

RESERVOIR SEDIMENT

DATA SUMMARY

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Sheffels

NAME OF RESERVOIR

75-19

DATA SHEET NO.

DAM	1. OWNER Jerry Sheffels				2. STREAM		3. STATE Washington					
	4. SEC. 16 TWP. 27N RANGE 32E			5. NEAREST P.O. Wilbur		6. COUNTY Lincoln						
	7. LAT 47° 50'		" LONG. 118 48"		8. TOP OF DAM ELEVATION 104.0		9. SPILLWAY CREST ELEV. 100.0					
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. FLOOD CONTROL										16. DATE NORMAL OPER. BEGAN	
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION											
	f. CONSERVATION		100*		1.81		5.1		5.1			
g. INACTIVE										4-63		
WATERSHED	17. LENGTH OF RESERVOIR 0.12 MILES				AV. WIDTH OF RESERVOIR .05 MILES							
	18. TOTAL DRAINAGE AREA 4.77 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 12.0 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 4.77 SQ. MI.				23. MEAN ANNUAL RUNOFF 1.0 INCHES							
	20. LENGTH 3.0 MILES		AV. WIDTH 1.59 MILES		24. MEAN ANNUAL RUNOFF 254.0 AC.-FT.							
	21. MAX. ELEV.		MIN. ELEV.		25. ANNUAL TEMP.: MEAN 46.6 RANGE 67.4-24.3							
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/I. RATIO, AC.-FT. PER AC.-FT.			
	4-63		-	-	-	-	1.81	5.1	.02			
	5-69		6	6	Range (D)	3	1.10	0.85	.003			
	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 CAPACITY LOSS, 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				
	5-69		4.25	0.71	0.15	4.25	0.71	0.15				
	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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE					
5-69		.70**	229	229	14	83						

* Sediment debris basin.

** Estimated (semi-aerated reservoir)

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

Geology - windblown silts overlies basalt rock.

Soils - Bagdad Sil.

Land Use - small grain-fallow rotation (85%)
grass (15%)

48. AGENCY MAKING SURVEY Soil Conservation Service
49. AGENCY SUPPLYING DATA Soil Conservation Service

50. DATE 6-5-69