

RESERVOIR SEDIMENT
DATA SUMMARY

Winfred Spendlove

CS-34 Rev. 6-66

NAME OF RESERVOIR

62-13

DATA SHEET NO.

DAM	1. OWNER Winfred Spendlove		2. STREAM Trib. to Fort Pearce Wash		3. STATE Utah		
	4. SEC. 21 TWP. 43S RANGE 13W		5. NEAREST P.O. St. George		6. COUNTY Washington		
	7. LAT. 37°02' " LONG. 113°19' "		8. TOP OF DAM ELEVATION --		9. SPILLWAY CREST ELEV.		
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			7.0*	7.0*	1946	
	b. MULTIPLE USE						
	c. POWER					16. DATE NORMAL OPER. BEGAN	
	d. WATER SUPPLY						
	e. IRRIGATION					1946	
	f. CONSERVATION						
	g. INACTIVE						
17. LENGTH OF RESERVOIR 650 feet		18. AV. WIDTH OF RESERVOIR 300 feet		19. DATE STORAGE BEGAN			
WATERSHED	18. TOTAL DRAINAGE AREA 0.85 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 8 INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 0.84 SQ. MI.		23. MEAN ANNUAL RUNOFF 0.16 INCHES				
	20. LENGTH 1.6 MILES	21. AV. WIDTH 0.5 MILES	24. MEAN ANNUAL RUNOFF 7.2 AC.-FT.				
	21. MAX. ELEV. 4,800		25. MIN. ELEV. 3,360		25. ANNUAL TEMP: MEAN 62° RANGE 39°-84°F		
	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
3-31-66	20	20	Range R	14	4.5*	7.0*	
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	
3-31-66	7.1 1/	0.355	0.42	7.1 1/	0.355	0.42	
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
3-31-66	87.5	800	800	--	--	--	--

*Assumed or estimated

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														
<p>Profile and x-section survey - no original topography Cover - brush Geology - Kaibab, Moenkopi and Kayenta formations and alluvium</p> <p><u>1/</u> Includes deposition above spwy. crest level</p>														
48. AGENCY MAKING SURVEY Utah State Watershed Planning Party														
49. AGENCY SUPPLYING DATA Soil Conservation Service														
50. DATE 10-14-71														