

RESERVOIR SEDIMENT DATA SUMMARY

Calodus-Lancaster Fruit Co.
NAME OF RESERVOIR

75 - 24

DATA SHEET NO.

DAM	1. OWNER Calodus-Lancaster		2. STREAM Unamed		3. STATE WA			
	4. SEC. 27 TWP. 14 RANGE 18E		5. NEAREST P.O. Selah		6. COUNTY Yakima			
	7. LAT 46° 40' " LONG. 120° 30' "		8. TOP OF DAM ELEVATION 100' 1/		9. SPILLWAY CREST ELEV. 97.0			
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					1968		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY	97'	.25	.74	.74	16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION					1968		
	f. CONSERVATION							
	g. INACTIVE							
17. LENGTH OF RESERVOIR	200 Ft.		MILES	AV. WIDTH OF RESERVOIR	70 Ft.			
WATERSHED	18. TOTAL DRAINAGE AREA	.07		SQ. MI.	22. MEAN ANNUAL PRECIPITATION	8		
	19. NET SEDIMENT CONTRIBUTING AREA	.07		SQ. MI.	23. MEAN ANNUAL RUNOFF	1.0		
	20. LENGTH	.17	MILES	AV. WIDTH	.4	MILES		
	21. MAX. ELEV.	1940		MIN. ELEV.	1930		25. ANNUAL TEMP.: MEAN 50° RANGE 63° - 35°	
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.
	May 68	--	--	--	--	.25	0.74	.20
	May 19, 1976	8	8	Range D	3	.25	0.62	.17
	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 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	
	May 19, 1976	.12	.015	.21	.12	.015	.21	
	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	
May 19, 1976	60 1/	281.6	281.6	2	16			

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															
<p>Geology: Soil overlying basalt rock Land Use: Orchard w/cover crop (46 ac.) irrigated Soils: Ritzville silt loam 1-8% slopes</p> <p>1/ Assumed</p>															
48. AGENCY MAKING SURVEY	Soil Conservation Service			50. DATE	May 25, 1976										
49. AGENCY SUPPLYING DATA	Soil Conservation Service														