



2004 Water Year JUNIATA RIVER BASIN

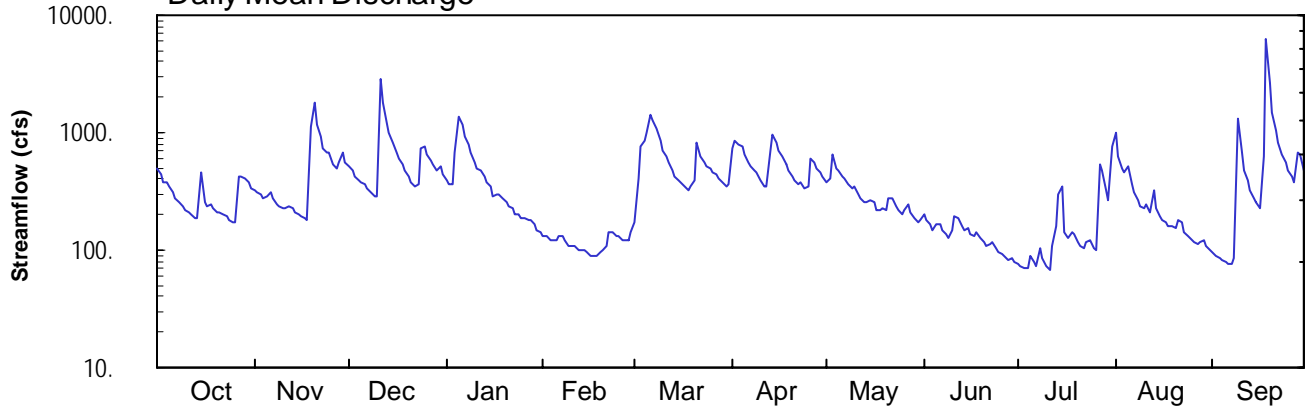
01565000 Kishacoquillas Creek at Reedsville, PA

Latitude: 40° 39' 17"
Mifflin County

Longitude: 077° 35' 00"
Datum: 551.23 feet

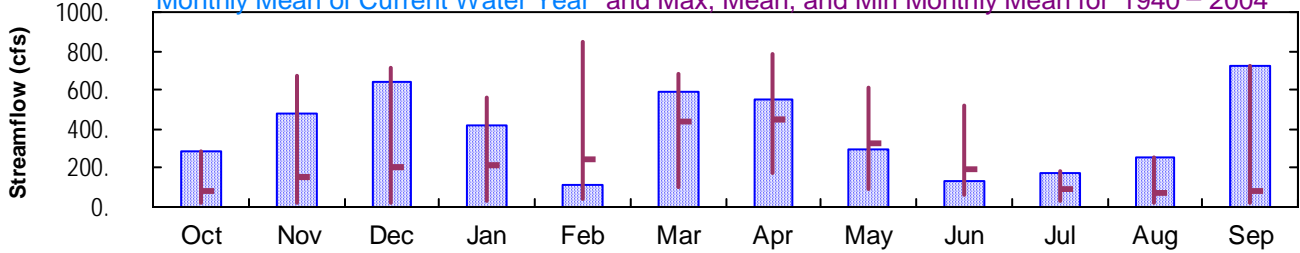
Hydrologic Unit Code: 02050304
Drainage Area: 164. mi²

Daily Mean Discharge

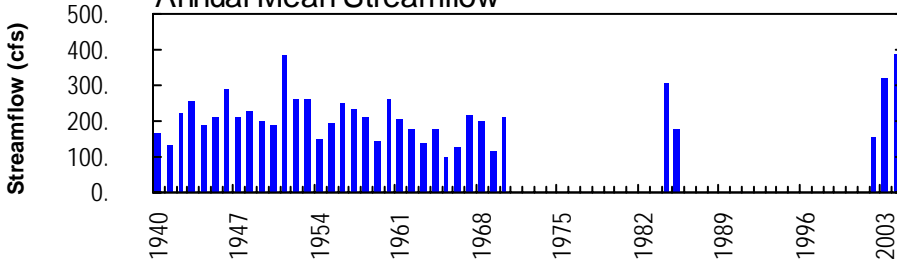


Monthly Statistics

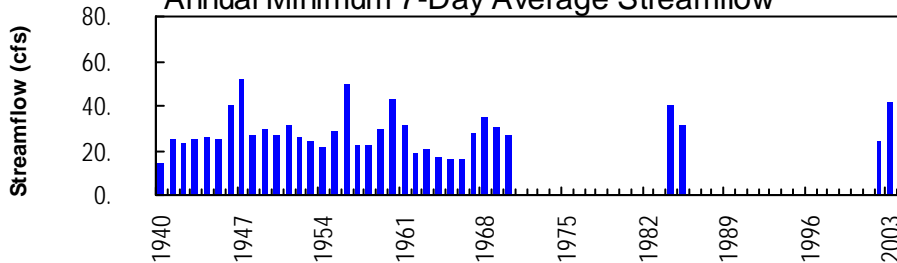
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1940 – 2004



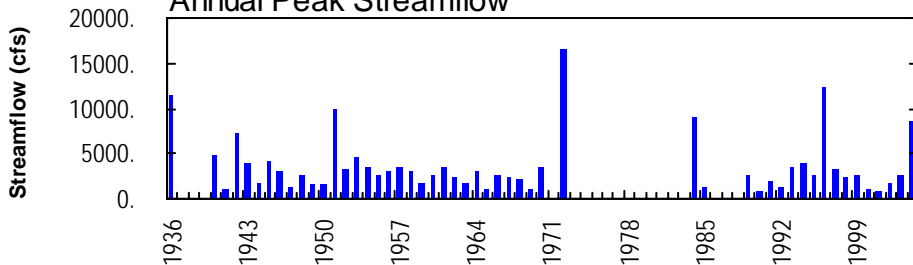
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



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 mi².

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 ft³/s. Flood of June 23, 1972 reached a stage of 16.17 ft from floodmarks, discharge 16,400 ft³/s from rating curve extended above 10,000 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 1,100 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Nov. 19	1930	3,040	7.73	Apr. 13	2345	1,170	5.72
Dec. 11	1115	4,180	8.72	July 27	1545	1,100	5.61
Dec. 24	1645	1,310	5.94	July 31	2000	2,070	6.88
Jan. 5	1300	1,560	6.27	Sept. 9	0845	2,160	6.98
Mar. 6	0945	1,580	6.30	Sept. 18	0600	*8,470	*12.18
Apr. 1	1615	1,230	5.82				

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	497	326	524	386	e130	e170	742	381	199	75	991	95
2	434	312	477	367	e130	e400	860	412	183	73	638	90
3	379	299	429	366	e120	771	789	654	166	70	499	85
4	377	280	393	683	e120	864	754	491	150	70	458	82
5	353	290	378	1380	e120	995	650	472	165	89	511	79
6	307	314	361	1170	e130	1430	564	431	165	78	357	77
7	278	278	330	933	e130	1240	506	403	148	74	306	76
8	255	250	304	783	e120	1100	474	365	136	102	268	84
9	237	236	288	679	e110	853	460	342	128	84	239	1300
10	222	228	292	548	e110	713	389	346	147	73	223	696
11	209	226	2850	497	e110	621	352	300	192	68	241	482
12	198	238	1790	482	e100	557	349	277	190	107	209	385
13	188	226	1230	430	e100	476	710	252	158	161	328	322
14	190	209	986	380	e100	424	967	257	149	e294	227	275
15	450	199	819	347	e95	391	808	264	151	e345	198	252
16	259	192	687	284	e90	365	702	252	138	144	183	229
17	239	186	613	294	e90	343	621	221	130	127	172	621
18	244	177	540	297	e90	323	546	222	139	140	162	6150
19	224	1120	475	274	e95	344	484	226	125	138	158	2620
20	212	1820	422	252	e100	388	430	219	115	119	153	1500
21	207	1180	376	235	e110	820	392	277	108	106	179	1050
22	200	910	346	227	e140	637	366	272	111	104	171	808
23	191	741	364	203	e140	564	381	236	117	119	144	656
24	182	686	722	198	e130	515	337	215	104	122	133	554
25	173	679	754	185	e130	492	352	201	97	104	124	480
26	171	545	652	185	e120	461	609	222	92	100	118	420
27	431	489	586	182	e120	441	548	243	86	543	111	371
28	427	557	526	177	e120	410	502	206	83	474	118	664
29	400	674	480	167	e140	378	456	186	84	321	123	641
30	370	559	507	e150	---	354	416	172	79	262	107	467
31	341	---	436	e140	---	356	---	176	---	765	101	---
TOTAL	8845	14426	19937	12881	3340	18196	16516	9193	4035	5451	7950	21611
MEAN	285	481	643	416	115	587	551	297	134	176	256	720
MAX	497	1820	2850	1380	140	1430	967	654	199	765	991	6150
MIN	171	177	288	140	90	170	337	172	79	68	101	76
CFM	1.74	2.93	3.92	2.53	0.70	3.58	3.36	1.81	0.82	1.07	1.56	4.39
IN.	2.01	3.27	4.52	2.92	0.76	4.13	3.75	2.09	0.92	1.24	1.80	4.90

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

MEAN	81.0	152	199	210	248	443	445	331	199	88.5	75.2	83.6
MAX	285	678	719	557	849	680	782	616	516	182	256	720
(WY)	2004	1951	1951	1952	1984	1945	1970	1942	1946	1967	2004	2004
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.

JUNIATA RIVER BASIN

01565000 KISHACOQUILLAS CREEK AT REEDSVILLE, PA--Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	139294		142381			
ANNUAL MEAN	382		389		213	
HIGHEST ANNUAL MEAN					389	
LOWEST ANNUAL MEAN					99.3	
HIGHEST DAILY MEAN	2850 Dec 11		6150 Sep 18		6150 Sep 18	
LOWEST DAILY MEAN	e78 Feb 19		68 Jul 11		14 Jan 9 1940b	
ANNUAL SEVEN-DAY MINIMUM	a85 Feb 15		76 Jul 1		14 Jan 6 1940	
MAXIMUM PEAK FLOW			c8470 Sep 18		c12400 Jan 19 1996	
MAXIMUM PEAK STAGE			12.18 Sep 18		14.20 Jan 19 1996	
ANNUAL RUNOFF (CFSM)	2.33		2.37		1.30	
ANNUAL RUNOFF (INCHES)	31.60		32.30		17.62	
10 PERCENT EXCEEDS	772		741		486	
50 PERCENT EXCEEDS	278		279		124	
90 PERCENT EXCEEDS	124		103		31	

a Computed using estimated daily discharges.

b Also Jan. 12, 1940, Sept. 2, 3, 1966.

c From rating curve extended above 4,400 ft³/s on basis of slope-area measurement at gage height 13.12 ft.

e Estimated.