

## 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)
May 18	0900	*1,290	*5.96	(No peaks above base base discharge.)			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77	62	125	e95	144	79	395	380	206	94	52	66
2	79	62	92	e95	138	82	326	614	186	90	52	61
3	77	57	86	e100	129	258	310	542	179	87	52	52
4	75	56	83	101	132	151	284	482	178	83	53	53
5	73	56	83	86	130	135	256	435	173	79	54	52
6	69	60	84	84	127	133	244	390	242	77	57	52
7	63	61	93	91	127	130	229	359	267	84	55	49
8	64	64	102	80	123	122	210	337	173	83	54	44
9	70	63	158	79	110	121	209	409	151	87	54	44
10	71	58	113	84	116	228	244	340	141	91	52	42
11	67	54	99	105	162	154	192	287	127	79	48	38
12	60	54	91	98	121	148	180	298	265	76	49	38
13	59	54	94	92	112	151	187	357	222	69	47	40
14	63	54	119	89	108	150	223	442	249	71	46	42
15	181	53	111	86	107	143	691	358	215	68	50	98
16	85	54	97	86	109	143	478	342	190	63	64	224
17	91	53	106	85	106	137	421	323	161	63	46	84
18	74	54	201	83	103	227	380	896	141	68	45	73
19	70	55	158	e85	104	207	366	682	160	67	46	64
20	62	64	149	e92	107	357	334	585	128	66	50	63
21	61	61	140	93	109	417	302	510	126	61	49	60
22	61	59	128	91	102	369	292	447	121	61	48	74
23	62	59	116	92	96	331	258	402	119	95	57	153
24	61	55	134	147	91	301	232	365	113	87	58	73
25	58	198	115	157	91	279	242	329	108	71	51	60
26	55	197	107	133	88	363	233	307	103	67	46	68
27	53	100	e100	123	88	727	211	286	178	66	44	381
28	54	80	105	119	81	537	397	270	157	63	43	415
29	56	78	101	117	---	464	450	258	102	59	75	166
30	59	121	94	126	---	406	400	237	97	58	50	123
31	62	---	e90	130	---	369	---	213	---	55	46	---
TOTAL	2172	2156	3474	3124	3161	7819	9176	12482	4978	2288	1593	2852
MEAN	70.1	71.9	112	101	113	252	306	403	166	73.8	51.4	95.1
MAX	181	198	201	157	162	727	691	896	267	95	75	415
MIN	53	53	83	79	81	79	180	213	97	55	43	38
CFSM	0.53	0.54	0.84	0.76	0.85	1.90	2.30	3.03	1.25	0.55	0.39	0.71
IN.	0.61	0.60	0.97	0.87	0.88	2.19	2.57	3.49	1.39	0.64	0.45	0.80

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

MEAN	173	254	335	326	319	435	428	355	226	167	130	152
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	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.

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

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		FOR PERIOD OF DAILY RECORD	
ANNUAL TOTAL	59767		55275			
ANNUAL MEAN	164		151		272	
HIGHEST ANNUAL MEAN					441	1952
LOWEST ANNUAL MEAN					122	1965
HIGHEST DAILY MEAN	740	Mar 30	896	May 18	4660	Apr 16 1983
LOWEST DAILY MEAN	53	Oct 27	38	Sep 11,12	21	Nov 4 1963
ANNUAL SEVEN-DAY MINIMUM	54	Nov 11	41	Sep 8	23	Oct 25 1963
MAXIMUM PEAK FLOW			1290	May 18	ab8570	Nov 25 1950
MAXIMUM PEAK STAGE			5.96	May 18	13.60	Apr 16 1983
INSTANTANEOUS LOW FLOW			35	Sep 11	19	Oct 30 1963
ANNUAL RUNOFF (CFSM)	1.23		1.14		2.05	
ANNUAL RUNOFF (INCHES)	16.72		15.46		27.82	
10 PERCENT EXCEEDS	326		357		541	
50 PERCENT EXCEEDS	132		99		190	
90 PERCENT EXCEEDS	62		53		74	

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

b Gage height, 13.29 ft.

