

02143040 JACOB FORK AT RAMSEY, NC

LOCATION.--Lat 35°35'26", long 81°34'01", 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 mi²

WATER-DISCHARGE RECORDS

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 NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Maximum discharge for period of record, from rating curve extended above 3,400 ft³/s on basis of contracted-opening measurement of peak flow. Minimum discharge for current water year also occurred Sept. 21, 22, 24, 25, 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	20	79	49	41	102	64	43	33	37	64	27
2	46	21	76	48	39	73	75	39	119	31	34	24
3	40	31	62	48	49	61	65	38	74	33	26	23
4	35	406	51	49	49	54	57	36	47	176	22	22
5	31	167	45	50	48	54	52	38	34	55	19	22
6	29	74	43	52	45	57	48	37	28	33	19	20
7	29	53	46	52	44	54	51	36	26	426	77	20
8	26	42	43	55	44	59	60	35	29	256	71	19
9	25	36	149	53	43	49	64	33	26	80	88	19
10	26	32	412	52	42	46	61	32	36	48	85	18
11	24	31	182	53	39	44	53	32	37	39	51	17
12	23	120	111	54	39	43	48	31	31	65	35	17
13	71	126	84	56	39	40	79	31	42	55	29	17
14	36	73	67	251	39	39	226	37	38	47	26	17
15	29	55	58	101	38	36	117	37	29	41	30	17
16	26	48	53	71	38	41	74	33	24	35	23	16
17	23	43	51	60	37	47	62	30	22	31	95	17
18	22	39	49	51	36	44	56	30	21	28	238	16
19	25	37	49	49	35	44	52	30	68	26	86	15
20	24	36	44	49	37	44	48	39	40	26	51	16
21	23	34	43	47	54	42	45	31	33	27	37	15
22	22	32	42	44	56	42	47	28	25	32	47	15
23	23	41	379	43	50	112	51	28	21	53	229	16
24	24	73	202	42	58	96	44	26	18	29	76	15
25	22	126	105	41	55	65	42	25	17	24	49	15
26	22	75	79	41	52	53	42	25	18	22	40	17
27	22	58	66	39	49	52	43	25	20	20	35	18
28	22	59	58	36	105	519	39	25	22	18	32	16
29	22	48	56	38	---	187	37	25	21	29	30	16
30	22	45	53	48	---	96	39	21	18	24	32	16
31	21	---	51	44	---	73	---	21	---	70	34	---
TOTAL	887	2,081	2,888	1,766	1,300	2,368	1,841	977	1,017	1,916	1,810	538
MEAN	28.6	69.4	93.2	57.0	46.4	76.4	61.4	31.5	33.9	61.8	58.4	17.9
MAX	71	406	412	251	105	519	226	43	119	426	238	27
MIN	21	20	42	36	35	36	37	21	17	18	19	15
CFSM	1.11	2.70	3.62	2.22	1.81	2.97	2.39	1.23	1.32	2.40	2.27	0.70
IN.	1.28	3.01	4.18	2.56	1.88	3.43	2.66	1.41	1.47	2.77	2.62	0.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2005, BY WATER YEAR (WY)

	39.0	41.3	47.8	57.0	64.8	75.7	68.1	51.7	42.4	34.9	34.1	30.8
MEAN	39.0	41.3	47.8	57.0	64.8	75.7	68.1	51.7	42.4	34.9	34.1	30.8
MAX	154	130	93.2	131	134	177	171	124	148	98.6	152	157
(WY)	(1965)	(1978)	(2005)	(1993)	(1966)	(1975)	(2003)	(2003)	(2003)	(2003)	(1970)	(2004)
MIN	7.83	8.49	14.5	15.6	19.3	27.4	19.4	9.93	4.98	2.87	4.48	7.94
(WY)	(2001)	(2002)	(2002)	(2001)	(2001)	(1988)	(2002)	(2001)	(2002)	(2002)	(2002)	(2001)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1962 - 2005	
ANNUAL TOTAL	18,981		19,389		48.9	
ANNUAL MEAN	51.9		53.1		16.6	
HIGHEST ANNUAL MEAN					90.9	2003
LOWEST ANNUAL MEAN					16.6	2002
HIGHEST DAILY MEAN	2,450	Sep 8	519	Mar 28	2,450	Sep 8, 2004
LOWEST DAILY MEAN	12	Aug 8	15	Sep 19	0.87	Aug 13, 2002
ANNUAL SEVEN-DAY MINIMUM	13	Aug 5	15	Sep 19	0.90	Aug 7, 2002
MAXIMUM PEAK FLOW			1,220	Jul 7	7,220*	Oct 17, 1975
MAXIMUM PEAK STAGE			7.08	Jul 7	19.74	Oct 17, 1975
INSTANTANEOUS LOW FLOW			15*	Sep 19	0.79	Aug 14, 2002
ANNUAL RUNOFF (CFSM)	2.02		2.07		1.90	
ANNUAL RUNOFF (INCHES)	27.47		28.07		25.85	
10 PERCENT EXCEEDS	75		79		85	
50 PERCENT EXCEEDS	28		41		32	
90 PERCENT EXCEEDS	17		21		14	

* See REMARKS.

