

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 7.1 ft³/s from Yadkin River Basin for water supply and discharged an average of 6.8 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.

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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	727	103	267	159	312	1,560	414	179	56	74	506	48
2	797	129	262	158	232	599	367	230	135	67	357	43
3	404	118	238	156	248	397	436	189	301	68	130	38
4	303	80	189	156	904	305	345	155	306	110	139	35
5	219	307	162	153	475	270	290	151	194	67	75	31
6	177	238	205	142	331	228	231	88	109	119	79	30
7	151	137	180	140	255	217	292	143	135	85	52	29
8	119	108	212	162	234	511	893	158	104	259	39	29
9	123	103	186	119	218	792	920	132	130	261	1,000	28
10	117	104	3,060	146	216	396	492	103	237	98	1,160	29
11	112	104	3,070	133	257	305	308	108	432	109	781	28
12	107	192	821	141	213	258	235	112	252	101	491	28
13	240	1,520	480	150	182	257	276	161	78	102	175	27
14	251	489	355	4,330	186	248	436	144	123	76	69	28
15	176	274	276	1,730	289	235	408	130	139	77	95	27
16	145	183	236	592	275	321	209	90	130	79	109	27
17	101	181	184	405	217	1,530	209	99	66	85	86	28
18	100	167	193	299	198	1,140	202	105	68	79	142	27
19	92	138	181	243	182	563	172	99	42	68	159	27
20	109	127	171	221	172	406	185	115	73	140	114	28
21	128	142	168	216	173	328	186	179	45	177	86	27
22	116	128	166	206	211	279	167	142	42	100	64	27
23	109	191	188	198	198	375	158	115	23	58	61	27
24	106	477	489	186	301	793	157	108	84	35	118	27
25	109	718	292	163	552	492	154	135	34	15	106	27
26	111	525	215	195	336	362	151	114	32	35	69	28
27	105	308	183	183	255	301	143	130	41	35	35	27
28	102	618	170	175	1,340	2,030	115	32	57	42	9.9	28
29	70	538	155	144	---	2,530	143	112	104	182	14	26
30	98	336	160	190	---	1,560	162	67	91	576	44	25
31	107	---	162	463	---	574	---	47	---	618	51	---
TOTAL	5,731	8,783	13,276	12,054	8,962	20,162	8,856	3,872	3,663	3,997	6,415.9	884
MEAN	185	293	428	389	320	650	295	125	122	129	207	29.5
MAX	797	1,520	3,070	4,330	1,340	2,530	920	230	432	618	1,160	48
MIN	70	80	155	119	172	217	115	32	23	15	9.9	25
CFSM	0.53	0.84	1.23	1.11	0.92	1.86	0.85	0.36	0.35	0.37	0.59	0.08
IN.	0.61	0.94	1.42	1.28	0.96	2.15	0.94	0.41	0.39	0.43	0.68	0.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2005, BY WATER YEAR (WY)

MEAN	211	217	345	544	643	646	496	288	216	220	206	255
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)

CAPE FEAR RIVER BASIN

02100500 DEEP RIVER AT RAMSEUR, NC—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1923 - 2005	
ANNUAL TOTAL	111,164		96,655.9			
ANNUAL MEAN	304		265		356	
HIGHEST ANNUAL MEAN					875	2003
LOWEST ANNUAL MEAN					116	2002
HIGHEST DAILY MEAN	5,440	Sep 28	4,330	Jan 14	27,800	Sep 18, 1945
LOWEST DAILY MEAN	36	Aug 29	9.9	Aug 28	0.70	Nov 29, 1941
ANNUAL SEVEN-DAY MINIMUM	45	Aug 23	27	Sep 24	3.6	Oct 19, 1941
MAXIMUM PEAK FLOW			7,640	Jan 14	43,000*	Sep 18, 1945
MAXIMUM PEAK STAGE			12.88	Jan 14	34.04*	Sep 18, 1945
INSTANTANEOUS LOW FLOW			9.2	Aug 28	0.40*	May 27, 1941
ANNUAL RUNOFF (CFSM)	0.870		0.759		1.02	
ANNUAL RUNOFF (INCHES)	11.85		10.30		13.85	
10 PERCENT EXCEEDS	526		498		685	
50 PERCENT EXCEEDS	168		158		151	
90 PERCENT EXCEEDS	73		35		36	

* See REMARKS.

