

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

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Robson
NAME OF RESERVOIR

32-24

Turkey Creek Watershed

DATA SHEET NO.

DAM	1. OWNER Ed Robson			2. STREAM Trib. of Holland Cr.			3. STATE Kansas									
	4. SEC. 23 TWP. 16 RANGE 1			5. NEAREST TOWN Elmo			6. COUNTY Dickinson									
	7. STREAM BED ELEVATION 80.0*			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										6/13/56					
	b. FLOOD CONTROL															
	c. POWER															
	d. WATER SUPPLY		92.6*		2.48		10.51		10.51							
	e. IRRIGATION										6/13/56					
	f. CONSERVATION															
	g. SEDIMENT															
h. INACTIVE																
WATERSHED	17. LENGTH OF RESERVOIR 0.16 MILES				AV. WIDTH OF RESERVOIR 0.02 MILES											
	18. TOTAL DRAINAGE AREA 0.156 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 28* INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 0.152 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES											
	20. LENGTH 0.5 MILES		AV. WIDTH 0.3 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.											
	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.	
	June 27, 1962		6		6		Range		6		2.48		10.51 9.68		69.14 63.68	
	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			
	June 27, 1962		0.83		0.14		0.92		0.83		0.14		0.92			
	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			
June 27, 1962		75.6		1515		1515		1.31		7.90						

TE =
96%

* 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 July 24, 1962