

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-62

Williams - Chandler Pond #1

NAME OF RESERVOIR

Unnamed Tributary

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

60 - 27

DATA SHEET NO.

DAM	1. OWNER Clemmens Cattle Company			2. STREAM of Queen Creek			3. STATE Arizona			
	4. SEC. 33 TWP. 1S RANGE 9E			5. NEAREST TOWN Florence Junction			6. COUNTY Pinal			
	7. STREAM BED ELEVATION 94.4 *			8. TOP OF DAM ELEVATION 102.1 *			9. SPILLWAY CREST ELEV. 99.1 *			
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					1931				
	b. FLOOD CONTROL									
	c. POWER									
	d. WATER SUPPLY	99.1 *	0.90	2.10	2.10	16. DATE NORMAL OPER. BEGAN				
	e. IRRIGATION									
	f. CONSERVATION									
	g. SEDIMENT					1931				
WATERSHED	17. LENGTH OF RESERVOIR 0.063 $\frac{1}{2}$ MILES			AV. WIDTH OF RESERVOIR 0.013 MILES						
	18. TOTAL DRAINAGE AREA 1.09 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 10 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 1.09 SQ. MI.			23. MEAN ANNUAL RUNOFF 0.2 INCHES						
	20. LENGTH 3.2 MILES		AV. WIDTH 0.34 MILES		24. MEAN ANNUAL RUNOFF 10.66 AC.-FT.					
	21. MAX. ELEV. 239.4 *		MIN. ELEV. 94.4 *		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.		
	1931	--	--		--	0.90	2.10	1.93		
	7-61	30	30	Range (D)	11	0.90	1.00	0.92		
	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			
	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			
	7-61	1.10	0.037	0.033	1.10	0.037	0.033			
	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		
7-61	60 (2)	43	43	1.8	52.4					

* 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/ Other arm of reservoir is 0.045 Miles long
Land Use is 100% Rangeland

48. AGENCY MAKING SURVEY **USDA-SCS, Watershed Planning Party Phoenix, Arizona**
49. AGENCY SUPPLYING DATA **USDA-SCS**
50. DATE **4-11-66**