

## LEHIGH RIVER BASIN

## 01449360 POHOPOCO CREEK AT KRESGEVILLE, PA

**LOCATION.**--Lat 40°53'51", long 75°30'10", Monroe County, Hydrologic Unit 02040106, on right bank 20 ft downstream from bridge on U.S. Highway 209 at Kresgeville, 0.2 mi downstream from Middle Creek, and 13 mi upstream from mouth.

**DRAINAGE AREA.**--49.9 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

**PERIOD OF RECORD.**--October 1966 to current year.

**GAGE.**--Water-stage recorder. Datum of gage is 659.72 ft above sea level.

**REMARKS.**--Records fair except those for estimated daily discharges, which are poor. Satellite and landline telemetry at station.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than base discharge of 500 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)	Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)
Jan. 18	1930	Unknown	a5.68	Jan. 24	Unknown	*1,060	b*7.05

a Ice jam.

b From crest-stage gage.

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	18	26	22	e15	130	116	104	64	46	26	12	13
2	16	26	21	e16	251	96	101	63	46	26	11	12
3	17	26	21	e45	269	89	96	63	45	25	11	12
4	20	25	20	e40	215	136	95	65	44	23	11	12
5	19	25	20	e35	191	114	89	64	43	22	11	13
6	18	24	20	e33	170	115	85	61	41	21	11	15
7	19	24	19	e30	157	116	84	61	41	19	9.9	18
8	67	25	20	e28	149	104	80	69	39	18	11	18
9	58	24	21	e33	136	101	87	62	37	19	12	15
10	117	25	20	e43	131	101	100	57	37	22	11	15
11	58	36	19	e47	124	97	83	53	37	19	11	14
12	45	31	19	e49	124	91	84	51	35	19	11	13
13	39	26	18	e49	135	88	77	49	36	20	11	13
14	74	25	18	e47	115	87	73	48	39	18	25	12
15	54	24	18	e45	107	96	70	47	42	18	24	13
16	43	23	18	e44	106	92	78	46	35	18	16	166
17	39	23	18	e44	105	95	85	45	36	17	14	249
18	37	22	18	e190	126	94	75	46	39	18	14	79
19	37	22	17	360	115	86	71	77	34	17	14	53
20	34	22	17	197	104	81	76	69	32	17	14	43
21	33	23	17	147	99	88	74	53	32	16	16	47
22	33	22	18	156	93	279	73	49	31	19	15	49
23	32	21	17	217	89	234	76	65	30	18	14	40
24	31	21	16	e800	86	201	80	74	30	16	14	35
25	30	21	15	577	84	175	71	68	29	15	13	33
26	29	47	15	343	83	155	70	58	28	15	21	29
27	29	40	15	257	81	143	69	56	27	14	19	28
28	29	30	16	218	98	139	67	53	27	13	16	27
29	30	26	17	190	---	128	67	52	31	12	15	28
30	27	23	e16	162	---	117	65	50	27	12	13	86
31	26	---	e14	142	---	108	---	48	---	12	13	---
TOTAL	1158	778	560	4599	3673	3762	2405	1786	1076	564	433.9	1200
MEAN	37.4	25.9	18.1	148	131	121	80.2	57.6	35.9	18.2	14.0	40.0
MAX	117	47	22	800	269	279	104	77	46	26	25	249
MIN	16	21	14	15	81	81	65	45	27	12	9.9	12
CFSM	.75	.52	.36	2.97	2.63	2.43	1.61	1.15	.72	.36	.28	.80
IN.	.86	.58	.42	3.43	2.74	2.80	1.79	1.33	.80	.42	.32	.89

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1999, BY WATER YEAR (WY)

	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
MEAN	64.8	95.0	129	118	120	159	161	127	93.6	66.2	51.2	54.0																					
MAX	181	203	354	323	191	330	369	270	248	165	193	264																					
(WY)	1977	1973	1997	1979	1998	1977	1983	1989	1972	1969	1969	1987																					
MIN	18.9	24.7	18.1	13.9	45.0	60.2	47.9	56.9	35.9	18.2	14.0	15.5																					
(WY)	1981	1981	1999	1981	1980	1985	1985	1995	1999	1999	1999	1980																					

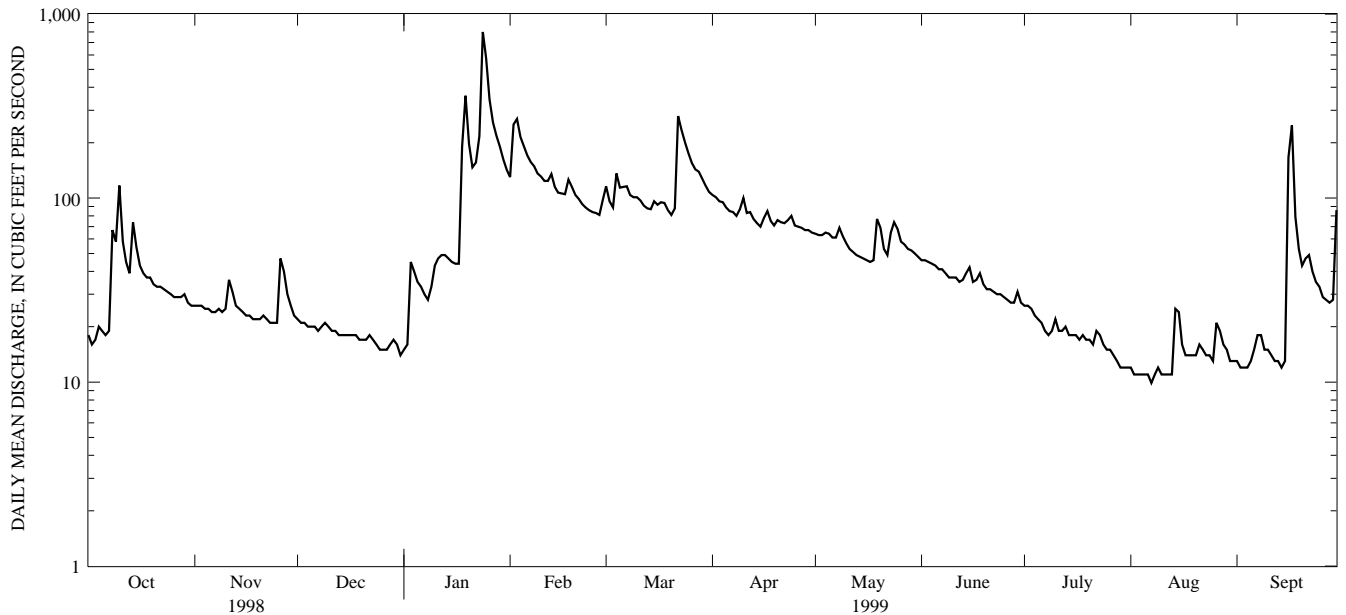
e Estimated.

LEHIGH RIVER BASIN

01449360 POHOPOCO CREEK AT KRESGEVILLE, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1967 - 1999	
ANNUAL TOTAL	35919		21994.9		103	
ANNUAL MEAN	98.4		60.3		149	
HIGHEST ANNUAL MEAN					1978	
LOWEST ANNUAL MEAN					1985	
HIGHEST DAILY MEAN	<b>e</b> 500	Mar 10	<b>e</b> 800	Jan 24	1550	Apr 16 1983
LOWEST DAILY MEAN	<b>e</b> 14	Dec 31	9.9	Aug 7	9.9	Aug 7 1999
ANNUAL SEVEN-DAY MINIMUM	<b>c</b> 15	Dec 25	11	Aug 2	11	Aug 2 1999
INSTANTANEOUS PEAK FLOW			1060	Jan 24	<b>d</b> 2080	Jul 29 1969
INSTANTANEOUS PEAK STAGE			<b>b</b> 7.05	Jan 24	9.21	Jul 29 1969
ANNUAL RUNOFF (CFSM)	1.97		1.21		2.07	
ANNUAL RUNOFF (INCHES)	26.78		16.40		28.08	
10 PERCENT EXCEEDS	213		127		203	
50 PERCENT EXCEEDS	64		36		75	
90 PERCENT EXCEEDS	19		14		28	

- b** From crest-stage gage.
- c** Computed using estimated daily discharges.
- d** From rating curve extended above 800 ft<sup>3</sup>/s.
- e** Estimated.



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

## LEHIGH RIVER BASIN

01449360 POHOPOCO CREEK AT KRESGEVILLE, 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, 31.5°C, July 25, 1970; minimum, 0.0°C, many days during winters.

## EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 25.5°C, July 6; minimum, 0.0°C, many days during winter.

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

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	15.5	13.0	14.5	9.0	7.5	8.5	8.0	6.5	7.5	.5	.0	.0
2	13.0	10.5	11.5	9.0	7.5	8.5	7.0	5.0	6.0	.5	.0	.0
3	11.0	9.5	10.5	7.5	6.0	7.0	8.0	5.5	6.5	.0	.0	.0
4	11.0	10.5	10.5	6.5	5.0	5.5	10.0	7.0	8.5	.0	.0	.0
5	13.0	10.5	11.5	6.0	4.5	5.5	10.0	8.5	9.5	.0	.0	.0
6	12.5	10.0	11.5	6.0	4.0	5.0	10.5	9.0	10.0	.0	.0	.0
7	12.5	11.5	12.0	6.0	3.5	5.0	10.5	9.0	10.0	.0	.0	.0
8	14.0	12.5	13.0	7.0	5.5	6.0	9.5	8.0	9.0	.0	.0	.0
9	14.0	13.5	14.0	7.5	6.0	6.5	8.0	5.0	6.5	.0	.0	.0
10	14.0	13.5	13.5	7.0	5.0	5.5	5.0	3.5	4.5	.0	.0	.0
11	14.0	13.5	13.5	9.5	7.0	8.5	5.0	3.5	4.0	.0	.0	.0
12	14.0	13.0	13.5	8.0	6.0	7.0	4.0	2.5	3.5	.5	.0	.5
13	14.5	13.5	14.0	7.0	5.5	6.0	4.0	2.5	3.5	1.0	.5	1.0
14	14.0	13.0	13.5	7.5	5.5	6.5	4.0	2.5	3.0	1.0	.0	.0
15	13.0	11.5	12.0	8.0	6.5	7.0	3.0	1.5	2.5	.0	.0	.0
16	12.0	10.0	11.0	7.5	5.5	6.5	3.5	2.0	2.5	.0	.0	.0
17	12.0	9.5	11.0	8.0	7.0	7.5	4.5	3.5	4.0	1.0	.0	.5
18	13.5	10.5	12.0	7.5	5.5	6.5	4.0	2.5	3.0	1.0	.0	.5
19	14.5	13.0	13.5	6.0	4.5	5.5	3.5	2.0	2.5	1.5	.0	.5
20	13.0	11.0	12.0	8.0	6.0	7.0	5.5	3.0	4.5	3.0	1.5	2.5
21	11.0	9.5	10.5	7.5	6.0	6.5	7.0	5.5	6.0	3.5	2.0	2.5
22	9.5	8.0	8.5	6.0	5.0	5.5	8.0	3.5	6.5	4.0	3.5	3.5
23	9.5	7.0	8.5	6.0	3.5	5.0	---	---	---	4.0	3.5	3.5
24	10.5	8.0	9.0	7.0	5.5	6.0	---	---	---	4.5	2.0	3.0
25	11.0	8.5	9.5	6.5	5.0	5.5	.5	.0	.5	4.5	3.5	4.0
26	12.0	9.5	10.5	7.0	5.0	6.0	.5	.0	.5	4.5	3.5	4.0
27	12.0	11.0	11.5	7.0	5.0	6.5	.5	.0	.5	4.5	2.5	3.5
28	12.0	11.5	11.5	6.0	4.0	5.0	1.5	.5	1.0	6.0	4.0	5.0
29	11.5	9.5	11.0	7.5	5.0	6.0	1.5	1.5	1.5	5.0	3.5	4.5
30	9.5	8.0	8.5	8.5	7.0	7.5	1.5	.0	1.0	4.0	2.5	3.0
31	9.0	7.5	8.0	---	---	---	.5	.0	.0	3.0	1.0	2.0
MONTH	15.5	7.0	11.5	9.5	3.5	6.3	10.5	.0	4.4	6.0	.0	1.4

