

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Greenleaf Lake  
NAME OF RESERVOIR

45-13

DATA SHEET NO.

DAM	1. OWNER U. S. Army			2. RIVER Big Greenleaf Creek		3. STATE Oklahoma		
	4. SEC. 10 TWP. 13 N RANGE 20 E			5. NEAREST TOWN Muskogee		6. COUNTY Muskogee		
	7. STREAM BED ELEV. 462			8. TOP OF DAM ELEV. 518		9. SPILLWAY CREST ELEV. 509.6		
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					March 1937		
	b. POWER					16. DATE NORMAL OPER. BEGAN		
	c. WATER SUPPLY					March 1937		
	d. IRRIGATION							
	e. CONSERVATION	509.6	900	13,005	13,005			
	f. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 5.3 MILES			AV. WIDTH OF RESERVOIR 0.3 MILE				
	18. TOTAL DRAINAGE AREA 81.25 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 41 * INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 79.84 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES				
	20. LENGTH 17.7 MILES		AV. WIDTH 4.6 MILES		24. MEAN ANNUAL RUNOFF AC-F			
	21. MAX. ELEV. 1200		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
Mar. 1937		-	-	-	-	900	13,005	160
Nov. 1941		4.7	4.7	Range Recon.	6	900	12,828	158
26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AC-F		
			a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	d. MEAN ANNUAL	e. 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	e. AV. ANNUAL	f. PER SQ. MI.-YEAR	
1941		177	37.7	0.47	177	37.7	0.47	
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 P.P.M.	
			a. PERIOD	b. TOTAL TO DATE	c. AV. ANNUAL	d. TOT. TO DATE	e. PERIOD	f. TOT. TO DATE
1941	-	-	-	0.3	1.4	-	-	

\* Estimated