

RESERVOIR SEDIMENT DATA SUMMARY

Lower Salt FRD #1
NAME OF RESERVOIR

32- 56
DATA SHEET NO.

DAM	1. OWNER John Nelson			2. STREAM Lower Salt (trib)			3. STATE Kansas							
	4. SEC. 26 TWP. 9S RANGE 5W			5. NEAREST P.O. Delphos, KS			6. COUNTY Ottawa							
	7. LAT. 39° 14' 20 " LONG. 97° 50 ' 20 "			8. TOP OF DAM ELEVATION 1434.3			9. SPILLWAY CREST ELEV. 1429							
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		1429.0		62.46		603.02		679.5		8/2/72			
	b. MULTIPLE USE										16. DATE NOR-MAL OPER. BEGAN			
	c. POWER										3/73			
	d. WATER SUPPLY													
	e. IRRIGATION													
	f. CONSERVATION													
	g. INACTIVE 1/		1411.5		12.07		76.48		76.48					
WATERSHED	17. LENGTH OF RESERVOIR 0.5 MILES			AV. WIDTH OF RESERVOIR 0.2 MILES										
	18. TOTAL DRAINAGE AREA 3.16 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 25.75 INCHES										
	19. NET SEDIMENT CONTRIBUTING AREA 3.06 SQ. MI.			23. MEAN ANNUAL RUNOFF 1.3 INCHES										
	20. LENGTH 3.1 MILES			AV. WIDTH 1.02 MILES			24. MEAN ANNUAL RUNOFF 219 AC.-FT.							
	21. MAX. ELEV. 1630			MIN. ELEV. 1396			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.	
	8/72		-	-	-		-		62.46		679.5		3.10	
	5/77		4.75	4.75	Range		14		62.46		671.2		3.06	
	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								
	5/77		8.30 1.75 0.57			8.30 1.75 0.57								
	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								
5/77		41 509		509		0.26 1.2								

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.

48. AGENCY MAKING SURVEY Soil Conservation Service
49. AGENCY SUPPLYING DATA Soil Conservation Service

50. DATE 12/77