

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 National Geodetic Vertical Datum of 1929.

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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	123	860	e290	1750	482	1900	1170	726	372	188	66
2	155	89	678	e320	1750	443	1690	1700	761	356	213	67
3	159	105	506	e330	1380	729	1350	2190	735	328	201	80
4	166	140	317	e320	1210	1070	1100	1590	682	280	129	80
5	166	136	302	e290	946	999	1060	1290	594	242	102	78
6	166	127	307	e290	786	846	894	1130	2930	235	103	66
7	165	102	330	e360	727	835	710	989	4960	214	99	66
8	163	84	301	444	665	755	760	854	3430	183	96	65
9	157	84	339	290	585	651	795	1530	1670	191	95	65
10	155	85	281	240	509	604	652	2580	1400	419	94	64
11	135	81	270	292	1590	506	568	1840	1000	452	93	64
12	66	82	278	553	1910	459	550	1560	899	178	93	64
13	65	79	310	547	1270	454	570	3700	798	151	90	64
14	76	78	362	486	1060	444	642	4800	763	149	71	65
15	88	78	442	421	834	438	1220	4320	1800	146	69	85
16	81	78	373	440	762	966	2580	2850	2050	143	69	308
17	81	78	744	381	748	1450	2650	2140	1390	141	68	248
18	76	78	4000	357	690	908	1560	3110	1020	149	68	151
19	72	78	2550	288	586	1020	1350	3740	778	167	68	104
20	69	92	1570	274	545	1390	1330	2420	612	165	69	85
21	67	109	1180	230	639	2490	1060	1880	551	164	79	82
22	67	106	841	274	821	2020	906	1580	424	161	82	82
23	72	104	717	310	764	1570	966	1250	364	e170	94	79
24	219	105	730	563	581	1320	828	1050	369	e170	160	69
25	204	222	688	1250	530	1240	738	1020	411	166	297	68
26	192	448	635	1330	582	2230	711	852	443	165	261	75
27	151	564	529	996	626	5670	636	704	932	200	154	516
28	142	462	435	841	573	4560	749	665	1270	283	138	827
29	172	536	380	828	---	2650	1500	681	624	234	136	412
30	139	823	e370	1080	---	2410	1270	677	398	170	80	229
31	136	---	e330	1570	---	1970	---	602	---	168	68	---
TOTAL	3940	5356	21955	16485	25419	43579	33295	56464	34784	6712	3627	4374
MEAN	127	179	708	532	908	1406	1110	1821	1159	217	117	146
MAX	219	823	4000	1570	1910	5670	2650	4800	4960	452	297	827
MIN	65	78	270	230	509	438	550	602	364	141	68	64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2002, BY WATER YEAR (WY)

MEAN	379	853	997	942	1265	1623	1529	929	678	483	311	306
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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1979 - 2002	
ANNUAL TOTAL	204086		255990			
ANNUAL MEAN	559		701		855	
HIGHEST ANNUAL MEAN					1146	1994
LOWEST ANNUAL MEAN					576	1999
HIGHEST DAILY MEAN	4000	Dec 18	5670	Mar 27	6850	Mar 8 1979
LOWEST DAILY MEAN	65	Oct 13	64	Sep 10-13	46	Sep 14 1982
ANNUAL SEVEN-DAY MINIMUM	72	Oct 17	64	Sep 8	53	Oct 6 1983
MAXIMUM PEAK FLOW			a6220	Mar 27	a7630	Jan 19 1996
MAXIMUM PEAK STAGE			9.94	Mar 27	b11.45	Feb 18 1981
10 PERCENT EXCEEDS	1510		1620		2030	
50 PERCENT EXCEEDS	281		424		500	
90 PERCENT EXCEEDS	85		78		118	

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

