

03447687 FRENCH BROAD RIVER NEAR FLETCHER, NC

LOCATION.--Lat 35°25'39", long 82°32'53", Henderson County, Hydrologic Unit 06010105, on right bank 30 ft downstream of bridge on Secondary Road 1419, 0.4 mi downstream from McDowell Creek, 2.9 mi west of Fletcher, and at river mile 165.3.

DRAINAGE AREA.--640 mi².

PERIOD OF RECORD.--July 2001 to current year.

REVISED RECORDS.--WDR NC-04-1: 2001-2003(M).

GAGE.--Water-stage recorder. Elevation of gage is 2,055 ft above NGVD of 1929, from topographic map. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Minimum discharge for current water year also occurred on Sept. 30.

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	4,760	1,360	2,390	1,820	1,510	2,000	2,380	1,600	1,040	2,310	2,230	2,540
2	3,140	1,330	2,400	1,760	1,440	1,640	2,530	1,410	2,650	2,420	1,980	1,910
3	2,790	1,700	2,070	1,710	1,710	1,520	2,670	1,340	2,910	2,130	1,780	1,680
4	2,590	3,220	1,920	1,680	1,850	1,470	2,280	1,300	2,070	2,220	1,670	1,540
5	2,410	4,090	1,820	1,650	1,640	1,450	2,070	1,280	1,740	2,360	1,650	1,450
6	2,270	2,580	1,790	1,620	1,540	1,430	1,930	1,270	1,610	1,960	1,680	1,370
7	2,180	2,010	2,200	1,580	1,470	1,390	1,860	1,240	1,810	5,020	1,970	1,300
8	2,100	1,820	2,220	1,610	1,440	1,560	2,220	1,210	1,780	7,010	2,920	1,250
9	2,040	1,680	2,920	1,610	1,420	1,580	2,360	1,180	2,040	5,570	2,440	1,210
10	1,990	1,590	4,380	1,530	1,410	1,450	2,040	1,160	1,650	3,230	2,240	1,160
11	1,930	1,540	3,610	1,480	1,350	1,390	1,880	1,310	2,000	3,480	2,100	1,120
12	1,870	2,550	2,670	1,450	1,310	1,350	1,860	1,220	2,480	5,800	1,820	1,090
13	1,980	3,270	2,340	1,480	1,290	1,300	2,270	1,170	5,590	5,880	1,680	1,060
14	1,860	2,340	2,120	4,290	1,340	1,450	2,500	1,120	5,680	5,610	1,630	1,040
15	1,770	2,000	1,960	3,280	1,410	1,370	2,230	1,190	5,540	5,280	1,630	1,010
16	1,700	1,850	1,850	2,280	1,330	1,370	1,990	1,270	4,720	4,260	1,520	1,010
17	1,630	1,760	1,770	1,990	1,280	1,530	1,850	1,160	2,530	3,410	1,710	1,120
18	1,590	1,690	1,730	1,810	1,240	1,460	1,760	1,090	2,080	3,450	2,080	1,030
19	1,610	1,620	1,680	1,720	1,200	1,370	1,690	1,090	2,070	2,940	2,670	957
20	1,690	1,570	1,610	1,680	1,240	1,330	1,630	1,640	2,070	3,280	1,950	919
21	1,600	1,530	1,560	1,650	1,680	1,280	1,570	1,680	2,270	3,370	2,000	904
22	1,550	1,490	1,540	1,590	2,000	1,280	1,620	1,380	1,950	3,040	1,660	889
23	1,540	1,540	3,730	1,540	1,640	2,090	1,820	1,240	1,740	2,830	2,080	877
24	1,580	2,120	5,080	1,440	1,600	2,090	1,660	1,150	1,590	2,460	2,090	856
25	1,520	3,380	4,670	1,450	1,580	1,690	1,530	1,080	1,500	2,250	1,690	838
26	1,460	2,550	2,940	1,440	1,460	1,560	1,470	1,030	1,500	2,060	1,520	861
27	1,430	2,090	2,380	1,410	1,390	1,540	1,500	1,010	5,600	1,950	1,440	942
28	1,420	2,170	2,170	1,370	1,740	5,010	1,430	992	6,240	2,000	1,380	874
29	1,520	2,010	2,060	1,360	---	5,650	1,390	980	3,670	2,380	1,390	856
30	1,490	1,850	1,960	1,680	---	4,050	1,460	968	2,830	2,500	2,890	858
31	1,410	---	1,890	1,710	---	2,570	---	970	---	2,420	3,730	---
TOTAL	60,420	62,300	75,430	54,670	41,510	58,220	57,450	37,730	82,950	104,880	61,220	34,521
MEAN	1,949	2,077	2,433	1,764	1,482	1,878	1,915	1,217	2,765	3,383	1,975	1,151
MAX	4,760	4,090	5,080	4,290	2,000	5,650	2,670	1,680	6,240	7,010	3,730	2,540
MIN	1,410	1,330	1,540	1,360	1,200	1,280	1,390	968	1,040	1,950	1,380	838
CFSM	3.05	3.24	3.80	2.76	2.32	2.93	2.99	1.90	4.32	5.29	3.09	1.80
IN.	3.51	3.62	4.38	3.18	2.41	3.38	3.34	2.19	4.82	6.10	3.56	2.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	1,158	1,633	1,978	1,398	1,760	1,798	1,826	1,841	1,821	1,738	1,252	2,453
MAX	1,949	2,311	2,433	1,764	2,499	2,480	2,706	3,663	2,765	3,383	2,076	7,541
(WY)	(2005)	(2004)	(2005)	(2005)	(2004)	(2003)	(2003)	(2003)	(2005)	(2005)	(2003)	(2004)
MIN	587	522	806	1,149	1,130	1,230	1,319	1,217	801	513	346	787
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2004)	(2004)	(2005)	(2002)	(2002)	(2002)	(2001)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2001 - 2005	
ANNUAL TOTAL	776,419		731,301		1,785	
ANNUAL MEAN	2,121		2,004		2,145	
HIGHEST ANNUAL MEAN					923	2003
LOWEST ANNUAL MEAN					23,800	2002
HIGHEST DAILY MEAN	23,800	Sep 9	7,010	Jul 8	23,800	Sep 9, 2004
LOWEST DAILY MEAN	769	Aug 23	838	Sep 25	201	Sep 13, 2002
ANNUAL SEVEN-DAY MINIMUM	805	Aug 17	869	Sep 24	221	Sep 7, 2002
MAXIMUM PEAK FLOW			7,390	Jul 7	25,500	Sep 8, 2004
MAXIMUM PEAK STAGE			10.84	Jul 7	20.13	Sep 8, 2004
INSTANTANEOUS LOW FLOW			829*	Sep 26	193	Sep 12, 2002
ANNUAL RUNOFF (CFSM)	3.31		3.13		2.79	
ANNUAL RUNOFF (INCHES)	45.13		42.51		37.90	
10 PERCENT EXCEEDS	3,110		3,220		2,940	
50 PERCENT EXCEEDS	1,480		1,680		1,440	
90 PERCENT EXCEEDS	981		1,180		595	

* See REMARKS.

