

02100500 DEEP RIVER AT RAMSEUR, NC

LOCATION.--Lat 35°43'35", long 79°39'20", Randolph County, Hydrologic Unit 03030003, on right bank 0.2 mi downstream of Main Street bridge in Ramseur, 0.5 mi downstream of mill dam, and 1.5 mi downstream of Sandy Creek.

DRAINAGE AREA.--349 mi².

PERIOD OF RECORD.--November 1922 to current year.

REVISED RECORDS.--WSP 1032: 1923-24, 1925(M), 1926, 1927-28(M), 1929, 1930(M), 1932-33, 1934(M), 1935, 1936-37(M), 1944(M). WSP 1383: 1923(m), 1925, 1927, 1930, 1936. WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 419.50 ft above NGVD of 1929. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records good. Flow slightly regulated by Oak Hollow Reservoir (station 02098495), High Point Municipal Lake (station 02099096), and small power plant reservoirs. Prior to January 1963, diurnal fluctuation caused by power plant immediately upstream from station. Town of Asheboro diverted an average of 7.3 ft³/s from Yadkin River Basin for water supply and discharged an average of 7.1 ft³/s of treated effluent upstream from the station. Maximum discharge for period of record from rating curve extended above 18,000 ft³/s, on basis of slope-area measurement of peak flow; gage height, 34.04 ft. Minimum discharge for period of record occurred frequently in 1941. Minimum discharge for current water year also occurred Aug. 6, 14.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in August 1901 reached a stage of 28.75 ft, from floodmarks, 0.2 mi upstream; discharge, 30,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	187	180	159	162	248	999	419	158	79	281	142	93
2	170	156	140	153	195	1,270	406	199	81	212	110	65
3	166	145	126	150	896	799	262	718	73	99	160	51
4	159	136	127	151	891	510	220	434	125	213	122	45
5	152	130	134	159	427	400	207	267	333	648	89	41
6	147	134	203	216	350	344	193	194	178	321	50	41
7	145	171	192	193	2,130	383	185	164	113	154	73	58
8	148	207	136	163	836	346	180	155	87	112	56	2,840
9	159	172	146	141	474	279	178	146	130	86	48	4,400
10	177	144	154	167	367	259	173	108	132	76	42	2,200
11	209	125	893	168	312	242	168	140	90	73	41	339
12	209	134	474	153	342	226	214	133	73	72	44	196
13	177	131	291	155	528	201	1,050	111	76	79	75	147
14	153	113	1,130	160	390	209	1,480	86	70	71	355	118
15	170	105	1,200	156	313	205	629	134	78	56	674	110
16	183	116	589	149	520	266	408	120	91	57	255	112
17	151	113	465	144	515	549	300	76	103	53	155	188
18	139	108	752	157	399	426	250	73	117	779	102	1,400
19	122	130	441	207	345	610	223	82	89	645	92	455
20	121	430	271	179	312	411	218	104	77	224	79	224
21	118	285	234	150	291	319	208	95	84	134	62	146
22	119	178	199	140	267	263	189	91	65	96	74	116
23	123	151	198	137	237	248	169	93	65	49	58	108
24	113	134	206	139	238	218	166	74	230	68	49	66
25	110	143	206	142	218	194	167	104	194	59	50	75
26	112	135	185	148	199	204	145	79	139	51	43	77
27	122	127	164	152	245	205	189	77	278	48	41	92
28	167	126	159	155	310	203	204	74	169	169	37	5,440
29	448	181	159	159	556	193	171	78	305	345	36	4,390
30	445	192	159	235	---	197	157	268	231	656	62	2,430
31	235	---	166	260	---	220	---	148	---	235	99	---
TOTAL	5,356	4,732	10,058	5,100	13,351	11,398	9,128	4,783	3,955	6,221	3,375	26,063
MEAN	173	158	324	165	460	368	304	154	132	201	109	869
MAX	448	430	1,200	260	2,130	1,270	1,480	718	333	779	674	5,440
MIN	110	105	126	137	195	193	145	73	65	48	36	41
CFSM	0.50	0.45	0.93	0.47	1.32	1.05	0.87	0.44	0.38	0.58	0.31	2.49
IN.	0.57	0.50	1.07	0.54	1.42	1.21	0.97	0.51	0.42	0.66	0.36	2.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2004, BY WATER YEAR (WY)

MEAN	212	216	343	545	647	646	499	290	217	221	206	257
MAX	1,193	1,237	1,050	1,660	1,642	1,842	1,493	944	978	1,434	896	1,934
(WY)	(1991)	(1986)	(1933)	(1937)	(1979)	(1975)	(2003)	(1978)	(1982)	(1975)	(1939)	(1928)
MIN	8.69	14.1	39.1	40.8	119	144	97.8	45.6	48.1	36.5	32.4	17.7
(WY)	(1942)	(1942)	(1934)	(1942)	(2002)	(1967)	(2002)	(2002)	(1933)	(1986)	(1956)	(1954)

02100500 DEEP RIVER AT RAMSEUR, NC—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1923 - 2004	
ANNUAL TOTAL	263,406		103,520			
ANNUAL MEAN	722		283		357	
HIGHEST ANNUAL MEAN					875	2003
LOWEST ANNUAL MEAN					116	2002
HIGHEST DAILY MEAN	9,830	Apr 10	5,440	Sep 28	27,800	Sep 18, 1945
LOWEST DAILY MEAN	105	Nov 15	36	Aug 29	0.70	Nov 29, 1941
ANNUAL SEVEN-DAY MINIMUM	117	Oct 20	45	Aug 23	3.6	Oct 19, 1941
MAXIMUM PEAK FLOW			7,380	Sep 28	43000*	Sep 18, 1945
MAXIMUM PEAK STAGE			12.53	Sep 28	34.04*	Sep 18, 1945
INSTANTANEOUS LOW FLOW			31*	Aug 5	0.40*	May 27, 1941
ANNUAL RUNOFF (CFSM)	2.07		0.810		1.02	
ANNUAL RUNOFF (INCHES)	28.08		11.03		13.90	
10 PERCENT EXCEEDS	1,730		474		688	
50 PERCENT EXCEEDS	332		160		151	
90 PERCENT EXCEEDS	139		73		37	

* See REMARKS.

