

021973008 MCQUEEN BRANCH AT ROAD F AT SAVANNAH RIVER SITE, SC

LOCATION.--Lat 33°17'45'', long 81°37'53'', Aiken County, Hydrologic Unit 03060106, at right bank, 75 ft north of Road F, at Savannah River Site.

DRAINAGE AREA.--0.82 mi².

PERIOD OF RECORD.--December 1990 to September 1997, October 1998 to September 2000.

GAGE.--Data collection platform. Datum of gage is 199.50 ft above sea level (from Global Positioning System and Department of Energy Benchmark).

REMARKS.--Records poor. Flow regulated by Savannah River Site operations.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	.66	.73	.15	.68	.16	.17
2	---	---	---	---	---	---	.54	.45	.14	.67	.21	.17
3	---	---	---	---	---	---	.52	.38	.17	.46	.25	.19
4	---	---	---	---	---	---	.51	.39	.18	.43	.27	.19
5	---	---	---	---	---	---	.49	.41	.11	.45	.27	.20
6	---	---	---	---	---	e.45	.50	.82	.09	e2.0	.26	.20
7	---	---	---	---	---	.43	.50	.68	.11	e3.3	.22	.26
8	---	---	---	---	---	.53	.50	.51	.17	1.6	.20	.22
9	---	---	---	---	---	.91	.51	.46	.16	.48	.23	.38
10	---	---	---	---	---	.74	.44	.42	.12	.41	.21	.17
11	---	---	---	---	---	.71	.41	.36	.12	e6.3	.21	.12
12	---	---	---	---	---	.72	.37	.42	.12	e4.8	.22	.11
13	---	---	---	---	---	.72	.40	.47	.11	e4.7	.18	.11
14	---	---	---	---	---	e2.5	.37	.41	.12	1.1	.27	.11
15	---	---	---	---	---	.67	.58	.37	.12	.64	.11	.20
16	---	---	---	---	---	.46	.41	.37	e9.5	.64	.12	.26
17	---	---	---	---	---	.49	.40	.33	1.5	1.1	.13	.34
18	---	---	---	---	---	.52	.43	.33	.36	.88	.13	.33
19	---	---	---	---	---	.40	.46	.32	.21	.64	.14	.35
20	---	---	---	---	---	.37	.48	.26	.22	.61	e1.3	e3.8
21	---	---	---	---	---	.55	.45	.25	.27	.43	.21	e1.9
22	---	---	---	---	---	.40	.39	.26	.24	e2.5	.17	.48
23	---	---	---	---	---	.37	.38	.33	.24	.24	.19	.20
24	---	---	---	---	---	.41	.39	.40	.19	.18	.16	.02
25	---	---	---	---	---	e1.8	.40	.22	.25	.17	.18	.02
26	---	---	---	---	---	1.8	.40	.20	.38	.15	.16	.72
27	---	---	---	---	---	.61	.37	.20	.30	.16	.15	1.2
28	---	---	---	---	---	.59	.51	.17	e1.4	.16	.16	e3.0
29	---	---	---	---	---	.56	.42	.16	e5.5	.16	.16	.45
30	---	---	---	---	---	.47	e2.9	.15	1.6	.18	.16	.41
31	---	---	---	---	---	.52	---	.15	---	.17	.16	---
TOTAL	---	---	---	---	---	18.70	16.09	11.38	24.15	36.39	6.95	16.28
MEAN	---	---	---	---	---	.72	.54	.37	.81	1.17	.22	.54
MAX	---	---	---	---	---	2.5	2.9	.82	9.5	6.3	1.3	3.8
MIN	---	---	---	---	---	.37	.37	.15	.09	.15	.11	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 1999, BY WATER YEAR (WY)

MEAN	1.34	1.24	1.26	2.03	2.00	2.01	1.25	.76	.89	1.29	1.12	.93
MAX	3.00	2.11	1.98	4.21	5.02	3.39	1.89	1.41	1.55	3.12	3.17	1.50
(WY)	1995	1993	1995	1993	1995	1993	1993	1991	1995	1991	1991	1991
MIN	.86	.70	.67	.83	.88	.73	.54	.37	.56	.69	.22	.54
(WY)	1994	1995	1997	1997	1996	1997	1999	1999	1996	1994	1999	1999

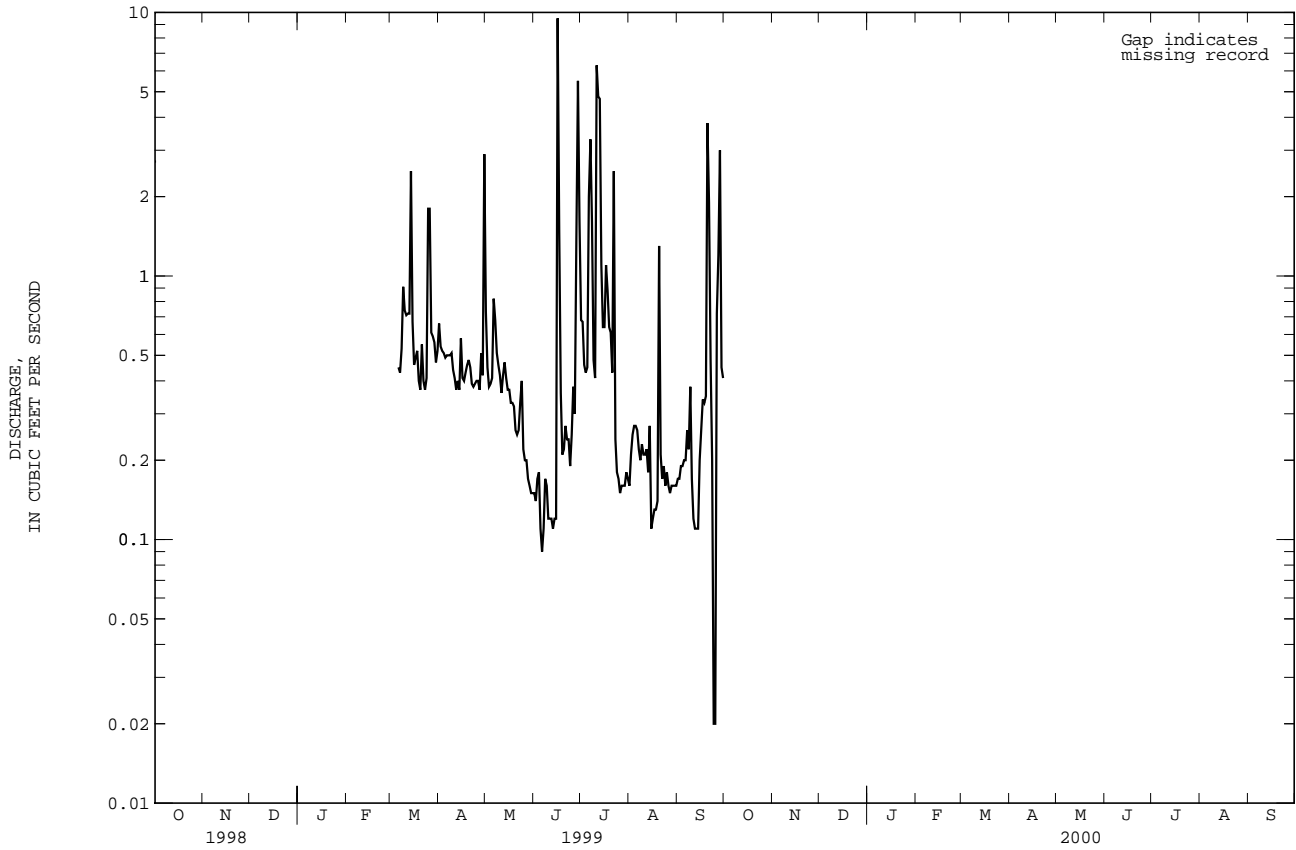
SAVANNAH RIVER BASIN

021973008 MCQUEEN BRANCH AT ROAD F AT SAVANNAH RIVER SITE, SC--Continued

SUMMARY STATISTICS	FOR 1999 WATER YEAR	WATER YEARS 1991 - 1999
ANNUAL MEAN		1.29
HIGHEST ANNUAL MEAN		1.92 1995
LOWEST ANNUAL MEAN		.87 1997
HIGHEST DAILY MEAN	e 9.5 Jun 16	e 50 Jan 8 1993
LOWEST DAILY MEAN	.02 a Sep 24	.02 a Sep 24 1999
ANNUAL SEVEN-DAY MINIMUM	.12 Jun 9	.11 Aug 2 1994
INSTANTANEOUS PEAK FLOW	Unknown Jun 16	Unknown Jul 23 1992
INSTANTANEOUS PEAK STAGE	4.95 Jun 16	6.06 Jul 23 1992
10 PERCENT EXCEEDS	1.2	2.3
50 PERCENT EXCEEDS	.37	.88
90 PERCENT EXCEEDS	.14	.39

a Also occurred Sep. 25.

e Estimated



Gap indicates missing record

SAVANNAH RIVER BASIN

021973008 MCQUEEN BRANCH AT ROAD F AT SAVANNAH RIVER SITE, SC--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.36	.25	.46	.40	.83	.41	.43	.39	.21	.29	5.7	.22
2	.35	.40	.47	.39	.72	.42	.43	.36	.19	.27	1.4	.22
3	.32	e.40	.46	.39	.68	.39	.43	.25	.21	.21	.43	.22
4	3.7	e.40	.48	.54	.66	.72	.43	.24	.20	.20	.30	.23
5	.70	e.41	.45	.46	.63	.48	.40	.23	.19	.18	.25	.24
6	.46	e.42	.79	.43	.72	.45	.39	.24	.18	.18	.21	.24
7	.40	e.45	.48	.45	.67	.44	.37	.26	.14	.21	.20	.24
8	.37	e.50	.47	.42	.64	.44	.40	.25	.14	.20	.18	.22
9	.37	e.47	.45	.43	.65	.35	.38	.19	.13	.15	.51	.22
10	.33	e.48	.44	6.7	.63	.28	.37	.36	.13	.15	.20	.21
11	.33	e.52	.43	.72	.67	.37	.39	.72	.13	.19	.16	.19
12	3.0	e.61	.43	.55	.67	.54	.39	.67	.13	.19	.14	.18
13	1.1	e.58	.44	.51	.65	.39	.39	e.60	.13	.22	.14	.17
14	.43	e.41	.55	.46	2.2	.37	.45	e.55	.15	.22	.12	.16
15	.37	e.37	.45	.49	.52	.37	1.9	e.48	.15	.20	.12	.16
16	.35	.34	.43	.48	.42	2.2	.54	e.35	.16	.19	.12	.16
17	.34	.37	.44	.45	.39	.81	.47	e.33	.13	.18	.12	.16
18	.31	.35	.44	.44	.39	.51	.45	e.30	.48	.18	1.1	.50
19	.30	.36	.76	.47	.39	.51	.40	e.28	1.9	.15	.29	.20
20	.35	.35	.51	.63	.38	e12	.40	e.25	1.5	.14	.14	4.6
21	.34	.35	.63	.52	.39	1.1	.38	e.32	1.3	.13	.14	.71
22	.33	.35	.52	.49	.41	.88	.35	e.35	e7.0	.12	.57	e22
23	.28	.35	.48	5.5	.40	.73	.37	e.37	.64	2.1	.72	e10
24	.29	.39	.46	12	.39	.62	.42	e.40	.20	.45	.14	e2.3
25	.27	.39	.46	1.9	.39	.57	.44	e.42	.18	.24	2.0	e1.7
26	.24	1.6	.49	.63	.39	.51	.43	e4.8	.15	.20	.28	1.3
27	.24	.52	.51	.51	.47	.63	.40	.92	.16	.13	.26	.56
28	.21	.47	.53	.46	.43	.54	.53	.33	.13	.14	.24	.46
29	.20	.46	.50	2.3	.40	.48	.39	.24	4.3	.15	.22	.42
30	.20	.43	.45	4.7	---	.67	.42	.22	.89	.12	.22	.37
31	.23	---	.43	1.1	---	.51	---	.21	---	e.12	.22	---
TOTAL	17.07	13.75	15.29	45.92	17.18	29.69	13.94	15.88	21.53	7.80	16.84	48.56
MEAN	.55	.46	.49	1.48	.59	.96	.46	.51	.72	.25	.54	1.62
MAX	3.7	1.6	.79	.12	2.2	.12	1.9	4.8	7.0	2.1	5.7	.22
MIN	.20	.25	.43	.39	.38	.28	.35	.19	.13	.12	.12	.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000		
MEAN	1.23	1.12	1.15	1.96	1.82	1.88	1.16	.73	.87	1.17	1.05	1.00
MAX	3.00	2.11	1.98	4.21	5.02	3.39	1.89	1.41	1.55	3.12	3.17	1.62
(WY)	1995	1993	1995	1993	1995	1993	1993	1991	1995	1991	1991	2000
MIN	.55	.46	.49	.83	.59	.73	.46	.37	.56	.25	.22	.54
(WY)	2000	2000	2000	1997	2000	1997	2000	1999	1996	2000	1999	1999

SAVANNAH RIVER BASIN

021973008 MCQUEEN BRANCH AT ROAD F AT SAVANNAH RIVER SITE, SC--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1991 - 2000	
ANNUAL TOTAL		263.45		
ANNUAL MEAN		.72	1.21	
HIGHEST ANNUAL MEAN			1.92	1995
LOWEST ANNUAL MEAN			.72	2000
HIGHEST DAILY MEAN	e 9.5 Jun 16	e 22 Sep 22	e 50	Jan 8 1993
LOWEST DAILY MEAN	.02 a Sep 24	.12 b Jul 22	.02	c Sep 24 1999
ANNUAL SEVEN-DAY MINIMUM	.12 Jun 9	.13 Aug 11	.11	Aug 2 1994
INSTANTANEOUS PEAK FLOW		Unknown Sep 23	Unknown	Sep 23 2000
INSTANTANEOUS PEAK STAGE		9.55 Sep 23	9.55	Sep 23 2000
10 PERCENT EXCEEDS	.81	.84	2.2	
50 PERCENT EXCEEDS	.40	.40	.82	
90 PERCENT EXCEEDS	.16	.16	.32	

a Also occurred Sep. 25.
 b Also occurred Jul. 22, 30, 31, Aug. 14-17.
 c Also occurred Sep. 25, 1999.

e Estimated

