

RESERVOIR SEDIMENT
DATA SUMMARY
SCS-34 Rev. 6-62

Foot Wash Pond #4
NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

60 - 26

DATA SHEET NO.

Unnamed Tributary of

DAM	1. OWNER Bureau of Land Mgmt.		2. STREAM Gila River		3. STATE Arizona			
	4. SEC. 35 TWP. 7S RANGE 26E		5. NEAREST TOWN Safford		6. COUNTY Graham			
	7. STREAM BED ELEVATION 3040*		8. TOP OF DAM ELEVATION --		9. SPILLWAY CREST ELEV. 3045.5*			
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					1936*		
	b. FLOOD CONTROL	3045.5*	2.834	6.462	6.462			
	c. POWER							
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION							
	f. CONSERVATION							
	g. SEDIMENT							
h. INACTIVE					1936*			
WATERSHED	17. LENGTH OF RESERVOIR 0.057 MILES		AV. WIDTH OF RESERVOIR 0.078 MILES					
	18. TOTAL DRAINAGE AREA 0.33 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 8.95 (64) INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 0.33 SQ. MI.		23. MEAN ANNUAL RUNOFF 0.35* INCHES					
	20. LENGTH 1.15 MILES		AV. WIDTH 0.29 MILES		24. MEAN ANNUAL RUNOFF 6.16* AC.-FT.			
	21. MAX. ELEV. 3100*		MIN. ELEV. 3040*		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.
	1936	--	--	--	--	2.834	6.462	19.582
	1/23/64	28*	28*	Range (D)	3	2.834	5.325	16.136
	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	
	1/23/64	8.44						
	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	
	1/23/64	1.137	0.04	0.12	1.137	0.04	0.12	
	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	
1/23/64	72.6 (2)	190	190	0.63	17.60			

*Assumed

25. 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
 6" Outlet pipe
 Emergency Spillway has not functioned to date

 Land Use in Watershed: 100% Rangeland
 Geology: 100% Quaternary-Tertiary silt, sand, and gravel

48. AGENCY MAKING SURVEY USDA-SCS, Watershed Planning Party, Phoenix, Arizona
 49. AGENCY SUPPLYING DATA USDA-SCS
 50. DATE 2-5-64