

RESERVOIR SEDIMENT DATA SUMMARY

D-1 - Lost Creek

32-17a

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Ben Nelson, Denmarck		2. STREAM Lost Creek		3. STATE Kansas			
	4. SEC. NESE 15 TWP. 11S RANGE 8W		5. NEAREST P.O. Lincoln, KS		6. COUNTY Lincoln			
	7. LAT. 39° 05' 40" LONG. 98° 11' 20"		8. TOP OF DAM ELEVATION 1496		9. SPILLWAY CREST ELEV. 1489.7			
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	1489.7	29.97	139.07	231.5	8/54		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY							
	e. IRRIGATION					16. DATE NORMAL OPER. BEGAN		
	f. CONSERVATION							
g. INACTIVE 1/	1483.7	17.01	92.43	92.43				
WATERSHED	17. LENGTH OF RESERVOIR 0.36 MILES		AV. WIDTH OF RESERVOIR 0.1 MILES					
	18. TOTAL DRAINAGE AREA 1.55 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 25.75 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 1.002 SQ. MI.		23. MEAN ANNUAL RUNOFF 1.6 INCHES					
	20. LENGTH 1.8 MILES		AV. WIDTH 0.85 MILES		24. MEAN ANNUAL RUNOFF 132 AC.-FT.			
	21. MAX. ELEV. 1620		MIN. ELEV. 1470		25. ANNUAL TEMP.: MEAN 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.
	8/54	-	-	-	-	29.97	231.5	1.75
	4/77	22.7	22.7	Range	12	29.97	223.63	1.69
	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	
	4/77	7.87	0.35	0.35	7.87	0.35	0.35	
	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	
4/77	44(5)	332	332	0.15	3.4			

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

1/ Sediment pool.

2/ Upstream floodwater retarding dam controls 0.5 square miles of drainage area.

48. AGENCY MAKING SURVEY      Soil Conservation Service  
 49. AGENCY SUPPLYING DATA      Soil Conservation Service  
 50. DATE      12/77