

RESERVOIR SEDIMENTATION
DATA SUMMARY

Harris Reservoir South
NAME OF RESERVOIR

37-22
DATA SHEET NO.

DAM	1. OWNER J. W. Harris			2. RIVER Unnamed			3. STATE Nebraska				
	4. SEC. 2 TWP. 33N RANGE 42W			5. NEAREST TOWN Gordon			6. COUNTY Sheridan				
	7. STREAM BED ELEV. 85.6			8. TOP OF DAM ELEV. 99.0			9. SPILLWAY CREST ELEV. 96.2*				
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. SURFACE AREA ACRES	13. STORAGE ACRE-FT	14. ACCUMULATED ACRE-FT	15. DATE STORAGE BEGAN					
	a. FLOOD CONTROL					1947					
	b. POWER										
	c. WATER SUPPLY	96.2	5.82	18.64	18.64	16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION										
	e. CONSERVATION										
	f. INACTIVE					1947					
17. LENGTH OF RESERVOIR 0.431 MILES; AV. WIDTH OF RESERVOIR 0.022 MILES											
WATERSHED	18. TOTAL DRAINAGE AREA (7587 Ac)			11.9 SQ. MI.	22. MEAN ANNUAL PRECIPITATION			17.36 INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA			11.85 SQ. MI.	23. MEAN ANNUAL RUNOFF			INCHES			
	20. LENGTH		MILES	AV. WIDTH	MILES	24. MEAN ANNUAL RUNOFF		AC.-FT.			
	21. MAX. ELEV.		MIN. ELEV. 85.6		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-FT	33. C/W RATIO AC.-FT. PER SQ. MI.			
	May '47	0	0	-	-	5.82	18.64	1.57			
	Nov. '56	9.5	9.5	Range Detailed	12	5.82	15.77	1.33			
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INFLOW ACRE-FT			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-FT			38. TOTAL SED. DEPOSITS TO DATE ACRE-FT.						
		a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR				
	1956	2.87	.302	0.025	2.87	.302	0.025				
	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				
Nov. 1956	70 1/	38	38	1.6	15.4						

* Assumed elevation
1/ Assumed av. dry weight

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 Nov. 1956