

RESERVOIR SEDIMENTATION
DATA SUMMARY

Ross Farm Reservoir
NAME OF RESERVOIR

35-43
DATA SHEET NO.

DAM	1. OWNER Ross			2. RIVER N. Fork Little Fox			3. STATE Nebraska				
	4. SEC. 32 TWP. 9N RANGE 12			5. NEAREST TOWN Otoe			6. COUNTY Otoe				
	7. STREAM BED ELEV. 87.6			8. TOP OF DAM ELEV.			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					1948					
	b. POWER										
	c. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION										
	e. CONSERVATION	100.0	1.51	8.12	8.12	1948					
	f. INACTIVE										
17. LENGTH OF RESERVOIR 0.085 MILES			AV. WIDTH OF RESERVOIR 0.031 MILES								
WATERSHED	18. TOTAL DRAINAGE AREA (49 Ac) .077 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 34.20 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA .074 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES							
	20. LENGTH MILES; AV. WIDTH 87.6 MILES			24. MEAN ANNUAL RUNOFF AC.-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.			
	1948	0	0	-	-	1.51	8.12	105.5			
	1957	9	9	Range Detailed	4	1.51	6.71	87.1			
	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				
	1957	1.41	.157	2.04	1.41	.157	2.04				
	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					
1957	65 1/	2888	2888	1.93	17.4						

* Assumed elevation
1/ Assumed dry weight av.

