

## 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 and landline 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 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	73	88	129	41	69	222	77	723	99	69	57
2	25	69	79	222	41	83	213	77	519	88	67	60
3	22	65	72	205	40	91	187	76	364	80	73	75
4	20	62	64	189	62	76	168	73	379	72	348	79
5	23	60	67	158	65	76	167	71	299	66	432	63
6	20	78	66	147	49	87	148	68	246	61	455	55
7	19	70	58	137	49	e78	141	54	281	69	370	49
8	17	63	56	127	44	77	134	62	307	72	283	46
9	17	63	52	125	41	79	128	55	259	59	231	44
10	18	63	e46	123	40	78	131	51	221	52	191	42
11	115	65	102	110	38	e70	194	50	184	63	232	40
12	164	77	280	98	36	72	236	49	166	54	258	39
13	108	94	207	92	36	82	222	46	204	45	191	43
14	84	81	321	86	e32	104	204	e42	169	40	157	57
15	69	78	322	83	33	105	184	e38	153	36	134	61
16	138	84	277	76	31	162	164	39	131	34	122	76
17	160	138	219	76	e50	311	148	44	118	31	121	59
18	125	169	173	e62	e48	465	135	41	148	34	101	50
19	106	159	150	66	42	504	127	38	127	53	85	90
20	93	146	247	66	37	510	117	36	218	38	73	92
21	80	133	234	58	34	769	106	40	840	64	70	79
22	70	141	208	54	55	660	101	38	640	139	67	74
23	63	135	185	49	104	514	93	36	471	168	63	420
24	56	115	160	51	101	406	86	47	355	268	56	328
25	54	111	171	51	87	300	82	52	255	141	51	241
26	105	111	153	49	79	259	94	90	207	104	48	189
27	82	113	123	44	75	238	95	93	165	89	47	166
28	71	104	109	42	71	188	84	99	136	96	44	199
29	67	97	100	46	---	209	80	98	117	79	47	154
30	72	93	92	42	---	253	78	90	108	74	65	131
31	74	---	88	40	---	231	---	115	---	67	56	---
TOTAL	2166	2910	4569	2903	1461	7206	4269	1885	8510	2435	4607	3158
MEAN	69.9	97.0	147	93.6	52.2	232	142	60.8	284	78.5	149	105
MAX	164	169	322	222	104	769	236	115	840	268	455	420
MIN	17	60	46	40	31	69	78	36	108	31	44	39
(†)	4.4	4.6	4.8	4.3	4.8	4.3	4.7	4.7	4.7	4.3	5.0	5.0

† 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 - 2003, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	49.5	80.6	103	89.5	94.0	142	141	107	67.7	50.2	40.0	43.9
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 2002 CALENDAR YEAR FOR 2003 WATER YEAR WATER YEARS 1933 - 2003

ANNUAL TOTAL	26357.3	46079	
ANNUAL MEAN	72.2	126	84.0
HIGHEST ANNUAL MEAN			155 1952
LOWEST ANNUAL MEAN			33.8 1965
HIGHEST DAILY MEAN	332 Mar 27	840 Jun 21	2790 Aug 24 1933
LOWEST DAILY MEAN	5.1 Sep 12,14	17 Oct 8,9	2.9 Sep 2 1966
ANNUAL SEVEN-DAY MINIMUM	5.4 Sep 8	19 Oct 4	3.5 Aug 27 1966
MAXIMUM PEAK FLOW		942 Jun 21	a7790 Aug 18 1955
MAXIMUM PEAK STAGE		4.73 Jun 21	11.10 Aug 18 1955
INSTANTANEOUS LOW FLOW			2.6 Sep 2 1966
10 PERCENT EXCEEDS	152	254	176
50 PERCENT EXCEEDS	57	84	51
90 PERCENT EXCEEDS	9.5	41	13

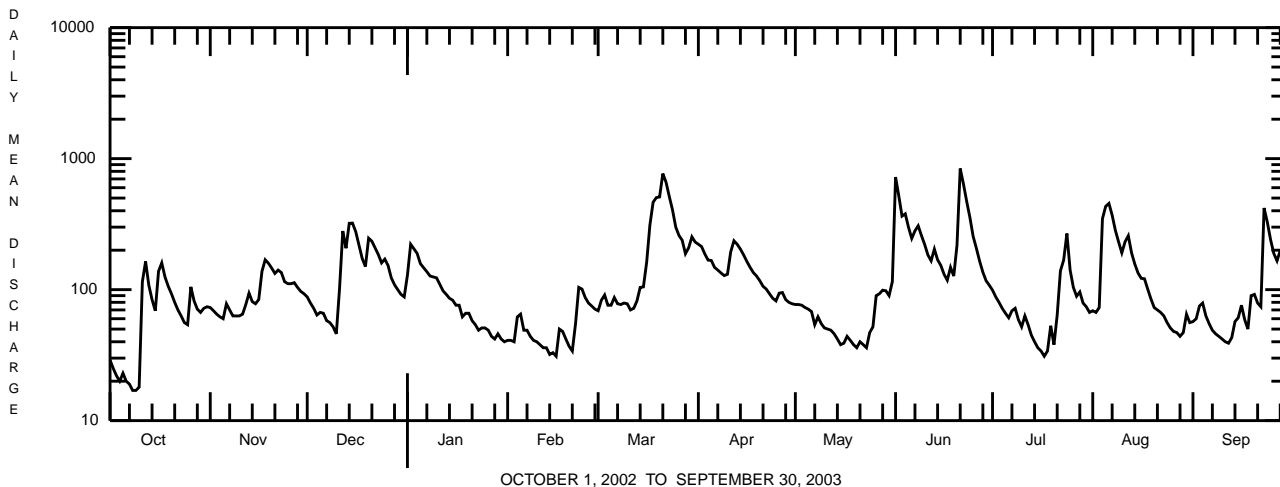
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 1932, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	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, 2002 TO SEPTEMBER 30, 2003