

Water-Data Report 2011

02168501 LAKE MURRAY TAILRACE NEAR COLUMBIA, SC

Santee Basin
Saluda Subbasin

LOCATION.--Lat 34°03'12", long 81°13'01" referenced to North American Datum of 1927, Lexington County, SC, Hydrologic Unit 03050109, on left bank of Saluda River below Lake Murray Dam, at power house, 10.2 mi upstream from confluence of Saluda and Congaree Rivers.

DRAINAGE AREA.--2,420 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1986 to current year.

GAGE.--Data collection platform. Datum of gage is 99.12 ft above NGVD of 1929.

REMARKS.--Regulated by hydro-electric generation from Lake Murray Dam.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 85.92 ft, Mar. 21, 2003; minimum gage height, 70.57 ft, Dec. 4, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 85.02 ft, Nov. 28; minimum gage height, 71.85 ft, Apr. 25.

02168501 LAKE MURRAY TAILRACE NEAR COLUMBIA, 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	72.64	72.61	72.62	72.71	72.66	72.69	72.71	72.62	72.64	72.73	72.69	72.71
2	72.68	72.61	72.65	72.74	72.67	72.70	74.03	72.63	72.91	72.72	72.68	72.70
3	72.68	72.63	72.66	72.74	72.69	72.71	82.65	72.64	73.73	77.87	72.68	73.41
4	72.68	72.63	72.66	72.74	72.70	72.72	72.93	72.87	72.89	74.83	72.69	72.87
5	72.70	72.65	72.68	72.74	72.69	72.71	72.92	72.87	72.89	72.73	72.69	72.71
6	72.82	72.66	72.70	73.09	72.70	72.76	74.36	72.88	73.36	72.73	72.69	72.71
7	72.73	72.67	72.70	73.03	72.75	72.79	72.94	72.89	72.92	72.73	72.69	72.71
8	72.72	72.67	72.70	74.35	72.75	73.12	72.94	72.88	72.92	76.35	72.69	73.76
9	72.84	72.68	72.72	72.79	72.74	72.77	72.93	72.88	72.91	72.87	72.82	72.85
10	72.73	72.67	72.70	72.80	72.73	72.76	72.94	72.89	72.91	77.28	72.83	73.57
11	72.80	72.66	72.70	77.47	72.68	73.05	72.94	72.87	72.91	77.34	77.17	77.27
12	72.84	72.65	72.68	72.72	72.67	72.69	72.94	72.87	72.90	77.20	77.11	77.15
13	72.67	72.64	72.65	72.71	72.67	72.69	81.12	72.87	75.99	77.18	77.10	77.14
14	72.67	72.63	72.65	72.70	72.67	72.69	81.14	77.15	79.60	80.23	77.12	77.86
15	72.68	72.63	72.66	72.70	72.67	72.69	80.15	72.82	75.94	77.29	72.69	74.43
16	72.71	72.64	72.67	72.70	72.66	72.68	72.87	72.82	72.85	72.73	72.69	72.70
17	72.71	72.66	72.69	72.69	72.67	72.68	72.85	72.72	72.77	72.73	72.69	72.71
18	72.71	72.67	72.69	72.69	72.67	72.68	72.78	72.72	72.75	77.26	72.69	74.66
19	72.71	72.67	72.69	72.70	72.67	72.69	72.79	72.73	72.76	77.23	75.02	76.46
20	72.71	72.67	72.69	72.71	72.67	72.69	72.80	72.75	72.77	75.10	72.68	73.28
21	72.71	72.67	72.69	72.71	72.67	72.69	72.79	72.75	72.77	73.10	72.67	72.74
22	72.70	72.65	72.68	72.71	72.67	72.69	72.86	72.75	72.78	72.78	72.73	72.76
23	72.71	72.66	72.69	72.71	72.68	72.69	72.79	72.74	72.77	72.79	72.75	72.77
24	72.71	72.67	72.69	72.77	72.68	72.73	78.87	72.70	73.15	72.79	72.75	72.77
25	72.71	72.66	72.69	72.78	72.74	72.76	72.73	72.70	72.72	72.79	72.74	72.76
26	72.70	72.66	72.68	72.79	72.75	72.77	72.73	72.69	72.71	72.78	72.74	72.76
27	72.70	72.65	72.67	84.19	72.75	74.13	72.73	72.69	72.71	72.78	72.73	72.76
28	72.70	72.64	72.67	85.02	73.33	78.27	72.74	72.70	72.72	72.79	72.74	72.77
29	72.67	72.63	72.65	73.51	72.69	73.00	72.74	72.69	72.71	72.79	72.74	72.76
30	72.71	72.65	72.68	72.73	72.69	72.71	72.74	72.70	72.72	72.77	72.73	72.76
31	72.71	72.66	72.68	---	---	---	72.73	72.69	72.71	---	---	---
Month	72.84	72.61	72.68	85.02	72.66	72.98	82.65	72.62	73.28	---	---	---

02168501 LAKE MURRAY TAILRACE NEAR COLUMBIA, 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	---	---	---	---	---	---	78.84	77.31	78.72	72.66	72.57	72.61
2	---	---	---	71.90	71.90	71.90	77.98	75.25	75.73	72.64	72.57	72.61
3	---	---	---	71.91	71.90	71.90	75.39	74.91	75.30	72.64	72.55	72.60
4	---	---	---	71.91	71.90	71.91	75.40	73.19	74.26	72.64	72.58	72.61
5	---	---	---	71.91	71.90	71.91	73.31	73.16	73.25	72.67	72.59	72.63
6	---	---	---	71.92	71.89	71.90	74.35	73.21	73.71	72.67	72.59	72.63
7	---	---	---	71.91	71.90	71.91	74.85	74.25	74.49	80.38	72.60	75.82
8	---	---	---	71.93	71.91	71.92	74.40	74.30	74.35	72.82	72.66	72.72
9	---	---	---	71.94	71.91	71.93	74.41	74.23	74.33	77.28	72.51	73.58
10	---	---	---	71.92	71.89	71.91	77.29	74.22	76.19	72.61	72.49	72.55
11	---	---	---	71.91	71.89	71.90	75.85	73.64	75.20	72.64	72.49	72.58
12	---	---	---	71.93	71.91	71.92	76.90	73.74	74.06	72.64	72.57	72.60
13	---	---	---	71.93	71.91	71.92	73.98	73.07	73.47	72.63	72.57	72.60
14	---	---	---	73.63	71.92	73.02	84.09	72.83	76.73	72.64	72.57	72.61
15	---	---	---	73.60	73.48	73.53	73.04	72.91	72.99	72.64	72.56	72.61
16	---	---	---	73.58	73.43	73.51	75.33	72.45	73.03	72.64	72.58	72.61
17	---	---	---	74.41	73.38	73.75	72.64	72.43	72.55	72.71	72.58	72.61
18	---	---	---	74.21	73.38	73.85	73.75	72.53	72.65	72.68	72.59	72.62
19	---	---	---	73.93	73.72	73.86	77.45	73.75	74.57	78.06	72.49	73.67
20	---	---	---	73.94	73.79	73.87	74.33	72.83	74.10	73.15	72.74	72.82
21	---	---	---	73.95	73.79	73.87	77.67	72.56	72.95	72.82	72.71	72.77
22	---	---	---	74.06	73.80	73.95	72.69	72.61	72.65	72.82	72.72	72.76
23	---	---	---	74.39	73.89	74.09	72.70	72.62	72.66	72.82	72.68	72.76
24	---	---	---	74.40	74.24	74.31	72.69	72.60	72.65	72.83	72.69	72.75
25	---	---	---	74.35	73.57	73.93	72.62	71.85	72.12	74.57	72.67	73.14
26	---	---	---	74.12	73.55	73.66	75.04	72.52	74.04	72.78	72.71	72.74
27	---	---	---	75.30	73.75	74.31	74.94	74.73	74.84	72.92	72.71	72.75
28	---	---	---	77.14	75.21	76.49	74.98	72.97	74.72	72.81	72.72	72.76
29	---	---	---	78.87	75.28	77.90	72.97	72.63	72.81	72.80	72.72	72.76
30	---	---	---	78.90	78.73	78.81	77.53	72.60	73.18	72.80	72.69	72.75
31	---	---	---	78.85	78.73	78.80	---	---	---	72.79	72.70	72.75
Month	---	---	---	---	---	---	84.09	71.85	74.08	80.38	72.49	72.85

02168501 LAKE MURRAY TAILRACE NEAR COLUMBIA, 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	73.61	72.71	73.30	72.75	72.68	72.71	72.56	72.44	72.50	72.68	72.60	72.64
2	73.67	73.30	73.59	72.76	72.68	72.72	72.57	72.44	72.51	72.67	72.59	72.63
3	75.47	72.72	73.53	72.75	72.69	72.72	72.57	72.43	72.51	72.67	72.59	72.62
4	72.99	72.89	72.95	72.75	72.69	72.72	72.53	72.43	72.48	72.67	72.60	72.63
5	73.00	72.91	72.95	72.76	72.69	72.73	72.63	72.42	72.49	79.34	72.60	73.83
6	73.00	72.90	72.95	72.77	72.70	72.73	72.55	72.47	72.51	72.84	72.69	72.73
7	73.35	72.59	72.96	72.77	72.70	72.73	72.56	72.45	72.51	72.76	72.70	72.73
8	73.35	73.29	73.32	72.78	72.71	72.74	72.50	72.43	72.47	72.79	72.71	72.74
9	73.34	73.01	73.28	72.77	72.71	72.74	72.62	72.41	72.46	72.77	72.70	72.74
10	73.01	72.57	72.62	72.77	72.70	72.74	72.53	72.41	72.47	72.79	72.70	72.74
11	72.63	72.57	72.60	72.77	72.71	72.74	72.56	72.44	72.52	72.80	72.70	72.74
12	72.65	72.57	72.61	72.78	72.72	72.75	72.58	72.47	72.53	72.79	72.70	72.74
13	72.65	72.47	72.56	73.59	72.71	72.93	72.60	72.47	72.54	72.80	72.71	72.74
14	72.57	72.53	72.55	72.88	72.51	72.65	72.59	72.48	72.53	72.79	72.70	72.75
15	72.63	72.31	72.49	72.60	72.51	72.57	72.61	72.47	72.55	72.77	72.70	72.74
16	72.73	72.30	72.60	72.64	72.55	72.59	72.63	72.47	72.57	72.80	72.70	72.76
17	72.72	72.66	72.69	72.63	72.54	72.59	74.04	72.51	72.65	72.81	72.75	72.78
18	72.72	72.66	72.69	72.63	72.55	72.59	72.62	72.51	72.58	72.82	72.76	72.79
19	72.72	72.66	72.69	73.57	72.54	73.13	72.64	72.54	72.59	72.82	72.74	72.78
20	72.73	72.66	72.69	73.71	72.64	73.24	72.63	72.55	72.59	72.81	72.75	72.78
21	72.72	72.66	72.69	73.61	72.61	72.93	72.63	72.53	72.60	72.83	72.75	72.78
22	72.73	72.66	72.70	72.68	72.61	72.64	72.62	72.53	72.58	72.82	72.75	72.79
23	72.72	72.66	72.69	72.67	72.61	72.65	72.63	72.55	72.60	72.84	72.75	72.79
24	72.73	72.66	72.69	72.67	72.61	72.64	72.66	72.57	72.62	72.84	72.75	72.79
25	72.73	72.66	72.70	72.69	72.61	72.65	72.67	72.58	72.62	72.82	72.75	72.78
26	72.74	72.67	72.70	84.30	72.61	75.15	72.66	72.58	72.62	72.82	72.74	72.79
27	72.73	72.65	72.70	73.06	72.43	72.64	72.66	72.56	72.62	72.81	72.74	72.78
28	72.73	72.67	72.71	72.53	72.44	72.48	72.65	72.56	72.61	72.81	72.73	72.77
29	72.74	72.68	72.71	72.52	72.45	72.49	72.66	72.58	72.62	72.81	72.74	72.78
30	72.75	72.67	72.71	72.53	72.41	72.48	72.64	72.59	72.62	72.82	72.74	72.79
31	---	---	---	73.84	72.44	72.70	72.66	72.58	72.63	---	---	---
Month	75.47	72.30	72.82	84.30	72.41	72.79	74.04	72.41	72.56	79.34	72.59	72.78