

RESERVOIR SEDIMENT  
DATA SUMMARY

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

Galleta Tank

NAME OF RESERVOIR

60 -47

DATA SHEET NO.

S-34 Rev. 6-66

DAM	1. OWNER Jack Gable Allot			2. STREAM Trib. of Cent. Wash			3. STATE Arizona							
	4. SEC. 3 TWP. 2S RANGE 8W			5. NEAREST P.O. Tonopah			6. COUNTY Maricopa							
	7. LAT. 33° 17' 02" LONG. 113° 4' 10"			8. TOP OF DAM ELEVATION 95.5			9. SPILLWAY CREST ELEV. 91.7'							
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		91.7		9.38		21.0		21.0		16. DATE NORMAL OPER. BEGAN			
	e. IRRIGATION													
	f. CONSERVATION													
	g. INACTIVE										6/15/39			
WATERSHED	17. LENGTH OF RESERVOIR .249 <sup>1</sup> / <sub>4</sub> MILES				AV. WIDTH OF RESERVOIR .059 MILES									
	18. TOTAL DRAINAGE AREA 0.66 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 7.96*1 INCHES									
	19. NET SEDIMENT CONTRIBUTING AREA 0.645 SQ. MI.				23. MEAN ANNUAL RUNOFF less than .1" INCHES									
	20. LENGTH 1.78 MILES				AV. WIDTH 0.371 MILES				24. MEAN ANNUAL RUNOFF 3.168 AC.-F.T.					
	21. MAX. ELEV. 1240				MIN. ELEV. 1080				25. ANNUAL TEMP: MEAN 69.0 RANGE 33 to 106°F*2					
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.	
	4/13/67		27.9	27.9	Range (R)		5 (R)		9.38		21.0		6.63	
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET				36. WATER INFL. TO DATE, AC.-FT.					
			7.96		a. MEAN ANNUAL		b. MAX. ANNUAL		c. PERIOD TOTAL		a. MEAN ANNUAL		b. TOTAL TO DATE	
	4/13/67				--		--		--		--		--	
	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	
	4/13/67		3.85		0.14		.21		3.85		0.14		.21	
	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	
4/13/67		74.8		342		342		0.6		18.3 17.6		-- --		

\*1 Taken from Harquahala Watershed Work Plan.  
\*2 Arizona Climate - Buckeye, Arizona 1893-1960.

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

1/ Arm #1 0.089 sq. mi.  
 Arm #2 0.160 mi.

48. AGENCY MAKING SURVEY Arizona Watershed Planning Party, Soil Conservation Service  
 49. AGENCY SUPPLYING DATA Soil Conservation Service 50. DATE Aug. 21, 1967