

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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair 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)
Mar. 21	2115	*829	*3.88	Sept. 28	1300	562	3.41
July 28	0000	465	3.21				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	33	48	84	e32	e54	131	39	248	41	273	26
2	15	31	43	147	e34	e48	159	39	270	36	284	72
3	13	28	38	125	e35	e46	177	36	239	32	244	56
4	12	27	e32	114	e40	e44	188	33	212	29	213	99
5	13	26	43	102	e36	42	251	35	179	27	179	86
6	11	34	42	92	e32	40	283	36	151	25	166	78
7	9.2	35	41	83	e33	e38	263	35	154	28	148	69
8	7.9	36	34	78	e28	e36	225	40	146	27	136	61
9	7.4	37	25	80	e24	42	190	37	147	23	149	54
10	7.2	38	26	79	e26	e40	165	36	131	23	159	48
11	7.5	40	39	71	e25	e38	157	41	120	49	158	42
12	8.9	38	40	66	e24	e39	152	48	147	29	148	38
13	9.6	40	30	63	e26	47	142	48	143	22	128	39
14	9.0	37	46	e60	e23	47	131	48	138	19	110	44
15	7.4	36	49	57	e24	56	122	49	124	18	94	46
16	14	39	46	e54	e22	102	112	66	106	17	83	63
17	25	84	41	e50	e23	214	105	79	90	15	75	51
18	18	118	e36	e47	e25	407	93	88	84	28	62	48
19	19	117	40	e48	e30	510	86	92	72	33	54	72
20	22	105	78	e48	e28	510	77	90	66	21	47	84
21	19	93	116	e43	e28	721	72	90	139	44	42	83
22	18	93	119	e44	47	791	71	77	149	191	39	84
23	18	86	108	e40	110	572	63	69	145	158	35	148
24	16	78	95	e41	106	432	58	86	125	139	31	148
25	16	74	90	e43	97	360	54	82	103	117	28	145
26	44	69	77	e40	90	323	52	119	86	95	27	125
27	42	64	66	e36	80	275	49	151	72	139	27	121
28	40	58	59	e33	65	226	45	159	61	371	24	511
29	37	55	55	e34	---	197	43	144	51	297	23	472
30	37	52	49	e30	---	173	41	124	47	221	27	335
31	35	---	49	e31	---	148	---	131	---	163	22	---
TOTAL	576.1	1701	1700	1963	1193	6618	3757	2247	3945	2477	3235	3348
MEAN	18.6	56.7	54.8	63.3	42.6	213	125	72.5	132	79.9	104	112
MAX	44	118	119	147	110	791	283	159	270	371	284	511
MIN	7.2	26	25	30	22	36	41	33	47	15	22	26
CFM	0.40	1.23	1.19	1.37	0.92	4.62	2.71	1.57	2.85	1.73	2.26	2.42
IN.	0.46	1.37	1.37	1.58	0.96	5.33	3.03	1.81	3.18	1.99	2.60	2.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2003, BY WATER YEAR (WY)

MEAN	37.5	73.2	80.6	64.9	87.3	137	159	96.5	61.2	34.0	23.5	25.4
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1965 - 2003	
ANNUAL TOTAL	22697.8		32760.1			
ANNUAL MEAN	62.2		89.8		73.7	
HIGHEST ANNUAL MEAN					118	1994
LOWEST ANNUAL MEAN					37.4	2001
HIGHEST DAILY MEAN	590	May 14	791	Mar 22	3310	Jun 23 1972
LOWEST DAILY MEAN	1.0	Sep 10,11	7.2	Oct 10	0.53	Sep 4 1999
ANNUAL SEVEN-DAY MINIMUM	1.1	Sep 8	8.1	Oct 9	0.92	Aug 30 1999
MAXIMUM PEAK FLOW			829	Mar 21	a5370	Jun 23 1972
MAXIMUM PEAK STAGE			3.88	Mar 21	7.98	Jun 23 1972
ANNUAL RUNOFF (CFSM)	1.35		1.94		1.60	
ANNUAL RUNOFF (INCHES)	18.28		26.38		21.68	
10 PERCENT EXCEEDS	137		178		170	
50 PERCENT EXCEEDS	41		52		41	
90 PERCENT EXCEEDS	3.5		23		6.4	

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

