

RESERVOIR SEDIMENTATION
DATA SUMMARY

Herbert Niles Pond

45-30

NAME OF RESERVOIR

DATA SHEET NO

DAM	1. OWNER Herbert Niles			2. RIVER Un-named			3. STATE Kansas				
	4. SEC. NW3 TWP. 19S RANGE 15E			5. NEAREST TOWN Lebo			6. COUNTY Coffey				
	7. STREAM BED ELEV. 1000*			8. TOP OF DAM ELEV. 1023			9. SPILLWAY CREST ELEV. 1020				
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. SURFACE AREA ACRES	13. STORAGE ACRE- FEET	14. ACCUMULATED ACRE- FEET	15. DATE STORAGE BEGAN					
	a. FLOOD CONTROL					Jan. 1939					
	b. POWER										
	c. WATER SUPPLY		2.69	10.59	10.59	16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION										
	e. CONSERVATION					Jan. 1939					
	f. INACTIVE										
17. LENGTH OF RESERVOIR 0.15		MILES		AV. WIDTH OF RESERVOIR 0.05		MILES					
WATERSHED	18. TOTAL DRAINAGE AREA 0.194		SQ. MI.		22. MEAN ANNUAL PRECIPITATION 37		INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 0.192		SQ. MI.		23. MEAN ANNUAL RUNOFF		INCHES				
	20. LENGTH 0.5		MILES		AV. WIDTH 0.25		MILES		24. MEAN ANNUAL RUNOFF		AG.-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.			
	Jan. 1939	0	0	-	-	-	10.59	54.6			
	July 1957	18½	18½	Range	11	2.69	8.56	44.0			
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INFLOW ACRE- FEET			36. WATER INFL. TO DATE AG.-FT.					
		a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	d. MEAN ANNUAL	e. TOTAL TO DATE					
	26. DATE OF SURVEY	37. PERIOD SEDIMENT DEPOSITS ACRE- FEET			38. TOTAL SED. DEPOSITS TO DATE ACRE- FEET.						
		d. PERIOD TOTAL	e. AV. ANNUAL	f. PER SQ. MI.-YEAR	g. TOTAL TO DATE	h. AV. ANNUAL	i. PER SQ. MI.-YEAR				
	July 1957	Pond 2.03 abv. crest .03 total 2.06	0.11	0.60	2.06	0.11	0.60				
	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	c. AV. ANNUAL	d. TOT. TO DATE	e. PERIOD	f. TOT. TO DATE					
July 1957	62 *	810.2	810.2	1.04	19.18						

* Assumed

26. DATE OF SURVEY

43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION

PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION

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28. DATE OF SURVEY

44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR

PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION

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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 SUPPLYING DATA **SOIL CONSERVATION SERVICE**

49. DATE NOV - 6 1961