

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 mi².

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 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	536	91	754	e380	e230	1940	565	740	505	305	226	132
2	267	152	462	e330	e230	1930	449	829	426	245	210	127
3	209	659	475	e330	e230	1670	658	791	501	244	227	130
4	184	611	519	699	e230	1240	2300	679	563	279	214	174
5	218	e450	515	1010	e230	1030	2840	562	404	310	189	186
6	220	e330	488	669	e230	994	2130	518	534	260	248	151
7	168	e270	475	511	e230	877	1650	506	650	203	1420	101
8	145	e220	459	435	e230	711	1580	468	503	174	1110	99
9	109	214	380	460	e230	632	1480	374	394	168	551	98
10	153	214	340	535	e230	675	1220	368	358	190	379	99
11	238	214	370	647	e250	880	1190	363	312	196	275	106
12	296	195	413	683	e360	1130	1200	356	306	190	266	146
13	283	164	409	622	622	917	1100	359	469	185	247	320
14	275	164	665	e500	1160	690	980	350	1400	185	221	322
15	308	164	1690	e450	2110	613	894	328	1060	189	195	254
16	295	146	1570	388	1940	706	796	267	1000	194	185	190
17	274	117	1130	e390	1470	1230	1190	220	767	211	178	180
18	201	114	856	e370	1320	1350	1540	238	664	192	172	170
19	131	109	659	e330	1310	1060	1310	445	676	142	145	165
20	128	133	714	e350	1570	969	1080	514	571	122	139	162
21	128	186	827	e370	1240	1790	2460	459	502	115	129	177
22	128	160	730	e320	931	3780	3980	370	864	103	114	172
23	128	157	553	e290	1070	2880	3810	370	747	100	148	175
24	128	141	512	e310	2020	1970	2930	1090	479	95	208	393
25	126	116	e430	e340	3200	1600	2030	1230	334	83	248	602
26	122	2250	e360	e310	3610	1220	1580	727	342	83	255	543
27	120	4400	318	e280	2850	1180	1370	573	559	92	167	484
28	120	2460	e340	e260	2570	1070	1160	565	529	137	140	403
29	110	1120	351	e250	2310	963	947	856	393	236	138	290
30	91	833	e400	e240	---	851	760	1000	367	298	136	243
31	91	---	e450	e230	---	682	---	647	---	277	134	---
TOTAL	5930	16554	18614	13289	34213	39230	47179	17162	17179	5803	8614	6794
MEAN	191	552	600	429	1180	1265	1573	554	573	187	278	226
MAX	536	4400	1690	1010	3610	3780	3980	1230	1400	310	1420	602
MIN	91	91	318	230	230	613	449	220	306	83	114	98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2000, BY WATER YEAR (WY)

MEAN	381	906	1027	991	1270	1652	1554	909	665	508	329	322
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	302	392	647	590	307	154	130	98.7	78.1
(WY)	1983	1999	1999	1981	1980	1990	1997	1986	1999	1999	1988	1995

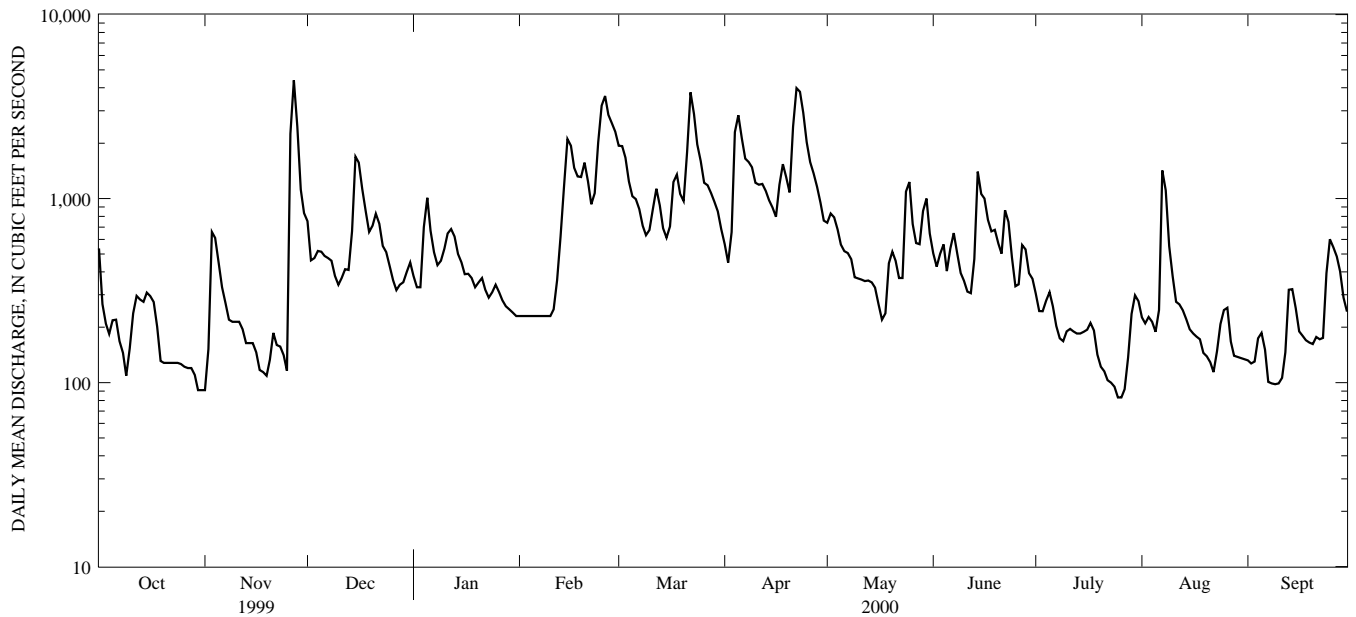
e Estimated.

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1979 - 2000	
ANNUAL TOTAL	237079		230561			
ANNUAL MEAN	650		630		873	
HIGHEST ANNUAL MEAN					1146	1994
LOWEST ANNUAL MEAN					576	1999
HIGHEST DAILY MEAN	6090	Jan 25	4400	Nov 27	6850	Mar 8 1979
LOWEST DAILY MEAN	68	Aug 12 ^a	83	Jul 25, 26	46	Sep 14 1982
ANNUAL SEVEN-DAY MINIMUM	84	Jul 15	96	Jul 21	53	Oct 6 1983
INSTANTANEOUS PEAK FLOW			5060	Nov 26	^b 7630	Jan 19 1996
INSTANTANEOUS PEAK STAGE			8.92	Nov 26	^c 11.45	Feb 18 1981
10 PERCENT EXCEEDS	1600		1440		2080	
50 PERCENT EXCEEDS	274		370		514	
90 PERCENT EXCEEDS	91		132		123	

- a Also Sept. 28.
- b From rating curve extended above 6,000 ft³/s; gage height 10.82 ft.
- c Backwater from ice.



1-YEAR HYDROGRAPH
OCTOBER 1, 1999 TO SEPTEMBER 30, 2000