

RESERVOIR SEDIMENT
DATA SUMMARY

LAKE STAMFORD

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SCS-34 Rev. 6-66

NAME OF RESERVOIR

54- 9

DATA SHEET NO.

DAM	1. OWNER City of Stamford		2. STREAM Paint Creek		3. STATE Texas			
	4. SEC. TWP. RANGE		5. NEAREST P.O. Stamford		6. COUNTY Haskell			
	7. LAT " ' " LONG " ' "		8. TOP OF DAM ELEVATION 1434.0		9. SPILLWAY CREST ELEV. 1414.0			
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. ORIGINAL SURFACE AREA, ACRES	13. ORIGINAL CAPACITY, ACRE-FEET	14. GROSS STORAGE, ACRE-FEET	15. DATE STORAGE BEGAN		
	a. FLOOD CONTROL					6-1-53		
	b. MULTIPLE USE	1414.0	4,901.08	57,632.35	57,632.35			
	c. POWER					16 DATE NORMAL OPER. BEGAN		
	d. WATER SUPPLY							
	e. IRRIGATION							
	f. CONSERVATION					6-1-53		
g. INACTIVE								
WATERSHED	17. LENGTH OF RESERVOIR 8.05 MILES		AV. WIDTH OF RESERVOIR 0.96 MILES					
	18. TOTAL DRAINAGE AREA 360.00 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 23.15 (68) INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 352.34 SQ. MI.		23. MEAN ANNUAL RUNOFF 1.75 INCHES					
	20. LENGTH 29.57 MILES		AV. WIDTH 12.17 MILES		24. MEAN ANNUAL RUNOFF 33,600 AC.-FT.			
	21. MAX. ELEV. 1812.0		MIN. ELEV. 1360.0		25. ANNUAL TEMP: MEAN RANGE Subhumid			
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.
	6-1-53	--	--	Range (D)	25 R	4,901.08	57,632.35	160.09
	5-1-66	12.9	12.9			4,689.84	53,927.57	149.80
	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 CAPACITY LOSS, 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	
	5-1-66	3,704.78	287.19	0.82	3,704.78	287.19	0.82	
	26. DATE OF SURVEY	39. AV. DRY WT., 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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE
5-1-66	42.56 (5)	760	760	0.50	6.43	--	--	

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, 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. 1966 ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
1370.0	0.44	0.29	1395.0	890.11	6471.31			
1375.0	25.27	48.67	1400.0	1516.17	12419.13			
1380.0	109.18	360.35	1405.0	2391.58	22107.67			
1385.0	246.71	1227.21	1410.0	3542.48	36851.87			
1390.0	496.91	3050.49	1414.0	4689.84	53927.57			

47. REMARKS AND REFERENCES

48. AGENCY MAKING SURVEY **Soil Conservation Service**
 49. AGENCY SUPPLYING DATA **Temple, Texas**
 50. DATE **December 1966**