

SANTEE RIVER BASIN

02153051 GASTON SHOALS RESERVOIR ABOVE BLACKSBURG, SC

LOCATION.--Lat 35°08'15'', long 81°35'53'', Cherokee County, Hydrologic Unit 03050105, attached to the rail on the face of the dam, approximately 100 ft left of the stairs, 5.0 mi northwest of Blacksburg and 5.0 mi northeast of Gaffney.

DRAINAGE AREA.--1,280 mi², approximately.

PERIOD OF RECORD.--October 1997 to September 1999.

GAGE.--Data collection platform. Elevation of gage is 600 ft above sea level (from topographic map).

REMARKS.--Lake is formed by concrete dam with earth embankments at each end; dam completed 1908. Lake capacity is unknown.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 102.45 ft Jan. 9, 1998; minimum elevation since normal reservoir levels were first reached, 90.42 ft, Oct. 18, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 101.57 ft, Mar. 20, 21; minimum elevation, 90.42 ft, Oct. 18.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99.45	99.35	100.06	99.90	99.95	99.97	96.23	97.70	99.52	99.13	99.61	98.78
2	99.84	100.03	99.28	98.98	99.78	99.93	95.99	97.45	99.27	98.52	99.01	98.53
3	98.84	99.55	100.00	99.54	99.91	99.94	97.62	99.83	99.86	98.49	98.29	99.67
4	98.61	99.01	100.09	100.00	99.49	99.88	97.21	99.64	99.42	98.92	98.67	98.50
5	100.06	100.01	99.59	99.93	99.90	99.52	96.76	99.87	99.52	99.48	99.61	99.78
6	99.85	99.76	99.69	99.74	98.96	99.28	96.70	99.49	99.93	99.06	99.46	98.74
7	99.52	99.89	99.90	99.99	97.02	99.76	96.43	99.56	99.04	98.28	98.73	98.64
8	99.22	99.48	99.83	99.62	99.77	99.50	96.81	99.20	98.85	99.16	98.04	99.20
9	99.99	99.97	99.86	99.31	99.98	99.95	96.68	99.41	98.86	99.57	98.90	99.51
10	100.12	99.99	100.02	100.67	99.97	99.43	96.33	99.75	99.23	98.38	98.86	99.05
11	99.01	99.90	99.96	99.87	99.85	100.01	96.92	99.91	99.21	98.63	98.65	99.04
12	96.81	99.52	99.32	99.80	99.86	99.97	96.63	99.43	98.43	99.10	99.26	98.92
13	97.78	100.10	99.48	99.30	100.06	99.42	96.85	100.05	98.80	99.44	98.92	96.07
14	97.03	99.29	99.97	99.63	100.09	99.74	97.08	99.77	98.87	98.96	98.56	98.08
15	97.84	99.22	100.20	99.72	99.65	99.99	97.41	99.93	98.75	99.31	99.19	98.78
16	98.24	99.75	99.61	99.23	99.72	100.13	98.72	99.93	99.20	98.44	98.50	99.15
17	96.55	99.17	99.80	99.07	100.02	100.08	97.30	99.77	99.39	98.57	98.91	98.77
18	96.67	99.47	99.68	99.88	99.46	99.93	95.24	99.92	99.18	98.76	98.92	98.26
19	99.02	99.61	99.48	99.71	100.09	99.98	97.24	99.52	99.21	98.56	98.75	98.99
20	99.80	100.00	99.72	99.54	98.56	101.56	97.19	99.70	99.49	98.66	99.69	98.91
21	99.82	99.67	99.80	99.80	100.01	98.64	96.93	98.98	98.93	98.74	99.06	99.38
22	99.37	99.02	99.59	99.70	99.85	97.49	96.99	99.20	99.17	99.26	99.13	99.69
23	100.03	99.74	99.60	99.10	99.64	96.62	96.05	99.83	99.30	99.53	98.95	99.90
24	98.95	99.97	99.39	99.34	99.55	96.52	96.18	99.89	99.50	99.44	98.90	99.40
25	98.70	99.67	99.44	100.10	99.83	96.43	96.55	100.03	98.86	98.72	99.01	98.43
26	98.54	100.26	99.24	99.19	99.48	96.23	91.69	99.86	98.49	98.49	99.08	98.40
27	99.34	99.72	99.71	99.58	99.84	96.87	96.04	99.50	98.47	96.03	98.35	98.42
28	99.72	99.66	99.70	99.71	99.61	96.57	96.08	99.04	98.25	98.44	98.54	98.96
29	99.83	98.10	99.91	98.87	100.02	96.47	96.68	99.86	99.36	99.79	98.74	99.01
30	100.02	98.23	100.07	99.38	---	96.48	95.75	99.81	99.80	98.31	98.93	99.65
31	99.60	---	99.42	99.68	---	96.21	---	99.59	---	99.87	98.67	---
MEAN	98.97	99.57	99.72	99.61	99.65	98.79	96.54	99.53	99.14	98.84	98.90	98.89
MAX	100.12	100.26	100.20	100.67	100.09	101.56	98.72	100.05	99.93	99.87	99.69	99.90
MIN	96.55	98.10	99.24	98.87	97.02	96.21	91.69	97.45	98.25	96.03	98.04	96.07