

## 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 fair except those for estimated daily discharges, which are poor. 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)
Mar. 21	0100	2,810	8.76	July 21	2200	1,550	6.44
June 1	0600	*3,810	*10.71	July 23	2300	2,150	7.45
June 4	0230	1,700	6.70	Aug. 11	1730	1,330	6.04
June 7	1530	1,820	6.91	Aug. 13	1930	1,690	6.69
June 12	2330	1,780	6.83	Sept. 23	0930	2,400	7.90
June 21	0400	3,330	9.86				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	278	244	613	163	250	611	260	2900	357	243	209
2	102	261	229	968	161	396	588	293	1640	334	238	239
3	95	237	207	847	157	407	537	270	1200	301	197	383
4	101	223	189	748	307	319	499	246	1370	276	549	341
5	115	215	196	642	237	336	513	235	1080	252	454	258
6	99	324	180	583	166	455	456	228	893	233	755	219
7	95	256	159	527	166	365	437	236	1150	268	668	199
8	89	229	155	504	e150	356	419	280	1080	238	543	186
9	85	215	144	519	e140	427	422	225	930	210	481	178
10	90	214	134	510	e145	399	429	224	772	204	484	166
11	424	225	398	459	e140	348	680	218	675	245	660	159
12	442	297	811	418	e135	330	814	208	856	201	651	156
13	277	352	625	392	e135	431	710	191	990	182	709	197
14	207	295	1020	365	e125	492	620	184	722	172	670	256
15	169	289	943	345	e115	481	558	179	608	161	498	247
16	428	347	755	e310	e110	585	516	183	526	154	444	392
17	445	579	591	e290	e105	849	469	207	464	145	437	247
18	323	681	e480	e280	e110	1180	427	189	628	177	356	222
19	271	567	e470	e250	e120	1190	410	177	464	217	319	381
20	231	489	798	e230	e125	1460	379	168	901	146	292	291
21	203	446	671	e210	e130	2320	363	184	2720	307	273	253
22	186	475	609	e190	327	1640	364	169	1840	552	264	242
23	166	449	555	e180	582	1220	336	162	1290	587	250	1590
24	153	383	504	e160	423	978	312	236	989	841	222	987
25	156	352	543	e170	324	816	295	217	797	437	209	704
26	383	326	535	e180	286	749	366	511	664	339	202	572
27	252	325	462	e170	268	682	335	435	570	294	198	491
28	219	293	418	e150	257	585	289	496	500	337	186	649
29	210	275	398	e155	---	633	281	529	445	251	182	474
30	281	263	363	148	---	718	268	450	398	219	246	407
31	298	---	362	143	---	648	---	546	---	206	188	---
TOTAL	6707	10160	14148	11656	5609	22045	13703	8336	30062	8843	12068	11295
MEAN	216	339	456	376	200	711	457	269	1002	285	389	376
MAX	445	681	1020	968	582	2320	814	546	2900	841	755	1590
MIN	85	214	134	143	105	250	268	162	398	145	182	156
CFSM	1.63	2.55	3.43	2.83	1.51	5.35	3.43	2.02	7.53	2.14	2.93	2.83
IN.	1.88	2.84	3.96	3.26	1.57	6.17	3.83	2.33	8.41	2.47	3.38	3.16

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

	175	257	338	327	316	442	429	352	247	171	137	158
MEAN	175	257	338	327	316	442	429	352	247	171	137	158
MAX	760	569	918	887	620	929	1079	811	1002	471	389	475
(WY)	1977	1952	1997	1979	1981	1977	1993	1989	2003	1984	2003	1975
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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	78488		154632			
ANNUAL MEAN	215		424		276	
HIGHEST ANNUAL MEAN					441	1952
LOWEST ANNUAL MEAN					122	1965
HIGHEST DAILY MEAN	1020	Dec 14	2900	Jun 1	4660	Apr 16 1983
LOWEST DAILY MEAN	38	Sep 11,12	85	Oct 9	21	Nov 4 1963
ANNUAL SEVEN-DAY MINIMUM	41	Sep 8	96	Oct 4	23	Oct 25 1963
MAXIMUM PEAK FLOW			3810	Jun 1	ab8570	Nov 25 1950
MAXIMUM PEAK STAGE			10.71	Jun 1	13.60	Apr 16 1983
INSTANTANEOUS LOW FLOW			75	Oct 10	19	Oct 30 1963
ANNUAL RUNOFF (CFSM)	1.62		3.19		2.08	
ANNUAL RUNOFF (INCHES)	21.95		43.25		28.23	
10 PERCENT EXCEEDS	446		782		550	
50 PERCENT EXCEEDS	151		324		192	
90 PERCENT EXCEEDS	54		156		74	

a From rating curve extended above 5,000 ft<sup>3</sup>/s.  
 b Gage height, 13.29 ft.

