

RESERVOIR SEDIMENT DATA SUMMARY

Plat I Reservoir

NAME OF RESERVOIR

73 - 6

DATA SHEET NO.

DAM	1. OWNER Sutherlin WCD		2. STREAM Sutherlin Creek		3. STATE Oregon				
	4. SEC. 14 TWP. 25 S RANGE 5 W		5. NEAREST P.O. Sutherlin		6. COUNTY Douglas				
	7. LAT. 43° 23' 39" LONG. 123° 15' 00"		8. TOP OF DAM ELEVATION 600.7		9. SPILLWAY CREST ELEV. 595.1				
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	595.1	250	1300	2175	Nov. 1966			
	b. MULTIPLE USE								
	c. POWER								
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN			
	e. IRRIGATION	588.7	155	813	875				
	f. CONSERVATION								
	g. INACTIVE	579.4	22	62	62	May 1968			
WATERSHED	17. LENGTH OF RESERVOIR 0.38 2/ MILES		AV. WIDTH OF RESERVOIR 1.03 MILES						
	18. TOTAL DRAINAGE AREA 9.0 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 40 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 8.6 SQ. MI.		23. MEAN ANNUAL RUNOFF 20 INCHES						
	20. LENGTH 4 MILES		AV. WIDTH 2.25 MILES		24. MEAN ANNUAL RUNOFF 9600 AC.-FT.				
	21. MAX. ELEV. 1900		MIN. ELEV. 590		25. ANNUAL TEMP.: MEAN 53° RANGE 40° - 68°				
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.	
	Nov. 1966	--	--			250	2175	0.227	
	February 1976	9.35	9.35	Range	27	250	2156	0.22	
	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		
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	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		
	February 1976	19.0	2.03	0.24	19.0	2.03	0.24		
	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			
February 1976	80	412	412	0.09	0.87	--	--		

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
	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

2/ This reservoir has two major arms.
 Land Use - 30% Pasture, 5% brush pasture, 10% brush-hardwood, 55% forest (Douglas Fir).
 Soils - Floodplain; Anlauf-Drain, unnamed-Oakland, Yoncalla-unnamed-Drain, Yoncalla-Anlauf.
 Uplands: Willakenzie-unnamed.
 Geology - Umpqua Sedimentary rocks.

48. AGENCY MAKING SURVEY Soil Conservation Service
 49. AGENCY SUPPLYING DATA Soil Conservation Service
 50. DATE January 1978