

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)
Aug. 16	0300	*294	*4.14	No other peak greater than base discharge.			

**DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES**

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	.74	11	e5.0	e2.9	42	8.4	11	11	3.7	4.8	2.8
2	1.2	3.4	9.6	e5.6	e2.8	40	8.0	12	10	3.3	2.5	2.6
3	1.1	14	8.6	11	e2.8	30	23	10	10	3.1	3.3	2.3
4	1.0	6.3	9.4	63	e2.8	26	129	9.4	7.9	4.9	3.5	2.2
5	.85	4.5	9.3	39	e2.9	22	71	8.7	7.7	3.2	2.6	2.1
6	.77	3.6	13	28	e2.7	18	47	7.8	13	2.7	5.3	1.9
7	.74	3.0	11	23	e2.5	16	37	7.2	11	2.4	16	1.8
8	.74	2.7	9.5	19	e2.4	14	63	6.8	7.9	2.2	9.4	1.6
9	.77	2.4	8.7	17	e2.3	13	56	6.3	6.7	2.2	6.5	1.5
10	1.0	2.2	10	18	e2.2	12	41	8.3	5.7	3.6	5.0	1.6
11	1.1	2.1	12	21	e2.3	11	33	9.1	5.8	2.5	4.3	3.4
12	.88	2.1	9.8	18	e2.4	14	28	6.9	11	2.1	4.0	3.1
13	.92	2.0	9.6	e15	e2.6	12	22	8.2	11	1.9	3.8	6.4
14	3.2	1.9	14	e12	e2.9	11	19	11	7.9	1.8	3.3	3.4
15	2.2	1.7	25	e10	e3.0	10	17	7.8	6.8	2.2	2.9	7.2
16	1.5	1.6	23	e8.4	e3.0	11	15	6.9	6.6	4.4	83	10
17	1.2	1.6	19	e7.8	e3.1	18	13	6.5	6.8	2.4	26	5.6
18	1.1	1.3	17	e7.2	e3.1	14	13	27	7.8	2.0	18	4.1
19	1.0	1.2	14	e6.8	e3.2	13	12	106	8.8	1.6	14	3.5
20	.94	1.4	17	e6.4	e3.3	13	11	54	6.4	1.6	10	3.1
21	.85	1.8	21	e6.0	e3.5	13	30	39	7.2	1.9	8.2	4.5
22	.85	1.5	16	e5.8	e4.5	14	50	29	9.8	1.9	6.4	3.7
23	.99	1.5	14	e5.5	e7.0	12	40	28	6.8	1.5	10	3.2
24	1.9	1.4	e11	e5.0	18	11	32	62	5.5	1.4	8.3	5.4
25	2.1	1.3	e9.6	e4.5	79	11	26	45	4.9	1.3	5.5	4.4
26	1.6	46	e8.8	e4.0	87	10	22	33	4.6	1.2	4.6	4.3
27	1.3	44	e7.7	e3.4	87	9.9	19	26	8.0	1.1	4.0	4.3
28	1.1	24	e6.7	e3.0	78	11	16	21	5.2	1.2	3.9	3.7
29	.86	18	e6.4	e2.9	49	10	14	18	4.6	1.5	3.6	3.3
30	.85	14	e5.8	e3.0	---	10	13	15	4.1	1.4	3.3	3.1
31	.85	---	e5.3	e3.0	---	9.0	---	12	---	2.8	3.0	---
TOTAL	37.96	213.24	372.8	387.3	468.2	480.9	928.4	658.9	230.5	71.0	289.0	110.1
MEAN	1.22	7.11	12.0	12.5	16.1	15.5	30.9	21.3	7.68	2.29	9.32	3.67
MAX	3.2	46	25	63	87	42	129	106	13	4.9	83	10
MIN	.74	.74	5.3	2.9	2.2	9.0	8.0	6.3	4.1	1.1	2.5	1.5
CFSM	.16	.91	1.53	1.59	2.06	1.98	3.95	2.71	.98	.29	1.19	.47
IN.	.18	1.01	1.77	1.84	2.22	2.28	4.41	3.13	1.09	.34	1.37	.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2000, BY WATER YEAR (WY)

MEAN	8.03	14.5	17.2	15.1	16.9	28.4	29.1	17.3	11.7	5.42	5.29	6.16
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.

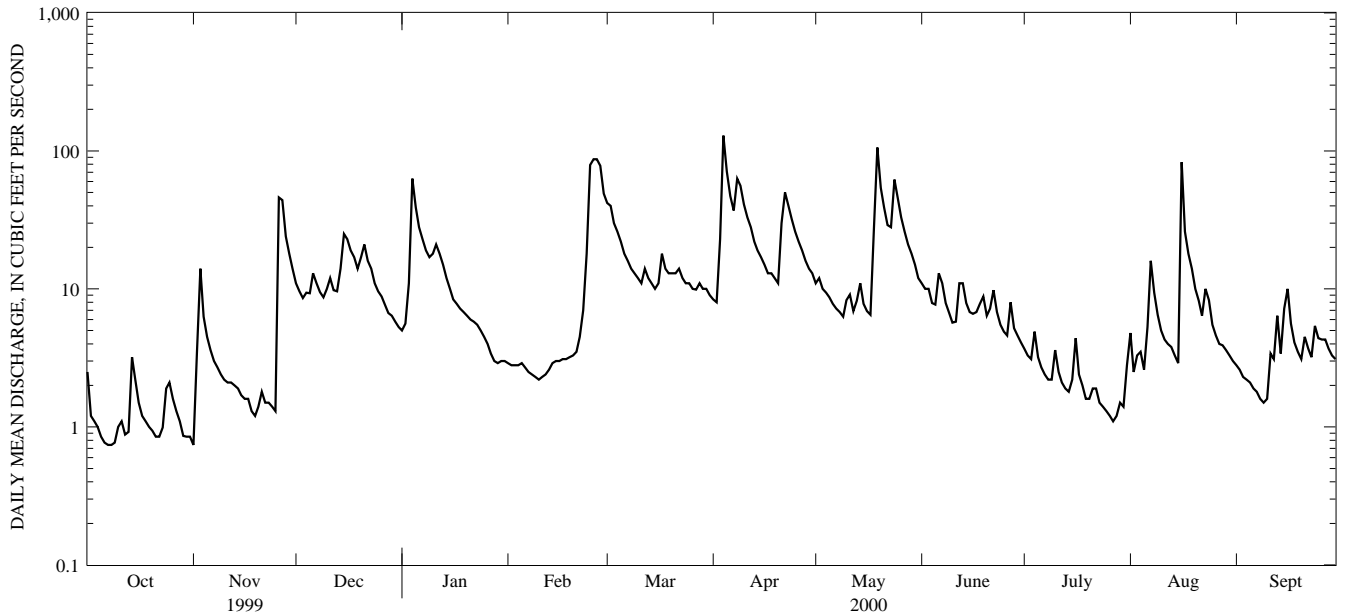
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03026500 SEVENMILE RUN NEAR RASSELAS, PA--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1952 - 2000	
ANNUAL TOTAL	4038.17		4248.30			
ANNUAL MEAN	11.1		11.6		14.5	
HIGHEST ANNUAL MEAN					21.1	1984
LOWEST ANNUAL MEAN					10.4	1965
HIGHEST DAILY MEAN	197	Jan 24	129	Apr 4	465	Jun 20 1989
LOWEST DAILY MEAN	.16	Sep 12,13	.74	Oct 7,8a	.07	Sep 21 1955
ANNUAL SEVEN-DAY MINIMUM	.25	Aug 30	.84	Oct 4	.14	Sep 16 1955
INSTANTANEOUS PEAK FLOW			294	Aug 16	b2300	Sep 13 1987
INSTANTANEOUS PEAK STAGE			4.14	Aug 16	5.30	Sep 13 1987
INSTANTANEOUS LOW FLOW			.64	Oct 13	.07	Sep 21 1955
ANNUAL RUNOFF (CFSM)	1.41		1.48		1.85	
ANNUAL RUNOFF (INCHES)	19.16		20.16		25.14	
10 PERCENT EXCEEDS	29		26		32	
50 PERCENT EXCEEDS	4.9		6.4		8.1	
90 PERCENT EXCEEDS	.54		1.5		.99	

a Also Nov. 1.

b 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.



1-YEAR HYDROGRAPH
OCTOBER 1, 1999 TO SEPTEMBER 30, 2000