

**RESERVOIR SEDIMENT
DATA SUMMARY**

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Seltman
NAME OF RESERVOIR

46- 48
DATA SHEET NO.

DAM	1. OWNER Seltman			2. STREAM Trib to Walnut Creek			3. STATE Kansas					
	4. SEC. S28 TWP. 19 RANGE 17W			5. NEAREST P.O. Rush Center			6. COUNTY Rush					
	7. LAT. 38° 22' 30" LONG. 99° 12' 30"			8. TOP OF DAM ELEVATION 100.00*			9. SPILLWAY CREST ELEV. 97.00*					
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										October 1958	
	b. MULTIPLE USE											
	c. POWER										October 1958	
	d. WATER SUPPLY		97.00*		13.49		26.07		26.07			
	e. IRRIGATION											
	f. CONSERVATION											
	g. INACTIVE											
17. LENGTH OF RESERVOIR 0.27 MILES					AV. WIDTH OF RESERVOIR 0.06 MILES							
18. TOTAL DRAINAGE AREA 1.63 SQ. MI.					22. MEAN ANNUAL PRECIPITATION 22 INCHES							
19. NET SEDIMENT CONTRIBUTING AREA 1.61 SQ. MI.					23. MEAN ANNUAL RUNOFF 0.7 INCHES							
20. LENGTH 2.10 MILES			AV. WIDTH 0.78 MILES			24. MEAN ANNUAL RUNOFF 60 AC.-FT.						
21. MAX. ELEV. 2,150.00			MIN. ELEV. 2,120.00			25. ANNUAL TEMP.: MEAN 55 RANGE -32 to 113						
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.
	August 8 1967		8.8	8.8	Range		7	13.49		Original 26.07 Present 22.23		0.43 0.37
	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				
	August 8 1967		3.84	0.44	0.27	3.84	0.44	0.27				
	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				
August 8 1967		60*	352	352	1.69	14.73						

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. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY

47. REMARKS AND REFERENCES

* Assumed

Cropland = 67% with 2 - 3% slopes
 Pasture (good) = 33% with 5 - 7% slopes
 T.E. = 96%
 Watershed yield = 0.28 ac. ft./sq. mi./yr.

48. AGENCY MAKING SURVEY
 49. AGENCY SUPPLYING DATA U.S.D.A., Soil Conservation Service 50. DATE September 1, 1967