

**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. 24	1100	*6,510	*7.80	Apr. 10	0300	3,540	6.41
Apr. 5	0400	3,330	6.29				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e26	e40	e54	167	420	359	385	329	90	90	e34	e38
2	e25	e38	58	e130	535	291	382	293	94	103	87	e35
3	e27	e39	57	e100	575	321	351	261	119	109	85	e35
4	e26	e39	58	e90	511	550	334	240	101	100	e44	e33
5	e32	e40	58	e90	503	475	1810	215	90	90	e40	e33
6	e30	e41	58	e78	447	456	818	194	e70	90	e34	e40
7	e30	e40	e62	e70	453	466	646	179	e62	133	e33	e150
8	e68	e40	e65	e64	808	394	523	203	e58	94	e34	e70
9	152	e53	e64	386	633	405	1070	209	e54	90	e34	e47
10	98	e77	e54	900	540	372	2580	184	e50	106	e34	e41
11	e74	e58	e53	735	467	321	1290	159	e46	106	e34	e37
12	e70	e52	e53	660	442	301	1100	146	e48	90	68	e34
13	e66	e52	e49	757	424	272	853	134	e49	e74	69	e33
14	e66	e52	e50	880	367	271	655	127	e47	e64	126	e35
15	e64	e53	e53	654	329	267	581	120	e46	e54	105	e34
16	e63	e50	e55	493	334	264	705	112	e48	e45	88	e38
17	e60	e50	e55	449	e300	395	683	104	e50	e39	e40	e56
18	e70	e50	e55	813	e270	1200	719	99	e47	e33	e36	e44
19	e66	e48	e53	1030	e240	1080	645	106	e58	e32	e34	e36
20	e66	e50	e55	671	e220	734	672	98	e64	e34	e34	e33
21	e60	e51	57	590	e195	814	667	92	e50	e35	e34	e35
22	e56	e49	581	1060	e180	1370	1130	92	e46	e33	e34	e43
23	e52	e52	398	2750	e160	880	1090	106	e45	e36	e35	e38
24	e49	e52	190	5450	e145	733	969	153	e45	e41	e34	e35
25	e47	e52	110	2150	e135	656	747	219	e45	e40	e33	e35
26	e45	e54	213	1100	e130	546	633	147	e49	e40	e34	e36
27	e47	e52	209	794	e125	503	545	114	e66	e40	e34	e37
28	e47	e51	101	800	257	483	474	97	e84	e34	e45	e36
29	e46	e50	92	830	---	473	421	90	110	e36	e58	e34
30	e43	e54	96	594	---	450	371	90	142	e40	e47	162
31	e42	---	99	483	---	407	---	90	---	e40	e41	---
TOTAL	1713	1479	3265	25818	10145	16509	23849	4802	1973	1991	1522	1393
MEAN	55.3	49.3	105	833	362	533	795	155	65.8	64.2	49.1	46.4
MAX	152	77	581	5450	808	1370	2580	329	142	133	126	162
MIN	25	38	49	64	125	264	334	90	45	32	33	33
CFSM	.29	.26	.55	4.34	1.89	2.77	4.14	.81	.34	.33	.26	.24
IN.	.33	.29	.63	5.00	1.97	3.20	4.62	.93	.38	.39	.29	.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1999, BY WATER YEAR (WY)

MEAN	174	306	430	435	554	766	604	420	253	205	150	143
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

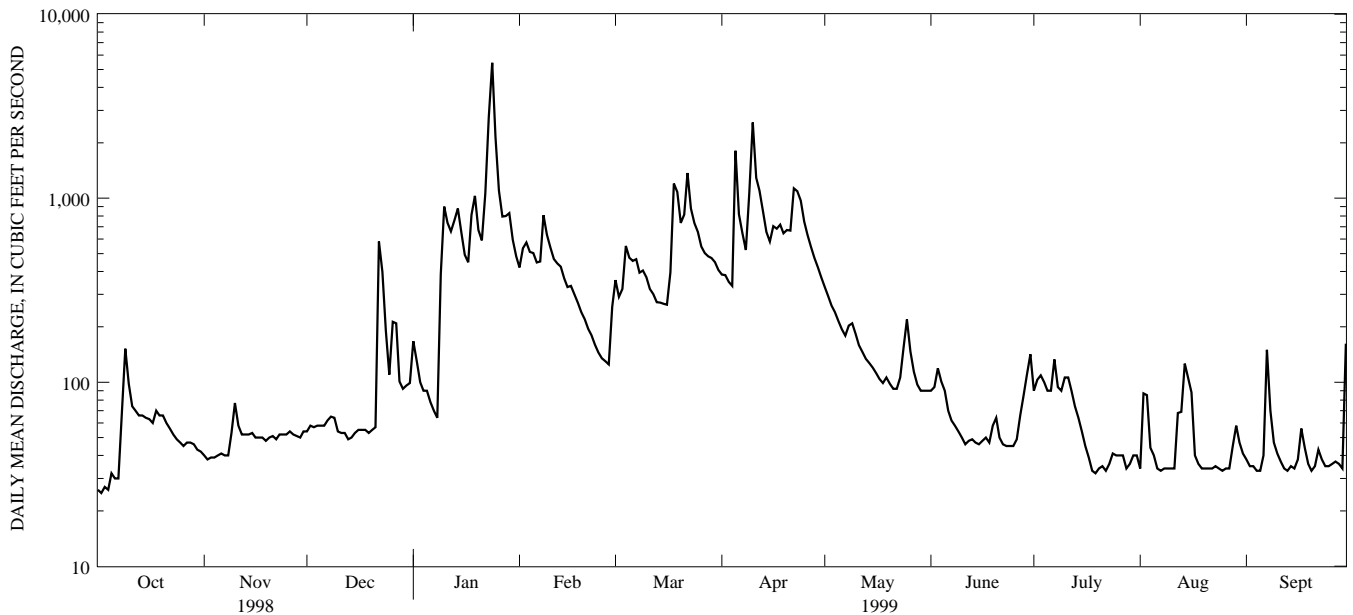
e Estimated.

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03042000 BLACKLICK CREEK AT JOSEPHINE, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR			FOR 1999 WATER YEAR			WATER YEARS 1953 - 1999		
ANNUAL TOTAL	116101			94459					
ANNUAL MEAN	318			259			369		
HIGHEST ANNUAL MEAN							523		
LOWEST ANNUAL MEAN							242		
HIGHEST DAILY MEAN	3440	Jan	8	5450	Jan	24	22800	Jul	20 1977
LOWEST DAILY MEAN	e25	Oct	2	e25	Oct	2	15	Oct	13 1995
ANNUAL SEVEN-DAY MINIMUM	a26	Sep	28	a28	Oct	1	24	Jul	21 1982
INSTANTANEOUS PEAK FLOW				6510	Jan	24	b45700	Jul	20 1977
INSTANTANEOUS PEAK STAGE				7.80	Jan	24	c19.89	Jul	20 1977
INSTANTANEOUS LOW FLOW							19	Sep	14 1952d
ANNUAL RUNOFF (CFSM)	1.66			1.35			1.92		
ANNUAL RUNOFF (INCHES)	22.49			18.30			26.12		
10 PERCENT EXCEEDS	718			676			800		
50 PERCENT EXCEEDS	157			90			212		
90 PERCENT EXCEEDS	34			35			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.



1-YEAR HYDROGRAPH  
OCTOBER 1, 1998 TO SEPTEMBER 30, 1999