

**RESERVOIR SEDIMENT  
DATA SUMMARY**  
SCS-34 Rev. 6-62

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

Droge  
NAME OF RESERVOIR

32-23  
DATA SHEET NO.

DAM	1. OWNER Leslie Droge				2. STREAM Un-named trib.				3. STATE Kansas							
	4. SEC. 9 TWP. 1 RANGE 12				5. NEAREST TOWN Bern				6. COUNTY Nemaha							
	7. STREAM BED ELEVATION 81.0*				8. TOP OF DAM ELEVATION 100.0*				9. SPILLWAY CREST ELEV. 97.0*							
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. MULTIPLE USE										July 24 1958					
	b. FLOOD CONTROL															
	c. POWER															
	d. WATER SUPPLY		93.0*		4.70		27.30		27.30		16. DATE NOR- MAL OPER. BEGAN  July 24 1958					
	e. IRRIGATION															
	f. CONSERVATION															
	g. SEDIMENT															
	h. INACTIVE															
17. LENGTH OF RESERVOIR 0.09 MILES					AV. WIDTH OF RESERVOIR 0.08 MILES											
WATERSHED	18. TOTAL DRAINAGE AREA 0.35 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 30* INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 0.34 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES											
	20. LENGTH 0.6 MILES		AV. WIDTH 0.6 MILES		24. MEAN ANNUAL RUNOFF AC.-F.T.											
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION											
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.	
	5-1-62		3.8		3.8		Range		6		4.70		27.30 25.45		80.29 74.85	
	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 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			
	5-1-62		1.85		0.49		1.44		1.85		0.49		1.44			
	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. AN.		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE			
5-1-62		59.4(2)		1863		1863		1.78		6.78						

TE =  
95.8%

\* Assumed

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	-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

48. AGENCY MAKING SURVEY \_\_\_\_\_

49. AGENCY SUPPLYING DATA **USDA Soil Conservation Service**

50. DATE \_\_\_\_\_