

WEST BRANCH SUSQUEHANNA RIVER BASIN

01545000 KETTLE CREEK NEAR WESTPORT, PA

LOCATION.--Lat 41°19'10", long 77°52'27", Clinton County, Hydrologic Unit 02050203, on left bank on SR 4001, 0.4 mi upstream from Short Bond Run, 3.5 mi upstream from mouth and Westport, and 5.0 mi downstream from Alvin R. Bush Dam (Kettle Creek Lake).

DRAINAGE AREA.--233 mi².

PERIOD OF RECORD.--October 1954 to current year.

GAGE.--Water-stage recorder. Datum of gage is 728.24 ft above sea level. Prior to Oct. 14, 1956, nonrecording gage at same site and datum.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated since February 1962 by Alvin R. Bush Dam (station 01544800). 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	20	26	131	e140	107	182	677	283	204	81	26	404
2	20	26	113	e140	113	185	707	265	209	147	25	248
3	19	26	e64	e120	e95	179	701	256	223	91	25	176
4	17	26	e62	e100	e70	167	672	213	221	62	25	134
5	23	26	e120	e120	82	172	667	198	202	70	20	126
6	57	26	113	e140	110	128	886	179	192	71	19	94
7	76	19	75	e120	105	144	1320	162	183	64	19	83
8	64	19	79	e120	89	156	1790	155	163	55	18	65
9	44	22	92	e110	103	143	1880	155	144	52	14	60
10	36	38	e52	e100	174	135	2120	145	137	53	17	58
11	17	42	55	e94	337	121	1660	135	135	75	20	53
12	17	52	127	e76	354	125	1170	137	121	62	16	44
13	22	51	125	e100	382	184	934	138	110	47	13	45
14	26	45	99	e120	347	290	752	119	96	40	13	94
15	27	41	110	113	445	330	570	107	90	36	13	102
16	23	37	121	98	586	333	645	99	85	35	15	53
17	42	37	310	99	620	360	641	81	66	35	55	54
18	78	37	634	98	577	427	669	79	54	42	72	53
19	92	34	588	88	462	457	664	91	66	57	35	51
20	58	28	e460	71	466	474	594	87	67	38	127	50
21	47	28	e360	e68	417	577	607	94	83	32	117	81
22	47	28	e300	e60	302	1350	632	117	109	28	52	78
23	44	e28	e240	e67	301	1190	710	172	186	27	53	44
24	37	e28	e260	e80	281	1030	785	157	291	26	53	81
25	37	e28	e280	e80	262	896	660	129	180	25	45	414
26	37	50	e180	e70	243	705	547	131	145	64	42	536
27	37	166	e160	e56	216	571	486	162	110	51	70	448
28	36	172	e180	e60	204	474	417	205	90	42	90	356
29	32	155	e130	e70	---	412	347	233	81	31	100	269
30	26	150	e140	e84	---	476	323	224	81	27	68	219
31	26	---	e140	97	---	570	---	205	---	26	85	---
TOTAL	1184	1491	5900	2959	7850	12943	25233	4913	4124	1592	1362	4573
MEAN	38.2	49.7	190	95.5	280	418	841	158	137	51.4	43.9	152
MAX	92	172	634	140	620	1350	2120	283	291	147	127	536
MIN	17	19	52	56	70	121	323	79	54	25	13	44

e Estimated.

WEST BRANCH SUSQUEHANNA RIVER BASIN

01545000 KETTLE CREEK NEAR WESTPORT, PA--Continued

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2001, BY WATER YEAR (WY) (SINCE REGULATION)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	188	352	412	349	451	730	811	465	271	145	99.8	122
MAX	1096	1060	954	857	1330	1739	2453	920	1278	677	927	1058
(WY)	1991	1971	1973	1979	1981	1979	1993	1996	1972	1972	1994	1975
MIN	13.5	5.37	55.4	63.8	78.8	167	309	141	39.8	8.06	7.69	13.0
(WY)	1965	1965	1999	1981	1963	1968	1976	1999	1999	1962	1962	1991

SUMMARY STATISTICS

FOR 2000 CALENDAR YEAR

FOR 2001 WATER YEAR

WATER YEARS 1962 - 2001

ANNUAL TOTAL		103678.8		74124								
ANNUAL MEAN		283		203						365		
HIGHEST ANNUAL MEAN										575		1994
LOWEST ANNUAL MEAN										203		2001
HIGHEST DAILY MEAN				2550	Feb 28		2120	Apr 10		7200	Apr 14	1970
LOWEST DAILY MEAN				8.5	Sep 9,10		13	Aug 13-15		4.4	Nov 3	1964 ^a
ANNUAL SEVEN-DAY MINIMUM				10	Sep 6		15	Aug 9		4.6	Nov 2	1964
MAXIMUM PEAK FLOW							2240	Apr 10		7540	Apr 13	1970
MAXIMUM PEAK STAGE							5.59	Apr 10		10.17	Apr 13	1970
INSTANTANEOUS LOW FLOW										3.0	Dec 6	1964
10 PERCENT EXCEEDS				782			570			866		
50 PERCENT EXCEEDS				130			100			179		
90 PERCENT EXCEEDS				22			26			29		

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 1961, BY WATER YEAR (WY) (PRIOR TO REGULATION)

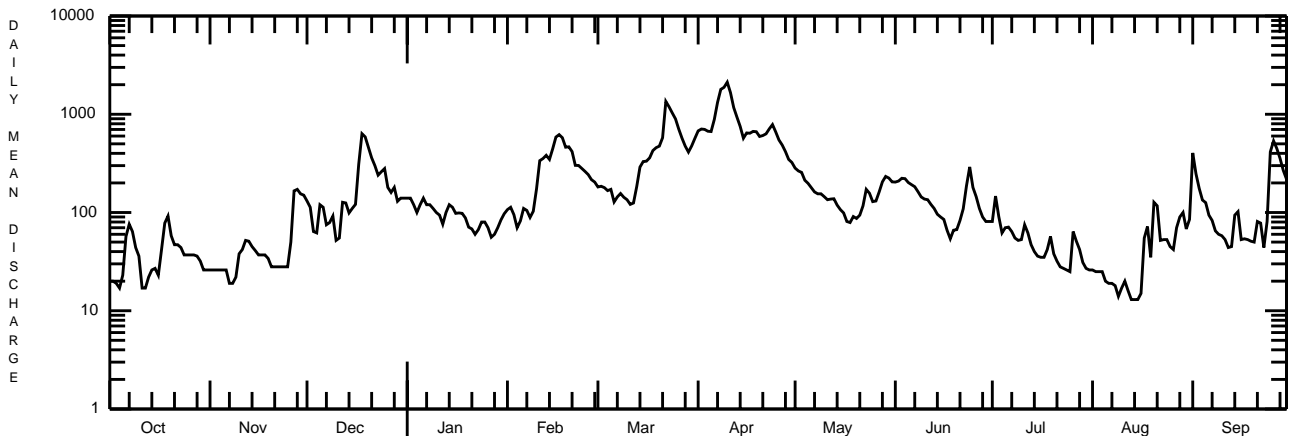
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	192	247	373	297	387	837	1066	541	204	131	120	72.8
MAX	709	647	708	564	713	1373	1496	1103	631	318	276	177
(WY)	1956	1960	1957	1959	1961	1955	1958	1960	1960	1958	1956	1958
MIN	23.7	41.3	27.0	27.6	127	394	411	151	63.9	25.1	16.9	24.3
(WY)	1958	1961	1961	1961	1958	1960	1955	1955	1955	1955	1957	1957

SUMMARY STATISTICS

WATER YEARS 1955 - 1961

ANNUAL MEAN		372										
HIGHEST ANNUAL MEAN		492					1956					
LOWEST ANNUAL MEAN		266					1955					
HIGHEST DAILY MEAN		5970			Mar 8		1956					
LOWEST DAILY MEAN		8.9			Sep 10		1957					
ANNUAL SEVEN-DAY MINIMUM		10			Sep 24		1959					
INSTANTANEOUS PEAK FLOW		b 7970			Mar 8		1956					
INSTANTANEOUS PEAK STAGE		c 13.31			Jan 22		1959					
INSTANTANEOUS LOW FLOW		8.9			Sep 9,10		1957					
ANNUAL RUNOFF (CFSM)		1.60										
ANNUAL RUNOFF (INCHES)		21.69										
10 PERCENT EXCEEDS		942										
50 PERCENT EXCEEDS		160										
90 PERCENT EXCEEDS		26										

- a Also Nov. 6, 12, 1964.
- b Gage height 10.48 ft.
- c Backwater from ice.



OCTOBER 1, 2000 TO SEPTEMBER 30, 2001