

## WEST BRANCH SUSQUEHANNA RIVER BASIN

## 01541200 WEST BRANCH SUSQUEHANNA RIVER AT CURWENSVILLE, PA

**LOCATION.**--Lat 40°57'41", long 78°31'10", Clearfield County, Hydrologic Unit 02050201, on left bank 30 ft downstream from bridge on State Highway 453, 0.8 mi downstream from Curwensville Dam, 1.1 mi south of Curwensville, and 1.8 mi upstream from Anderson Creek.

**DRAINAGE AREA.**--367 mi<sup>2</sup>.

**PERIOD OF RECORD.**--October 1955 to current year.

**GAGE.**--Water-stage recorder. Datum of gage is 1,124.52 ft above National Geodetic Vertical Datum of 1929. Prior to Aug. 24, 1956, nonrecording gage and crest-stage gage 30 ft upstream at same datum.

**REMARKS.**--Records fair except those below 100 ft<sup>3</sup>/s and those for estimated daily discharges, which are poor. Flow regulated since November 1965 by Curwensville Dam (station 01541180). Several measurements of water temperature were made during the year. Satellite telemetry at station.

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	125	66	617	169	1280	343	1330	900	561	266	145	55
2	147	45	548	195	1220	318	1170	1410	612	263	170	60
3	156	78	330	206	992	501	903	1750	610	240	145	66
4	162	96	199	191	855	827	759	1220	506	203	91	67
5	160	90	199	169	661	746	758	999	430	185	72	61
6	160	71	238	167	578	643	586	850	2120	185	74	56
7	159	51	240	229	527	643	475	764	4180	158	75	56
8	154	46	246	239	488	556	569	619	2570	140	75	56
9	150	47	238	201	395	489	568	1280	1110	140	75	57
10	150	48	196	138	322	438	439	2050	995	420	75	57
11	81	48	196	280	1290	348	388	1300	696	296	75	58
12	e40	48	223	487	1440	322	388	1050	625	129	76	61
13	e40	49	235	487	959	322	388	2750	525	111	64	61
14	e40	49	306	399	782	320	390	3890	550	110	55	61
15	41	49	312	381	617	319	734	3410	1540	108	56	62
16	44	49	278	372	576	952	2310	2100	1650	109	56	181
17	47	49	710	323	576	1090	2000	1490	1060	108	56	175
18	48	49	3140	285	532	736	1140	2610	792	125	56	121
19	44	49	1790	239	436	861	1020	2990	563	133	56	87
20	42	64	1090	198	411	1150	1010	1760	469	131	61	74
21	40	71	816	185	493	2110	732	1390	407	129	66	75
22	38	69	569	227	670	1600	673	1140	304	129	67	76
23	37	68	503	272	586	1210	729	882	272	130	82	69
24	40	85	504	489	439	1030	611	757	269	129	156	63
25	127	160	506	1010	404	943	549	755	305	130	244	63
26	130	407	463	1040	460	1690	522	582	343	128	199	92
27	77	557	365	749	485	4980	470	517	604	166	127	454
28	126	377	278	643	429	3630	515	452	850	221	128	598
29	148	489	252	617	---	1950	1200	542	389	162	97	311
30	101	682	252	837	---	1580	915	483	270	130	59	168
31	101	---	199	1110	---	1340	---	410	---	130	54	---
TOTAL	2955	4106	16038	12534	18903	33987	24241	43102	26177	5144	2887	3501
MEAN	95.3	137	517	404	675	1096	808	1390	873	166	93.1	117
MAX	162	682	3140	1110	1440	4980	2310	3890	4180	420	244	598
MIN	37	45	196	138	322	318	388	410	269	108	54	55

e Estimated.

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2002, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	338	643	830	738	968	1296	1139	746	493	389	236	281
MAX (WY)	1980	1998	1973	1996	1986	1979	1993	1966	1972	1977	1977	1996
MIN (WY)	1986	1999	1999	1977	1980	1969	1976	1986	1999	1966	1966	1968

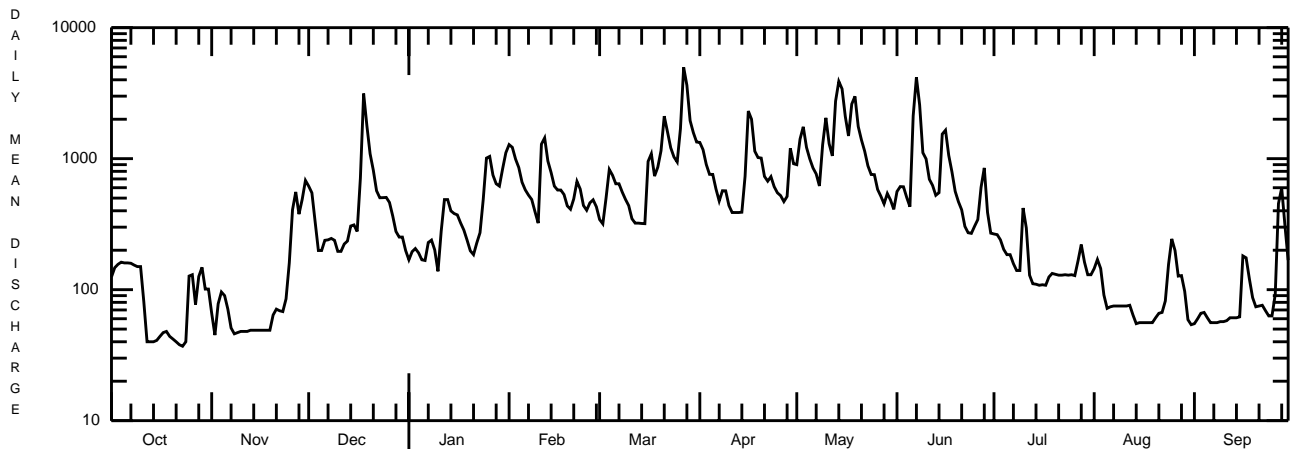
SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1966 - 2002
ANNUAL TOTAL	158007	193575	
ANNUAL MEAN	433	530	673
HIGHEST ANNUAL MEAN			905 1999
LOWEST ANNUAL MEAN			450 1999
HIGHEST DAILY MEAN	3140	Dec 18	4980 Mar 27 8420 Jun 26 1972
LOWEST DAILY MEAN	34	Sep 7	37 Oct 23 19 Aug 16,17 1966
ANNUAL SEVEN-DAY MINIMUM	41	Oct 18	41 Oct 18 36 Aug 11 1966
MAXIMUM PEAK FLOW			5610 Mar 27 8590 Jun 25 1972
MAXIMUM PEAK STAGE			8.42 Mar 27 11.40 Jun 25 1972
10 PERCENT EXCEEDS	1140		1220 1600
50 PERCENT EXCEEDS	242		311 386
90 PERCENT EXCEEDS	49		56 96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1965, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	158	329	501	685	889	1446	1323	783	310	321	265	137
MAX (WY)	1956	1956	1957	1965	1956	1964	1957	1956	1956	1956	1956	1956
MIN (WY)	1965	1958	1961	1956	1963	1957	1963	1965	1965	1965	1965	1964

SUMMARY STATISTICS WATER YEARS 1956 - 1965

ANNUAL MEAN	594
HIGHEST ANNUAL MEAN	938 1956
LOWEST ANNUAL MEAN	454 1965
HIGHEST DAILY MEAN	14000 Mar 10 1964
LOWEST DAILY MEAN	21 Nov 13,15,16 1964
ANNUAL SEVEN-DAY MINIMUM	22 Nov 10 1964
MAXIMUM PEAK FLOW	15700 Mar 10 1964
MAXIMUM PEAK STAGE	14.19 Mar 10 1964
ANNUAL RUNOFF (CFSM)	1.62
ANNUAL RUNOFF (INCHES)	22.00
10 PERCENT EXCEEDS	1450
50 PERCENT EXCEEDS	270
90 PERCENT EXCEEDS	56



OCTOBER 1, 2001 TO SEPTEMBER 30, 2002