

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 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 1,124.52 ft above sea level. 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 ft³/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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	180	259	499	321	1770	533	814	362	361	270	64	87
2	176	211	500	352	1570	473	664	339	380	337	63	97
3	176	188	498	303	944	449	559	376	627	346	61	97
4	121	190	354	282	660	449	558	398	815	264	60	96
5	176	191	273	259	756	497	557	328	578	210	61	79
6	908	191	323	246	731	477	790	290	428	207	61	49
7	985	192	306	247	662	393	943	291	321	211	61	34
8	480	192	274	246	661	370	943	253	274	226	61	37
9	272	218	314	245	840	370	1020	273	274	226	63	41
10	229	380	294	245	2000	370	1610	288	271	191	167	46
11	417	640	300	245	2980	370	1500	271	244	173	191	47
12	499	590	507	246	1680	370	1210	281	234	150	109	49
13	393	380	655	245	1190	783	968	290	184	134	75	49
14	309	386	653	244	1190	2230	794	210	191	120	66	51
15	272	360	652	245	2550	2330	717	233	207	103	55	49
16	272	312	649	245	2900	1550	2190	199	211	91	35	49
17	301	270	983	218	2240	1820	2980	172	192	89	43	49
18	2160	271	1720	207	1580	1690	1900	214	178	89	64	49
19	1960	271	1180	234	1260	1520	1500	210	179	77	88	49
20	907	272	799	267	1150	1140	1280	184	182	68	110	51
21	635	221	644	302	878	1170	1290	170	186	68	96	46
22	496	197	569	314	815	2010	1250	339	260	53	96	55
23	406	197	548	292	755	1670	926	1650	569	37	79	58
24	402	197	418	253	674	1180	822	752	648	52	68	100
25	367	270	359	241	593	965	864	614	393	61	68	209
26	329	340	359	242	628	968	723	520	210	61	68	221
27	283	395	359	241	684	962	599	438	105	64	70	145
28	263	589	359	242	599	904	576	435	171	66	72	91
29	264	542	359	242	---	746	530	433	197	66	72	75
30	265	498	316	303	---	680	442	324	207	66	70	80
31	265	---	283	871	---	769	---	276	---	65	73	---
TOTAL	15168	9410	16306	8685	34940	30208	31519	11413	9277	4241	2390	2235
MEAN	489	314	526	280	1248	974	1051	368	309	137	77.1	74.5
MAX	2160	640	1720	871	2980	2330	2980	1650	815	346	191	221
MIN	121	188	273	207	593	370	442	170	105	37	35	34

WEST BRANCH SUSQUEHANNA RIVER BASIN

01541200 WEST BRANCH SUSQUEHANNA RIVER AT CURWENSVILLE, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2001, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	344	657	838	747	976	1302	1148	728	482	395	240	285
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 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1966 - 2001
ANNUAL TOTAL	185817	175792	
ANNUAL MEAN	508	482	677
HIGHEST ANNUAL MEAN			905 1972
LOWEST ANNUAL MEAN			450 1999
HIGHEST DAILY MEAN	3100 Mar 22	2980 Feb 11, Apr 17	8420 Jun 26 1972
LOWEST DAILY MEAN	68 Jul 25	34 Sep 7	19 Aug 16, 17 1966
ANNUAL SEVEN-DAY MINIMUM	77 Jul 21	43 Sep 6	36 Aug 11 1966
MAXIMUM PEAK FLOW		3720 Oct 18	8590 Jun 25 1972
MAXIMUM PEAK STAGE		6.80 Oct 18	11.40 Jun 25 1972
10 PERCENT EXCEEDS	1090	1170	1600
50 PERCENT EXCEEDS	316	290	386
90 PERCENT EXCEEDS	124	64	100

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
INSTANTANEOUS PEAK FLOW	15700 Mar 10 1964
INSTANTANEOUS PEAK STAGE	14.19 Mar 10 1964
ANNUAL RUNOFF (CFMS)	1.62
ANNUAL RUNOFF (INCHES)	22.00
10 PERCENT EXCEEDS	1450
50 PERCENT EXCEEDS	270
90 PERCENT EXCEEDS	56

