

CHOWAN RIVER BASIN

02053500 AHOSKIE CREEK AT AHOSKIE, NC

LOCATION.--Lat 36°16'49", long 76°59'59", Hertford County, Hydrologic Unit 03010203, on right bank 10 ft downstream of bridge on State Highways 11 and 42, 0.5 mi upstream from Seaboard Coast Line Railroad bridge, and 0.8 mi southwest of Ahoskie.

DRAINAGE AREA.--63.3 mi².

PERIOD OF RECORD.--January 1950 to current year.

REVISED RECORDS.--WDR NC-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 17.46 ft above NGVD of 1929 (Soil Conservation Service bench mark). Prior to Jan. 4, 1963, present site at 21.46 ft. Jan. 20, 1950, to May 24, 1951, nonrecording gage. Satellite telemetry at station.

REMARKS.--No estimated daily discharges. Records fair. Entire basin above station canalized since July 1964. Minimum discharge since canalization also occurred Oct. 9, 1988. Prior to canalization, no flow occurred periodically.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of August 1940 reached a stage of 15.1 ft, present datum, from floodmark witnessed by local resident; discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	14	15	39	279	366	61	14	25	13	8.4	30
2	3.3	10	14	47	165	702	45	13	20	13	8.7	10
3	3.3	8.1	14	41	110	495	37	12	18	16	12	9.6
4	3.1	7.1	13	38	91	233	31	12	18	13	10	23
5	2.9	7.5	281	33	90	268	31	11	18	11	41	32
6	2.6	68	291	30	67	615	40	13	16	9.7	18	12
7	2.5	42	122	30	420	558	220	12	127	9.1	36	9.5
8	3.4	19	75	30	316	271	605	11	1,180	8.6	61	8.2
9	3.1	13	52	28	173	166	999	13	1,500	9.1	438	7.7
10	3.1	11	42	26	204	110	1,340	14	1,480	8.5	130	7.2
11	42	9.0	39	24	244	78	1,370	12	706	11	58	7.1
12	242	45	46	22	146	63	863	11	160	15	35	11
13	37	220	77	20	99	53	311	9.9	81	10	26	12
14	19	107	232	20	73	46	148	9.4	47	49	20	9.7
15	12	39	109	19	85	40	82	9.3	151	37	16	8.4
16	9.9	51	70	18	223	37	57	9.3	850	16	14	7.8
17	7.9	417	50	20	912	35	42	8.0	347	101	20	7.5
18	6.5	367	40	19	584	33	34	12	166	32	24	605
19	5.7	126	34	18	267	31	32	23	79	18	13	1,210
20	5.3	64	60	17	163	38	31	18	57	14	11	1,300
21	13	42	122	17	114	93	27	13	41	12	10	1,280
22	20	35	66	17	152	73	25	33	31	10	9.7	693
23	15	30	48	17	422	53	22	359	25	9.8	9.4	246
24	11	25	105	17	201	42	19	582	21	13	9.1	166
25	8.4	22	407	15	125	36	18	227	18	12	8.9	100
26	7.4	20	207	16	89	32	19	148	16	11	8.6	68
27	6.1	19	111	16	127	29	20	93	14	9.7	8.0	48
28	7.0	17	73	15	715	27	18	62	13	8.7	7.7	40
29	9.9	16	54	16	---	26	16	42	12	7.9	8.0	36
30	26	16	44	50	---	62	15	32	11	7.8	7.6	29
31	25	---	38	542	---	98	---	27	---	7.6	22	---
TOTAL	566.5	1,886.7	2,951	1,277	6,656	4,809	6,578	1,864.9	7,248	523.5	1,109.1	6,033.7
MEAN	18.3	62.9	95.2	41.2	238	155	219	60.2	242	16.9	35.8	201
MAX	242	417	407	542	912	702	1,370	582	1,500	101	438	1,300
MIN	2.5	7.1	13	15	67	26	15	8.0	11	7.6	7.6	7.1
CFSM	0.29	0.99	1.50	0.65	3.76	2.45	3.46	0.95	3.82	0.27	0.57	3.18
IN.	0.33	1.11	1.73	0.75	3.91	2.83	3.87	1.10	4.26	0.31	0.65	3.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, * BY WATER YEAR (WY)

MEAN	39.6	23.3	46.1	99.3	124	123	75.9	43.6	43.4	30.7	44.0	49.6
MAX	297	120	177	260	343	303	243	238	322	126	381	894
(WY)	(1972)	(1986)	(1990)	(1979)	(1998)	(1989)	(1983)	(1979)	(2001)	(1975)	(1992)	(1999)
MIN	2.84	3.21	3.10	7.66	18.9	17.3	8.73	4.21	5.43	3.55	3.59	3.41
(WY)	(2002)	(1982)	(1995)	(1981)	(1968)	(1988)	(1985)	(1986)	(1986)	(1987)	(1983)	(1980)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003*	
ANNUAL TOTAL	10,844.0		41,503.4		61.6	
ANNUAL MEAN	29.7		114		114	
HIGHEST ANNUAL MEAN					14.7	
LOWEST ANNUAL MEAN					1981	
HIGHEST DAILY MEAN	417	Nov 17	1,500	Jun 9	7,710	Sep 17, 1999
LOWEST DAILY MEAN	1.8	May 31	2.5	Oct 7	0.61	Oct 8, 1988
ANNUAL SEVEN-DAY MINIMUM	1.9	Aug 7	3.0	Oct 4	0.85	Sep 27, 1988
MAXIMUM PEAK FLOW			1,560	Jun 10	8,570	Sep 17, 1999
MAXIMUM PEAK STAGE			11.19	Sep 18	17.32	Sep 17, 1999
INSTANTANEOUS LOW FLOW			2.4	Oct 6	0.45*	Oct 8, 1988
ANNUAL RUNOFF (CFSM)	0.47		1.80		0.97	
ANNUAL RUNOFF (INCHES)	6.37		24.39		13.22	
10 PERCENT EXCEEDS	70		285		133	
50 PERCENT EXCEEDS	11		28		17	
90 PERCENT EXCEEDS	2.7		8.4		4.2	

* Canalized period only (1954-2003). See REMARKS.

