

CHOWAN RIVER BASIN

02053500 AHOSKIE CREEK AT AHOSKIE, NC

LOCATION.--Lat 36°16'49", long 76°59'58", 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 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	10	20	93	95	263	37	13	11	6.1	43	3.6
2	14	10	20	69	70	140	142	12	15	6.0	15	3.3
3	13	10	18	53	68	88	209	11	20	6.1	8.7	3.6
4	28	24	17	44	179	64	92	11	24	5.7	7.3	3.9
5	54	32	15	38	121	53	55	11	17	5.4	6.9	4.1
6	27	20	15	33	82	46	40	84	14	9.7	6.0	4.7
7	20	15	15	30	64	41	33	185	13	7.4	5.8	4.5
8	17	13	14	27	54	91	46	76	17	10	5.9	4.2
9	15	12	14	25	48	170	48	43	57	9.9	9.8	4.2
10	13	11	211	23	44	97	37	30	29	6.9	51	4.0
11	12	11	216	22	40	71	30	23	20	5.9	14	3.7
12	12	16	91	21	36	64	26	20	15	5.8	8.9	3.5
13	13	88	57	20	34	55	35	17	12	5.2	6.8	3.7
14	17	49	41	277	33	46	92	16	11	6.6	6.8	4.0
15	17	31	33	486	37	41	54	17	9.7	8.0	6.0	3.7
16	16	26	28	228	37	42	37	29	8.6	5.1	12	3.6
17	14	23	26	148	35	296	30	24	7.9	7.4	144	3.5
18	12	21	25	98	33	349	26	19	7.3	18	40	3.8
19	13	19	24	71	30	187	23	18	6.9	9.5	18	3.3
20	27	18	23	60	28	134	21	39	6.4	6.8	11	3.3
21	21	17	21	59	28	104	19	35	5.9	6.2	19	4.7
22	17	16	20	57	28	73	18	24	5.8	6.0	39	3.8
23	14	21	21	69	27	166	17	20	6.0	5.2	11	3.8
24	13	42	30	56	40	271	16	17	5.6	4.9	8.1	3.3
25	13	33	28	49	64	143	15	16	5.3	5.0	6.9	3.3
26	12	26	27	48	49	91	14	17	5.0	5.6	5.0	3.2
27	12	22	27	45	41	65	14	15	4.7	5.3	4.3	3.3
28	11	26	29	39	210	63	13	13	11	14	4.2	3.2
29	11	26	34	35	---	68	13	12	8.1	9.2	3.9	3.3
30	11	22	97	114	---	52	13	11	6.7	12	3.9	3.5
31	10	---	122	152	---	44	---	11	---	36	3.7	---
TOTAL	513	710	1,379	2,589	1,655	3,478	1,265	889	385.9	260.9	535.9	111.6
MEAN	16.5	23.7	44.5	83.5	59.1	112	42.2	28.7	12.9	8.42	17.3	3.72
MAX	54	88	216	486	210	349	209	185	57	36	144	4.7
MIN	10	10	14	20	27	41	13	11	4.7	4.9	3.7	3.2
CFSM	0.26	0.37	0.70	1.32	0.93	1.77	0.67	0.45	0.20	0.13	0.27	0.06
IN.	0.30	0.42	0.81	1.52	0.97	2.04	0.74	0.52	0.23	0.15	0.31	0.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005,* BY WATER YEAR (WY)

	39.6	23.6	48.6	97.3	121	121	73.8	42.7	42.0	30.3	48.4	49.5
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 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005*	
ANNUAL TOTAL	19,767.8		13,772.3		61.2	
ANNUAL MEAN	54.0		37.7		114	
HIGHEST ANNUAL MEAN					14.7	
LOWEST ANNUAL MEAN					1981	
HIGHEST DAILY MEAN	1,540	Aug 16	486	Jan 15	7,710	Sep 17, 1999
LOWEST DAILY MEAN	6.6	Jun 16	3.2	Sep 26	0.61	Oct 8, 1988
ANNUAL SEVEN-DAY MINIMUM	7.7	Jun 11	3.3	Sep 24	0.85	Sep 27, 1988
MAXIMUM PEAK FLOW			645	Jan 14	8,570	Sep 17, 1999
MAXIMUM PEAK STAGE			7.96	Jan 14	17.32	Sep 17, 1999
INSTANTANEOUS LOW FLOW			2.9	Sep 28	0.45*	Oct 8, 1988
ANNUAL RUNOFF (CFSM)	0.853		0.596		0.966	
ANNUAL RUNOFF (INCHES)	11.62		8.09		13.13	
10 PERCENT EXCEEDS	89		91		131	
50 PERCENT EXCEEDS	23		19		17	
90 PERCENT EXCEEDS	10		4.8		4.2	

* Canalized period only (1954-2005). See REMARKS.

