

RESERVOIR SEDIMENTATION
DATA SUMMARY

Scott No. 2

NAME OF RESERVOIR

36-16

DATA SHEET NO.

DAM	1. OWNER L.D. Erickson			2. RIVER Scott Creek			3. STATE So. Dak.				
	4. SEC. 12 TWP. 94 RANGE 49			5. NEAREST TOWN Alcester			6. COUNTY Union				
	7. STREAM BED ELEV. 83			8. TOP OF DAM ELEV 105.6			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					Oct., 1936					
	b. POWER										
	c. WATER SUPPLY	100.0	2.31	7.36	7.36	16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION										
	e. CONSERVATION										
	f. INACTIVE										
17. LENGTH OF RESERVOIR 0.17 MILES		AV. WIDTH OF RESERVOIR 0.04 MILES									
WATERSHED	18. TOTAL DRAINAGE AREA 0.152 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 24.84 INCHES								
	19. NET SEDIMENT CONTRIBUTING AREA 0.152 SQ. MI.		23. MEAN ANNUAL RUNOFF 1.0 INCHES								
	20. LENGTH 45 MILES; AV. WIDTH .40 MILES		24. MEAN ANNUAL RUNOFF 8.1 AC.-FT.								
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION Sub-humid						
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.			
	10-1936	0	0	--	--	2.31	7.36	48.42			
	4-1955	18.5	18.5	Range	9	2.31	3.14	20.65			
	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				
	4-1955	17.0-36.0	8.1	10.8	149.85	8.1	149.85**				
	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				
	4-1955	4.22	0.228	1.52	4.22**	0.228**	1.52**				
	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 P.P.M.				
		a. PERIOD	b. TOTAL TO DATE	a. AV. ANNUAL	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE				
4-1955	56.4	1867.2	--	.03	.573	25,578	25,528**				

* Assumed elevation.

** As of 4-1955

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
Underwater Samples
 No. 1 - 56.29 pcf
 No. 2 - 53.48
 No. 3 - 59.41
 Ave. - 56.40

48. AGENCY SUPPLYING DATA USDA - SCS, WWPP

49. DATE Jan. 30, 1962