

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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	579	466	2620	e310	675	845	381	1320	337	2680	2360
2	138	513	505	5560	e370	631	1150	332	1420	283	2580	3940
3	127	411	e440	5290	e370	e750	1150	329	1170	236	2000	4040
4	109	396	e320	4210	e620	e700	1080	319	1690	246	3360	5530
5	129	353	e300	2540	e880	710	2710	358	1990	263	2730	3690
6	167	540	e340	1710	e740	1060	3500	446	1670	257	2250	2310
7	142	679	e340	1420	e600	e1100	2770	429	1520	336	1580	1610
8	90	657	e300	1200	e670	e1000	2110	537	1680	490	1520	1280
9	90	586	e260	1120	e570	1650	1970	e750	1740	378	2110	969
10	105	550	e260	1130	e440	2050	1640	e850	1410	335	3650	846
11	129	453	e280	1030	e440	e1400	1860	e1000	1110	731	2730	752
12	152	473	e380	773	e440	1320	2350	e1100	1170	757	1710	632
13	126	518	484	e850	e440	2160	1900	1040	1190	472	1170	579
14	126	427	641	e600	e400	3310	1490	957	1040	317	760	522
15	132	415	1040	e440	e350	3100	1300	799	939	281	806	600
16	188	455	1220	e470	e350	3590	1160	874	739	300	836	1110
17	255	1030	948	e490	e350	4740	980	1040	650	280	706	667
18	235	1480	727	e490	e320	5370	838	839	820	305	552	534
19	283	1120	605	e470	e280	4440	796	849	979	653	482	665
20	288	997	1860	e440	e380	3960	733	837	902	575	417	936
21	260	936	2840	e440	e440	4210	708	1380	875	321	356	845
22	192	770	2080	e440	e660	3820	659	1360	946	1260	342	666
23	187	700	1710	e420	e900	2880	640	1150	817	1750	329	1550
24	168	719	1460	e370	e1900	2090	587	1310	646	916	294	1450
25	140	646	1170	e370	e1400	1770	543	1240	560	654	244	1080
26	666	543	1020	e370	e920	1420	505	1090	482	571	598	999
27	747	540	812	e370	e940	1220	411	1010	425	461	1510	1000
28	515	523	687	e410	831	1060	362	955	367	1210	1190	1460
29	293	475	690	e440	---	1010	426	785	357	929	720	1580
30	402	441	683	e380	---	955	429	745	354	556	2280	1260
31	574	---	645	e300	---	901	---	832	---	524	3620	---
TOTAL	7296	18925	25513	37163	17311	65052	37602	25923	30978	16984	46112	45462
MEAN	235	631	823	1199	618	2098	1253	836	1033	548	1487	1515
MAX	747	1480	2840	5560	1900	5370	3500	1380	1990	1750	3650	5530
MIN	90	353	260	300	280	631	362	319	354	236	244	522

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2003, BY WATER YEAR (WY)

MEAN	374	844	990	953	1240	1642	1518	925	692	485	358	354
MAX	1264	2425	1944	2092	2302	3377	3648	1831	1663	1497	1487	1819
(WY)	1980	1998	1991	1996	1986	1979	1993	1989	1989	1996	2003	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1979 - 2003	
ANNUAL TOTAL	276473		374321		862	
ANNUAL MEAN	757		1026		1146	
HIGHEST ANNUAL MEAN					1994	
LOWEST ANNUAL MEAN					1999	
HIGHEST DAILY MEAN	5670	Mar 27	5560	Jan 2	6850	Mar 8 1979
LOWEST DAILY MEAN	64	Sep 10	90	Oct 8	46	Sep 14 1982
ANNUAL SEVEN-DAY MINIMUM	64	Sep 8	117	Oct 8	53	Oct 6 1983
MAXIMUM PEAK FLOW			a6060	Sep 4	a7630	Jan 19 1996
MAXIMUM PEAK STAGE			9.82	Sep 4	b11.45	Feb 18 1981
10 PERCENT EXCEEDS	1690		2130		2040	
50 PERCENT EXCEEDS	540		719		510	
90 PERCENT EXCEEDS	92		286		121	

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

b Backwater from ice.

