

## WEST BRANCH SUSQUEHANNA RIVER BASIN

## 01541500 CLEARFIELD CREEK AT DIMELING, PA

**LOCATION.**--Lat 40°58'18", long 78°24'22", Clearfield County, Hydrologic Unit 02050201, on right bank at downstream side of highway bridge on SR 2024 at Dimeling, 600 ft downstream from Little Clearfield Creek, and 4.0 mi southeast of Clearfield.

**DRAINAGE AREA.**--371 mi<sup>2</sup>.

**PERIOD OF RECORD.**--October 1913 to current year.

**REVISED RECORDS.**--WSP 756: Drainage area. WSP 891: 1936-39. WSP 1302: 1915-17, 1918-19(M). WSP 1502: 1939. WDR PA-87-2: 1986(M).

**GAGE.**--Water-stage recorder. Datum of gage is 1,146.08 ft above sea level. Prior to Oct. 17, 1928, nonrecording gage, and Oct. 17, 1928, to Oct. 25, 1967, water-stage recorder at site 200 ft upstream at same datum.

**REMARKS.**--Records good except those for estimated daily discharges, which are poor. Flow regulated since December 1960 by Glendale Dam (station 01541340) about 25 mi upstream. Several measurements of water temperature were made during the year. Satellite telemetry at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	212	79	e90	1220	538	654	492	e140	177	e75	81
2	92	211	77	e85	1660	500	666	447	e140	221	e82	74
3	82	173	72	e90	1660	496	609	409	185	e140	e68	68
4	86	110	71	e86	1450	1180	578	e370	190	e120	e60	64
5	98	102	71	e82	1450	848	929	e350	e150	e110	50	61
6	100	102	71	e86	1150	708	878	e330	e140	e100	48	67
7	88	90	71	e84	1040	641	716	e320	e130	e92	46	103
8	185	86	73	e94	1330	525	621	e320	e120	e86	48	132
9	315	86	75	e92	1170	e500	961	e330	e120	e83	54	147
10	262	92	77	e130	1080	e470	3490	e310	e110	e97	54	122
11	249	114	77	e120	918	431	2450	284	e100	e120	48	109
12	192	127	76	e110	893	427	2160	265	e100	e94	43	98
13	162	112	73	e120	876	395	1750	251	e96	e82	55	94
14	149	105	69	e140	733	392	1460	247	e92	e75	303	104
15	135	100	e69	e150	655	392	1260	246	e96	e69	285	117
16	124	96	e66	e160	616	407	1160	231	e100	e64	137	131
17	116	93	e66	e170	618	516	1060	224	e96	e63	97	198
18	108	91	e70	e200	637	1510	898	220	e96	e61	81	192
19	108	88	69	e250	572	1680	789	220	e94	e59	72	145
20	107	88	69	e400	538	1200	771	217	e90	e58	66	123
21	635	88	85	e350	509	1210	845	211	e87	e58	69	122
22	843	88	443	e250	420	2240	900	208	e84	e110	80	122
23	629	86	427	e1100	376	1550	1180	215	e81	e140	71	119
24	487	84	e210	e5500	404	1280	1270	258	e78	e120	62	110
25	484	82	e125	4180	406	1160	1030	291	e75	e100	59	100
26	481	84	e140	2120	400	972	890	243	e76	e88	100	97
27	473	84	e150	1660	394	844	783	202	e80	e77	331	93
28	360	84	e130	1770	434	795	690	180	e140	e67	227	93
29	278	84	e110	2020	---	774	612	164	347	e68	155	95
30	230	82	e95	1590	---	738	544	153	305	e80	116	370
31	216	---	e94	1370	---	673	---	e140	---	e70	93	---
TOTAL	7979	3124	3450	24649	23609	25992	32604	8348	3738	2949	3135	3551
MEAN	257	104	111	795	843	838	1087	269	125	95.1	101	118
MAX	843	212	443	5500	1660	2240	3490	492	347	221	331	370
MIN	82	82	66	82	376	392	544	140	75	58	43	61

e Estimated.

WEST BRANCH SUSQUEHANNA RIVER BASIN

01541500 CLEARFIELD CREEK AT DIMELING, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1999, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	274	486	631	649	845	1294	1079	736	438	300	202	240
MAX	1024	1603	1693	1549	1708	2578	2786	1800	2522	1189	635	1393
(WY)	1980	1998	1973	1996	1976	1979	1993	1978	1972	1977	1984	1996
MIN	41.1	73.3	68.4	139	154	318	378	248	90.3	46.1	55.3	43.4
(WY)	1964	1965	1961	1961	1963	1969	1968	1976	1965	1965	1965	1964

SUMMARY STATISTICS	FOR 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1961 - 1999	
ANNUAL TOTAL	219161		143128			
ANNUAL MEAN	600		392		596	
HIGHEST ANNUAL MEAN					866	
LOWEST ANNUAL MEAN					350	
HIGHEST DAILY MEAN	5190	Apr 27	e5500	Jan 24	21100	Jun 23 1972
LOWEST DAILY MEAN	e66	Dec 16,17	43	Aug 12	30	Aug 17 1988
ANNUAL SEVEN-DAY MINIMUM	a68	Dec 14	49	Aug 6	37	Aug 12 1988
INSTANTANEOUS PEAK FLOW			6420	Jan 24	b22400	Jun 23 1972
INSTANTANEOUS PEAK STAGE			9.92	Jan 24	17.56	Jun 23 1972
10 PERCENT EXCEEDS	1620		1070		1350	
50 PERCENT EXCEEDS	279		140		332	
90 PERCENT EXCEEDS	81		71		83	

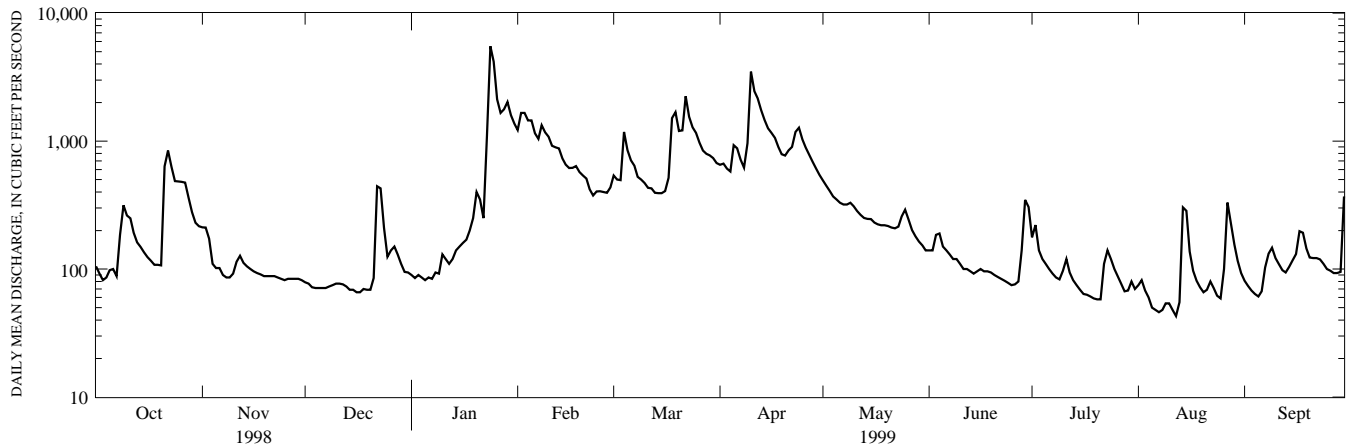
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1960, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	253	386	557	764	789	1284	1059	781	457	241	194	152
MAX	876	1355	1533	2152	1996	4153	2470	1656	1931	1233	901	1370
(WY)	1928	1922	1924	1937	1915	1936	1940	1960	1946	1956	1956	1926
MIN	16.9	26.0	55.1	34.3	103	390	245	121	102	68.7	24.9	22.3
(WY)	1931	1931	1931	1931	1934	1915	1925	1926	1949	1936	1930	1932

SUMMARY STATISTICS WATER YEARS 1914 - 1960

ANNUAL MEAN	576	
HIGHEST ANNUAL MEAN	921	1928
LOWEST ANNUAL MEAN	309	1931
HIGHEST DAILY MEAN	27100	Mar 18 1936
LOWEST DAILY MEAN	7.1	Oct 1 1925
ANNUAL SEVEN-DAY MINIMUM	13	Oct 4 1925
INSTANTANEOUS PEAK FLOW	b30600	Mar 18 1936
INSTANTANEOUS PEAK STAGE	c18.49	Mar 18 1936
INSTANTANEOUS LOW FLOW	6.0	Oct 1,9 1925
ANNUAL RUNOFF (CFSM)	1.55	
ANNUAL RUNOFF (INCHES)	21.08	
10 PERCENT EXCEEDS	1380	
50 PERCENT EXCEEDS	278	
90 PERCENT EXCEEDS	54	

- a Computed using estimated daily discharges.
- b From rating curve extended above 15,000 ft<sup>3</sup>/s.
- c From floodmark in gage.
- e Estimated.



1-YEAR HYDROGRAPH  
OCTOBER 1, 1998 TO SEPTEMBER 30, 1999