

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 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	34	39	89	64	159	428	130	122	51	36	36
2	38	34	39	89	64	183	487	130	92	51	36	36
3	38	34	39	76	64	183	523	130	92	51	81	36
4	38	34	39	64	64	183	460	115	186	51	135	36
5	38	34	39	64	82	183	352	104	245	51	133	36
6	38	34	39	64	95	183	263	104	245	51	96	79
7	38	34	39	64	95	186	263	89	166	51	36	77
8	38	34	39	64	95	154	263	76	120	51	36	34
9	38	34	39	64	95	130	263	73	120	e50	36	34
10	37	34	39	64	95	130	299	72	120	e50	36	34
11	36	34	39	64	95	130	325	71	120	e70	36	34
12	36	34	39	64	95	130	325	71	113	81	36	34
13	36	34	39	64	95	193	246	71	95	57	36	34
14	36	35	40	64	95	232	199	71	81	43	36	34
15	36	36	39	64	95	232	199	65	81	43	36	35
16	36	36	39	64	95	232	233	61	82	43	36	34
17	36	36	48	64	95	232	254	61	82	42	36	34
18	36	40	247	64	95	232	254	61	118	41	36	34
19	36	39	418	64	95	232	254	61	140	41	36	34
20	36	39	418	64	95	232	223	61	117	41	36	35
21	36	39	418	64	95	250	203	61	104	41	36	36
22	36	39	298	64	95	359	203	105	104	41	36	36
23	36	39	232	64	122	421	171	130	104	38	36	36
24	36	39	232	64	140	423	122	130	104	36	36	36
25	36	39	232	64	140	423	153	106	104	36	36	74
26	33	40	165	64	140	423	153	92	104	36	36	189
27	34	39	89	64	140	423	95	92	102	36	36	214
28	34	39	89	64	140	320	126	92	100	36	36	122
29	34	39	89	64	---	259	130	124	69	36	36	78
30	34	39	89	64	---	366	130	171	51	36	36	78
31	34	---	89	64	---	428	---	171	---	36	36	---
TOTAL	1122	1094	3778	2046	2775	7846	7599	2951	3483	1418	1417	1679
MEAN	36.2	36.5	122	66.0	99.1	253	253	95.2	116	45.7	45.7	56.0
MAX	38	40	418	89	140	428	523	171	245	81	135	214
MIN	33	34	39	64	64	130	95	61	51	36	36	34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2001, BY WATER YEAR (WY)

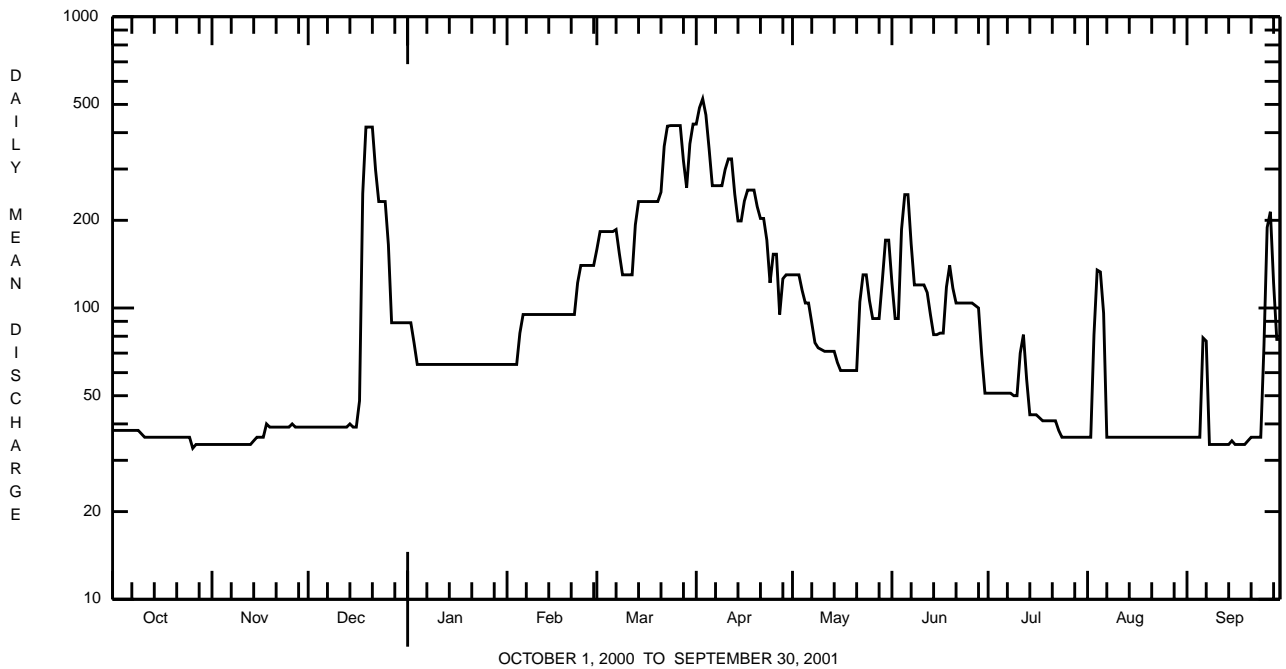
MEAN	107	130	198	179	192	260	270	209	146	111	85.4	90.0
MAX	405	302	675	527	459	576	754	538	358	321	491	529
(WY)	1983	1971	1997	1979	1976	1977	1993	1990	1972	1975	1969	1987
MIN	12.7	19.2	14.4	33.3	17.0	16.2	32.5	25.2	46.7	32.4	18.0	29.2
(WY)	1996	1992	1992	1981	1981	1981	1981	1971	1999	1985	1985	1970

e Estimated.

LEHIGH RIVER BASIN

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

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR			FOR 2001 WATER YEAR		WATER YEARS 1968 - 2001	
ANNUAL TOTAL	46046			37208			
ANNUAL MEAN	126			102		165	
HIGHEST ANNUAL MEAN						251	1978
LOWEST ANNUAL MEAN						60.2	1985
HIGHEST DAILY MEAN	726	Feb 29		523	Apr 3	1470	Apr 15 1993
LOWEST DAILY MEAN	33	Oct 26		33	Oct 26	9.5	Oct 12 1993
ANNUAL SEVEN-DAY MINIMUM	34	Oct 26		34	Oct 26	11	Oct 7 1993
MAXIMUM PEAK FLOW				523	Apr 2	1740	May 8 1973
MAXIMUM PEAK STAGE				3.86	Apr 2	5.64	Jan 25 1999
10 PERCENT EXCEEDS	254			232		367	
50 PERCENT EXCEEDS	92			64		104	
90 PERCENT EXCEEDS	36			36		36	



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 maintenance at gage.

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, 17.5°C, Oct. 2-4; minimum, 1.5°C, Jan. 20, 21.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	17.0	15.5	16.0	14.0	13.0	13.5	8.0	7.0	7.5	3.0	2.5	2.5
2	17.5	15.5	16.0	14.0	12.5	13.0	7.5	7.0	7.0	2.5	2.5	2.5
3	17.5	15.5	16.0	14.0	12.5	13.0	7.0	6.5	6.5	3.0	2.5	2.5
4	17.5	15.5	16.0	13.5	12.5	13.0	7.0	6.5	6.5	2.5	2.5	2.5
5	16.0	16.0	16.0	13.0	12.5	12.5	7.0	6.5	6.5	2.5	2.5	2.5
6	17.0	16.0	16.0	13.0	12.0	12.5	7.0	6.0	6.5	3.0	2.5	2.5
7	16.5	15.5	15.5	13.0	12.0	12.5	6.5	6.0	6.5	3.0	2.5	2.5
8	16.0	15.0	15.5	13.0	12.0	12.5	6.5	6.0	6.0	3.0	2.5	2.5
9	16.0	14.5	15.0	13.0	12.5	12.5	6.0	5.5	6.0	3.0	2.5	2.5
10	15.5	15.0	15.0	13.0	12.0	12.5	6.0	5.0	5.5	3.0	2.0	2.5
11	16.0	14.5	15.0	12.5	12.0	12.0	6.5	5.5	6.0	3.0	2.0	2.5
12	16.5	15.0	15.5	12.5	12.0	12.0	6.0	5.0	5.5	3.0	2.0	2.5
13	16.5	14.5	15.0	12.5	12.0	12.0	5.5	5.0	5.0	3.0	2.0	2.5
14	16.0	14.5	15.0	12.0	11.5	12.0	5.5	4.0	5.0	3.0	2.5	2.5
15	16.5	15.0	15.5	11.5	11.0	11.5	5.5	5.0	5.0	2.5	2.5	2.5
16	15.5	15.0	15.5	11.5	9.0	10.0	5.0	5.0	5.0	3.0	2.5	2.5
17	15.5	15.0	15.0	9.5	8.5	9.0	6.5	4.5	5.5	2.5	2.5	2.5
18	15.5	15.0	15.0	9.5	9.0	9.5	5.0	4.5	5.0	2.5	2.5	2.5
19	15.5	14.5	15.0	10.0	9.0	9.5	5.0	4.5	5.0	2.5	2.5	2.5
20	16.0	14.5	15.0	10.0	9.0	9.5	5.0	4.5	4.5	2.5	1.5	2.5
21	16.0	14.5	15.0	10.0	9.0	9.5	4.5	4.5	4.5	2.5	1.5	2.0
22	15.5	14.5	15.0	9.5	9.0	9.0	4.5	4.0	4.5	2.5	2.0	2.0
23	15.5	14.0	14.5	9.5	8.5	9.0	4.0	4.0	4.0	2.5	2.0	2.0
24	15.0	14.0	14.5	9.0	8.0	8.5	4.0	4.0	4.0	2.5	2.0	2.5
25	15.5	14.5	14.5	8.5	8.0	8.0	4.0	3.5	3.5	2.5	2.0	2.5
26	16.0	14.5	14.5	8.5	8.0	8.5	3.5	3.0	3.5	2.5	2.0	2.5
27	15.5	14.0	14.5	8.5	8.0	8.0	3.5	3.0	3.0	2.5	2.0	2.5
28	15.0	14.0	14.5	8.0	7.5	8.0	3.5	3.0	3.0	3.0	2.0	2.5
29	14.5	13.5	14.0	8.0	7.5	7.5	3.0	2.5	3.0	3.0	2.0	2.5
30	14.5	13.5	13.5	8.0	7.5	7.5	3.0	2.5	3.0	3.0	2.5	2.5
31	14.0	13.0	13.5	---	---	---	3.0	2.5	3.0	3.0	2.5	2.5
MONTH	17.5	13.0	15.0	14.0	7.5	10.6	8.0	2.5	5.0	3.0	1.5	2.5

