

## 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 2000 TO SEPTEMBER 2001  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	160	348	e280	e1500	425	769	433	246	203	72	116
2	95	152	316	e320	e1400	402	728	402	300	267	70	119
3	93	146	246	e260	e850	389	703	376	586	257	67	90
4	103	142	208	e240	e560	380	695	351	596	190	84	77
5	100	139	266	e220	e600	382	652	330	416	179	143	70
6	335	131	e240	e200	e560	342	809	305	347	184	111	66
7	353	125	e220	e190	e560	352	1070	283	318	174	91	63
8	231	122	e240	e180	e540	337	1000	269	292	158	75	62
9	179	125	e220	e190	e600	334	917	270	260	182	69	59
10	161	185	e200	e200	1840	323	1450	260	235	166	120	58
11	188	353	e240	e190	1680	299	1200	244	218	172	139	58
12	202	313	e440	e180	1140	292	1100	247	206	161	130	55
13	162	245	e600	e190	948	677	954	251	200	132	97	54
14	144	223	e580	e200	915	2050	824	227	185	119	84	73
15	132	209	e560	e200	1920	1560	770	213	170	110	74	80
16	124	191	e560	e190	1780	1270	2230	202	164	104	75	75
17	128	184	e850	e200	1750	1580	2400	194	266	101	134	67
18	1320	177	e1400	e190	1310	1510	1800	190	208	97	137	61
19	1090	166	e1000	e180	1020	1210	1450	188	167	95	134	55
20	548	158	e660	e200	923	1040	1220	178	152	89	180	58
21	409	154	e620	e240	848	1030	1300	180	149	84	204	66
22	342	143	e520	e270	699	2020	1120	206	158	80	125	67
23	293	133	e440	e230	636	1680	958	454	548	78	101	64
24	267	153	e380	e200	564	1390	860	325	695	75	92	78
25	250	151	e340	e190	559	1190	775	248	350	73	86	197
26	232	194	e320	e190	661	1010	698	365	254	95	80	205
27	213	325	e340	e180	565	854	641	415	213	89	79	128
28	205	348	e320	e180	481	768	584	408	190	80	87	98
29	205	314	e300	e180	---	708	518	373	174	75	85	87
30	184	317	e280	e280	---	783	471	310	163	73	81	77
31	171	---	e240	e700	---	903	---	267	---	73	83	---
TOTAL	8561	5878	13494	7040	27409	27490	30666	8964	8426	4015	3189	2483
MEAN	276	196	435	227	979	887	1022	289	281	130	103	82.8
MAX	1320	353	1400	700	1920	2050	2400	454	695	267	204	205
MIN	93	122	200	180	481	292	471	178	149	73	67	54

e Estimated.

WEST BRANCH SUSQUEHANNA RIVER BASIN

01541500 CLEARFIELD CREEK AT DIMELING, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2001, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	270	476	620	629	845	1273	1080	718	432	292	198	233
MAX (WY)	1024	1603	1693	1549	1708	2578	2786	1800	2522	1189	635	1393
MIN (WY)	1980	1998	1973	1996	1976	1979	1993	1978	1972	1977	1984	1996
MIN (WY)	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 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1961 - 2001	
ANNUAL TOTAL	153711		147615			
ANNUAL MEAN	420		404		587	
HIGHEST ANNUAL MEAN					866	
LOWEST ANNUAL MEAN					350	
HIGHEST DAILY MEAN	4190		Apr 22		2400	
LOWEST DAILY MEAN	62		Sep 9,10		54	
ANNUAL SEVEN-DAY MINIMUM	73		Sep 5		58	
MAXIMUM PEAK FLOW					3140	
MAXIMUM PEAK STAGE					7.36	
10 PERCENT EXCEEDS	935				1010	
50 PERCENT EXCEEDS	244				230	
90 PERCENT EXCEEDS	94				80	
					1330	
					327	
					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 (WY)	876	1355	1533	2152	1996	4153	2470	1656	1931	1233	901	1370
MIN (WY)	1928	1922	1924	1937	1915	1936	1940	1960	1946	1956	1956	1926
MIN (WY)	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	a30600	Mar 18 1936
INSTANTANEOUS PEAK STAGE	b18.49	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 From rating curve extended above 15,000 ft<sup>3</sup>/s.  
 b From floodmark in gage.

