

RESERVOIR SEDIMENT DATA SUMMARY

SCS-34 Rev. 6-66

Duvall Pond
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

32- 37

DATA SHEET NO.

Bunker Hill, Kansas

DAM	1. OWNER Mrs. Guy Duvall			2. STREAM Trib. to Saline River			STATE Kansas									
	4. SEC. NW 14, TWP. 12 RANGE 13			5. NEAREST P.O. Bunker Hill, Ks.			6. COUNTY Russell									
	7. LAT. 39 01' " LONG. 98 44' "			8. TOP OF DAM ELEVATION 101.5*			9. SPILLWAY CREST ELEV. 98.0*									
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		98.0*		13.86		104.86		104.86		Dec. 1960					
	b. MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY		95.5*													
	e. IRRIGATION										16. DATE NORMAL OPER. BEGAN					
	f. CONSERVATION															
	g. INACTIVE										Dec. 1960					
17. LENGTH OF RESERVOIR .44 MILES				AV. WIDTH OF RESERVOIR .05 MILES												
WATERSHED	18. TOTAL DRAINAGE AREA 1.77 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 23.4 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 1.41 SQ. MI.				23. MEAN ANNUAL RUNOFF 1.30 INCHES											
	20. LENGTH 2.63 MILES				AV. WIDTH .68 MILES				24. MEAN ANNUAL RUNOFF 122 AC.-FT.							
	21. MAX. ELEV. 1820'*				MIN. ELEV. 1670'*				25. ANNUAL TEMP: MEAN 53° F RANGE							
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/I. RATIO, AC.-FT. PER AC.-FT.	
	7-14-70		9.6		9.6		Range (D)		3		13.86		Original 104.86 Present 103.17		.855 .846	
	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			
	7-14-70		1.69		.18		.12		1.69		.18		.12			
	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			
7-14-70		*75#		204		204		.16 1.61								

