

CLARION RIVER BASIN

03026500 SEVENMILE RUN NEAR RASSELAS, PA

LOCATION.--Lat 41°37'52", long 78°34'37", McKean County, Hydrologic Unit 05010005, on right bank 300 ft upstream from highway bridge, 600 ft upstream from Fivemile Run, and 3.2 mi northeast of Rasselas.

DRAINAGE AREA.--7.84 mi².

PERIOD OF RECORD.--October 1951 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,690.73 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. U.S. Army Corps of Engineers satellite telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than a base discharge of 200 ft³/s and maximum (*):

Date	Time	Discharge ft ³ /s	Gage Height (ft)	Date	Time	Discharge ft ³ /s	Gage Height (ft)
Dec. 17	1300	*111	*3.28	(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	3.0	4.7	11	e5.8	e5.1	e9.6	30	9.0	7.0	2.2	.69	3.6
2	2.9	4.6	9.8	e5.4	e4.4	e9.0	33	8.4	8.1	1.9	.66	1.4
3	2.7	4.4	13	e5.0	e6.0	e8.0	28	7.7	9.8	1.6	.85	.99
4	3.2	4.2	e9.2	e4.8	e6.1	e7.4	27	7.0	8.4	1.6	.82	.84
5	8.4	4.0	e7.8	e4.6	e5.6	e7.0	32	6.4	7.1	1.8	.63	.79
6	50	3.7	e7.3	e4.4	e5.4	e6.3	46	5.9	6.4	1.4	.58	.68
7	25	3.5	e6.7	e4.4	e5.1	e5.9	53	5.3	5.9	1.3	.53	.64
8	20	3.5	e6.4	e4.3	e5.5	e5.4	49	5.0	5.3	1.3	.50	.58
9	16	3.6	e6.0	e4.1	e14	e5.1	48	5.2	4.7	1.2	.49	.56
10	14	5.7	e5.8	e4.0	57	e4.8	48	4.7	4.5	1.1	.54	.76
11	12	7.2	e5.4	e3.8	33	e4.6	36	4.5	5.0	2.2	.53	.78
12	10	5.8	e5.3	e3.7	25	e4.3	30	12	4.3	1.5	.49	.70
13	9.2	5.1	e6.4	e3.7	22	e5.0	24	7.8	3.7	1.1	.36	1.0
14	8.2	4.9	e5.6	e3.6	35	e10	20	6.1	3.3	1.0	.32	2.2
15	6.9	4.7	e6.4	e3.6	61	12	18	5.6	2.9	.96	.29	1.1
16	6.4	4.5	e11	e3.6	42	11	28	5.0	2.7	.90	.33	.72
17	6.7	4.7	72	e3.5	34	12	25	4.8	2.6	1.1	.58	.63
18	11	4.5	45	e3.4	e23	12	21	4.8	2.3	.97	.43	.57
19	8.1	4.3	33	e3.4	e20	12	18	4.5	2.2	.88	1.2	.63
20	6.8	4.2	e21	e3.4	e18	14	19	4.1	2.0	.82	1.8	1.1
21	6.2	4.1	e18	e3.3	e16	21	28	4.3	2.1	.73	.89	1.2
22	5.9	4.0	e15	e3.2	e14	42	25	6.9	5.4	.70	.62	1.1
23	5.5	4.2	e13	e3.2	e13	34	21	22	4.6	.69	.76	1.0
24	5.6	4.9	e11	e3.2	e12	32	19	11	4.3	.68	.87	1.3
25	5.5	5.7	e10	e3.1	e14	25	17	9.6	2.8	1.7	.64	3.1
26	5.1	9.8	e9.4	e3.1	e15	21	15	9.7	2.2	2.6	.91	1.9
27	4.8	16	e8.4	e3.1	e12	18	14	10	2.5	1.2	2.7	1.5
28	7.6	15	e8.0	e3.0	e11	16	12	11	1.7	.91	1.3	1.7
29	5.6	13	e10	e3.0	---	16	11	9.5	1.6	.76	1.0	1.6
30	5.1	13	e7.5	e3.9	---	32	9.8	8.2	1.5	.82	.77	1.2
31	4.8	---	e6.6	e6.0	---	29	---	7.2	---	.79	1.8	---
TOTAL	292.2	181.5	411.0	120.6	534.2	451.4	804.8	233.2	126.9	38.41	24.88	35.87
MEAN	9.43	6.05	13.3	3.89	19.1	14.6	26.8	7.52	4.23	1.24	.80	1.20
MAX	50	16	72	6.0	61	42	53	22	9.8	2.6	2.7	3.6
MIN	2.7	3.5	5.3	3.0	4.4	4.3	9.8	4.1	1.5	.68	.29	.56
CFSM	1.20	.77	1.69	.50	2.43	1.86	3.42	.96	.54	.16	.10	.15
IN.	1.39	.86	1.95	.57	2.53	2.14	3.82	1.11	.60	.18	.12	.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2001, BY WATER YEAR (WY)

MEAN	8.05	14.4	17.1	14.9	16.9	28.1	29.1	17.1	11.5	5.33	5.20	6.06
MAX	29.7	49.5	35.9	56.4	49.9	70.8	70.6	47.8	74.0	26.0	32.8	39.7
(WY)	1971	1986	1978	1952	1976	1964	1970	1953	1989	1992	1956	1987
MIN	.32	.66	.94	1.55	2.22	9.85	11.2	4.05	1.14	.50	.52	.28
(WY)	1965	1965	1961	1961	1987	1993	1976	1985	1991	1991	1966	1964

e Estimated.

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03026500 SEVENMILE RUN NEAR RASSELAS, PA--Continued

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1952 - 2001	
ANNUAL TOTAL	4509.0		3254.96			
ANNUAL MEAN	12.3		8.92		14.4	
HIGHEST ANNUAL MEAN					21.1	1984
LOWEST ANNUAL MEAN					8.92	2001
HIGHEST DAILY MEAN	129	Apr 4	72	Dec 17	465	Jun 20 1989
LOWEST DAILY MEAN	1.1	Jul 27	.29	Aug 15	.07	Sep 21 1955
ANNUAL SEVEN-DAY MINIMUM	1.3	Jul 24	.40	Aug 12	.14	Sep 16 1955
MAXIMUM PEAK FLOW			111	Dec 17	a2300	Sep 13 1987
MAXIMUM PEAK STAGE			3.28	Dec 17	5.30	Sep 13 1987
INSTANTANEOUS LOW FLOW			.21	Aug 15,16	.07	Sep 21 1955
ANNUAL RUNOFF (CFSM)	1.57		1.14		1.84	
ANNUAL RUNOFF (INCHES)	21.39		15.44		24.94	
10 PERCENT EXCEEDS	28		22		32	
50 PERCENT EXCEEDS	6.8		5.1		8.0	
90 PERCENT EXCEEDS	2.5		.79		.98	

a From rating curve extended above 600 ft³/s on basis of slope-area measurement at gage height 4.60 ft and contracted-opening measurement at gage height 5.02 ft.

