

## WEST BRANCH SUSQUEHANNA RIVER BASIN

## 01541303 WEST BRANCH SUSQUEHANNA RIVER AT HYDE, PA

**LOCATION.**--Lat 41°00'16", long 78°27'25", Clearfield County, Hydrologic Unit 02050201, on right bank 60 ft downstream from bridge at intersection of SR 1001 and State Highway 879 at Hyde.

**DRAINAGE AREA.**--474 mi<sup>2</sup>.

**PERIOD OF RECORD.**--October 1978 to current year.

**GAGE.**--Water-stage recorder. Datum of gage is 1,093.90 ft above sea level.

**REMARKS.**--Records good except those for estimated daily discharges, which are poor. Flow regulated since November 1965 by Curwensville Dam (station 01541180) about 5 mi upstream. Several measurements of water temperature were made during the year. Satellite and landline telemetry at station.

**EXTREMES OUTSIDE PERIOD OF RECORD.**--Flood of Mar. 10, 1964, reached a stage of 18.1 ft, from floodmarks, discharge, about 19,400 ft<sup>3</sup>/s.

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	236	318	586	e360	1990	589	1010	485	451	365	100	134
2	229	282	574	e420	1850	545	870	444	545	449	97	137
3	225	238	555	e300	e1100	504	736	460	839	448	96	130
4	187	235	450	e280	e700	504	745	482	1030	364	102	130
5	209	233	342	e270	796	534	728	422	782	266	105	119
6	995	229	371	e260	806	524	1090	366	568	266	97	90
7	1210	227	379	e240	708	448	1350	358	471	258	93	76
8	585	227	335	e220	705	407	1340	327	384	287	91	75
9	395	240	354	e240	931	407	1380	330	369	302	90	74
10	307	439	358	e260	2390	402	1960	348	356	268	240	75
11	461	762	340	e240	3570	395	1870	330	336	237	268	75
12	556	748	609	e220	2250	395	1570	334	315	211	170	74
13	465	500	770	e240	1520	866	1240	350	275	183	115	74
14	369	460	757	e250	1540	2410	1020	288	246	174	99	105
15	321	451	736	e260	3140	2790	932	266	258	159	94	89
16	317	400	734	e240	3670	1920	2910	263	256	146	82	80
17	350	339	1210	e250	2950	2230	3790	219	241	144	96	78
18	2300	332	2080	e240	2100	2150	2610	250	212	144	93	78
19	2390	328	1630	e240	1640	1870	2010	256	206	135	158	77
20	1160	324	1010	e260	1500	1520	1740	238	204	116	169	85
21	774	286	e800	e300	1160	1480	1770	227	310	114	138	84
22	647	245	681	e340	995	2830	1660	382	752	109	131	78
23	515	241	e600	e300	929	2360	1290	2090	1370	92	122	88
24	507	237	e500	e260	788	1720	1090	989	1310	93	101	111
25	478	274	e440	e250	729	1370	1100	782	770	101	98	240
26	421	426	e420	e250	731	1300	939	707	475	105	100	263
27	379	496	e440	e240	770	1230	772	612	302	103	104	181
28	347	662	e420	e240	693	1150	720	610	288	103	111	122
29	334	653	e400	e240	---	940	659	589	281	101	106	104
30	328	591	e340	e360	---	892	563	480	282	102	100	101
31	324	---	e300	e900	---	959	---	389	---	101	113	---
TOTAL	18321	11423	19521	8970	42651	37641	41464	14673	14484	6046	3679	3227
MEAN	591	381	630	289	1523	1214	1382	473	483	195	119	108
MAX	2390	762	2080	900	3670	2830	3790	2090	1370	449	268	263
MIN	187	227	300	220	693	395	563	219	204	92	82	74

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2001, BY WATER YEAR (WY)

MEAN	390	883	1010	960	1281	1633	1547	890	657	494	320	313
MAX	1264	2425	1944	2092	2302	3377	3648	1831	1663	1497	1084	1819
(WY)	1980	1998	1991	1996	1986	1979	1993	1989	1989	1996	1984	1996
MIN	97.0	97.2	216	289	392	647	590	307	154	130	98.7	78.1
(WY)	1983	1999	1999	2001	1980	1990	1997	1986	1999	1999	1988	1995

e Estimated.

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SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1979 - 2001	
ANNUAL TOTAL	238728		222100			
ANNUAL MEAN	652		608		862	
HIGHEST ANNUAL MEAN					1146	1994
LOWEST ANNUAL MEAN					576	1999
HIGHEST DAILY MEAN	3980	Apr 22	3790	Apr 17	6850	Mar 8 1979
LOWEST DAILY MEAN	83	Jul 25,26	74	Sep 9 <sup>a</sup>	46	Sep 14 1982
ANNUAL SEVEN-DAY MINIMUM	96	Jul 21	75	Sep 7	53	Oct 6 1983
MAXIMUM PEAK FLOW			4210	Apr 16	<sup>b</sup> 7630	Jan 19 1996
MAXIMUM PEAK STAGE			8.18	Apr 16	<sup>c</sup> 11.45	Feb 18 1981
10 PERCENT EXCEEDS	1410		1520		2040	
50 PERCENT EXCEEDS	412		358		503	
90 PERCENT EXCEEDS	173		101		121	

- a Also Sept. 12, 13.
- b From rating curve extended above 6,000 ft<sup>3</sup>/s; gage height 10.82 ft.
- c Backwater from ice.

