RESERVOIR SEDIMENT DATA SUMMARY

SCS-34 Rev. 6-62

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Centennial Wash Tank
NAME OF RESERVOIR

60 - 31
DATA SHEET NO.

Unnamed Tributary of Centennial Wash

DAM

1. OWNER	2. STREAM	3. STATE Arizona
4. SEC. 23 TWP. 1N RANGE 9W	5. NEAREST TOWN Tonopah	6. COUNTY Maricopa
7. STREAM BED ELEVATION 1125.0*	8. TOP OF DAM ELEVATION 1133.6*	9. SPILLWAY CREST ELEV. 1124.4

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					
b. FLOOD CONTROL					1954 1/
c. POWER					
d. WATER SUPPLY	1124.4*	0.95	1.27	1.27	16. DATE NORMAL OPER. BEGAN
e. IRRIGATION					
f. CONSERVATION					
g. SEDIMENT					1954 1/
h. INACTIVE					

17. LENGTH OF RESERVOIR 0.08 MILES | AV. WIDTH OF RESERVOIR 0.018 MILES

WATERSHED

18. TOTAL DRAINAGE AREA 0.60 2/ SQ. MI.		22. MEAN ANNUAL PRECIPITATION	8.97 (33) INCHES
19. NET SEDIMENT CONTRIBUTING AREA 0.60 2/ SQ. MI.		23. MEAN ANNUAL RUNOFF	0.10 INCHES
20. LENGTH 2.30 2/ MILES	AV. WIDTH 0.26 2/ MILES	24. MEAN ANNUAL RUNOFF	3.20 AC.-F T.
21. MAX. ELEV. 1170*	MIN. ELEV. 1125*	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.
1954	-	-		-	0.95	1.27	2.12
5/65	11.0 1/	11.0 1/	Range (D)	6	0.95	0.67	1.12

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	6.71					

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	0.60	0.054	0.09	0.60	0.054	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. AN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE
5/65	91.97 (2)	180	180	4.3	47.2		

*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/ Tank was present in 1954, confirmed by aerial photographs; however exact date of construction is not known.

2/ Tank is on alluvial fan and drainage area is not well defined. Drainage Area is smallest area that could be positively delineated. Emergency spillway has operated frequently. Trap efficiency of structure is estimated at 50%; Land Use: 100% Rangeland; Geology: 100% Quaternary silt, sand and gravel.

48. AGENCY MAKING SURVEY USDA-SCS, Watershed Planning Party, Phoenix, Arizona

49. AGENCY SUPPLYING DATA USDA-SCS

50. DATE 6-9-65