

## 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 fair. 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 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	28	22	61	89	61	211	446	170	72	38	38
2	43	22	22	61	81	61	245	480	170	55	38	38
3	37	22	22	61	81	64	164	473	169	51	38	38
4	38	22	22	61	88	139	120	428	125	51	38	38
5	38	22	22	61	92	160	120	428	98	51	38	38
6	38	22	22	61	92	140	120	354	127	51	38	38
7	38	22	22	61	92	90	120	311	407	51	38	38
8	38	22	22	61	80	61	120	311	510	51	38	38
9	38	22	22	61	73	61	120	311	507	51	38	38
10	38	22	22	61	73	61	154	251	246	51	38	38
11	38	22	22	61	73	80	146	218	98	42	38	38
12	38	22	22	61	73	122	113	219	98	36	38	38
13	38	48	22	61	73	140	104	278	98	36	38	38
14	38	94	22	50	73	114	104	387	98	36	38	38
15	64	120	22	43	73	88	405	375	98	36	38	38
16	82	120	22	43	73	81	435	262	98	36	38	38
17	83	120	22	43	73	81	247	219	181	36	38	38
18	54	120	23	43	73	107	187	219	228	36	38	36
19	38	89	23	43	73	120	187	219	180	38	38	36
20	38	53	47	43	73	122	187	509	153	38	38	36
21	38	44	61	43	73	138	187	596	120	38	38	36
22	38	70	61	43	73	150	187	433	89	38	38	36
23	38	70	61	43	73	150	134	433	89	38	38	36
24	38	70	61	43	73	150	100	312	90	38	e38	36
25	38	70	61	54	65	178	100	219	92	38	e38	36
26	38	47	61	61	61	196	160	219	92	38	e38	36
27	38	22	61	61	61	270	195	219	92	38	38	36
28	38	22	61	61	61	236	199	219	92	38	38	36
29	38	22	61	61	---	164	358	277	92	38	38	36
30	38	22	61	61	---	146	448	311	92	38	38	36
31	38	---	61	82	---	147	---	226	---	38	38	---
TOTAL	1339	1493	1138	1714	2111	3878	5677	10162	4799	1323	1178	1114
MEAN	43.19	49.77	36.71	55.29	75.39	125.1	189.2	327.8	160.0	42.68	38.00	37.13
MAX	83	120	61	82	92	270	448	596	510	72	38	38
MIN	37	22	22	43	61	61	100	218	89	36	38	36

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2002, BY WATER YEAR (WY)

MEAN	105.5	127.6	193.8	175.4	188.7	256.4	267.9	212.4	146.0	108.6	84.03	88.50
MAX	405	302	675	527	459	576	754	538	358	321	491	529
(WY)	1983	1971	1997	1979	1976	1977	1993	1990	1972	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

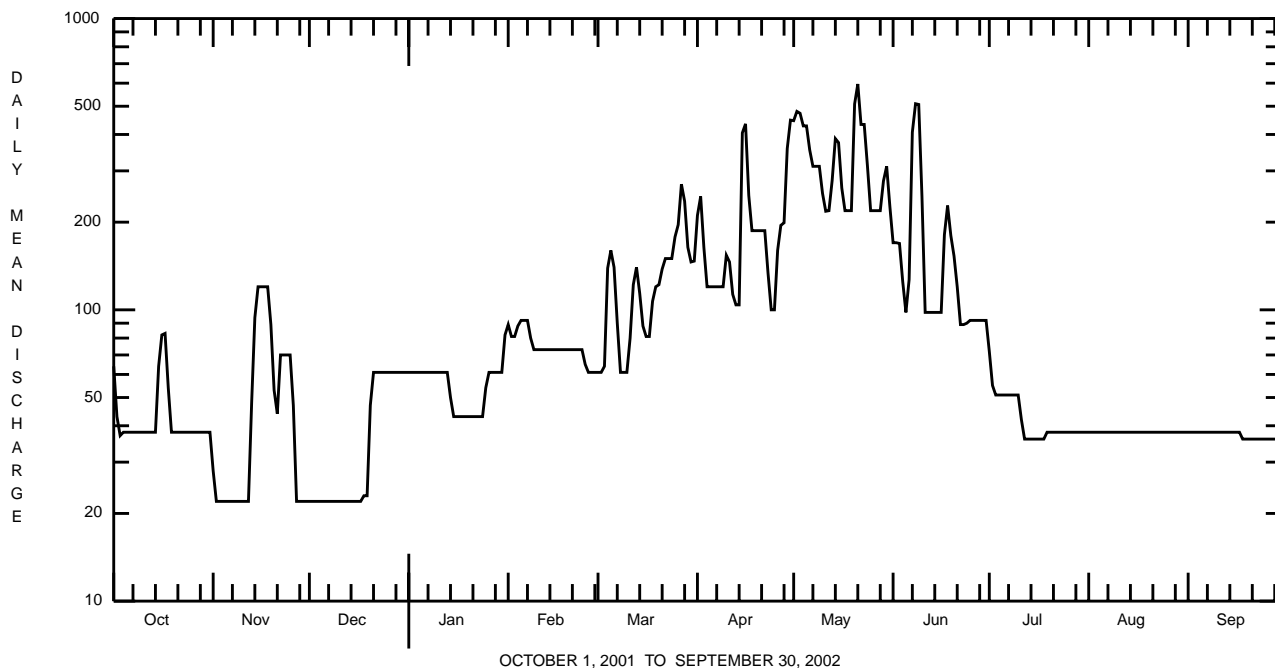
e Estimated.

LEHIGH RIVER BASIN

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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR			FOR 2002 WATER YEAR			WATER YEARS 1968 - 2002	
ANNUAL TOTAL	35184			35926				
ANNUAL MEAN	96.4			98.4			163	
HIGHEST ANNUAL MEAN							251	
LOWEST ANNUAL MEAN							60.2	
HIGHEST DAILY MEAN	523	Apr	3	596	May	21	1470	Apr 15 1993
LOWEST DAILY MEAN	22	Nov	2-12 <sup>a</sup>	22	Nov	2-12 <sup>a</sup>	9.5	Oct 12 1993
ANNUAL SEVEN-DAY MINIMUM	22	Nov	2 <sup>b</sup>	22	Nov	2 <sup>b</sup>	11	Oct 7 1993
MAXIMUM PEAK FLOW				754			1740	
MAXIMUM PEAK STAGE				4.28			5.64	
10 PERCENT EXCEEDS	232			219			360	
50 PERCENT EXCEEDS	64			61			102	
90 PERCENT EXCEEDS	34			36			36	

<sup>a</sup> Also Nov. 27-Dec. 17.  
<sup>b</sup> Also several other 7-day periods in Nov. and Dec. 2001.



## LEHIGH RIVER BASIN

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, 18.0°C, Aug. 31; minimum, 2.5°C, Jan. 19.

## WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	14.5	13.0	13.5	13.0	11.5	12.0	10.5	9.0	9.5	5.5	5.0	5.0
2	14.5	13.0	13.5	13.5	11.5	12.0	10.0	9.0	9.5	5.0	5.0	5.0
3	14.5	13.0	13.5	13.5	11.5	12.0	10.0	9.0	9.5	5.0	4.5	5.0
4	14.5	13.0	13.5	13.0	11.0	11.5	10.5	9.0	9.5	5.0	4.5	4.5
5	14.5	13.0	13.5	12.0	10.5	11.0	10.5	9.5	10.0	5.0	4.5	4.5
6	13.5	12.5	13.0	12.5	10.5	11.5	10.5	9.0	9.5	5.0	3.0	4.5
7	13.5	12.0	12.5	13.0	10.5	11.5	10.0	9.0	9.5	4.5	4.0	4.5
8	13.5	12.0	12.5	12.5	11.0	11.5	9.5	8.5	9.0	4.5	4.0	4.0
9	13.5	12.0	12.5	12.0	10.5	11.0	9.5	8.5	9.0	4.5	4.0	4.0
10	13.5	12.0	12.5	12.0	10.5	11.0	9.5	8.5	8.5	4.5	4.0	4.0
11	13.5	12.0	12.5	12.0	10.0	11.0	9.5	8.5	9.0	4.5	4.0	4.0
12	14.0	12.5	13.0	11.5	10.0	10.5	9.0	8.5	8.5	4.5	4.0	4.0
13	14.0	12.5	13.0	11.5	10.0	10.5	9.0	8.5	9.0	4.0	4.0	4.0
14	13.5	12.5	13.0	11.0	10.5	11.0	9.5	9.0	9.0	4.5	3.5	4.0
15	13.5	12.0	13.0	11.0	10.5	11.0	9.0	8.0	8.5	4.5	3.5	4.0
16	13.5	12.5	13.0	11.0	10.5	10.5	9.0	7.5	8.0	4.0	3.5	4.0
17	13.0	12.0	12.5	11.0	10.5	10.5	8.5	8.0	8.5	4.5	3.5	4.0
18	13.0	11.5	12.5	10.5	10.5	10.5	8.5	8.0	8.5	4.0	3.5	3.5
19	13.0	11.5	12.0	11.0	10.5	10.5	8.5	7.5	8.0	3.5	2.5	3.0
20	13.0	12.0	12.5	10.5	9.0	10.0	8.0	7.5	8.0	4.0	3.0	3.0
21	13.0	12.0	12.0	10.5	9.0	9.5	8.0	7.5	8.0	3.5	3.0	3.5
22	13.0	12.0	12.5	10.5	9.5	10.0	8.0	7.5	7.5	4.0	3.0	3.5
23	13.0	12.0	12.5	10.5	9.5	10.0	7.5	7.5	7.5	3.5	3.0	3.5
24	13.5	12.0	12.5	10.5	10.0	10.0	7.5	7.0	7.5	3.5	3.5	3.5
25	13.0	11.5	12.5	10.5	10.0	10.0	7.0	7.0	7.0	3.5	3.0	3.5
26	12.0	11.5	12.0	10.5	9.5	10.0	7.0	6.5	7.0	4.0	3.0	3.5
27	12.5	11.5	12.0	10.5	9.5	10.0	7.0	6.5	6.5	4.0	3.0	3.5
28	13.0	11.5	12.0	11.0	9.5	10.0	7.0	6.0	6.5	4.0	3.0	3.5
29	12.5	11.5	12.0	10.0	10.0	10.0	6.5	6.0	6.0	4.0	3.5	3.5
30	13.0	11.5	12.0	10.5	10.0	10.5	6.0	5.5	5.5	4.0	3.5	3.5
31	12.0	11.5	12.0	---	---	---	5.5	5.0	5.5	3.5	3.5	3.5
MONTH	14.5	11.5	12.6	13.5	9.0	10.7	10.5	5.0	8.2	5.5	2.5	3.9

