

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)
Dec. 17	1300	*862	*6.51	No other peak greater than base discharge.			

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	24	25	28	62	64	104	229	74	62	45	24	20
2	24	25	26	58	66	103	209	73	116	43	23	19
3	24	25	23	e56	63	102	185	70	110	38	25	18
4	23	24	23	57	58	100	167	68	96	39	42	19
5	25	24	24	54	62	100	153	66	90	42	31	21
6	26	24	23	56	62	93	154	64	86	38	25	18
7	24	24	22	53	59	91	149	62	80	35	23	18
8	24	24	22	52	58	92	137	61	75	42	22	17
9	24	24	22	51	58	93	134	60	71	45	21	17
10	24	51	20	48	68	90	161	58	68	40	29	19
11	25	33	22	47	71	89	147	57	66	50	54	21
12	24	27	23	46	64	90	149	56	67	40	62	18
13	24	25	21	44	66	174	140	53	61	36	51	17
14	24	28	33	44	69	185	132	51	58	35	36	27
15	24	28	36	45	77	170	127	51	57	33	32	22
16	23	25	37	45	79	166	136	49	60	32	29	19
17	25	23	478	46	90	179	124	49	103	31	29	18
18	51	23	446	45	78	180	125	51	65	32	26	17
19	43	22	219	55	75	169	113	50	57	30	25	17
20	30	21	163	63	78	165	106	47	56	29	25	29
21	27	21	129	53	82	190	105	52	58	28	23	182
22	27	21	114	47	75	277	101	87	59	27	23	63
23	26	20	100	47	e75	253	97	68	62	26	22	45
24	27	19	93	46	73	234	93	55	58	25	24	41
25	26	20	84	44	91	211	89	51	52	25	21	210
26	26	45	e80	41	113	188	86	69	50	39	20	114
27	26	44	78	43	113	168	83	99	46	28	20	78
28	26	33	72	41	110	153	80	90	43	26	22	65
29	26	29	70	38	---	143	78	70	41	25	25	57
30	25	31	68	56	---	282	76	64	40	24	21	51
31	25	---	65	65	---	258	---	61	---	24	20	---
TOTAL	822	808	2664	1548	2097	4892	3865	1936	2013	1052	875	1297
MEAN	26.5	26.9	85.9	49.9	74.9	158	129	62.5	67.1	33.9	28.2	43.2
MAX	51	51	478	65	113	282	229	99	116	50	62	210
MIN	23	19	20	38	58	89	76	47	40	24	20	17
CFSM	.53	.54	1.72	1.00	1.50	3.16	2.58	1.25	1.34	.68	.57	.87
IN.	.61	.60	1.99	1.15	1.56	3.65	2.88	1.44	1.50	.78	.65	.97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2001, BY WATER YEAR (WY)

MEAN	63.4	92.0	127	115	117	159	159	125	94.0	65.0	50.6	53.1
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

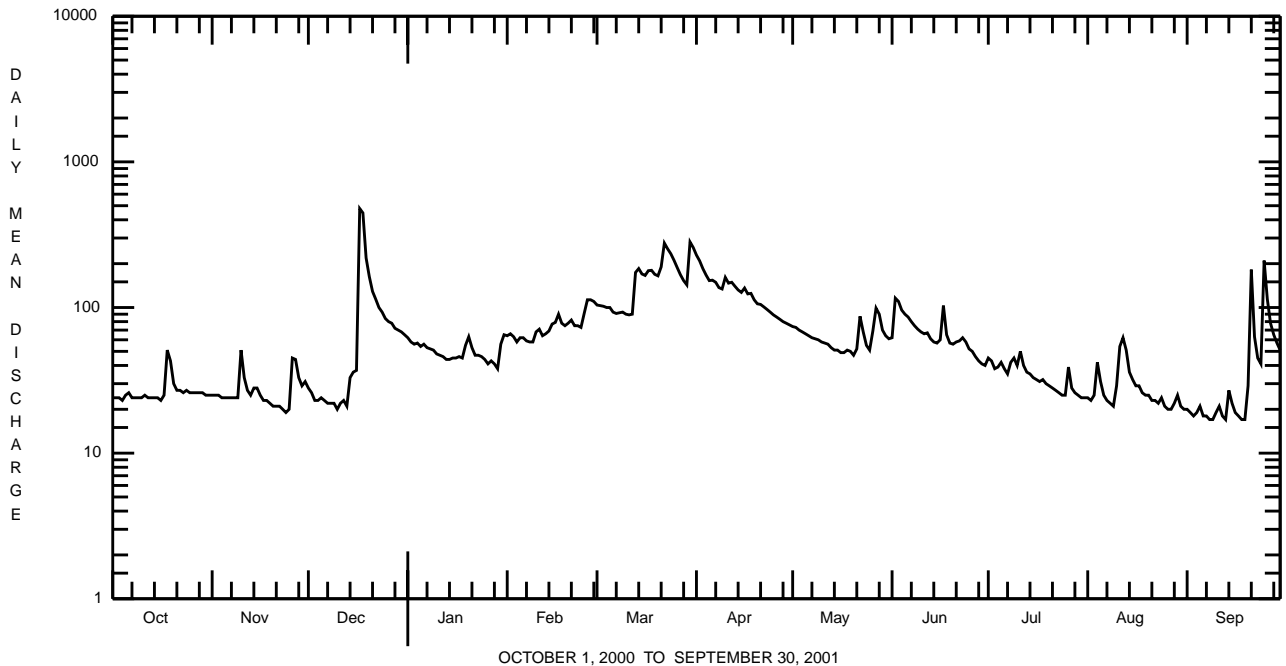
e Estimated.

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SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1967 - 2001	
ANNUAL TOTAL	29280		23869			
ANNUAL MEAN	80.0		65.4		102	
HIGHEST ANNUAL MEAN					149	1978
LOWEST ANNUAL MEAN					46.5	1985
HIGHEST DAILY MEAN	478	Dec 17	478	Dec 17	1550	Apr 16 1983
LOWEST DAILY MEAN	19	Nov 24	17	Sep 8 ^a	9.9	Aug 7 1999
ANNUAL SEVEN-DAY MINIMUM	21	Nov 19	18	Sep 7	11	Aug 2 1999
MAXIMUM PEAK FLOW			b 862	Dec 17	b 2080	Jul 29 1969
MAXIMUM PEAK STAGE			6.51	Dec 17	9.21	Jul 29 1969
ANNUAL RUNOFF (CFSM)	1.60		1.31		2.03	
ANNUAL RUNOFF (INCHES)	21.83		17.79		27.65	
10 PERCENT EXCEEDS	152		138		199	
50 PERCENT EXCEEDS	60		51		73	
90 PERCENT EXCEEDS	24		22		27	

a Also, Sept. 9, 13, 18, 19.
b From rating curve extended above 800 ft³/s.



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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.--Water temperature records rated good. 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, 24.0°C, Aug. 8; minimum, 0.0°C, many days during winter.

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	11.5	9.0	10.5	8.5	6.5	7.5	4.5	3.0	4.0	.5	.0	.5
2	13.0	11.0	11.5	9.0	6.5	8.0	3.0	1.0	2.5	.5	.0	.5
3	14.5	12.0	13.0	9.5	7.0	8.5	1.0	.5	1.0	.5	.0	.0
4	14.5	12.0	13.5	10.5	8.5	9.5	1.0	.0	.5	1.0	.0	.5
5	14.0	13.0	13.5	9.0	7.0	8.0	1.5	.5	1.0	.5	.0	.5
6	14.0	13.0	13.5	7.5	5.5	6.5	1.0	.5	1.0	1.0	.5	1.0
7	13.5	11.0	12.0	7.5	5.0	6.5	1.0	.5	.5	1.0	.5	1.0
8	11.0	8.0	9.5	8.5	6.0	7.5	1.5	.5	1.0	1.0	.5	1.0
9	8.0	6.5	7.5	10.0	8.5	9.5	1.0	1.0	1.0	1.5	.5	1.0
10	8.0	6.5	7.0	10.5	10.0	10.5	1.5	.0	.5	1.5	.5	1.0
11	10.0	7.0	8.5	10.0	9.0	9.5	2.5	1.5	2.0	1.5	.5	1.0
12	11.0	8.0	9.5	9.5	8.0	8.5	3.5	1.5	3.0	1.5	.5	1.0
13	11.0	8.5	10.0	9.0	8.0	8.5	1.5	.5	.5	1.0	.5	.5
14	12.5	9.5	11.0	9.0	7.0	8.5	1.0	.0	.5	1.5	.5	1.0
15	13.0	10.5	12.0	7.0	6.0	6.5	2.0	1.0	1.5	3.0	1.5	2.5
16	12.5	12.5	12.5	6.0	5.0	6.0	2.5	1.5	2.0	3.5	2.5	3.0
17	12.5	11.5	12.0	6.5	5.0	6.0	5.5	2.5	4.5	3.5	3.0	3.0
18	12.0	11.5	11.5	5.5	4.5	5.0	4.5	2.0	3.0	3.0	2.5	2.5
19	12.0	10.5	11.5	4.5	3.0	4.0	2.5	1.5	2.0	2.5	2.5	2.5
20	11.0	8.5	10.0	3.5	2.0	2.5	2.5	1.5	2.0	3.0	2.0	2.5
21	12.0	9.0	10.5	3.0	2.0	2.5	1.5	.5	1.0	2.0	.5	1.0
22	12.0	10.0	11.0	2.0	1.0	1.5	2.0	.5	1.5	1.0	.0	.5
23	10.0	8.0	9.0	1.0	.5	.5	.5	.0	.0	.5	.0	.5
24	11.0	8.0	9.5	1.0	.5	.5	.5	.0	.5	1.0	.0	.5
25	12.5	9.5	11.0	1.5	.5	1.0	.5	.0	.0	1.0	.5	1.0
26	12.5	10.5	11.5	4.0	1.5	3.0	.0	.0	.0	1.0	.0	.5
27	12.5	10.0	11.5	5.5	4.0	5.0	.5	.0	.5	1.5	.5	1.0
28	11.5	9.0	11.0	6.5	5.5	6.0	.5	.0	.5	1.5	1.0	1.0
29	9.0	7.0	8.0	6.0	4.5	5.5	.5	.0	.0	1.0	.0	.5
30	8.0	6.0	7.0	5.5	4.5	5.0	.5	.0	.5	1.5	1.0	1.5
31	8.0	6.0	7.0	---	---	---	.5	.5	.5	3.0	1.5	2.5
MONTH	14.5	6.0	10.5	10.5	.5	5.9	5.5	.0	1.3	3.5	.0	1.2

