

RESERVOIR SEDIMENT  
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

CCC Pond (East)

NAME OF RESERVOIR

S-34 Rev. 6-66

62-9

DATA SHEET NO.

DAM	1. OWNER Shivwits Indian Res.			2. STREAM <sup>Trib to Santa</sup> Clara River			3. STATE Utah					
	4. SEC. 5 TWP. 42S RANGE 17W		5. NEAREST P.O. St. George			6. COUNTY Washington						
	7. LAT. 37° 09' " LONG. 113° 47' "			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						0.2*		0.2*		1941	
	b. MULTIPLE USE										16. DATE NORMAL OPER. BEGAN	
	c. POWER										1941	
	d. WATER SUPPLY											
	e. IRRIGATION											
	f. CONSERVATION											
g. INACTIVE												
WATERSHED	17. LENGTH OF RESERVOIR 50 feet				18. AV. WIDTH OF RESERVOIR 100 feet							
	18. TOTAL DRAINAGE AREA 0.32 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 10 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 0.32 SQ. MI.				23. MEAN ANNUAL RUNOFF 0.2 INCHES							
	20. LENGTH 1.0 MILES		AV. WIDTH 0.3 MILES		24. MEAN ANNUAL RUNOFF 3.4 AC.-FT.							
21. MAX. ELEV. 4,040		MIN. ELEV. 3,640		25. ANNUAL TEMP: MEAN 62° RANGE 39°-84°F								
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.		
	4-11-66		25	25	Range R		3	0.1*	0.2*	0.06		
	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				
	4-11-66		0.14 1/	0.005	0.017	0.14 1/	0.005	0.017				
	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				
4-11-66		90	33	33	--	--	--	--				

\*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 borings, x-sections and profiles - no original topography  
 Cover - Black sage and juniper  
 Geology - Virgin limestone member of Moenkopi formation

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