02085070 ENO RIVER NEAR DURHAM, NC

LOCATION.--Lat 36°04'20", long 78°54'30", Durham County, Hydrologic Unit 03020201, on right bank 275 ft downstream of bridge on U.S. Highway 501, 0.2 mi downstream of Crooked Creek, and 5 mi north of Durham.

DRAINAGE AREA.--141 mi^2

PERIOD OF RECORD.--Occasional low-flow measurements, water year 1955. August 1963 to current year.

REVISED RECORDS.--WDR NC-72-1: 1968-71(M), 1971(P).

GAGE.--Water-stage recorder. Elevation of gage is 270 ft above sea level, from topographic map. Prior to Nov. 19, 1966, at site 275 ft upstream, at datum 272.35 ft. Nov. 20, 1966, to Sept. 30, 1967, water-stage recorder at present site, at datum 270.94 ft. U.S. Army Corps of Engineers satellite telemetry at station.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Some regulation during periods of low flow caused by mill 600 ft upstream. Maximum gage height for period of record, 23.58 ft, from floodmark. Minimum discharge for period of record also occurred on Aug. 15, 1977.

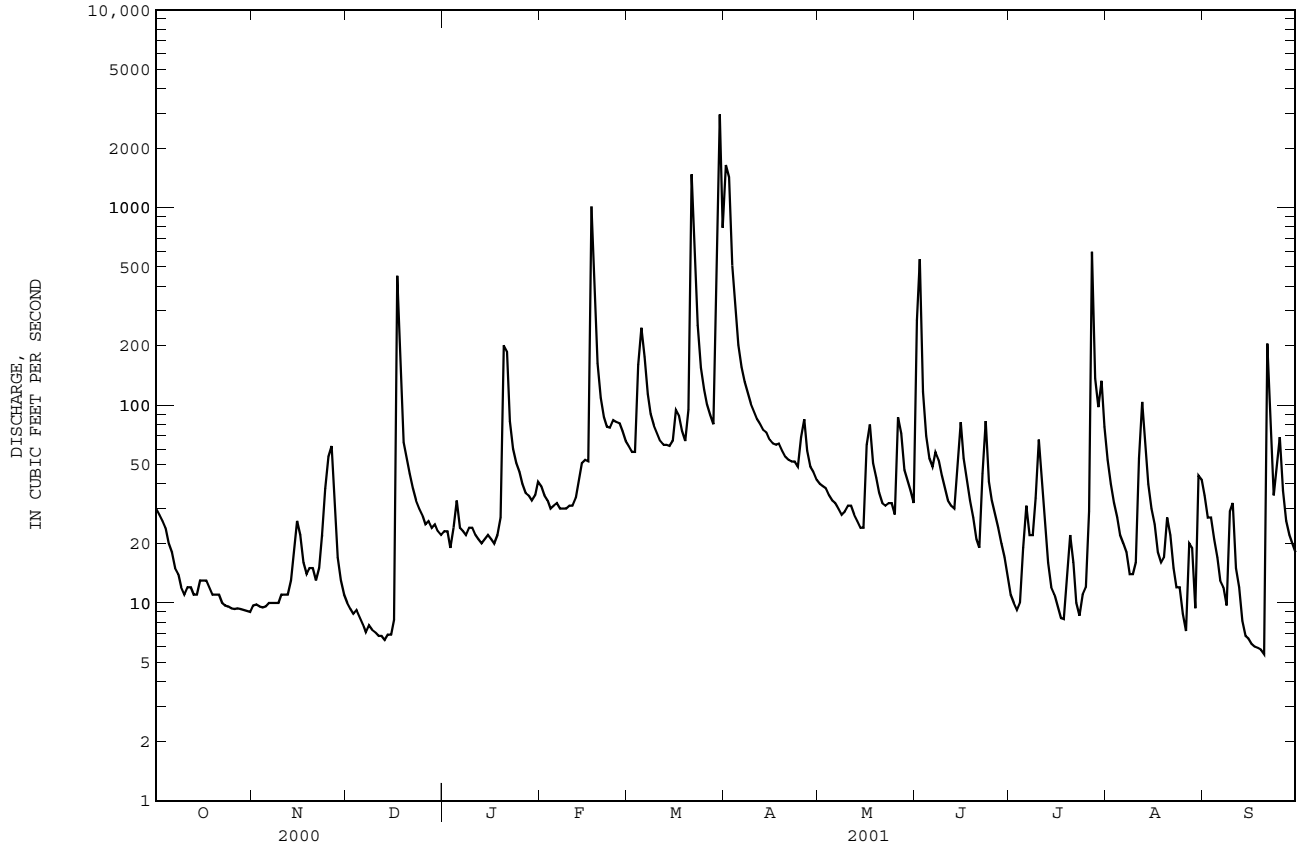
DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	e9.7	10	23	39	62	1640	40	269	11	53	35
2	28	e9.8	9.3	23	35	58	1420	39	547	10	40	27
3	26	e9.6	8.8	19	33	58	508	38	117	9.2	32	27
4	24	e9.5	9.2	24	30	160	313	35	70	10	27	21
5	20	e9.6	8.5	33	31	247	202	33	54	19	22	17
6	18	e10	7.8	24	32	176	156	32	49	31	20	13
7	15	e10	7.1	23	30	114	131	30	58	22	18	12
8	14	e10	7.7	22	30	90	115	28	53	22	14	9.7
9	12	e10	7.3	24	30	79	102	29	44	34	14	29
10	11	e11	7.1	24	31	72	93	31	38	67	16	32
11	12	e11	6.8	22	31	66	85	31	33	39	54	15
12	12	e11	6.8	21	34	63	80	28	31	24	104	12
13	11	e13	6.5	20	41	63	75	26	30	16	64	8.1
14	11	e18	6.9	21	51	62	73	24	52	12	40	6.8
15	13	e26	6.9	22	53	66	67	24	82	11	30	6.6
16	13	e22	8.2	21	52	95	64	63	54	9.6	e25	e6.2
17	13	e16	452	20	1010	89	63	80	42	8.4	e18	e6.0
18	12	e14	150	22	422	74	64	51	e33	8.3	16	e5.9
19	11	e15	65	27	163	66	59	43	27	13	17	e5.8
20	11	e15	54	201	109	95	55	36	21	22	27	e5.5
21	11	e13	45	187	87	1470	53	32	19	16	22	e205
22	e10	e15	38	83	78	571	52	31	45	10	15	e80
23	e9.7	e22	33	60	77	254	52	32	83	8.6	12	e35
24	e9.6	38	30	51	84	155	49	32	41	11	12	e48
25	e9.4	55	28	46	82	120	69	28	33	12	8.8	e69
26	e9.3	62	25	40	81	101	85	87	28	29	7.2	e37
27	e9.4	30	26	36	74	89	59	72	24	596	20	e26
28	e9.3	17	24	35	66	80	49	47	20	137	19	e22
29	e9.2	13	25	33	---	621	46	42	17	98	9.4	e20
30	e9.1	11	23	35	---	2950	42	37	14	133	44	e18
31	e9.0	---	22	41	---	789	---	32	---	78	42	---
TOTAL	422.0	536.2	1164.9	1283	2916	9055	5921	1213	2028	1527.1	862.4	860.6
MEAN	13.6	17.9	37.6	41.4	104	292	197	39.1	67.6	49.3	27.8	28.7
MAX	30	62	452	201	1010	2950	1640	87	547	596	104	205
MIN	9.0	9.5	6.5	19	30	58	42	24	14	8.3	7.2	5.5
CFSM	.10	.13	.27	.29	.74	2.07	1.40	.28	.48	.35	.20	.20
IN.	.11	.14	.31	.34	.77	2.39	1.56	.32	.54	.40	.23	.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2001, BY WATER YEAR (WY)

MEAN	57.7	75.5	106	205	249	282	185	121	87.7	70.7	50.8	71.2
MAX	456	462	406	517	638	767	424	429	411	452	282	606
(WY)	1972	1986	1973	1998	1998	1998	1983	1978	1982	1975	1985	1999
MIN	4.77	8.98	19.4	21.4	64.7	67.4	34.9	26.1	6.86	6.35	3.34	.84
(WY)	1964	1999	1995	1981	1968	1988	1995	1986	1986	1977	1977	1968

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1963 - 2001	
ANNUAL TOTAL	43411.1		27789.2			
ANNUAL MEAN	119		76.1		130	
HIGHEST ANNUAL MEAN					244	1973
LOWEST ANNUAL MEAN					60.4	1977
HIGHEST DAILY MEAN	3950	Jul 24	2950	Mar 30	9900	Sep 6 1996
LOWEST DAILY MEAN	6.5	Dec 13	5.5	Sep 20	.08	Aug 14 1977
ANNUAL SEVEN-DAY MINIMUM	6.9	Dec 9	6.1	Sep 14	.20	Aug 8 1977
MAXIMUM PEAK FLOW			5010	Mar 30	14700	Sep 6 1996
MAXIMUM PEAK STAGE			13.14	Mar 30	23.58*	Sep 6 1996
INSTANTANEOUS LOW FLOW			4.5	Oct 18	.06*	Aug 14 1977
ANNUAL RUNOFF (CFSM)	.84		.54		.92	
ANNUAL RUNOFF (INCHES)	11.45		7.33		12.49	
10 PERCENT EXCEEDS	289		103		262	
50 PERCENT EXCEEDS	47		30		52	
90 PERCENT EXCEEDS	11		9.4		7.1	

e Estimated.
* See REMARKS.

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