

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 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. 3	----	Unknown	Ice jam	Sept. 7	0700	1,450	6.25
Jan. 18	----	Unknown	Ice jam	Sept. 16	2130	*4,360	*10.54
Jan. 24	1300	2,570	8.07	Sept. 30	0700	1,630	6.58
Aug. 14	0200	1,400	6.16				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	66	66	e43	327	220	256	165	103	84	53	57
2	61	67	71	e40	567	190	245	161	106	82	53	58
3	61	71	69	e90	482	185	229	158	105	77	57	58
4	95	76	68	e240	437	456	219	161	100	72	57	58
5	71	75	66	e160	398	344	209	157	95	73	55	61
6	67	74	62	e100	365	344	201	150	91	72	55	190
7	65	72	65	e78	343	325	195	148	91	68	53	541
8	195	71	71	e70	345	281	185	161	104	68	65	170
9	152	72	65	e66	308	266	244	147	92	71	56	119
10	332	74	64	e350	287	259	277	136	91	93	57	100
11	166	92	62	e250	272	241	256	134	91	75	55	87
12	129	65	61	e200	284	219	259	128	88	71	56	79
13	110	67	59	e120	299	211	236	124	86	71	71	77
14	175	63	60	e110	259	212	226	123	122	70	442	77
15	124	60	61	e120	248	236	223	114	117	68	119	86
16	110	63	60	e140	239	225	234	110	89	68	84	1570
17	93	62	64	e120	248	231	222	111	133	66	76	1250
18	90	60	64	e450	255	248	206	113	177	68	72	503
19	85	65	60	e500	233	236	199	121	101	64	69	330
20	80	67	57	356	216	227	212	110	94	75	75	254
21	80	63	59	305	205	288	195	106	92	68	70	286
22	76	60	67	358	191	645	206	103	92	71	64	321
23	81	63	59	488	184	519	217	137	90	66	62	229
24	76	63	52	1850	181	470	214	241	88	63	63	194
25	73	65	e52	1320	177	416	190	162	85	59	63	172
26	72	161	e50	835	172	367	186	129	82	59	65	149
27	74	88	e50	648	167	338	183	120	80	59	71	141
28	77	72	e48	553	227	327	181	117	99	58	60	142
29	74	69	e47	474	---	298	176	109	107	58	57	139
30	73	70	e46	405	---	270	172	104	84	58	56	950
31	68	---	e45	361	---	253	---	102	---	56	58	---
TOTAL	3146	2156	1850	11200	7916	9347	6453	4162	2975	2131	2369	8448
MEAN	101	71.9	59.7	361	283	302	215	134	99.2	68.7	76.4	282
MAX	332	161	71	1850	567	645	277	241	177	93	442	1570
MIN	61	60	45	40	167	185	172	102	80	56	53	57
CFSM	.76	.54	.45	2.72	2.13	2.27	1.62	1.01	.75	.52	.57	2.12
IN.	.88	.60	.52	3.13	2.21	2.61	1.80	1.16	.83	.60	.66	2.36

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

MEAN	176	267	344	342	330	439	434	359	228	170	130	155
MAX	760	569	918	887	620	929	1079	811	562	471	248	475
(WY)	1977	1952	1997	1979	1981	1977	1993	1989	1982	1984	1994	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

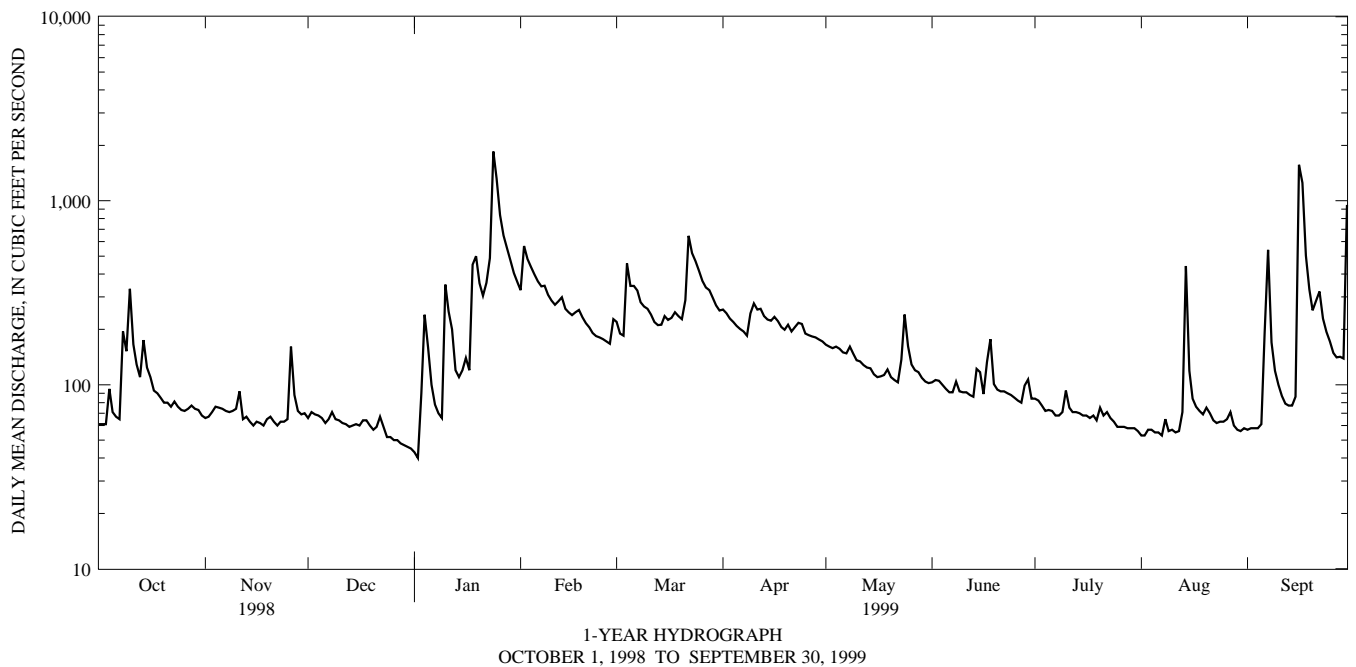
e Estimated.

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01468500 SCHUYLKILL RIVER AT LANDINGVILLE, PA--Continued

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	100306		62153			
ANNUAL MEAN	275		170		278	
HIGHEST ANNUAL MEAN					441	1952
LOWEST ANNUAL MEAN					122	1965
HIGHEST DAILY MEAN	1550	May 12	1850	Jan 24	4660	Apr 16 1983
LOWEST DAILY MEAN	e45	Dec 31	e40	Jan 2	21	Nov 4 1963
ANNUAL SEVEN-DAY MINIMUM	a48	Dec 25	a46	Dec 27	23	Oct 25 1963
INSTANTANEOUS PEAK FLOW			4360	Sep 16	bc8570	Nov 25 1950
INSTANTANEOUS PEAK STAGE			10.54	Sep 16	13.60	Apr 16 1983
INSTANTANEOUS LOW FLOW			e40	Jan 2	19	Oct 30 1963
ANNUAL RUNOFF (CFSM)	2.07		1.28		2.09	
ANNUAL RUNOFF (INCHES)	28.06		17.38		28.43	
10 PERCENT EXCEEDS	590		334		560	
50 PERCENT EXCEEDS	178		103		195	
90 PERCENT EXCEEDS	65		59		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, 1998 TO SEPTEMBER 30, 1999