

0214266080 GAR CREEK NEAR CROFT, NC

LOCATION.--Lat 35°21'41", long 80°53'51", Mecklenburg County, Hydrologic Unit 03050101, mounted on stand-alone enclosure at Secondary Road 2074, and 4.3 mi west of Croft.

DRAINAGE AREA.--3.55 mi<sup>2</sup>.

PERIOD OF RECORD.--October 2002 to September 2005.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 658.61 ft above North American Vertical Datum of 1988. Radio telemetry at station.

REMARKS.--Records poor for 2003-2004 water years. Records fair for 2005 water year, except those for estimated daily discharges which are poor. Peak discharge not determined for current water year and period of record. Minimum discharge for 2003 water year and period of record also occurred Oct. 2-9, 2002. Minimum discharge for 2004 water year also occurred July 25-27, Aug. 9-11, 2004. Minimum discharge for current water year also occurred Sept. 23-25, 30.

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	0.09	0.36	0.46	1.4	3.3	4.5	3.2	1.9	4.2	1.1	1.3	1.5
2	0.10	0.34	0.46	1.2	2.2	7.5	2.4	2.1	2.1	9.0	1.1	0.85
3	0.10	0.34	0.46	1.6	1.7	3.8	1.9	2.6	e19	2.3	1.1	0.80
4	0.10	0.32	0.48	1.4	1.6	2.8	1.6	3.3	16	1.5	2.2	0.77
5	0.09	0.52	21	1.2	1.3	2.5	1.7	3.1	e4.8	e1.3	2.5	0.75
6	0.09	3.9	8.4	1.1	1.2	e30	1.5	27	e2.6	e1.8	1.3	0.69
7	0.09	1.1	5.3	1.00	5.7	7.5	39	11	e22	e1.4	1.1	0.68
8	0.10	0.69	2.9	1.0	2.8	4.0	11	4.0	e20	e0.90	1.1	0.77
9	0.10	0.66	1.9	1.0	2.0	2.9	e25	2.5	e4.5	e0.80	1.0	0.76
10	0.10	0.60	1.4	1.1	1.8	2.2	e70	2.0	3.2	e2.0	1.1	0.65
11	6.5	e0.63	4.5	1.0	1.6	1.9	27	1.8	2.4	1.1	1.2	0.64
12	0.35	36	2.5	0.96	1.3	1.7	8.0	1.6	2.2	1.2	1.6	0.62
13	1.0	7.4	27	1.00	1.2	1.5	4.0	1.4	2.0	e50	2.0	0.63
14	0.45	2.6	8.4	0.96	1.2	1.4	2.8	1.3	1.7	21	1.1	0.61
15	0.28	1.3	e3.9	0.90	1.6	1.7	2.3	1.4	1.6	4.4	1.1	0.60
16	11	11	2.3	0.92	1.6	25	2.0	1.4	1.8	2.3	0.98	0.55
17	0.90	14	1.6	0.93	1.6	5.9	1.8	1.4	1.7	1.9	0.96	0.53
18	0.38	4.2	1.3	e0.75	3.7	4.1	33	1.5	3.8	1.7	0.91	0.53
19	e0.30	2.0	1.1	e0.75	3.9	e5.0	24	1.5	3.3	1.8	0.86	0.56
20	e0.25	1.5	2.1	e0.89	2.9	e70	7.6	1.3	2.0	1.5	0.84	0.53
21	e1.1	1.1	1.6	e0.89	2.2	e15	4.5	2.8	1.6	1.3	0.81	0.53
22	e0.90	0.86	1.3	e0.75	e20	5.0	3.4	e75	1.4	1.2	0.80	3.3
23	0.32	0.73	1.1	0.93	11	3.2	2.4	27	1.3	1.3	0.77	10
24	0.28	0.68	e30	0.78	3.7	2.4	2.1	7.6	1.2	1.2	0.81	1.2
25	0.26	0.61	e15	0.83	2.6	2.1	2.2	13	1.1	1.1	0.72	0.85
26	0.30	0.59	5.7	0.87	2.5	1.8	24	5.9	1.0	1.2	0.69	0.76
27	0.27	0.55	3.2	0.83	14	1.6	6.7	9.4	1.0	1.2	0.66	0.72
28	0.88	0.53	2.2	0.81	8.4	1.5	3.2	3.8	1.1	1.0	0.64	0.72
29	1.0	0.53	1.7	1.00	---	1.5	2.6	2.8	1.1	0.99	0.64	0.62
30	0.64	0.52	1.4	15	---	14	2.4	2.1	0.98	1.1	0.59	0.63
31	0.44	---	1.2	7.1	---	5.8	---	5.9	---	1.0	0.94	---
TOTAL	28.76	96.16	161.86	50.85	108.6	239.8	323.3	229.4	132.68	121.59	33.42	33.35
MEAN	0.93	3.21	5.22	1.64	3.88	7.74	10.8	7.40	4.42	3.92	1.08	1.11
MAX	11	36	30	15	20	70	70	75	22	50	2.5	10
MIN	0.09	0.32	0.46	0.75	1.2	1.4	1.5	1.3	0.98	0.80	0.59	0.53
CFSM	0.26	0.90	1.47	0.46	1.09	2.18	3.04	2.08	1.25	1.10	0.30	0.31
IN.	0.30	1.01	1.70	0.53	1.14	2.51	3.39	2.40	1.39	1.27	0.35	0.35

SUMMARY STATISTICS

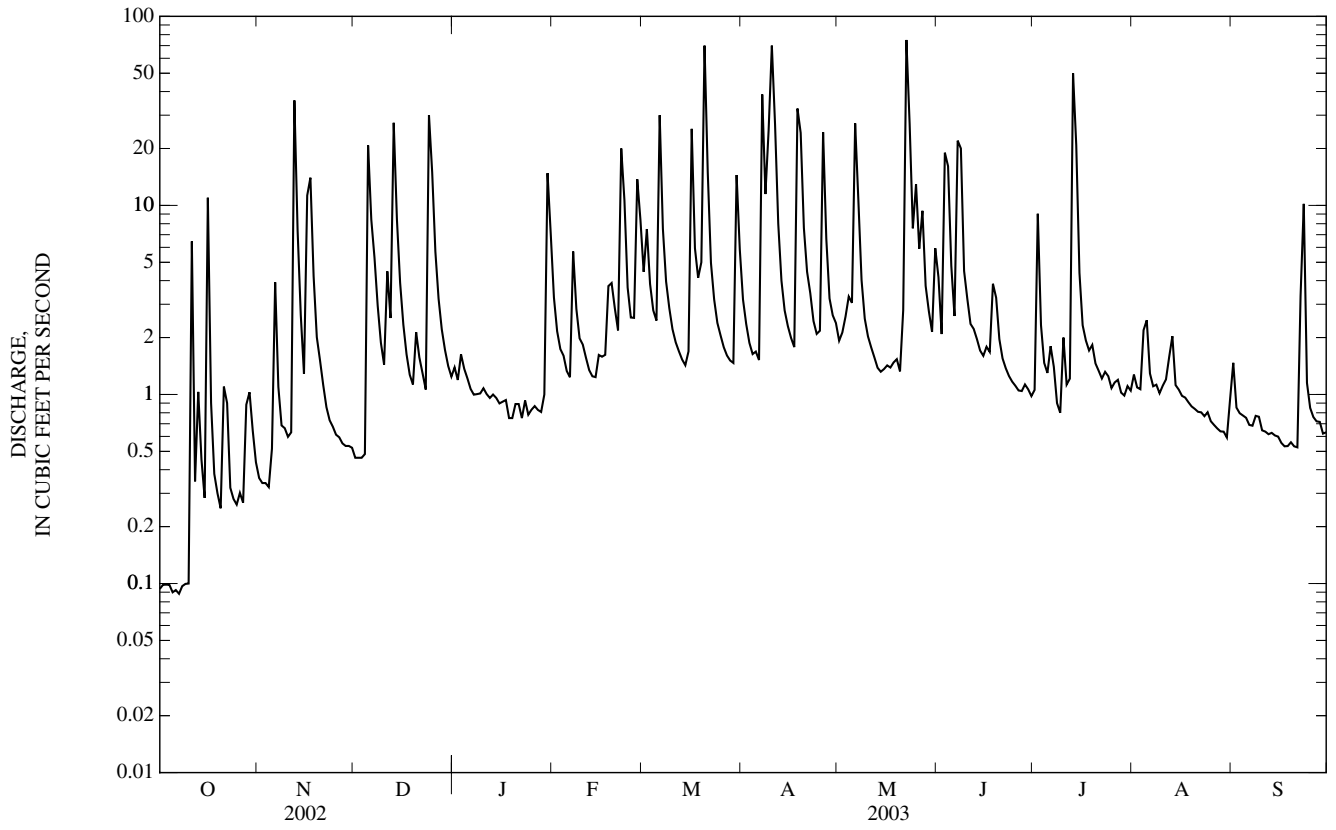
FOR 2003 WATER YEAR

ANNUAL TOTAL	1,559.77
ANNUAL MEAN	4.27
HIGHEST ANNUAL MEAN	
LOWEST ANNUAL MEAN	
HIGHEST DAILY MEAN	e75 May 22
LOWEST DAILY MEAN	0.09 Oct 1
ANNUAL SEVEN-DAY MINIMUM	0.09 Oct 1
MAXIMUM PEAK FLOW	NOT DETERMINED*
MAXIMUM PEAK STAGE	9.84 Jul 13
INSTANTANEOUS LOW FLOW	0.08* Oct 1
ANNUAL RUNOFF (CFSM)	1.20
ANNUAL RUNOFF (INCHES)	16.34
10 PERCENT EXCEEDS	10
50 PERCENT EXCEEDS	1.5
90 PERCENT EXCEEDS	0.53

\* See REMARKS.  
e Estimated.

SANTEE RIVER BASIN

0214266080 GAR CREEK NEAR CROFT, NC—Continued



0214266080 GAR CREEK NEAR CROFT, NC—Continued

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.68	1.3	1.4	0.80	0.83	e4.7	1.8	0.94	0.42	0.30	0.16	0.28
2	0.65	1.3	1.4	0.80	0.81	4.3	1.0	0.91	0.36	0.29	0.26	0.16
3	0.62	1.3	1.3	0.80	2.9	2.4	0.86	0.91	0.33	0.29	0.28	0.14
4	e0.61	1.4	1.4	0.84	1.6	1.6	0.77	0.81	0.36	0.28	0.16	0.13
5	e0.59	1.8	1.6	0.92	1.2	1.3	0.70	0.74	0.37	0.28	0.16	0.13
6	e0.57	1.8	1.5	0.91	16	1.2	0.68	0.69	0.35	0.25	0.14	0.16
7	e0.59	1.6	1.4	0.79	9.6	1.0	0.69	0.67	0.41	0.23	0.12	e4.0
8	0.81	e1.5	e1.4	0.79	3.1	0.99	0.70	0.65	0.42	0.22	0.12	e16
9	0.90	e1.4	e1.3	0.88	2.0	1.0	0.65	0.66	0.40	0.20	0.12	3.5
10	0.79	e1.3	e3.5	0.83	1.6	0.97	0.61	0.71	0.37	0.19	0.11	1.2
11	1.0	e1.3	2.0	0.79	1.4	0.91	0.62	0.59	0.34	0.23	e0.11	0.85
12	0.85	e1.5	1.2	0.81	4.6	0.90	1.0	0.59	0.29	0.21	e3.0	0.68
13	0.79	1.5	1.3	0.85	3.2	0.83	7.0	0.59	0.32	0.21	0.57	0.60
14	0.95	1.4	6.8	0.79	2.1	0.79	3.3	0.58	4.0	0.20	0.61	0.57
15	1.1	1.5	2.5	0.81	2.2	0.87	1.9	0.56	1.3	0.18	0.33	0.53
16	0.93	1.5	1.4	0.79	2.4	0.96	1.4	0.51	0.64	0.17	0.25	0.53
17	0.99	1.5	1.8	0.79	1.8	0.98	1.2	0.56	0.44	1.2	0.20	2.5
18	1.0	1.5	1.4	0.96	1.6	1.0	1.1	0.57	0.38	1.8	0.19	1.6
19	1.0	2.3	1.2	0.84	1.5	0.93	1.0	0.52	e0.30	0.19	0.17	0.74
20	1.0	1.7	1.1	0.79	1.4	0.83	0.97	0.50	e0.30	0.16	0.16	0.61
21	1.1	1.5	0.98	0.79	1.3	0.88	0.90	0.47	e4.0	0.13	0.17	0.55
22	1.1	1.5	1.0	0.79	1.3	0.79	0.86	0.44	e1.9	0.13	0.18	0.54
23	1.0	1.4	1.0	0.79	1.2	0.78	e0.78	0.66	0.46	0.13	0.16	0.52
24	1.0	1.5	0.98	0.79	1.3	0.76	e0.80	0.60	0.46	0.11	0.14	0.49
25	1.0	1.5	0.90	0.80	1.1	0.72	e0.70	0.44	6.1	0.10	0.14	0.47
26	1.1	1.5	0.89	0.81	1.4	0.71	e1.0	0.42	5.4	0.10	0.12	0.46
27	1.7	1.4	0.89	0.81	1.6	0.72	0.86	0.41	0.79	1.8	0.12	e3.0
28	1.4	1.5	0.85	0.82	2.2	0.73	0.76	0.37	0.47	0.44	0.12	e25
29	1.8	1.4	0.87	0.89	5.1	0.70	0.72	0.37	0.35	0.84	0.14	4.7
30	1.3	1.4	0.86	0.99	---	0.77	0.73	0.36	0.31	0.42	0.17	1.5
31	1.3	---	0.79	0.92	---	1.1	---	0.56	---	0.19	0.92	---
TOTAL	30.22	45.0	46.91	25.78	78.34	37.12	36.06	18.36	32.34	11.47	9.60	72.14
MEAN	0.97	1.50	1.51	0.83	2.70	1.20	1.20	0.59	1.08	0.37	0.31	2.40
MAX	1.8	2.3	6.8	0.99	16	4.7	7.0	0.94	6.1	1.8	3.0	25
MIN	0.57	1.3	0.79	0.79	0.81	0.70	0.61	0.36	0.29	0.10	0.11	0.13
CFSM	0.27	0.42	0.43	0.23	0.76	0.34	0.34	0.17	0.30	0.10	0.09	0.68
IN.	0.32	0.47	0.49	0.27	0.82	0.39	0.38	0.19	0.34	0.12	0.10	0.76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	0.95	2.35	3.37	1.24	3.28	4.47	5.99	4.00	2.75	2.15	0.69	1.76
MAX	0.97	3.21	5.22	1.64	3.88	7.74	10.8	7.40	4.42	3.92	1.08	2.40
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	0.93	1.50	1.51	0.83	2.70	1.20	1.20	0.59	1.08	0.37	0.31	1.11
(WY)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 2002 - 2004

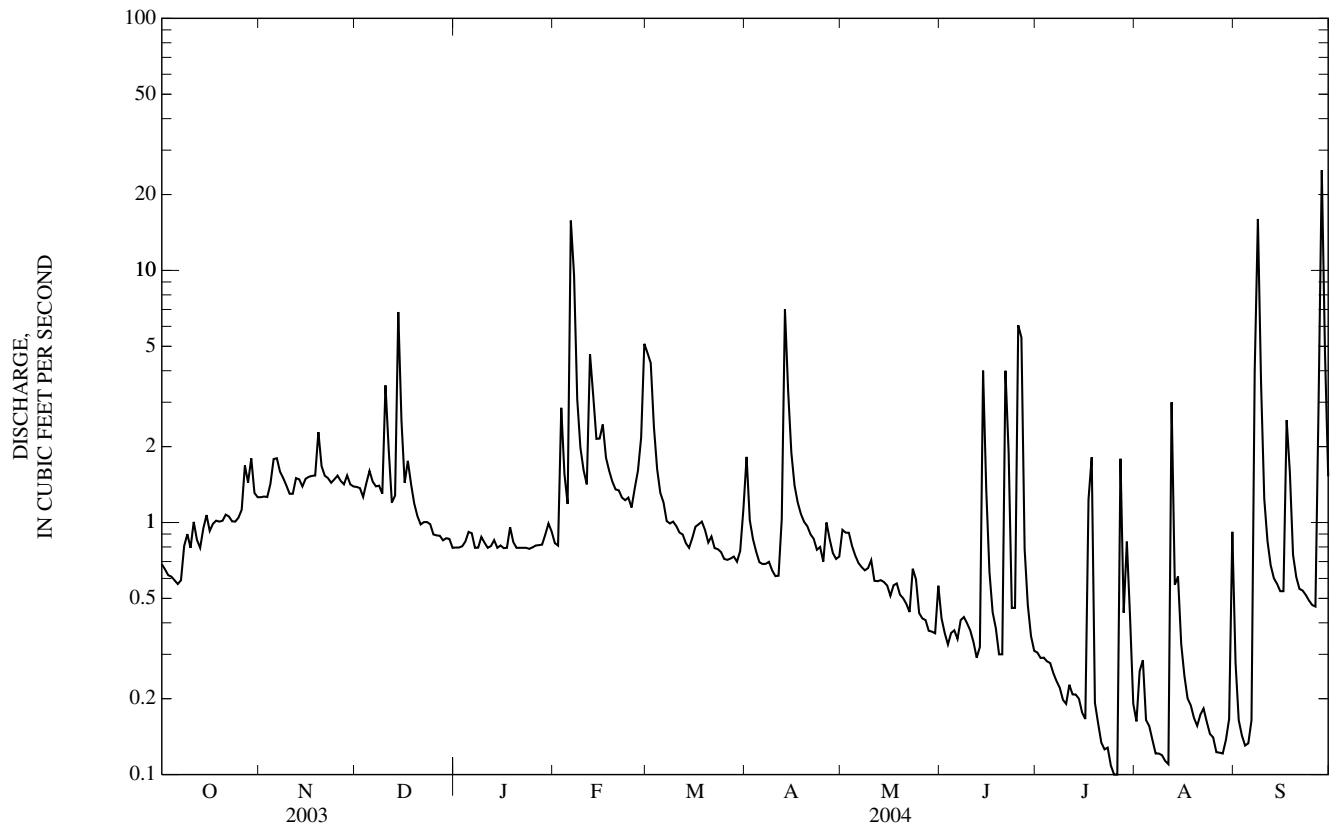
ANNUAL TOTAL	1,395.12		443.34			
ANNUAL MEAN	3.82		1.21		2.74	
HIGHEST ANNUAL MEAN					4.27	
LOWEST ANNUAL MEAN					1.21	
HIGHEST DAILY MEAN	75	May 22	25	Sep 28	75	May 22, 2003
LOWEST DAILY MEAN	0.53	Sep 17	0.10	Jul 25	0.09	Oct 1, 2002
ANNUAL SEVEN-DAY MINIMUM	0.55	Sep 15	0.12	Jul 20	0.09	Oct 1, 2002
MAXIMUM PEAK FLOW			NOT DETERMINED*		NOT DETERMINED*	
MAXIMUM PEAK STAGE			5.22	Sep 28	9.84	Jul 13, 2003
INSTANTANEOUS LOW FLOW			0.10*	Jul 24	0.08*	Oct 1, 2002
ANNUAL RUNOFF (CFSM)	1.08		0.341		0.772	
ANNUAL RUNOFF (INCHES)	14.62		4.65		10.49	
10 PERCENT EXCEEDS	7.5		1.8		4.6	
50 PERCENT EXCEEDS	1.4		0.82		1.0	
90 PERCENT EXCEEDS	0.76		0.19		0.30	

\* See REMARKS.

e Estimated.

SANTEE RIVER BASIN

0214266080 GAR CREEK NEAR CROFT, NC—Continued



0214266080 GAR CREEK NEAR CROFT, NC—Continued

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	0.96	0.73	1.0	0.62	1.1	6.3	3.0	1.3	0.86	0.76	0.58	0.14
2	0.77	0.88	0.90	0.61	1.0	3.1	2.7	1.0	2.8	0.68	0.47	0.14
3	1.0	1.6	0.83	0.65	4.0	2.3	1.9	0.93	1.2	0.61	0.42	0.13
4	0.85	5.3	0.79	0.79	2.9	1.9	1.5	0.90	0.91	0.62	0.39	0.12
5	0.65	1.6	0.71	0.63	1.7	1.7	1.4	0.89	0.76	0.59	0.35	0.13
6	0.59	0.82	0.73	0.63	1.4	1.5	1.3	0.93	1.4	0.54	0.34	0.14
7	0.54	0.68	0.88	0.70	1.3	1.5	1.3	0.88	3.7	0.63	0.33	0.16
8	0.53	0.57	0.78	0.69	1.3	3.7	3.4	0.82	2.6	0.57	0.51	0.16
9	0.53	0.53	2.6	0.63	1.2	2.3	2.7	0.80	1.2	0.50	0.56	0.16
10	0.49	0.53	35	0.65	1.2	1.8	1.6	0.86	2.1	0.45	0.40	0.16
11	0.46	0.52	5.6	0.65	1.0	1.7	1.4	1.0	1.2	0.50	0.37	0.15
12	0.46	0.96	2.5	0.63	1.0	1.5	4.2	0.82	0.86	0.58	0.34	0.15
13	0.50	1.0	1.7	0.66	1.1	1.4	10	0.82	0.77	0.46	0.34	0.14
14	0.46	0.64	1.3	11	1.2	1.4	21	0.88	0.70	0.45	0.34	0.14
15	0.46	0.61	0.95	2.7	1.2	1.3	4.3	0.92	0.61	0.45	0.31	0.14
16	0.48	0.62	0.89	1.6	1.4	5.7	2.6	0.85	0.59	0.41	0.29	0.15
17	0.52	0.59	0.83	1.2	1.9	8.2	2.1	0.78	0.49	0.40	0.26	0.16
18	0.51	0.54	0.79	1.0	1.3	3.7	1.6	0.75	0.50	0.85	0.62	0.15
19	0.60	0.54	0.78	1.0	1.2	2.4	1.6	0.73	0.56	0.50	0.37	0.14
20	0.57	0.53	0.68	0.99	1.2	2.0	1.5	1.00	0.57	0.39	0.31	0.14
21	0.55	0.53	0.69	0.93	3.0	1.8	1.4	0.84	0.51	0.36	0.28	0.13
22	0.58	0.53	0.66	0.91	2.8	1.9	1.4	0.74	0.49	0.34	0.26	0.12
23	0.47	0.59	1.9	0.84	1.8	11	1.4	0.73	0.45	0.32	0.28	0.13
24	0.58	0.92	1.2	0.78	9.0	4.1	1.2	0.68	0.42	0.29	0.29	0.12
25	0.52	1.4	0.93	0.85	3.6	2.6	1.2	0.66	0.41	0.29	0.25	0.12
26	0.46	0.80	0.84	0.90	2.2	2.1	1.2	0.65	0.46	0.28	0.24	0.14
27	0.50	0.90	0.74	0.83	1.8	2.0	1.1	0.61	8.8	0.25	0.23	0.16
28	0.59	3.9	0.70	0.79	28	e30	1.1	0.61	8.2	0.69	0.23	0.14
29	0.57	1.4	0.70	0.86	---	8.5	1.1	0.60	1.9	0.88	0.21	0.14
30	0.62	1.0	0.70	1.5	---	3.5	1.2	0.64	0.99	0.93	0.22	0.13
31	0.70	---	0.65	1.5	---	3.2	---	0.63	---	0.95	0.17	---
TOTAL	18.07	31.76	69.95	38.72	81.8	126.1	83.4	25.25	47.01	16.52	10.56	4.23
MEAN	0.58	1.06	2.26	1.25	2.92	4.07	2.78	0.81	1.57	0.53	0.34	0.14
MAX	1.0	5.3	35	11	28	30	21	1.3	8.8	0.95	0.62	0.16
MIN	0.46	0.52	0.65	0.61	1.0	1.3	1.1	0.60	0.41	0.25	0.17	0.12
CFSM	0.16	0.30	0.64	0.35	0.82	1.15	0.78	0.23	0.44	0.15	0.10	0.04
IN.	0.19	0.33	0.73	0.41	0.86	1.32	0.87	0.26	0.49	0.17	0.11	0.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	0.83	1.92	3.00	1.24	3.16	4.33	4.92	2.94	2.36	1.61	0.58	1.22
MAX	0.97	3.21	5.22	1.64	3.88	7.74	10.8	7.40	4.42	3.92	1.08	2.40
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)
MIN	0.58	1.06	1.51	0.83	2.70	1.20	1.20	0.59	1.08	0.37	0.31	0.14
(WY)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2002 - 2005

ANNUAL TOTAL	440.99	553.37	2.33
ANNUAL MEAN	1.20	1.52	4.27
HIGHEST ANNUAL MEAN			2003
LOWEST ANNUAL MEAN			2004
HIGHEST DAILY MEAN	35	Dec 10	75
LOWEST DAILY MEAN	0.10	Jul 25	0.09
ANNUAL SEVEN-DAY MINIMUM	0.12	Jul 20	0.09
MAXIMUM PEAK FLOW			NOT DETERMINED*
MAXIMUM PEAK STAGE			9.84
INSTANTANEOUS LOW FLOW			0.10*
ANNUAL RUNOFF (CFSM)	0.339	0.427	0.657
ANNUAL RUNOFF (INCHES)	4.62	5.80	8.93
10 PERCENT EXCEEDS	1.9	2.7	3.9
50 PERCENT EXCEEDS	0.72	0.78	0.93
90 PERCENT EXCEEDS	0.19	0.25	0.28

\* See REMARKS.

e Estimated.

