

RESERVOIR SEDIMENT  
DATA SUMMARY

SCS-34 Rev. 6-66

Lindsley Pond  
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

32- 43

DATA SHEET NO.

DAM	1. OWNER <u>D. K. Lindsley</u>			2. STREAM <u>Trib. to Mill Cr.</u>		3. STATE <u>Kansas</u>			
	4. SEC <u>NE 3</u> TWP. <u>2</u> RANGE <u>2'</u>			5. NEAREST P. <u>Morrowville-5NW</u>		6. COUNTY <u>Washington</u>			
	7. LAT. <u>39° 54'</u> " LONG <u>97° 11'</u> "			8. TOP OF DAM ELEVATION <u>107.7*</u>		9. SPILLWAY CREST ELEV. <u>104.2*</u>			
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		<u>104.2*</u>	<u>6.2</u>	<u>39.2</u>	<u>39.2</u>	<u>Oct. 1960</u>		
	b. MULTIPLE USE								
	c. POWER								
	d. WATER SUPPLY		<u>100.2*</u>				16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION						<u>Oct. 1960</u>		
	f. CONSERVATION								
g. INACTIVE									
WATERSHED	17. LENGTH OF RESERVOIR			<u>.32</u> MILES	AV. WIDTH OF RESERVOIR			<u>.03</u> MILES	
	18. TOTAL DRAINAGE AREA			<u>.72</u> SQ. MI.	22. MEAN ANNUAL PRECIPITATION			<u>28.1</u> INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA			<u>.65</u> SQ. MI.	23. MEAN ANNUAL RUNOFF			<u>3.20</u> INCHES	
	20. LENGTH		<u>1.69</u> MILES	AV. WIDTH		<u>.43</u> MILES	24. MEAN ANNUAL RUNOFF		<u>123</u> AC.-FT.
	21. MAX. ELEV. <u>1530'*</u>			MIN. ELEV. <u>1384'*</u>		25. ANNUAL TEMP: MEAN <u>53°</u> F 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.	
	<u>6-18-70</u>	<u>9.7</u>	<u>9.7</u>	<u>Range (D)</u>	<u>9</u>	<u>6.2</u>	Original <u>39.2</u> Present <u>35.8</u>	<u>.319</u>  <u>.291</u>	
	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		
	<u>6-18-70</u>	<u>3.36</u>	<u>.35</u>	<u>.53</u>	<u>3.36</u>	<u>.35</u>	<u>.53</u>		
	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		
<u>6-18-70</u>	<u>*70#</u>	<u>811</u>	<u>811</u>	<u>.88</u>	<u>8.56</u>				

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
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

Slope: Range (Good) 8-10%. Cropland 4-5%.  
 Land Use: 69% Range & 31% Cropland (of which 20% is LCT).  
 Trap Efficiency: 93%.  
 Yield: .572 Ac. Ft./Sq. Mi./Yr. (872.30 Tons/Sq. Mi./Yr.)

48. AGENCY MAKING SURVEY Kansas Watershed Planning Staff, Soil Conservation Service  
 49. AGENCY SUPPLYING DATA Soil Conservation Service

50. DATE 9-30-70