

WEST BRANCH SUSQUEHANNA RIVER BASIN

01550000 LYCOMING CREEK NEAR TROUT RUN, PA
(Pennsylvania Water-Quality Network Station)

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 mi².

WATER-DISCHARGE RECORDS

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 National Geodetic Vertical Datum of 1929. 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 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Mar. 26	2100	*4,880	*8.62	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	192	120	1020	e150	588	177	500	401	200	103	40	12
2	161	117	689	e140	577	172	433	500	177	96	31	12
3	138	115	546	e140	e450	257	386	467	157	88	29	12
4	119	110	457	141	e380	249	342	400	146	79	26	11
5	105	107	398	141	e310	e190	312	365	143	77	27	10
6	98	103	355	138	302	199	290	335	276	72	34	10
7	96	98	321	142	274	202	270	320	461	65	33	9.6
8	86	95	291	135	253	194	255	291	259	59	30	9.2
9	81	91	290	130	229	190	243	306	205	53	25	8.6
10	79	86	276	129	271	218	265	324	177	61	20	8.1
11	73	84	254	133	1200	200	233	273	159	57	17	8.7
12	70	81	245	133	694	189	217	407	147	49	15	9.7
13	68	81	264	129	571	187	216	1530	145	42	22	9.9
14	69	76	313	123	433	186	329	1970	170	38	16	10
15	166	73	476	119	398	178	513	1190	295	35	15	23
16	149	72	376	116	368	215	428	826	316	34	14	48
17	209	69	391	112	339	226	382	645	233	33	46	38
18	176	68	782	108	295	210	349	893	198	30	29	32
19	144	66	608	102	266	214	324	745	245	28	16	31
20	131	67	527	e95	254	241	302	593	204	32	15	31
21	123	68	452	101	278	323	288	520	177	44	13	29
22	118	66	387	100	265	344	274	462	160	36	13	34
23	117	66	348	97	238	309	259	411	148	38	13	145
24	174	65	340	115	217	305	233	368	137	77	16	99
25	194	292	304	217	207	296	226	329	142	72	19	65
26	171	512	264	186	201	1450	237	299	158	57	16	57
27	157	327	238	176	215	2570	213	270	147	49	15	212
28	147	277	231	187	197	1310	302	246	145	61	14	437
29	139	324	212	214	---	892	638	229	131	81	14	193
30	132	554	197	362	---	677	437	216	115	77	14	133
31	124	---	e160	431	---	535	---	204	---	56	13	---
TOTAL	4006	4330	12012	4742	10270	13105	9696	16335	5773	1779	660	1747.8
MEAN	129.2	144.3	387.5	153.0	366.8	422.7	323.2	526.9	192.4	57.39	21.29	58.26
MAX	209	554	1020	431	1200	2570	638	1970	461	103	46	437
MIN	68	65	160	95	197	172	213	204	115	28	13	8.1
CFSM	0.75	0.83	2.24	0.88	2.12	2.44	1.87	3.05	1.11	0.33	0.12	0.34
IN.	0.86	0.93	2.58	1.02	2.21	2.82	2.08	3.51	1.24	0.38	0.14	0.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2002, BY WATER YEAR (WY)

MEAN	157.6	296.1	308.0	271.2	296.1	587.6	624.8	385.9	203.7	110.9	86.17	103.2
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

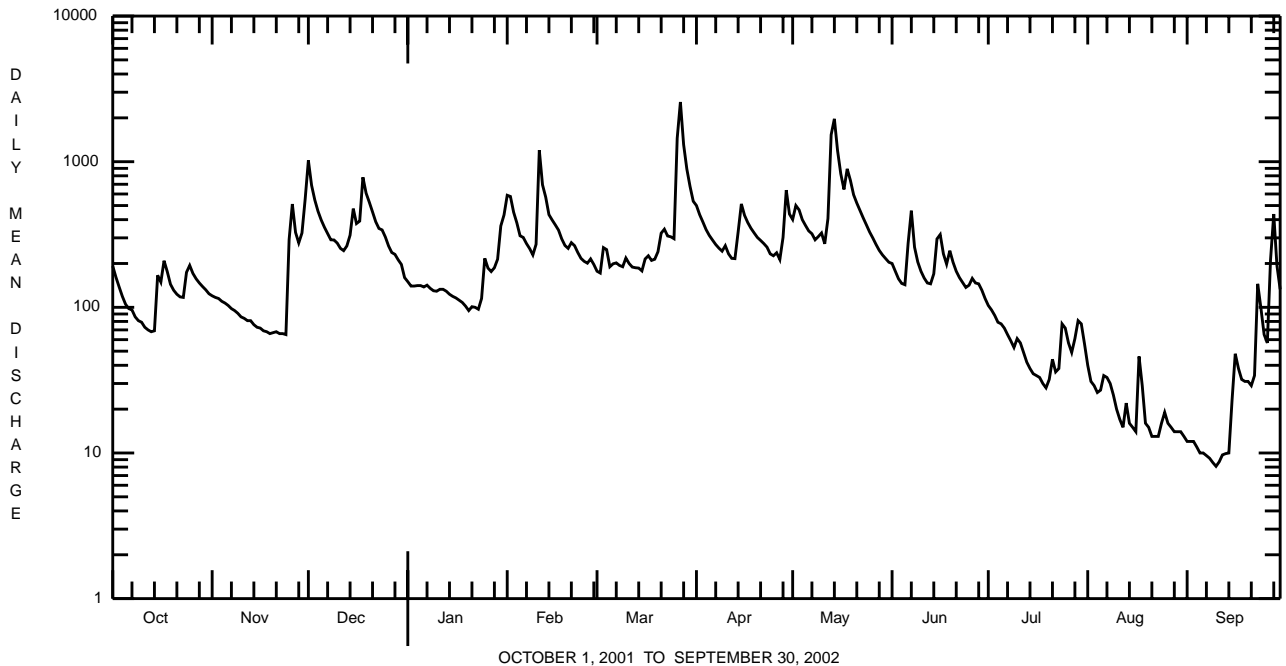
e Estimated.

WEST BRANCH SUSQUEHANNA RIVER BASIN

01550000 LYCOMING CREEK NEAR TROUT RUN, PA--Continued

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1914 - 2002	
ANNUAL TOTAL	74672		84455.8			
ANNUAL MEAN	205		231		286	
HIGHEST ANNUAL MEAN					491	1978
LOWEST ANNUAL MEAN					124	1965
HIGHEST DAILY MEAN	2840	Sep 25	2570	Mar 27	15000	Jan 19 1996
LOWEST DAILY MEAN	13	Aug 9	8.1	Sep 10	4.0	Sep 19-24 1936 ^a
ANNUAL SEVEN-DAY MINIMUM	16	Aug 5	9.1	Sep 7	4.1	Sep 18 1936
MAXIMUM PEAK FLOW			4880	Mar 26	^b 32000	Jan 19 1996
MAXIMUM PEAK STAGE			8.62	Mar 26	^c 22.68	Jan 19 1996
INSTANTANEOUS LOW FLOW					3.2	Sep 27 1936
ANNUAL RUNOFF (CFSM)	1.18		1.34		1.65	
ANNUAL RUNOFF (INCHES)	16.06		18.16		22.42	
10 PERCENT EXCEEDS	478		459		662	
50 PERCENT EXCEEDS	98		176		140	
90 PERCENT EXCEEDS	43		26		24	

- ^a Also Sept. 27, 28, 1936 and Sept. 1, 1968.
- ^b From rating curve extended above 5,300 ft³/s on basis of slope-area measurement of peak flow.
- ^c From floodmark in gage.



WEST BRANCH SUSQUEHANNA RIVER BASIN

01550000 LYCOMING CREEK NEAR TROUT RUN, PA--Continued
(Pennsylvania Water-Quality Network Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 2002 to current year.

REMARKS.--Other data for the Water-Quality Network can be found on pages 306-334.

COOPERATION.--Samples were collected as part of the Pennsylvania Department of Environmental Protection Water-Quality Network (WQN) with cooperation from the Pennsylvania Department of Environmental Protection.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER) (00028)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (µS/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG) (00927)	ANC WATER UNFLTRD FET LAB (MG/L AS CACO3) (00417)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	
APR 2002	08...	1145	9813	257	30	12.4	7.9	53	5.6	21	6.1	1.3	10	10.7
MAY	06...	1015	9813	338	30	12.3	7.3	54	9.6	20	5.9	1.3	11	10.2
JUN	04...	1315	9813	146	30	11.2	7.4	62	14.7	25	7.4	1.7	12	11.4
JUL	10...	1030	9813	61	30	9.1	7.1	81	19.2	29	8.6	1.7	19	12.3
AUG	08...	1315	9813	30	30	9.6	8.1	74	21.8	34	10.5	2.0	20	13.3
SEP	10...	1245	9813	8.3	30	8.6	7.5	96	17.6	37	11.5	2.0	24	12.3

Date	RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L) (00515)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NITRATE TOTAL (MG/L AS N) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN, TOTAL (MG/L AS N) (00600)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	COPPER, TOTAL RECOV-ERABLE (µG/L AS CU) (01042)	IRON, TOTAL RECOV-ERABLE (µG/L AS FE) (01045)	LEAD, TOTAL RECOV-ERABLE (µG/L AS PB) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (µG/L AS MN) (01055)	
APR 2002	08...	10	<2	<.020	.49	<.040	.61	.01	<.010	<4	<20	<1.0	20
MAY	06...	16	<2	<.020	.29	<.040	.51	<.01	<.010	<4	160	<1.0	20
JUN	04...	74	4	<.020	.33	<.040	.45	<.01	<.010	<4	60	<1.0	<10
JUL	10...	42	2	<.020	.40	<.040	.47	<.01	<.010	<4	<20	<1.0	10
AUG	08...	38	12	<.020	.29	<.040	.33	<.01	<.010	<4	30	<1.0	10
SEP	10...	38	<2	.090	.41	<.040	.38	.01	<.010	<4	40	<1.0	20

Date	NICKEL, TOTAL RECOV-ERABLE (µG/L AS NI) (01067)	ZINC, TOTAL RECOV-ERABLE (µG/L AS ZN) (01092)	
APR 2002	08...	<4.0	<5.0
MAY	06...	<4.0	7.0
JUN	04...	<4.0	<5.0
JUL	10...	<4.0	<5.0
AUG	08...	<4.0	<5.0
SEP	10...	<4.0	<5.0