

02168501 LAKE MURRAY TAILRACE NEAR COLUMBIA, SC

LOCATION.--Lat 34°03'12'', long 81°13'01'', Lexington County, Hydrologic Unit 03050109, on left side of Saluda River below Lake Murray dam, at power house, 10.2 mi upstream from confluence of Saluda and Congaree Rivers.

DRAINAGE.--2,420 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--October 1986 to current year. Data prior to October 1986 are in files of the U.S. Geological Survey.

GAGE.--Water-stage recorder. 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, 85.92 ft, Mar. 21; minimum gage height, 72.50 ft, May 30.

Gage height, feet WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003												
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	76.10	74.05	75.14	76.76	76.61	76.70	76.94	76.86	76.89
2	74.65	74.11	74.36	76.00	74.00	75.06	80.14	76.33	76.70	76.88	76.70	76.83
3	78.17	74.29	76.47	76.00	73.97	74.30	76.96	76.29	76.51	76.85	76.79	76.82
4	77.50	74.23	75.70	77.56	74.15	75.45	84.59	76.60	78.09	76.93	76.81	76.85
5	76.76	74.62	75.49	76.49	73.91	75.29	78.06	75.37	77.19	77.11	76.76	76.93
6	76.53	74.71	75.61	76.10	74.40	75.57	78.31	75.39	76.84	76.79	76.75	76.77
7	77.92	74.67	75.79	76.33	73.95	75.82	76.06	75.35	75.75	77.12	76.76	76.95
8	75.01	73.25	74.23	76.29	74.14	75.76	76.06	76.03	76.05	76.81	76.76	76.78
9	74.17	74.09	74.13	76.04	73.87	74.01	76.04	74.07	75.25	76.80	76.77	76.79
10	84.26	74.05	75.44	73.90	73.87	73.88	74.46	74.07	74.21	76.78	74.42	75.30
11	75.92	73.96	74.41	79.27	73.87	75.86	74.45	74.42	74.44	76.78	76.75	76.77
12	76.01	73.96	74.83	76.98	74.02	75.67	75.23	74.40	74.72	76.80	76.76	76.77
13	74.14	74.10	74.12	76.50	74.28	75.79	76.59	75.20	75.76	76.83	76.56	76.74
14	76.82	74.06	75.11	76.49	74.16	75.17	76.90	76.54	76.63	77.53	76.55	76.86
15	76.35	73.95	75.25	76.48	74.01	75.80	82.66	76.55	77.16	76.60	75.34	76.05
16	76.10	74.08	75.03	76.82	74.41	75.88	77.18	76.64	76.99	75.37	75.33	75.35
17	75.90	74.03	75.09	76.79	74.12	76.01	77.15	77.08	77.10	75.36	75.33	75.34
18	76.64	73.51	74.64	76.97	76.77	76.85	77.18	77.07	77.12	75.38	75.33	75.35
19	74.37	73.97	74.10	76.94	76.50	76.71	77.16	73.48	76.96	76.98	75.35	75.43
20	74.40	74.36	74.38	76.56	76.50	76.53	76.90	73.16	76.11	75.85	73.28	74.61
21	76.60	74.19	74.99	76.55	74.32	76.39	76.44	76.38	76.40	73.38	72.95	73.21
22	83.13	74.05	76.07	76.54	76.48	76.50	76.42	76.39	76.41	73.01	72.94	72.97
23	75.23	73.95	74.06	76.55	76.51	76.54	76.42	76.38	76.40	75.35	72.98	73.06
24	76.07	74.05	75.18	76.57	76.54	76.56	77.08	76.38	76.62	75.82	73.01	73.90
25	75.89	74.09	75.21	76.60	76.54	76.56	80.07	76.30	77.68	73.22	73.15	73.18
26	74.78	74.37	74.40	76.95	76.58	76.72	79.29	76.33	76.79	73.18	73.13	73.16
27	76.18	74.12	74.55	76.97	76.63	76.92	76.78	76.70	76.74	73.36	73.13	73.25
28	---	---	---	76.98	76.61	76.84	76.77	76.26	76.47	73.80	73.07	73.55
29	---	---	---	76.80	76.75	76.77	76.28	76.22	76.26	74.78	73.05	74.16
30	---	---	---	76.79	76.75	76.77	76.61	76.22	76.42	74.78	74.76	74.77
31	74.84	74.05	74.52	---	---	---	76.95	76.31	76.72	76.15	74.76	75.67
MONTH	---	---	---	79.27	73.87	75.90	84.59	73.16	76.43	77.53	72.94	75.39

## SANTEE RIVER BASIN

02168501 LAKE MURRAY TAILRACE NEAR COLUMBIA, SC--Continued

Gage height, feet  
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	77.67	72.85	75.72	75.52	75.49	75.51	77.38	73.45	74.07	79.84	73.33	74.68
2	76.25	76.12	76.14	77.03	75.49	76.41	77.45	73.26	73.86	79.74	73.70	74.87
3	76.13	74.98	75.45	81.83	76.97	78.13	73.37	72.97	73.05	73.87	73.80	73.83
4	75.01	74.97	74.99	77.72	75.65	76.50	83.32	73.00	75.52	73.84	73.79	73.82
5	77.08	73.37	74.20	75.68	75.61	75.65	83.16	73.73	78.43	80.88	73.81	75.00
6	73.44	73.40	73.42	85.23	75.61	81.23	75.21	73.58	73.80	84.44	73.89	79.15
7	73.96	73.42	73.71	85.35	85.21	85.28	83.48	73.72	78.65	85.13	75.30	81.59
8	73.95	73.93	73.94	85.25	85.13	85.18	83.62	79.08	83.20	84.95	74.53	80.51
9	73.95	73.93	73.93	85.25	85.19	85.22	83.59	76.98	79.93	80.29	74.21	77.64
10	75.21	73.92	74.85	85.20	78.58	82.08	84.51	80.17	83.71	80.15	74.86	77.91
11	77.56	74.94	75.32	79.93	78.57	79.79	84.17	79.12	82.57	75.01	74.86	74.90
12	79.74	75.00	78.20	80.75	79.89	80.23	83.56	77.19	81.31	78.67	74.81	75.01
13	79.89	77.85	78.85	81.35	78.72	80.10	82.62	77.52	80.81	75.06	74.52	74.89
14	79.54	74.37	76.08	82.22	78.29	80.04	81.66	77.28	78.26	75.04	72.85	73.85
15	74.40	74.25	74.33	82.04	77.23	78.46	81.18	77.39	78.42	72.86	72.84	72.85
16	79.84	72.63	75.47	81.57	76.57	77.20	77.51	75.73	76.45	79.55	72.84	74.47
17	79.31	75.17	77.26	79.70	76.56	77.33	79.88	74.91	76.10	75.23	73.21	73.98
18	76.55	74.41	76.25	83.33	76.79	79.94	83.87	74.26	77.26	75.02	73.20	74.35
19	77.78	75.40	76.01	81.81	77.28	79.71	84.51	76.32	80.72	76.33	73.75	75.35
20	75.42	75.38	75.40	85.57	76.26	82.07	82.51	74.94	79.43	81.65	73.42	76.72
21	75.40	75.36	75.38	85.92	83.09	85.01	83.31	81.18	82.60	83.37	74.69	81.16
22	75.41	75.35	75.38	84.72	84.57	84.68	83.49	77.89	82.61	83.40	75.12	78.40
23	83.14	75.36	78.37	84.87	84.62	84.69	84.05	76.66	80.41	83.41	75.00	79.18
24	82.35	75.35	78.37	84.85	82.90	84.26	76.66	73.83	76.04	83.57	75.57	80.72
25	79.24	78.91	79.05	84.35	80.11	83.54	84.49	73.40	79.19	83.57	83.53	83.55
26	79.20	75.29	77.45	84.33	77.65	82.37	79.32	73.45	74.56	83.56	82.77	83.50
27	82.65	75.28	78.16	83.65	75.70	81.67	74.82	73.05	73.53	83.56	77.46	81.63
28	78.30	75.30	75.63	83.18	76.20	77.79	79.46	73.05	74.39	80.57	74.82	77.20
29	---	---	---	81.57	76.15	77.03	79.28	73.41	74.65	78.34	72.85	76.30
30	---	---	---	---	---	---	82.86	73.07	76.36	73.81	72.50	72.96
31	---	---	---	83.52	73.56	77.36	---	---	---	82.28	73.81	75.97
MONTH	83.14	72.63	75.98	---	---	---	84.51	72.97	78.00	85.13	72.50	76.97

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	74.38	72.90	73.28	84.80	73.36	79.87	74.72	73.93	74.17	74.12	73.81	73.85
2	75.79	72.63	73.67	84.61	75.72	78.68	73.96	73.93	73.95	74.26	73.81	73.88
3	72.63	72.60	72.62	84.55	74.83	79.26	82.77	73.94	75.05	74.65	73.82	73.99
4	78.73	72.60	74.16	77.02	74.67	75.34	81.52	74.72	76.35	74.54	73.84	74.08
5	83.08	73.08	76.56	77.23	74.53	76.05	79.69	75.16	76.19	73.92	73.84	73.86
6	83.63	73.16	79.67	77.61	76.55	76.90	78.60	75.04	75.60	73.86	73.84	73.85
7	83.53	72.96	78.33	76.90	74.96	75.68	85.20	75.56	80.65	73.88	73.85	73.86
8	74.76	72.72	72.93	79.62	74.97	77.12	78.20	75.18	76.51	75.10	73.86	73.99
9	84.42	72.70	77.87	83.56	74.51	78.80	78.85	74.85	75.74	74.89	73.96	74.32
10	82.16	73.32	76.72	80.20	74.33	75.99	75.80	75.25	75.35	78.29	73.97	74.44
11	83.53	73.55	77.39	80.44	75.36	78.24	75.29	75.23	75.27	74.04	74.02	74.03
12	77.67	73.23	74.68	81.20	75.75	77.27	78.96	73.90	75.21	74.52	74.00	74.05
13	73.34	73.27	73.29	75.79	75.74	75.76	78.59	74.21	74.73	74.41	74.00	74.14
14	73.86	73.28	73.40	76.71	73.82	75.31	78.87	74.40	75.33	74.39	74.01	74.16
15	81.36	73.30	74.38	80.90	75.24	76.72	75.66	74.39	74.46	74.26	73.37	73.94
16	79.82	73.64	75.40	79.05	74.39	75.87	74.44	74.40	74.42	73.62	73.37	73.53
17	82.56	73.63	76.19	77.25	74.32	75.79	77.31	74.37	74.78	73.69	73.61	73.62
18	81.57	73.43	77.46	76.38	74.93	75.43	81.41	74.36	77.31	73.61	73.59	73.60
19	81.54	73.57	79.63	75.43	74.74	75.29	80.62	74.12	77.54	73.60	73.59	73.60
20	80.27	73.64	76.89	75.46	75.38	75.41	83.82	74.32	77.31	73.60	73.59	73.59
21	73.71	73.59	73.61	75.44	74.66	75.24	79.42	74.85	77.60	73.60	73.59	73.59
22	73.68	73.61	73.65	79.93	75.19	75.86	78.71	75.24	76.67	74.12	73.39	73.77
23	74.76	73.66	74.10	81.50	75.23	76.88	78.71	75.07	75.50	73.39	73.29	73.36
24	80.46	73.38	74.67	75.51	73.45	75.05	75.07	74.53	74.75	73.31	73.29	73.30
25	78.58	73.72	75.16	75.19	75.14	75.17	75.13	74.46	74.71	74.15	73.29	73.55
26	80.98	73.94	75.72	80.82	75.13	75.62	77.81	74.42	75.30	74.15	74.13	74.14
27	74.24	73.37	73.77	75.19	75.12	75.15	75.21	74.11	74.55	74.13	74.12	74.13
28	73.39	73.37	73.38	75.17	74.81	75.11	77.00	74.18	74.39	74.39	74.02	74.24
29	75.39	73.37	73.85	79.78	73.99	75.21	74.50	73.81	74.15	74.50	74.20	74.35
30	82.23	73.04	74.11	73.99	73.94	73.95	78.97	73.81	74.74	74.20	74.18	74.19
31	---	---	---	76.74	73.95	75.06	76.31	73.81	74.03	---	---	---
MONTH	84.42	72.60	75.22	84.80	73.36	76.23	85.20	73.81	75.56	78.29	73.29	73.90