

**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. 21	1215	*2,380	*5.14				
(No peaks above base discharge.)							

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	73	285	168	112	826	294	417	333	135	90	75
2	85	137	253	161	109	755	276	400	299	129	102	78
3	78	490	232	169	105	612	282	354	287	139	135	78
4	90	207	220	205	111	539	499	326	250	173	137	76
5	88	154	199	197	110	486	405	303	255	138	112	72
6	75	139	202	163	107	436	356	292	450	121	148	71
7	69	129	187	151	105	397	345	268	326	115	263	70
8	68	120	167	150	100	360	377	248	252	110	149	67
9	68	114	154	143	98	334	458	235	224	108	110	69
10	162	116	161	164	111	319	403	225	205	108	97	65
11	150	114	166	213	133	357	386	218	192	108	89	74
12	102	109	146	179	169	454	420	200	186	100	88	78
13	85	108	151	169	139	350	372	196	196	97	83	84
14	201	100	498	149	673	329	353	187	237	99	81	74
15	134	97	602	144	670	318	340	169	420	106	80	70
16	104	96	443	157	501	315	330	163	501	122	82	80
17	98	90	374	119	464	460	640	161	330	103	81	71
18	90	89	329	111	402	353	1560	156	279	96	77	66
19	89	87	294	134	461	334	1180	256	271	89	79	67
20	85	89	301	147	401	326	889	329	228	90	76	67
21	84	97	331	139	373	714	1550	229	222	87	73	67
22	83	95	274	128	401	893	1920	200	284	88	72	65
23	83	94	249	133	472	723	1930	249	215	84	76	67
24	86	95	229	137	574	628	1480	797	189	82	110	109
25	81	110	207	129	866	568	1090	510	178	84	93	93
26	79	970	211	125	910	520	841	408	182	82	77	96
27	76	965	212	116	829	467	699	371	176	80	75	103
28	78	507	195	107	1260	440	599	391	165	104	83	88
29	73	406	192	111	926	401	523	578	154	130	81	83
30	72	336	182	109	---	357	465	408	143	98	78	81
31	72	---	179	115	---	319	---	364	---	100	76	---
TOTAL	2905	6333	7825	4542	11692	14690	21262	9608	7629	3305	3053	2304
MEAN	93.7	211	252	147	403	474	709	310	254	107	98.5	76.8
MAX	201	970	602	213	1260	893	1930	797	501	173	263	109
MIN	68	73	146	107	98	315	276	156	143	80	72	65
CFSM	.43	.96	1.15	.67	1.83	2.15	3.22	1.41	1.16	.48	.45	.35
IN.	.49	1.07	1.32	.77	1.98	2.48	3.60	1.62	1.29	.56	.52	.39

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2000, BY WATER YEAR (WY)**

MEAN	187	278	364	376	491	779	721	518	335	191	141	148
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 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939 - 2000	
ANNUAL TOTAL	99255		95148			
ANNUAL MEAN	272		260		376	
HIGHEST ANNUAL MEAN					630	
LOWEST ANNUAL MEAN					248	
HIGHEST DAILY MEAN	2050	Jan 24	1930	Apr 23	21100	Jun 23 1972
LOWEST DAILY MEAN	53	Sep 28	65	Sep 10,22	31	Sep 12 1995
ANNUAL SEVEN-DAY MINIMUM	60	Sep 23	67	Sep 17	34	Sep 7 1995
INSTANTANEOUS PEAK FLOW			2380	Apr 21	<b>a</b> 28600	Jun 23 1972
INSTANTANEOUS PEAK STAGE			5.14	Apr 21	16.98	Jun 23 1972
INSTANTANEOUS LOW FLOW			64	Sep 10 <b>b</b>	45	Sep 26 1943 <b>c</b>
ANNUAL RUNOFF (CFSM)	1.24		1.18		1.71	
ANNUAL RUNOFF (INCHES)	16.78		16.09		23.25	
10 PERCENT EXCEEDS	621		513		813	
50 PERCENT EXCEEDS	137		161		221	
90 PERCENT EXCEEDS	71		78		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. 19, 20, 22.
- c** Also Oct. 4, 1949.

