

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 National Geodetic Vertical Datum of 1929.

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)
June 14	1200	*559	*4.65	No other peak greater than base discharge.			

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.0	5.4	20	e9.2	69	12	32	30	11	5.3	5.8	1.3
2	0.93	5.2	16	e8.4	48	11	26	41	8.6	4.9	2.4	1.2
3	0.94	8.9	14	e7.7	36	19	30	34	7.6	4.4	3.3	1.1
4	0.99	6.8	12	e7.1	28	17	24	28	7.8	3.7	1.6	1.2
5	1.2	5.9	11	e6.5	22	17	20	24	16	3.2	2.4	1.0
6	1.2	5.2	10	e6.0	19	14	19	20	69	2.9	1.8	0.85
7	1.1	4.8	9.4	e5.5	16	14	18	19	42	2.7	1.2	0.78
8	1.3	4.4	8.7	e5.2	14	12	16	16	30	2.5	1.0	0.78
9	1.2	4.5	8.3	e5.2	13	12	16	44	22	2.6	1.00	0.69
10	1.1	4.0	7.8	e5.1	15	14	17	43	17	2.7	0.94	0.64
11	0.98	3.8	7.1	e5.1	36	12	14	33	14	2.2	0.84	0.71
12	1.0	3.4	6.6	e5.1	24	12	13	75	13	2.0	0.79	0.66
13	1.2	3.1	7.8	e5.0	20	11	19	131	13	1.9	0.73	0.64
14	1.5	2.9	13	e5.0	18	10	38	117	193	1.8	0.68	0.63
15	2.6	2.9	19	e4.8	15	9.7	70	86	102	1.7	0.74	1.3
16	2.0	2.7	14	e4.7	15	11	46	55	72	1.6	0.90	2.6
17	4.1	2.5	28	e4.6	14	10	36	49	49	1.5	10	1.1
18	2.8	2.4	65	e4.6	12	11	29	72	36	1.4	2.5	0.80
19	2.0	2.4	43	e4.5	11	11	33	56	26	1.3	1.6	0.92
20	1.7	3.7	32	e4.4	11	14	31	43	19	1.3	1.3	1.0
21	1.5	3.2	26	e4.3	16	16	27	35	15	1.3	1.1	0.87
22	1.6	2.9	21	e4.3	15	13	24	28	16	1.2	7.9	0.79
23	1.9	2.7	19	4.8	13	13	20	23	19	1.4	13	0.89
24	18	2.5	25	17	12	14	17	20	12	1.5	5.8	0.41
25	10	13	19	21	12	13	17	17	9.9	1.2	4.0	0.55
26	7.5	14	16	16	13	22	15	19	8.8	1.2	2.7	0.58
27	6.7	11	14	15	14	39	13	15	8.7	1.2	2.0	12
28	6.4	10	14	15	12	30	36	12	9.7	1.5	1.8	12
29	6.1	14	12	18	---	34	42	11	7.2	2.7	1.7	4.6
30	7.7	20	e11	39	---	54	35	13	6.2	1.7	1.5	3.1
31	6.2	---	e9.9	43	---	38	---	14	---	3.9	1.4	---
TOTAL	104.44	178.2	539.6	311.1	563	539.7	793	1223	880.5	70.4	84.42	55.69
MEAN	3.37	5.94	17.4	10.0	20.1	17.4	26.4	39.5	29.4	2.27	2.72	1.86
MAX	18	20	65	43	69	54	70	131	193	5.3	13	12
MIN	0.93	2.4	6.6	4.3	11	9.7	13	11	6.2	1.2	0.68	0.41
CFSM	0.43	0.76	2.22	1.28	2.56	2.22	3.37	5.03	3.74	0.29	0.35	0.24
IN.	0.50	0.85	2.56	1.48	2.67	2.56	3.76	5.80	4.18	0.33	0.40	0.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2002, BY WATER YEAR (WY)

MEAN	7.96	14.2	17.2	14.8	17.0	27.9	29.0	17.5	11.9	5.27	5.15	5.97
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	0.32	0.66	0.94	1.55	2.22	9.85	11.2	4.05	1.14	0.50	0.52	0.28
(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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1952 - 2002	
ANNUAL TOTAL	3192.50		5343.05		14.4	
ANNUAL MEAN	8.75		14.6		21.1	
HIGHEST ANNUAL MEAN					1984	
LOWEST ANNUAL MEAN					2001	
HIGHEST DAILY MEAN	65	Dec 18	193	Jun 14	465	Jun 20 1989
LOWEST DAILY MEAN	0.29	Aug 15	0.41	Sep 24	0.07	Sep 21 1955
ANNUAL SEVEN-DAY MINIMUM	0.40	Aug 12	0.68	Sep 8	0.14	Sep 16 1955
MAXIMUM PEAK FLOW			559	Jun 14	a2300	Sep 13 1987
MAXIMUM PEAK STAGE			4.65	Jun 14	5.30	Sep 13 1987
INSTANTANEOUS LOW FLOW			0.17	Sep 24	0.07	Sep 21 1955
ANNUAL RUNOFF (CFSM)	1.12		1.87		1.84	
ANNUAL RUNOFF (INCHES)	15.15		25.35		24.95	
10 PERCENT EXCEEDS	23		35		32	
50 PERCENT EXCEEDS	4.6		10		8.0	
90 PERCENT EXCEEDS	0.79		1.1		1.0	

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.

