

RESERVOIR SEDIMENT

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

DATA SUMMARY

Rondo Ruesch Debris Basin #2

NAME OF RESERVOIR

62 -10

DATA SHEET NO.

S-34 Rev. 6-66

DAM	1. OWNER --		2. STREAM trib. to Virgin Rv.		3. STATE Utah		
	4. SEC. 19 TWP. 42S RANGE 14W		5. NEAREST P.O. St. George		6. COUNTY Washington		
	7. LAT. 37° 07' " LONG 113° 28' "		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			1.5*	1.5*	1944	
	b. MULTIPLE USE						
	c. POWER						
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION						
	f. CONSERVATION					1944	
g. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR 300 feet		AV. WIDTH OF RESERVOIR 200 feet	18. TOTAL DRAINAGE AREA 0.026 SQ. MI.			
	19. NET SEDIMENT CONTRIBUTING AREA 0.026 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 8.5 INCHES		23. MEAN ANNUAL RUNOFF 0.2 INCHES		
	20. LENGTH 0.23 MILES	AV. WIDTH 0.1 MILES	24. MEAN ANNUAL RUNOFF 0.28 AC.-FT.		25. ANNUAL TEMP: MEAN 62° RANGE 39°-84°F		
	21. MAX. ELEV. 2,960	MIN. ELEV. 2,700					
	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
2-10-66	22	22	Range R	10	1.4*	1.5*	
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
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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	
2-10-66	1.93 <u>1</u> /	0.087	3.35	1.93 <u>1</u> /	0.087	3.35	
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
2-10-66	90*	6,566	6,566	--	--	--	--

*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	-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>Profile and x-section survey - no original topography Cover - brush and annuals Geology - Kaibab and Moenkopi formations</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															