

Water-Data Report 2011

02171635 LK MOULTRIE AT REDIVERSION NR RUSSELLVILLE, SC

Edisto-South Carolina Coastal Basin
Cooper Subbasin

LOCATION.--Lat 33°23'56", long 79°59'51" referenced to North American Datum of 1983, Berkeley County, SC, Hydrologic Unit 03050201, on left bank of canal, approximately 0.25 mi upstream of Amos Goudine Boat Landing, at mouth of Lake Moultrie and Santee Tailrace Canal.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--May 2011 to September 2011.

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

REMARKS.--Lake is formed by earth dikes and dam, with concrete navigation locks; dikes and dam completed in 1941. Storage began in November 1941. Water is diverted through canal from Lake Marion (see sta 02171000) and discharged through tailrace canal into West Branch Cooper River. Usable capacity, 32,400,000,000 ft³ between elevation 60.0 ft (normal limit of drawdown) and 76.8 ft (maximum normal elevation). Dead storage, about 18,040,000,000 ft³. Figures given herein represent usable contents. Water is used for generation of power and for navigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 75.96 ft, May 28, 2011 (affected by high winds); minimum elevation, 71.35 ft, Sep. 27, 2011 (affected by high winds).

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 75.96 ft, May 28; minimum elevation, 71.35 ft, Sept. 27.

02171635 LK MOULTRIE AT REDIVERSION NR RUSSELLVILLE, SC—Continued

ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, 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	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
Month	---	---	---	---	---	---	---	---	---	---	---	---

02171635 LK MOULTRIE AT REDIVERSION NR RUSSELLVILLE, SC—Continued

ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, 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	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	75.75	75.12	75.47
27	---	---	---	---	---	---	---	---	---	75.59	75.30	75.42
28	---	---	---	---	---	---	---	---	---	75.96	75.20	75.48
29	---	---	---	---	---	---	---	---	---	75.53	75.40	75.48
30	---	---	---	---	---	---	---	---	---	75.54	75.44	75.49
31	---	---	---	---	---	---	---	---	---	75.58	75.47	75.52
Month	---	---	---	---	---	---	---	---	---	---	---	---

02171635 LK MOULTRIE AT REDIVERSION NR RUSSELLVILLE, SC—Continued

ELEVATION OF RESERVOIR WATER SURFACE ABOVE DATUM, 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	75.52	75.44	75.49	74.71	74.51	74.62	73.95	73.55	73.79	72.99	72.87	72.92
2	75.57	75.46	75.52	74.81	74.41	74.57	73.87	73.73	73.80	72.98	72.76	72.91
3	75.63	75.47	75.54	74.63	74.45	74.53	73.84	73.69	73.75	72.89	72.72	72.78
4	75.59	75.48	75.53	74.56	74.36	74.49	73.83	73.56	73.73	72.95	72.64	72.76
5	75.61	75.44	75.56	74.56	74.28	74.44	73.96	73.49	73.70	72.82	72.55	72.71
6	75.72	75.06	75.50	74.57	74.20	74.41	73.94	73.62	73.72	73.00	72.60	72.72
7	75.59	75.34	75.51	74.46	74.31	74.40	73.78	73.65	73.72	72.77	72.60	72.68
8	75.58	75.39	75.50	74.77	74.25	74.42	73.80	73.66	73.73	72.71	72.59	72.67
9	75.52	75.34	75.43	74.83	74.02	74.42	73.85	73.65	73.74	72.70	72.55	72.63
10	75.44	75.27	75.38	74.50	74.32	74.44	74.12	73.20	73.69	72.63	72.48	72.56
11	75.40	75.24	75.33	74.47	74.34	74.41	73.76	73.25	73.63	72.55	72.36	72.48
12	75.36	75.13	75.30	74.47	74.34	74.41	74.01	73.33	73.59	72.48	72.30	72.42
13	75.35	75.19	75.28	74.60	74.14	74.38	73.68	73.47	73.59	72.56	72.20	72.35
14	75.31	75.04	75.20	74.48	74.19	74.33	73.79	73.40	73.60	72.38	72.18	72.29
15	75.23	74.86	75.14	74.32	74.17	74.26	73.64	73.45	73.57	72.30	72.16	72.24
16	75.41	75.00	75.18	74.30	74.07	74.20	73.58	73.46	73.53	72.19	71.83	72.03
17	75.25	75.10	75.17	74.25	74.10	74.17	73.55	73.40	73.49	72.15	71.95	72.06
18	75.26	75.03	75.16	74.23	74.10	74.17	73.52	73.33	73.45	72.04	71.86	71.97
19	75.37	75.01	75.15	74.21	74.08	74.15	73.53	73.41	73.47	71.99	71.77	71.90
20	75.25	75.01	75.10	74.16	73.98	74.10	73.68	73.17	73.44	71.94	71.76	71.85
21	75.12	74.96	75.05	74.53	73.55	74.06	73.65	73.43	73.50	71.92	71.70	71.82
22	75.07	74.87	74.98	74.10	73.92	74.03	73.52	73.36	73.45	71.90	71.74	71.79
23	75.06	74.79	74.98	74.41	73.48	73.97	73.89	72.78	73.34	71.98	71.76	71.84
24	75.09	74.83	74.98	73.99	73.79	73.91	73.53	73.17	73.32	72.01	71.75	71.89
25	75.00	74.82	74.89	74.02	73.58	73.87	73.35	73.18	73.27	72.00	71.78	71.92
26	74.96	74.74	74.86	74.09	73.68	73.92	73.38	72.74	73.17	72.11	71.83	71.99
27	74.88	74.76	74.82	73.97	73.78	73.90	73.49	73.18	73.36	72.66	71.35	72.10
28	75.01	74.66	74.79	73.93	73.81	73.87	73.23	73.06	73.17	72.42	72.07	72.23
29	74.84	74.64	74.75	73.93	73.77	73.86	73.20	72.93	73.10	72.37	72.24	72.32
30	74.75	74.55	74.67	73.88	73.70	73.81	73.09	72.93	73.02	72.63	72.12	72.37
31	---	---	---	74.18	72.93	73.77	73.03	72.93	72.98	---	---	---
Month	75.72	74.55	75.19	74.83	72.93	74.20	74.12	72.74	73.50	73.00	71.35	72.31