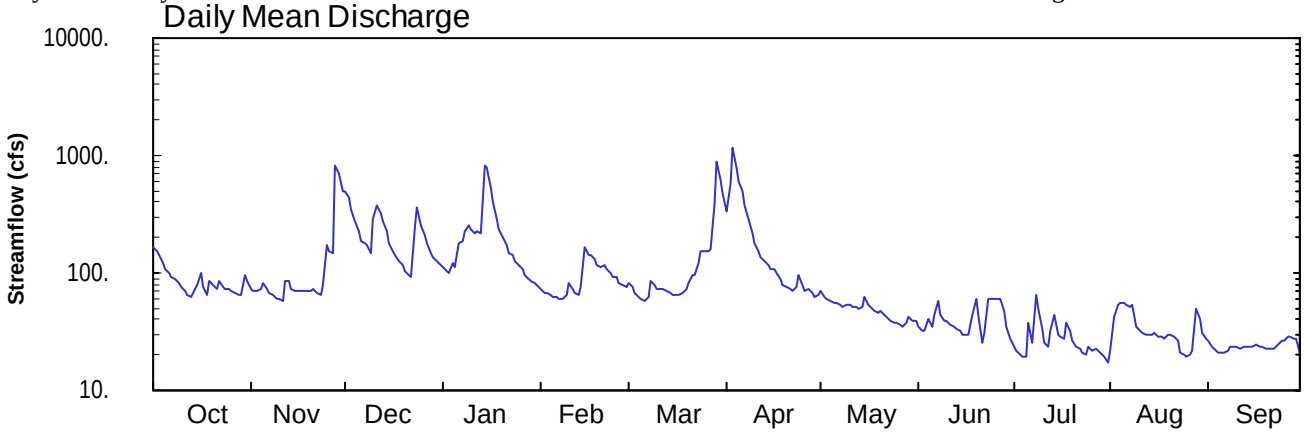
2005 Water Year
SCHUYLKILL RIVER BASIN
01469500 Little Schuylkill River at Tamaqua, PA

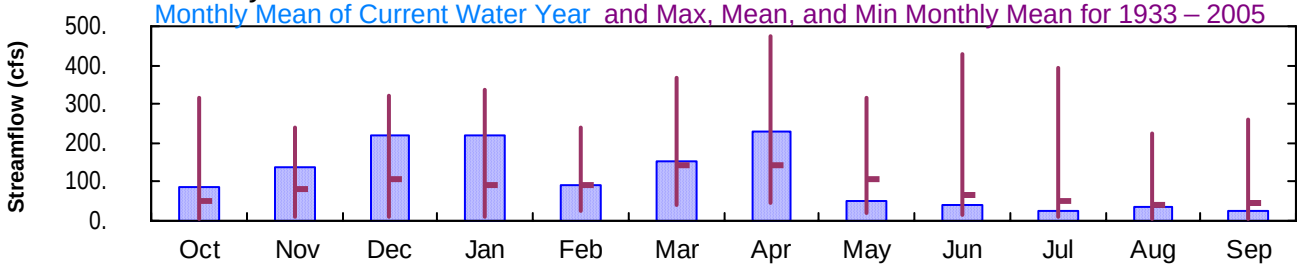
Latitude: 40° 48 ' 25" Longitude: 075° 58 ' 20" Hydrologic Unit Code: 02040203
Schuylkill County Datum: 817.48 feet Drainage Area: 42.9 mi²

Daily Mean Discharge

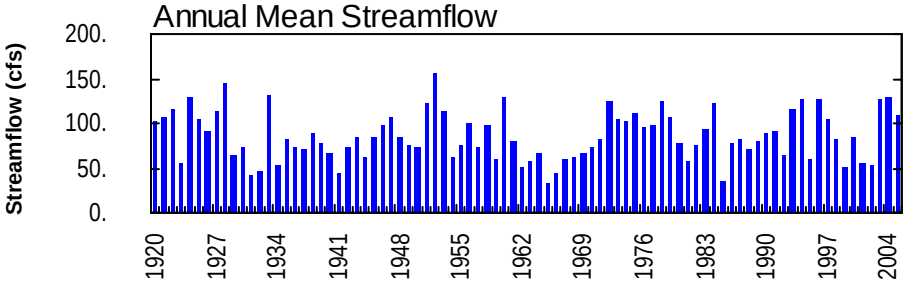


Monthly Statistics

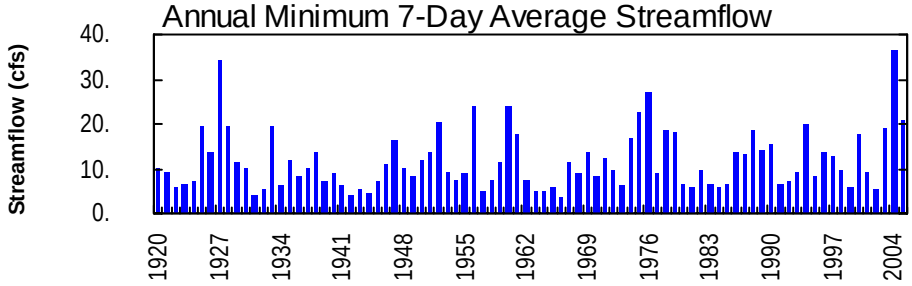
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1933 – 2005



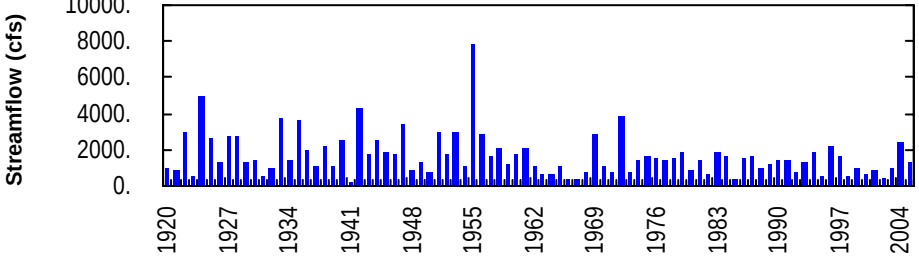
Annual Mean Streamflow



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.--No estimated daily discharges. Records good. 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	74	502	112	72	82	335	70	35	24	22	26
2	152	71	441	102	69	75	582	63	33	22	42	24
3	142	70	344	102	67	67	1150	60	32	20	55	23
4	122	73	277	120	66	62	802	57	41	19	55	21
5	108	83	227	111	64	60	598	56	35	19	55	21
6	99	73	188	177	63	58	497	55	44	37	53	21
7	92	68	181	190	61	62	384	53	58	25	51	22
8	88	65	172	228	61	85	283	52	44	65	53	24
9	82	61	150	256	65	80	217	53	39	49	35	24
10	77	59	289	232	81	74	180	54	40	33	32	23
11	70	58	382	217	74	74	155	53	37	26	31	23
12	65	84	323	224	67	72	138	51	35	24	30	23
13	62	87	273	222	65	70	125	49	33	32	30	24
14	74	73	223	821	76	68	115	51	32	43	29	24
15	79	70	182	782	169	66	109	64	30	30	31	23
16	100	70	156	545	144	65	108	54	30	28	28	25
17	77	70	141	413	140	66	98	50	30	27	28	24
18	64	70	127	291	129	69	88	47	43	37	28	23
19	87	69	118	236	118	74	78	45	61	32	30	23
20	81	71	105	204	111	83	75	48	44	27	30	23
21	74	75	94	172	117	94	73	44	25	24	28	23
22	86	69	92	149	107	96	70	42	31	22	26	23
23	78	64	241	144	101	122	77	39	61	21	21	24
24	73	79	356	126	93	154	96	38	61	20	20	27
25	73	172	257	119	91	151	79	37	61	24	19	27
26	71	154	212	109	83	154	71	37	60	22	20	29
27	68	145	178	97	78	158	73	35	59	22	22	29
28	66	809	149	88	76	386	67	38	48	22	50	27
29	66	716	136	86	---	904	63	42	35	20	40	28
30	96	489	126	83	---	633	66	39	27	19	31	21
31	84	---	119	79	---	467	---	39	---	18	27	---
TOTAL	2721	4191	6761	6837	2508	4731	6852	1515	1244	853	1052	722
MEAN	87.8	140	218	221	89.6	153	228	48.9	41.5	27.5	33.9	24.1
MAX	165	809	502	821	169	904	1150	70	61	65	55	29
MIN	62	58	92	79	61	58	63	35	25	18	19	21
(†)	5.2	5.3	5.2	5.0	5.0	5.5	4.9	5.7	4.8	4.6	4.6	4.8

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

SCHUYLKILL RIVER BASIN

01469500 LITTLE SCHUYLKILL RIVER AT TAMAQUA, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2005, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	51.1	82.2	106	91.4	93.3	142	142	106	67.8	50.4	41.6	46.0
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

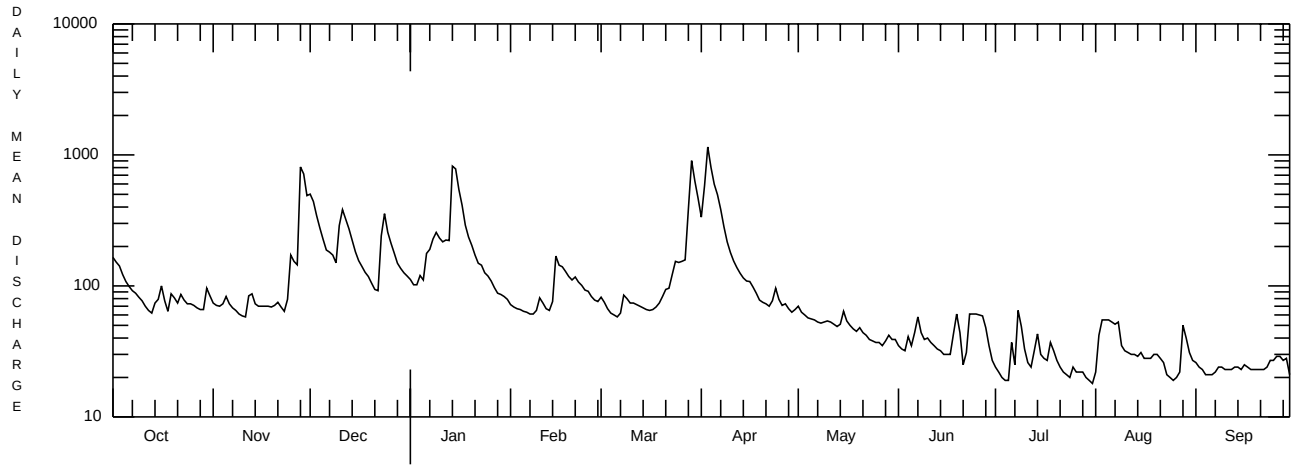
SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1933 - 2005	
ANNUAL TOTAL	45805		39987			
ANNUAL MEAN	125		110		85.0	
HIGHEST ANNUAL MEAN					155	1952
LOWEST ANNUAL MEAN					33.8	1965
HIGHEST DAILY MEAN	1490	Sep 18	1150	Apr 3	2790	Aug 24 1933
LOWEST DAILY MEAN	**e**33	Feb 18**a**	18	Jul 31	2.9	Sep 2 1966
ANNUAL SEVEN-DAY MINIMUM	**b**36	Feb 15	21	Jul 26	3.5	Aug 27 1966
MAXIMUM PEAK FLOW			1280	Apr 3	**c**7790	Aug 18 1955
MAXIMUM PEAK STAGE			5.32	Apr 3	11.10	Aug 18 1955
INSTANTANEOUS LOW FLOW					2.6	Sep 2 1966
10 PERCENT EXCEEDS	203		225		178	
50 PERCENT EXCEEDS	94		68		52	
90 PERCENT EXCEEDS	48		24		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.



OCTOBER 1, 2004 TO SEPTEMBER 30, 2005