

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.--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 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	41	39	71	194	168	157	68	57	90	38	39
2	174	41	39	71	185	161	157	68	57	87	38	39
3	223	41	39	74	351	143	157	68	57	130	61	62
4	223	41	39	49	433	167	157	68	57	130	110	86
5	180	41	39	18	345	179	157	68	57	130	130	86
6	133	41	39	18	291	179	139	83	57	149	130	86
7	133	41	39	18	287	179	117	95	46	171	130	56
8	88	41	39	18	289	165	110	97	38	154	130	39
9	41	41	39	18	204	157	110	98	38	113	151	39
10	41	41	39	18	157	157	110	96	38	89	160	39
11	41	41	39	18	157	157	110	95	38	89	156	39
12	41	41	39	18	195	141	99	95	38	130	179	39
13	41	41	39	18	215	130	143	84	38	250	139	39
14	41	41	30	18	215	130	150	74	38	279	92	39
15	41	41	18	18	215	130	125	66	38	183	92	39
16	41	41	76	18	158	130	110	66	38	133	63	45
17	41	41	63	18	123	130	110	53	38	133	39	43
18	41	41	14	19	153	130	110	45	38	133	39	41
19	41	41	14	18	178	130	110	76	38	111	39	39
20	41	41	14	18	157	130	110	120	38	89	39	39
21	41	41	14	18	157	130	118	92	37	89	39	39
22	41	41	14	18	157	254	123	75	38	65	39	39
23	41	41	14	18	130	443	115	75	38	39	39	39
24	41	41	14	21	119	443	109	75	38	39	39	39
25	41	41	14	830	130	298	107	75	38	39	39	39
26	41	41	14	1360	130	229	105	64	38	39	39	39
27	41	41	14	1000	130	245	104	57	38	62	39	36
28	41	41	14	369	130	245	100	57	59	86	39	38
29	41	41	14	311	---	189	85	57	89	65	39	38
30	41	37	14	292	---	157	72	57	107	38	39	40
31	41	---	44	292	---	157	---	57	---	38	39	---
TOTAL	2181	1226	920	5083	5585	5783	3586	2324	1402	3372	2384	1359
MEAN	70.4	40.9	29.7	164	199	187	120	75.0	46.7	109	76.9	45.3
MAX	223	41	76	1360	433	443	157	120	107	279	179	86
MIN	41	37	14	18	119	130	72	45	37	38	38	36

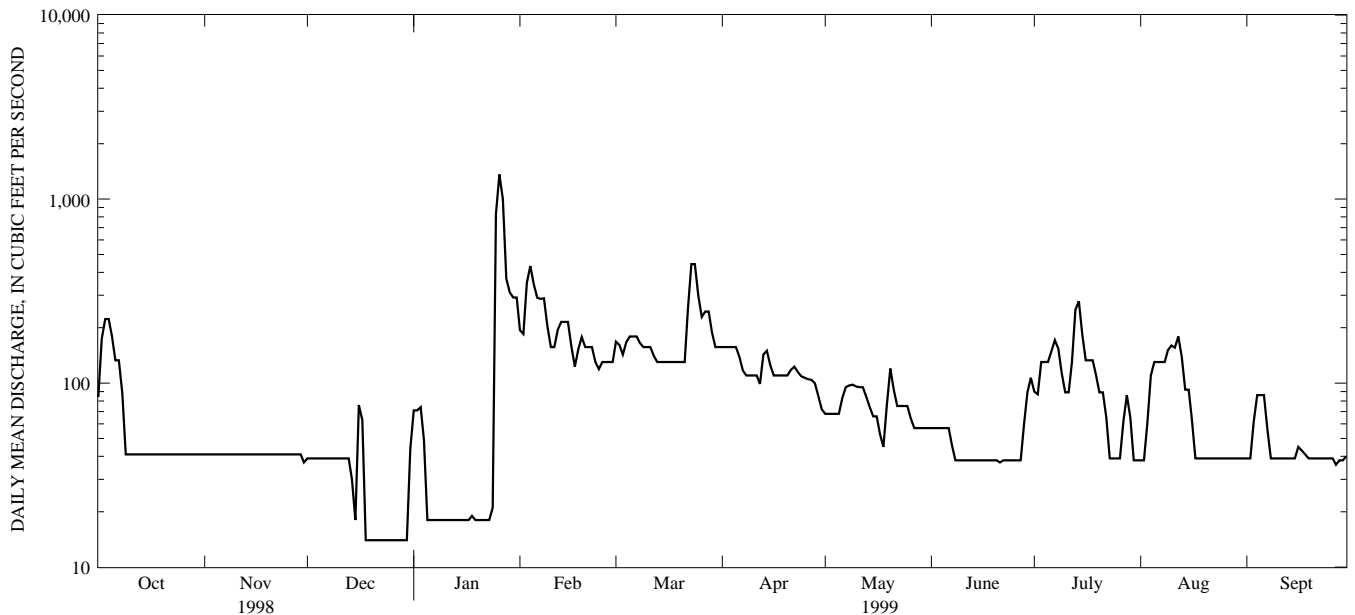
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1999, BY WATER YEAR (WY)

MEAN	112	136	204	185	197	260	273	214	144	113	85.7	92.7
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

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SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1968 - 1999	
ANNUAL TOTAL	64558		35205			
ANNUAL MEAN	177		96.5		168	
HIGHEST ANNUAL MEAN					251	1978
LOWEST ANNUAL MEAN					60.2	1985
HIGHEST DAILY MEAN	1100	Mar 12	1360	Jan 26	1470	Apr 15 1993
LOWEST DAILY MEAN	14	Dec 18-30	14	Dec 18-30	9.5	Oct 12 1993
ANNUAL SEVEN-DAY MINIMUM	14	Dec 18	14	Dec 18	11	Oct 7 1993
INSTANTANEOUS PEAK FLOW			1520	Jan 25	1740	May 8 1973
INSTANTANEOUS PEAK STAGE			5.64	Jan 25	5.64	Jan 25 1999
10 PERCENT EXCEEDS	394		179		377	
50 PERCENT EXCEEDS	120		57		106	
90 PERCENT EXCEEDS	34		37		36	



1-YEAR HYDROGRAPH
OCTOBER 1, 1998 TO SEPTEMBER 30, 1999

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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, Aug. 28, 29, 31; minimum, 0.0°C, Jan. 15.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	16.5	16.0	16.5	13.5	13.0	13.0	9.0	8.5	8.5	5.0	4.5	4.5
2	16.5	16.0	16.5	13.5	12.5	13.0	9.0	8.0	8.5	4.5	4.0	4.0
3	16.5	16.5	16.5	13.0	12.0	12.5	9.0	8.5	8.5	4.5	3.5	4.0
4	16.5	16.0	16.0	13.0	12.0	12.0	9.0	8.5	8.5	4.0	2.5	3.5
5	16.5	16.0	16.0	12.5	11.5	12.0	9.0	8.5	9.0	3.5	2.5	2.5
6	16.5	16.0	16.0	12.5	11.5	12.0	9.5	8.5	9.0	3.5	2.5	3.0
7	16.0	16.0	16.0	12.0	11.5	11.5	9.5	8.5	9.0	3.0	2.0	2.5
8	16.0	16.0	16.0	12.0	11.5	11.5	9.0	8.5	9.0	2.5	2.0	2.5
9	16.0	15.5	16.0	12.0	11.0	11.5	8.5	8.0	8.5	2.5	2.0	2.5
10	16.0	15.5	15.5	11.5	11.0	11.0	8.5	8.0	8.0	3.0	2.0	2.5
11	16.5	15.5	15.5	11.5	10.5	11.0	8.5	8.0	8.0	2.5	2.0	2.0
12	16.0	15.0	15.5	11.0	10.5	10.5	8.5	7.5	8.0	3.0	2.0	2.5
13	16.0	15.5	15.5	11.0	10.5	10.5	8.0	7.5	8.0	3.0	1.5	2.5
14	16.0	15.0	15.5	11.0	10.0	10.5	7.5	7.0	7.5	1.5	.5	.5
15	16.0	15.0	15.0	11.0	10.0	10.5	8.0	6.5	7.0	2.0	.0	1.0
16	16.0	14.5	15.0	11.0	10.0	10.0	7.5	6.5	7.0	2.5	1.0	1.5
17	16.0	15.0	15.0	10.5	10.0	10.5	7.5	6.5	7.0	2.5	1.5	1.5
18	16.0	15.0	15.0	10.5	9.5	10.0	7.0	6.0	6.5	2.0	1.5	1.5
19	15.5	15.0	15.0	10.5	9.5	10.0	7.5	6.0	6.5	3.0	1.5	2.0
20	15.0	14.5	15.0	10.0	9.5	10.0	8.0	6.5	7.0	3.0	1.5	2.0
21	15.0	14.5	14.5	10.0	9.5	9.5	7.5	7.0	7.0	2.5	1.5	2.0
22	15.0	14.0	14.5	10.0	9.0	9.5	7.5	5.0	6.5	2.5	2.0	2.0
23	15.0	14.0	14.0	9.5	9.0	9.0	---	---	---	2.5	2.0	2.5
24	15.0	14.0	14.0	9.5	9.0	9.0	---	---	---	3.0	2.0	2.5
25	15.0	13.5	14.0	9.5	8.5	9.0	6.0	4.5	5.0	2.5	2.0	2.0
26	15.0	14.0	14.5	9.5	9.0	9.0	5.5	4.5	5.0	2.5	2.5	2.5
27	14.5	14.0	14.0	9.0	8.5	9.0	6.0	4.5	5.0	2.5	2.5	2.5
28	14.0	14.0	14.0	9.5	8.5	8.5	6.0	5.0	5.5	2.5	2.5	2.5
29	14.5	13.5	14.0	9.0	8.5	9.0	5.0	4.5	5.0	2.5	2.5	2.5
30	14.0	13.0	13.5	10.0	8.5	9.0	5.0	3.5	4.5	2.5	2.5	2.5
31	14.0	13.0	13.5	---	---	---	5.0	4.0	4.5	2.5	2.5	2.5
MONTH	16.5	13.0	15.1	13.5	8.5	10.5	9.5	3.5	7.1	5.0	.0	2.4

