

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-62

New Tank

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

60 - 32

DATA SHEET NO.

Unnamed Tributary of

DAM	1. OWNER <u>Jack Clem</u>			2. STREAM <u>Centennial Wash</u>			3. STATE <u>Arizona</u>									
	4. SEC. <u>30</u> TWP. <u>3N</u> RANGE <u>9W</u>			5. NEAREST TOWN <u>Tonopah</u>			6. COUNTY <u>Maricopa</u>									
	7. STREAM BED ELEVATION <u>1366.0*</u>			8. TOP OF DAM ELEVATION <u>1373.5*</u>			9. SPILLWAY CREST ELEV. <u>1370.2*</u>									
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										1945					
	b. FLOOD CONTROL															
	c. POWER										16. DATE NORMAL OPER. BEGAN					
	d. WATER SUPPLY		<u>1370.2*</u>		<u>1.14</u>		<u>7.61</u>		<u>7.61</u>							
	e. IRRIGATION										1945					
	f. CONSERVATION															
	g. SEDIMENT															
h. INACTIVE																
17. LENGTH OF RESERVOIR <u>0.11</u> MILES				AV. WIDTH OF RESERVOIR <u>0.015</u> MILES												
WATERSHED	18. TOTAL DRAINAGE AREA <u>1.88</u> <u>1/</u> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <u>8.97 (33)</u> INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA <u>1.88</u> <u>1/</u> SQ. MI.				23. MEAN ANNUAL RUNOFF <u>0.10</u> INCHES											
	20. LENGTH <u>5.85</u> <u>1/</u> MILES		AV. WIDTH <u>0.32</u> MILES		24. MEAN ANNUAL RUNOFF <u>10.03</u> AC.-FT.											
21. MAX. ELEV. <u>1740*</u>				MIN. ELEV. <u>1366*</u>				25. CLIMATIC CLASSIFICATION <u>Arid</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/W RATIO AC.-FT. PERSQ. MI.	
	1945		-		-		-		-		1.14		7.61		4.05	
	5/65		20.0		20.0		Range (D)		7		1.14		4.08		2.17	
	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			
	5/65		6.86													
	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			
	5/65		3.53		0.18		0.094		3.53		0.18		0.094			
	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		
5/65		77.12 (2)		158		158		2.4		46.4						

*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 1/Drainage area is on alluvial fan, and drainage area is smallest that could be positively delineated. Emergency spillway has functioned several times. Trap efficiency of the structure is estimated at 70%. Land Use: 100% Rangeland; Geology: 100% Quaternary-Tertiary sand silt, gravel, and conglomerate.

48. AGENCY MAKING SURVEY USDA-SCS, Watershed Planning Party Phoenix, Arizona
 49. AGENCY SUPPLYING DATA USDA-SCS
 50. DATE 6-9-65