

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Newnan Reservoir

11-1

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER <b>City of Newnan</b>			2. RIVER <b>Bolton Mill Creek</b>		3. STATE <b>Georgia</b>			
	4. SEC. <b>TWP. RANGE</b>		5. NEAREST TOWN <b>1.5 Mi. SE Newnan</b>			6. COUNTY <b>Coweta</b>			
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.		9. SPILLWAY CREST ELEV. <b>715 1/2</b>			
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							June 1924	
	b. POWER								
	c. WATER SUPPLY		715	31.5		384	384	16. DATE NORMAL OPER. BEGAN	
	d. IRRIGATION								
	e. CONSERVATION								
	f. INACTIVE								
17. LENGTH OF RESERVOIR				MILES		AV. WIDTH OF RESERVOIR		MILES	
WATERSHED	18. TOTAL DRAINAGE AREA <b>1.39</b>			SQ. MI.		22. MEAN ANNUAL PRECIPITATION		INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA <b>1.34</b>			SQ. MI.		23. MEAN ANNUAL RUNOFF		INCHES	
	20. LENGTH		MILES	AV. WIDTH		MILES	24. MEAN ANNUAL RUNOFF		AC.-FT.
	21. MAX. ELEV.		MIN. ELEV.			25. CLIMATIC CLASSIFICATION <b>Humid</b>			
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.	
	June 1924	-	-	-	-	31.5	384	276	
	Nov. 1937	13.4	13.4	Recon.	18 meas.	31.5	358	258	
	Feb. 1945	7.3	20.7	Range Recon.	8	31.5	354	255	
	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	
	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		
	Nov. 1937	26	1.94	1.45	26	1.94	1.45		
Feb. 1945	4	0.55	0.41	30	1.45	1.08			
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		
Nov. 1937	50*	1580	1580	0.51	6.77				
Feb. 1945		446	1180	0.38	7.81				

\* Assumed

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 <u>1</u> / Datum unknown.	
Region 2, Soil Conservation Service U. S. Dept. of Agriculture Spartanburg, South Carolina	
48. AGENCY SUPPLYING DATA	49. DATE <u>October 1950</u>