

02138500 LINVILLE RIVER NEAR NEBO, NC

LOCATION.--Lat 35°47'41", long 81°53'24", Burke County, Hydrologic Unit 03050101, in Pisgah National Forest on right bank 370 ft upstream from bridge on State Highway 126, 0.2 mi downstream of Shooks Creek, 0.5 mi upstream from Lake James, 2.0 mi northeast of Longtown, and 6.0 mi northeast of Nebo.

DRAINAGE AREA.--66.7 mi².

PERIOD OF RECORD.--May 1907 to August 1908 (fragmentary). June 1922 to current year. Prior to 1908 published as "Linville River at Fonta Flora" and as "Linville River at Branch" 1923-70. Records for October to December 1908 "Linville River at Fonta Flora" published in WSP 242 have been found to be unreliable and should not be used.

REVISED RECORDS.--WSP 892: 1929, 1935, 1937. WSP 1503: 1923(M), 1924-28, 1930, 1932-33(M), 1938(M), 1939(P). WDR NC-80-1: Drainage area. See also PERIOD OF RECORD.

GAGE.--Water-stage recorder. Datum of gage is 1,203.87 ft above NGVD of 1929. May 1907 to August 1908, nonrecording gage about 1.2 mi downstream at different datum. June 1922 to Aug. 27, 1937, nonrecording gage and Aug. 28, 1937, to Sept. 30, 1970, water-stage recorder at site on right bank 20 ft downstream of bridge on State Highway 126 at 1,204.87 ft. Oct. 1, 1970, to Sept. 30, 1973, at present site at 1,204.87 ft. Oct. 1, 1973, to Aug. 25, 1981, at present site at 1,204.87 ft. Satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Maximum discharge for period of record, from rating curve extended above 12,000 ft³/s on basis of slope area measurement. Maximum gage-height for period of record from high-water mark at gage. Minimum discharge for period of record, result of freezeup.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 1916 reached a stage of about 11 ft at former site and datum; discharge, 34,600 ft³/s.

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	320	129	212	183	111	150	272	189	108	e147	163	207
2	301	129	205	175	108	133	463	172	176	134	129	165
3	267	127	188	163	113	123	423	165	131	142	115	147
4	235	191	178	150	127	121	341	157	144	232	109	132
5	206	245	173	146	117	126	302	154	179	171	112	123
6	208	186	171	145	117	150	274	153	165	132	168	114
7	204	167	178	140	119	145	236	145	174	583	135	108
8	179	155	168	139	119	181	350	139	259	698	233	101
9	166	156	186	136	127	188	385	133	231	322	281	94
10	160	149	261	130	131	155	315	136	275	316	360	91
11	157	138	223	127	127	139	277	156	231	180	270	88
12	148	229	202	124	118	134	248	140	188	400	203	83
13	229	306	193	155	116	128	279	131	566	318	176	80
14	192	230	181	1,540	130	133	518	146	338	266	170	76
15	171	201	170	428	145	147	390	197	358	234	142	73
16	179	185	162	300	141	147	318	179	324	251	131	71
17	161	189	159	241	130	145	279	148	285	249	131	82
18	146	172	154	200	112	129	252	135	241	210	1,150	75
19	151	159	150	184	106	130	230	138	190	276	516	69
20	176	157	e146	174	107	126	213	151	164	716	295	66
21	155	150	e142	165	140	121	199	141	165	402	223	67
22	156	145	e137	e158	160	127	205	130	147	300	193	64
23	151	155	658	e153	141	232	234	136	150	243	178	62
24	137	304	491	149	136	247	201	142	146	202	163	61
25	131	496	312	e140	137	201	188	127	141	178	148	58
26	124	300	273	136	122	180	181	114	133	160	140	68
27	129	251	255	130	116	174	180	109	162	152	133	77
28	140	237	232	114	151	766	169	107	193	138	129	68
29	128	210	220	111	---	571	186	105	175	160	117	64
30	147	195	206	125	---	378	229	99	e160	140	177	63
31	136	---	194	120	---	307	---	98	---	180	448	---
TOTAL	5,490	6,043	6,780	6,481	3,524	6,134	8,337	4,372	6,299	8,232	7,038	2,697
MEAN	177	201	219	209	126	198	278	141	210	266	227	89.9
MAX	320	496	658	1,540	160	766	518	197	566	716	1,150	207
MIN	124	127	137	111	106	121	169	98	108	132	109	58
CFSM	2.66	3.02	3.28	3.13	1.89	2.97	4.17	2.11	3.15	3.98	3.40	1.35
IN.	3.06	3.37	3.78	3.61	1.97	3.42	4.65	2.44	3.51	4.59	3.93	1.50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2005, BY WATER YEAR (WY)

MEAN	122	139	139	174	190	230	202	147	130	100	119	128
MAX	433	678	349	664	569	632	479	369	598	449	1,084	1,570
(WY)	(1937)	(1978)	(1984)	(1995)	(1998)	(1979)	(1983)	(1976)	(1972)	(1989)	(1940)	(2004)
MIN	18.9	27.8	30.9	31.8	60.8	74.3	62.0	48.9	33.7	23.0	15.5	13.8
(WY)	(1955)	(1932)	(1940)	(1940)	(1941)	(1988)	(1986)	(1941)	(1941)	(1930)	(1925)	(1925)

SANTEE RIVER BASIN

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1922 - 2005	
ANNUAL TOTAL	94,942		71,427		152	
ANNUAL MEAN	259		196		77.6	
HIGHEST ANNUAL MEAN					259	2004
LOWEST ANNUAL MEAN					77.6	1988
HIGHEST DAILY MEAN	16,600	Sep 8	1,540	Jan 14	16,600	Sep 8, 2004
LOWEST DAILY MEAN	34	Aug 21	58	Sep 25	8.0	Sep 7, 1925
ANNUAL SEVEN-DAY MINIMUM	40	Aug 17	64	Sep 20	10	Aug 22, 1925
MAXIMUM PEAK FLOW			3,060	Jan 14	42,400*	Sep 8, 2004
MAXIMUM PEAK STAGE			4.78	Jan 14	13.68*	Sep 8, 2004
INSTANTANEOUS LOW FLOW			54	Sep 24	2.0*	Jan 9, 1956
ANNUAL RUNOFF (CFSM)	3.89		2.93		2.27	
ANNUAL RUNOFF (INCHES)	52.95		39.84		30.87	
10 PERCENT EXCEEDS	272		306		267	
50 PERCENT EXCEEDS	136		160		100	
90 PERCENT EXCEEDS	69		112		38	

* See REMARKS.

e Estimated.

