

02171001 SANTEE RIVER AT LAKE MARION TAILRACE NEAR PINEVILLE, SC

Santee Basin
Santee Subbasin

LOCATION.--Lat 33°27'00", long 80°09'50" referenced to North American Datum of 1927, Berkeley County, SC, Hydrologic Unit 03050112, about 300 ft below Lake Marion Wilson Dam, at right downstream 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.

SURFACE-WATER RECORDS

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

GAGE.--Data collection platform. Datum of gage is NGVD of 1929.

REMARKS.--Flow completely regulated by Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through Diversion Canal into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged into Cooper River Basin (see sta 02172002), and lower Santee (see sta 02171645).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 52.59 ft, Mar. 21, 25, 2003; minimum gage height, 25.39 ft, July 24, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 30.81 ft, Apr. 5; minimum gage height, 26.31 ft, Aug. 9.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011**

Date	Discharge, in ft³/s	Gage height, in ft
Oct 19, 2010	653	27.16
Feb 18, 2011	658	27.06
May 18, 2011	694	27.04
Aug 11, 2011	696	27.42

02171001 SANTEE RIVER AT LAKE MARION TAILRACE NEAR PINEVILLE, SC—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	27.77	27.26	27.40	27.15	27.02	27.10	---	---	---	---	---	---
2	27.32	27.20	27.27	27.43	27.01	27.13	---	---	---	---	---	---
3	27.30	27.20	27.26	27.17	27.02	27.11	---	---	---	---	---	---
4	27.33	27.22	27.27	27.18	27.07	27.14	---	---	---	---	---	---
5	27.34	27.21	27.28	---	---	---	---	---	---	---	---	---
6	27.31	27.20	27.27	---	---	---	---	---	---	---	---	---
7	27.32	27.15	27.26	---	---	---	---	---	---	---	---	---
8	27.31	27.16	27.25	---	---	---	---	---	---	---	---	---
9	27.28	27.14	27.23	---	---	---	---	---	---	---	---	---
10	27.28	27.14	27.23	---	---	---	---	---	---	---	---	---
11	27.32	27.11	27.20	---	---	---	---	---	---	---	---	---
12	27.33	27.13	27.21	---	---	---	---	---	---	---	---	---
13	27.28	27.14	27.21	---	---	---	---	---	---	---	---	---
14	27.27	27.13	27.21	---	---	---	---	---	---	---	---	---
15	27.24	27.11	27.19	---	---	---	---	---	---	---	---	---
16	27.25	27.10	27.19	---	---	---	---	---	---	---	---	---
17	27.23	27.12	27.18	---	---	---	---	---	---	---	---	---
18	27.25	27.11	27.18	---	---	---	---	---	---	---	---	---
19	27.22	27.03	27.15	---	---	---	---	---	---	---	---	---
20	27.18	27.05	27.13	---	---	---	---	---	---	---	---	---
21	27.19	27.04	27.13	---	---	---	---	---	---	---	---	---
22	27.17	27.06	27.12	---	---	---	---	---	---	---	---	---
23	27.18	26.97	27.11	---	---	---	---	---	---	---	---	---
24	27.18	27.03	27.12	---	---	---	---	---	---	---	---	---
25	27.17	27.03	27.11	---	---	---	---	---	---	---	---	---
26	27.17	26.99	27.12	---	---	---	---	---	---	---	---	---
27	27.15	27.05	27.12	---	---	---	---	---	---	---	---	---
28	27.16	26.96	27.11	---	---	---	---	---	---	---	---	---
29	27.13	27.01	27.09	---	---	---	---	---	---	---	---	---
30	27.16	27.02	27.09	---	---	---	---	---	---	---	---	---
31	27.16	27.02	27.11	---	---	---	---	---	---	---	---	---
Month	27.77	26.96	27.19	---	---	---	---	---	---	---	---	---

02171001 SANTEE RIVER AT LAKE MARION TAILRACE NEAR PINEVILLE, SC—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	27.09	27.04	27.06	28.66	27.02	27.81	27.03	27.01	27.02
2	---	---	---	27.07	27.03	27.05	28.68	27.12	27.63	27.11	26.94	27.02
3	---	---	---	27.07	27.02	27.05	27.31	27.01	27.06	27.13	26.95	27.06
4	---	---	---	27.06	27.02	27.04	27.05	27.01	27.03	27.56	27.02	27.22
5	---	---	---	27.06	27.02	27.04	30.81	27.02	28.84	27.03	26.99	27.01
6	---	---	---	28.07	27.02	27.20	27.74	26.98	27.15	27.03	27.00	27.01
7	---	---	---	27.09	27.00	27.02	27.04	27.02	27.03	27.03	27.00	27.01
8	---	---	---	27.03	27.00	27.01	27.04	27.01	27.03	27.04	27.00	27.02
9	---	---	---	27.04	26.99	27.02	27.06	27.01	27.03	27.03	27.01	27.02
10	---	---	---	27.89	27.00	27.19	27.04	27.01	27.03	27.03	27.01	27.02
11	---	---	---	28.06	27.03	27.42	27.04	27.01	27.02	27.41	27.01	27.08
12	---	---	---	27.03	26.99	27.01	28.48	27.01	27.37	27.04	27.01	27.03
13	---	---	---	27.02	26.99	27.01	27.64	27.00	27.11	27.05	27.01	27.03
14	---	---	---	27.03	26.99	27.01	27.03	27.00	27.01	27.04	27.01	27.03
15	---	---	---	27.03	26.99	27.01	27.03	27.00	27.01	27.36	27.02	27.08
16	---	---	---	27.04	27.00	27.01	27.45	26.97	27.11	27.42	27.03	27.13
17	---	---	---	27.02	26.99	27.00	27.52	27.01	27.16	27.09	27.03	27.05
18	---	---	---	27.02	26.99	27.00	27.03	27.00	27.02	27.05	27.03	27.04
19	27.07	27.03	27.05	27.02	26.98	27.00	27.03	27.00	27.01	27.05	27.03	27.04
20	27.06	27.03	27.05	27.02	26.98	27.00	27.03	27.00	27.02	27.06	27.03	27.05
21	27.11	27.03	27.06	27.01	26.98	26.99	27.03	27.00	27.01	27.07	27.03	27.05
22	27.07	27.04	27.05	27.01	26.98	26.99	27.09	27.00	27.02	27.07	27.04	27.05
23	27.06	27.03	27.05	27.45	26.98	27.09	27.03	26.99	27.01	27.07	27.04	27.06
24	27.07	27.04	27.05	27.55	27.03	27.26	27.03	27.00	27.02	27.08	27.05	27.06
25	27.14	27.03	27.07	27.06	26.98	27.00	27.03	27.00	27.01	27.07	27.04	27.06
26	27.07	27.04	27.05	27.02	26.98	27.00	27.04	27.01	27.02	27.08	27.04	27.06
27	27.07	27.03	27.05	27.42	26.99	27.05	27.03	27.00	27.02	27.15	27.05	27.07
28	27.09	27.03	27.06	27.06	27.01	27.03	27.44	27.00	27.11	27.08	27.05	27.07
29	---	---	---	27.60	27.01	27.09	27.17	27.01	27.05	27.08	27.05	27.07
30	---	---	---	27.28	27.04	27.15	27.17	26.95	27.03	27.08	27.06	27.07
31	---	---	---	27.04	27.00	27.02	---	---	---	27.10	27.06	27.08
Month	---	---	---	28.07	26.98	27.06	30.81	26.95	27.16	27.56	26.94	27.05

02171001 SANTEE RIVER AT LAKE MARION TAILRACE NEAR PINEVILLE, SC—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	27.09	27.07	27.08	27.18	27.14	27.16	27.29	27.26	27.27	27.41	27.39	27.40
2	27.13	27.07	27.08	27.17	27.13	27.16	27.29	27.26	27.27	27.42	27.39	27.40
3	27.27	27.03	27.11	27.24	26.97	27.17	27.29	27.25	27.27	27.42	27.39	27.40
4	27.10	27.07	27.09	27.18	27.15	27.17	27.30	27.25	27.27	27.41	27.39	27.40
5	27.14	27.07	27.10	27.20	27.13	27.18	27.33	27.26	27.29	27.42	27.38	27.40
6	27.18	27.09	27.12	27.22	27.16	27.18	27.30	26.74	27.22	27.44	27.39	27.41
7	27.23	27.04	27.16	27.20	27.17	27.19	27.29	27.27	27.28	27.41	27.37	27.39
8	27.24	27.22	27.23	27.20	27.17	27.19	27.30	27.27	27.28	27.40	27.35	27.38
9	27.45	27.07	27.16	27.21	27.18	27.20	27.30	26.31	27.10	27.38	27.35	27.36
10	27.09	27.07	27.08	27.23	27.19	27.21	27.42	27.25	27.33	27.38	27.35	27.37
11	27.09	27.07	27.08	27.23	27.20	27.21	27.43	27.31	27.38	27.39	27.35	27.37
12	27.10	27.08	27.09	27.23	27.20	27.21	27.39	27.31	27.33	27.39	27.36	27.38
13	27.11	27.08	27.09	27.23	27.20	27.22	27.34	27.31	27.32	27.39	26.71	27.28
14	27.11	27.09	27.10	27.24	27.20	27.22	27.34	27.28	27.33	27.40	27.37	27.38
15	27.20	27.09	27.11	27.25	27.21	27.23	27.35	27.32	27.33	27.40	27.37	27.39
16	27.27	27.04	27.13	27.26	27.22	27.24	27.34	27.32	27.33	27.42	27.37	27.39
17	27.13	27.10	27.11	27.25	27.22	27.24	27.35	27.32	27.34	27.40	27.38	27.39
18	27.29	27.10	27.13	27.25	27.22	27.24	27.35	27.33	27.34	27.41	27.38	27.39
19	27.23	27.10	27.13	27.25	27.22	27.24	27.35	27.32	27.34	27.41	27.38	27.39
20	27.16	27.11	27.13	27.26	27.23	27.24	27.39	26.98	27.34	27.40	27.38	27.39
21	27.14	27.11	27.12	27.26	27.23	27.24	27.37	27.33	27.35	27.40	27.37	27.39
22	27.14	27.11	27.13	27.26	27.22	27.24	27.36	26.52	27.18	27.42	27.37	27.39
23	27.27	27.12	27.15	27.26	27.24	27.25	27.35	27.32	27.34	27.43	27.38	27.40
24	27.16	27.12	27.14	27.26	27.23	27.24	27.36	27.32	27.34	27.43	27.38	27.39
25	27.15	27.12	27.14	27.29	27.23	27.25	27.38	27.33	27.35	27.40	27.37	27.39
26	27.15	27.12	27.14	27.31	27.24	27.27	27.42	27.34	27.37	27.41	27.37	27.39
27	27.15	27.12	27.14	27.27	27.24	27.25	27.53	27.39	27.45	27.42	27.36	27.38
28	27.16	27.13	27.14	27.27	27.24	27.26	27.41	27.38	27.40	27.40	27.36	27.38
29	27.16	27.13	27.15	27.27	27.24	27.26	27.42	27.39	27.40	27.39	27.36	27.37
30	27.17	27.14	27.16	27.27	27.24	27.26	27.41	27.39	27.40	27.38	27.36	27.37
31	---	---	---	27.28	27.25	27.26	27.42	27.39	27.40	---	---	---
Month	27.45	27.03	27.12	27.31	26.97	27.22	27.53	26.31	27.32	27.44	26.71	27.38