

RESERVOIR SEDIMENTATION
DATA SUMMARY

Dan Holt Pond

NAME OF RESERVOIR

Col. R. b2s217

76-5

DATA SHEET NO.

DAM	1. OWNER Dan Holt				2. RIVER Latah Creek				3. STATE Washington															
	4. SEC. 4 TWP. 21 RANGE 45E				5. NEAREST TOWN Waverly				6. COUNTY Spokane															
	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										1944													
	b. POWER																							
	c. WATER SUPPLY				0.44		2.20		2.20		16. DATE NORMAL OPER. BEGAN													
	d. IRRIGATION																							
	e. CONSERVATION																							
	f. INACTIVE										1944													
17. LENGTH OF RESERVOIR				MILES				AV. WIDTH OF RESERVOIR				MILES												
WATERSHED	18. TOTAL DRAINAGE AREA				.110				SQ. MI.				22. MEAN ANNUAL PRECIPITATION				20				INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA				.109				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				Semi-arid							
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.									
	1944		-		-		-		-		0.44		2.20		20.0									
	10/22/51		7		7		-		-		0.44		2.11		19.1									
	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		d. 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		b. AV. ANNUAL		c. PER SQ. MI.- YEAR											
	10/22/51		0.09		0.013		0.12		0.09		0.013		0.12											
	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										
10/22/51		70*		183		183		0.59		4.09		-		-										

* 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

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