

CHOWAN RIVER BASIN

02053500 AHOSKIE CREEK AT AHOSKIE, NC

LOCATION.--Lat 36°16'48", long 77°00'00", 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 sea level (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 poor. 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 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	3.2	11	12	9.4	29	452	11	10	10	18	6.1
2	21	3.2	9.8	12	9.3	26	513	10	22	9.7	13	6.0
3	16	3.2	10	11	8.7	24	257	9.5	16	9.3	11	5.8
4	12	3.2	11	11	8.4	52	158	8.5	10	9.0	9.5	5.7
5	9.7	3.7	11	11	26	82	101	8.3	8.6	8.9	8.7	5.7
6	8.5	3.1	14	11	34	69	74	7.6	77	8.4	8.2	5.5
7	7.2	3.1	16	11	24	50	57	7.4	33	7.5	7.5	5.4
8	6.5	4.0	21	12	20	40	45	7.3	16	7.8	6.7	5.4
9	6.1	3.2	21	13	17	33	37	7.2	11	8.0	6.4	5.5
10	5.7	2.9	18	12	15	28	31	6.9	8.3	7.4	6.2	5.6
11	5.5	3.3	16	12	13	25	27	6.4	7.2	7.6	6.1	7.3
12	5.2	3.8	15	11	12	23	25	7.0	6.4	6.8	6.0	5.5
13	5.0	3.5	13	11	13	27	23	7.0	6.0	6.0	6.1	5.2
14	4.7	4.5	15	11	16	30	21	6.6	8.4	5.4	12	5.2
15	4.6	4.4	20	12	17	33	19	6.3	159	5.1	8.4	5.2
16	4.5	3.8	19	12	17	58	17	6.6	1760	4.8	6.6	5.0
17	4.3	3.7	42	11	113	45	16	6.8	2830	4.8	6.0	4.8
18	4.3	4.0	50	11	92	36	25	6.8	2560	5.0	10	4.9
19	3.9	4.5	32	11	55	30	16	6.7	1410	4.5	25	4.6
20	3.8	5.5	27	15	42	26	14	12	331	4.8	16	5.2
21	3.7	5.2	23	21	35	307	13	11	123	4.6	9.4	5.0
22	3.5	4.7	21	17	50	237	12	8.3	72	4.6	7.4	5.0
23	3.5	4.0	19	15	107	127	11	8.4	49	4.5	6.6	5.0
24	3.5	3.6	17	14	65	77	11	7.4	33	4.4	18	8.9
25	3.5	14	16	12	50	55	37	6.9	26	4.4	12	40
26	3.6	54	15	11	46	44	36	7.9	22	5.5	7.4	16
27	3.5	24	14	11	39	36	25	8.6	18	298	6.2	7.7
28	3.6	16	14	9.8	33	31	19	8.0	15	114	6.6	5.8
29	3.3	13	14	9.5	---	52	15	7.9	12	42	6.1	4.8
30	3.3	12	13	10	---	187	12	7.4	12	46	6.0	4.2
31	3.2	---	12	9.7	---	132	---	7.4	---	27	5.9	---
TOTAL	202.7	224.3	569.8	373.0	986.8	2051	2119	245.1	9671.9	695.8	289.0	212.0
MEAN	6.54	7.48	18.4	12.0	35.2	66.2	70.6	7.91	322	22.4	9.32	7.07
MAX	26	54	50	21	113	307	513	12	2830	298	25	40
MIN	3.2	2.9	9.8	9.5	8.4	23	11	6.3	6.0	4.4	5.9	4.2
CFSM	.10	.12	.29	.19	.56	1.05	1.12	.12	5.09	.35	.15	.11
IN.	.12	.13	.33	.22	.58	1.21	1.25	.14	5.68	.41	.17	.12

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2001, BY WATER YEAR (WY)

MEAN	41.1	22.8	45.9	102	124	125	73.1	44.2	39.1	31.5	45.2	46.6
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	3.01	3.21	3.10	7.66	18.9	17.3	8.73	4.21	5.43	3.55	3.59	3.41
(WY)	1977	1982	1995	1981	1968	1988	1985	1986	1986	1987	1983	1980

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR WATER YEARS 1964 - 2001

ANNUAL TOTAL	16666.7	17640.4	
ANNUAL MEAN	45.5	48.3	61.4
HIGHEST ANNUAL MEAN			109
LOWEST ANNUAL MEAN			14.7
HIGHEST DAILY MEAN	669	Jan 31	2830
LOWEST DAILY MEAN	2.9	Nov 10	2.9
ANNUAL SEVEN-DAY MINIMUM	3.2	Oct 29	3.2
MAXIMUM PEAK FLOW			3100
MAXIMUM PEAK STAGE			13.13
INSTANTANEOUS LOW FLOW			2.3
ANNUAL RUNOFF (CFSM)	.72		.76
ANNUAL RUNOFF (INCHES)	9.79		10.37
10 PERCENT EXCEEDS	108		51
50 PERCENT EXCEEDS	21		11
90 PERCENT EXCEEDS	4.5		4.4

* Canalized period only (1964-2001). See REMARKS.

02053500 AHOSKIE CREEK AT AHOSKIE, NC--Continued

