

RESERVOIR SEDIMENT
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

CS-34 Rev. 6-66

Rondo Ruesch Debris Basin #1
NAME OF RESERVOIR

62 -11

DATA SHEET NO.

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						1.0*		1.0*		1944							
	b. MULTIPLE USE																	
	c. POWER										16. DATE NORMAL OPER. BEGAN							
	d. WATER SUPPLY																	
	e. IRRIGATION										1944							
	f. CONSERVATION																	
	g. INACTIVE																	
17. LENGTH OF RESERVOIR		435 feet		MILES		AV. WIDTH OF RESERVOIR		100 feet		FEET								
WATERSHED	18. TOTAL DRAINAGE AREA			0.09			SQ. MI.			22. MEAN ANNUAL PRECIPITATION			8.5			INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA			0.09			SQ. MI.			23. MEAN ANNUAL RUNOFF			0.2			INCHES		
	20. LENGTH		0.5		MILES		AV. WIDTH		0.1		MILES		24. MEAN ANNUAL RUNOFF		0.96		AC.-FT.	
	21. MAX. ELEV.		3,000		MIN. ELEV.		2,700		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		33. C/I. RATIO, AC.-FT. PER AC.-FT.			
2-10-66		22		22		Range R		10 R		1.0*		1.0*		1.0				
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												
2-10-66		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		1.23 1/		0.055		0.61		1.23 1/		0.055		0.61						
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										
2-10-66		90*		a. PERIOD		b. TOTAL TO DATE		a. AV. ANN.		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE				
2-10-66		90*		1196		1196		--		--		--		--				

*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 cross-section survey - no original topography Cover - brush and annuals Geology - Kaibab, Moenkopi 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 10-13-71					