.5
21	15.0	14.5	14.5	10.0	10.0	10.0	4.5	4.5	4.5	2.5	2.5	2.5
22	15.0	14.5	14.5	10.0	10.0	10.0	4.5	4.5	4.5	2.5	2.5	2.5
23	14.5	14.0	14.0	10.0	10.0	10.0	4.5	4.5	4.5	2.5	2.5	2.5
24	14.5	14.0	14.0	10.0	10.0	10.0	4.5	4.5	4.5	2.5	2.5	2.5
25	14.0	13.5	14.0	10.0	9.5	9.5	4.5	4.0	4.5	2.5	2.0	2.5
26	14.0	13.5	13.5	9.5	9.5	9.5	4.0	4.0	4.0	2.5	2.0	2.5
27	13.5	13.5	13.5	9.5	9.5	9.5	4.0	4.0	4.0	2.5	2.0	2.5
28	13.5	13.5	13.5	9.5	9.5	9.5	4.0	4.0	4.0	2.5	2.5	2.5
29	13.5	13.0	13.0	9.5	9.0	9.0	4.0	4.0	4.0	2.5	2.5	2.5
30	13.0	13.0	13.0	9.0	9.0	9.0	4.0	4.0	4.0	2.5	2.5	2.5
31	13.0	13.0	13.0	---	---	---	4.0	3.5	4.0	2.5	2.5	2.5
MONTH	18.0	13.0	15.2	13.5	9.0	11.1	9.0	3.5	5.6	4.0	2.0	2.9

LEHIGH RIVER BASIN

01449800 POHOPOCO CREEK BELOW BELTZVILLE LAKE NEAR PARRYVILLE, PA--Continued

CROSS-SECTION ANALYSES, OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Instan- taneous dis- charge, cfs (00061)	Sample loc- ation, cross section ft from rt bank (72103)	Sam- pling depth, feet (00003)	Temper- ature, water, deg C (00010)
JUN 2004					
28...	1530	78	0	--	--
28...	1531	--	20	1.10	13.4
28...	1532	--	35	1.60	13.1
28...	1533	--	50	2.10	13.2
28...	1534	--	70	--	--