

**JUNIATA RIVER BASIN**

**01558000 LITTLE JUNIATA RIVER AT SPRUCE CREEK, PA**

**LOCATION.**--Lat 40°36'45", long 78°08'27", Huntingdon County, Hydrologic Unit 02050302, on right bank on SR 4006, 150 ft downstream from Penn Central Railroad bridge, 0.5 mi northwest of village of Spruce Creek, and 0.5 mi upstream from Spruce Creek.

**DRAINAGE AREA.**--220 mi<sup>2</sup>.

**PERIOD OF RECORD.**--June 1938 to current year. Prior to October 1938 monthly discharge only, published in WSP 1302.

**GAGE.**--Water-stage recorder. Datum of gage is 751.15 ft above sea level.

**REMARKS.**--No estimated daily discharges. Records good. Several measurements of water temperature were made during the year. Satellite telemetry at station.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--Flood of Mar. 18, 1936 reached a stage of 19.1 ft, from floodmarks 175 ft downstream, discharge, 39,800 ft<sup>3</sup>/s, from rating curve extended above 5,600 ft<sup>3</sup>/s on basis of slope-area measurement of peak flow.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than a base discharge of 3,000 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)
Apr. 16	0900	*2,340	*5.10	(No peaks above base discharge.)			

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	81	94	214	127	394	267	504	294	204	144	80	116
2	80	94	194	122	332	263	518	278	545	170	78	81
3	82	94	173	113	285	259	505	267	478	124	79	73
4	81	93	156	114	248	256	513	250	395	118	172	72
5	95	91	167	113	235	270	479	231	340	120	118	71
6	182	92	156	117	249	241	595	220	298	132	88	69
7	128	87	143	116	281	238	667	207	277	110	80	67
8	97	88	148	112	275	242	665	195	248	126	78	66
9	89	91	144	111	314	268	711	203	218	122	76	66
10	96	274	122	106	594	252	888	189	199	106	219	66
11	113	238	138	114	531	246	780	175	195	130	166	68
12	97	159	162	112	438	282	749	178	187	108	102	66
13	92	143	132	110	399	1030	663	170	182	101	92	66
14	91	131	149	110	411	1180	587	157	163	96	85	73
15	90	125	152	111	724	873	562	156	152	93	79	72
16	90	116	141	117	766	774	1770	150	164	91	80	68
17	122	116	390	117	792	922	1540	141	173	89	129	66
18	701	110	354	115	628	787	1170	146	141	89	92	65
19	280	109	243	124	543	688	910	144	130	87	137	65
20	176	106	221	150	503	615	754	133	123	83	379	79
21	148	108	194	137	463	815	724	139	122	83	134	105
22	134	100	192	120	380	1340	612	150	197	79	103	75
23	118	96	149	110	365	968	542	279	433	80	94	69
24	114	97	168	123	327	812	502	163	272	79	92	84
25	112	96	151	116	322	692	454	145	185	83	87	197
26	106	328	142	107	358	599	414	185	159	105	83	107
27	104	309	145	113	303	525	390	1000	144	87	91	83
28	106	221	147	109	284	474	359	442	135	80	86	81
29	103	200	136	100	---	437	326	309	129	79	84	78
30	100	265	135	218	---	641	310	259	127	83	81	75
31	98	---	131	517	---	533	---	214	---	83	84	---
TOTAL	4106	4271	5389	4101	11744	17789	20163	7169	6715	3160	3428	2389
MEAN	132	142	174	132	419	574	672	231	224	102	111	79.6
MAX	701	328	390	517	792	1340	1770	1000	545	170	379	197
MIN	80	87	122	100	235	238	310	133	122	79	76	65
CFSM	.60	.65	.79	.60	1.91	2.61	3.05	1.05	1.02	.46	.50	.36
IN.	.69	.72	.91	.69	1.99	3.01	3.41	1.21	1.14	.53	.58	.40

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2001, BY WATER YEAR (WY)**

MEAN	186	276	361	372	490	775	720	513	333	189	140	147
MAX	816	1092	997	991	1128	1609	1928	1239	2022	623	389	898
(WY)	1991	1951	1973	1949	1976	1979	1993	1978	1972	1956	1956	1996
MIN	64.7	71.3	73.2	90.5	138	261	228	150	104	70.4	56.9	50.8
(WY)	1964	1939	1966	1940	1963	1990	1946	1976	1965	1965	1966	1995

JUNIATA RIVER BASIN

01558000 LITTLE JUNIATA RIVER AT SPRUCE CREEK, PA--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1939 - 2001	
ANNUAL TOTAL	91851		90424			
ANNUAL MEAN	251		248		374	
HIGHEST ANNUAL MEAN					630	1972
LOWEST ANNUAL MEAN					248	1966
HIGHEST DAILY MEAN	1930	Apr 23	1770	Apr 16	21100	Jun 23 1972
LOWEST DAILY MEAN	65	Sep 10,22	65	Sep 18,19	31	Sep 12 1995
ANNUAL SEVEN-DAY MINIMUM	67	Sep 17	66	Sep 7	34	Sep 7 1995
MAXIMUM PEAK FLOW			2340	Apr 16	a28600	Jun 23 1972
MAXIMUM PEAK STAGE			5.10	Apr 16	16.98	Jun 23 1972
INSTANTANEOUS LOW FLOW			64	Sep 9b	45	Sep 26 1943c
ANNUAL RUNOFF (CFSM)	1.14		1.13		1.70	
ANNUAL RUNOFF (INCHES)	15.53		15.29		23.12	
10 PERCENT EXCEEDS	501		594		806	
50 PERCENT EXCEEDS	149		144		220	
90 PERCENT EXCEEDS	81		81		83	

a From rating curve extended above 5,600 ft<sup>3</sup>/s on basis of slope-area measurement at gage height 15.77 ft.

b Also Sept. 10, 13, 17-20.

c Also Oct. 4, 1949.

