

RESERVOIR SEDIMENTATION
DATA SUMMARY

Mrs. Weiss No. 1 Pond
NAME OF RESERVOIR

Col. R. Bassle

76-1

DATA SHEET NO.

DAM	1. OWNER Mrs. Weiss			2. RIVER Asotin Creek			3. STATE Washington				
	4. SEC. 11 TWP. 8N RANGE 4E			5. NEAREST TOWN Asotin			6. COUNTY Asotin				
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV.				
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. SURFACE AREA ACRES	13. STORAGE ACRE- FEET	14. ACCUMULATED ACRE- FEET	15. DATE STORAGE BEGAN					
	a. FLOOD CONTROL										
	b. POWER					1945					
	c. WATER SUPPLY		0.45	1.45	1.45	16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION										
	e. CONSERVATION										
	f. INACTIVE					1945					
17. LENGTH OF RESERVOIR .02 MILES			AV. WIDTH OF RESERVOIR .03 MILES								
WATERSHED	18. TOTAL DRAINAGE AREA .129 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 24 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA .128 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES							
	20. LENGTH MILES		AV. WIDTH MILES		24. MEAN ANNUAL RUNOFF AC.-FT.						
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION Sub-humid						
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/W RATIO AC.-FT. PER SQ. MI.			
	1945	-	-	-	-	0.45	1.45	11.2			
	9/27/51	6	6	Range Detailed	3	0.45	1.23	9.6			
	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.				
	26. DATE OF SURVEY	37. PERIOD SEDIMENT DEPOSITS 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				
	9/27/51	.22	0.04	0.31	.22	0.04	0.31				
	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. ANNUAL	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE				
9/27/51	70*	473	473	2.76	15.17	-	-				

*Assumed

26.	DATE OF SURVEY	43.	DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, 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>Flaxman, E. M. and Hobba, R. L. "Some Factors Affecting Rates of Sedimentation in the Columbia River Basin", March 1954, 20 pp., illus. Being processed for publication.</p>																	
48.	AGENCY SUPPLYING DATA																	
	SCS, Portland, Oregon																	
	49. DATE _____																	