

RESERVOIR SEDIMENT
DATA SUMMARY

1/
McCree
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

SCS-34 Rev. 6-66

75-9
DATA SHEET NO.

DAM	1. OWNER U.S. Forest Service			2. STREAM McCree			3. STATE Washington									
	4. SEC. 28 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 2103			9. SPILLWAY CREST ELEV. 2100									
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 1960					
	b. MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY															
	e. IRRIGATION															
	f. CONSERVATION															
	g. INACTIVE		2100		.0014		.0273		.0273		1960					
17. LENGTH OF RESERVOIR .005 MILES				AV. WIDTH OF RESERVOIR .0035 MILES												
18. TOTAL DRAINAGE AREA 1.985 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 20.7 INCHES												
19. NET SEDIMENT CONTRIBUTING AREA 1.985 SQ. MI.				23. MEAN ANNUAL RUNOFF 4.368 INCHES												
20. LENGTH 3 MILES		AV. WIDTH 1 MILES		24. MEAN ANNUAL RUNOFF 462.3 AC.-FT.												
21. MAX. ELEV. 7100		MIN. ELEV. 2100		25. ANNUAL TEMP.: MEAN 44.3 RANGE -18 to 100												
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/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"		462.3				462.3		462.3		462.3				
1967												924.6				
1968												1386.9				
1969												1849.2				
1970												2311.5				
1971												2773.8				
SURVEY DATA	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								.0328		.0328		.0165			
	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				39.7		39.7										

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

1/ Weir pond used for research at which sediment is measured on an annual basis and is cleaned after each measurement.

2/ Watershed vegetation destroyed by wildfire August 1970.

48. AGENCY MAKING SURVEY

49. AGENCY SUPPLYING DATA Forest Service

50. DATE _____