

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Burns^{1/}

NAME OF RESERVOIR

75-8

DATA SHEET NO.

DAM	1. OWNER U.S. Forest Service			2. STREAM Burns			3. STATE Washington							
	4. SEC. 20 TWP. 28 N RANGE 19 E			5. NEAREST P.O. Ardenvoir			6. COUNTY Chelan							
	7. LAT. 47° 57' " LONG 120° 28' "			8. TOP OF DAM ELEVATION 2733			9. SPILLWAY CREST ELEV. 2730							
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										1959			
	f. CONSERVATION													
g. INACTIVE		2730		.0173		.4697		.4697						
WATERSHED	17. LENGTH OF RESERVOIR .0075 MILES				AV. WIDTH OF RESERVOIR .0035 MILES									
	18. TOTAL DRAINAGE AREA 2.18 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 20.7 INCHES									
	19. NET SEDIMENT CONTRIBUTING AREA 2.18 SQ. MI.				23. MEAN ANNUAL RUNOFF 5.977 INCHES									
	20. LENGTH 3 MILES		AV. WIDTH 1 MILES		24. MEAN ANNUAL RUNOFF 693.7 AC.-FT.									
	21. MAX. ELEV. 7100		MIN. ELEV. 2730		25. ANNUAL TEMP.: MEAN 44.3 RANGE -18 to 100 F									
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.	
	Begin summer 1965													
	1966		1	1										
	1967		1	2										
	1968		1	3										
	1969		1	4										
	1970		1	5										
	1971		1	6										
	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			
	1966		13-27"		693.7				693.7		693.7		693.7	
	1967												1387	
	1968												2081	
	1969												2774	
	1970												3468	
1971												4161		
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		
1966								0		0		0		
1967								0		0		0		
1968								0		0		0		
1969								0		0		0		
1970								0		0		0		
1971								.08		.08		.0366		
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		
1966		110		0		0								
1967				0		0								
1968				0		0								
1969				0		0								
1970				0		0								
1971				87.9		87.9								

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														
<p><u>1/</u> Weir pond used for research at which sediment is measured on an annual basis and is cleaned after each measurement.</p> <p><u>2/</u> Watershed vegetation destroyed by wildfire August 1970.</p>														
48. AGENCY MAKING SURVEY 49. AGENCY SUPPLYING DATA Forest Service														
													50. DATE _____	