

RESERVOIR SEDIMENT DATA SUMMARY

HOVRUD SEDIMENT BASIN

76-26
DATA SHEET NO.

NAME OF RESERVOIR

DAM	1. OWNER JEROME HOVRUD		2. STREAM UNNAMED TRIB TUCN.R		3. STATE WASHINGTON			
	4. SEC. 11 TWP. 11 RANGE 40E		5. NEAREST P.O. DAYTON, WA		6. COUNTY COLUMBIA			
	7. LAT 46° 26' 30" LONG. 117° 46' 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					NOV 1987		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION					NOV 1987		
	f. CONSERVATION		2.7	9.1	9.1			
g. INACTIVE								
17. LENGTH OF RESERVOIR .15 MILES		AV. WIDTH OF RESERVOIR .07 MILES						
WATERSHED	18. TOTAL DRAINAGE AREA 3.6 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 16 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 3.6 SQ. MI.		23. MEAN ANNUAL RUNOFF 6 INCHES					
	20. LENGTH 2.1 MILES	AV. WIDTH 1.2 MILES	24. MEAN ANNUAL RUNOFF 1144 AC.-FT.					
	21. MAX. ELEV. 2800		MIN. ELEV. 1400		25. ANNUAL TEMP.: MEAN 50.8° RANGE +1° to 102° 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.
	8-88	.75	.75	Range	11	2.7	8.1	
	8-89	1	1.75	Range	11	2.7	7.32	
	8-90	1	2.75	Range	11	2.7	7.32	
	8-91	1	3.75	Range	11	2.7	7.32	
	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	
	8-88	15.67*	N/A					
	8-89	19.18	-					
	8-90	16.89						
	8-91	20.61						
	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	
	8-88	0.99	0.99*	.28	0.99	0.99*	.28	
	8-89	1.77	1.01	.28	1.77	1.01	.28	
8-90	1.77	.64	.18	1.77	.64	.18		
8-91	1.77	.47	.13	1.77	.47	.13		
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	
8-88	71.5	428	428	10	10			
8-89	68.8	327	315	11	19			
8-90	N/A	0	270	7	19			
8-91	N/A	0	194	5	19			

*REPRESENTS LESS THAN 1 YEAR OF ACCUMULATION.

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

THIS IS A DESILTING BASIN DESIGNED TO REDUCE THE AMOUNT OF SEDIMENT AND CONTAMINENTS ENTERING THE TUCANNON RIVER.

48. AGENCY MAKING SURVEY USDA-SCS

49. AGENCY SUPPLYING DATA USDA-SCS

50. DATE 3/24/92