

## 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 mi<sup>2</sup>.

**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.

**GAUGE.**--Water-stage recorder and broad-crested weir. Datum of gage is 817.48 ft above National Geodetic Vertical Datum of 1929. 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 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e23	10	63	e38	53	31	162	127	68	30	11	12
2	e20	10	47	e36	55	30	127	159	59	27	11	12
3	e18	10	37	e34	50	86	114	135	53	26	12	8.7
4	17	10	36	33	51	66	104	116	49	e24	10	7.7
5	16	10	34	32	49	51	93	136	48	e23	9.5	6.8
6	17	9.4	35	33	47	49	87	135	70	22	9.1	6.5
7	16	9.2	31	43	47	48	82	123	98	21	8.4	6.2
8	14	9.2	33	37	46	47	77	111	66	20	8.3	5.9
9	13	9.1	51	33	44	50	76	136	53	19	7.9	5.8
10	13	8.7	43	32	45	112	84	124	47	19	7.9	5.6
11	13	8.7	38	37	74	85	82	101	41	19	7.7	5.3
12	13	8.4	34	38	59	80	91	107	47	17	7.1	5.1
13	13	8.4	34	36	53	79	92	151	53	17	7.1	5.2
14	14	8.5	37	33	48	78	97	206	64	17	6.9	5.1
15	29	9.3	41	31	48	76	158	167	67	17	8.3	16
16	20	8.9	35	30	48	74	155	153	59	16	9.4	59
17	24	8.5	36	30	48	68	148	142	49	15	7.7	22
18	18	8.3	69	29	47	78	142	297	48	15	7.2	19
19	16	8.3	61	28	44	80	130	260	53	16	6.8	59
20	15	10	56	31	44	105	118	237	56	17	6.5	57
21	15	9.3	52	30	46	141	111	201	45	16	6.2	58
22	14	8.6	51	29	43	134	108	160	40	15	6.0	59
23	14	8.3	58	27	40	127	95	137	37	e14	6.4	68
24	14	8.5	69	32	38	120	76	122	36	e16	10	63
25	13	43	63	44	36	111	75	109	37	e18	9.0	61
26	12	e88	57	40	35	134	68	99	33	15	6.9	62
27	11	e90	52	38	36	332	63	93	39	15	6.7	127
28	10	e80	49	38	33	259	120	87	57	15	6.3	147
29	10	e74	46	40	---	219	173	91	39	14	11	54
30	10	69	41	44	---	179	135	79	33	14	8.8	36
31	10	---	e40	46	---	154	---	72	---	12	7.3	---
TOTAL	475	661.6	1429	1082	1307	3283	3243	4373	1544	561	254.4	1064.9
MEAN	15.32	22.05	46.10	34.90	46.68	105.9	108.1	141.1	51.47	18.10	8.206	35.50
MAX	29	90	69	46	74	332	173	297	98	30	12	147
MIN	10	8.3	31	27	33	30	63	72	33	12	6.0	5.1
(†)	3.0	2.9	2.8	3.0	3.2	3.2	3.4	3.8	4.0	4.1	4.1	4.3

† 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 - 2002, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	49.17	80.40	102.2	89.45	94.61	141.0	141.4	107.2	64.66	49.79	38.47	43.07
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 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 1933 - 2002

ANNUAL TOTAL		18058.3		19277.9								
ANNUAL MEAN		49.5		52.8						83.4		
HIGHEST ANNUAL MEAN										155		1952
LOWEST ANNUAL MEAN										33.8		1965
HIGHEST DAILY MEAN				285	Mar 30		332	Mar 27		2790	Aug 24	1933
LOWEST DAILY MEAN				7.6	Sep 19		5.1	Sep 12,14		2.9	Sep 2	1966
ANNUAL SEVEN-DAY MINIMUM				8.6	Nov 13		5.4	Sep 8		3.5	Aug 27	1966
MAXIMUM PEAK FLOW							423	Mar 27		a7790	Aug 18	1955
MAXIMUM PEAK STAGE							3.56	Mar 27		11.10	Aug 18	1955
INSTANTANEOUS LOW FLOW										2.6	Sep 2	1966
10 PERCENT EXCEEDS				105			127			176		
50 PERCENT EXCEEDS				36			38			51		
90 PERCENT EXCEEDS				10			8.5			13		

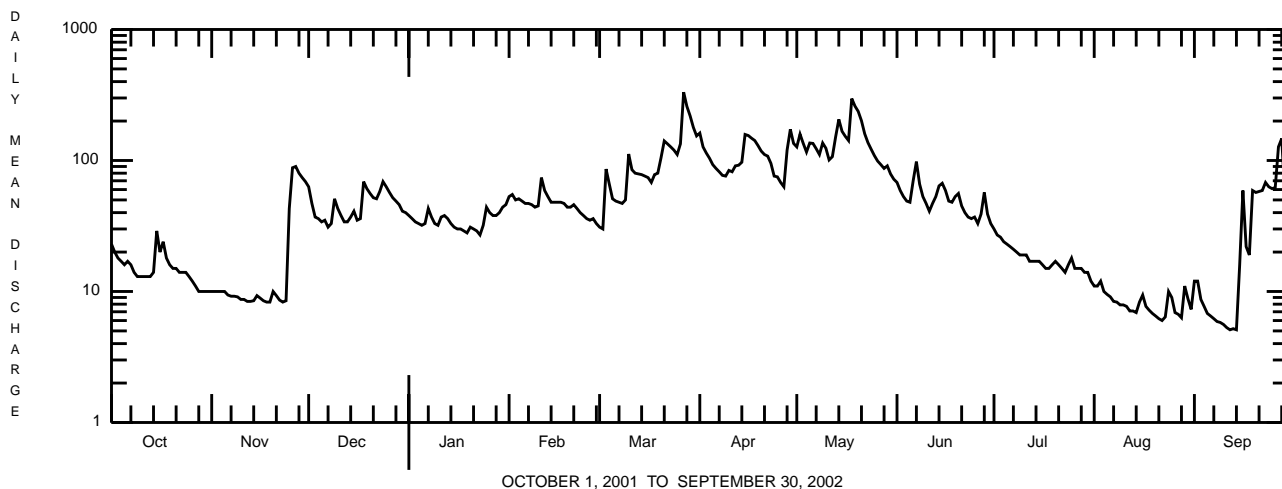
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 1932, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	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
MAXIMUM 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 From rating curve extended above 3,200 ft<sup>3</sup>/s on basis of contracted-opening measurement of peak flow.



OCTOBER 1, 2001 TO SEPTEMBER 30, 2002