

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 National Geodetic Vertical Datum of 1929.

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 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Oct. 11	2345	547	5.54	Aug. 17	0045	1,030	6.97
Mar. 21	0845	873	6.54	Sept. 15	1800	834	6.43
June 13	0115	*2,020	*9.14	Sept. 23	1600	1,570	8.22
June 20	2345	899	6.61				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	88	96	168	65	81	198	85	338	153	56	91
2	27	82	89	296	65	103	202	83	323	143	60	102
3	26	77	84	260	64	120	185	79	263	133	64	112
4	27	73	77	234	90	98	173	77	304	121	79	110
5	30	71	79	205	86	95	184	76	256	112	163	89
6	26	94	77	186	69	119	167	78	221	107	260	74
7	24	78	72	167	69	101	158	77	283	114	133	70
8	23	71	71	156	62	94	156	94	342	105	107	67
9	22	69	67	159	e62	104	161	82	282	98	100	65
10	27	68	65	154	61	104	169	77	242	97	182	62
11	249	73	98	135	58	91	174	74	211	98	176	58
12	445	85	222	121	55	90	172	83	314	90	211	57
13	221	102	171	114	e54	102	161	73	1190	82	153	63
14	129	85	263	108	e50	106	154	70	625	78	131	76
15	98	82	277	103	52	113	150	68	420	75	116	370
16	200	100	245	97	e44	184	145	67	324	73	268	462
17	291	231	200	e92	e100	297	138	70	269	69	558	275
18	185	274	168	e86	113	371	136	66	276	70	225	209
19	142	232	154	e86	65	372	130	64	236	72	171	269
20	120	199	213	89	56	414	119	62	307	64	143	221
21	102	175	201	e80	52	770	114	68	757	79	125	183
22	91	172	172	e76	80	555	114	64	669	167	112	167
23	84	161	162	e74	164	418	108	61	549	99	103	1110
24	77	135	150	e72	143	329	102	72	408	88	93	849
25	75	123	163	74	112	276	98	71	320	73	87	472
26	161	115	168	e70	98	246	117	154	267	67	84	348
27	120	116	146	e66	90	229	110	129	230	63	81	286
28	99	107	135	e66	85	197	95	115	202	64	75	320
29	92	102	129	69	---	219	94	109	182	58	72	257
30	98	101	119	65	---	239	88	101	167	56	87	213
31	99	---	119	64	---	211	---	121	---	54	76	---
TOTAL	3438	3541	4452	3792	2164	6848	4272	2570	10777	2822	4351	7107
MEAN	111	118	144	122	77.3	221	142	82.9	359	91.0	140	237
MAX	445	274	277	296	164	770	202	154	1190	167	558	1110
MIN	22	68	65	64	44	81	88	61	167	54	56	57
CFM	2.22	2.37	2.88	2.45	1.55	4.43	2.85	1.66	7.20	1.82	2.81	4.75
IN.	2.56	2.64	3.32	2.83	1.61	5.11	3.18	1.92	8.03	2.10	3.24	5.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2003, BY WATER YEAR (WY)

MEAN	63.9	91.0	125	113	114	159	157	125	101	64.9	52.3	57.4
MAX	181	203	354	323	191	330	369	270	359	165	193	264
(WY)	1977	1973	1997	1979	1998	1977	1983	1989	2003	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

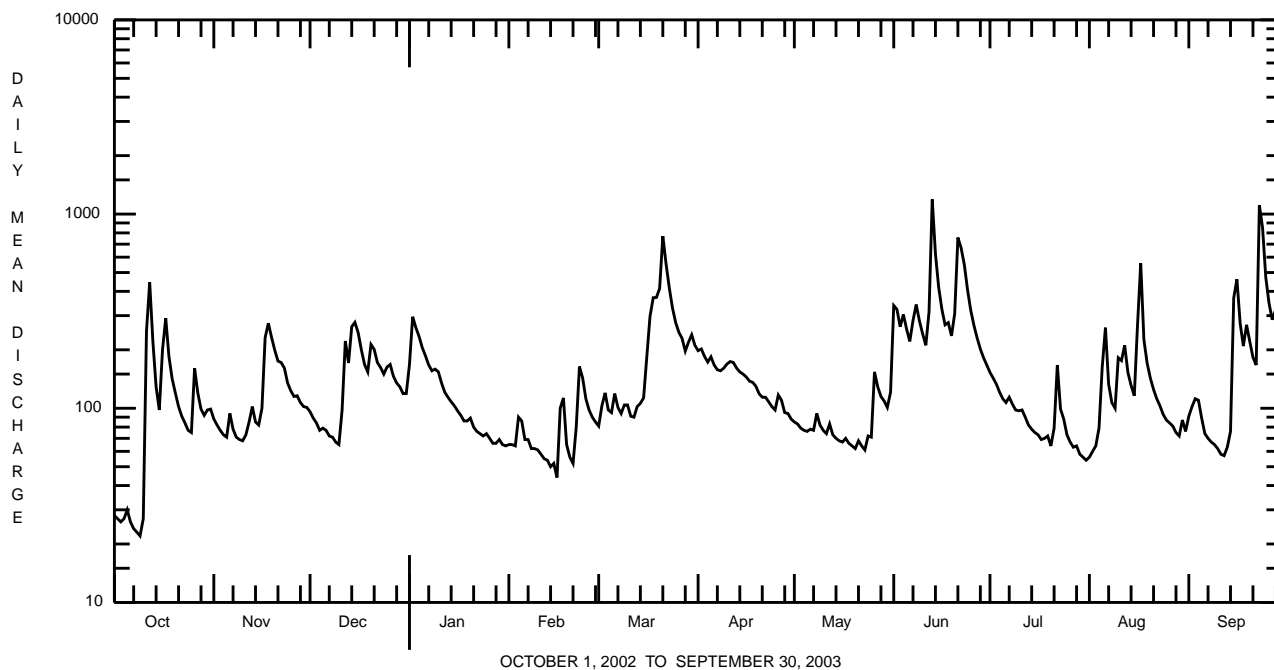
e Estimated.

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1967 - 2003	
ANNUAL TOTAL	30950		56134			
ANNUAL MEAN	84.8		154		102	
HIGHEST ANNUAL MEAN					154	2003
LOWEST ANNUAL MEAN					46.5	1985
HIGHEST DAILY MEAN	445	Oct 12	1190	Jun 13	1550	Apr 16 1983
LOWEST DAILY MEAN	16	Sep 10,11	22	Oct 9	9.9	Aug 7 1999
ANNUAL SEVEN-DAY MINIMUM	17	Sep 8	25	Oct 3	11	Aug 2 1999
MAXIMUM PEAK FLOW			a2020	Jun 13	a2080	Jul 29 1969
MAXIMUM PEAK STAGE			9.14	Jun 13	9.21	Jul 29 1969
ANNUAL RUNOFF (CFSM)	1.70		3.08		2.04	
ANNUAL RUNOFF (INCHES)	23.07		41.85		27.74	
10 PERCENT EXCEEDS	175		282		201	
50 PERCENT EXCEEDS	67		107		74	
90 PERCENT EXCEEDS	23		64		27	

a 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.

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, 19.5°C, July 28, Aug. 2-6, 16, 17; minimum, 0.0°C, many days during winter.

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	15.5	13.5	14.5	7.5	6.5	7.0	5.0	2.5	3.5	5.0	4.0	5.0
2	17.0	15.0	16.0	6.5	5.5	6.0	3.5	2.0	3.0	4.5	4.0	4.0
3	17.5	16.0	17.0	6.5	5.5	6.0	3.5	1.0	2.0	4.0	2.5	3.0
4	17.0	15.5	16.0	6.5	5.5	6.0	1.5	0.5	0.5	4.0	2.5	3.5
5	18.0	16.0	17.0	7.0	5.5	6.0	1.5	0.5	1.0	4.5	3.5	4.0
6	16.5	14.0	15.0	8.0	7.0	7.5	2.5	1.0	2.0	4.0	3.5	4.0
7	16.0	14.5	15.0	7.5	6.0	7.0	1.5	0.0	0.5	4.0	2.5	3.0
8	14.5	12.0	13.0	7.0	5.0	6.0	2.5	0.5	1.0	4.5	2.5	3.5
9	12.5	10.5	11.5	8.5	6.0	7.0	2.0	0.5	1.0	5.5	4.5	4.5
10	13.0	12.5	13.0	11.0	8.0	9.0	1.0	0.0	0.5	4.5	3.5	4.5
11	13.5	13.0	13.0	13.0	11.0	12.0	2.0	0.5	1.0	3.5	1.5	2.5
12	14.0	13.5	13.5	11.5	10.0	10.5	3.5	2.0	2.5	2.0	1.0	1.5
13	14.0	13.5	13.5	10.0	8.0	9.5	4.5	3.5	4.0	2.0	0.5	1.5
14	13.5	11.0	12.0	8.5	6.5	7.5	5.0	4.5	4.5	1.5	0.5	1.0
15	11.0	9.0	10.0	8.5	7.5	8.0	5.5	4.5	5.0	1.5	0.5	1.0
16	11.5	11.0	11.0	8.0	6.5	7.5	5.5	3.5	4.5	1.0	0.0	0.5
17	11.5	10.5	11.0	7.0	6.5	6.5	3.5	2.0	3.0	1.0	0.5	0.5
18	11.5	10.0	10.5	7.0	6.5	7.0	3.0	1.0	2.0	0.5	0.0	0.0
19	10.5	9.0	9.5	6.5	5.5	6.0	5.0	2.5	3.5	0.5	0.0	0.0
20	10.5	9.0	10.0	7.5	5.5	6.5	6.0	5.0	5.5	0.5	0.0	0.5
21	10.0	9.0	9.5	7.5	5.5	6.5	5.0	4.5	4.5	0.5	0.0	0.0
22	9.5	7.5	8.5	8.0	7.5	7.5	5.5	4.0	4.5	0.0	0.0	0.0
23	9.5	8.0	9.0	7.5	6.0	6.5	5.5	4.5	5.0	0.0	0.0	0.0
24	9.0	7.0	8.0	7.0	5.5	6.0	4.5	4.0	4.5	0.0	0.0	0.0
25	8.0	8.0	8.0	7.5	5.5	6.5	4.5	0.5	2.5	0.5	0.0	0.5
26	9.5	8.0	9.0	7.5	6.0	6.5	3.5	1.5	2.5	1.0	0.5	0.5
27	10.0	9.0	9.5	6.5	4.0	5.0	3.5	3.0	3.5	0.5	0.0	0.0
28	10.0	8.5	9.5	4.0	2.5	3.5	3.5	2.5	3.0	0.0	0.0	0.0
29	8.5	6.5	7.5	4.0	2.5	3.5	4.5	3.5	4.0	1.0	0.0	0.5
30	7.0	6.0	6.5	5.0	4.0	4.5	4.5	2.5	3.5	1.0	0.0	0.5
31	7.5	6.5	7.0	---	---	---	5.5	4.5	5.0	1.5	0.5	1.0
MONTH	18.0	6.0	11.4	13.0	2.5	6.8	6.0	0.0	3.0	5.5	0.0	1.6

