

## WEST BRANCH SUSQUEHANNA RIVER BASIN

## 01550000 LYCOMING CREEK NEAR TROUT RUN, PA

**LOCATION.**--Lat 41°25'06", long 77°01'59", Lycoming County, Hydrologic Unit 02050206, on right bank 150 ft upstream from bridge on Township Route 840, 0.5 mi downstream from Grays Run, and 2.6 mi northeast of Trout Run.

**DRAINAGE AREA.**--173 mi<sup>2</sup>.

**PERIOD OF RECORD.**--December 1913 to current year.

**REVISED RECORDS.**--WSP 756: Drainage area. WSP 921: 1933, 1934(M), 1935-39. WSP 1302: 1914-16, 1922(M), 1932-25, 1926(M), 1927-28, 1930, 1931(M). WSP 1502: 1920-21(M), 1932(M), 1933.

**GAGE.**--Water-stage recorder. Datum of gage is 693.95 ft above sea level. Prior to June 1, 1939, nonrecording gage at site 150 ft downstream at same datum.

**REMARKS.**--Records fair except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry at station.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than a base discharge of 2,900 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)
Nov. 26	2245	*6,700	*9.93	Apr. 18	1745	3,230	7.23
Feb. 28	0315	4,740	8.51				

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	946	117	516	231	151	1050	310	252	166	158	e120	e24
2	561	114	441	223	136	874	289	242	150	135	e110	e22
3	424	194	400	231	128	653	301	215	156	119	e110	e25
4	534	167	378	379	130	541	1450	196	128	116	e90	e30
5	445	143	348	400	125	471	952	182	149	e100	e75	e30
6	367	132	341	304	119	412	732	172	268	e90	e55	e27
7	317	126	318	288	116	367	588	161	228	e85	e95	26
8	281	120	284	275	110	348	667	155	163	e80	e100	19
9	273	116	265	268	111	333	1360	146	136	e75	e75	15
10	311	117	256	347	110	322	986	158	118	e75	e65	14
11	344	112	249	533	112	342	823	197	123	e70	e60	e12
12	282	107	230	410	113	651	692	150	306	e60	e55	e12
13	258	102	223	389	105	495	570	143	433	e60	e50	21
14	323	101	507	328	172	443	493	167	347	e70	e47	25
15	293	98	909	e310	258	413	434	137	304	e75	e45	23
16	261	95	707	e290	211	412	396	122	369	e90	e40	20
17	243	90	595	e260	189	1160	586	113	309	e70	e38	17
18	230	85	516	e250	176	708	2080	112	345	e65	e35	13
19	211	80	452	e240	176	625	1880	382	430	e60	e32	e12
20	203	79	469	e230	167	549	1200	309	306	e55	e30	e11
21	198	79	657	e220	160	748	1070	257	275	e50	e28	e10
22	192	79	502	e200	157	1440	1180	318	424	e55	e25	e10
23	188	78	444	e190	188	945	894	421	294	e50	e30	e11
24	177	77	402	e170	301	756	712	1790	235	e45	e38	12
25	164	81	345	e160	714	636	575	1710	200	e40	e32	14
26	152	1430	343	e150	1040	582	484	858	190	e35	e26	18
27	145	2880	326	e140	1310	484	419	515	232	e34	e24	22
28	136	1260	290	e140	3110	506	376	368	244	e33	e24	24
29	130	842	276	e150	1530	437	326	286	224	e35	e23	23
30	124	637	262	169	---	383	285	229	190	e45	e21	21
31	120	---	249	171	---	342	---	190	---	e100	e20	---
TOTAL	8833	9738	12500	8046	11425	18428	23110	10653	7442	2230	1618	563
MEAN	285	325	403	260	394	594	770	344	248	71.9	52.2	18.8
MAX	946	2880	909	533	3110	1440	2080	1790	433	158	120	30
MIN	120	77	223	140	105	322	285	112	118	33	20	10
CFSM	1.65	1.88	2.33	1.50	2.28	3.44	4.45	1.99	1.43	.42	.30	.11
IN.	1.90	2.09	2.69	1.73	2.46	3.96	4.97	2.29	1.60	.48	.35	.12

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2000, BY WATER YEAR (WY)

MEAN	159	301	308	275	297	592	628	387	205	112	87.3	102
MAX	983	1044	1003	1095	1082	1788	1783	979	1488	674	812	776
(WY)	1991	1927	1997	1996	1981	1936	1993	1919	1972	1915	1994	1975
MIN	7.65	13.4	26.4	20.5	37.8	160	132	74.8	18.0	16.0	10.3	6.25
(WY)	1965	1965	1965	1931	1931	1969	1946	1941	1991	1964	1964	1964

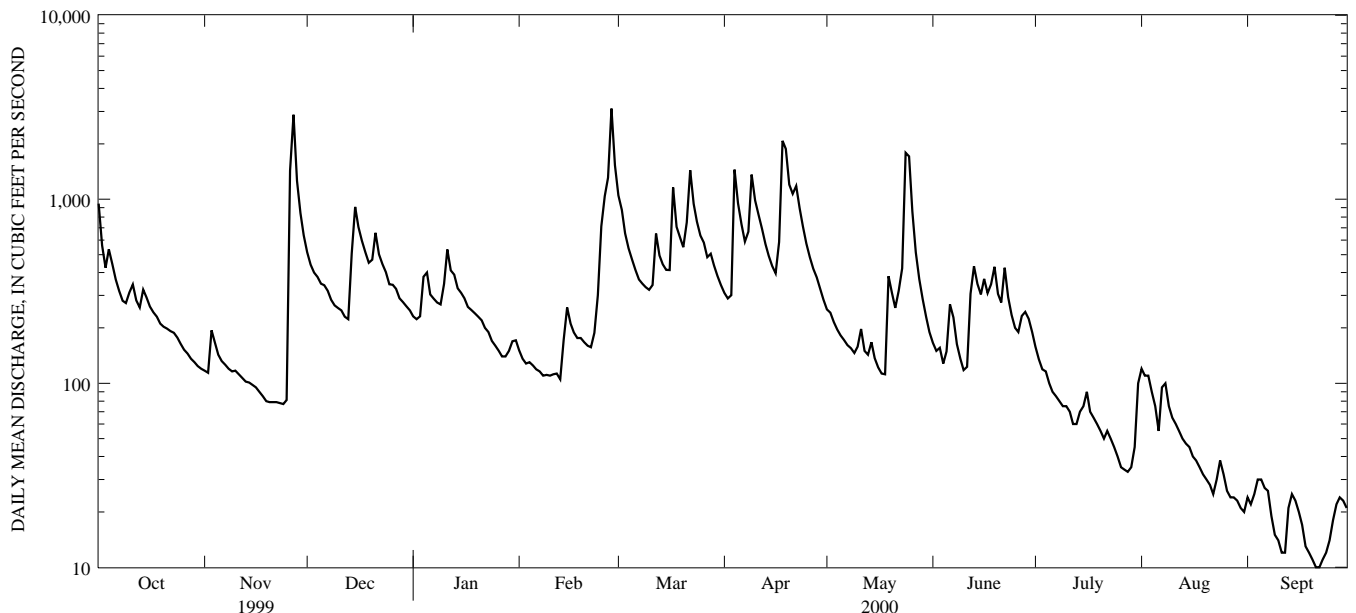
e Estimated.

WEST BRANCH SUSQUEHANNA RIVER BASIN

01550000 LYCOMING CREEK NEAR TROUT RUN, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1914 - 2000	
ANNUAL TOTAL	100856.6		114586		287	
ANNUAL MEAN	276		313		491	
HIGHEST ANNUAL MEAN					124	
LOWEST ANNUAL MEAN					1978	
HIGHEST DAILY MEAN	5630	Jan 24	3110	Feb 28	e15000	Jan 19 1996
LOWEST DAILY MEAN	7.9	Sep 5	e10	Sep 21,22	4.0	Sep 19-24 1936a
ANNUAL SEVEN-DAY MINIMUM	11	Aug 31	b11	Sep 18	4.1	Sep 18 1936
INSTANTANEOUS PEAK FLOW			c6700	Nov 26	c32000	Jan 19 1996
INSTANTANEOUS PEAK STAGE			9.93	Nov 26	d22.68	Jan 19 1996
INSTANTANEOUS LOW FLOW					3.2	Sep 27 1936
ANNUAL RUNOFF (CFSM)	1.60		1.81		1.66	
ANNUAL RUNOFF (INCHES)	21.69		24.64		22.57	
10 PERCENT EXCEEDS	563		696		665	
50 PERCENT EXCEEDS	153		196		140	
90 PERCENT EXCEEDS	20		29		25	

- a Also Sept. 27, 28, 1936 and Sept. 1, 1968.
- b Computed using estimated daily discharges.
- c From rating curve extended above 5,300 ft<sup>3</sup>/s on basis of slope-area measurement of peak flow.
- d From floodmark in gage.
- e Estimated.



1-YEAR HYDROGRAPH  
OCTOBER 1, 1999 TO SEPTEMBER 30, 2000