

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 current year.

GAGE.--Data collection platform. Datum of gage is 505.20 ft above NGVD of 1929 (from Duke Power Company).

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, 103.17 ft Mar. 20, 2003; minimum elevation since normal reservoir levels were first reached, 90.42 ft, Oct. 18, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 103.17 ft, Mar. 20; minimum elevation, 91.03 ft, Sep. 10.

Gage height, feet WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003 DAILY OBSERVATION AT 2400 HOURS												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98.75	100.00	99.31	98.74	99.73	97.96	95.79	95.60	95.67	95.84	96.48	95.44
2	99.67	99.34	99.42	98.31	99.21	97.68	95.44	95.89	95.57	99.82	95.89	95.71
3	97.56	99.49	99.19	97.90	99.43	97.56	95.45	96.22	96.43	96.53	95.92	95.69
4	98.46	98.45	99.29	97.94	99.65	97.46	95.80	95.94	96.28	96.42	97.13	95.81
5	98.98	99.25	100.38	97.36	99.47	97.65	95.67	95.90	95.92	96.05	97.49	95.58
6	98.29	99.82	99.82	97.33	99.57	99.21	95.42	98.88	95.67	96.08	96.14	95.35
7	96.21	98.97	99.35	97.99	99.17	98.15	97.73	98.92	98.27	96.17	97.80	95.23
8	95.94	99.92	99.55	97.74	99.98	97.53	96.97	97.36	98.68	96.13	96.62	95.20
9	97.50	99.95	97.74	97.97	99.56	97.71	97.17	96.76	97.46	95.91	96.23	95.62
10	99.83	99.11	97.55	97.96	99.95	97.54	101.58	96.41	96.66	95.94	96.17	95.53
11	99.85	99.45	100.08	97.54	99.93	97.67	99.39	96.17	96.21	95.96	96.31	95.49
12	99.17	100.25	99.97	97.28	99.75	97.52	97.19	95.91	95.90	95.85	96.76	95.28
13	98.05	100.13	100.77	97.37	99.65	97.17	96.74	95.93	95.91	98.70	95.96	95.21
14	97.98	99.04	100.46	97.92	99.15	97.47	96.43	96.08	95.77	96.31	95.89	95.10
15	99.58	99.01	99.83	99.41	99.69	97.74	96.17	96.16	95.70	95.97	95.87	95.24
16	100.10	100.32	98.75	98.00	99.92	97.96	96.17	96.22	96.27	96.27	97.29	95.82
17	98.38	100.51	98.39	99.57	99.31	97.63	96.14	96.21	96.51	95.87	96.24	94.69
18	97.97	99.80	98.44	99.81	99.68	99.28	100.87	96.21	95.93	95.95	95.77	95.86
19	97.02	98.59	98.45	99.19	99.19	98.99	97.45	96.21	96.39	96.17	95.72	95.57
20	96.62	98.07	100.23	99.17	99.16	102.19	96.62	95.94	95.97	95.89	95.79	95.38
21	97.01	100.14	100.00	99.11	99.25	97.74	96.35	95.95	95.66	95.59	95.84	95.28
22	97.63	99.48	99.52	99.71	101.52	96.49	96.56	101.84	95.75	95.67	95.85	95.57
23	97.46	98.80	98.78	98.84	99.96	96.35	96.23	97.73	95.45	96.01	95.83	96.54
24	99.56	99.90	101.38	100.06	98.68	96.14	96.19	97.78	94.34	95.75	95.62	96.18
25	99.52	99.77	100.18	100.08	98.47	96.08	96.21	96.49	95.37	95.52	95.71	96.10
26	99.56	100.20	98.70	100.12	97.96	96.10	96.37	96.48	95.21	95.55	95.54	96.72
27	99.12	99.34	99.10	99.78	98.10	96.02	96.13	96.05	95.91	95.15	95.46	96.58
28	99.37	99.30	98.49	99.08	98.22	95.96	96.07	95.98	95.66	95.37	95.71	96.79
29	99.66	99.50	98.40	99.83	---	95.76	95.95	95.92	95.50	95.38	95.69	96.17
30	99.17	99.54	97.87	99.55	---	96.10	95.92	95.81	95.58	95.98	95.68	97.66
31	99.72	---	98.05	99.17	---	96.06	---	95.74	---	99.25	95.46	---
MEAN	98.51	99.51	99.27	98.70	99.40	97.45	96.74	96.60	96.05	96.23	96.12	95.75
MAX	100.10	100.51	101.38	100.12	101.52	102.19	101.58	101.84	98.68	99.82	97.80	97.66
MIN	95.94	98.07	97.55	97.28	97.96	95.76	95.42	95.60	94.34	95.15	95.46	94.69