

RESERVOIR SEDIMENT DATA SUMMARY

HOWARD SEDIMENT BASIN

76-25

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER HOWARD BROS.			2. STREAM UNNAMED TRIB TUCN. R.			3. STATE WASHINGTON					
	4. SEC. 25 TWP. 11N RANGE 40E			5. NEAREST P.O. DAYTON, WA			6. COUNTY COLUMBIA					
	7. LAT. 46° 25' 00" LONG 117° 44' 50"			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											
	f. CONSERVATION				3.1		9.62		9.62		NOV 1987	
WATERSHED	17. LENGTH OF RESERVOIR .12 MILES				AV. WIDTH OF RESERVOIR .11 MILES							
	18. TOTAL DRAINAGE AREA 4.74 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 16 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 4.74 SQ. MI.				23. MEAN ANNUAL RUNOFF 6 INCHES							
	20. LENGTH 2.5 MILES		AV. WIDTH 1.3 MILES		24. MEAN ANNUAL RUNOFF 1516 AC.-FT.							
	21. MAX. ELEV. 3000		MIN. ELEV. 1420		25. ANNUAL TEMP.: MEAN 50.8° RANGE +10 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	9	9.62	8.15				
	8-89		1	1.75	Range	9	9.62	7.2				
	8-90		1	2.75	Range	9	9.62	6.82				
	8-91		1	3.75	Range	9	9.62	6.77				
	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		1.47	1.47*	0.51	1.47	1.47*	0.51				
	8-89		2.35	1.34	.28	2.35	1.34	.28				
8-90		2.73	.99	.21	2.73	.99	.21					
8-91		2.78	.74	.16	2.78	.74	.16					
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		78.6	531	531	15	15						
8-89		71.0	308	433	14	24						
8-90		71.0**	124	325	10	28						
8-91		71.0**	14	247	8	29						

*REPRESENTS LESS THAN 1 YEAR OF ACCUMULATION.

**ESTIMATED

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					