

RESERVOIR SEDIMENT
DATA SUMMARY

5-34 Rev. 6-66

Iliff Andrus
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

62-12

DATA SHEET NO.

DAM	1. OWNER <u>Iliff Andrus</u>				2. STREAM trib. to <u>Warner Drw</u>		3. STATE <u>Utah</u>							
	4. SEC. <u>2</u> TWP. <u>43S</u> RANGE <u>15W</u>			5. NEAREST P.O. <u>St. George</u>		6. COUNTY <u>Washington</u>								
	7. LAT. <u>37° 04'</u>		"LONG. <u>113 29'</u> "		8. TOP OF DAM ELEVATION <u>--</u>		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						20*		20*		16. DATE NORMAL OPER. BEGAN Summer 1949			
	b. MULTIPLE USE													
	c. POWER													
	d. WATER SUPPLY													
	e. IRRIGATION													
	f. CONSERVATION													
g. INACTIVE														
WATERSHED	17. LENGTH OF RESERVOIR <u>350 feet</u>				MILES		AV. WIDTH OF RESERVOIR <u>800 feet</u>				FOOTES			
	18. TOTAL DRAINAGE AREA <u>1.09</u>				SQ. MI.		22. MEAN ANNUAL PRECIPITATION <u>9</u>				INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA <u>1.08</u>				SQ. MI.		23. MEAN ANNUAL RUNOFF <u>0.16</u>				INCHES			
	20. LENGTH <u>1.5</u>		MILES		AV. WIDTH <u>0.7</u>		MILES		24. MEAN ANNUAL RUNOFF <u>9.3</u>				AC.-FT.	
	21. MAX. ELEV. <u>3,280</u>			MIN. ELEV. <u>2,680</u>			25. ANNUAL TEMP.: MEAN <u>62°</u> RANGE <u>39°-84° F</u>							
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.	
	1-3-66		17	17	Range R		8		6.4*		20*		2.2	
	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	
	1-3-66		13.9 <u>1/</u>		0.82		0.76		13.9 <u>1/</u>		0.82		0.76	
	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	
1-3-66		78		1,290		1,290		--		--		--		

*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

Survey by auger borings
 Cover - brush and annuals
 Geology - Moenkopi and alluvium

1/ Includes deposition above spwy. crest level

48. AGENCY MAKING SURVEY Utah State Watershed Planning Party
 49. AGENCY SUPPLYING DATA Soil Conservation Service
 50. DATE 10-14-71