2004 Water Year

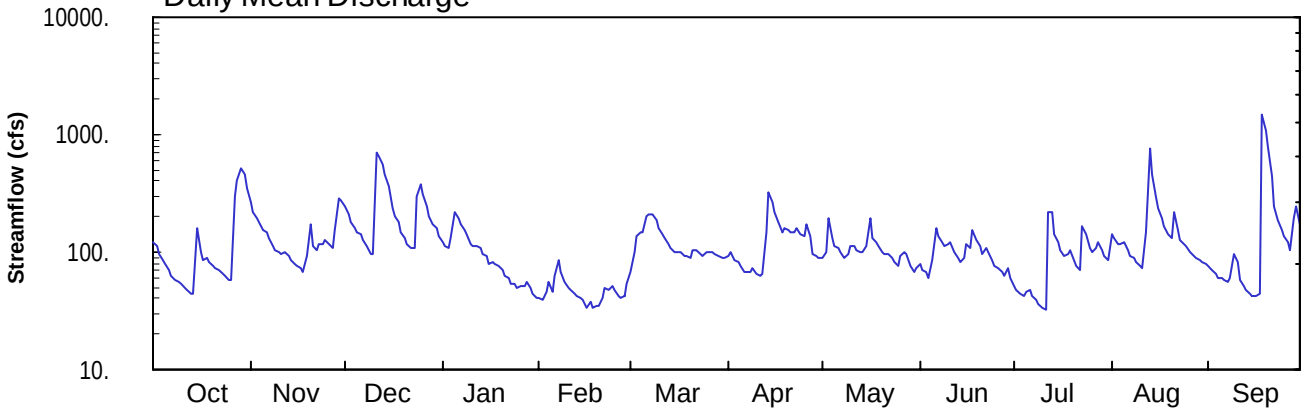
SCHUYLKILL RIVER BASIN

01469500 Little Schuylkill River at Tamaqua, PA

Latitude: 40°48'25" Longitude: 075°58'20" Hydrologic Unit Code: 02040203

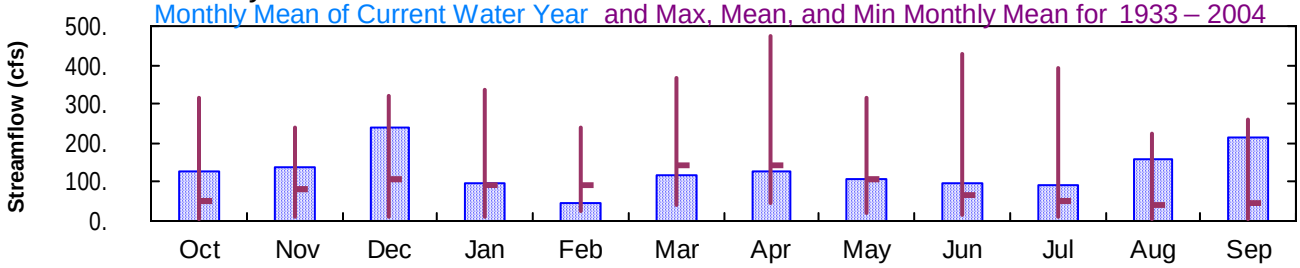
Schuylkill County Datum: 817.48 feet Drainage Area: 42.9 mi²

Daily Mean Discharge

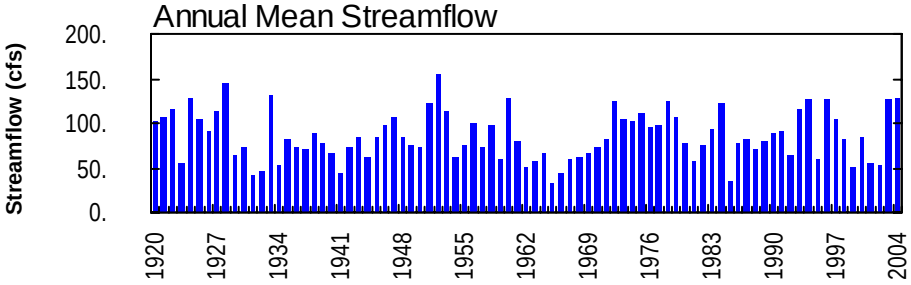


Monthly Statistics

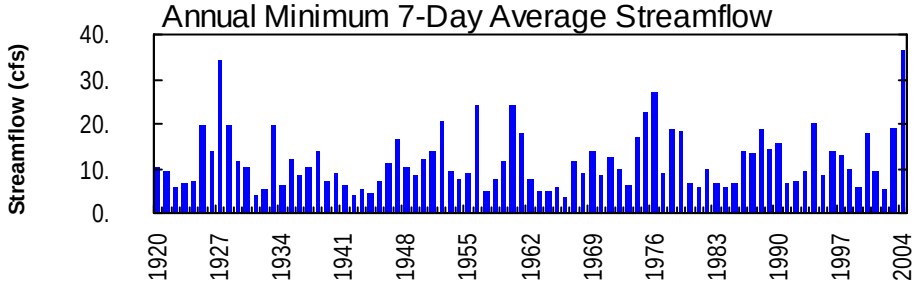
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1933 – 2004



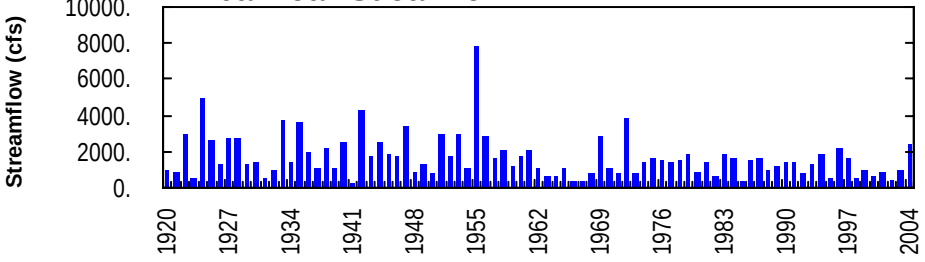
Annual Mean Streamflow



Annual Minimum 7-Day Average Streamflow



Annual Peak Streamflow



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^2.

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 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121	270	249	122	40	67	92	90	80	51	142	75
2	114	218	213	112	39	98	100	100	70	47	132	71
3	97	193	181	107	45	137	87	192	66	44	117	64
4	84	180	160	131	55	145	82	131	61	42	116	59
5	80	151	149	217	47	150	76	112	86	46	123	61
6	69	146	143	192	63	200	69	106	162	48	103	59
7	63	134	128	170	86	212	67	101	139	42	93	57
8	59	115	112	154	68	211	69	89	124	39	87	60
9	55	104	94	142	55	183	74	96	111	36	81	94
10	53	99	96	119	50	158	66	110	118	34	76	83
11	50	96	698	111	48	142	63	113	123	33	74	59
12	47	98	640	113	44	130	64	105	99	220	148	51
13	44	93	566	108	43	116	146	100	88	218	771	47
14	44	85	461	98	41	107	323	99	83	140	450	44
15	160	78	357	92	40	101	270	113	88	120	298	43
16	100	76	231	80	e34	100	221	194	116	103	232	42
17	87	72	199	83	38	100	177	130	109	94	196	44
18	87	69	179	80	e33	92	150	120	152	96	163	1490
19	82	93	148	75	35	93	160	111	128	102	142	1090
20	76	176	130	69	35	88	152	100	110	86	133	791
21	73	113	116	64	40	104	147	98	98	76	215	449
22	71	106	109	61	49	102	145	97	110	71	153	245
23	66	115	108	53	48	94	159	89	101	167	127	187
24	62	115	293	54	51	93	144	83	86	141	118	153
25	59	124	384	50	48	99	139	77	77	110	110	135
26	58	115	310	51	43	100	170	92	73	101	101	119
27	302	110	248	51	41	100	136	102	68	110	93	103
28	409	151	203	57	42	97	96	96	63	120	89	192
29	522	289	171	49	53	92	93	75	72	104	84	243
30	465	279	158	44	---	89	90	69	59	91	81	175
31	346	---	138	41	---	87	---	73	---	87	79	---
TOTAL	4005	4063	7372	2950	1354	3687	3827	3263	2920	2819	4927	6385
MEAN	129	135	238	95.2	46.7	119	128	105	97.3	90.9	159	213
MAX	522	289	698	217	86	212	323	194	162	220	771	1490
MIN	44	69	94	41	33	67	63	69	59	33	74	42
(†)	4.6	4.8	4.8	4.7	4.7	4.8	4.9	5.0	5.0	4.8	5.3	5.3

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

01469500 LITTLE SCHUYLKILL RIVER AT TAMAQUA, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2004, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	50.6	81.4	105	89.6	93.3	142	141	107	68.2	50.8	41.7	46.3
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1933 - 2004	
ANNUAL TOTAL	51874		47572			
ANNUAL MEAN	142		130		84.6	
HIGHEST ANNUAL MEAN					155	1952
LOWEST ANNUAL MEAN					33.8	1965
HIGHEST DAILY MEAN	840	Jun 21	1490	Sep 18	2790	Aug 24 1933
LOWEST DAILY MEAN	31	Feb 16	**e**33	Feb 18**a**	2.9	Sep 2 1966
ANNUAL SEVEN-DAY MINIMUM	**b**35	Feb 10	**b**36	Feb 15	3.5	Aug 27 1966
MAXIMUM PEAK FLOW			2370	Sep 18	**c**7790	Aug 18 1955
MAXIMUM PEAK STAGE			6.78	Sep 18	11.10	Aug 18 1955
INSTANTANEOUS LOW FLOW					2.6	Sep 2 1966
10 PERCENT EXCEEDS	299		216		177	
50 PERCENT EXCEEDS	94		100		52	
90 PERCENT EXCEEDS	44		48		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
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 Also July 11 (not estimated).
b Computed using estimated daily discharges.
c From rating curve extended above 3,200 ft^3/s on basis of contracted-opening measurement of peak flow.
e Estimated.