

**RESERVOIR SEDIMENTATION
 DATA SUMMARY**

Fling Estate

32-7

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER M.W. Fling Estate			2. RIVER Trib. of Little Blue R.		3. STATE Nebraska		
	4. LONG. Sec. 37E N		LAT. RANGE 2W	5. NEAREST TOWN Hubbell		6. COUNTY Thayer		
	7. STREAM BED ELEV. 82.9			8. TOP OF DAM ELEV. 103		9. SPILLWAY CREST ELEV. 100.0*		
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						1945	
	b. POWER							
	c. WATER SUPPLY							
	d. IRRIGATION						16. DATE NORMAL OPER. BEGAN	
	e. CONSERVATION		100	3.109	18.686	18.686		
	f. INACTIVE						1945	
WATERSHED	17. LENGTH OF RESERVOIR 0.131 MILES			AV. WIDTH OF RESERVOIR 0.032 FEET				
	18. TOTAL DRAINAGE AREA (69 Ac) 0.108 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 26.68 INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 0.103 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES				
	20. LENGTH MILES		AV. WIDTH MILES		24. MEAN ANNUAL RUNOFF AC.-FT.			
	21. MAX. ELEV.		MIN. ELEV. 82.9		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.
	1945	0	0	-	-	3.109	18.686	173.02
	1958	13	13	Range Detailed	7	3.109	13.852	128.26
	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 SEDIMENT DEPOSITS 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	
	Aug. 1958	4.834	0.372	3.44	4.834	0.372	3.44	
	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. ANNUAL	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
Aug. 1958	65 1/2	4870	4870	2.0	25.9			

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, 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

48. AGENCY SUPPLYING DATA Soil Conservation Service

49. DATE Aug. 1958