

RESERVOIR SEDIMENTATION
DATA SUMMARY

Lake Scarborough
NAME OF RESERVOIR

53-1
DATA SHEET NO.

DAM	1. OWNER City of Coleman			2. RIVER Trib. of Jim Ned Cr.			3. STATE Texas					
	4. SEC. TWP. RANGE			5. NEAREST TOWN Coleman			6. COUNTY Coleman					
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV. 50' above stream bed			9. SPILLWAY CREST ELEV. 38' above stream bed					
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					May 1923						
	b. POWER											
	c. WATER SUPPLY		122	2,153	2,153	16. DATE NORMAL OPER. BEGAN						
	d. IRRIGATION											
	e. CONSERVATION											
	f. INACTIVE					May 1923						
17. LENGTH OF RESERVOIR		2.0		MILES		AV. WIDTH OF RESERVOIR		0.1		MILES		
WATERSHED	18. TOTAL DRAINAGE AREA			10.8			22. MEAN ANNUAL PRECIPITATION			28		INCHES
	19. NET SEDIMENT CONTRIBUTING AREA			10.6			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					Sub-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 1923	-	-	-	-	122	2,153	199				
	May 1940	17	17	Range Detailed	20	122	2,007	186				
	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					
	May 1940	146	8.59	0.81	146	8.59	0.81					
	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 1940	51.41 (6)	907	907	0.40	6.78	-	-					

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
 Reference: Unpublished Report of Sedimentation in Lake Scarborough, by V. H. Jones, 1940.

Sediment is brown silt in lower part of reservoir, and silty sand near its head.

48. AGENCY SUPPLYING DATA Region 4, Soil Conservation Service 49. DATE August 11, 1950

U. S. Dept. of Agriculture
 Fort Worth, Texas