Water-Data Report 2013

02153550 NINETYNINE ISLAND RESERVOIR BELOW CHEROKEE FALLS, SC

Santee Basin
Upper Broad Subbasin

LOCATION.--Lat 35°01′54″, long 81°29′37″ referenced to North American Datum of 1927, Cherokee County, SC, 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^2.

SURFACE-WATER RECORDS

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, 95.26 ft, May 30, 2013.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 106.12 ft, May 6; minimum elevation, 95.26 ft, May 30.

Suggested citation: U.S. Geological Survey, 2014, Water-resources data for the United States, Water Year 2013: U.S. Geological Survey Water-Data Report WDR-US-2013, site 02153550, accessed at http://wdr.water.usgs.gov/wy2013/pdfs/02153550.2013.pdf

02153550 NINETYNINE ISLAND RESERVOIR BELOW CHEROKEE FALLS, SC—Continued

ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		October			November			December			January	
1	99.56	99.45	99.50	99.90	99.27	99.58	99.37	98.61	99.00	99.73	99.49	99.60
2	99.76	99.34	99.55	99.59	99.38	99.47	99.72	99.37	99.53	99.56	97.55	98.94
3	99.75	99.37	99.60	99.60	99.38	99.48	99.54	99.14	99.38	99.79	97.68	98.63
4	99.74	99.32	99.50	99.68	99.38	99.53	99.15	98.67	98.88	99.81	97.88	99.21
5	99.72	99.39	99.56	99.59	98.61	99.17	99.72	98.87	99.42	99.74	98.86	99.13
6	99.68	99.22	99.46	98.83	97.63	98.18	99.52	98.97	99.34	99.68	98.78	99.15
7	99.73	98.24	99.19	99.69	98.83	99.42	99.10	98.26	98.68	99.72	98.62	98.97
8	99.75	99.37	99.59	99.69	99.25	99.48	99.05	98.18	98.71	99.78	99.39	99.59
9	99.70	99.41	99.54	99.71	99.32	99.53	99.72	98.87	99.42	99.75	99.24	99.55
10	99.65	98.37	99.12	99.60	99.32	99.49	99.69	98.22	99.23	99.55	98.71	99.17
11	99.63	99.44	99.53	99.58	99.31	99.46	98.93	97.94	98.60	99.71	99.14	99.39
12	99.69	99.39	99.47	99.70	99.33	99.49	98.61	97.88	98.25	99.74	99.27	99.49
13	99.70	99.35	99.51	99.85	99.38	99.55	99.67	98.46	99.24	99.74	99.21	99.55
14	99.71	99.34	99.52	99.60	99.28	99.44	99.50	99.44	99.47	99.78	99.15	99.43
15	99.60	99.37	99.50	99.71	99.27	99.49	99.50	99.42	99.45	99.80	99.42	99.54
16	99.68	99.45	99.50	99.71	99.40	99.54	99.72	99.24	99.52	99.73	99.44	99.56
17	99.68	99.35	99.49	99.70	99.42	99.54	99.24	98.76	98.99	103.64	99.48	100.81
18	99.53	98.47	99.12	99.71	99.32	99.50	99.71	98.76	99.33	104.80	103.03	104.05
19	98.50	97.50	98.05	99.58	99.16	99.43	99.72	99.24	99.47	103.03	101.13	101.84
20	99.69	98.20	99.29	99.71	99.17	99.36	99.54	99.19	99.38	101.13	100.43	100.76
21	99.67	99.33	99.54	99.72	99.37	99.53	99.75	99.35	99.56	100.44	99.84	100.18
22	99.75	98.59	99.40	99.54	99.44	99.49	99.72	99.42	99.57	99.84	98.28	99.20
23	99.17	97.37	98.30	99.52	99.45	99.49	99.74	99.22	99.55	98.28	95.87	97.21
24	99.68	98.58	99.39	99.71	99.40	99.54	99.79	99.42	99.55	99.74	95.40	97.79
25	99.70	99.30	99.52	99.55	99.42	99.46	99.56	99.31	99.48	99.77	99.35	99.59
26	99.68	99.32	99.54	99.51	99.19	99.44	102.07	99.34	100.76	99.75	99.42	99.60
27	99.67	99.44	99.57	99.36	98.53	98.96	102.13	100.86	101.60	99.79	99.42	99.69
28	99.66	99.43	99.56	99.39	98.88	99.18	100.86	100.03	100.45	99.65	99.46	99.54
29	99.64	99.34	99.50	99.72	99.36	99.53	100.04	99.39	99.62	99.80	99.43	99.57
30	99.58	99.35	99.47	99.52	99.20	99.42	99.72	99.39	99.54	99.84	99.37	99.57
31	99.67	99.32	99.49	---	---	---	99.77	99.34	99.55	101.36	99.84	100.94
Month	99.76	97.37	99.38	99.90	97.63	99.41	102.13	97.88	99.44	104.80	95.40	99.65

02153550 NINETYNINE ISLAND RESERVOIR BELOW CHEROKEE FALLS, SC—Continued

ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		February			March			April			May	
1	101.14	100.30	100.71	100.43	99.81	100.17	99.72	99.37	99.53	100.85	100.40	100.62
2	100.41	99.33	100.09	99.81	99.39	99.60	99.77	99.30	99.55	100.40	100.08	100.25
3	99.84	99.15	99.61	99.73	99.41	99.56	99.73	99.37	99.50	100.09	99.58	99.74
4	99.78	99.42	99.58	99.74	99.17	99.51	99.75	99.28	99.58	99.77	99.39	99.58
5	99.85	99.42	99.65	99.78	99.18	99.48	99.75	99.39	99.57	104.65	99.42	100.95
6	99.91	99.12	99.57	99.80	99.36	99.54	99.75	99.41	99.61	106.12	104.65	105.73
7	99.74	99.31	99.49	99.73	99.40	99.52	99.61	99.42	99.49	105.48	101.73	103.98
8	99.64	99.43	99.54	99.71	99.36	99.53	99.72	99.34	99.53	101.86	100.98	101.39
9	99.70	99.42	99.51	99.71	99.36	99.58	99.71	99.13	99.50	101.03	100.48	100.70
10	99.71	99.41	99.62	99.70	99.40	99.52	99.76	99.39	99.58	100.48	100.16	100.33
11	99.78	99.36	99.54	99.53	99.44	99.49	99.68	99.40	99.54	100.23	99.73	100.02
12	99.75	99.30	99.55	100.51	99.27	99.73	100.82	99.39	100.25	99.91	99.75	99.83
13	99.74	99.44	99.57	100.58	99.98	100.38	100.68	100.19	100.47	100.03	99.36	99.65
14	99.79	99.24	99.54	100.02	99.37	99.62	100.20	99.35	99.80	99.74	99.19	99.51
15	100.30	98.67	99.45	99.69	99.54	99.61	99.64	99.45	99.55	99.72	99.37	99.59
16	100.32	99.44	99.85	99.70	99.38	99.55	99.74	99.42	99.58	99.69	99.38	99.58
17	99.71	99.41	99.56	99.69	99.39	99.54	99.69	99.11	99.46	99.95	99.29	99.57
18	99.72	99.12	99.47	99.69	99.36	99.53	99.76	99.45	99.57	99.57	99.39	99.48
19	99.71	97.89	98.76	99.74	99.39	99.58	99.77	99.21	99.54	99.77	99.40	99.56
20	99.77	99.11	99.57	99.74	99.34	99.56	99.62	99.45	99.52	99.74	99.25	99.50
21	99.79	99.17	99.53	99.71	99.39	99.58	99.53	99.40	99.48	99.69	98.03	98.88
22	99.58	99.47	99.52	99.70	99.32	99.56	99.69	99.39	99.54	98.54	97.09	98.01
23	99.78	99.41	99.61	99.70	99.35	99.50	99.53	99.44	99.48	100.94	97.58	99.82
24	99.76	99.31	99.56	99.71	99.40	99.55	99.75	99.38	99.53	100.91	99.44	100.28
25	99.77	99.23	99.53	99.76	99.34	99.65	99.77	99.33	99.55	99.46	97.55	98.55
26	101.50	99.00	100.18	99.94	99.27	99.54	99.52	99.40	99.47	98.58	96.76	97.82
27	101.74	101.05	101.44	99.81	98.99	99.48	99.70	99.40	99.50	98.24	97.78	98.07
28	101.07	100.41	100.71	99.76	98.89	99.59	101.80	99.40	99.99	97.79	96.84	97.44
29	---	---	---	99.71	99.40	99.55	102.32	101.80	102.11	97.18	95.64	96.63
30	---	---	---	99.76	99.40	99.61	101.87	100.84	101.30	99.81	95.26	97.69
31	---	---	---	99.75	99.37	99.53	---	---	---	99.72	99.39	99.56
Month	101.74	97.89	99.73	100.58	98.89	99.60	102.32	99.11	99.76	106.12	95.26	99.75

02153550 NINETYNINE ISLAND RESERVOIR BELOW CHEROKEE FALLS, SC—Continued

ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, FEET
WATER YEAR OCTOBER 2012 TO SEPTEMBER 2013

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
		June			July			August			September	
1	99.53	99.45	99.48	99.52	99.15	99.41	100.27	99.84	100.15	99.91	99.32	99.59
2	99.70	99.34	99.55	99.78	99.34	99.57	100.12	99.63	99.97	100.21	99.44	99.84
3	99.77	99.39	99.60	101.26	99.57	100.75	99.68	99.26	99.48	100.08	99.26	99.58
4	100.08	99.25	99.58	102.14	101.26	101.85	99.68	99.29	99.47	99.64	99.23	99.47
5	99.73	99.37	99.56	104.06	101.98	102.97	99.78	99.28	99.57	99.71	99.21	99.47
6	100.56	99.41	99.80	103.97	101.64	102.68	100.30	99.45	99.81	99.96	99.09	99.47
7	100.67	100.46	100.59	101.90	101.48	101.71	100.31	99.95	100.19	99.69	99.15	99.47
8	100.69	100.28	100.50	101.85	101.12	101.46	100.34	99.86	100.08	99.63	99.30	99.48
9	100.59	99.78	100.25	101.13	100.84	100.99	100.29	99.71	100.10	99.73	99.22	99.43
10	101.35	99.54	100.65	101.06	100.63	100.86	99.71	99.19	99.48	99.68	99.16	99.52
11	101.67	101.04	101.39	101.47	100.84	101.09	100.35	99.57	99.97	99.67	99.28	99.48
12	101.05	100.48	100.75	101.23	100.80	100.93	100.43	100.01	100.27	99.63	96.71	98.33
13	100.51	99.82	100.26	102.64	100.74	101.53	100.50	100.24	100.33	99.76	99.31	99.45
14	99.82	99.37	99.55	102.62	100.92	101.43	100.46	100.10	100.34	99.71	99.21	99.43
15	99.78	99.37	99.60	101.83	100.98	101.53	100.23	99.29	99.90	99.44	99.25	99.40
16	99.71	99.37	99.58	101.32	100.63	100.92	99.66	99.30	99.46	99.62	99.33	99.43
17	99.71	99.32	99.52	100.76	100.43	100.56	99.68	99.31	99.50	99.63	99.24	99.43
18	99.76	99.32	99.56	100.86	100.49	100.65	99.68	99.31	99.55	99.69	99.18	99.45
19	99.78	99.36	99.55	100.65	100.10	100.36	100.36	99.28	99.97	99.68	99.24	99.43
20	99.63	99.47	99.53	100.12	99.61	99.86	100.81	100.24	100.55	99.63	99.33	99.45
21	99.69	99.31	99.47	101.03	99.56	100.61	100.70	100.42	100.54	100.73	99.32	99.54
22	99.71	99.31	99.51	101.19	100.80	100.99	100.75	99.49	100.34	100.90	99.75	100.42
23	99.60	98.70	99.30	---	---	---	99.73	99.27	99.50	99.75	99.27	99.47
24	100.11	98.23	98.95	100.47	100.02	100.25	100.18	99.31	99.72	99.67	99.31	99.49
25	100.37	99.37	99.83	100.24	99.75	100.06	99.98	99.30	99.55	99.80	99.24	99.53
26	100.24	99.40	99.87	99.76	99.37	99.57	99.60	99.32	99.43	99.68	99.26	99.45
27	99.69	99.39	99.50	102.86	99.39	100.42	100.27	99.32	99.72	99.71	99.12	99.40
28	99.71	99.35	99.52	103.32	101.55	102.67	99.70	99.25	99.49	99.64	99.25	99.43
29	99.68	99.35	99.57	101.55	100.75	101.14	99.65	99.23	99.44	99.62	99.21	99.41
30	99.67	99.43	99.52	100.75	100.21	100.49	99.64	99.22	99.43	99.69	99.22	99.46
31	---	---	---	100.35	99.85	100.22	99.67	99.24	99.47	---	---	---
Month	101.67	98.23	99.80	---	---	---	100.81	99.19	99.83	100.90	96.71	99.47