

**RESERVOIR SEDIMENT  
DATA SUMMARY**  
SCS-34 Rev. 5-62

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

Rock

NAME OF RESERVOIR

32-27

Turkey Creek Watershed Hill R.

DATA SHEET NO.

DAM	1. OWNER Mr. Rock		2. STREAM Trib. of Smoky		3. STATE Kansas			
	4. SEC. 14 TWP. 14 RANGE 3		5. NEAREST TOWN Navarre		6. COUNTY Dickinson			
	7. STREAM BED ELEVATION 90.0*		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					October 1954		
	b. FLOOD CONTROL							
	c. POWER					16. DATE NORMAL OPER. BEGAN  October 1954		
	d. WATER SUPPLY	97.0*	1.86	4.88	4.88			
	e. IRRIGATION							
	f. CONSERVATION							
	g. SEDIMENT							
h. INACTIVE								
17. LENGTH OF RESERVOIR			.17 MILES	17. AV. WIDTH OF RESERVOIR .02 MILES				
WATERSHED	18. TOTAL DRAINAGE AREA		0.56 SQ. MI.	22. MEAN ANNUAL PRECIPITATION		28* INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA		0.544 SQ. MI.	23. MEAN ANNUAL RUNOFF		INCHES		
	20. LENGTH 0.6 MILES	AV. WIDTH 0.9 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.
	July 1, 1962	7.75	7.75	Range	5	1.86	4.88 2.71	8.97 4.98
	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	
	July 1, 1962	2.17	0.28	0.51	2.17	0.28	0.51	
	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
July 1, 1962	53.4(2)	593	593	5.74	44.46			

TE = 89%

\* Assumed

25. 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
	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