

## 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 mi<sup>2</sup>.

## 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.**--Records good except those for estimated daily discharges, which are poor. 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 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	162	104	437	101	94	429	179	249	168	62	95
2	41	133	130	440	103	95	429	144	826	131	55	113
3	41	133	150	438	98	95	428	123	1150	150	55	123
4	41	133	150	442	120	95	341	123	1020	150	55	169
5	41	133	150	439	157	95	287	123	657	150	112	130
6	39	133	150	444	175	95	287	123	465	150	321	95
7	39	133	150	357	131	95	287	122	451	179	347	95
8	39	90	150	182	104	95	299	121	449	195	194	95
9	39	64	109	104	104	95	285	132	610	195	125	81
10	39	64	64	104	78	110	273	140	701	150	124	61
11	41	64	66	104	64	120	273	140	573	110	198	55
12	40	138	297	104	64	137	273	173	508	104	385	55
13	187	199	423	133	64	176	273	152	860	107	441	55
14	368	174	427	104	64	195	293	143	1140	132	236	55
15	368	160	428	104	64	195	306	119	1140	150	122	e460
16	373	160	427	104	64	195	270	106	1140	122	114	e1140
17	500	160	351	104	64	353	254	104	1120	107	568	902
18	393	320	306	104	116	644	224	104	1120	89	547	432
19	277	423	306	104	348	979	207	104	870	75	174	263
20	273	423	308	104	603	751	207	104	534	75	116	301
21	140	347	306	104	367	730	196	104	146	93	127	301
22	64	306	306	104	213	1010	191	104	832	239	133	301
23	64	306	380	104	214	989	191	104	1380	303	133	321
24	64	306	422	104	137	978	163	104	1350	185	133	1220
25	83	184	430	104	92	966	146	104	1330	104	112	1350
26	95	104	440	104	94	960	146	104	1250	104	95	1060
27	95	104	435	104	95	702	146	235	927	104	95	894
28	149	104	432	104	95	374	169	302	796	85	95	898
29	179	104	428	104	---	341	201	261	793	73	95	896
30	179	104	430	104	---	342	190	241	415	73	95	890
31	179	---	432	103	---	399	---	242	---	73	95	---
TOTAL	4511	5368	9087	5599	3993	12500	7664	4484	24802	4125	5559	12906
MEAN	146	179	293	181	143	403	255	145	827	133	179	430
MAX	500	423	440	444	603	1010	429	302	1380	303	568	1350
MIN	39	64	64	103	64	94	146	104	146	73	55	55

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2003, BY WATER YEAR (WY)

MEAN	107	129	197	176	187	260	268	211	165	109	86.7	98.0
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

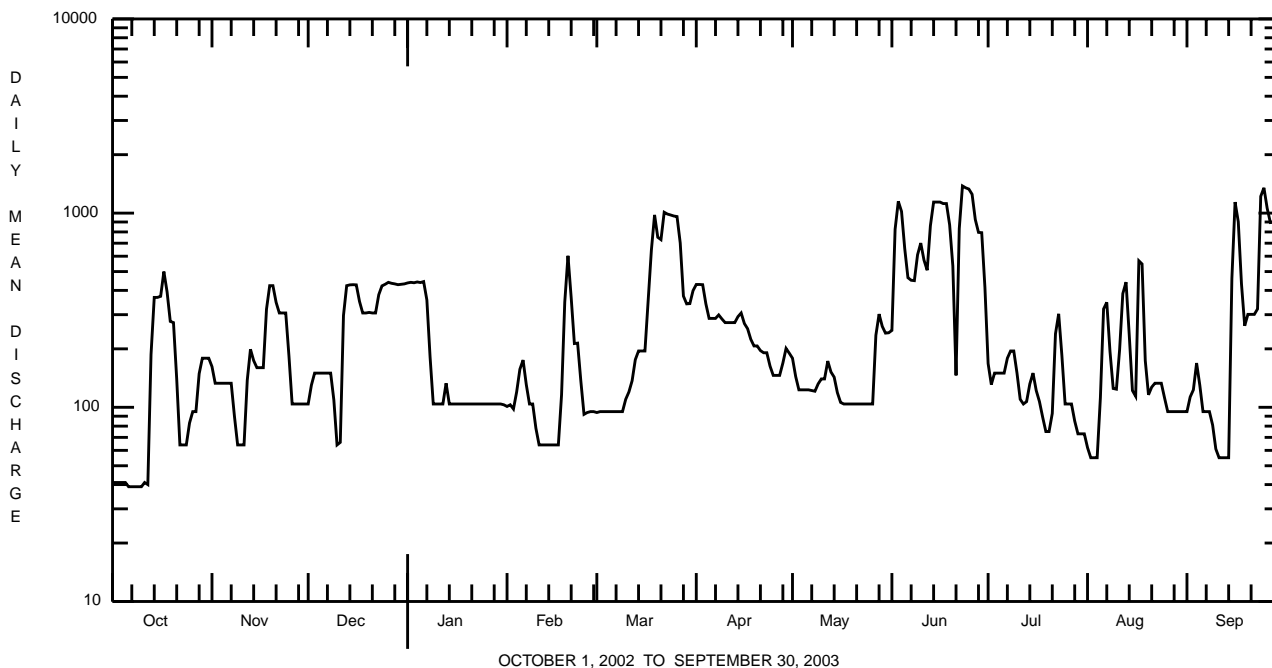
e Estimated.

LEHIGH RIVER BASIN

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1968 - 2003	
ANNUAL TOTAL	50922		100598			
ANNUAL MEAN	140		276		166	
HIGHEST ANNUAL MEAN					276	2003
LOWEST ANNUAL MEAN					60.2	1985
HIGHEST DAILY MEAN	596	May 21	1380	Jun 23	1470	Apr 15 1993
LOWEST DAILY MEAN	36	Jul 12-18 <sup>a</sup>	39	Oct 6-10	9.5	Oct 12 1993
ANNUAL SEVEN-DAY MINIMUM	36	Jul 12 <sup>b</sup>	39	Oct 6	11	Oct 7 1993
MAXIMUM PEAK FLOW			1740	Jun 22	1740	May 8 1973 <sup>c</sup>
MAXIMUM PEAK STAGE			5.99	Jun 22	5.99	Jun 22 2003
10 PERCENT EXCEEDS	368		701		372	
50 PERCENT EXCEEDS	90		150		104	
90 PERCENT EXCEEDS	38		70		36	

- a** Also Sept. 18-30.
- b** First occurrence.
- c** Also June 22, 2003.



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

## WATER-QUALITY RECORDS

## PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Water years 1969 to current year.

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, 19.5°C, Sept. 11, 12, 18, 19; minimum, 1.5°C, Feb. 17, 18.

## WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16.5	15.0	15.5	12.5	12.0	12.5	7.5	7.5	7.5	3.5	3.5	3.5
2	16.5	15.0	15.5	12.0	12.0	12.0	7.5	7.0	7.5	3.5	3.5	3.5
3	16.5	15.0	15.5	12.0	11.5	12.0	7.0	6.5	7.0	3.5	3.0	3.0
4	15.5	15.5	15.5	12.0	11.5	11.5	6.5	6.5	6.5	3.0	3.0	3.0
5	16.5	15.0	15.5	11.5	11.5	11.5	6.5	6.0	6.5	3.0	3.0	3.0
6	16.5	14.5	15.5	11.5	11.0	11.5	6.5	6.0	6.0	3.0	3.0	3.0
7	16.5	15.0	15.5	11.0	11.0	11.0	6.0	5.5	6.0	3.0	2.5	3.0
8	16.0	14.5	15.0	11.5	10.5	11.0	6.0	5.5	5.5	3.5	3.0	3.0
9	16.0	14.5	15.0	11.0	10.5	11.0	5.5	5.0	5.5	3.0	3.0	3.0
10	15.0	15.0	15.0	11.0	10.5	11.0	5.5	5.0	5.0	3.0	3.0	3.0
11	15.0	15.0	15.0	11.0	10.5	11.0	5.0	5.0	5.0	3.0	2.5	2.5
12	15.5	15.0	15.0	11.0	10.5	11.0	5.0	5.0	5.0	3.0	2.5	2.5
13	15.0	9.5	12.5	11.0	10.5	11.0	5.0	5.0	5.0	3.0	2.5	2.5
14	10.0	9.5	10.0	11.0	10.5	10.5	5.0	5.0	5.0	2.5	2.5	2.5
15	10.5	10.0	10.0	11.0	10.5	10.5	5.0	5.0	5.0	2.5	2.5	2.5
16	11.0	10.5	10.5	10.5	10.0	10.5	5.0	4.5	5.0	2.5	2.0	2.5
17	11.5	11.0	11.0	10.5	10.0	10.0	4.5	4.5	4.5	2.5	1.5	2.0
18	11.5	11.5	11.5	10.0	10.0	10.0	4.5	4.5	4.5	2.0	1.5	2.0
19	12.0	11.5	12.0	10.0	10.0	10.0	4.5	4.5	4.5	2.0	2.0	2.0
20	12.5	12.0	12.0	10.0	9.5	9.5	4.5	4.5	4.5	2.5	2.0	2.0
21	15.0	12.0	13.5	9.5	9.5	9.5	4.5	4.0	4.5	2.5	2.0	2.0
22	14.5	14.0	14.0	9.5	9.0	9.5	4.5	4.0	4.0	2.0	2.0	2.0
23	14.5	14.0	14.0	9.0	8.5	9.0	4.0	4.0	4.0	2.5	2.0	2.0
24	14.0	13.5	13.5	9.0	9.0	9.0	4.0	4.0	4.0	2.5	2.0	2.0
25	14.0	13.5	13.5	9.0	8.5	9.0	4.0	3.5	4.0	2.5	2.0	2.5
26	14.0	13.5	13.5	9.0	8.5	8.5	3.5	3.5	3.5	2.5	2.0	2.5
27	14.0	13.0	13.5	8.5	8.0	8.5	3.5	3.5	3.5	2.5	2.0	2.0
28	13.5	13.0	13.5	8.5	8.0	8.0	3.5	3.5	3.5	2.5	2.0	2.5
29	13.5	13.0	13.0	8.0	8.0	8.0	3.5	3.5	3.5	2.5	2.5	2.5
30	13.0	13.0	13.0	8.0	7.5	8.0	3.5	3.5	3.5	2.5	2.0	2.5
31	13.0	12.5	12.5	---	---	---	3.5	3.5	3.5	2.5	2.5	2.5
MONTH	16.5	9.5	13.6	12.5	7.5	10.2	7.5	3.5	4.9	3.5	1.5	2.5

