

SCHUYLKILL RIVER BASIN

01469500 LITTLE SCHUYLKILL RIVER AT TAMAQUA, PA

LOCATION.--Lat 40°48'25", long 75°58'20", Schuylkill County, Hydrologic Unit 02040203, on left bank along State Highway 309, 0.6 mi upstream from Tamaqua, and 0.8 mi upstream from Panther Creek.

DRAINAGE AREA.--42.9 mi².

PERIOD OF RECORD.--October 1919 to current year. June 1916 to September 1919, gage heights and discharge measurements only, in reports of Water Supply Commission of Pennsylvania.

REVISED RECORDS.--WSP 756: Drainage area. WSP 971: 1942. WSP 1302: 1922, 1926-30. WSP 1432: 1920-21, 1933.

GAGE.--Water-stage recorder and broad-crested weir. Datum of gage is 817.48 ft above sea level. Prior to June 21, 1929, nonrecording gage at site 3,600 ft downstream at datum 28.64 ft lower.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Still Creek Reservoir (station 01469200) 6.5 mi upstream. Several measurements of water temperature were made during the year. Satellite telemetry at station.

COOPERATION.--Records of diversion and change in contents of Still Creek Reservoir provided by the Borough of Tamaqua.

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	16	17	23	60	57	80	224	59	41	25	20	27
2	16	17	22	56	57	82	196	57	62	24	17	17
3	16	17	e22	e54	56	81	171	56	66	23	21	14
4	16	17	e23	50	53	83	153	53	56	26	48	13
5	23	17	26	50	60	91	133	51	48	47	22	13
6	23	16	40	50	62	83	141	47	43	37	17	11
7	19	16	39	47	57	77	140	44	42	28	16	10
8	17	16	39	45	53	74	121	42	38	26	14	9.7
9	16	17	39	44	52	73	113	41	35	26	13	9.3
10	16	30	39	40	72	70	116	40	33	31	14	12
11	18	30	36	38	79	68	114	38	32	42	28	12
12	25	24	23	36	76	67	115	35	32	28	26	10
13	27	21	e23	e35	76	115	105	35	36	24	20	10
14	27	21	28	e33	79	134	99	32	33	22	18	13
15	27	21	28	33	94	135	97	31	31	21	17	9.5
16	26	19	32	33	95	136	126	30	32	20	15	8.6
17	29	19	561	32	103	150	116	29	65	20	16	7.9
18	47	18	439	32	93	155	118	30	41	23	16	7.7
19	36	18	303	40	89	146	105	30	31	21	14	7.6
20	76	18	233	51	89	143	100	30	38	19	13	13
21	62	18	178	48	90	159	100	37	61	18	12	16
22	50	17	152	e39	84	213	98	69	53	17	11	11
23	45	e16	125	e36	84	193	94	63	59	16	11	9.4
24	31	e16	110	e34	77	185	90	45	48	16	13	42
25	23	e17	98	33	82	170	83	37	38	27	11	216
26	21	29	e86	e31	91	155	77	43	33	39	10	65
27	19	31	83	31	87	138	74	62	29	24	14	40
28	20	25	78	30	83	124	71	71	28	20	16	e30
29	19	23	73	e31	---	115	65	57	27	18	15	e28
30	18	24	69	44	---	285	62	50	25	19	12	e26
31	17	---	67	60	---	254	---	43	---	20	17	---
TOTAL	841	605	3137	1276	2130	4034	3417	1387	1236	767	527	718.7
MEAN	27.1	20.2	101	41.2	76.1	130	114	44.7	41.2	24.7	17.0	24.0
MAX	76	31	561	60	103	285	224	71	66	47	48	216
MIN	16	16	22	30	52	67	62	29	25	16	10	7.6
(†)	3.0	3.0	2.8	3.0	3.3	2.6	2.7	2.9	3.0	3.0	3.1	3.0

† Diversion from Still Creek Reservoir, equivalent in cubic feet per second.

e Estimated.

SCHUYLKILL RIVER BASIN

01469500 LITTLE SCHUYLKILL RIVER AT TAMAQUA, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2001, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	49.7	81.2	103	90.2	95.3	142	142	107	64.9	50.3	38.9	43.2
MAX	317	242	321	338	242	365	475	315	430	394	226	259
(WY)	1977	1952	1997	1996	1951	1936	1993	1989	1972	1947	1933	1933
MIN	5.82	7.81	12.2	8.57	26.6	42.5	46.6	21.1	14.6	8.87	6.25	6.46
(WY)	1964	1942	1981	1981	1934	1985	1985	1941	1941	1965	1944	1964

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1933 - 2001

ANNUAL TOTAL	29598		20075.7		83.8	
ANNUAL MEAN	80.9		55.0		155	
HIGHEST ANNUAL MEAN					1952	
LOWEST ANNUAL MEAN					33.8	
HIGHEST DAILY MEAN	608	Mar 22	561	Dec 17	2790	Aug 24 1933
LOWEST DAILY MEAN	16	Sep 30 ^a	7.6	Sep 19	2.9	Sep 2 1966
ANNUAL SEVEN-DAY MINIMUM	16	Sep 28	9.2	Sep 13	3.5	Aug 27 1966
MAXIMUM PEAK FLOW			864	Dec 17	^b 7790	Aug 18 1955
MAXIMUM PEAK STAGE			4.58	Dec 17	11.10	Aug 18 1955
INSTANTANEOUS LOW FLOW					2.6	Sep 2 1966
10 PERCENT EXCEEDS	175		116		176	
50 PERCENT EXCEEDS	54		36		51	
90 PERCENT EXCEEDS	18		16		14	

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 1932, BY WATER YEAR (WY) (PRIOR TO REGULATION)

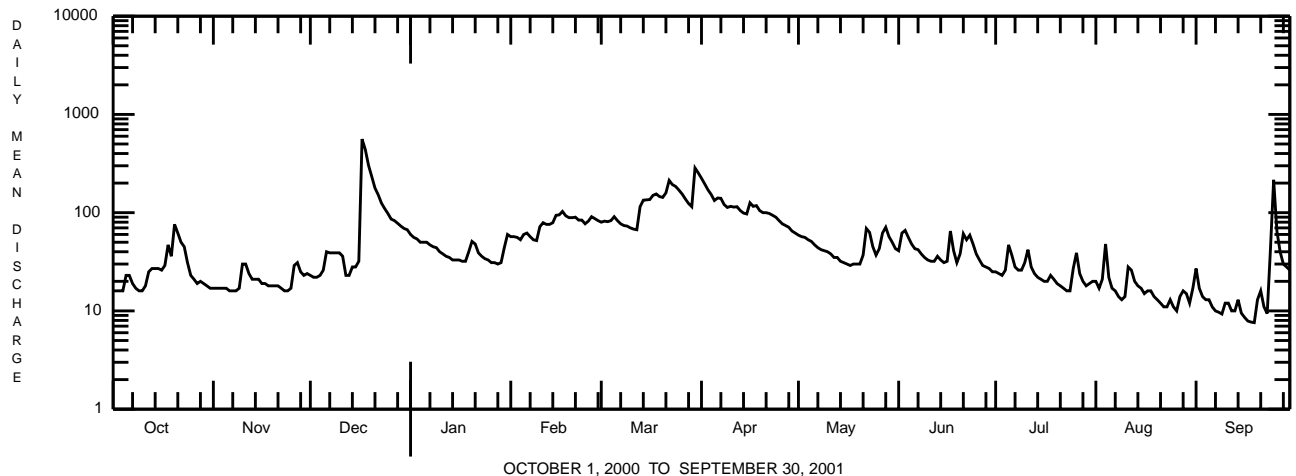
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	73.0	96.5	101	78.7	103	188	143	112	74.4	57.0	33.7	37.7
MAX	227	308	241	266	344	410	227	208	209	185	81.5	152
(WY)	1928	1927	1928	1924	1925	1920	1928	1924	1922	1928	1927	1924
MIN	6.67	6.74	7.99	13.3	25.7	88.5	72.6	32.8	27.3	14.5	10.3	6.66
(WY)	1931	1931	1931	1931	1931	1931	1926	1926	1921	1923	1923	1932

SUMMARY STATISTICS WATER YEARS 1920 - 1932

ANNUAL TOTAL ANNUAL MEAN	91.5	
HIGHEST ANNUAL MEAN	145	1928
LOWEST ANNUAL MEAN	42.3	1931
HIGHEST DAILY MEAN	3600	Sep 30 1924
LOWEST DAILY MEAN	3.0	Dec 23 1930
ANNUAL SEVEN DAY MINIMUM	3.8	Dec 14 1930
INSTANTANEOUS PEAK FLOW	5000	Sep 30 1924
INSTANTANEOUS LOW FLOW	1.8	Dec 18 1931
ANNUAL RUNOFF (CFSM)	2.13	
ANNUAL RUNOFF (INCHES)	28.97	
10 PERCENT EXCEEDS	201	
50 PERCENT EXCEEDS	54	
90 PERCENT EXCEEDS	12	

^a Also, Oct. 1-4, 9, 10, Nov. 6-8, 23(estimated), 24(estimated).

^b From rating curve extended above 3,200 ft³/s on basis of contracted-opening measurement of peak flow.



OCTOBER 1, 2000 TO SEPTEMBER 30, 2001