

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)
Mar. 21	1800	*323	*4.22	Aug. 8	0100	229	3.92

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	2.5	8.5	12	e15	3.7	10	18	4.6	37	3.7	52	5.0
2	2.1	8.3	10	37	3.6	9.7	28	8.9	24	3.3	39	28
3	1.9	7.9	9.8	e21	4.5	9.0	22	6.6	20	2.9	40	17
4	1.8	7.9	8.7	e16	19	9.1	22	5.6	21	2.7	28	15
5	2.4	8.0	8.3	e13	e9.6	9.0	75	6.4	23	2.6	25	12
6	1.8	20	7.7	e12	e7.9	9.8	48	8.3	18	2.5	21	9.6
7	1.4	19	e7.2	e10	e6.8	e8.7	38	7.5	16	2.5	27	7.9
8	1.4	15	e6.9	e9.5	e5.5	8.7	32	8.1	15	2.6	99	6.8
9	1.3	14	e6.6	e8.7	e4.7	15	28	8.3	21	2.4	50	5.9
10	1.3	13	e6.5	e8.1	e5.0	e9.2	28	8.4	18	2.7	46	5.3
11	1.2	24	e6.4	e7.5	e4.5	e9.4	24	8.9	16	3.7	49	4.6
12	1.2	18	e6.1	e6.9	e4.7	11	21	11	21	2.5	33	4.1
13	1.5	15	11	e6.5	e5.0	11	18	15	29	2.1	23	3.9
14	1.8	14	18	e6.3	e5.0	11	16	14	23	1.8	17	3.9
15	1.3	12	e11	e6.3	5.9	14	14	12	19	1.6	14	11
16	2.1	11	e7.8	e6.3	8.3	32	12	14	16	1.7	13	12
17	3.5	44	e7.0	e6.4	8.3	67	11	13	13	1.6	11	6.0
18	4.0	34	e7.0	e6.3	7.2	e89	10	12	13	2.1	9.3	4.6
19	11	26	e9.0	e6.3	5.3	109	9.5	11	12	2.0	7.8	14
20	11	23	52	e6.3	4.8	125	9.2	11	10	1.5	6.6	17
21	7.0	23	e36	e6.7	4.8	175	9.4	30	12	37	5.5	9.5
22	5.6	33	e25	e6.3	6.5	140	8.7	19	10	81	5.6	10
23	4.8	27	e20	e6.2	e8.9	79	7.8	17	7.9	38	4.7	31
24	3.9	23	e15	e6.0	41	56	6.9	23	6.7	38	4.0	15
25	3.8	21	e13	e5.9	22	45	6.4	19	5.8	26	3.5	26
26	26	18	e10	e5.4	e14	41	6.3	16	5.3	18	4.0	20
27	15	16	e9.2	5.4	12	32	5.9	15	4.7	35	3.9	16
28	11	14	e8.4	e4.6	11	26	5.3	15	4.2	58	3.0	21
29	9.1	13	e8.1	4.2	---	27	5.0	13	4.0	32	3.1	15
30	8.4	13	e8.2	3.7	---	22	4.6	12	4.3	22	4.7	14
31	8.1	---	e8.2	3.6	---	18	---	30	---	16	4.1	---
TOTAL	159.2	543.6	380.1	273.4	249.5	1237.6	550.0	403.6	449.9	449.5	656.8	371.1
MEAN	5.14	18.1	12.3	8.82	8.91	39.9	18.3	13.0	15.0	14.5	21.2	12.4
MAX	26	44	52	37	41	175	75	30	37	81	99	31
MIN	1.2	7.9	6.1	3.6	3.6	8.7	4.6	4.6	4.0	1.5	3.0	3.9
CFSM	0.66	2.31	1.56	1.12	1.14	5.09	2.34	1.66	1.91	1.85	2.70	1.58
IN.	0.76	2.58	1.80	1.30	1.18	5.87	2.61	1.92	2.13	2.13	3.12	1.76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2003, BY WATER YEAR (WY)

MEAN	7.91	14.3	17.1	14.7	16.8	28.2	28.8	17.4	11.9	5.45	5.46	6.10
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1952 - 2003	
ANNUAL TOTAL	5603.71		5724.3			
ANNUAL MEAN	15.4		15.7		14.4	
HIGHEST ANNUAL MEAN					21.1	1984
LOWEST ANNUAL MEAN					8.92	2001
HIGHEST DAILY MEAN	193	Jun 14	175	Mar 21	465	Jun 20 1989
LOWEST DAILY MEAN	0.41	Sep 24	1.2	Oct 11,12	0.07	Sep 21 1955
ANNUAL SEVEN-DAY MINIMUM	0.68	Sep 8	1.3	Oct 7	0.14	Sep 16 1955
MAXIMUM PEAK FLOW			323	Mar 21	a2300	Sep 13 1987
MAXIMUM PEAK STAGE			4.22	Mar 21	5.30	Sep 13 1987
INSTANTANEOUS LOW FLOW			1.1	Oct 12	0.07	Sep 21 1955
ANNUAL RUNOFF (CFSM)	1.96		2.00		1.84	
ANNUAL RUNOFF (INCHES)	26.59		27.16		24.99	
10 PERCENT EXCEEDS	36		32		32	
50 PERCENT EXCEEDS	11		9.8		8.1	
90 PERCENT EXCEEDS	1.2		3.4		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.

