

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 mi².

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 sea level. Prior to Aug. 27, 1947, nonrecording gage 10 ft downstream at same datum.

REMARKS.--Records good except those for estimated daily discharges, 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 ft³/s.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Jan. 18	----	Unknown	Ice jam	July 30	1130	2,360	7.76
Mar. 22	0400	*2,810	*8.41	Aug. 1	2230	2,120	7.39
June 26	0100	1,880	6.99				

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	508	107	241	161	e120	637	520	235	314	348	852	267
2	371	189	224	157	e115	552	475	233	282	312	912	204
3	296	271	213	159	e110	472	441	224	254	290	597	168
4	e490	164	206	183	e115	415	582	211	234	285	525	153
5	381	148	193	185	e110	374	460	202	223	257	385	136
6	292	138	240	152	e110	340	419	196	406	235	360	121
7	252	136	203	142	e110	311	386	190	278	217	345	117
8	226	135	177	136	e105	292	427	183	226	201	275	112
9	210	137	168	138	e105	280	652	176	204	191	246	112
10	379	135	182	305	e105	263	560	423	189	194	224	110
11	318	130	173	340	e110	337	544	375	179	177	206	109
12	260	126	162	262	e110	505	509	287	263	167	196	105
13	240	126	166	245	105	382	460	362	268	161	204	229
14	253	121	374	217	281	358	432	402	251	154	189	124
15	214	117	511	203	242	342	403	303	217	256	175	154
16	207	114	427	e190	e200	329	383	265	217	203	163	112
17	199	111	374	e180	e190	524	410	242	187	159	151	107
18	213	109	342	e170	e200	403	394	235	203	146	149	104
19	180	109	312	e160	e185	385	347	387	189	142	142	207
20	196	109	325	e170	e175	371	329	405	172	138	132	194
21	170	112	330	e160	e170	868	360	359	204	134	130	136
22	157	106	281	e150	e160	2230	359	439	390	156	129	123
23	162	105	255	e140	e180	1310	337	522	229	130	143	121
24	153	111	239	e155	e220	918	313	794	202	126	152	121
25	144	173	218	e150	314	753	298	790	324	121	130	117
26	135	226	214	e140	463	644	286	644	949	115	118	166
27	127	541	209	e130	494	592	293	556	544	119	112	132
28	123	359	202	e120	942	971	283	486	427	116	146	113
29	118	303	192	e120	751	720	264	428	453	111	119	110
30	111	270	181	e110	---	642	249	375	443	603	114	111
31	108	---	175	e130	---	577	---	340	---	483	112	---
TOTAL	7193	5038	7709	5360	6597	18097	12175	11269	8921	6447	7833	4195
MEAN	232	168	249	173	227	584	406	364	297	208	253	140
MAX	508	541	511	340	942	2230	652	794	949	603	912	267
MIN	108	105	162	110	105	263	249	176	172	111	112	104
CFSM	1.74	1.26	1.87	1.30	1.71	4.39	3.05	2.73	2.24	1.56	1.90	1.05
IN.	2.01	1.41	2.16	1.50	1.85	5.06	3.41	3.15	2.50	1.80	2.19	1.17

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

MEAN	178	264	341	337	327	443	434	359	230	171	134	155
MAX	760	569	918	887	620	929	1079	811	562	471	253	475
(WY)	1977	1952	1997	1979	1981	1977	1993	1989	1982	1984	2000	1975
MIN	28.5	52.5	59.7	41.2	124	164	157	127	77.1	54.2	57.2	55.6
(WY)	1964	1965	1999	1981	1980	1985	1985	1965	1965	1965	1949	1964

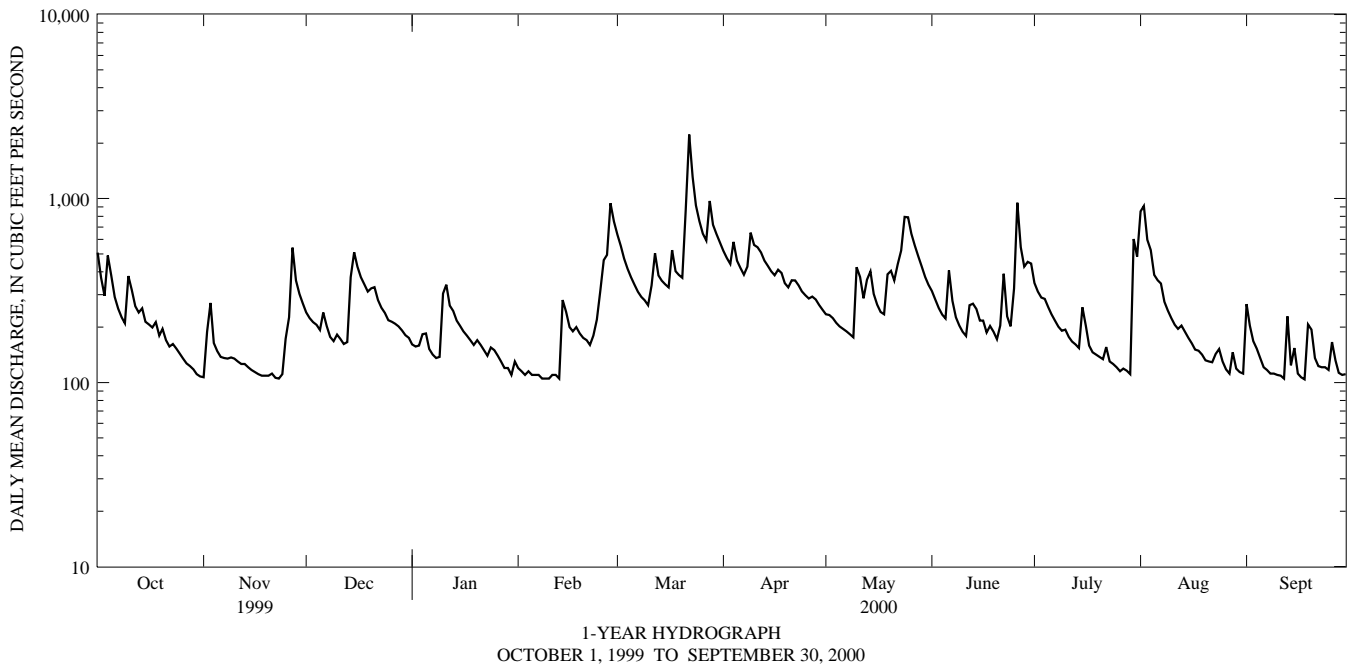
e Estimated.

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01468500 SCHUYLKILL RIVER AT LANDINGVILLE, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	74941		100834			
ANNUAL MEAN	205		276		278	
HIGHEST ANNUAL MEAN					441	
LOWEST ANNUAL MEAN					122	
HIGHEST DAILY MEAN	1850	Jan 24	2230	Mar 22	4660	Apr 16 1983
LOWEST DAILY MEAN	e40	Jan 2	104	Sep 18	21	Nov 4 1963
ANNUAL SEVEN-DAY MINIMUM	55	Aug 1	a107	Feb 7	23	Oct 25 1963
INSTANTANEOUS PEAK FLOW			2810	Mar 22	bc8570	Nov 25 1950
INSTANTANEOUS PEAK STAGE			8.41	Mar 22	13.60	Apr 16 1983
INSTANTANEOUS LOW FLOW			96	Sep 19	19	Oct 30 1963
ANNUAL RUNOFF (CFSM)	1.54		2.07		2.09	
ANNUAL RUNOFF (INCHES)	20.96		28.20		28.43	
10 PERCENT EXCEEDS	366		508		559	
50 PERCENT EXCEEDS	166		208		195	
90 PERCENT EXCEEDS	65		114		75	

- a Computed using estimated daily discharges.
- b From rating curve extended above 5,000 ft³/s.
- c Gage height, 13.29 ft.
- e Estimated.



1-YEAR HYDROGRAPH
OCTOBER 1, 1999 TO SEPTEMBER 30, 2000