02143040 JACOB FORK AT RAMSEY, NC

LOCATION.--Lat 35°35'26", long 81°34'02", Burke County, Hydrologic Unit 03050102, on left bank 16 ft downstream of bridge on Secondary Road 1924, 0.6 mi downstream of Queens Creek, and 0.6 mi north of Ramsey.

DRAINAGE AREA.--25.7 mi^2

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1960-61. October 1961 to current year.

REVISED RECORDS.--WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,103.00 ft above sea level. Satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Maximum discharge for period of record, from rating curve extended above 3,400 ft^3/s on basis of contracted-opening measurement of peak flow. Minimum discharge for period of record also occurred Aug. 19. Minimum discharge for current water year also occurred Aug. 30.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 1940 reached a stage of about 39 ft, from information by local resident. Flood of July 1916 reached a stage of about 19 ft, from information by North Carolina State Highway Commission.

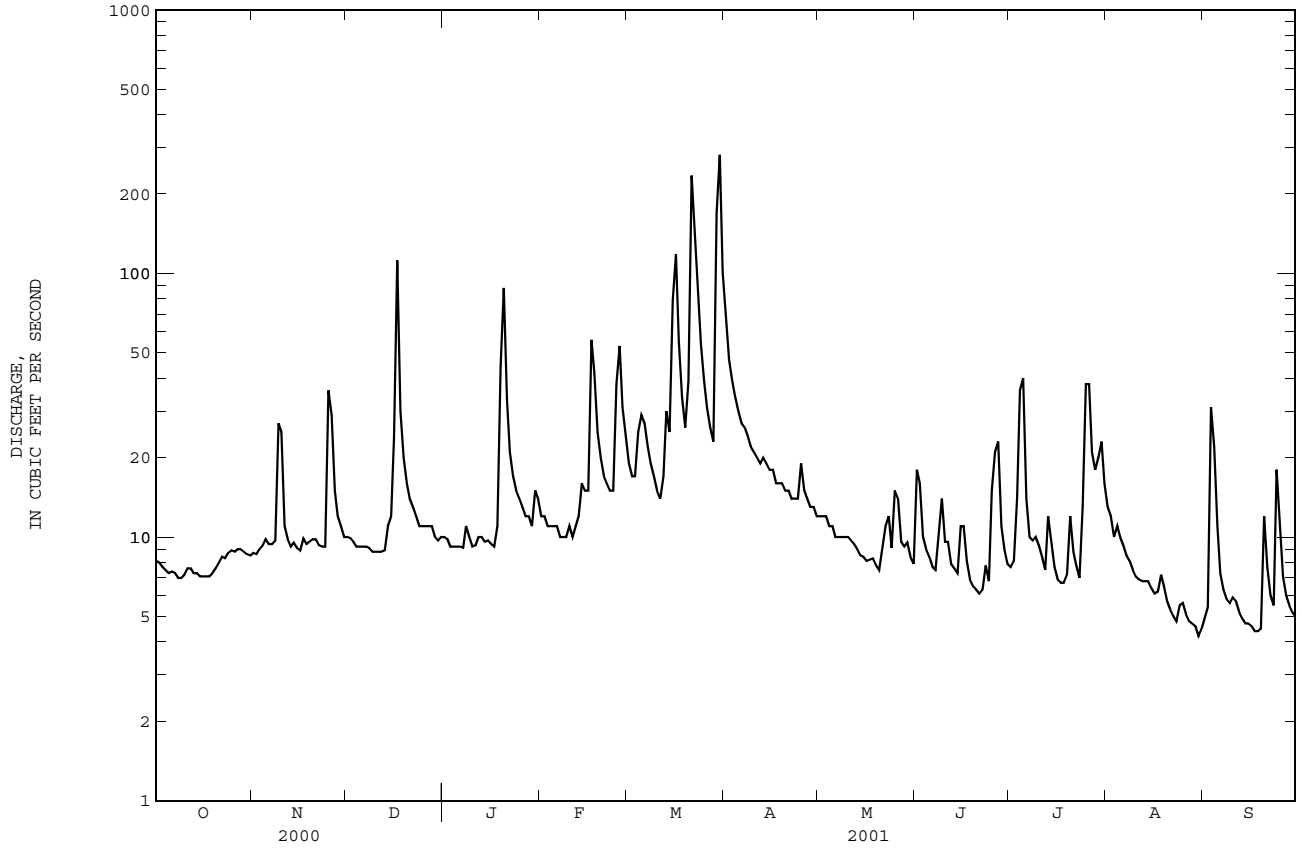
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	8.7	10	e10	12	19	67	12	18	7.7	13	4.9
2	8.0	8.6	9.9	9.8	12	17	47	12	16	8.1	12	5.4
3	7.7	9.0	9.6	e9.2	11	17	39	12	10	14	10	31
4	7.5	9.3	9.2	e9.2	11	25	34	11	9.0	36	11	22
5	7.3	9.8	9.2	e9.2	11	29	30	11	8.4	40	10	11
6	7.4	9.4	9.2	9.2	11	27	27	10	7.7	14	9.3	7.3
7	7.3	9.4	9.2	9.1	10	22	26	10	7.5	10	8.5	6.3
8	7.0	9.7	9.1	11	10	19	24	10	10	9.7	8.1	5.8
9	7.0	27	8.8	10	10	17	22	10	14	10	7.5	5.6
10	7.2	25	8.8	e9.2	11	15	21	10	9.6	9.3	7.1	5.9
11	7.6	11	8.8	9.3	10	14	20	9.7	9.6	8.4	6.9	5.7
12	7.6	9.8	8.8	10	11	17	19	9.4	7.9	7.5	6.8	5.2
13	7.3	9.2	8.9	10	12	30	20	9.0	7.6	12	6.8	4.9
14	7.3	9.5	11	9.6	16	25	19	8.5	7.3	9.7	6.8	4.7
15	7.1	9.1	12	9.7	15	79	18	8.4	11	7.7	6.4	4.7
16	7.1	8.9	24	9.4	15	118	18	8.1	11	6.9	6.1	4.6
17	7.1	9.9	112	9.2	56	55	16	8.2	8.1	6.7	6.2	4.4
18	7.1	9.4	30	11	42	34	16	8.3	6.9	6.7	7.2	4.4
19	7.3	9.6	20	44	25	26	16	7.8	6.5	7.2	6.5	4.5
20	7.6	9.8	16	88	20	39	15	7.5	6.3	12	5.7	12
21	8.0	9.8	14	33	17	235	15	9.1	6.1	8.8	5.3	7.7
22	8.4	9.3	13	21	16	156	14	11	6.3	7.8	5.0	6.0
23	8.3	9.2	e12	17	15	94	14	12	7.8	7.0	4.8	5.5
24	8.7	9.2	e11	15	15	54	14	9.1	6.8	13	5.5	18
25	8.9	36	11	14	38	39	19	15	15	38	5.6	12
26	8.8	29	e11	13	53	31	15	14	21	38	5.1	7.1
27	9.0	15	11	12	31	26	14	9.6	23	21	4.8	6.0
28	9.0	12	11	12	24	23	13	9.2	11	18	4.7	5.5
29	8.8	11	10	11	---	169	13	9.5	8.9	20	4.6	5.2
30	8.6	10	9.7	15	---	282	12	8.4	7.9	23	4.2	5.0
31	8.5	---	e10	14	---	101	---	7.9	---	16	4.5	---
TOTAL	242.6	372.6	468.2	483.1	540	1854	657	307.7	306.2	454.2	216.0	238.3
MEAN	7.83	12.4	15.1	15.6	19.3	59.8	21.9	9.93	10.2	14.7	6.97	7.94
MAX	9.0	36	112	88	56	282	67	15	23	40	13	31
MIN	7.0	8.6	8.8	9.1	10	14	12	7.5	6.1	6.7	4.2	4.4
CFSM	.30	.48	.59	.61	.75	2.33	.85	.39	.40	.57	.27	.31
IN.	.35	.54	.68	.70	.78	2.68	.95	.45	.44	.66	.31	.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2001, BY WATER YEAR (WY)

MEAN	40.5	41.1	46.6	58.9	66.4	76.9	67.6	52.1	41.0	33.5	32.5	27.7
MAX	154	130	92.6	131	134	177	157	109	82.3	72.7	152	102
(WY)	1965	1978	1984	1993	1966	1975	1983	1984	1972	1985	1970	1989
MIN	7.83	12.4	14.8	15.6	19.3	27.4	21.9	9.93	10.2	9.23	6.39	7.94
(WY)	2001	2001	1989	2001	2001	1988	2001	2001	2001	1988	1999	2001

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1962 - 2001	
ANNUAL TOTAL	8841.9		6139.9			
ANNUAL MEAN	24.2		16.8		48.6	
HIGHEST ANNUAL MEAN					80.8	1993
LOWEST ANNUAL MEAN					16.8	2001
HIGHEST DAILY MEAN	493	Mar 20	282	Mar 30	1730	Nov 6 1977
LOWEST DAILY MEAN	5.1	Jul 11	4.2	Aug 30	3.7	Aug 19 1999
ANNUAL SEVEN-DAY MINIMUM	6.4	Jul 5	4.6	Sep 13	4.1	Aug 13 1999
MAXIMUM PEAK FLOW			704	Mar 29	7220*	Oct 17 1975
MAXIMUM PEAK STAGE			5.09	Mar 29	19.74	Oct 17 1975
INSTANTANEOUS LOW FLOW			4.0*	Aug 29	3.3*	Aug 18 1999
ANNUAL RUNOFF (CFSM)	.94		.65		1.89	
ANNUAL RUNOFF (INCHES)	12.80		8.89		25.72	
10 PERCENT EXCEEDS	44		29		85	
50 PERCENT EXCEEDS	13		10		32	
90 PERCENT EXCEEDS	7.3		6.3		14	

e Estimated.
* See REMARKS.

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