

RESERVOIR SEDIMENT
DATA SUMMARY

Keller Tank

NAME OF RESERVOIR

60 -46

DATA SHEET NO.

CS-34 Rev. 6-66

DAM	1. OWNER			2. STREAM Trib. of Verde River			3. STATE Arizona									
	4. SEC. 21 TWP. 3N RANGE 6E			5. NEAREST P. O. Scottsdale 12SW			6. COUNTY Maricopa									
	7. LAT. 33° 37' " LONG. 111° 45' "			8. TOP OF DAM ELEVATION 1708.2			9. SPILLWAY CREST ELEV. 1708									
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															
	b. MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY		1708		0.504		1.529		1.529		16. DATE NORMAL OPER. BEGAN					
	e. IRRIGATION										Apr. 25, 1941					
	f. CONSERVATION															
WATERSHED	17. LENGTH OF RESERVOIR		0.053		MILES		AV. WIDTH OF RESERVOIR		0.013		MILES					
	18. TOTAL DRAINAGE AREA		0.06		SQ. MI.		22. MEAN ANNUAL PRECIPITATION		11*		INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA		0.06		SQ. MI.		23. MEAN ANNUAL RUNOFF		0.25*		INCHES					
	20. LENGTH		0.34		MILES		AV. WIDTH		0.18		MILES					
	21. MAX. ELEV.		1850		MIN. ELEV.		1700		25. ANNUAL TEMP.: MEAN		70°F RANGE 39 - 105°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.	
	7 Aug 1970		29.2		29.2		Range (D)		5		0.504		1.529		1.91	
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET				36. WATER INFL. TO DATE, AC.-FT.							
			11" *		a. MEAN ANNUAL		b. MAX. ANNUAL		c. PERIOD TOTAL		a. MEAN ANNUAL		b. TOTAL TO DATE			
	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			
	7 Aug 1970		0.155		0.005		0.09		0.155		0.005		0.09			
	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	
								0.35		10.1						

* 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

48. AGENCY MAKING SURVEY Arizona River Basin Staff, Soil Conservation Service
 49. AGENCY SUPPLYING DATA Soil Conservation Service 50. DATE Aug. 7, 1970