

RESERVOIR SEDIMENTATION
DATA SUMMARY

Ardmore Club Lake

50-1

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Lake Ardmore Club Assn.			2. RIVER Caddo Creek			3. STATE Oklahoma				
	4. SEC. 2 TWP. 4 S RANGE 1 E			5. NEAREST TOWN Ardmore			6. COUNTY Carter				
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV.				
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					Dec. 1922					
	b. POWER										
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION										
	e. CONSERVATION			154.0	1,797	1,797	Dec. 1922				
	f. INACTIVE										
WATERSHED	17. LENGTH OF RESERVOIR			1.2	MILES	AV. WIDTH OF RESERVOIR		0.2	MILES		
	18. TOTAL DRAINAGE AREA			4.15	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		35.5 (37)	INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA			3.91	SQ. MI.	23. MEAN ANNUAL RUNOFF				INCHES	
	20. LENGTH		3.5	MILES	AV. WIDTH		1.2	MILES	24. MEAN ANNUAL RUNOFF		AG.-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 AG.-FT. PER SQ. MI.			
	Dec. 1922	-	-	-	-	154	1,797	433			
	June 1938	15.5	15.5	Range Detailed	30	151.6	1,644	396			
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AG.-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				
	June 1938	153	9.87	2.52	153	9.87	2.52				
	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			
June 1938	40.7 (8)	2234	2234	0.55	8.51	-	-				

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

48. AGENCY SUPPLYING DATA Region 4, Soil Conservation Service 49. DATE October 1950
 U. S. Dept. of Agriculture
 Fort Worth, Texas