

## JUNIATA RIVER BASIN

## 01565000 KISHACOQUILLAS CREEK AT REEDSVILLE, PA

**LOCATION.**--Lat 40°39'17", long 77°35'00", Mifflin County, Hydrologic Unit 02050304, on left bank 150 ft downstream from bridge on old U.S. Highway 322, 1.0 mi southeast of Reedsville, and 1.0 mi downstream from Honey Creek.

**DRAINAGE AREA.**--164 mi<sup>2</sup>.

**PERIOD OF RECORD.**--October 2001 to current year. October 1939 to September 1970, monthly discharge only for October, November 1939, published in WSP 1302; October 1983 to September 1985; October 1988 to September 2001, crest-stage partial-record station.

**GAGE.**--Water-stage recorder. Datum of gage is 551.23 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.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--Flood in March 1936 reached a stage about 14.1 ft, discharge about 11,500 ft<sup>3</sup>/s. Flood of June 23, 1972 reached a stage of 16.17 ft from floodmarks, discharge 16,400 ft<sup>3</sup>/s from rating curve extended above 10,000 ft<sup>3</sup>/s.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than a base discharge of 1,100 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. 1	2345	1,560	6.44	Sept. 19	1415	1,320	6.04
Mar. 13	1930	1,350	6.08	Sept. 23	0745	*2,650	*7.94
Mar. 20	2215	2,180	7.36	Sept. 28	0315	1,220	5.84
June 7	1715	1,250	5.91				

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	62	254	209	588	136	189	433	187	433	183	188	193
2	55	226	194	1180	134	186	438	193	323	170	164	233
3	50	205	181	934	130	183	419	178	402	162	272	277
4	47	192	159	801	224	168	404	167	844	152	218	315
5	45	181	169	660	195	179	745	172	728	143	193	280
6	43	232	164	566	e145	292	663	181	634	136	173	245
7	42	200	146	492	e135	227	660	173	853	139	155	225
8	40	185	151	467	e125	202	633	231	883	142	143	208
9	39	180	142	503	e120	427	617	253	857	126	144	195
10	39	175	128	476	e115	307	613	263	719	129	184	182
11	77	196	154	401	e110	230	799	293	616	356	160	169
12	262	232	316	356	e105	306	902	284	551	186	154	158
13	175	316	282	332	e100	645	835	270	480	151	135	158
14	132	269	539	308	e95	679	734	252	415	134	125	195
15	113	257	604	292	e90	631	635	236	367	124	116	202
16	295	266	539	e250	e86	679	546	367	323	121	110	345
17	364	505	451	e230	e83	893	472	348	298	112	207	226
18	237	554	389	e215	e80	1200	412	345	448	114	160	223
19	202	479	357	e205	e78	1290	381	338	389	123	139	865
20	179	440	498	e195	e85	1410	344	318	401	104	130	1070
21	158	396	463	e185	e92	1720	324	319	429	101	124	819
22	141	402	428	e170	e105	1440	319	295	379	159	118	632
23	129	359	406	e165	531	1190	286	287	344	189	112	1860
24	117	314	370	e160	398	987	258	374	310	137	106	1270
25	111	289	366	e155	275	847	243	332	285	136	101	989
26	206	265	337	e150	234	740	250	300	260	115	105	811
27	161	260	306	e145	214	625	240	298	240	107	122	680
28	140	240	287	145	201	529	216	292	221	110	110	948
29	136	229	273	145	---	515	207	301	205	102	97	664
30	221	225	257	140	---	528	197	272	193	93	167	558
31	266	---	252	135	---	471	---	288	---	87	172	---
TOTAL	4284	8523	9517	11146	4421	19915	14225	8407	13830	4343	4604	15195
MEAN	138	284	307	360	158	642	474	271	461	140	149	506
MAX	364	554	604	1180	531	1720	902	374	883	356	272	1860
MIN	39	175	128	135	78	168	197	167	193	87	97	158
CFSM	0.84	1.73	1.87	2.19	0.96	3.92	2.89	1.65	2.81	0.85	0.91	3.09
IN.	0.97	1.93	2.16	2.53	1.00	4.52	3.23	1.91	3.14	0.99	1.04	3.45

## STATISTICS OF MONTHLY MEAN DATA FOR PERIOD OF DAILY RECORD, BY WATER YEAR (WY)

	75.2	142	186	205	252	439	442	332	200	86.0	70.1	65.5
MEAN	75.2	142	186	205	252	439	442	332	200	86.0	70.1	65.5
MAX	277	678	719	557	849	680	782	616	516	182	253	506
(WY)	1956	1951	1951	1952	1984	1945	1970	1942	1946	1967	1967	2003
MIN	19.2	18.8	22.1	27.7	45.0	105	174	90.3	57.1	27.2	22.1	17.4
(WY)	1965	1965	1940	1940	1940	1969	1966	1941	1965	1965	1966	1965

e Estimated.

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## 01565000 KISHACOQUILLAS CREEK AT REEDSVILLE, PA--Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	74180		118410			
ANNUAL MEAN	203		324		208	
HIGHEST ANNUAL MEAN					383	1951
LOWEST ANNUAL MEAN					99.3	1965
HIGHEST DAILY MEAN	1110	May 18	1860	Sep 23	5310	Nov 25 1950
LOWEST DAILY MEAN	28	Sep 12-14 <sup>a</sup>	39	Oct 9,10	14	Jan 9 1940 <sup>b</sup>
ANNUAL SEVEN-DAY MINIMUM	29	Sep 12	42	Oct 4	14	Jan 6 1940
MAXIMUM PEAK FLOW			2650	Sep 23	c12400	Jan 19 1996
MAXIMUM PEAK STAGE			7.94	Sep 23	14.20	Jan 19 1996
INSTANTANEOUS LOW FLOW			37	Oct 10		
ANNUAL RUNOFF (CFSM)	1.24		1.98		1.27	
ANNUAL RUNOFF (INCHES)	16.83		26.86		17.20	
10 PERCENT EXCEEDS	444		663		479	
50 PERCENT EXCEEDS	136		232		120	
90 PERCENT EXCEEDS	43		111		30	

<sup>a</sup> Also Sept. 18-21.

<sup>b</sup> Also Jan. 12, 1940, Sept. 2, 3, 1966.

<sup>c</sup> From rating curve extended above 3,900 ft<sup>3</sup>/s on basis of slope-area measurement at gage height 13.12 ft.

