

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.--No estimated daily discharges. Records good. 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)
Dec. 17	1230	*3,620	*9.57	Sept. 25	0030	1,400	6.17

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	101	112	201	206	243	527	215	126	162	93	106
2	107	94	106	192	217	246	474	206	189	147	88	67
3	102	91	102	185	212	241	424	201	215	125	89	67
4	144	90	101	181	205	247	394	191	163	181	102	139
5	165	87	98	174	216	262	354	184	144	213	121	109
6	119	92	97	163	209	238	431	180	136	154	95	82
7	113	96	96	159	205	238	409	171	133	131	86	78
8	106	94	98	156	200	242	364	160	125	131	86	68
9	105	95	97	149	190	245	357	156	121	181	86	66
10	104	196	94	139	253	238	350	149	123	136	91	75
11	98	134	94	136	262	236	364	142	123	124	106	69
12	87	114	105	138	250	233	353	138	121	112	100	62
13	93	107	99	136	244	426	333	134	118	108	93	61
14	89	103	161	135	249	394	316	130	115	103	91	91
15	87	96	146	135	288	380	309	123	111	100	85	72
16	88	94	189	135	290	389	415	123	139	97	83	70
17	115	91	2400	132	318	425	354	122	316	90	84	68
18	242	97	1320	130	292	415	387	123	161	87	81	67
19	182	97	810	168	284	377	346	122	138	87	83	67
20	142	96	630	204	278	360	334	117	146	87	86	80
21	135	92	508	193	268	395	331	142	211	85	79	78
22	128	87	441	183	247	453	322	239	211	86	78	62
23	118	80	378	174	245	388	308	176	247	83	76	60
24	114	77	351	167	226	372	291	137	206	82	77	124
25	112	82	317	163	271	352	274	127	181	230	70	485
26	111	184	289	160	278	331	261	151	164	287	76	139
27	108	154	276	157	258	311	250	171	152	137	76	108
28	105	122	258	154	249	291	242	195	141	116	76	88
29	103	118	236	149	---	283	235	153	136	109	71	80
30	106	127	218	204	---	740	226	137	132	102	71	76
31	111	---	213	211	---	579	---	126	---	95	91	---
TOTAL	3649	3188	10440	5063	6910	10570	10335	4841	4744	3968	2670	2864
MEAN	118	106	337	163	247	341	344	156	158	128	86.1	95.5
MAX	242	196	2400	211	318	740	527	239	316	287	121	485
MIN	87	77	94	130	190	233	226	117	111	82	70	60
CFSM	.89	.80	2.53	1.23	1.86	2.56	2.59	1.17	1.19	.96	.65	.72
IN.	1.02	.89	2.92	1.42	1.93	2.96	2.89	1.35	1.33	1.11	.75	.80

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

MEAN	176	259	341	332	325	440	431	353	228	170	133	153
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

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SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	98171		69242			
ANNUAL MEAN	268		190		276	
HIGHEST ANNUAL MEAN					441	1952
LOWEST ANNUAL MEAN					122	1965
HIGHEST DAILY MEAN	2400	Dec 17	2400	Dec 17	4660	Apr 16 1983
LOWEST DAILY MEAN	77	Nov 24	60	Sep 23	21	Nov 4 1963
ANNUAL SEVEN-DAY MINIMUM	87	Nov 19	68	Sep 7	23	Oct 25 1963
MAXIMUM PEAK FLOW			3620	Dec 17	ab 8570	Nov 25 1950
MAXIMUM PEAK STAGE			9.57	Dec 17	13.60	Apr 16 1983
INSTANTANEOUS LOW FLOW			59	Sep 12 c	19	Oct 30 1963
ANNUAL RUNOFF (CFSM)	2.02		1.43		2.07	
ANNUAL RUNOFF (INCHES)	27.46		19.37		28.17	
10 PERCENT EXCEEDS	521		352		551	
50 PERCENT EXCEEDS	189		139		194	
90 PERCENT EXCEEDS	102		83		76	

- a** From rating curve extended above 5,000 ft³/s.
- b** Gage height, 13.29 ft.
- c** Also Sept. 13, 22-24.

