

KISKIMINETAS RIVER BASIN

03042000 BLACKLICK CREEK AT JOSEPHINE, PA

LOCATION.--Lat 40°28'24", long 79°11'01", Indiana County, Hydrologic Unit 05010007, on right bank on upstream side of old concrete dam at Josephine, 0.9 mi upstream from Two Lick Creek, and 5 mi northeast of Blairsville.

DRAINAGE AREA.--192 mi².

PERIOD OF RECORD.--January 1952 to current year.

REVISED RECORDS.--WSP 1385: 1952-54 (M). WDR PA-78-3: 1977 (M).

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 975.82 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 25, 1953, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Some regulation at low flow by mine pumpage above station. Several measurements of water temperature were made during the year. U.S. Army Corps of Engineers satellite telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 2,700 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Mar. 20	2200	2,720	5.74	May 18	1200	4,130	6.52
Mar. 26	2300	*5,040	*7.02	June 6	2400	2,810	5.80
May 14	0100	3,900	6.40	June 14	2000	3,510	6.20

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e35	e41	231	e90	462	176	683	792	297	121	e72	e35
2	e32	e45	162	e82	425	187	568	982	223	113	e70	e34
3	e28	58	121	e73	344	450	495	945	166	144	e66	e35
4	e30	e89	102	e70	317	459	439	659	145	118	e63	e33
5	e28	e56	95	e68	258	310	381	535	135	114	e95	e31
6	e29	e51	93	e66	240	320	333	450	710	114	188	e29
7	e31	e47	93	e65	230	277	298	408	1560	114	e90	e27
8	e29	e46	93	e63	219	243	268	380	601	114	e75	e25
9	e31	e45	163	e61	197	223	246	950	393	114	e64	e23
10	e33	e44	149	e149	190	206	232	810	286	149	e58	e21
11	e34	e44	119	597	810	179	208	545	229	118	e53	e22
12	e36	e41	103	700	637	170	187	473	204	113	e48	e23
13	e38	e50	104	402	493	167	180	1670	426	110	e51	e24
14	e48	e40	116	304	373	161	208	2890	1450	110	e51	e23
15	e74	e42	144	270	336	151	722	1660	1910	110	e56	e23
16	e110	e43	127	244	304	903	1370	1060	1140	110	e58	e24
17	e52	e44	381	218	277	757	836	795	721	e93	e59	e23
18	e51	e45	1640	194	232	822	591	2800	514	e91	e56	e25
19	e50	e45	868	166	208	760	473	1690	412	e94	e53	53
20	e48	e55	613	170	210	1450	410	1120	308	e86	e95	e86
21	e43	e59	469	167	280	1780	374	839	242	e90	e69	e37
22	e42	e49	345	155	285	1080	597	658	207	e79	e62	e47
23	e39	e47	e287	156	234	809	537	533	184	e82	82	e97
24	e62	48	e280	342	210	685	413	450	160	e90	102	51
25	e63	152	e259	748	200	579	383	382	213	e86	135	e36
26	e36	305	e218	489	202	1740	364	342	154	e93	e97	51
27	e38	128	e186	386	222	2960	298	292	148	110	e46	187
28	e40	114	e157	326	200	1320	764	242	196	e96	e42	262
29	e39	180	e136	285	---	965	1060	233	194	e83	e43	118
30	e37	198	e115	345	---	823	759	214	140	e75	e40	e80
31	e36	---	e102	473	---	656	---	183	---	e74	e37	---
TOTAL	1322	2251	8071	7924	8595	21768	14677	25982	13668	3208	2176	1585
MEAN	42.6	75.0	260	256	307	702	489	838	456	103	70.2	52.8
MAX	110	305	1640	748	810	2960	1370	2890	1910	149	188	262
MIN	28	40	93	61	190	151	180	183	135	74	37	21
CFSM	0.22	0.39	1.36	1.33	1.60	3.66	2.55	4.37	2.37	0.54	0.37	0.28
IN.	0.26	0.44	1.56	1.54	1.67	4.22	2.84	5.03	2.65	0.62	0.42	0.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2002, BY WATER YEAR (WY)

MEAN	170	296	420	421	553	755	602	421	253	199	146	139
MAX	812	1113	1025	905	1202	1615	1086	1009	1376	1114	581	595
(WY)	1977	1998	1973	1975	1956	1967	1993	1978	1972	1977	1958	1996
MIN	30.8	33.5	68.4	135	124	219	236	84.8	65.6	43.5	37.1	28.7
(WY)	1953	1954	1961	1956	1987	1969	1997	1986	1965	1965	1962	1998

e Estimated.

KISKIMINETAS RIVER BASIN

03042000 BLACKLICK CREEK AT JOSEPHINE, PA--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1953 - 2002	
ANNUAL TOTAL	87734		111227			
ANNUAL MEAN	240		305		364	
HIGHEST ANNUAL MEAN					523	1972
LOWEST ANNUAL MEAN					242	1954
HIGHEST DAILY MEAN	2190	Feb 15	2960	Mar 27	22800	Jul 20 1977
LOWEST DAILY MEAN	e28	Oct 3,5	e21	Sep 10	15	Oct 13 1995
ANNUAL SEVEN-DAY MINIMUM	a29	Oct 3	a23	Sep 9	23	Sep 9 2002
MAXIMUM PEAK FLOW			5040	Mar 26	b45700	Jul 20 1977
MAXIMUM PEAK STAGE			7.02	Mar 26	c19.89	Jul 20 1977
INSTANTANEOUS LOW FLOW					19	Sep 14 1952d
ANNUAL RUNOFF (CFSM)	1.25		1.59		1.89	
ANNUAL RUNOFF (INCHES)	17.00		21.55		25.73	
10 PERCENT EXCEEDS	645		762		795	
50 PERCENT EXCEEDS	105		160		207	
90 PERCENT EXCEEDS	43		38		52	

- a Computed using estimated daily discharges.
- b From rating curve extended above 16,000 ft³/s on basis of contracted-opening measurement at gage height 11.35 ft in gage well, 12.67 ft from outside floodmark and slope-area measurement at gage height 10.93 ft.
- c From floodmark in gage well.
- d Also Nov. 4, 1953.
- e Estimated.

