

## 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 sea level.

**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 1999 TO SEPTEMBER 2000  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	38	38	92	91	620	150	153	179	194	654	46
2	39	39	38	92	104	426	150	153	167	191	232	41
3	39	39	38	99	104	286	249	153	153	134	195	42
4	39	39	38	104	104	249	316	153	153	100	195	43
5	39	39	38	104	104	249	246	137	153	99	195	43
6	39	39	38	104	104	210	203	126	153	92	195	40
7	39	39	39	104	76	183	165	126	221	89	193	38
8	39	39	39	104	55	183	143	126	325	89	163	38
9	39	39	39	104	55	183	143	126	164	89	116	38
10	39	39	39	94	55	183	178	112	160	64	98	38
11	39	39	39	171	55	183	172	129	161	48	98	38
12	39	39	39	196	55	183	153	130	164	53	98	38
13	39	39	39	146	55	341	153	123	337	53	98	38
14	39	39	41	98	95	438	153	123	438	53	81	38
15	39	39	78	83	123	315	153	141	342	53	59	38
16	39	38	121	83	102	216	153	121	236	53	51	38
17	39	38	150	83	89	257	180	104	201	68	53	38
18	39	38	150	83	89	292	269	96	197	79	e53	38
19	39	38	150	83	89	289	215	132	195	81	e53	38
20	39	38	150	108	89	215	153	157	166	81	e53	38
21	39	38	217	124	89	171	176	157	151	69	e53	38
22	39	38	254	126	89	223	203	157	264	63	53	38
23	39	38	182	125	89	254	203	166	309	64	53	38
24	39	38	130	93	89	254	232	264	249	51	53	38
25	39	38	130	73	104	254	249	391	e250	40	53	38
26	39	38	130	73	113	254	249	351	e300	41	53	38
27	39	38	105	73	113	201	230	301	260	55	53	38
28	39	38	92	73	480	263	172	301	180	64	53	38
29	36	38	92	73	726	320	153	301	150	64	53	38
30	38	38	92	73	---	212	153	223	178	68	53	38
31	38	---	92	73	---	150	---	179	---	586	53	---
TOTAL	1204	1154	2857	3114	3585	8057	5717	5412	6556	2928	3516	1167
MEAN	38.8	38.5	92.2	100	124	260	191	175	219	94.5	113	38.9
MAX	39	39	254	196	726	620	316	391	438	586	654	46
MIN	36	38	38	73	55	150	143	96	150	40	51	38

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2000, BY WATER YEAR (WY)

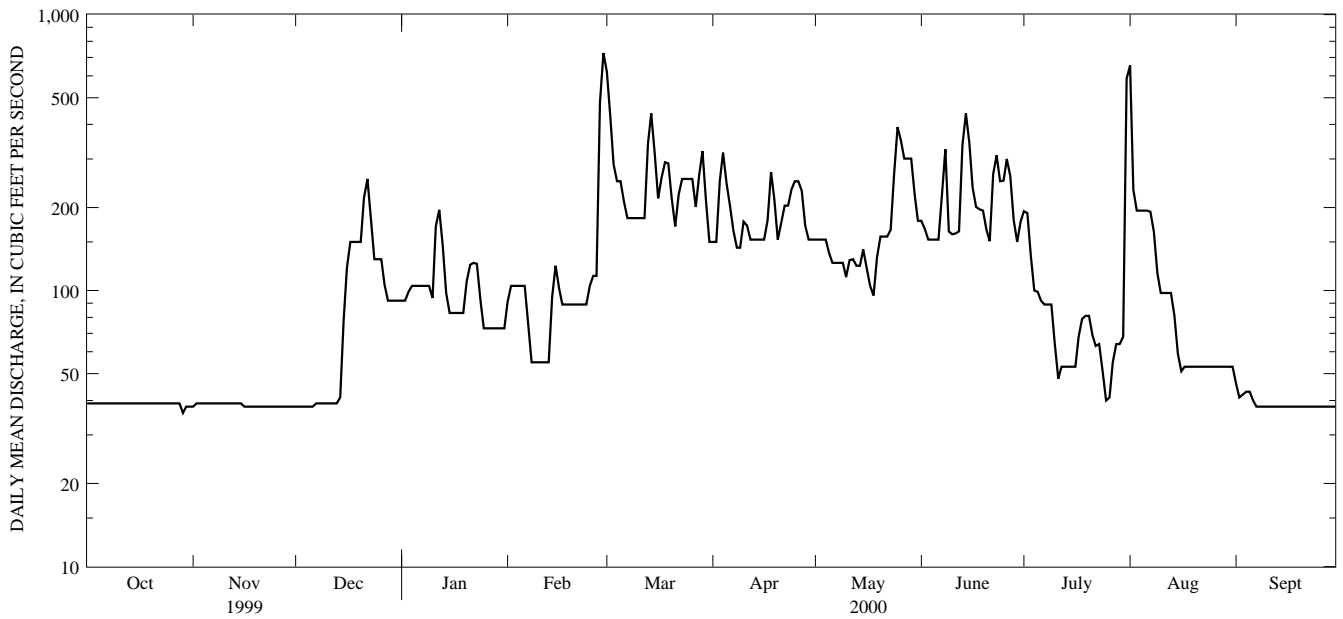
MEAN	109	133	201	182	195	260	271	212	147	113	86.6	91.0
MAX	405	302	675	527	459	576	754	538	358	321	491	529
(WY)	1983	1971	1997	1979	1976	1977	1993	1990	1972	1975	1969	1987
MIN	12.7	19.2	14.4	33.3	17.0	16.2	32.5	25.2	46.7	32.4	18.0	29.2
(WY)	1996	1992	1992	1981	1981	1981	1981	1971	1999	1985	1985	1970

e Estimated.

LEHIGH RIVER BASIN

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

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR			FOR 2000 WATER YEAR		WATER YEARS 1968 - 2000	
ANNUAL TOTAL	36093			45267			
ANNUAL MEAN	98.9			124		167	
HIGHEST ANNUAL MEAN						251	1978
LOWEST ANNUAL MEAN						60.2	1985
HIGHEST DAILY MEAN	1360	Jan 26		726	Feb 29	1470	Apr 15 1993
LOWEST DAILY MEAN	18	Jan 5-17, 19-23		36	Oct 29	9.5	Oct 12 1993
ANNUAL SEVEN-DAY MINIMUM	18	Jan 5		38	Nov 16	11	Oct 7 1993
INSTANTANEOUS PEAK FLOW				1080	Aug 1	1740	May 8 1973
INSTANTANEOUS PEAK STAGE				4.87	Aug 1	5.64	Jan 25 1999
10 PERCENT EXCEEDS	179			251		371	
50 PERCENT EXCEEDS	62			92		105	
90 PERCENT EXCEEDS	38			38		36	



1-YEAR HYDROGRAPH  
OCTOBER 1, 1999 TO SEPTEMBER 30, 2000

## 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.--Interruptions in the record were due to malfunctions of the recording instrument.

## 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, July 11; minimum, 1.0°C, Jan. 25, 30.

## WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.5	13.0	14.0	13.0	11.5	12.0	8.0	7.5	7.5	4.5	4.5	4.5
2	15.5	13.0	14.0	13.0	11.5	12.0	8.5	7.5	7.5	4.5	4.5	4.5
3	15.0	13.5	14.0	11.5	10.5	11.0	9.0	7.5	8.0	4.5	4.5	4.5
4	14.5	13.5	13.5	12.0	10.5	11.0	9.0	8.0	8.0	4.5	4.5	4.5
5	14.0	12.5	13.5	12.5	10.5	11.5	9.0	7.5	8.0	4.5	4.0	4.0
6	14.5	12.5	13.0	12.5	11.0	11.5	8.5	7.5	8.0	4.5	4.0	4.0
7	14.5	12.0	13.0	12.0	10.5	11.0	---	---	---	4.5	4.0	4.0
8	14.5	12.0	13.0	11.5	10.0	10.5	8.0	7.5	7.5	4.0	4.0	4.0
9	14.0	13.0	13.5	12.0	10.5	11.0	8.0	7.0	7.5	4.5	4.0	4.0
10	13.5	13.0	13.5	12.0	10.5	11.0	7.5	7.0	7.5	4.5	4.0	4.0
11	15.0	12.5	13.5	11.5	10.0	11.0	7.5	7.0	7.0	4.0	4.0	4.0
12	14.5	12.0	13.0	11.0	10.0	10.5	7.5	6.5	7.0	4.0	4.0	4.0
13	14.0	12.0	13.0	11.0	10.0	10.5	7.0	6.5	7.0	4.0	3.5	4.0
14	14.0	11.5	12.5	11.0	10.0	10.5	7.0	6.5	7.0	3.5	3.0	3.5
15	14.0	11.5	12.5	10.5	9.5	10.0	7.0	7.0	7.0	3.5	3.0	3.5
16	14.0	12.0	12.5	10.0	9.0	9.5	7.0	7.0	7.0	4.0	3.0	3.5
17	14.0	12.5	13.0	10.0	8.5	9.0	7.0	6.5	6.5	3.0	2.5	2.5
18	13.5	12.0	12.5	10.0	8.5	9.0	7.0	6.5	6.5	3.0	2.5	2.5
19	13.5	11.5	12.5	10.0	8.5	9.0	6.5	6.5	6.5	3.0	2.5	2.5
20	13.0	12.0	12.5	10.5	9.0	9.5	6.5	6.5	6.5	3.0	2.0	2.5
21	13.5	12.0	12.5	10.0	9.0	9.5	6.5	6.0	6.0	3.0	2.0	2.5
22	13.0	12.0	12.0	10.0	9.5	9.5	6.0	6.0	6.0	2.5	2.0	2.5
23	12.5	11.5	12.0	9.5	9.5	9.5	6.0	5.5	6.0	2.5	2.0	2.0
24	12.5	11.5	12.0	10.0	9.5	9.5	6.0	5.5	5.5	2.5	2.0	2.5
25	12.5	11.5	11.5	9.5	9.0	9.5	5.5	5.5	5.5	2.5	1.0	1.5
26	13.0	11.5	12.0	10.0	9.5	10.0	5.5	5.0	5.5	2.5	1.5	2.0
27	12.5	11.5	11.5	10.0	9.0	9.5	5.0	5.0	5.0	2.5	1.5	2.0
28	12.5	11.0	11.5	9.5	8.5	9.0	5.0	4.5	4.5	2.5	1.5	2.0
29	13.0	10.5	11.5	9.0	8.5	8.5	5.0	4.5	4.5	2.5	1.5	1.5
30	13.0	11.0	12.0	8.5	8.0	8.5	4.5	4.5	4.5	2.0	1.0	1.5
31	13.0	11.0	12.0	---	---	---	4.5	4.5	4.5	2.0	1.5	2.0
MONTH	15.5	10.5	12.7	13.0	8.0	10.1	9.0	4.5	6.5	4.5	1.0	3.1

