

RESERVOIR SEDIMENTATION
DATA SUMMARY

Homestead

NAME OF RESERVOIR

60 - 15

DATA SHEET NO.

DAM	1. OWNER Whitlow			2. RIVER Trib. to Gila River		3. STATE Arizona					
	4. SEC. 18 TWP. 5S RANGE 11E			5. NEAREST TOWN Florence		6. COUNTY Pinal					
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.		9. SPILLWAY CREST ELEV. 48.0*					
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. SURFACE AREA ACRES	13. STORAGE ACRE- FEET	14. ACCUMULATED ACRE- FEET	15. DATE STORAGE BEGAN					
	a. FLOOD CONTROL					1954					
	b. POWER										
	c. WATER SUPPLY	48.0*	1.25	6.0	6.0	16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION										
	e. CONSERVATION					1954					
WATERSHED	17. LENGTH OF RESERVOIR			MILES	AV. WIDTH OF RESERVOIR			MILES			
	18. TOTAL DRAINAGE AREA			0.9	SQ. MI.	22. MEAN ANNUAL PRECIPITATION			9.7	INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA			0.9	SQ. MI.	23. MEAN ANNUAL RUNOFF			0.34	INCHES	
	20. LENGTH		2.7	MILES	AV. WIDTH	0.2	MILES	24. MEAN ANNUAL RUNOFF		16.3	AG.-FT.
	21. MAX. ELEV.		MIN. ELEV.		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.	
	June, 1954	6	6	Range	5	1.25		6.00		6.7	
	June, 1960					1.25		1.83		2.0	
	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			d. MEAN ANNUAL		e. TOTAL TO DATE		
	June, 1960										
	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	d. TOTAL TO DATE		e. AV. ANNUAL		f. PER SQ. MI.-YEAR		
	June, 1960	4.17	0.70	0.78	4.17		0.70		0.78		
	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		c. AV. ANNUAL		d. TOT. TO DATE		e. PERIOD		f. TOT. TO DATE
June, 1960	90*		1,530		11		70				

*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
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		
<p style="text-align: center;">Soil Conservation Service Tucson, Arizona</p>		
48. AGENCY SUPPLYING DATA	49. DATE 12/20/60	