

## 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 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 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. 2	0200	*5,060	*7.03	Aug. 30	1900	2,980	5.90
Feb. 23	--	--	Ice jam				

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	101	181	e160	2020	e130	357	302	119	708	110	684	1460
2	96	173	e140	3450	e130	395	440	116	483	101	507	1860
3	93	148	e130	1580	e125	387	388	110	577	94	405	1410
4	104	133	e115	1130	e450	346	339	104	1910	93	1060	1200
5	101	122	e115	849	e750	469	1120	112	1230	96	729	826
6	98	451	e120	704	e500	845	998	166	851	109	547	615
7	95	431	e120	585	e350	678	785	169	814	353	441	465
8	92	332	e120	520	e300	606	786	246	801	228	357	368
9	89	250	e125	525	e270	1290	757	291	779	180	383	303
10	87	218	e130	e520	e230	1040	639	706	586	147	877	249
11	84	240	e135	e450	e235	716	837	759	477	865	564	211
12	101	253	e160	e360	e205	658	884	538	473	404	562	176
13	111	273	e210	e310	e210	1030	667	598	643	300	403	160
14	102	229	e450	e260	e210	1400	542	552	485	204	299	152
15	100	194	593	e240	e185	1140	458	415	389	154	229	158
16	100	179	511	e220	e165	1300	396	484	312	194	205	161
17	168	468	403	e180	e125	1520	351	470	257	169	283	131
18	147	711	332	e180	e140	1380	303	393	548	125	231	116
19	127	504	303	e180	e135	1150	273	371	443	220	171	260
20	141	506	1460	e175	e135	1070	247	314	389	158	139	391
21	119	425	1360	e170	e150	1470	233	752	411	120	124	211
22	104	372	880	e165	e250	1010	223	586	453	1030	121	167
23	102	354	752	e165	e1300	778	219	453	337	869	125	665
24	101	305	589	e160	e1020	619	189	466	258	604	108	442
25	99	295	524	e160	726	514	169	396	213	529	103	308
26	148	255	454	e155	520	446	162	454	181	348	912	306
27	188	242	365	e155	455	390	157	415	154	263	1100	260
28	131	222	309	e150	392	331	143	341	137	322	734	641
29	115	e200	305	e145	---	298	132	308	123	240	429	510
30	216	e180	261	e140	---	314	124	259	115	177	1750	361
31	209	---	414	e135	---	314	---	264	---	147	1390	---
TOTAL	3669	8846	12045	16138	9793	24261	13263	11727	15537	8953	15972	14543
MEAN	118	295	389	521	350	783	442	378	518	289	515	485
MAX	216	711	1460	3450	1300	1520	1120	759	1910	1030	1750	1860
MIN	84	122	115	135	125	298	124	104	115	93	103	116
CFSM	0.62	1.54	2.02	2.71	1.82	4.08	2.30	1.97	2.70	1.50	2.68	2.52
IN.	0.71	1.71	2.33	3.13	1.90	4.70	2.57	2.27	3.01	1.73	3.09	2.82

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2003, BY WATER YEAR (WY)

MEAN	169	296	419	423	549	756	599	420	258	200	153	146
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1953 - 2003	
ANNUAL TOTAL	124143		154747			
ANNUAL MEAN	340		424		365	
HIGHEST ANNUAL MEAN					523	1972
LOWEST ANNUAL MEAN					242	1954
HIGHEST DAILY MEAN	2960	Mar 27	3450	Jan 2	22800	Jul 20 1977
LOWEST DAILY MEAN	e21	Sep 10	84	Oct 11	15	Oct 13 1995
ANNUAL SEVEN-DAY MINIMUM	a23	Sep 9	92	Oct 5	23	Sep 9 2002
MAXIMUM PEAK FLOW			5060	Jan 2	b45700	Jul 20 1977
MAXIMUM PEAK STAGE			7.03	Jan 2	c19.89	Jul 20 1977
INSTANTANEOUS LOW FLOW			81	Oct 12	19	Sep 14 1952d
ANNUAL RUNOFF (CFSM)	1.77		2.21		1.90	
ANNUAL RUNOFF (INCHES)	24.05		29.98		25.81	
10 PERCENT EXCEEDS	775		878		797	
50 PERCENT EXCEEDS	204		303		210	
90 PERCENT EXCEEDS	57		116		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.

