

COOPER RIVER BASIN

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02172000 LAKE MOULTRIE NEAR PINOPOLIS, SC

LOCATION.--Lat 33°14'40'', long 79°59'30'', Berkeley County, Hydrologic Unit 03050201, at powerplant 0.7 mi upstream from Seaboard Coast Line Railroad bridge and 2.8 mi northeast of Pinopolis.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1941 to current year. Prior to October 1942, published as Pinopolis Reservoir.

GAGE.--Data collection platform. Datum of gage is NGVD of 1929 (levels by South Carolina Public Service Authority). Prior to May 16, 1942, and Feb. 25 to Dec. 14, 1970, nonrecording gage, and May 17, 1942 to Sept. 30, 1963, water-stage recorder at same site at datum 0.25 ft lower.

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. Records of contents at end of month published for water years prior to 1964 were computed from elevations 0.25 ft too high. Records of change in contents published for the same period are slightly in error.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 78.30 ft, Sept. 21, 1989 (affected by high winds); minimum elevation, 58.52 ft, Dec. 21, 1951.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 75.66 ft, July 2; minimum elevation, 72.66 ft, Jan. 25.

Elevation above NGVD 1929, feet
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY OBSERVATION AT 2400 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74.59	74.52	73.90	73.39	73.27	74.73	74.68	75.38	75.22	75.49	75.44	74.37
2	74.55	74.55	73.82	73.38	73.48	74.83	74.63	75.44	75.14	75.40	75.49	74.62
3	74.57	74.57	73.80	73.38	73.47	74.97	74.62	75.51	75.11	75.41	75.40	74.73
4	74.54	74.55	73.94	73.37	73.55	74.83	74.72	75.41	75.06	75.32	75.24	74.73
5	74.46	74.49	73.89	73.45	73.66	74.65	74.63	75.38	75.06	75.28	75.24	74.76
6	74.43	74.52	73.81	73.47	73.73	74.67	74.56	75.31	75.03	75.21	75.24	74.74
7	74.41	74.47	73.78	73.19	74.04	74.80	74.58	75.22	75.02	75.28	75.29	74.48
8	74.43	74.43	73.79	73.28	73.87	74.75	74.67	75.20	75.00	75.27	75.24	74.21
9	74.40	74.43	73.95	73.23	73.78	74.72	74.60	75.26	75.10	75.34	75.23	74.03
10	74.37	74.41	73.98	73.07	73.78	74.62	74.67	75.21	75.02	75.31	75.22	73.86
11	74.31	74.39	74.00	72.97	73.75	74.57	74.69	75.33	75.05	75.42	75.18	73.60
12	74.49	74.38	73.75	73.16	73.90	74.63	74.75	75.34	75.01	75.39	75.05	73.37
13	74.44	74.54	73.84	73.16	73.94	74.64	74.79	75.32	75.04	75.38	74.53	73.41
14	74.51	74.28	73.96	73.17	74.12	74.62	74.88	75.32	75.02	75.37	74.66	73.58
15	74.47	74.27	73.84	73.15	74.12	74.60	74.80	75.31	75.01	75.35	74.92	73.72
16	74.45	74.25	73.74	73.15	74.07	74.57	74.77	75.33	75.09	75.25	75.00	73.89
17	74.46	74.36	73.64	73.18	74.05	74.66	74.91	75.32	75.04	75.42	75.00	74.03
18	74.51	74.18	73.62	73.20	73.92	74.60	75.00	75.36	75.16	75.46	75.04	74.23
19	74.52	74.34	73.56	73.14	73.79	74.55	75.07	75.37	75.20	75.45	75.15	74.37
20	74.46	74.23	73.42	72.97	73.78	74.60	75.09	75.31	75.25	75.44	75.19	74.58
21	74.42	74.21	73.33	72.93	74.08	74.77	75.07	75.29	75.27	75.41	75.22	74.73
22	74.41	74.23	73.52	72.97	74.24	74.56	75.14	75.31	75.29	75.37	75.28	74.79
23	74.29	74.21	73.61	72.88	74.35	74.52	75.10	75.41	75.32	75.41	75.28	75.01
24	74.25	74.26	73.69	72.88	74.44	74.53	75.17	75.35	75.26	75.40	75.28	75.02
25	74.26	74.06	73.55	72.84	74.39	74.55	75.21	75.40	75.19	75.41	75.28	75.03
26	74.21	74.07	73.44	73.04	74.62	74.53	75.40	75.41	75.32	75.35	75.25	74.93
27	74.23	74.09	73.33	73.12	74.63	74.60	75.41	75.34	75.38	75.29	75.25	74.84
28	74.54	74.11	73.32	72.90	74.52	74.55	75.30	75.33	75.41	75.31	75.22	74.84
29	74.51	74.05	73.29	73.03	74.62	74.62	75.26	75.31	75.46	75.31	75.48	74.80
30	74.48	73.92	73.24	73.22	---	74.56	75.26	75.29	75.41	75.37	75.10	74.75
31	74.51	---	73.42	73.21	---	74.71	---	75.28	---	75.43	74.59	---
MAX	74.59	74.57	74.00	73.47	74.63	74.97	75.41	75.51	75.46	75.49	75.49	75.03
MIN	74.21	73.92	73.24	72.84	73.27	74.52	74.56	75.20	75.00	75.21	74.53	73.37
	27.0	25.6	24.4	23.9	27.3	27.5	28.8	28.8	29.1	29.2	27.2	27.6
	-37.3	-540	-448	-187	+1360	+74.7	+502	0.00	+116	+37.3	-747	+154

CAL YR 2003 * +41.2 MAX 75.58 MIN 72.65
WTR YR 2004 * +15.8 MAX 75.51 MIN 72.84

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