

**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)
Dec. 17	0815	*4,000	*7.91	Sept. 25	0315	3,630	7.59
Apr. 9	2345	3,910	7.83				

**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	20	16	60	94	63	105	723	238	80	110	31	73
2	18	15	55	83	61	108	583	225	85	164	28	62
3	16	14	43	e80	59	101	484	210	121	109	23	53
4	16	14	e36	75	55	100	480	190	127	97	21	49
5	20	15	e38	71	59	103	597	178	102	93	19	58
6	58	16	e37	70	57	97	897	164	88	87	17	48
7	44	15	e34	69	57	94	1230	150	80	81	15	37
8	28	15	e36	68	56	92	1430	140	73	77	14	30
9	22	18	e32	67	56	98	1520	136	67	75	13	25
10	18	41	e27	65	150	93	2260	129	61	69	15	34
11	16	68	e30	62	146	88	1290	118	60	80	19	56
12	15	49	e59	61	e92	84	958	110	60	70	20	41
13	14	39	e57	59	102	238	755	113	84	62	21	34
14	16	35	e71	58	97	351	586	104	67	57	19	206
15	20	33	67	58	227	309	505	96	59	52	15	146
16	22	30	102	59	210	273	569	88	56	49	18	99
17	27	29	2640	58	194	342	511	81	75	49	265	79
18	94	27	1240	58	143	420	456	81	68	54	122	68
19	65	25	698	58	e130	389	410	80	58	49	88	64
20	41	23	496	57	145	430	379	74	54	43	185	87
21	33	23	e320	55	154	534	399	68	66	37	88	146
22	28	20	e270	48	e90	783	537	76	64	32	64	95
23	24	18	e230	44	121	646	e460	88	476	28	57	77
24	22	14	e200	55	e100	654	e420	81	436	26	56	267
25	20	15	e180	53	111	505	376	68	237	37	47	2840
26	20	28	e160	42	146	406	346	137	168	59	36	1190
27	19	77	e140	52	137	325	325	157	133	55	37	610
28	19	74	e120	49	121	290	300	151	108	41	40	408
29	18	65	119	43	---	274	274	125	95	32	66	306
30	18	64	113	51	---	1370	254	105	88	27	59	233
31	17	---	104	61	---	1020	---	90	---	26	53	---
TOTAL	828	935	7814	1883	3139	10722	20314	3851	3396	1927	1571	7521
MEAN	26.7	31.2	252	60.7	112	346	677	124	113	62.2	50.7	251
MAX	94	77	2640	94	227	1370	2260	238	476	164	265	2840
MIN	14	14	27	42	55	84	254	68	54	26	13	25
CFSM	.15	.18	1.46	.35	.65	2.00	3.91	.72	.65	.36	.29	1.45
IN.	.18	.20	1.68	.40	.67	2.31	4.37	.83	.73	.41	.34	1.62

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2001, BY WATER YEAR (WY)**

MEAN	158	298	307	273	295	590	628	384	204	112	86.9	104
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.

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SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1914 - 2001	
ANNUAL TOTAL	93092		63901			
ANNUAL MEAN	254		175		286	
HIGHEST ANNUAL MEAN					491	1978
LOWEST ANNUAL MEAN					124	1965
HIGHEST DAILY MEAN	3110	Feb 28	2840	Sep 25	15000	Jan 19 1996
LOWEST DAILY MEAN	<b>e</b> 10	Sep 21, 22	13	Aug 9	4.0	Sep 19-24 1936 <sup>a</sup>
ANNUAL SEVEN-DAY MINIMUM	<b>b</b> 11	Sep 18	15	Nov 2	4.1	Sep 18 1936
MAXIMUM PEAK FLOW			4000	Dec 17	<b>c</b> 32000	Jan 19 1996
MAXIMUM PEAK STAGE			7.91	Dec 17	<b>d</b> 22.68	Jan 19 1996
INSTANTANEOUS LOW FLOW					3.2	Sep 27 1936
ANNUAL RUNOFF (CFSM)	1.47		1.01		1.65	
ANNUAL RUNOFF (INCHES)	20.02		13.74		22.47	
10 PERCENT EXCEEDS	640		432		665	
50 PERCENT EXCEEDS	122		71		140	
90 PERCENT EXCEEDS	18		20		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.

