

## 02153550 NINETYNINE ISLAND RESERVOIR BELOW CHEROKEE FALLS, SC

LOCATION.--Lat 35°01'54'', long 81°29'37'', Cherokee County, Hydrologic Unit 03050105, attached to the rail on the face of the dam directly in front of the stairs, 5.0 mi southwest of Blacksburg and 5.0 mi east of Gaffney.

DRAINAGE AREA.--1,550 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1998 to current year.

GAGE.--Data collection platform. Datum of gage is 411.46 ft above NGVD of 1929 (from Duke Power Company benchmark).

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

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 107.29 ft Sep. 8, 2004; minimum elevation, 96.73 ft, Feb. 14, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 105.48 ft, Dec. 10; minimum elevation, 96.73 ft, Feb. 14.

Gage height, feet												
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005												
DAILY OBSERVATION AT 2400 HOURS												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100.11	99.26	99.84	99.62	99.26	101.37	101.15	100.57	100.68	100.63	100.62	99.96
2	100.01	98.45	99.82	99.03	99.17	100.95	101.11	100.37	100.91	100.60	100.46	100.05
3	99.59	99.52	99.85	99.02	99.45	100.70	100.89	100.48	100.69	100.51	100.32	99.19
4	99.09	102.60	99.60	99.57	99.48	100.66	100.78	100.41	100.56	101.01	100.28	99.37
5	98.77	101.03	98.86	99.76	99.30	100.68	100.90	100.34	100.15	100.74	100.01	98.95
6	98.73	100.48	99.21	99.80	98.80	100.49	100.81	100.41	100.03	100.86	100.29	100.02
7	99.77	99.85	100.14	99.44	98.52	100.41	100.78	100.32	100.55	104.22	100.11	100.56
8	99.21	100.00	99.83	99.68	99.48	100.82	100.92	100.00	100.49	103.11	100.59	100.31
9	99.24	100.26	100.42	99.11	97.96	100.60	100.90	100.25	100.77	101.39	100.99	100.30
10	99.33	99.83	103.48	98.95	99.53	100.46	100.89	100.93	100.64	101.00	100.71	100.43
11	98.66	100.06	101.38	99.72	99.09	100.65	100.61	100.34	100.64	100.84	100.62	99.93
12	98.79	100.48	100.59	99.20	98.85	100.49	100.92	100.31	100.58	101.00	100.47	99.29
13	98.87	100.80	100.36	99.59	99.41	100.45	101.35	100.11	100.73	101.19	100.31	99.51
14	99.05	100.28	100.20	101.21	99.49	100.06	101.62	100.41	100.69	101.08	100.41	100.19
15	99.13	100.09	99.99	100.34	99.93	100.58	101.28	100.15	100.60	101.61	100.01	99.44
16	99.37	99.61	100.18	99.92	100.48	100.60	100.98	100.14	100.44	100.96	99.58	98.90
17	98.61	99.61	99.96	99.29	100.52	100.67	100.85	100.22	100.33	100.80	100.32	99.58
18	98.93	99.52	99.85	99.36	100.51	100.57	100.85	100.15	100.34	100.78	100.48	98.49
19	98.92	100.02	99.65	99.37	100.50	100.28	100.78	100.21	100.26	100.67	100.48	98.57
20	99.06	99.92	99.20	99.50	100.05	100.35	101.20	100.54	100.49	100.62	100.31	100.02
21	98.95	99.87	99.84	99.48	100.57	99.97	100.55	100.33	100.46	100.57	99.28	99.49
22	99.36	99.32	99.59	99.60	100.74	100.43	100.63	100.08	100.27	100.49	99.05	98.63
23	99.92	99.91	100.83	99.06	100.60	100.97	100.56	99.98	100.18	100.54	100.72	99.35
24	98.84	100.13	100.82	99.32	100.67	100.81	100.62	100.34	100.16	100.40	100.28	99.44
25	99.48	100.53	100.45	99.48	100.60	100.72	100.55	100.27	100.20	100.21	99.09	99.33
26	99.05	100.20	100.06	98.66	100.51	100.61	100.68	99.98	99.89	100.36	100.22	99.10
27	99.18	100.09	99.84	99.35	100.55	100.68	100.99	100.24	99.98	100.29	100.23	99.88
28	99.48	100.20	100.01	99.35	101.89	104.20	100.26	100.20	101.21	100.25	100.28	99.09
29	99.40	99.86	99.87	99.28	---	102.07	100.49	99.64	100.85	100.59	100.39	99.05
30	99.45	99.74	99.70	99.31	---	101.48	100.52	99.50	100.78	100.03	100.22	99.93
31	98.82	---	99.65	99.07	---	101.28	---	100.18	---	100.65	100.29	---
MEAN	99.20	100.05	100.10	99.47	99.85	100.81	100.85	100.24	100.48	100.90	100.24	99.55
MAX	100.11	102.60	103.48	101.21	101.89	104.20	101.62	100.93	101.21	104.22	100.99	100.56
MIN	98.61	98.45	98.86	98.66	97.96	99.97	100.26	99.50	99.89	100.03	99.05	98.49