

**RESERVOIR SEDIMENT
DATA SUMMARY**

SCS-34 Rev. 6-62

KAUBISCH RESERVOIR

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

39-3

DATA SHEET NO.

DAM	1. OWNER Herman Kaubisch		2. STREAM Trib. to Moreau		3. STATE S. Dak.			
	4. SEC. 29 TWP. 14 RANGE 12		5. NEAREST TOWN Sorum		6. COUNTY Perkins			
	7. STREAM BED ELEVATION 81.2		8. TOP OF DAM ELEVATION 105		9. SPILLWAY CREST ELEV. 100			
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. ORIGINAL SURFACE AREA ACRES	13. ORIGINAL CAPACITY ACRE-FEET	14. GROSS STORAGE ACRE-FEET	15. DATE STORAGE BEGAN		
	a. MULTIPLE USE					Aug. 1924		
	b. FLOOD CONTROL							
	c. POWER							
	d. WATER SUPPLY	100	27.15	389.8	389.8	16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION					Aug. 1924		
	f. CONSERVATION							
	g. SEDIMENT							
	h. INACTIVE							
17. LENGTH OF RESERVOIR 0.34 MILES			AV. WIDTH OF RESERVOIR 0.12 MILES					
18. TOTAL DRAINAGE AREA 2.20 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 16.4(49 yrs.) INCHES					
19. NET SEDIMENT CONTRIBUTING AREA 1.97 SQ. MI.			23. MEAN ANNUAL RUNOFF 0.43 INCHES					
20. LENGTH 2.6 MILES			AV. WIDTH 0.85 MILES					
21. MAX. ELEV.			MIN. ELEV.					
			25. CLIMATIC CLASSIFICATION semi-arid					
WATERSHED	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.
	8-24					27.15	389.8	
	8-64	40	40	Range (D)	4 R	27.15	380.75	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	
	8-64	16.4	45.2	2/	1808	45.2	1808	
	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	
	8-64	9.05	0.23	0.12	9.05	0.23	0.12	
	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. AN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
8-64	60*	156.8	156.8	0.06	2.3	4810	4810	

* Assumed

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION												
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION												
2/													

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														
8-64	11	10	10	10	10	10	7	6	9	17					

45. RANGE IN RESERVOIR OPERATION							
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV. #	INFLOW AC.-FT.
2/							

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
2/								

47. REMARKS AND REFERENCES
 1/ Omitted due to upstream reservoirs
 2/ Data not available
Land use in watershed
 Pasture 100%
Geology
 Hell Creek & Fox Hills fms. of Upper Cretaceous Age

48. AGENCY MAKING SURVEY
 49. AGENCY SUPPLYING DATA SCS, Huron, S. Dak. 50. DATE Feb. 2, 1965