

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Franklinton Reservoir

6-2

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER City of Franklinton			2. RIVER Sallie Keeney Creek			3. STATE North Carolina								
	4. SEC. TWP. RANGE			5. NEAREST TOWN 1 mi. W. Franklinton			6. COUNTY Franklin								
	7. STREAM BED ELEV. 7*			8. TOP OF DAM ELEV. 23*			9. SPILLWAY CREST ELEV. 20*								
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					Jan. 1925									
	b. POWER														
	c. WATER SUPPLY	20	6.4	34.7	34.7	16. DATE NORMAL OPER. BEGAN									
	d. IRRIGATION														
	e. CONSERVATION														
	f. INACTIVE														
17. LENGTH OF RESERVOIR 0.16		MILES		AV. WIDTH OF RESERVOIR		MILES									
WATERSHED	18. TOTAL DRAINAGE AREA 1.13			SQ. MI.			22. MEAN ANNUAL PRECIPITATION 45.18			INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 1.12			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 Humid								
	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.
Jan. 1925		-		-		-		-		6.4		34.7		30.7	
May 1938		13.3		13.3		Contour Detailed		1 ft.		5.8		27.3		24.2	
SURVEY DATA	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		d. 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		d. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI.-YEAR		
	May 1938		7.6		.57		0.509		7.6		.57		0.509		
	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		
	May 1938		67 (4)		743		743		1.60 1/		21.33 1/				

\* 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  
 1/ Based on total of 7.4 acre-feet of sediment remaining in reservoir;  
 0.2 acre foot of sand removed in 1933.

Connaughton, M. P., and Barnes, L. H., Advance report on the sedimentation survey of Franklinton Reservoir, Franklinton, N. C., U. S. Soil Conserv. Serv., SCS-SS-30, 15 pp., illus., processed, Washington, D. C., January 1939.

Region 2, Soil Conservation Service  
 U. S. Department of Agriculture

48. AGENCY SUPPLYING DATA Spartanburg, South Carolina      49. DATE October 2, 1950