

RESERVOIR SEDIMENT  
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

Sun Spiced No. 2

SCS-34 Rev. 6-66

NAME OF RESERVOIR

75-18

DATA SHEET NO.

DAM	1. OWNER Sun Spiced				2. STREAM				3. STATE Washington															
	4. SEC. 13 TWP. 19 N RANGE 30 E				5. NEAREST P.O. Moses Lake				6. COUNTY Grant															
	7. LAT. 47°07' " LONG. 119°00' "				8. TOP OF DAM ELEVATION				9. SPILLWAY CREST ELEV.															
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										6-69													
	b. MULTIPLE USE										16. DATE NORMAL OPER. BEGAN													
	c. POWER										6-69													
	d. WATER SUPPLY																							
	e. IRRIGATION																							
	f. CONSERVATION *				1.46																			
	g. INACTIVE																							
WATERSHED	17. LENGTH OF RESERVOIR				MILES				AV. WIDTH OF RESERVOIR				MILES											
	18. TOTAL DRAINAGE AREA				0.80				SQ. MI.				22. MEAN ANNUAL PRECIPITATION				7.0				INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA				0.80				SQ. MI.				23. MEAN ANNUAL RUNOFF				INCHES							
	20. LENGTH				MILES				AV. WIDTH				MILES				24. MEAN ANNUAL RUNOFF ***				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.									
	6-69		-		-		-		-		-		-		-									
	9-70		1		1		Range (D)		3 R.		1.46		-		-									
	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											
	9-70		0.412		0.412		0.52		0.412		0.412		0.52											
	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, PPM															
		a. PERIOD		b. TOTAL TO DATE		a. AV. ANN.		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE												
9-70		60**		680		680																		

\* Sediment debris basin for irrigation return water.

\*\* Estimated weight.

\*\*\* Runoff from irrigation return water.

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
	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 -

Soils - Shano silt loam.

Land Use - 250 acres potatoes; 262 acres small grain.

48. AGENCY MAKING SURVEY      Soil Conservation Service

49. AGENCY SUPPLYING DATA      Soil Conservation Service

50. DATE      October 1970