

WEST BRANCH SUSQUEHANNA RIVER BASIN

01541500 CLEARFIELD CREEK AT DIMELING, PA
(Pennsylvania Water-Quality Network Station)

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 mi².

WATER-DISCHARGE RECORDS

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 National Geodetic Vertical Datum of 1929. 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	71	319	e210	734	283	1200	802	954	309	112	61
2	65	69	294	e210	683	287	1020	1130	626	279	104	60
3	65	71	219	e200	574	388	853	1530	449	273	93	60
4	61	71	185	e200	505	561	741	1080	418	256	87	59
5	60	71	166	e200	419	381	652	905	697	223	85	60
6	58	71	153	e220	386	390	590	779	2130	204	86	55
7	54	67	145	e210	372	378	538	697	3900	189	77	51
8	52	66	142	e200	350	358	496	638	1910	179	80	50
9	51	64	191	e190	329	340	464	1470	1320	181	76	48
10	51	62	257	e190	324	333	438	1810	992	253	72	47
11	52	61	209	e270	841	308	392	1250	805	230	69	45
12	54	61	180	e360	864	287	363	1200	705	182	67	44
13	56	61	177	e330	642	281	358	2740	611	162	66	43
14	62	59	190	e310	527	274	422	3960	738	153	62	42
15	106	59	207	e290	479	264	1070	2880	2070	147	60	51
16	141	59	209	e260	448	664	1370	2090	1740	139	59	89
17	125	59	275	e240	428	813	1170	1660	1170	130	59	81
18	107	59	1270	e220	390	705	879	2890	910	125	59	68
19	94	58	936	e200	347	800	762	3030	742	124	59	58
20	81	61	602	e210	343	984	743	2070	620	126	61	55
21	73	62	482	e250	388	1920	655	1650	534	125	58	54
22	69	61	391	e240	412	1410	639	1360	464	120	60	54
23	68	60	343	e210	365	1150	680	1130	410	125	79	55
24	125	59	336	e250	330	973	550	949	389	150	147	54
25	150	95	317	644	311	845	500	818	374	130	195	60
26	126	289	272	531	312	1580	469	713	379	116	124	58
27	100	228	e240	425	338	4480	418	623	558	127	95	177
28	87	166	e230	388	318	2610	515	550	640	145	80	289
29	80	238	e220	366	---	1890	926	609	444	131	72	184
30	76	297	e210	459	---	1560	734	507	365	114	68	115
31	73	---	e210	592	---	1260	---	500	---	123	65	---
TOTAL	2492	2835	9577	9075	12759	28757	20607	44020	28064	5270	2536	2227
MEAN	80.39	94.50	308.9	292.7	455.7	927.6	686.9	1420	935.5	170.0	81.81	74.23
MAX	150	297	1270	644	864	4480	1370	3960	3900	309	195	289
MIN	51	58	142	190	311	264	358	500	365	114	58	42

e Estimated.

WEST BRANCH SUSQUEHANNA RIVER BASIN

01541500 CLEARFIELD CREEK AT DIMELING, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2002, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	265.8	466.5	612.7	620.7	836.2	1265	1071	734.9	444.0	288.7	195.7	229.4
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 2001 CALENDAR YEAR	FOR 2002 WATER YEAR	WATER YEARS 1961 - 2002
ANNUAL TOTAL	134586	168219	
ANNUAL MEAN	369	461	584
HIGHEST ANNUAL MEAN			866 1972,1978
LOWEST ANNUAL MEAN			350 1969
HIGHEST DAILY MEAN	2400	Apr 17	4480 Mar 27 21100 Jun 23 1972
LOWEST DAILY MEAN	51	Oct 9,10	42 Sep 14 30 Aug 17 1988
ANNUAL SEVEN-DAY MINIMUM	53	Oct 7	46 Sep 8 37 Aug 12 1988
MAXIMUM PEAK FLOW			4840 Mar 27 a22400 Jun 23 1972
MAXIMUM PEAK STAGE			8.80 Mar 27 17.56 Jun 23 1972
10 PERCENT EXCEEDS	975		1130 1320
50 PERCENT EXCEEDS	200		256 325
90 PERCENT EXCEEDS	64		59 82

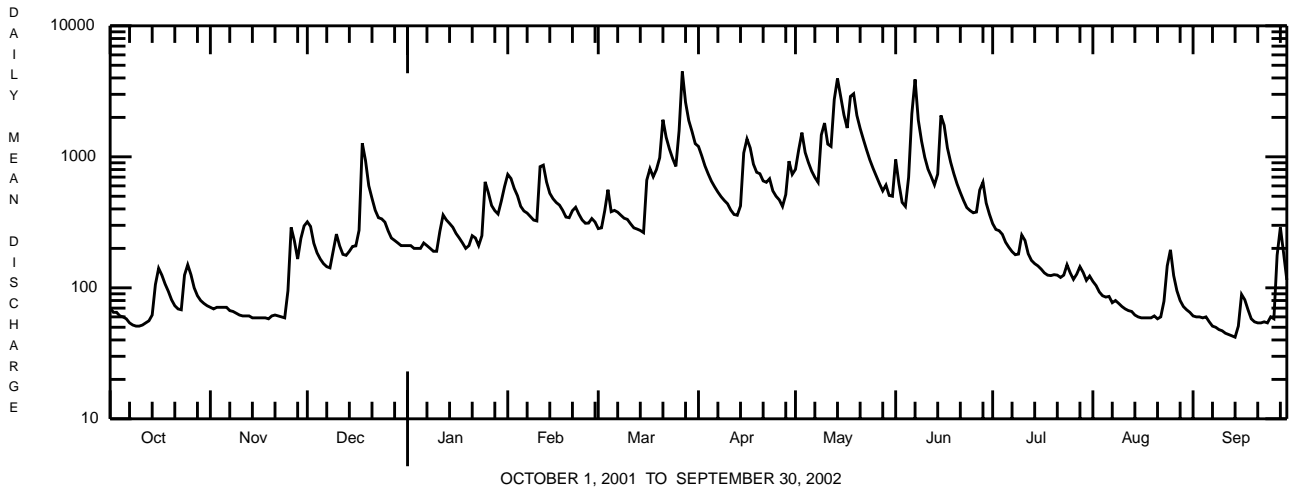
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 1960, BY WATER YEAR (WY) (PRIOR TO REGULATION)

	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
MAXIMUM PEAK FLOW	a30600	Mar 18 1936
MAXIMUM 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 ft³/s.
- b From floodmark in gage.



OCTOBER 1, 2001 TO SEPTEMBER 30, 2002

WEST BRANCH SUSQUEHANNA RIVER BASIN

01541500 CLEARFIELD CREEK AT DIMELING, PA--Continued
(Pennsylvania Water-Quality Network Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 2002 to current year.

REMARKS.--Other data for the Water-Quality Network can be found on pages 306-334.

COOPERATION.--Samples were collected as part of the Pennsylvania Department of Environmental Protection Water-Quality Network (WQN) with cooperation from the Pennsylvania Department of Environmental Protection.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	AGENCY ANA-LYZING SAMPLE (CODE NUMBER)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING METHOD, CODES (82398)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	SPE-CIFIC CON-DUCT-ANCE (µS/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	HARD-NESS TOTAL (MG/L) (00900)	CALCIUM TOTAL RECOV-ERABLE (MG/L) (00916)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L) (00927)	ANC WATER UNFLTRD FET LAB (MG/L) (00417)	SULFATE DIS-SOLVED (MG/L) (00945)
APR 2002 30...	0900	9813	729	30	11.4	7.1	337	9.2	140	30.5	14.6	12	122
JUN 19...	1330	9813	735	30	10.4	7.1	340	10.3	160	35.5	16.5	15	159
AUG 27...	1330	9813	93	30	8.6	7.3	805	24.5	400	90.1	43.3	7	411

Date	RESIDUE AT 105 DEG. C, DIS-SOLVED (MG/L) (00515)	RESIDUE AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, AMMONIA TOTAL (MG/L) (00610)	NITRO-GEN, NITRATE TOTAL (MG/L) (00620)	NITRO-GEN, NITRITE TOTAL (MG/L) (00615)	NITRO-GEN, TOTAL (MG/L) (00600)	PHOS-PHORUS ORTHO TOTAL (MG/L) (70507)	PHOS-PHORUS TOTAL (MG/L) (00665)	CARBON, ORGANIC TOTAL (MG/L) (00680)	COPPER, TOTAL RECOV-ERABLE (µG/L) (01042)	IRON, TOTAL RECOV-ERABLE (µG/L) (01045)	LEAD, TOTAL RECOV-ERABLE (µG/L) (01051)	MANGA-NESE, TOTAL RECOV-ERABLE (µG/L) (01055)
APR 2002 30...	220	18	<.020	.42	<.040	.64	<.01	.020	2.2	<10	100	<1.0	1400
JUN 19...	288	16	<.020	.44	<.040	.62	.01	.010	1.7	<10	1840	<1.0	1750
AUG 27...	726	4	.040	.24	<.040	.29	<.01	<.010	1.3	<10	230	<1.0	4040

Date	NICKEL, TOTAL RECOV-ERABLE (µG/L) (01067)	ZINC, TOTAL RECOV-ERABLE (µG/L) (01092)
APR 2002 30...	<50	60
JUN 19...	57	50
AUG 27...	83	40