

## 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 mi<sup>2</sup>.

**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 sea level. 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 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. 31	0700	*2,960	*5.89	Apr. 16	1030	2,720	5.74
Feb. 15	1100	2,960	5.89				

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	e88	115	373	e115	1180	221	299	188	94	327	e36	109
2	e79	109	308	e110	793	215	287	178	290	655	e36	86
3	e72	105	241	e105	580	204	260	158	393	227	e36	e60
4	e78	105	206	e100	487	206	242	139	325	161	e36	e63
5	85	101	233	e96	427	216	225	140	221	230	e53	e64
6	357	99	195	e92	405	181	318	128	179	229	e70	e63
7	294	97	186	e87	392	181	716	112	162	154	e56	e62
8	178	96	186	e82	361	167	652	108	137	153	e56	e60
9	148	97	174	e110	589	173	675	119	117	146	e70	e60
10	158	227	149	e125	1840	163	1100	112	102	115	e90	e59
11	188	437	174	e110	1150	156	1000	103	92	121	e90	e58
12	150	298	384	e100	754	162	905	129	87	102	e73	e56
13	128	234	305	e96	614	742	688	120	82	e65	e63	e55
14	117	219	330	e92	594	1610	546	99	78	e62	e57	e53
15	104	195	346	e96	2190	1040	496	90	77	e58	e52	e52
16	99	170	312	e100	1540	869	2140	83	77	e60	e49	e50
17	120	162	932	e105	1660	1550	1590	77	77	e63	e59	e50
18	1550	152	868	e110	990	1270	1110	77	77	e64	e90	e48
19	797	140	600	e120	726	886	819	77	77	e58	e90	e47
20	474	134	499	e130	624	701	663	75	77	e51	92	e46
21	357	131	e340	e140	578	640	666	91	78	e44	e90	e45
22	276	118	e240	e150	427	801	550	110	78	e44	e73	e44
23	228	121	e150	e145	390	641	465	183	187	e44	e64	e43
24	201	127	e150	e135	328	533	421	136	212	e45	e64	59
25	189	118	e150	e120	322	465	372	113	106	e45	e64	94
26	170	161	e145	e115	365	410	317	163	80	e39	e64	87
27	164	281	e140	e110	287	344	282	137	77	e34	e64	83
28	161	382	e140	e105	247	314	257	170	77	e34	e64	82
29	151	309	e135	e140	---	300	223	157	77	e34	e72	80
30	132	406	e130	e400	---	330	195	116	97	e36	e90	78
31	123	---	e120	1930	---	349	---	97	---	e36	e90	---
TOTAL	7416	5446	8841	5571	20840	16040	18479	3785	3890	3536	2053	1896
MEAN	239	182	285	180	744	517	616	122	130	114	66.2	63.2
MAX	1550	437	932	1930	2190	1610	2140	188	393	655	92	109
MIN	72	96	120	82	247	156	195	75	77	34	36	43
CFSM	1.25	.95	1.49	.94	3.88	2.69	3.21	.64	.68	.59	.34	.33
IN.	1.44	1.06	1.71	1.08	4.04	3.11	3.58	.73	.75	.69	.40	.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2001, BY WATER YEAR (WY)

MEAN	173	300	423	424	558	756	605	412	249	201	147	141
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.

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03042000 BLACKLICK CREEK AT JOSEPHINE, PA--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1953 - 2001	
ANNUAL TOTAL	100927		97793			
ANNUAL MEAN	276		268		365	
HIGHEST ANNUAL MEAN					523	1972
LOWEST ANNUAL MEAN					242	1954
HIGHEST DAILY MEAN	1950	Mar 22	2190	Feb 15	22800	Jul 20 1977
LOWEST DAILY MEAN	e63	Aug 21	e34	Jul 27	15	Oct 13 1995
ANNUAL SEVEN-DAY MINIMUM	a67	Aug 16	a35	Jul 27-29	24	Jul 21 1982
MAXIMUM PEAK FLOW			2960	Feb 15	b45700	Jul 20 1977
MAXIMUM PEAK STAGE			5.89	Feb 15	c19.89	Jul 20 1977
INSTANTANEOUS LOW FLOW					19	Sep 14 1952d
ANNUAL RUNOFF (CFSM)	1.44		1.40		1.90	
ANNUAL RUNOFF (INCHES)	19.55		18.95		25.81	
10 PERCENT EXCEEDS	651		658		796	
50 PERCENT EXCEEDS	155		139		209	
90 PERCENT EXCEEDS	75		58		52	

- a Computed using estimated daily discharges.
- b From rating curve extended above 16,000 ft<sup>3</sup>/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.

