

U.S. DEPARTMENT OF AGRICULTURE  
**RESERVOIR SEDIMENTATION  
DATA SUMMARY**

Langton  
NAME OF RESERVOIR

SOIL CONSERVATION SERVICE  
46-17  
DATA SHEET NO.

<b>DAM</b>	1. OWNER <b>Gerald Longton</b>			2. RIVER <b>Unnamed Tributary</b>			3. STATE <b>Kansas</b>			
	4. SEC. <b>SE 11TWP. 26</b> RANGE <b>27W</b>			5. NEAREST TOWN <b>Cimarron</b>			6. COUNTY <b>Gray</b>			
	7. STREAM BED ELEV. <b>1000*</b>			8. TOP OF DAM ELEV. <b>1015*</b>			9. SPILLWAY CREST ELEV. <b>1012*</b>			
<b>RESERVOIR</b>	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					July 1935				
	b. POWER									
	c. WATER SUPPLY	1010*	6.35 ✓	51.1	51.1	16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION									
	e. CONSERVATION									
	f. INACTIVE					July 1935				
17. LENGTH OF RESERVOIR		0.1	MILES	AV. WIDTH OF RESERVOIR		0.06	MILES			
<b>WATERSHED</b>	18. TOTAL DRAINAGE AREA		0.55	SQ. MI.	22. MEAN ANNUAL PRECIPITATION		22*	INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA		0.54	SQ. MI.	23. MEAN ANNUAL RUNOFF			INCHES		
	20. LENGTH		0.8	MILES	AV. WIDTH		0.68	MILES		
	21. MAX. ELEV.				24. MEAN ANNUAL RUNOFF			AC.-FT.		
	MIN. ELEV.				25. CLIMATIC CLASSIFICATION					
<b>SURVEY DATA</b>	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, 1935 August 1955	-	-	-	-	6.35	51.10	92.9		
		20	20	Range	4		50.28	91.4		
	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	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.					
		a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	d. TOTAL TO DATE	e. AV. ANNUAL	f. PER SQ. MI.-YEAR			
	August 1955	0.82	0.04	0.07	0.82	0.04	0.07			
		39. AV. DRY WGT. LBS. PER CU. FT.		40. SED. DEP. TONS PER SQ. MI.-YR.		41. STORAGE LOSS PCT.		42. SED. INFLOW PPM		
	August 1955	85.7	134.0	134.0	a. PERIOD	b. TOTAL TO DATE	a. AV. ANNUAL	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE

\* Assumed  
✓ Original at spillway level

23. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION														
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION														
25. 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															
<div style="text-align: right;">NOV - 6 1961</div>															
48. AGENCY SUPPLYING DATA <b>SOIL CONSERVATION SERVICE</b> 49. DATE _____															