

SANTEE RIVER BASIN

307

02171000 LAKE MARION NEAR PINEVILLE, SC

LOCATION.--Lat 33°27'00'', long 80°09'50'', Berkeley County, Hydrologic Unit 03050111, at right upstream end of spillway, 2.8 mi upstream from old Santee Canal, 5.4 mi upstream from Dead River, and 8.0 mi west of Pineville.

DRAINAGE AREA.--14,700 mi², approximately.

PERIOD OF RECORD.--January 1942 to current year. Prior to October 1942, published as Santee Reservoir near Pineville.

GAGE.--Data collection platform. Datum of gage is NGVD of 1929 (levels by Harza Engineering Co.).

REMARKS.--Lake is formed by earth dam. Storage began in November 1941; Dam completed in 1941. Usable capacity, 45,000,000,000 ft³ between elevations 60.0 ft (limit of drawdown) and 76.8 ft (maximum normal lake elevation). Dead storage, about 17,070,000,000 ft³. Figures given herein represent usable contents. Elevation of spillway crest 63.0 ft; top of spillway gates, 76.8 ft. Some water used for generation of power. Major portion of water is diverted from Lake Marion through canal to Lake Moultrie for generation of power and for recreation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 77.35 ft, Feb. 28, 1964 (affected by high winds); minimum elevation, 61.36 ft, Oct. 17, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 76.55 ft, Apr. 2; minimum elevation, 72.35 ft, Jan. 14.

Elevation above NGVD 1929, 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	75.93	75.36	74.49	73.39	72.87	75.09	75.96	75.38	75.36	75.38	75.39	75.05
2	76.06	75.38	74.45	73.32	72.90	75.09	76.25	75.36	75.46	75.44	75.44	75.03
3	76.23	75.41	74.36	73.25	73.10	75.09	76.28	75.24	75.58	75.78	75.53	75.01
4	76.31	75.49	74.29	73.18	73.18	75.18	76.47	75.19	75.60	75.91	75.57	74.97
5	76.31	75.37	74.24	73.05	73.30	75.26	76.52	75.26	75.67	75.98	75.54	74.92
6	76.23	75.40	74.21	72.89	73.43	75.29	76.45	75.14	75.88	75.95	75.54	74.92
7	76.05	75.44	74.17	72.74	73.58	75.27	76.37	75.14	76.07	75.94	75.56	74.95
8	75.80	75.37	74.09	72.63	73.74	75.28	76.34	75.10	76.05	75.83	75.58	74.93
9	75.61	75.29	74.04	72.54	73.95	75.31	76.22	75.10	75.97	75.79	75.54	74.90
10	75.45	75.27	74.17	72.49	74.09	75.30	76.18	75.10	75.79	75.75	75.50	74.87
11	75.28	75.19	74.06	72.43	74.03	75.49	76.09	75.13	75.68	75.78	75.46	74.83
12	75.17	75.22	74.04	72.42	74.06	75.32	76.01	75.13	75.60	75.89	75.42	74.80
13	75.18	75.08	74.07	72.36	74.11	75.31	75.93	75.14	75.59	76.07	75.45	74.74
14	75.01	75.01	74.10	72.55	74.17	75.30	75.84	75.14	75.57	76.21	75.44	74.75
15	75.04	74.94	74.16	72.52	74.22	75.22	75.72	75.23	75.52	76.15	75.37	74.74
16	75.01	74.93	74.33	72.55	74.28	75.27	75.73	75.32	75.47	76.02	75.29	74.72
17	75.04	74.89	74.41	72.57	74.32	75.20	75.74	75.37	75.42	75.91	75.26	74.74
18	75.09	74.85	74.43	72.64	74.27	75.15	75.79	75.42	75.39	75.87	75.26	74.71
19	75.11	74.81	74.51	72.79	74.29	75.16	75.74	75.56	75.30	75.79	75.25	74.70
20	75.09	74.77	74.16	72.83	74.33	75.22	75.65	75.52	75.27	75.68	75.24	74.65
21	75.06	74.74	74.13	72.76	74.47	75.27	75.56	75.63	75.25	75.63	75.21	74.64
22	75.03	74.71	74.08	73.06	74.49	75.39	75.52	75.67	75.21	75.57	75.27	74.57
23	75.07	74.74	74.11	72.71	74.53	75.42	75.47	75.70	75.15	75.50	75.36	74.53
24	75.12	74.68	73.96	72.70	74.70	75.33	75.42	75.64	75.15	75.45	75.42	74.44
25	75.12	74.70	73.80	72.69	74.68	75.32	75.41	75.64	75.22	75.39	75.38	74.42
26	75.19	74.61	73.77	72.68	74.79	75.35	75.55	75.59	75.23	75.31	75.33	74.37
27	75.24	74.60	73.67	72.59	74.95	75.60	75.53	75.48	75.22	75.23	75.31	74.30
28	75.30	74.56	73.66	72.57	75.08	75.64	75.48	75.38	75.28	75.18	75.28	74.28
29	75.33	74.53	73.60	72.68	---	75.52	75.40	75.32	75.27	75.14	75.18	74.30
30	75.35	74.50	73.54	72.78	---	75.51	75.39	75.39	75.31	75.20	75.18	74.23
31	75.36	---	73.46	72.82	---	75.64	---	75.34	---	75.29	75.11	---
MAX	76.31	75.49	74.51	73.39	75.08	75.64	76.52	75.70	76.07	76.21	75.58	75.05
MIN	75.01	74.50	73.46	72.36	72.87	75.09	75.39	75.10	75.15	75.14	75.11	74.23
	39.6	36.6	33.1	31.0	38.5	40.6	39.7	39.5	39.4	39.3	38.7	35.7
	-747	-1160	-1310	-784	+3100	+784	-347	-74.7	-38.6	-37.3	-224	-1160

CAL YR 2004 * -15.8 MAX 76.47 MIN 73.06
WTR YR 2005 * -187 MAX 76.52 MIN 72.36

(+) CONTENTS, IN BILLIONS OF CUBIC FEET, AT END OF MONTH.
(*) CHANGE IN CONTENT, EQUIVALENT IN CUBIC FEET PER SECOND.