

RESERVOIR SEDIMENTATION
DATA SUMMARY

Bayview Reservoir
NAME OF RESERVOIR

13-1

DATA SHEET NO.

DAM	1. OWNER Tenn. Coal, Iron & RR Co.			2. RIVER Village Creek			3. STATE Alabama		
	4. SEC. 7 TWP. 17S RANGE 4W			5. NEAREST TOWN Birmingham			6. COUNTY Jefferson		
	7. STREAM BED ELEV. 402.4			8. TOP OF DAM ELEV. 508.4			9. SPILLWAY CREST ELEV. 489.5		
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. SURFACE AREA ACRES	13. STORAGE ACRE- FEET	14. ACCUMULATED ACRE- FEET	15. DATE STORAGE BEGAN			
	a. FLOOD CONTROL								
	b. POWER							May 8, 1911	
	c. WATER SUPPLY	489.5	478.5	11,866	11,866			16. DATE NORMAL OPER. BEGAN	
	d. IRRIGATION								
	e. CONSERVATION								
	f. INACTIVE							May 1911	
WATERSHED	17. LENGTH OF RESERVOIR 6.7 MILES			AV. WIDTH OF RESERVOIR 200 Ft. MILES					
	18. TOTAL DRAINAGE AREA 72.3 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 49.48 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 71.6 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES					
	20. LENGTH 18.5 MILES; AV. WIDTH 3.5 MILES			24. MEAN ANNUAL RUNOFF AC.-FT.					
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION Humid				
SURVEY DATA	26. DATE OF SURVEY	27. PERIOD YEARS	28. ACCL. YEARS	29. TYPE OF SURVEY	30. NO. OF RANGES OR CONTOUR INT.	31. SURFACE AREA ACRES	32. CAPACITY ACRE- FEET	33. C/W RATIO AC.-FT. PER SQ. MI.	
	May 1911	-	-	-	-	478	11,866	164	
	Dec. 1935	24.6	24.6	Range & Contour (detailed)	197 1/5 ft. C.I.	424	9,514	132	
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AC.-FT.			
			a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	a. MEAN ANNUAL	b. TOTAL TO DATE		
	Dec. 1935	49.48							
	26. DATE OF SURVEY	37. PERIOD SEDIMENT DEPOSITS ACRE- FEET			38. TOTAL SED. DEPOSITS TO DATE ACRE- FEET.				
		a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR		
	Dec. 1935	2,352	95.6	1.34	2,352	95.6	1.34		
	26. DATE OF SURVEY	39. AV. DRY WGT. LBS. PER CU. FT.	40. SED. DEP. TONS PER SQ. MI.-YR.		41. STORAGE LOSS PCT.		42. SED. INFLOW PPM		
		a. PERIOD	b. TOTAL TO DATE	a. AV. ANNUAL	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE		
Dec. 1935				0.81	19.82				

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION													
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION													

26. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR														
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	-105	-110	-115	-120	-125
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION														

45. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY

47. REMARKS AND REFERENCES

Eargle, D. Hoyer, and Barnes, Farrell F., Advance report on the Sedimentation Survey of Bayview Reservoir, Birmingham, Alabama. Soil Conserv. Serv., SCS-SS-11, 12 pp., illus., processed. Washington, D.C. March 1937.

1/ 34 ranges spudded and sounded, 163 ranges sounded

Region 2, Soil Conservation Service
U. S. Dept. of Agriculture
Spartanburg, South Carolina

48. AGENCY SUPPLYING DATA

49. DATE Sept. 25, 1950