

**RESERVOIR SEDIMENT
DATA SUMMARY**

SCS-34 Rev. 6-62

Harquahala Mt. Tank #1

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

60 - 35

DATA SHEET NO.

Unnamed Tributary of

DAM	1. OWNER Jack Clem			2. STREAM Brown's Canyon Wash			3. STATE Arizona									
	4. SEC. 6 TWP. 5N RANGE 9W			5. NEAREST TOWN Aguila			6. COUNTY Maricopa									
	7. STREAM BED ELEVATION 2175*			8. TOP OF DAM ELEVATION 2192.1*			9. SPILLWAY CREST ELEV 2187.3*									
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. MULTIPLE USE										6/58					
	b. FLOOD CONTROL															
	c. POWER															
	d. WATER SUPPLY		2187.3*		0.93		6.64		6.64		16. DATE NORMAL OPER. BEGAN 6/58					
	e. IRRIGATION															
	f. CONSERVATION															
	g. SEDIMENT										6/58					
	h. INACTIVE															
17. LENGTH OF RESERVOIR 0.045 MILES					AV. WIDTH OF RESERVOIR 0.032 MILES											
WATERSHED	18. TOTAL DRAINAGE AREA 0.11 SQ. MI.					22. MEAN ANNUAL PRECIPITATION 8.97 (33) INCHES										
	19. NET SEDIMENT CONTRIBUTING AREA 0.11 SQ. MI.					23. MEAN ANNUAL RUNOFF 0.1* INCHES										
	20. LENGTH 0.78 MILES			AV. WIDTH 0.14 MILES		24. MEAN ANNUAL RUNOFF 0.59* AC.-FT.										
	21. MAX. ELEV. 2280*			MIN. ELEV. 2175*		25. CLIMATIC CLASSIFICATION Arid										
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/W RATIO AC.-FT. PER SQ. MI.	
	6/58		---		---		---		---		0.93		6.64		60.35	
	10/8/64		6.3		6.3		Range (D)		3		0.93		6.50		59.09	
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET								36. WATER INFL. TO DATE AC.-FT.			
			6.34													
	26. DATE OF SURVEY		37. PERIOD SEDIMENT DEPOSITS 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			
	10/8/64		0.14		0.02		0.18		0.14		0.02		0.18			
	26. DATE OF SURVEY		39. AV. DRY WGT. LBS. PER CU. FT.		40. SED. DEP. TONS PERSQ. MI.-YR.				41. STORAGE LOSS PCT.		42. SED. INFLOW PPM					
					a. PERIOD		b. TOTAL TO DATE		a. AV. AN.		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE	
10/8/64		50*		196		196		0.30		2.11						

*Assumed

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, 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
 Emergency Spillway has never functioned
 Land Use in Watershed: 100% Rangeland
 Geology: 100% Quaternary-Tertiary sand, gravel and conglomerate

48. AGENCY MAKING SURVEY USDA, SCS, Watershed Planning Party, Phoenix, Arizona
 49. AGENCY SUPPLYING DATA USDA-SCS 50. DATE 1-25-65