

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Koch
NAME OF RESERVOIR

76-19

DATA SHEET NO.

DAM	1. OWNER P. Koch				2. STREAM Trib. to rock				3. STATE WA.							
	4. SEC. NW $\frac{1}{4}$ 9 TWP. 22N RANGE 45E				5. NEAREST P.O. Fairfield				6. COUNTY Spokane							
	7. LAT 47° 24' " LONG 117° 8' "				8. TOP OF DAM ELEVATION 103				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										10/66					
	b. MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	e. IRRIGATION															
	f. CONSERVATION				1.59		3.88		3.88		10/66					
	g. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR				0.011 MILES				AV. WIDTH OF RESERVOIR				0.23 MILES			
	18. TOTAL DRAINAGE AREA				0.187 SQ. MI.				22. MEAN ANNUAL PRECIPITATION				19.0 INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA				0.185 SQ. MI.				23. MEAN ANNUAL RUNOFF				5.0 INCHES			
	20. LENGTH		.5 MILES		AV. WIDTH		0.37 MILES		24. MEAN ANNUAL RUNOFF		50.0 AC.-F.T.					
	21. MAX. ELEV.		2640		MIN. ELEV.		2580		25. ANNUAL TEMP: MEAN		46		RANGE		70-21	
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.				
	10/66		--	--	--	--		1.59		3.88		0.08				
	7/71		5	5	Range (D)	4		1.59		3.55		0.07				
	7/73		2	7	"	3		1.59		3.36		0.07				
	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			
	7/71		.33		.066		0.36		.33		.066		0.36			
7/73		.19		.095		0.51		.52		.074		0.40				
26. DATE OF SURVEY		39. AV. DRY WGT., LBS. PER CU. FT.		40. SED. DEP., TONS PERSQ. 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		
7/71		60		467		467		1.7		8.5						
7/73		60		672		526		1.9		13.4						

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															
<p>Geology - Loess soils Soils - Nez Perce and Naft silty loams Land Use - Woodland 10% Grass 50% Wheat 40% All main waterways are grassed.</p>															
48. AGENCY MAKING SURVEY				Soil Conservation Service											
49. AGENCY SUPPLYING DATA				Soil Conservation Service											
						50. DATE <u>August 1973</u>									