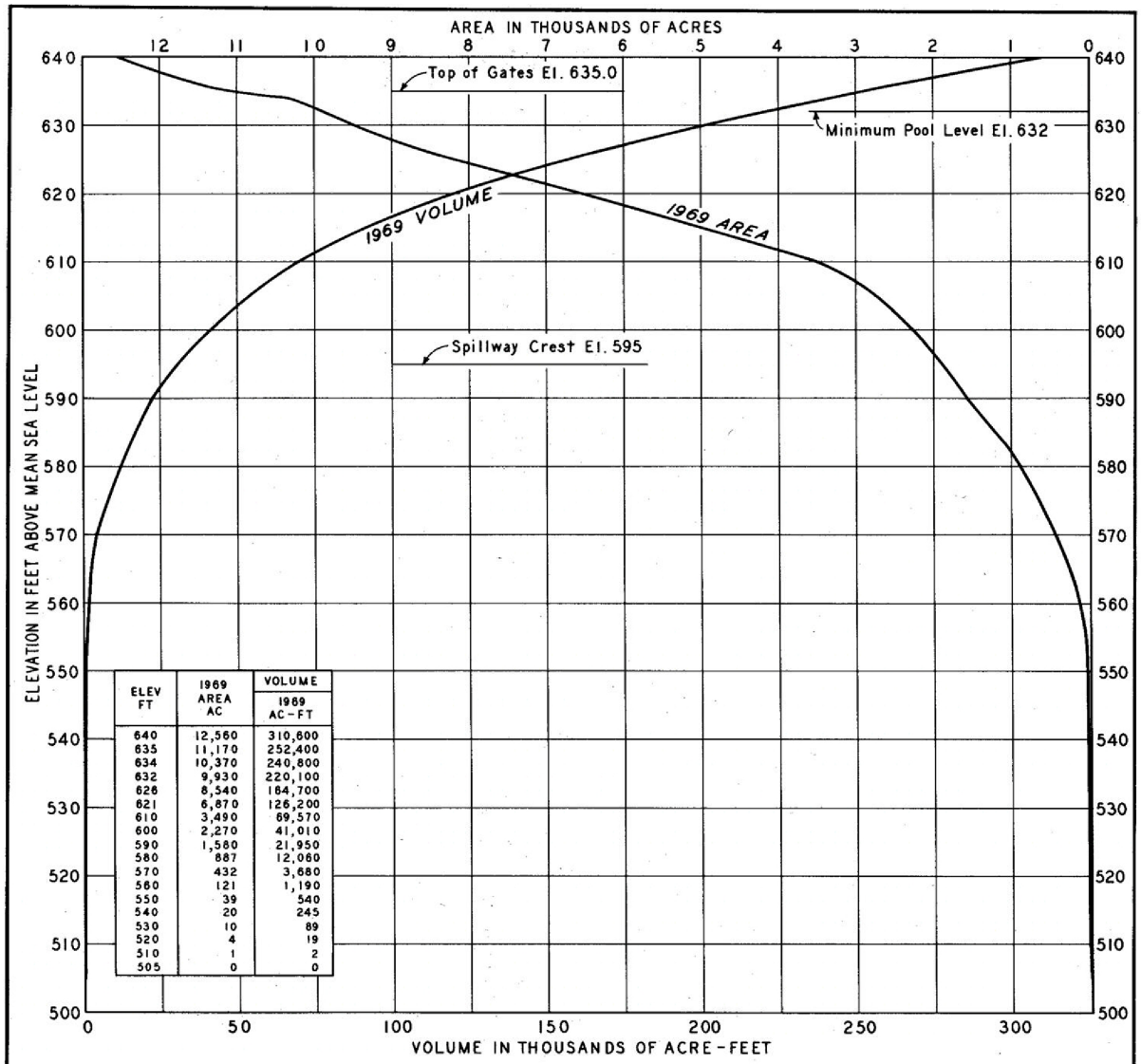

ELEV FT	1969 AREA AC	VOLUME 1969 AC-FT
640	12,560	310,600
635	11,170	252,400
634	10,370	240,800
632	9,930	220,100
626	8,540	164,700
621	6,870	126,200
610	3,490	69,570
600	2,270	41,010
590	1,580	21,950
580	887	12,060
570	432	3,680
560	121	1,190
550	39	540
540	20	245
530	10	89
520	4	19
510	1	2
505	0	0

NOTES:
Reservoir areas were measured on a composite map prepared by the Hydraulic Data Branch. Areas from Nickajack Dam to Hales Bar Dam were measured on a navigation map, Scale 1" = $\frac{1}{4}$ mile, with contours at 10' intervals from elevations 560 to 610, 5' intervals from elevations 610 to 630, and at elevations 634 and 640. Previously measured areas above Hales Bar Dam (See dwg. no. 71-DA-1-321G791) were adjusted to agree with the 1969 survey. Contours were made to conform to elevations on TVA sediment range cross sections which are located at one-half to one mile intervals within the reservoir.

The 1969 volume was computed by the contour method.

Elevations are referred to the USC&GS 1936 Supplementary Adjustment.

Area of original river within reservoir = 4,200 acres.

Drainage area at dam = 21,870 sq. mi.

Dam closure December 14, 1967.

REV NO.	DATE	MADE	CHKD	SUPV	INSP
1	9-6-72	DCW		PCS	
ADJUST AREA AT ELEV. 634					

DRWN ..... COMPUTED
TRCD RHL ENGINEER
CHKD .....

TENNESSEE RIVER MILE 424.7

RESERVOIR AREAS AND VOLUMES

NICKAJACK PROJECT
TENNESSEE VALLEY AUTHORITY
DIVISION OF WATER CONTROL PLANNING

SUBMITTED Edwin B. McCain RECOMMENDED Paul C. Spath APPROVED Fred G. Elliott

KNOXVILLE 12-28-70 69 DA 1 321G867R1

FIGURE 2.4.1-206
Nickajack Reservoir Elevation-Storage Relationship