

RESERVOIRS IN TENNESSEE RIVER BASIN

03468500 DOUGLAS LAKE.--Lat 35°57'40", long 83°32'20", Sevier County, Hydrologic Unit 06010107, at Douglas Dam on French Broad River, 6.5 mi north of Sevierville, and at mile 32.3. DRAINAGE AREA, 4,541 mi². PERIOD OF RECORD, February 1943 to current year. GAGE,water-stage recorder. Datum of gage is sea level.
 REMARKS.--Reservoir formed by concrete main dam and 10 saddle dams. Spillway equipped with 11 radial gates, each 32 ft high by 40 ft wide and 8 sluice gates 10 ft high by 5.67 ft wide. Closure of dam was made Feb. 19, 1943; water in reservoir first reached minimum pool elevation Feb. 25, 1943. Revised capacity table put into use Jan. 1, 1971. Total capacity at elevation 1,002.00 ft, top of gates, is 743,600 cfs-days, of which 631,200 cfs-days is controlled storage above elevation 940.00 ft, normal minimum pool. Reservoir is used for navigation, flood control, and power.
 COOPERATION.--Records furnished by Tennessee Valley Authority.
 EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 760,000 cfs-days, July 25, 1949, elevation, 1,001.79 ft; minimum after first filling, 1,000 cfs-days, Jan. 16, 1956, elevation, 883.7 ft, estimated.
 EXTREMES FOR CURRENT YEAR.--Maximum contents, 693,300 cfs-days, Sept. 20, elevation, 999.18 ft; minimum, 112,000 cfs-days, Jan. 23, elevation, 941.25 ft.

03476000 SOUTH HOLSTON LAKE.--Lat 36°31'15", long 82°05'11", Sullivan County, Hydrologic Unit 06010102, 470 ft upstream from South Holston Dam on South Fork Holston River, 7.0 mi southeast of Bristol, Virginia-Tennessee, and at mile 49.8. DRAINAGE AREA, 703 mi². PERIOD OF RECORD, November 1950 to current year. GAGE, water-stage recorder. Datum of gage is sea level. Prior to May 11, 1951, non-recording gage at same site and datum.
 REMARKS.--Reservoir is formed by rock and rolled earthfill dam. Spillway is uncontrolled morning-glory type, 128 ft in diameter with six piers, each 3 ft wide to guide flow spilling into a concrete-lined shaft and tunnel 34 ft in diameter. Closure of dam was made Nov. 20, 1950; water in reservoir first reached minimum pool elevation Jan. 25, 1951. Revised capacity table put into use Jan. 1, 1971. Total capacity at elevation 1,742.00 ft, spillway crest, is 385,200 cfs-days, of which 220,800 cfs-days is controlled storage above elevation 1,675.00 ft, normal minimum pool. Reservoir is used for navigation, flood control, and power.
 COOPERATION.--Records furnished by Tennessee Valley Authority.
 EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 363,800 cfs-days, May 10, 1984, elevation, 1,736.86 ft; minimum after first filling, 57,700 cfs-days, Jan. 13, 1956, elevation, 1,614.15 ft.
 EXTREMES FOR CURRENT YEAR.--Maximum contents, 339,600 cfs-days, June 27, elevation 1,731.05 ft: minimum, 232,300 cfs-days, Feb. 2, elevation, 1,699.86 ft.

03483500 WATAUGA LAKE.--Lat 36°19'20", long 82°07'16", Carter County, Hydrologic Unit 06010103, at Watauga Dam on Watauga River, 5 mi east of Elizabethton, and at mile 36.7. DRAINAGE AREA, 468 mi². PERIOD OF RECORD, December 1948 to current year. GAGE, water-stage recorder. Datum of gage is sea level.
 REMARKS.--Reservoir is formed by rock and rolled earthfill dam. Spillway is uncontrolled morning-glory type, 128 ft in diameter with six piers, each 3 ft wide to guide flow spilling into a concrete-lined shaft and tunnel 34 ft in diameter. Closure of dam was made Dec. 1, 1948; water in reservoir first reached minimum pool elevation Dec. 31, 1948. Revised capacity table put into use Jan. 1, 1971. Total capacity at elevation 1,975.00 ft, spillway crest, is 341,300 cfs-days, of which 178,500 cfs-days is controlled storage above elevation 1,915.00 ft, normal minimum pool. Reservoir is used for navigation, flood control, and power.
 COOPERATION.--Records furnished by Tennessee Valley Authority.
 EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 300,800 cfs-days, Apr. 19, 1987, elevation, 1,963.28 ft; minimum after first filling, 25,100 cfs-days, Jan. 13, 1956, elevation, 1,813.47 ft.
 EXTREMES FOR CURRENT YEAR.--Maximum contents, 301,000 cfs-days, Sept. 19, elevation, 1,963.34 ft; minimum, 218,400 cfs-days, Jan. 29, elevation, 1,936.27 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)
	03468500 DOUGLAS LAKE			03476000 SOUTH HOLSTON LAKE			03483500 WATAUGA LAKE		
Sept. 30...	972.98	360,000	-	1,716.04	284,600	-	1,949.20	255,700	-
Oct. 31...	953.28	185,900	-174,100	1,706.82	254,000	-30,600	1,939.81	228,400	-27,300
Nov. 30...	958.35	224,500	+38,600	1,712.98	274,200	+20,200	1,945.62	245,100	+16,700
Dec. 31...	945.02	132,500	-92,000	1,704.36	246,200	-28,000	1,940.30	229,700	-15,500
CAL YR 2003	-	-	-3,800	-	-	-7,500	-	-	-6,100
Jan. 31...	942.99	121,200	-11,300	1,700.47	234,200	-12,000	1,936.56	219,200	-10,500
Feb. 29...	949.12	157,600	+36,400	1,709.83	263,700	+29,500	1,945.02	243,300	+24,100
Mar. 31...	966.66	297,300	+139,700	1,716.09	284,800	+21,100	1,949.45	256,500	+13,200
Apr. 30...	985.46	502,100	+204,800	1,729.12	332,200	+47,400	1,956.90	279,800	+23,300
May 31...	994.56	624,900	+122,800	1,729.76	334,600	+2,400	1,959.39	287,900	+8,100
June 30...	994.14	618,800	-6,100	1,730.32	336,800	+2,200	1,959.98	289,800	+1,900
July 31...	991.78	585,500	-33,300	1,729.00	331,700	-5,100	1,958.41	284,700	-5,100
Aug. 31...	986.06	509,700	-75,800	1,723.43	310,800	-20,900	1,953.31	268,400	-16,300
Sept. 30...	994.42	622,900	+113,200	1,722.96	309,100	-1,700	1,958.51	285,000	+16,600
WTR YR 2004	-	-	+262,900	-	-	+24,500	-	-	+29,300

RESERVOIRS IN TENNESSEE RIVER BASIN--Continued

03486800 BOONE LAKE.--Lat 36°26'26", long 82°26'16", Sullivan County, Hydrologic Unit 06010102, at Boone Dam on South Fork Holston River, 0.7 mi northeast of Spurgeon, 1.3 mi downstream from Watauga River, and at mile 18.6. DRAINAGE AREA, 1,840 mi². PERIOD OF RECORD, December 1952 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by gravity nonover-flow type concrete dam. Spillway is equipped with five radial gates, each 35 ft high by 35 ft wide. Storage began Dec. 16, 1952; water in reservoir first reached minimum pool elevation Jan. 5, 1953. Revised capacity table put into use Jan. 1, 1971. Total capacity at elevation 1,385.0 ft, top of gates, is 97,500 cfs-days, of which 74,800 cfs-days is controlled storage above elevation 1,330 ft, normal minimum pool. Reservoir is used for navigation, flood control, and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 99,100 cfs-days, May 19, 1964, elevation 1,384.99 ft; minimum after first filling, 21,300 cfs-days, Jan. 23, 1956, elevation, 1,327.06 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 94,700 cfs-days, June 28, elevation, 1,383.73 ft; minimum, 45,400 cfs-days, Jan. 20, elevation, 1,353.56 ft.

03487000 FORT PATRICK HENRY LAKE.--Lat 36°29'53", long 82°30'32", Sullivan County, Hydrologic Unit 06010102, at Fort Patrick Henry Dam on South Fork Holston River, 0.2 mi upstream from bridge on U. S. Highway 23, 4.5 mi southeast of Kingsport, and at mile 8.2. DRAINAGE AREA, 1,903 mi². PERIOD OF RECORD, October 1953 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by gravity nonover-flow type concrete dam. Spillway is equipped with five radial gates, each 35 ft high by 35 ft wide. Storage began Oct. 27, 1953; water in reservoir first reached minimum pool elevation Dec. 8, 1953. Revised capacity table put into use Jan. 1, 1971. Total capacity at elevation 1,263 ft, top of gates, is 13,600 cfs-days, of which 2,200 cfs-days is controlled storage above elevation 1,258 ft, normal minimum pool. Reservoir is used for navigation, flood control and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 14,000 cfs-days, Feb. 11, 1954, elevation, 1,263.80 ft, minimum after first filling, 2,300 cfs-days, Dec. 4, 2002, elevation, 1,223.86 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 13,600 cfs-days, June 27, elevation, 1,263.14 ft; minimum, 10,800 cfs-days, Aug. 27, elevation, 1,256.50 ft.

03493500 CHEROKEE LAKE.--Lat 36°10'00", long 83°29'55", Jefferson County, Hydrologic Unit 06010104, at Cherokee Dam on Holston River, 0.3 mi upstream from bridge on State Highway 92, 2.7 mi upstream from Mill Spring Creek, 2.8 mi north of Jefferson City, and at mile 52.3. DRAINAGE AREA, 3,429 mi². PERIOD OF RECORD, December 1941 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete dam with riprapped earth embankments. Spillway equipped with nine radial gates, each 32 ft high by 40 ft wide. Storage began Dec. 5, 1941; water in reservoir first reached minimum pool elevation Jan. 6, 1942. Revised capacity table put into use Jan. 1, 1971. Total capacity at elevation 1,075.0 ft, top of gates, is 778,400 cfs-days, of which 580,300 cfs-days is controlled storage above elevation 1,020.0 ft, normal minimum pool. Reservoir is used for navigation, flood control, and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 779,400 cfs-days, May 11, 1944, maximum elevation, 1,074.47 ft May 30, 1973; minimum after first filling, 48,400 cfs-days, Jan. 7, 1954, elevation, 980.77 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 722,800 cfs-days, June 7, elevation, 1,071.37 ft; minimum, 254,500 cfs-days, Jan. 23, elevation, 1,028.36 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)
	03486800 BOONE LAKE			03487000 FORT PATRICK HENRY LAKE			03493500 CHEROKEE LAKE		
Sept. 30...	1,377.39	81,800	-	1,261.82	13,000	-	1,057.35	536,000	-
Oct. 31...	1,370.15	68,900	-12,900	1,262.49	13,300	+300	1,043.50	384,200	-151,800
Nov. 30...	1,363.16	58,100	-10,800	1,260.18	12,300	-1,000	1,042.88	378,200	-6,000
Dec. 31...	1,354.35	46,400	-11,700	1,259.22	11,900	-400	1,032.00	282,300	-95,900
CAL YR 2003	-	-	-4,300	-	-	+9,100	-	-	-22,000
Jan. 31...	1,355.73	48,100	+1,700	1,259.89	12,200	+300	1,032.36	285,200	+2,900
Feb. 29...	1,364.27	59,700	+11,600	1,261.06	12,700	+500	1,038.67	338,800	+53,600
Mar. 31...	1,374.41	76,300	+16,600	1,261.16	12,800	+100	1,047.77	427,600	+88,800
Apr. 30...	1,380.82	88,600	+12,300	1,261.21	12,800	0	1,061.09	582,500	+154,900
May 31...	1,382.74	92,600	+4,000	1,260.76	12,600	-200	1,068.26	678,300	+95,800
June 30...	1,381.75	90,500	-2,100	1,261.02	12,700	+100	1,070.47	709,700	+31,400
July 31...	1,381.96	90,900	+400	1,262.01	13,100	+400	1,068.92	687,600	-22,100
Aug. 31...	1,381.76	90,500	-400	1,260.38	12,400	-700	1,062.29	597,900	-89,700
Sept. 30...	1,378.49	83,900	-6,600	1,259.87	12,200	-200	1,063.93	619,400	+21,500
WTR YR 2004	-	-	+2,100	-	-	-800	-	-	+83,400

RESERVOIRS IN TENNESSEE RIVER BASIN--Continued

03499500 FORT LOUDOUN LAKE.--Lat 35°47'30", long 84°14'35", Loudon County, Hydrologic Unit 06010201, at Fort Loudoun Dam on Tennessee River, 1 mi northeast of Lenoir City, and at mile 602.3. DRAINAGE AREA, 9,550 mi². PERIOD OF RECORD, July 1943 to current year. GAGE, water-stage recorder. Datum of gage is sea level.
 REMARKS.--Reservoir formed by concrete dam with earth embankment. Spillway equipped with 14 radial gates, each 32 ft high by 40 ft wide. Closure of dam was made Aug. 2, 1943; water in reservoir first reached ordinary minimum pool elevation Sept. 4, 1943. Revised capacity table put into use Jan. 19, 1980. Total level pool capacity at elevation 815.00 ft, top of gates, is 424,000 cfs-days, of which 120,000 cfs-days is controlled flood storage above elevation 807.00 ft, minimum navigation pool. Reservoir is used for navigation, flood control, and power. Tellico-Fort Loudoun canal was opened Jan. 19, 1980. Canal is 1,000 ft long, and interconnects Tellico and Fort Loudoun Lakes at the dam. Spillway gates of Tellico Dam were closed Feb. 7, 1980, diverting all flow from Little Tennessee River.
 COOPERATION.--Records furnished by Tennessee Valley Authority.
 EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 815.87 ft, May 7, 2003; minimum after first filling, 805.54 ft, Jan. 18, 1954.
 EXTREMES FOR CURRENT YEAR.--Maximum contents, 186,500 cfs-days, June 19 ; maximum elevation, 813.62 ft, June 27; minimum contents, 143,900 cfs-days, Feb. 5, minimum elevation, 807.15 ft, Feb. 6. Contents based on backwater profile.

03519800 TELLICO LAKE.--Lat 35°46'53", long 84°15'10", Loudon County, Hydrologic Unit 06010201, at Tellico Dam on Little Tennessee River, 1.1 mi south of Lenoir City, and at mile 0.4. DRAINAGE AREA, 2,627 mi². PERIOD OF RECORD, December 1979 to current year. GAGE, water-stage recorder. Datum of gage is sea level.
 REMARKS.--Reservoir formed by concrete dam with earth embankment. Spillway equipped with 3 radial gates, each 42 ft high by 40 ft wide. Closure of dam was made Nov. 29, 1979; water in reservoir first reached ordinary minimum pool elevation Dec. 24, 1979. Total capacity at elevation 815.00 ft, top of gates, is 225,500 cfs-days, of which 63,800 cfs-days is controlled storage above elevation 807.00 ft, minimum navigation pool. Reservoir is used for navigation, flood control, and indirectly, power. Tellico-Fort Loudoun canal was opened Jan. 19, 1980. Canal is 1,000 ft long, and interconnects Tellico and Fort Loudoun Lakes at the dam. Spillway gates of Tellico Dam were closed Feb. 7, 1980, diverting all flow from Little Tennessee River.
 COOPERATION.--Records furnished by Tennessee Valley Authority.
 EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 228,700 cfs-days, May 8, 1984, elevation, 815.37 ft; maximum elevation, 816.04 ft, on May 8, 2003; minimum after first filling, 155,300 cfs-days, Feb. 17, 1997, elevation, 807.30 ft; minimum elevation, 806.96 ft, Jan. 14, 1980.
 EXTREMES FOR CURRENT YEAR.--Maximum contents, 203,300 cfs-days, June 27, elevation, 813.72 ft; minimum, 154,900 cfs-days, Feb. 6, elevation, 807.24 ft.

03532500 NORRIS LAKE.--Lat 36°13'29", long 84°05'29", Anderson County, Hydrologic Unit 06010205, at Norris Dam on Clinch River, 2.5 mi northwest of Norris, and at mile 79.8. DRAINAGE AREA, 2,912 mi². PERIOD OF RECORD, June 1935 to current year. GAGE, water-stage recorder. Datum of stage is 0.11 ft above sea level. Gage readings have been reduced to sea level.
 REMARKS.--Reservoir is formed by concrete gravity dam with three drum gates, each 100 ft wide by 14 ft high. Some storage began in June 1935; dam was completely closed and placed in operation Mar. 4, 1936; water in reservoir first reached minimum pool elevation Mar. 24, 1936 Revised capacity table put into use Jan. 1, 1971. Total capacity at elevation 1,034.11 ft, top of gates, is 1,286,600 cfs-days, of which 969,000 cfs-days is controlled storage above elevation 960.11 ft normal minimum pool. Reservoir is used for navigation, flood control, and power.
 COOPERATION.--Records furnished by Tennessee Valley Authority.
 EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,236,700 cfs-days, Feb. 11, 1937, elevation, 1,031.21 ft; minimum after first filling, 75,500 cfs-days, Jan. 24, 1956, elevation, 909.46 ft.
 EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,070,900 cfs-days, June 7, elevation, 1,022.56 ft; minimum, 586,400 cfs-days, Jan. 31, elevation, 988.79 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	*03499500 FORT LOUDOUN LAKE			03519800 TELLICO LAKE			03532500 NORRIS LAKE		
	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)
Sept. 30...	812.38	179,300	-	812.49	193,600	-	1,008.28	840,300	-
Oct. 31...	812.74	182,400	+3,100	812.89	196,800	+3,200	1,001.41	743,000	-97,300
Nov. 30...	809.32	157,700	-24,700	809.52	171,200	-25,600	996.99	684,700	-58,300
Dec. 31...	809.62	159,500	+1,800	809.78	173,100	+1,900	991.21	613,400	-71,300
CAL YR 2003	-	-	+10,000	-	-	+12,800	-	-	-38,500
Jan. 31...	808.52	151,800	-7,700	808.63	164,700	-8,400	988.97	587,200	-26,200
Feb. 29...	808.23	149,900	-1,900	808.32	162,500	-2,200	995.27	662,900	+75,700
Mar. 31...	808.84	153,900	+4,000	809.01	167,500	+5,000	1,005.33	797,500	+134,600
Apr. 30...	811.66	173,300	+19,400	811.79	188,200	+20,700	1,015.79	956,600	+159,100
May 31...	812.99	183,000	+9,700	813.14	198,700	+10,500	1,019.63	1,020,400	+63,800
June 30...	812.73	183,100	+100	812.76	195,800	-2,900	1,021.57	1,053,600	+33,200
July 31...	812.74	181,400	-1,700	812.89	196,800	+1,000	1,019.70	1,021,500	-32,100
Aug. 31...	812.25	179,000	-2,400	812.48	193,600	-3,200	1,013.74	923,800	-97,700
Sept. 30...	812.30	178,400	-600	812.52	193,900	+300	1,011.84	894,100	-29,700
WTR YR 2004	-	-	-900	-	-	+300	-	-	+53,800

* Contents based on backwater profile.

RESERVOIRS IN TENNESSEE RIVER BASIN--Continued

03535900 MELTON HILL LAKE.--Lat 35°53'04", long 84°18'01", Loudon-Roane County line, Hydrologic Unit 06010207, 9 mi southwest of Oak Ridge, 19 mi west of Knoxville, 57 mi downstream from Norris Dam on Clinch River, and at mile 23.1. DRAINAGE AREA, 3,343 mi². PERIOD OF RECORD, August 1962 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete gravity dam. Spillway is equipped with three radial gates, each 42 ft high by 40 ft wide. Dam completed and storage began May 1, 1963; water in reservoir first reached minimum pool elevation May 23, 1963. Revised capacity table put into use Jan. 1, 1971. Total capacity at elevation 796 ft, top of gates, is 63,500 cfs-days, of which 16,100 cfs-days is controlled storage above elevation 790.0 ft, normal minimum pool. Reservoir is used for navigation, power, and recreation.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 64,900 cfs-days, Mar. 16, 1973, elevation, 796.45 ft; minimum after first filling, 35,100 cfs-days, Feb. 9, 1966, elevation, 784.10 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 61,400 cfs-days, Jan. 5, elevation, 795.31 ft; minimum, 49,700 cfs-days, Mar. 27, elevation, 790.94 ft.

03543000 WATTS BAR LAKE.--Lat 35°37'13", long 84°47'00", Rhea County, Hydrologic Unit 06010201, at Watts Bar Dam on Tennessee River, 6.5 mi southeast of Spring City, 72.4 mi downstream from Fort Loudoun Dam, and at mile 529.9. DRAINAGE AREA, 17,310 mi², approximately. PERIOD OF RECORD, October 1941 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete dam with riprapped earth embankments. Spillway equipped with 20 radial gates, each 32 ft high by 40 ft wide, also one 2-section leaf trashway gate 16.3 ft high by 24 ft wide. Storage began with partial closure Dec. 12, 1941, and final closure Jan. 1, 1942; water in reservoir first reached minimum navigation pool elevation Feb. 17, 1942. Revised capacity table put into use Jan. 1, 1971. Total level pool capacity at elevation 745.0 ft, top of gates, is 592,400 cfs-days, of which 191,000 cfs-days is controlled flood storage above elevation 735.0 ft, minimum navigation pool. Reservoir is used for navigation, flood control, and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 747.35 ft, May 7, 2003; minimum after first filling, 733.44 ft, Mar. 20, 1945.

EXTREMES FOR CURRENT YEAR.--Maximum midnight contents, 571,500 cfs-days, Sept. 18; maximum elevation, 744.32 ft, Sept. 18; minimum midnight contents, 413,800 cfs-days, Feb. 28; minimum elevation, 735.53 ft, Feb. 28. Contents based on backwater profile.

03564000 LAKE OCOEE.--Lat 35°05'40", long 84°38'53", Polk County, Hydrologic Unit 06020003, at Lake Ocoee Dam on Ocoee River at Parksville, 13.8 mi east of Cleveland, and at mile 11.9. DRAINAGE AREA, 595 mi². PERIOD OF RECORD, June 1914 to current year. Prior to October 1953, published as "Parksville (Ocoee No. 1) Reservoir," and October 1953 to September 1968, as "Parksville Lake." GAGE, nonrecording gage. Datum of gage is 6.89 ft above sea level. Gage readings have been reduced to sea level.

REMARKS.--Reservoir is formed by concrete dam with 347 ft of spillway. Spillway is equipped with four floodgates, each 6 ft high by 20 ft wide and 265 ft of flashboards about 5.7 ft high. Crest of spillway under gates is at elevation 830.82 ft; remainder of spillway is 1.0 ft higher. Dam completed and storage began in 1911. Capacity of reservoir has been considerably reduced by silting. Revised capacity table put into use Jan. 1, 1979. Total capacity at elevation 837.55 ft, about top of flashboards, is 42,300 cfs-days, of which 15,600 cfs-days is controlled storage above elevation 817.9 ft, normal minimum pool. Reservoir is used for power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum midnight contents observed, 53,300 cfs-days, July 9, 1916; maximum midnight elevation observed, 840.2 ft, Feb. 10, 1946; minimum contents observed, 27,300 cfs-days, Jan. 27, 1956, elevation, 817.7 ft; minimum midnight elevation observed, 814.8 ft, Dec. 14, 1934.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 43,700 cfs-days, Sept. 17, elevation, 839.31 ft; minimum 32,400 cfs-days, Feb. 5, elevation, 826.81 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)
	03535900 MELTON HILL LAKE			*03543000 WATTS BAR LAKE			03564000 LAKE OCOEE		
Sept. 30...	792.38	53,300	-	741.03	510,500	-	833.89	38,400	-
Oct. 31...	793.27	55,600	+2,300	740.05	491,500	-19,000	834.81	39,200	+800
Nov. 30...	793.70	56,800	+1,200	737.58	447,500	-44,000	829.50	34,500	-4,700
Dec. 31...	792.82	54,400	-2,400	736.14	422,300	-25,200	827.38	32,800	-1,700
CAL YR 2003	-	-	-1,200	-	-	+4,300	-	-	+200
Jan. 31...	793.83	57,200	+2,800	737.60	445,600	+23,300	828.05	33,300	+500
Feb. 29...	793.87	57,300	+100	736.16	420,600	-25,000	828.02	33,300	0
Mar. 31...	791.31	50,600	-6,700	737.80	449,400	+28,800	829.69	34,600	+1,300
Apr. 30...	793.68	56,700	+6,100	740.60	501,400	+52,000	835.44	39,800	+5,200
May 31...	794.40	58,800	+2,100	741.26	514,400	+13,000	835.71	40,100	+300
June 30...	793.91	57,400	-1,400	740.28	496,400	-18,000	835.67	40,100	0
July 31...	794.61	59,400	+2,000	741.18	512,800	+16,400	835.48	39,900	-200
Aug. 31...	793.91	57,400	-2,000	740.50	500,600	-12,200	835.26	39,600	-300
Sept. 30...	794.11	57,900	+500	740.11	493,300	-7,300	834.67	39,100	-500
WTR YR 2004	-	-	+4,600	-	-	-17,200	-	-	+700

* Contents based on backwater profile.

RESERVOIRS IN TENNESSEE RIVER BASIN--Continued

03566500 CHICKAMAUGA LAKE.--Lat 35°06'07", long 85°13'42", Hamilton County, Hydrologic Unit 06020001, at Chickamauga Dam on Tennessee River, 5.8 mi northeast of Chattanooga, 58.9 mi downstream from Watts Bar Dam, and at mile 471.0. DRAINAGE AREA, 20,790 mi², approximately. PERIOD OF RECORD, October 1939 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete dam with riprapped earth embankments. Spillway equipped with eighteen 2-section lift gates, each 40.44 ft high by 40 ft wide. Storage began Feb. 6, 1940; water in reservoir first reached minimum navigation pool elevation Mar. 10, 1940. Revised capacity table put into use Jan. 1, 1971. Total level pool capacity at elevation 685.44 ft, top of gates, is 372,600 cfs-days, of which 175,000 cfs-days is controlled flood storage above elevation 675.0 ft, minimum navigation pool. Reservoir is used for navigation, flood control, and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 687.13 ft, May 7, 2003; minimum after first filling, 673.27 ft, Jan. 21, 1942.

EXTREMES FOR CURRENT YEAR.--Maximum midnight contents, 341,700 cfs-days, Sept. 17; maximum elevation, 683.76 ft, Sept. 17; minimum midnight contents, 215,800 cfs-days, Mar. 29; minimum elevation, 676.01 ft, Mar. 27. Contents based on backwater profile.

03570520 NICKAJACK LAKE.--Lat 35°00'07", long 85°37'14", Marion County, Hydrologic Unit 06020001, at Nickajack Dam on Tennessee River, 2 mi upstream from Sequatchie River, 5 mi south of Jasper, 46.3 mi downstream from Chickamauga Dam, and at mile 424.7. DRAINAGE AREA, 21,870 mi², approximately. PERIOD OF RECORD, December 1967 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete dam with earth embankments on each side. The spillway, with crest at elevation 595.0 ft, is equipped with 10 radial gates, each 40 ft high by 40 ft wide. A trash gate, 5.5 ft high by 15 ft wide, is located between the spillway and powerhouse. Dam was completed and storage began on Dec. 14, 1967. Revised capacity table put into use Jan. 1, 1971. Total level pool capacity at elevation 635.0 ft, top of gates, is 127,200 cfs-days, of which 16,200 cfs-days is controlled storage above elevation 632.0 ft, ordinary minimum. Reservoir is used for navigation and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 634.99 ft, Apr. 19, 1969; minimum after first filling, 630.82 ft, Feb. 20, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum midnight contents, 161,500 cfs-days, Sept. 17; maximum elevation, 634.59 ft, Sept. 17; minimum midnight contents, 114,500 cfs-days, Feb. 16; minimum elevation, 631.82 ft, Sept. 19. Contents based on backwater profile.

03579000 WOODS RESERVOIR.--Lat 35°17'54", long 86°05'48", Franklin County, Hydrologic Unit 06030003, at Elk River Dam on Elk River, 1.2 mi upstream from Spring Creek, 2.5 mi northeast of Estill Springs, 6.8 mi upstream from bridge on U.S. Highway 41-A, and at mile 170.0. DRAINAGE AREA, 263 mi². PERIOD OF RECORD, May 1952 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete gravity and earthfill-type dam with riprapped embankments. Spillway equipped with three radial gates, each 25 ft high by 50 ft wide, and two sluice gates, each 6 ft high by 4 ft wide. Closure of dam was made May 1, 1952; water in reservoir first reached minimum pool elevation Feb. 6, 1953. Total capacity at elevation 962.0 ft, surcharge pool, is 44,400 cfs-days, of which 9,900 cfs-days is controlled storage above elevation 957.0 ft, normal minimum pool. Reservoir is used for cooling water, flood control, and recreational purposes.

COOPERATION.--Twice-daily gage readings (0600 and 2400 hours) furnished by U.S. Air Force.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 42,300 cfs-days, April 21 and 22, 1956, elevation, 960.98 ft; minimum after first filling, 26,300 cfs-days, Nov. 8-11, 1953, elevation, 951.93 ft.

EXTREMES FOR CURRENT YEAR.--Maximum midnight contents, 40,700 cfs-days, Aug. 3, elevation, 960.20 ft; minimum midnight contents, 36,000 cfs-days, Dec. 12; elevation, 957.81 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)
	*03566500 CHICKAMAUGA LAKE			*03570520 NICKAJACK LAKE			03579000 WOODS RESERVOIR		
Sept. 30...	681.31	292,700	-	633.93	122,300	-	959.49	39,200	-
Oct. 31...	678.40	247,000	-45,700	633.70	122,100	-200	958.70	37,700	-1,500
Nov. 30...	678.42	251,300	+4,300	632.85	120,600	-1,500	958.17	36,700	-1,000
Dec. 31...	679.32	263,200	+11,900	632.61	118,100	-2,500	958.25	36,900	+200
CAL YR 2003	-	-	+44,800	-	-	-1,800	-	-	+500
Jan. 31...	677.22	228,000	-35,200	633.44	121,100	+3,000	958.00	36,400	-500
Feb. 29...	676.91	223,500	-4,500	634.16	122,300	+1,200	957.97	36,300	-100
Mar. 31...	677.33	230,200	+6,700	633.81	121,100	-1,200	959.58	39,400	+3,100
Apr. 30...	681.63	298,300	+68,100	633.64	119,500	-1,600	959.44	39,200	-200
May 31...	682.40	312,000	+13,700	634.09	121,900	+2,400	959.54	39,400	+200
June 30...	683.11	327,700	+15,700	634.03	124,200	+2,300	959.51	39,300	-100
July 31...	681.90	304,800	-22,900	634.24	124,700	+500	959.59	39,500	+200
Aug. 31...	682.24	313,000	+8,200	634.01	123,400	-1,300	959.59	39,500	0
Sept. 30...	680.91	290,900	-22,100	633.64	122,800	-600	958.02	36,400	-3,100
WTR YR 2004	-	-	-1,800	-	-	+500	-	-	-2,800

* Contents based on backwater profile.

RESERVOIRS IN TENNESSEE RIVER BASIN--Continued

03580740 TIMS FORD LAKE.--Lat 35°11'51", long 86°16'41", Franklin County, Hydrologic Unit 06030003, in intake tower near left bank at Tims Ford Dam on Elk River, 0.4 mi upstream from bridge on State Highway 50, 9.5 mi west of Winchester, and at mile 133.4. DRAINAGE AREA, 529 mi². PERIOD OF RECORD, December 1970 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete dam with compacted rockfill impervious earth core embankments. Spillway equipped with three radial gates, each 42 ft high by 40 ft wide. Storage began Dec. 1, 1970; water in reservoir first reached minimum pool elevation Feb. 23, 1971, and first filling was completed June 3, 1971. Total capacity at elevation 895 ft, top of gates, is 306,500 cfs-days, of which 142,400 cfs-days is controlled storage above elevation 865 ft, normal minimum pool. Reservoir is used for flood control, power, and recreation.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 302,300 cfs-days, May 7, 2003, elevation, 894.27 ft; minimum after first filling 130,600 cfs-days, Dec. 1, 1997, elevation, 855.25 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 280,600 cfs-days, June 28, elevation, 890.44 ft; minimum, 183,700 cfs-days, Dec. 22, elevation, 870.05 ft.

03593000 PICKWICK LAKE.--Lat 35°04'16", long 88°15'04", Hardin County, Hydrologic Unit 06040001, at Pickwick Landing Dam on Tennessee River, 1.5 mi north of town of Pickwick Dam, 6.1 mi upstream from Lick Creek, 52.7 mi downstream from Wilson Dam, and at mile 206.7. DRAINAGE AREA, 38,820 mi², approximately. PERIOD OF RECORD, October 1937 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete dam with riprapped earth embankments. Spillway equipped with twenty-two 2-section lift gates, each 40 ft high by 40 ft wide, one of which is used as a trash gate. Dam completed and storage began Feb. 8, 1938; water in reservoir first reached minimum pool elevation Feb. 18, 1938. Revised capacity table put into use Jan. 1, 1971. Total level pool capacity at elevation 418.0 ft, top of gates, is 557,100 cfs-days, of which 210,200 cfs-days is controlled flood storage above elevation 408.0 ft, minimum navigation pool. Reservoir is used for navigation, flood control, and power.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 419.49 ft, Mar. 30, 1944; minimum after first filling, 407.12 ft, Dec. 18, 1944.

EXTREMES FOR CURRENT YEAR.--Maximum midnight contents, 651,000 cfs-days, Feb. 8; maximum elevation, 417.23 ft; Sept. 20, minimum midnight contents, 434,800 cfs-days, Jan. 24, minimum elevation, 408.02 ft, Dec. 30. Contents based on backwater profile.

03596460 NORMANDY LAKE.--Lat 35°27'55", long 86°14'55", Coffee County, Hydrologic Unit 06040002, at Normandy Dam on Duck River, 1.5 mi northeast of Normandy, 2.6 mi downstream from Riley Creek, 8 mi north of Tullahoma, and at mile 248.6. DRAINAGE AREA, 195 mi². PERIOD OF RECORD, January 1976 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete gravity dam with riprapped and rolled earthfill embankment on left side. Spillway is equipped with two radial gates, each 40 ft high by 36 ft wide. Storage began Jan. 5, 1976; water in reservoir first reached minimum pool elevation Mar. 22, 1976. Revised capacity table put into use Jan. 1, 1977. Total capacity at elevation 880 ft, top of gates, is 64,000 cfs-days, of which 30,400 cfs-days is controlled storage above elevation 859 ft, normal minimum pool. Reservoir is used for flood control, water supply, water-quality control, recreation, and shoreline development.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 63,800 cfs-days, Feb. 20, 1991, elevation, 880.12 ft; minimum after first filling, 26,800 cfs-days, Nov. 27, 1981, elevation, 853.12 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 61,500 cfs-days, June 26, elevation, 878.78 ft; minimum 39,100 cfs-days, Feb. 3, elevation, 863.78 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DATE	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)	Elevation (feet)	Contents (cfs-days)	Change in contents (cfs-days)
	03580740 TIMS FORD LAKE			*03593000 PICKWICK LAKE			03596460 NORMANDY LAKE		
Sept. 30...	884.24	247,600	-	411.11	494,800	-	874.01	53,800	-
Oct. 31...	880.25	228,100	-19,500	409.80	464,100	-30,700	871.65	50,100	-3,700
Nov. 30...	877.15	213,800	-14,300	412.23	524,500	+60,400	865.79	41,800	-8,300
Dec. 31...	871.26	188,600	-25,200	410.07	470,600	-53,900	864.89	40,600	-1,200
CAL YR 2003	-	-	-8,600	-	-	+19,500	-	-	+600
Jan. 31...	874.06	200,300	+11,700	410.63	484,000	+13,400	863.95	39,300	-1,300
Feb. 29...	877.11	213,600	+13,300	410.56	482,300	-1,700	864.14	39,600	+300
Mar. 31...	879.63	225,100	+11,500	413.01	539,000	+56,700	868.84	46,000	+6,400
Apr. 30...	886.26	258,000	+32,900	413.64	553,300	+14,300	874.93	55,200	+9,200
May 31...	888.59	270,400	+12,400	413.85	566,400	+13,100	875.08	55,400	+200
June 30...	889.28	274,200	+3,800	414.62	582,800	+16,400	875.33	55,800	+400
July 31...	887.66	265,400	-8,800	404.84	587,400	+4,600	874.95	55,200	-600
Aug. 31...	886.03	256,800	-8,600	413.33	547,700	-39,700	874.51	54,500	-700
Sept. 30...	884.63	249,600	-7,200	413.38	544,900	-2,800	872.19	51,000	-3,500
WTR YR 2004	-	-	+2,000	-	-	+50,100	-	-	-2,800

* Contents based on backwater profile.

RESERVOIRS IN TENNESSEE RIVER BASIN--Continued

03609000 KENTUCKY LAKE.--Lat 37°00'49", long 88°16'06", Marshall County, KY, Hydrologic Unit 06040006, at Kentucky Dam on Tennessee River at Gilbertsville, KY, and at mile 22.4. DRAINAGE AREA, 40,200 mi², approximately. PERIOD OF RECORD, July 1944 to current year. GAGE, water-stage recorder. Datum of gage is sea level.

REMARKS.--Reservoir is formed by concrete dam with 24 lift gates 50 ft high by 40 ft wide. Storage began Aug. 16, 1944, and final closure was Aug. 30, 1944. Water in reservoir reached minimum pool elevation Apr. 7, 1945. Revised capacity table put into use Jan. 1, 1971. Total level pool capacity at elevation 375.0 ft, top of gates, is 3,090,000 cfs-days, of which 2,020,700 cfs-days is controlled storage above 354.0 ft, ordinary minimum pool. Reservoir is used for navigation, flood control, and power. Barkley-Kentucky Canal opened July 13, 1966, for navigation and power use. Canal is 1.75 miles long and interconnects Lake Barkley and Kentucky Lake at a point 2.2 mi upstream from Barkley Dam. For daily discharges through the canal, see Kentucky reports.

COOPERATION.--Records furnished by Tennessee Valley Authority.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 369.87 ft, May 24, 1983; minimum after first filling, 348.02 ft, Mar. 11, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum midnight contents, 1,712,000 cfs-days Feb. 9; maximum elevation, 361.48 ft, June 10; minimum midnight contents, 1,095,700 cfs-days, Nov. 12, minimum elevation, 353.70 ft, Nov. 12.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Content (cfs-days)	Change contents (cfs-days)
*03609000 KENTUCKY LAKE			
Sept. 30...	355.38	1,197,800	-
Oct. 31...	354.84	1,128,200	-69,600
Nov. 30...	356.74	1,286,600	+158,400
Dec. 31...	354.48	1,133,100	-153,500
CAL YR 2003	-	-	-81,900
Jan. 31...	356.70	1,297,700	+164,600
Feb. 29...	254.48	1,108,000	-189,700
Mar. 31...	355.31	1,171,400	+63,400
Apr. 30...	359.66	1,473,600	+302,200
May 31...	358.99	1,428,500	-45,100
June 30...	359.80	1,537,500	+109,000
July 31...	358.00	1,351,500	-186,000
Aug. 31...	356.50	1,255,200	-96,300
Sept. 30...	356.13	1,240,800	-14,400
WTR YR 2004	-	-	+43,000

* Contents based on backwater profile.

OTHER RESERVOIRS.--The following small reservoirs in the Tennessee River basin are described below, but records of contents are not published herein.

03466400 DAVY CROCKETT LAKE on Nolichucky River at Nolichucky Dam, with a total capacity of 1,300 cfs-days, none of which is controlled storage.

03517900 CALDERWOOD LAKE on Little Tennessee River at Calderwood, with a total capacity of 20,800 cfs-days of which 840 cfs-days is controlled storage.

03518200 CHILHOWEE LAKE on Little Tennessee River at Chilhowee Dam, with a total capacity of 24,800 cfs-days of which 3,400 cfs-days is controlled storage.

03562500 OCOEE NO. 3 LAKE on Ocoee River at Ocoee No. 3 Dam, 5.0 miles west of Ducktown, with a total capacity of 1,660 cfs-days, of which 1,550 cfs-days is controlled storage. Records of contents previous to 1971 water year published as Ocoee No. 3 Lake near Ducktown, TN.

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