

RESERVOIR SEDIMENTATION
DATA SUMMARY

Allen

60 -5

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER			2. RIVER Trib. Gila River			3. STATE Arizona									
	4. SEC. 26 TWP. 7S RANGE 24E			5. NEAREST TOWN Thatcher			6. COUNTY Graham									
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV.									
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										1936					
	b. POWER										16. DATE NORMAL OPER. BEGAN					
	c. WATER SUPPLY															
	d. IRRIGATION				25.8		279									
	e. CONSERVATION															
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR 0.303			MILES			AV. WIDTH OF RESERVOIR 0.190			MILES						
	18. TOTAL DRAINAGE AREA 4.17 1/			SQ. MI.			22. MEAN ANNUAL PRECIPITATION 10.8			INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 4.13			SQ. MI.			23. MEAN ANNUAL RUNOFF .44			INCHES						
	20. LENGTH MILES			AV. WIDTH MILES			24. MEAN ANNUAL RUNOFF			AC.-FT.						
	21. MAX. ELEV.			MIN. ELEV.			25. CLIMATIC CLASSIFICATION Semi-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, 1958		22		22		Range (R)		7 43M		25.8 25.8		279 253		66.9 61.3	
	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			
	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, 1958		25.8		1.13		0.27		25.8		1.13		0.27			
	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. ANNUAL		b. TOT. TO DATE		a. PERIOD		b. TOT. TO DATE	
June, 1958								0.42		9.25						

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														

48. 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/ Drainage area size includes 1.87 sq. miles diverted from Hawk Hollow.

Soil Conservation Service
Portland, Oregon

48. AGENCY SUPPLYING DATA 49. DATE 9/22/61