

## 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.**--No estimated daily discharges. Records fair except those below 100 ft<sup>3</sup>/s, 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 2002 TO SEPTEMBER 2003  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	462	358	2190	211	525	619	243	919	268	1950	2200
2	127	383	395	4470	243	491	881	220	1020	210	1640	3100
3	97	315	344	4700	245	599	866	220	794	187	1270	3290
4	83	295	219	3480	403	570	820	219	1360	200	2250	4360
5	121	265	225	1890	684	617	1880	252	1550	206	1650	2650
6	149	386	268	1270	534	948	2650	296	1230	204	1290	1500
7	99	562	267	1040	441	985	1980	296	1090	264	941	1080
8	61	510	225	905	496	899	1540	431	1300	373	773	849
9	77	494	193	808	398	1410	1400	596	1230	287	1240	629
10	101	417	193	868	325	1660	1140	654	982	241	2890	576
11	126	339	213	761	326	1150	1400	845	759	609	1900	507
12	125	395	319	563	325	1100	1770	903	846	555	1150	449
13	108	379	396	706	325	1770	1380	793	833	342	682	408
14	108	326	508	478	270	2640	1080	724	749	246	483	382
15	121	321	928	325	246	2370	937	549	661	226	570	461
16	185	376	993	386	246	2740	836	617	510	226	587	744
17	192	852	784	412	247	3690	702	677	468	226	481	458
18	221	1130	576	412	224	4090	619	547	602	194	381	395
19	247	853	514	366	200	3010	578	598	766	550	359	505
20	246	769	1640	324	271	2670	542	593	666	415	297	695
21	211	716	2240	325	319	2930	506	920	676	269	267	626
22	167	560	1570	324	408	2750	462	914	733	1090	265	491
23	167	535	1400	288	695	1970	462	780	610	1320	264	1080
24	134	566	1100	244	1410	1460	405	847	494	642	224	1000
25	118	469	916	246	871	1200	377	822	430	524	194	732
26	547	400	779	245	702	968	325	718	385	439	476	714
27	569	400	624	248	776	841	248	691	324	382	1270	713
28	364	400	531	285	643	754	244	566	296	749	894	1030
29	200	340	578	320	---	716	285	472	291	559	535	1210
30	338	313	535	258	---	684	295	462	287	380	2340	922
31	462	---	489	203	---	654	---	508	---	380	3130	---
TOTAL	5998	14528	20320	29340	12484	48861	27229	17973	22861	12763	32643	33756
MEAN	193	484	655	946	446	1576	908	580	762	412	1053	1125
MAX	569	1130	2240	4700	1410	4090	2650	920	1550	1320	3130	4360
MIN	61	265	193	203	200	491	244	219	287	187	194	382

WEST BRANCH SUSQUEHANNA RIVER BASIN

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STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2003, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	334	639	825	743	954	1304	1133	742	500	389	257	303
MAX (WY)	1980	1998	1973	1996	1986	1979	1993	1966	1972	1977	2003	1996
MIN (WY)	1986	1999	1999	1977	1980	1969	1976	1986	1999	1966	1966	1968

SUMMARY STATISTICS FOR 2002 CALENDAR YEAR FOR 2003 WATER YEAR WATER YEARS 1966 - 2003

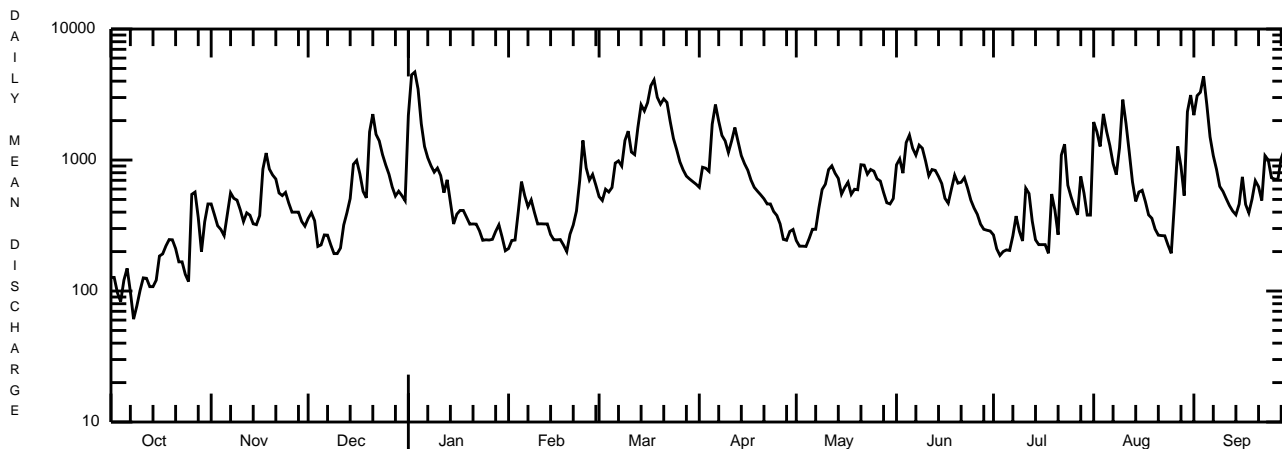
ANNUAL TOTAL	211322	278756	675
ANNUAL MEAN	579	764	450
HIGHEST ANNUAL MEAN			905
LOWEST ANNUAL MEAN			450
HIGHEST DAILY MEAN	4980	Mar 27	4700
LOWEST DAILY MEAN	54	Aug 31	61
ANNUAL SEVEN-DAY MINIMUM	57	Aug 14	98
MAXIMUM PEAK FLOW			4800
MAXIMUM PEAK STAGE			7.69
10 PERCENT EXCEEDS	1280	1600	1590
50 PERCENT EXCEEDS	396	535	389
90 PERCENT EXCEEDS	75	217	99

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
LOWEST ANNUAL MEAN	454
HIGHEST DAILY MEAN	14000
LOWEST DAILY MEAN	21
ANNUAL SEVEN-DAY MINIMUM	22
MAXIMUM PEAK FLOW	15700
MAXIMUM PEAK STAGE	14.19
ANNUAL RUNOFF (CFSM)	1.62
ANNUAL RUNOFF (INCHES)	22.00
10 PERCENT EXCEEDS	1450
50 PERCENT EXCEEDS	270
90 PERCENT EXCEEDS	56



OCTOBER 1, 2002 TO SEPTEMBER 30, 2003