

SAVANNAH RIVER BASIN

507

02192830 BLUE HILL CREEK AT ABBEVILLE, SC

LOCATION.--Lat 34°10'03'', long 82°22'17'', Abbeville County, Hydrologic Unit 03060103, on downstream side of footbridge behind the Milliken waste water treatment facility, 0.3 mi downstream of SC Highway 72, and 1.4 mi upstream of Parker Creek.

DRAINAGE AREA.--3.24 mi².

PERIOD OF DAILY RECORD.-- February 1998 to current year.

GAGE.--Data collection platform. Datum of gage is 475 ft above sea level (from topographic map).

REMARKS.--Records fair except for estimated daily discharges, which are poor.

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	.97	1.2	1.1	1.2	2.2	1.7	2.3	1.6	.70	.46	12	1.4
2	.92	1.6	1.1	1.0	1.8	1.8	2.9	2.0	.70	.38	4.6	1.5
3	.86	1.0	1.1	1.1	1.8	1.7	2.7	1.7	.65	e.34	3.2	1.6
4	2.3	1.1	1.2	1.6	1.7	5.9	2.3	1.9	.69	e.32	e28	1.3
5	.99	.98	1.1	1.1	1.5	2.3	2.1	1.6	.81	e.32	6.1	1.1
6	.91	1.2	1.2	.97	1.4	2.0	2.1	1.5	e.77	e.35	2.5	1.8
7	.92	1.1	1.1	.97	1.5	2.1	2.1	1.5	e.70	e.83	1.8	1.2
8	.90	1.3	1.1	.97	1.5	2.0	2.2	1.4	e.66	.54	1.5	1.1
9	.99	1.1	1.1	3.4	1.4	1.8	2.1	1.3	.63	e.41	1.4	1.3
10	1.6	1.0	1.3	21	1.4	3.0	2.1	1.3	.61	e.39	1.5	.95
11	1.1	1.2	1.2	1.8	1.5	5.3	2.2	1.4	.60	e.41	1.3	1.0
12	2.3	1.1	1.1	1.5	1.8	2.7	2.3	1.4	.55	e.88	1.2	1.1
13	1.4	1.1	1.6	1.4	2.0	2.1	2.3	1.3	.60	.83	1.1	1.2
14	1.1	1.0	1.7	1.4	27	2.0	3.1	1.2	.58	2.5	1.1	1.4
15	1.0	1.1	1.2	1.4	2.7	1.9	2.5	1.1	.58	.74	1.1	1.1
16	.96	1.1	1.1	1.4	2.2	3.5	2.4	1.1	.62	.50	1.1	.93
17	.91	1.1	1.1	1.5	2.1	2.4	2.2	1.1	.57	e.38	1.1	.82
18	1.0	1.1	1.1	1.7	2.1	2.0	2.1	1.1	.55	e.38	1.0	1.1
19	1.0	1.2	1.1	1.9	2.1	1.9	2.2	e.99	.49	e.37	1.0	1.1
20	2.0	1.2	1.1	2.5	2.0	e40	2.0	e.96	.54	e.36	.93	.95
21	1.2	1.1	4.3	1.7	2.0	4.0	2.0	e.95	.59	e.32	1.4	1.3
22	1.1	1.2	1.4	1.8	2.0	3.1	2.1	e2.1	.65	e.40	1.1	e22
23	.96	1.2	1.2	7.4	1.9	2.8	2.1	e1.0	.63	.85	1.3	e23
24	.99	1.2	1.1	11	1.8	2.7	2.3	.95	.40	e1.6	1.6	1.6
25	1.1	2.1	1.1	4.1	1.8	2.8	2.3	3.1	.39	e17	1.2	3.4
26	.92	3.3	1.1	2.3	1.8	2.5	2.0	1.1	.45	.95	1.0	1.5
27	.90	1.2	1.1	1.9	2.7	2.6	2.0	.82	.74	.71	.94	.96
28	.92	1.1	1.0	1.8	1.8	2.5	2.1	.88	.45	.88	1.0	.90
29	1.0	1.3	1.0	3.3	1.7	2.4	2.0	.70	2.4	.62	.97	.86
30	1.0	1.1	1.0	7.1	---	2.7	1.7	.72	.55	.44	1.1	.96
31	.90	---	1.1	3.1	---	2.4	---	.72	---	12	3.8	---
TOTAL	35.12	37.58	39.1	95.31	79.2	118.6	66.8	40.49	19.85	47.46	88.94	80.43
MEAN	1.13	1.25	1.26	3.07	2.73	3.83	2.23	1.31	.66	1.53	2.87	2.68
MAX	2.3	3.3	4.3	.21	.27	.40	3.1	3.1	2.4	17	28	23
MIN	.86	.98	1.0	.97	1.4	1.7	1.7	.70	.39	.32	.93	.82
CFSM	.35	.39	.39	.95	.84	1.18	.69	.40	.20	.47	.89	.83
IN.	.40	.43	.45	1.09	.91	1.36	.77	.46	.23	.54	1.02	.92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2000, BY WATER YEAR (WY)

	1998	1999	2000	2000	2000	1999	2000	2000	2000	2000	1999	2000
MEAN	1.30	1.71	1.70	3.33	3.68	4.59	4.79	3.16	2.36	1.90	1.79	2.10
MAX	1.46	2.17	2.13	3.59	4.67	7.43	9.79	5.99	3.34	2.35	2.87	2.68
(WY)	1999	1999	1999	1999	1999	1998	1998	1998	1998	1999	2000	2000
MIN	1.13	1.25	1.26	3.07	2.73	2.53	2.23	1.31	.66	1.53	1.01	1.48
(WY)	2000	2000	2000	2000	2000	1999	2000	2000	2000	2000	1999	1999

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SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1998 - 2000	
ANNUAL TOTAL	811.39		748.88			
ANNUAL MEAN	2.22		2.05		2.22	
HIGHEST ANNUAL MEAN					2.40 1999	
LOWEST ANNUAL MEAN					2.05 2000	
HIGHEST DAILY MEAN	40	Feb 1	40	Mar 20	82	Mar 8 1998
LOWEST DAILY MEAN	.61	Sep 3	.32 a	Jul 4	.32	Jul 4 2000
ANNUAL SEVEN-DAY MINIMUM	.64	Sep 2	.39	Jul 16	.39	Jul 16 2000
INSTANTANEOUS PEAK FLOW			Unknown	Jul 25	Unknown	Jul 25 2000
INSTANTANEOUS PEAK STAGE			8.58	Jul 25	8.58	Jul 25 2000
ANNUAL RUNOFF (CFSM)	.69		.63		.69	
ANNUAL RUNOFF (INCHES)	9.32		8.60		9.32	
10 PERCENT EXCEEDS	3.1		2.7		4.6	
50 PERCENT EXCEEDS	1.7		1.2		1.8	
90 PERCENT EXCEEDS	.91		.63		.90	

a Also occurred Jul. 5, 21.

e Estimated

