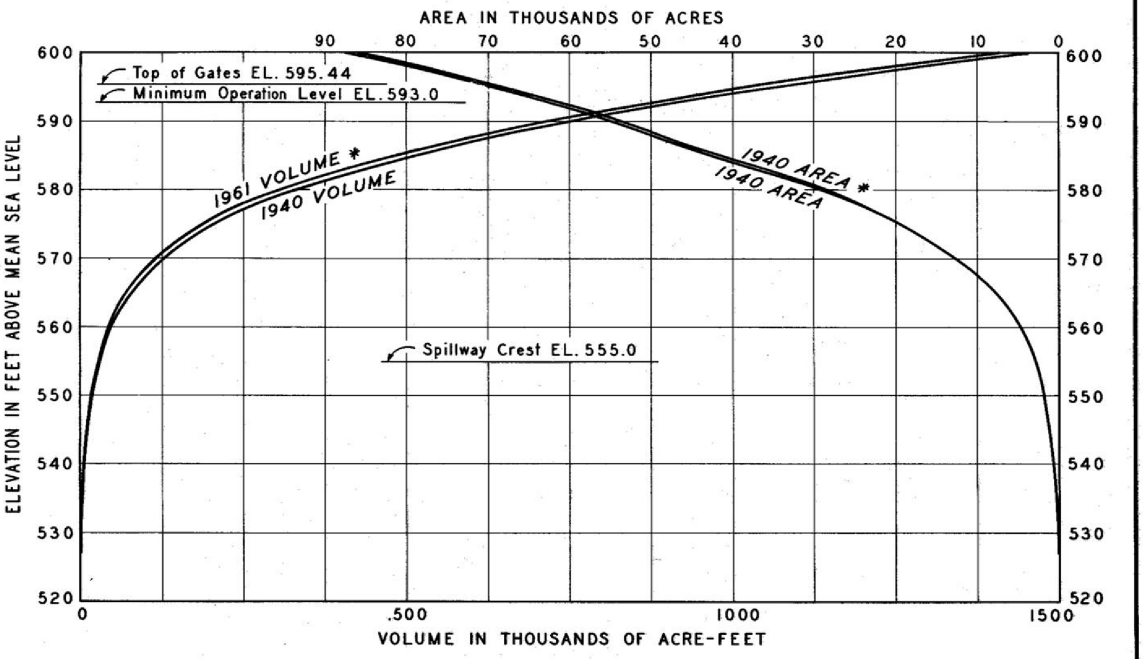

ELEV FT	1940 AREA AC	VOLUME				1940 AREA* AC	VOLUME*	
		1940 AC-FT	1947 AC-FT	1956 AC-FT	1961 AC-FT		1940 AC-FT	1961 AC-FT
600	87,700	1,456,000	1,440,000	1,432,000	1,423,000	86,600	1,438,000	1,406,000
595.44	71,200	1,097,000	1,081,000	1,073,000	1,064,000	70,200	1,085,000	1,052,000
595	69,100	1,063,000	1,046,000	1,039,000	1,030,000	67,900	1,050,000	1,018,000
590	54,500	752,000	735,000	728,000	719,000	53,600	745,000	712,000
585	42,600	510,000	492,000	487,000	477,000	41,800	506,000	474,000
580	29,100	330,000	316,000	311,000	301,000	28,700	330,000	301,000
570	12,400	127,000	121,000	117,000	113,000	12,400	127,000	113,000
560	4,480	46,800	44,000	40,800	39,100	4,480	46,800	39,100
550	1,800	17,650	16,600	14,500	14,800	1,800	17,650	14,800
540	880	4,470	4,220	3,210	3,910	880	4,470	3,910
530	15	25	14	2	0	15	25	0
526.6	0	0	0	0	0	0	0	0

NOTES:

Reservoir areas at elevation 580 and above were measured on navigation maps, scale 1"=2,000' showing field located contours at elevations 580, 585, 590, 595 and 600. Supplementary measurements were made on TVA land maps, scale 1"=500' with field located contours at elevations 595 and 600. Contours were drawn at 10' intervals and made to conform to elevations on TVA sediment range cross sections located at five to ten mile intervals. The 1940 volume was computed by the contour method. Volumes of sediment on succeeding dates were computed by the constant factor method.

Elevations are referred to the USC & GS 1929 General Adjustment.

Area of original river within reservoir = 12,065 acres.

Drainage area at dam = 24,450 square miles.

Dam closure January 16, 1939.

*Adjusted due to closure of Nickajack Dam Dec. 14, 1967, reducing length of Guntersville Reservoir by 6.4 miles.

THIS DRAWING SUPERSEDES 6-DA-1-321A21R2

FIGURE 2.4.1-205
Guntersville Reservoir Elevation-Storage Relationship