

WEST BRANCH SUSQUEHANNA RIVER BASIN

01545600 YOUNG WOMANS CREEK NEAR RENOVO, PA

LOCATION.--Lat 41°23'22", long 77°41'28", Clinton County, Hydrologic Unit 02050203, on left bank on SR 4005, 0.3 mi downstream from Laurelly Fork, 1.5 mi upstream from Left Branch Young Womans Creek, 3.7 mi upstream from mouth, and 5.0 mi northeast of Renovo.

DRAINAGE AREA.--46.2 mi².

PERIOD OF RECORD.--December 1964 to current year.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 780.41 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.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 460 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Apr. 9	2300	*325	*2.87	(No peaks above base discharge.)			

**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	4.5	5.9	16	e23	19	46	125	66	42	20	4.9	30
2	4.2	5.9	15	e22	16	46	130	62	45	22	4.2	15
3	4.1	5.7	e10	e20	13	43	130	57	51	15	4.3	12
4	3.9	5.5	e11	e18	16	42	129	52	44	13	4.7	11
5	6.8	5.5	e12	e22	15	43	141	49	40	13	4.1	11
6	23	5.3	e11	e22	14	51	183	46	39	11	3.4	8.8
7	12	5.1	e9.5	e18	14	39	243	43	37	10	2.8	7.4
8	8.7	5.1	e10	e16	13	37	294	40	34	11	2.4	7.0
9	7.2	5.3	e11	e12	17	38	298	38	32	10	2.2	6.5
10	6.6	10	e10	e14	43	36	284	35	31	13	8.6	6.5
11	6.1	11	13	e16	e45	36	233	33	30	15	5.4	6.5
12	5.7	8.9	23	e12	e57	35	195	35	29	11	3.7	5.2
13	5.4	7.7	15	e14	48	61	166	31	24	9.3	3.3	5.2
14	5.1	7.4	19	e12	51	78	141	29	21	8.6	2.6	26
15	5.1	6.8	17	e14	71	71	123	28	19	7.8	2.2	11
16	5.1	6.3	18	e14	81	68	152	25	19	7.4	3.1	8.7
17	6.9	6.2	84	e14	90	81	152	23	18	7.9	19	7.3
18	35	6.2	84	e12	88	89	150	23	16	9.5	6.7	6.7
19	18	6.3	81	e12	e85	90	142	22	14	7.4	5.7	6.3
20	12	5.9	70	e11	80	94	132	20	13	6.6	14	9.7
21	10	5.9	e56	e10	74	118	135	21	18	6.1	7.7	12
22	9.2	5.8	e48	e9.0	e67	197	124	23	22	5.1	5.3	9.3
23	8.3	e5.0	e42	e8.0	e61	184	119	28	43	5.0	5.7	7.6
24	7.9	e5.0	e38	e8.0	e57	176	120	20	31	5.4	8.6	34
25	7.6	e5.2	e33	e11	54	159	111	19	20	6.8	5.5	122
26	7.2	17	e28	e10	55	138	102	59	16	17	4.6	92
27	7.0	25	e34	e9.0	50	118	94	45	14	8.2	28	76
28	7.0	19	e30	e10	47	103	87	52	13	6.2	12	63
29	6.6	17	e28	e9.0	---	93	78	47	12	5.1	14	51
30	6.5	17	e26	e12	---	112	71	45	11	5.5	9.1	43
31	6.2	---	e24	23	---	117	---	42	---	5.9	12	---
TOTAL	268.9	253.9	926.5	437.0	1341	2639	4584	1158	798	304.8	219.8	717.7
MEAN	8.67	8.46	29.9	14.1	47.9	85.1	153	37.4	26.6	9.83	7.09	23.9
MAX	35	25	84	23	90	197	298	66	51	22	28	122
MIN	3.9	5.0	9.5	8.0	13	35	71	19	11	5.0	2.2	5.2
CFSM	.19	.18	.65	.31	1.04	1.84	3.31	.81	.58	.21	.15	.52
IN.	.22	.20	.75	.35	1.08	2.12	3.69	.93	.64	.25	.18	.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2001, BY WATER YEAR (WY)

MEAN	38.3	74.9	80.7	65.7	88.4	136	160	94.9	59.4	33.4	21.9	23.5
MAX	181	211	194	164	250	349	447	204	303	162	244	211
(WY)	1991	1997	1973	1996	1984	1979	1993	1996	1972	1992	1994	1975
MIN	4.05	4.65	8.63	8.25	19.6	44.7	60.9	31.8	9.09	4.64	2.47	2.17
(WY)	1983	1999	1999	1981	1987	1969	1988	1999	1991	1966	1999	1998

e Estimated.

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01545600 YOUNG WOMANS CREEK NEAR RENOVO, PA--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR			FOR 2001 WATER YEAR			WATER YEARS 1965 - 2001	
ANNUAL TOTAL	20624.1			13648.6				
ANNUAL MEAN	56.3			37.4			73.5	
HIGHEST ANNUAL MEAN							118	1994
LOWEST ANNUAL MEAN							37.4	2001
HIGHEST DAILY MEAN	496	Apr	4	298	Apr	9	3310	Jun 23 1972
LOWEST DAILY MEAN	3.3	Sep	9	2.2	Aug	9,15	.53	Sep 4 1999
ANNUAL SEVEN-DAY MINIMUM	3.7	Sep	5	3.4	Aug	3	.92	Aug 30 1999
MAXIMUM PEAK FLOW				325	Apr	9	a5370	Jun 23 1972
MAXIMUM PEAK STAGE				2.87	Apr	9	7.98	Jun 23 1972
ANNUAL RUNOFF (CFSM)	1.22			.81			1.59	
ANNUAL RUNOFF (INCHES)	16.61			10.99			21.62	
10 PERCENT EXCEEDS	141			102			170	
50 PERCENT EXCEEDS	27			17			40	
90 PERCENT EXCEEDS	5.1			5.4			6.2	

a From rating curve extended above 1,000 ft³/s on basis of slope-area measurement of peak flow.

