

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

Schoesler

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

75-14

DATA SHEET NO.

DATA	1. OWNER C. Schoesler			2. STREAM No name			3. STATE Washington					
	4. SEC. SW 6 TWP. 20 N RANGE 35 E			5. NEAREST P.O. Ritzville			6. COUNTY Adams					
	7. LA 47° 15' "LONG 118° 27' "			8. TOP OF DAM ELEVATION 103.0			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											
	e. IRRIGATION											
	f. CONSERVATION		100*		1.8		2.24		2.24		6-51	
g. INACTIVE												
WATERSHED	17. LENGTH OF RESERVOIR 0.14 MILES				AV. WIDTH OF RESERVOIR 0.02 MILES							
	18. TOTAL DRAINAGE AREA 0.31 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 10.0 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 0.31 SQ. MI.				23. MEAN ANNUAL RUNOFF 0.37 INCHES							
	20. LENGTH MILES		AV. WIDTH MILES		24. MEAN ANNUAL RUNOFF 6.0 AC.-FT.							
	21. MAX. ELEV.		MIN. ELEV.		25. ANNUAL TEMP: MEAN 47.5 RANGE 68-25							
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.			
	6-51						1.8	2.24	0.37			
	5-69		18	18	Range (D)	6	None	None	None			
SURVEY DATA	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					
SURVEY DATA	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		2.24	0.124	0.40	2.24	0.124	0.40				
SURVEY DATA	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		80**	696.8	696.8	5.5	100					

* Sediment debris basin.

** Estimated (dry 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 - Ritzville silty loam.

Land Use - small grain-fallow rotation.

AGENCY MAKING SURVEY Soil Conservation Service
 AGENCY SUPPLYING DATA Soil Conservation Service

50. DATE June 1969