

RESERVOIR SEDIMENT  
DATA SUMMARY

SCS-34 Rev. 6-66

Lake Ballinger

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

54- 11

DATA SHEET NO.

DAM	1. OWNER <b>City of Ballinger</b>		2. STREAM <b>Valley Creek</b>		3. STATE <b>Texas</b>		
	4. SEC. TWP. RANGE		5. NEAREST P.O. <b>Ballinger</b>		6. COUNTY <b>Runnels</b>		
	7. LAT. <b>31°45'29"</b> LONG. <b>100°02'30"</b>		8. TOP OF DAM ELEVATION <b>1704.5</b>		9. SPILLWAY CREST ELEV. <b>1694.0</b>		
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					11-47	
	b. MULTIPLE USE	<b>1694.0</b>	<b>352.20</b>	<b>3872.09</b>	<b>3872.09</b>		
	c. POWER					16. DATE NORMAL OPER. BEGAN	
	d. WATER SUPPLY						
	e. IRRIGATION						
	f. CONSERVATION						
	g. INACTIVE					11-47	
17. LENGTH OF RESERVOIR	<b>2.25</b>	MILES	AV. WIDTH OF RESERVOIR	<b>0.44</b>	MILES		
18. TOTAL DRAINAGE AREA	<b>210</b>	SQ. MI.	22. MEAN ANNUAL PRECIPITATION	<b>22.63 (68)</b>	INCHES		
19. NET SEDIMENT CONTRIBUTING AREA	<b>209</b>	SQ. MI.	23. MEAN ANNUAL RUNOFF	<b>1.25</b>	INCHES		
20. LENGTH	<b>38.0</b>	MILES	AV. WIDTH	<b>5.53</b>	MILES	24. MEAN ANNUAL RUNOFF	<b>13,999</b>
21. MAX. ELEV.	<b>2560</b>	MIN. ELEV.	<b>1678</b>	25. ANNUAL TEMP.: MEAN <b>64°F</b> RANGE <b>44°F - 83°F</b>			
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/I. RATIO, AC.-FT. PER AC.-FT.
<b>11-47</b>	-	-	Range (D)	15 Ranges	<b>352.20</b>	<b>3872.09</b>	<b>0.28</b>
<b>8-70</b>	<b>22.8</b>	<b>22.8</b>			<b>352.20</b>	<b>3070.42</b>	<b>0.22</b>
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	
<b>8-70</b>	<b>801.67</b>	<b>35.16</b>	<b>0.17</b>	<b>801.67</b>	<b>35.16</b>	<b>0.17</b>	
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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
<b>8-70</b>	<b>37 (7)</b>	<b>137</b>	<b>137</b>	<b>0.91</b>	<b>20.7</b>	-	-

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
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 MAKING SURVEY <b>Soil Conservation Service-Texas</b> 49. AGENCY SUPPLYING DATA <b>Sedimentation Survey Party</b>														
												50. DATE <u>3-71</u>		