



# 2004 Water Year SCHUYLKILL RIVER BASIN

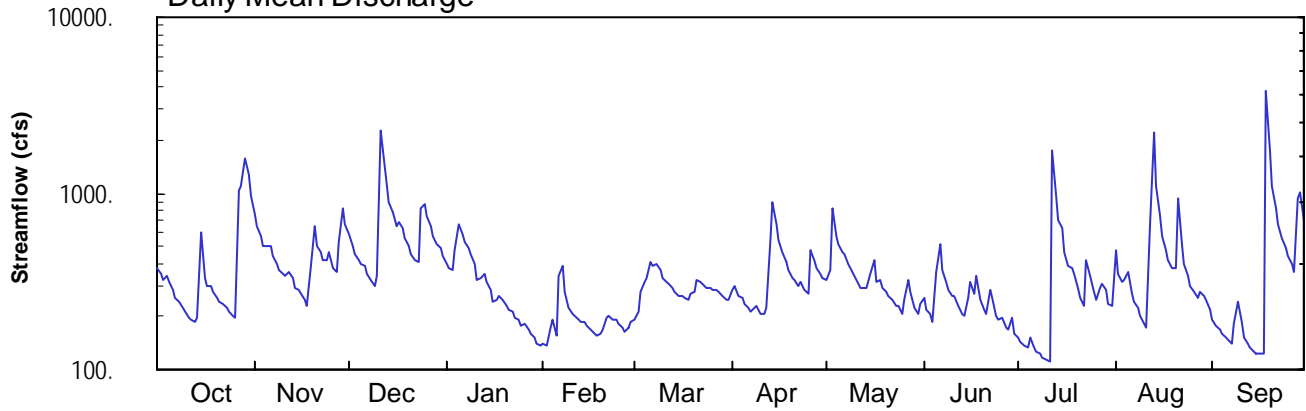
## 01468500 Schuylkill River at Landingville, PA

Latitude: 40° 37' 45"  
Schuylkill County

Longitude: 076° 07' 30"  
Datum: 470.64 feet

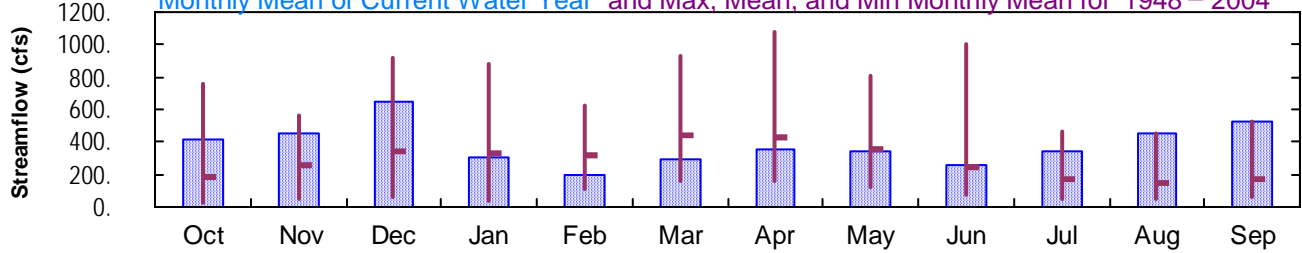
Hydrologic Unit Code: 02040203  
Drainage Area: 133. mi<sup>2</sup>

### Daily Mean Discharge

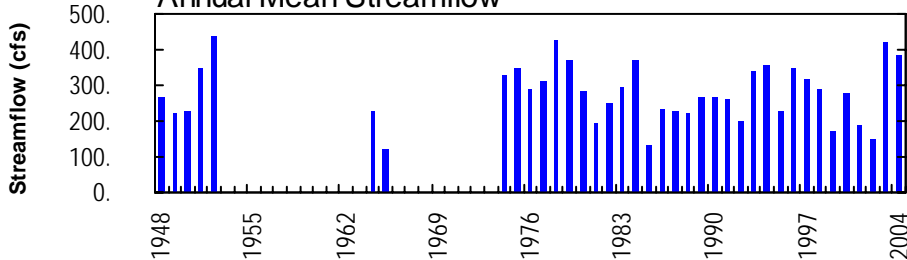


### Monthly Statistics

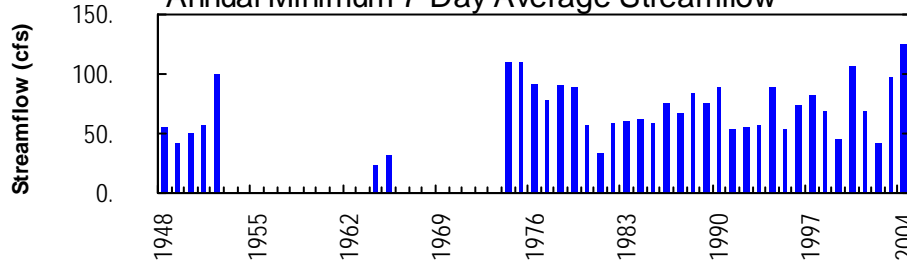
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1948 – 2004



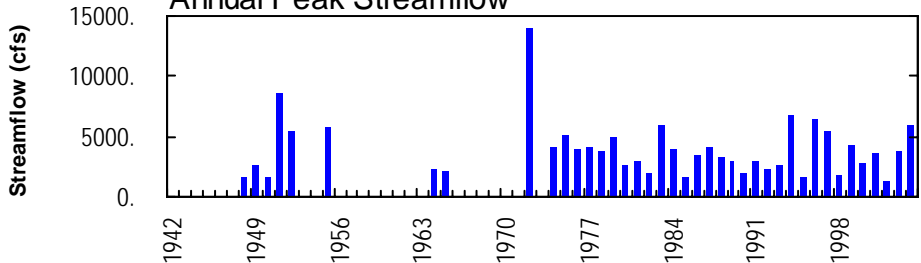
### Annual Mean Streamflow



### Annual Minimum 7-Day Average Streamflow



### Annual Peak Streamflow



**SCHUYLKILL RIVER BASIN**

**01468500 SCHUYLKILL RIVER AT LANDINGVILLE, PA**

**LOCATION.**--Lat 40°37'45", long 76°07'30", Schuylkill County, Hydrologic Unit 02040203, on left bank 10 ft upstream from highway bridge on SR 2011 at Landingville, 0.1 mi upstream from Mahannon Creek, and 5.0 mi downstream from West Branch Schuylkill River.

**DRAINAGE AREA.**--133 mi<sup>2</sup>.

**PERIOD OF RECORD.**--August 1947 to April 1953, October 1963 to September 1965, August 1973 to current year.

**REVISED RECORDS.**--WDR PA-75-1: 1973(P), 1974(P).

**GAGE.**--Water-stage recorder and crest-stage gage. Datum of gage is 470.64 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 27, 1947, nonrecording gage 10 ft downstream at same datum.

**REMARKS.**--Records good except those for estimated daily discharges and those greater than 1,000 ft<sup>3</sup>/s, which are fair. Several measurements of water temperature were made during the year. Satellite and landline telemetry at station.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--Flood in June 1972 reached a stage of 17.36 ft, discharge, about 14,000 ft<sup>3</sup>/s.

**PEAK DISCHARGES FOR CURRENT YEAR.**--Peak discharges greater than base discharge of 1,300 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)	Date	Time	Discharge ft <sup>3</sup> /s	Gage Height (ft)
Oct. 27	1700	1,850	6.95	Aug. 13	0500	3,560	10.94
Oct. 29	1030	2,100	7.37	Aug. 21	0600	1,480	6.58
Dec. 11	1330	3,350	9.90	Sept. 18	1300	*6,000	*13.85
July 12	1500	3,160	10.24	Sept. 28	1900	1,790	7.30

**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	381	771	592	396	e140	193	281	319	254	152	473	191
2	351	653	508	372	e135	215	302	370	220	144	345	177
3	323	572	447	368	173	279	262	826	205	138	313	168
4	342	503	413	474	192	315	252	573	185	134	324	159
5	314	508	399	674	156	328	235	516	353	152	357	152
6	280	504	391	587	336	404	223	459	520	133	272	148
7	257	446	352	531	382	387	215	458	367	128	242	139
8	240	398	324	486	273	399	227	394	316	125	222	180
9	224	368	295	447	223	363	233	359	287	117	202	240
10	214	349	336	394	210	335	209	338	263	113	183	189
11	199	337	2280	e320	202	317	205	309	262	111	173	150
12	192	356	1740	e330	192	306	226	289	232	1770	651	139
13	187	327	1120	344	187	288	545	292	210	968	2240	133
14	195	289	901	318	185	277	880	288	201	711	1080	126
15	604	280	781	e280	177	261	664	347	e256	630	752	124
16	329	268	650	e240	167	259	538	413	318	470	579	123
17	296	251	690	e250	159	258	462	311	270	383	476	125
18	301	231	627	e260	155	251	405	319	342	377	420	3820
19	274	387	550	250	159	266	367	292	251	351	378	1770
20	253	647	498	232	167	272	335	277	221	291	377	1090
21	244	498	452	218	198	326	320	263	206	253	946	825
22	238	459	417	211	202	316	296	248	283	229	520	661
23	225	420	408	198	189	299	312	231	254	418	393	560
24	212	416	830	190	191	290	281	231	203	341	336	492
25	204	460	865	e175	180	289	267	208	190	274	300	439
26	198	378	742	e180	173	286	475	249	195	251	274	396
27	1030	358	644	e170	164	284	417	324	175	290	258	360
28	1090	526	570	e160	175	273	380	275	167	307	278	940
29	1580	817	509	e150	185	260	351	222	198	280	262	1000
30	1270	671	492	e140	---	251	334	208	160	238	249	698
31	956	---	437	e135	---	249	---	237	---	229	218	---
TOTAL	13003	13448	20260	9480	5627	9096	10499	10445	7564	10508	14093	15714
MEAN	419	448	654	306	194	293	350	337	252	339	455	524
MAX	1580	817	2280	674	382	404	880	826	520	1770	2240	3820
MIN	187	231	295	135	135	193	205	208	160	111	173	123
CFSM	3.15	3.37	4.91	2.30	1.46	2.21	2.63	2.53	1.90	2.55	3.42	3.94
IN.	3.64	3.76	5.67	2.65	1.57	2.54	2.94	2.92	2.12	2.94	3.94	4.40

**STATISTICS OF MONTHLY MEAN DATA FOR PERIOD OF DAILY RECORD, BY WATER YEAR (WY)**

MEAN	181	261	346	327	313	439	426	352	247	175	145	167
MAX	760	569	918	887	620	929	1079	811	1002	471	455	524
(WY)	1977	1952	1997	1979	1981	1977	1993	1989	2003	1984	2004	2004
MIN	28.5	52.5	59.7	41.2	113	164	157	127	77.1	54.2	51.4	55.6
(WY)	1964	1965	1999	1981	2002	1985	1985	1965	1965	1965	2002	1964

e Estimated.

**SCHUYLKILL RIVER BASIN**

**01468500 SCHUYLKILL RIVER AT LANDINGVILLE, PA--Continued**

<b>SUMMARY STATISTICS</b>	<b>FOR 2003 CALENDAR YEAR</b>		<b>FOR 2004 WATER YEAR</b>		<b>FOR PERIOD OF DAILY RECORD</b>	
ANNUAL TOTAL	170328		139737			
ANNUAL MEAN	467		382		279	
HIGHEST ANNUAL MEAN					441	
LOWEST ANNUAL MEAN					122	
HIGHEST DAILY MEAN	2900	Jun 1	3820	Sep 18	4660	Apr 16 1983
LOWEST DAILY MEAN	<b>e</b> 105	Feb 17	111	Jul 11	21	Nov 4 1963
ANNUAL SEVEN-DAY MINIMUM	<b>a</b> 116	Feb 14	126	Jul 5	23	Oct 25 1963
MAXIMUM PEAK FLOW			<b>b</b> 6000	Sep 18	<b>bc</b> 8570	Nov 25 1950
MAXIMUM PEAK STAGE			13.85	Sep 18	13.85	Sep 18 2004
INSTANTANEOUS LOW FLOW			108	Jul 11,12	19	Oct 30 1963
ANNUAL RUNOFF (CFSM)	3.51		2.87		2.10	
ANNUAL RUNOFF (INCHES)	47.64		39.08		28.52	
10 PERCENT EXCEEDS	852		655		552	
50 PERCENT EXCEEDS	363		290		196	
90 PERCENT EXCEEDS	171		167		75	

- a** Computed using estimated daily discharges.
- b** From rating curve extended above 5,000 ft<sup>3</sup>/s.
- c** Gage height, 13.29 ft.
- e** Estimated.