

RESERVOIR SEDIMENTATION
DATA SUMMARY

High Valley Ranch No. 2 Pond
NAME OF RESERVOIR

75-3

DATA SHEET NO.

Col. R. basalt

DAM	1. OWNER <u>High Valley Ranch</u>			2. RIVER <u>Wenas Creek</u>			3. STATE <u>Washington</u>			
	4. SEC. <u>21</u> TWP. <u>15 N</u> RANGE <u>18E</u>			5. NEAREST TOWN <u>Ellensburg</u>			6. COUNTY <u>Kittitas</u>			
	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					1940				
	c. WATER SUPPLY		0.22	0.58	0.58	16. DATE NORMAL OPER. BEGAN				
	d. IRRIGATION									
	e. CONSERVATION									
	f. INACTIVE					1940				
17. LENGTH OF RESERVOIR			.01	MILES	AV. WIDTH OF RESERVOIR			.02	MILES	
WATERSHED	18. TOTAL DRAINAGE AREA			.184	SQ. MI.	22. MEAN ANNUAL PRECIPITATION			12	INCHES
	19. NET SEDIMENT CONTRIBUTING AREA			.184	SQ. MI.	23. MEAN ANNUAL RUNOFF				INCHES
	20. LENGTH		AV. WIDTH			24. MEAN ANNUAL RUNOFF			AG.-FT.	
	21. MAX. ELEV.		MIN. ELEV.			25. CLIMATIC CLASSIFICATION				Semi-Arid
	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.	
1940		-	-	-	-	0.22	0.58	3.15		
10/17/51		11	11	Range Detailed	2	0.22	0.51	2.77		
SURVEY DATA	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	d. TOTAL TO DATE	e. AV. ANNUAL	f. PER SQ. MI.-YEAR		
10/17/51		0.07	0.007	0.04	0.07	0.007	0.04			
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			
10/17/51		70*	61.0	61.0	1.21	12.07	-			

*Assumed

