

**RESERVOIR SEDIMENT  
DATA SUMMARY**

SCS-34 Rev. 6-62

West Tank

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

60 - 33

DATA SHEET NO.

Unnamed Tributary of

DAM	1. OWNER Jack Clem		2. STREAM Centennial Wash		3. STATE Arizona			
	4. SEC. 31 TWP. 4N RANGE 8W		5. NEAREST TOWN Salome		6. COUNTY Yuma			
	7. STREAM BED ELEVATION 1650*		8. TOP OF DAM ELEVATION 1660.3*		9. SPILLWAY CREST ELEV. 1653.3*			
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					6/60		
	b. FLOOD CONTROL							
	c. POWER							
	d. WATER SUPPLY	1653.3*	1.71	10.09	10.09	16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION							
	f. CONSERVATION							
	g. SEDIMENT					6/60		
h. INACTIVE								
WATERSHED	17. LENGTH OF RESERVOIR 0.10 MILES		AV. WIDTH OF RESERVOIR 0.027 MILES					
	18. TOTAL DRAINAGE AREA 0.29 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 8.97 (33) INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 0.29 SQ. MI.		23. MEAN ANNUAL RUNOFF 0.1 * INCHES					
	20. LENGTH 1.70 MILES		AV. WIDTH 0.17 MILES		24. MEAN ANNUAL RUNOFF 1.55* AC.-FT.			
	21. MAX. ELEV. 1840*		MIN. ELEV. 1650*		25. CLIMATIC CLASSIFICATION Arid			
SURVEY DATA	26. DATE OF SURVEY	27. PERIOD YEARS	28. ACCL. YEARS OF SURVEY	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.
	6/60	-	-	-	-	1.71	10.09	34.78
	10/5/64	4.3	4.3	Range (D)	4	1.71	9.93	34.23
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INFLOW ACRE-FEET			36. WATER INFL. TO DATE AC.-FT.		
	10/5/64	6.10	a. MEAN ANNUAL	b. MAX. ANNUAL	c. PERIOD TOTAL	a. MEAN ANNUAL	b. TOTAL TO DATE	
	26. DATE OF SURVEY	37. PERIOD SEDIMENT DEPOSITS ACRE-FEET			38. TOTAL SED. DEPOSITS TO DATE ACRE-FEET.			
	10/5/64	a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	
		0.16	0.037	0.13	0.16	0.037	0.13	
	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	
	10/5/64	52.5 (1)	a. PERIOD	b. TOTAL TO DATE	a. AV. AN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE
		148.7	148.7	0.37	1.58			

\*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, silt, 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