

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 mi².

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 good 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 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
June 12	1900	*589	*5.68	No other peak greater than base discharge.			

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	58	41	81	69	e47	259	127	104	111	86	108	34
2	46	60	76	68	e45	221	122	104	106	80	102	34
3	42	103	73	67	e44	193	119	96	103	76	103	33
4	63	66	71	70	e42	169	157	92	93	76	109	42
5	74	60	67	70	e40	153	134	89	91	70	75	33
6	e58	59	83	61	e39	139	119	85	164	66	70	30
7	e53	57	77	59	e38	128	113	82	134	64	73	30
8	49	54	67	57	e37	122	113	79	102	61	60	30
9	51	53	62	56	e36	117	147	76	93	59	56	29
10	72	52	62	94	e36	112	127	93	87	57	53	28
11	70	51	63	125	e35	134	117	105	83	54	49	28
12	57	48	58	87	e35	250	117	80	196	51	49	28
13	54	48	58	82	e38	191	112	83	315	50	48	59
14	68	47	85	74	71	172	109	111	197	50	46	38
15	57	46	119	e72	73	158	109	81	167	57	47	49
16	53	45	101	e70	62	148	107	77	148	58	45	38
17	53	43	97	e64	61	210	107	75	130	50	43	33
18	52	42	93	e62	60	164	137	79	125	46	43	31
19	49	41	88	e64	59	153	113	124	117	45	43	33
20	59	41	101	e64	54	148	102	114	105	45	40	36
21	55	41	131	e62	52	145	146	107	118	42	38	31
22	50	39	105	e60	52	185	185	107	252	41	38	29
23	56	38	99	e60	55	147	171	121	150	39	40	27
24	51	40	97	e58	68	137	161	219	129	39	42	28
25	47	43	90	e56	98	131	148	226	123	38	37	27
26	46	68	88	e52	137	125	139	192	132	37	35	28
27	45	179	85	e49	156	121	133	169	116	52	35	29
28	44	113	81	e52	365	203	126	154	107	42	35	26
29	43	96	77	e48	325	152	118	140	100	39	36	25
30	43	88	75	e46	---	140	111	127	94	95	34	24
31	42	---	72	e48	---	134	---	119	---	94	34	---
TOTAL	1660	1802	2582	2026	2260	4961	3846	3510	3988	1759	1666	970
MEAN	53.5	60.1	83.3	65.4	77.9	160	128	113	133	56.7	53.7	32.3
MAX	74	179	131	125	365	259	185	226	315	95	109	59
MIN	42	38	58	46	35	112	102	75	83	37	34	24
CFSM	1.07	1.20	1.67	1.31	1.56	3.21	2.57	2.27	2.66	1.14	1.08	.65
IN.	1.24	1.34	1.92	1.51	1.68	3.70	2.87	2.62	2.97	1.31	1.24	.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2000, BY WATER YEAR (WY)

MEAN	64.5	94.0	128	117	119	159	160	126	94.8	65.9	51.3	53.4
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

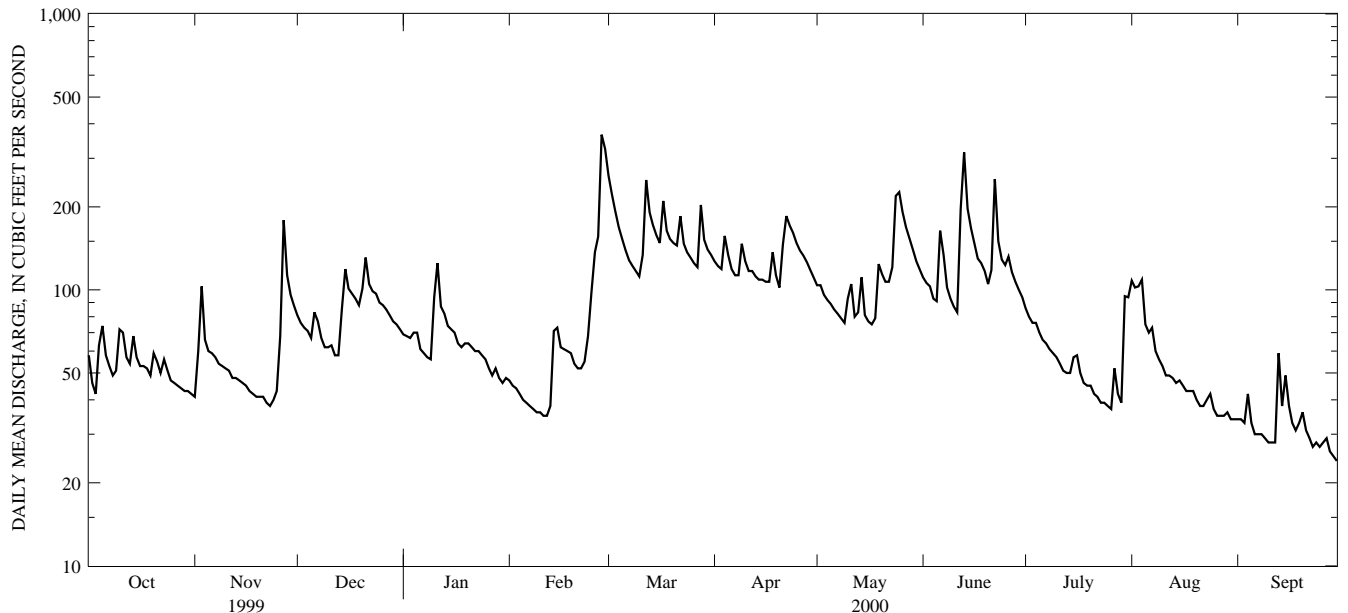
e Estimated.

LEHIGH RIVER BASIN

01449360 POHOPOCO CREEK AT KRESGEVILLE, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1967 - 2000	
ANNUAL TOTAL	25542.9		31030			
ANNUAL MEAN	70.0		84.8		103	
HIGHEST ANNUAL MEAN					149	1978
LOWEST ANNUAL MEAN					46.5	1985
HIGHEST DAILY MEAN	e800	Jan 24	365	Feb 28	1550	Apr 16 1983
LOWEST DAILY MEAN	9.9	Aug 7	24	Sep 30	9.9	Aug 7 1999
ANNUAL SEVEN-DAY MINIMUM	11	Aug 2	27	Sep 24	11	Aug 2 1999
INSTANTANEOUS PEAK FLOW			589	Jun 12	a2080	Jul 29 1969
INSTANTANEOUS PEAK STAGE			5.68	Jun 12	9.21	Jul 29 1969
ANNUAL RUNOFF (CFSM)	1.40		1.70		2.06	
ANNUAL RUNOFF (INCHES)	19.04		23.13		27.93	
10 PERCENT EXCEEDS	130		148		201	
50 PERCENT EXCEEDS	53		70		75	
90 PERCENT EXCEEDS	14		37		28	

a From rating curve extended above 800 ft³/s.
 e Estimated.



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

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, 21.0°C, Sept. 3, 4; minimum, 0.0°C, many days during winter.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	14.5	12.0	13.0	12.0	10.5	11.0	3.5	2.0	2.5	3.5	2.0	3.0
2	14.0	12.0	13.0	13.0	10.5	11.5	3.5	2.0	3.0	5.0	3.0	4.0
3	14.0	13.0	13.5	12.5	8.0	10.5	5.5	3.5	4.5	7.0	5.0	6.0
4	13.5	12.5	13.0	8.0	7.0	7.5	7.0	5.5	6.0	8.5	7.0	8.0
5	12.5	11.0	12.0	8.0	5.5	7.0	8.0	6.0	7.0	7.5	3.0	5.5
6	---	---	---	9.5	7.5	8.5	8.0	7.5	8.0	3.0	1.5	2.0
7	---	---	---	8.5	6.5	7.5	8.0	5.5	7.0	3.5	2.0	3.0
8	10.0	7.5	9.0	6.5	5.5	6.0	5.5	4.0	4.5	3.0	2.0	2.5
9	12.5	10.0	11.5	7.5	5.0	6.5	5.0	3.5	4.5	4.5	2.5	3.5
10	13.5	12.5	13.0	10.0	7.5	8.5	5.5	4.0	4.5	5.5	4.5	5.0
11	14.0	13.0	13.5	10.5	7.5	9.5	5.0	4.0	4.5	4.5	4.0	4.5
12	13.0	10.5	11.5	7.5	5.5	6.5	4.5	3.0	4.0	4.5	3.5	4.0
13	12.5	10.0	11.0	8.5	7.0	7.5	4.5	3.0	3.5	4.0	1.5	3.0
14	12.5	10.0	11.5	7.5	6.5	7.0	5.0	4.5	4.5	1.5	.0	.5
15	10.0	8.0	9.5	7.0	6.0	6.5	6.5	4.5	5.5	.5	.0	.0
16	10.5	8.5	9.5	6.0	3.5	5.0	6.5	5.0	6.0	2.0	.5	1.0
17	12.0	10.5	11.0	4.0	3.0	3.5	5.0	4.0	4.5	1.0	.0	.0
18	12.5	10.5	12.0	4.0	2.5	3.5	5.0	4.0	4.5	.0	.0	.0
19	10.5	8.5	9.5	6.0	4.0	5.0	4.5	4.0	4.0	.0	.0	.0
20	10.5	9.5	10.0	7.5	5.0	6.0	5.0	3.5	4.0	.5	.0	.0
21	10.0	9.0	9.5	9.0	7.5	8.0	5.0	4.5	5.0	.0	.0	.0
22	9.5	8.0	9.0	10.0	8.0	9.0	4.5	3.5	4.0	.0	.0	.0
23	10.0	9.0	9.5	11.0	10.0	10.5	3.5	2.0	2.5	.0	.0	.0
24	9.0	8.0	8.5	12.0	11.0	11.5	3.0	1.0	2.0	.5	.0	.5
25	9.0	7.5	8.5	12.0	9.5	10.5	1.0	.0	.5	.5	.0	.0
26	9.0	7.0	8.0	11.0	9.0	10.0	2.0	.5	1.5	.5	.0	.5
27	9.0	8.0	8.5	11.0	9.0	10.5	2.5	2.0	2.0	.5	.0	.0
28	8.5	7.0	8.0	9.0	6.5	7.5	2.5	1.0	1.5	.0	.0	.0
29	9.5	7.0	8.0	6.5	5.0	5.5	2.0	1.0	1.5	.0	.0	.0
30	10.5	8.5	9.5	5.0	3.5	4.5	3.5	1.5	2.5	.0	.0	.0
31	11.5	9.5	10.5	---	---	---	4.0	3.0	3.5	.0	.0	.0
MONTH	14.5	7.0	10.5	13.0	2.5	7.7	8.0	.0	4.0	8.5	.0	1.8

