



2005 Water Year  
WEST BRANCH SUSQUEHANNA RIVER BASIN  
01541200 WB Susquehanna River near Curwensville, PA

Latitude: 40° 57 ' 41"

Longitude: 078° 31 ' 10"

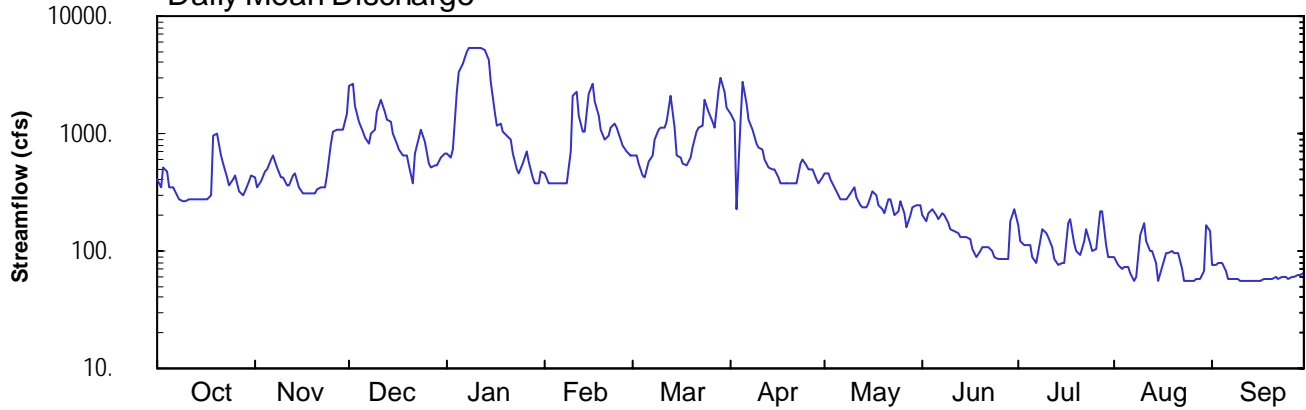
Hydrologic Unit Code: 02050201

Clearfield County

Datum: 1124.52 feet

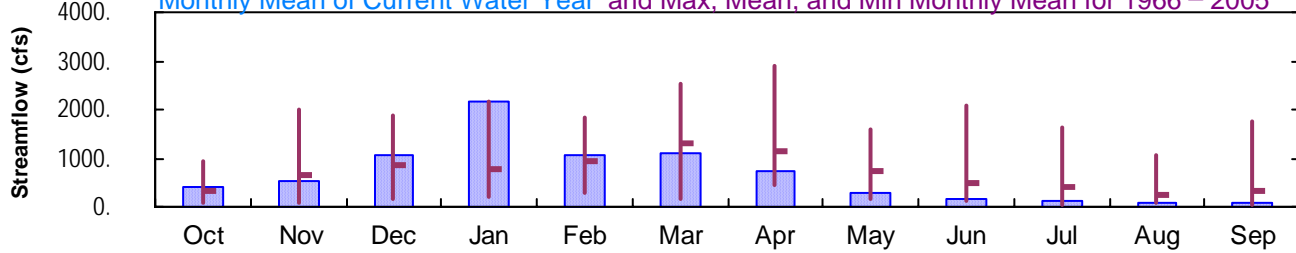
Drainage Area: 367. mi<sup>2</sup>

### Daily Mean Discharge

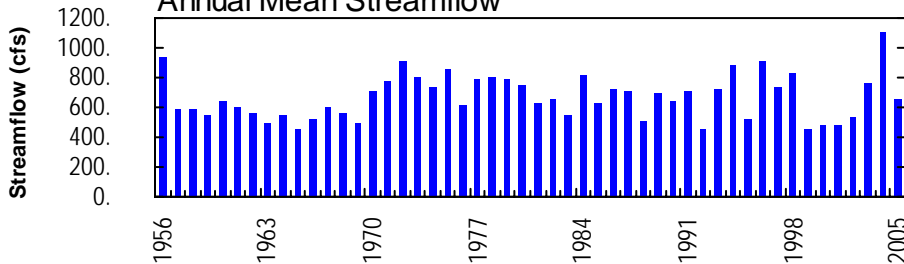


### Monthly Statistics

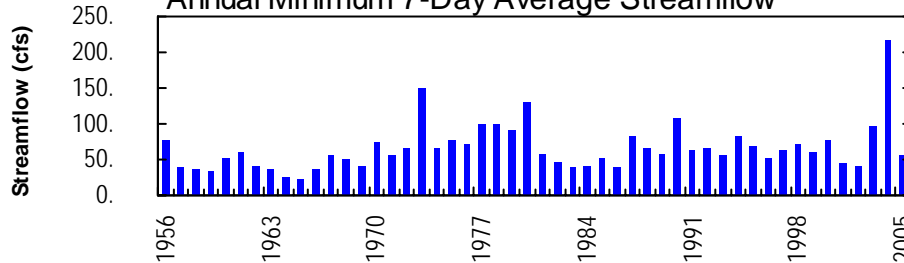
Monthly Mean of Current Water Year and Max, Mean, and Min Monthly Mean for 1966 – 2005



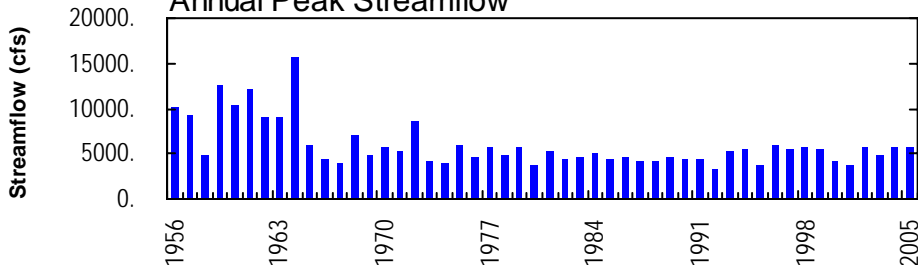
### Annual Mean Streamflow



### Annual Minimum 7-Day Average Streamflow



### Annual Peak Streamflow



## 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 mi<sup>2</sup>.

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

**GAGE.**--Water-stage recorder. Datum of gage is 1,124.52 ft above National Geodetic Vertical Datum of 1929. 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 ft<sup>3</sup>/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 and landline telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	414	430	2590	666	463	654	1500	461	201	163	88	77
2	347	350	2700	623	376	647	1280	461	180	120	76	77
3	522	395	1760	721	376	551	229	405	213	111	71	79
4	480	472	1260	2280	376	445	1280	342	225	111	72	79
5	350	503	1060	3410	376	416	2790	296	201	111	74	68
6	350	592	940	3940	376	574	1760	277	188	89	64	58
7	323	643	833	4900	375	648	1320	278	213	79	57	58
8	273	507	982	5310	376	885	1070	277	199	120	60	58
9	269	430	1060	5400	694	1080	812	314	170	154	137	57
10	270	424	1560	5430	2080	1110	767	344	151	140	171	56
11	271	363	1930	5350	2310	1110	718	291	147	131	120	55
12	273	364	1550	5270	1430	1270	601	246	140	108	101	55
13	274	444	1330	5220	1050	2110	523	233	133	84	98	56
14	274	452	1280	4310	1030	1100	488	233	134	78	78	56
15	274	352	1010	2760	2220	662	490	259	133	78	56	56
16	275	309	832	1570	2670	627	431	324	125	78	73	56
17	277	309	735	1180	1880	550	375	294	105	174	97	57
18	303	309	658	1230	1440	526	375	245	89	185	98	57
19	950	309	658	1030	1060	618	376	230	100	116	99	57
20	996	309	534	949	887	749	377	212	109	102	97	59
21	643	333	376	885	949	1030	380	272	108	92	97	60
22	549	347	671	671	1110	1140	381	271	108	119	70	58
23	430	347	921	503	1200	1150	554	203	101	156	55	60
24	364	442	1080	461	1120	1910	595	219	90	119	55	60
25	415	832	857	555	902	1550	539	269	86	101	56	59
26	435	1050	566	697	789	1270	492	213	85	102	56	60
27	328	1070	524	572	714	1130	494	159	85	218	58	61
28	298	1070	529	429	662	2340	414	206	85	215	58	62
29	319	1070	530	381	---	2940	381	235	180	111	68	63
30	388	1460	628	382	---	2300	430	246	229	90	168	64
31	433	---	667	483	---	1640	---	245	---	89	147	---
TOTAL	12367	16287	32611	67568	29291	34732	22222	8560	4313	3744	2675	1838
MEAN	399	543	1052	2180	1046	1120	741	276	144	121	86.3	61.3
MAX	996	1460	2700	5430	2670	2940	2790	461	229	218	171	79
MIN	269	309	376	381	375	416	229	159	85	78	55	55

WEST BRANCH SUSQUEHANNA RIVER BASIN

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

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	342	652	838	795	945	1317	1135	739	495	390	262	333
MAX (WY)	1980	1998	1973	2005	1986	1979	1993	1966	1972	1977	2003	2004
MIN (WY)	1986	1999	1999	1977	1980	1969	1976	1986	1999	1966	1966	1968

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1966 - 2005	
ANNUAL TOTAL	374632		236208			
ANNUAL MEAN	1024		647		685	
HIGHEST ANNUAL MEAN					1106	
LOWEST ANNUAL MEAN					450	
HIGHEST DAILY MEAN	5520	Sep 23	5430	Jan 10	8420	Jun 26 1972
LOWEST DAILY MEAN	180	Jul 11a	55	Aug 23,24b	19	Aug 16,17 1966
ANNUAL SEVEN-DAY MINIMUM	217	Sep 2	56	Sep 10	36	Aug 11 1966
MAXIMUM PEAK FLOW			5710	Jan 13	8590	Jun 25 1972
MAXIMUM PEAK STAGE			8.51	Jan 13	11.40	Jun 25 1972
10 PERCENT EXCEEDS	2380		1430		1610	
50 PERCENT EXCEEDS	594		375		398	
90 PERCENT EXCEEDS	284		68		99	

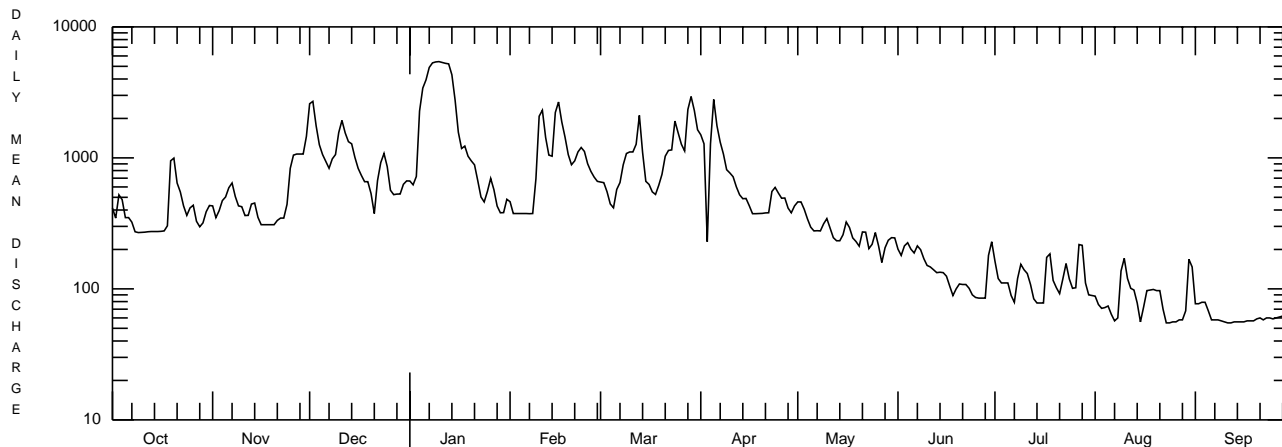
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 1965, BY WATER YEAR (WY) (PRIOR TO REGULATION)

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

a Also Sept. 6.  
b Also Sept. 11, 12.



OCTOBER 1, 2004 TO SEPTEMBER 30, 2005