

WEST BRANCH SUSQUEHANNA RIVER BASIN

01549500 BLOCKHOUSE CREEK NEAR ENGLISH CENTER, PA

LOCATION.--Lat 41°28'25", long 77°13'52", Lycoming County, Hydrologic Unit 02050205, on right bank just downstream from bridge on State Highway 284, 0.7 mi upstream from Blacks Creek, 1.7 mi upstream from confluence with Texas Creek, and 5.0 mi northeast of English Center.

DRAINAGE AREA.--37.7 mi².

PERIOD OF RECORD.--October 1940 to current year.

REVISED RECORDS.--WSP 951: 1941. WSP 1031: 1942-44(M). WSP 1502: 1942. WDR PA-75-2: 1973(P), 1974(P).

GAGE.--Water-stage recorder. Datum of gage is 1,041.85 ft above sea level.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 18, 1936 reached a stage of 9.0 ft. from floodmark, discharge, 5,780 ft³/s, from rating curve extended above 1,200 ft³/s on basis of contracted-opening measurement at gage height 8.81 ft.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 1,100 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Nov. 26	2115	*2,210	*6.13	No other peak greater than base discharge.			

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	17	94	37	e26	226	60	54	46	31	20	e2.5
2	79	19	77	36	e24	174	57	53	44	27	12	e2.7
3	58	43	69	40	e23	126	70	47	41	25	8.5	e3.5
4	78	28	64	73	e22	104	368	44	34	25	7.2	3.3
5	58	24	57	57	e22	90	240	42	46	22	6.0	e2.8
6	48	22	58	45	e21	76	178	39	72	19	6.6	e2.6
7	42	21	51	44	e20	68	133	36	e50	17	16	e2.4
8	38	20	46	43	e21	64	167	36	e41	15	11	e2.2
9	40	20	43	43	e22	61	250	e32	e36	13	7.7	e2.1
10	46	20	42	73	e22	58	191	31	32	14	6.4	e2.0
11	44	19	41	86	e24	64	160	30	43	13	5.6	e1.8
12	38	18	37	69	e25	109	134	e29	68	11	6.0	e2.1
13	36	18	36	e64	e24	79	107	e35	85	9.9	7.1	8.7
14	51	17	126	e56	e84	75	92	e30	79	15	5.8	5.6
15	41	17	148	e42	e110	73	80	e25	76	31	4.9	4.1
16	38	16	120	e44	e80	90	71	23	81	24	4.3	3.9
17	37	15	105	e39	e70	232	129	e21	74	19	3.7	3.2
18	35	14	91	e35	64	145	386	e50	82	14	3.4	e2.6
19	32	14	79	e35	75	128	367	e100	88	11	3.5	e2.4
20	31	14	99	e37	53	108	256	61	71	10	3.2	e2.2
21	29	14	113	e34	e42	168	232	55	92	9.2	e2.8	e2.5
22	27	14	87	e31	e38	231	209	63	113	9.3	e2.6	e2.3
23	27	14	78	e29	50	174	198	e100	87	8.2	e4.5	e2.0
24	25	13	70	e30	81	146	159	e360	73	7.5	7.3	e2.2
25	23	20	e67	e29	195	125	131	e340	62	7.1	4.5	e2.5
26	22	466	e61	e27	273	109	108	161	59	6.6	3.5	e3.3
27	21	611	55	e26	326	92	93	111	57	6.5	3.2	4.6
28	20	287	49	e24	544	100	81	87	48	6.6	3.0	3.7
29	19	174	46	e23	321	82	70	70	43	8.5	e2.8	e2.8
30	18	121	43	e23	---	73	61	58	37	8.5	e2.7	e2.5
31	18	---	41	e25	---	66	---	e50	---	8.8	e2.6	---
TOTAL	1238	2130	2193	1299	2702	3516	4838	2273	1860	452.7	188.4	91.1
MEAN	39.9	71.0	70.7	41.9	93.2	113	161	73.3	62.0	14.6	6.08	3.04
MAX	119	611	148	86	544	232	386	360	113	31	20	8.7
MIN	18	13	36	23	20	58	57	21	32	6.5	2.6	1.8
CFSM	1.06	1.88	1.88	1.11	2.47	3.01	4.28	1.94	1.64	.39	.16	.08
IN.	1.22	2.10	2.16	1.28	2.67	3.47	4.77	2.24	1.84	.45	.19	.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2000, BY WATER YEAR (WY)

MEAN	33.3	62.1	67.0	57.4	69.2	124	125	78.1	41.3	18.6	14.6	15.8
MAX	194	195	184	182	268	260	429	211	303	74.7	204	115
(WY)	1991	1978	1974	1996	1981	1945	1993	1946	1972	1990	1994	1975
MIN	1.36	3.25	4.34	6.18	12.8	16.5	24.8	15.7	5.42	1.98	1.21	.43
(WY)	1965	1999	1999	1981	1941	1969	1946	1941	1991	1955	1966	1964

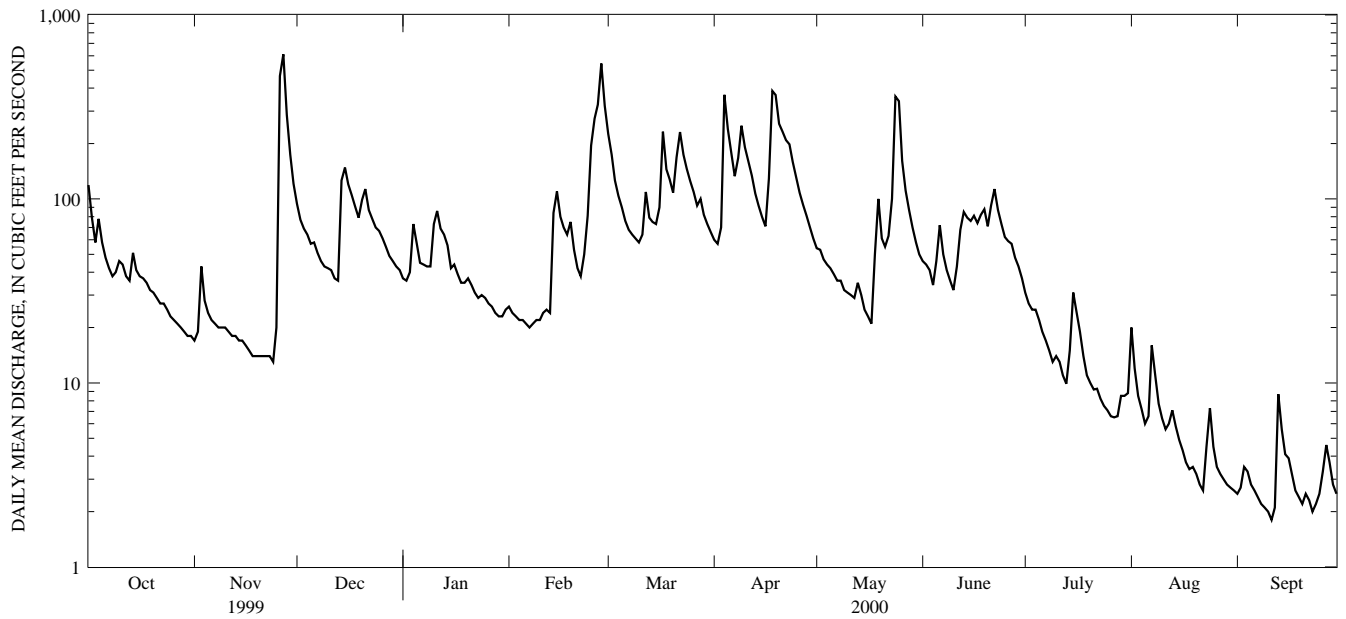
e Estimated.

WEST BRANCH SUSQUEHANNA RIVER BASIN

01549500 BLOCKHOUSE CREEK NEAR ENGLISH CENTER, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1941 - 2000	
ANNUAL TOTAL	18898.04		22781.2			
ANNUAL MEAN	51.8		62.2		58.8	
HIGHEST ANNUAL MEAN					104	1978
LOWEST ANNUAL MEAN					26.3	1965
HIGHEST DAILY MEAN	e1300	Mar 4	611	Nov 27	3180	Jun 22 1972
LOWEST DAILY MEAN	e.60	Sep 3	e1.8	Sep 11	.00	Aug 6 1962c
ANNUAL SEVEN-DAY MINIMUM	a.69	Aug 31	a2.2	Sep 6	.19	Aug 29 1962
INSTANTANEOUS PEAK FLOW			b2210	Nov 26	b6260	Jun 23 1972
INSTANTANEOUS PEAK STAGE			6.13	Nov 26	9.34	Jun 23 1972
INSTANTANEOUS LOW FLOW					.00	Aug 6 1962c
ANNUAL RUNOFF (CFSM)	1.37		1.65		1.56	
ANNUAL RUNOFF (INCHES)	18.65		22.48		21.20	
10 PERCENT EXCEEDS	111		133		133	
50 PERCENT EXCEEDS	26		39		27	
90 PERCENT EXCEEDS	2.1		3.7		3.7	

- a Computed using estimated daily discharges.
- b From rating curve extended above 1,200 ft³/s on basis of contracted-opening measurement at gage height 8.81 ft.
- c Also Aug. 31, Sept. 1, 2, 1962.
- e Estimated.



1-YEAR HYDROGRAPH
OCTOBER 1, 1999 TO SEPTEMBER 30, 2000