

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Hubbard City Lake (No. 2)

53-9

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER City of Hubbard			2. RIVER Tributary of East Gettewood Creek			3. STATE Texas									
	4. SEC. - TWP. - RANGE -			5. NEAREST TOWN Hubbard			6. COUNTY Hill									
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV. 129.2 1/2									
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										1912 2/					
	b. POWER															
	c. WATER SUPPLY		129.2 1/2		3.1		36.3		36.3		16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION															
	f. INACTIVE										1912					
17. LENGTH OF RESERVOIR 0.1 MILES					AV. WIDTH OF RESERVOIR 0.05 MILES											
WATERSHED	18. TOTAL DRAINAGE AREA 0.03 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 36.3* INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 0.03 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											
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.	
	1912 May 1949		- 37		- 37		- Range Recon.		- 3		3.1 3.1		36.3 33.0		1,210 1,100	
	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. TCTAL 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 1949		3.3		0.09		3.0		3.3		0.09		3.0			
	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		c. PERIOD		d. TOT. TO DATE	
May 1949								0.25		9.1		-		-		

1/ Local datum, elev. at date of survey  
 2/ Dam raised in 1925, capacity based on 1925 level.  
 \* Estimated

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
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  
 Report on Sedimentation in Hubbard City Lakes by J. A. Ogle and R. E. Rogers, May 1949.  
 The sediment is a gray to grayish black silty clay.

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