

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Halfmoon

NAME OF RESERVOIR

60-14

DATA SHEET NO.

DAM	1. OWNER <b>H. W. Reed</b>			2. RIVER <b>Trib. to Gila River</b>		3. STATE <b>Arizona</b>		
	4. SEC. <b>30</b> TWP. <b>5S</b> RANGE <b>12E</b>		5. NEAREST TOWN <b>Florence</b>		6. COUNTY <b>Pinal</b>			
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.		9. SPILLWAY CREST ELEV. <b>47.3*</b>		
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					1941		
	b. POWER							
	c. WATER SUPPLY	<b>47.3*</b>	<b>1.3</b>	<b>6.8</b>	<b>6.8</b>	16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION							
	f. INACTIVE					1941		
WATERSHED	17. LENGTH OF RESERVOIR			MILES		AV. WIDTH OF RESERVOIR		
	18. TOTAL DRAINAGE AREA <b>0.2</b>			SQ. MI.		22. MEAN ANNUAL PRECIPITATION <b>9.7</b>		
	19. NET SEDIMENT CONTRIBUTING AREA <b>0.2</b>			SQ. MI.		23. MEAN ANNUAL RUNOFF <b>0.34</b>		
	20. LENGTH		MILES	AV. WIDTH	.15	MILES	24. MEAN ANNUAL RUNOFF	
	21. MAX. ELEV.	MIN. ELEV.	25. CLIMATIC CLASSIFICATION	<b>Arid</b>				
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, 1941 1960	19	19	Range	6	1.3 1.3	6.8 3.9	34.0 19.5
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INFLOW ACRE- FEET		36. WATER INFL. TO DATE AC- FT.			
	June, 1960		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.				
	June, 1960	a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.- YEAR	d. TOTAL TO DATE	e. AV. ANNUAL	f. PER SQ. MI.- YEAR	
	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	
	June, 1960	85*	a. PERIOD	b. TOTAL TO DATE	c. AV. ANNUAL	d. TOT. TO DATE	e. PERIOD	f. TOT. TO DATE
			1388	1388	2.2	42.7		

\* 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

Soil Conservation Service  
Tucson, Arizona

48. AGENCY SUPPLYING DATA

49. DATE Dec. 20, 1960