

RESERVOIR SEDIMENT DATA SUMMARY

Sunnycove F.R.S
NAME OF RESERVOIR

60-51
DATA SHEET NO.

DAM	1. OWNER Maricopa County F.C.D		2. STREAM Trib. of Hassayampa		3. STATE Arizona			
	4. SEC. 11 TWP. 7N RANGE 5W		5. NEAREST P.O. Wickenburg		6. COUNTY Maricopa			
	7. LAT. 33° 57' 30" LONG. 112° 44' 22"		8. TOP OF DAM ELEVATION 2178.5		9. SPILLWAY CREST ELEV. 2170.0			
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. FLOOD CONTROL	2170	14.8	194.0	194	9/76		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY					16. DATE NOR-MAL OPER. BEGAN		
	e. IRRIGATION							
	f. CONSERVATION					10/76		
WATERSHED	17. LENGTH OF RESERVOIR 0.68 ^{2/}		MILES	AV. WIDTH OF RESERVOIR 0.04		MILES		
	18. TOTAL DRAINAGE AREA 1.35		SQ. MI.	22. MEAN ANNUAL PRECIPITATION 11.0		INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA 1.24		SQ. MI.	23. MEAN ANNUAL RUNOFF 0.15		INCHES		
	20. LENGTH 3.8	MILES	AV. WIDTH 0.36	MILES	24. MEAN ANNUAL RUNOFF 10.80		AC.-FT.	
	21. MAX. ELEV. 2470*		MIN. ELEV. 2133		25. ANNUAL TEMP.: MEAN 65 RANGE 30-120 degrees			
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/I. RATIO, AC.-FT. PER AC.-FT.
	9/76					14.8	194.0	17.96
	8/83 <u>1/</u>	6.9	6.9	Range (D)	12	14.8	191.3	17.71
	9/93	5.9	12.8	Range (D)	12	14.8	189.5	17.55
	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		
	8/83	12.95						
	7/88	11.24						
	26. DATE OF SURVEY	37. PERIOD CAPACITY LOSS, 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	
8/83	2.7	0.39		2.7	0.39	0.39		
7/88	1.8	0.31	0.25	4.5	0.35	0.28		
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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE	
8/83	No Samples	Taken						
7/88	No Samples	Taken						

* Estimated

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, 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
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						
REMARKS AND REFERENCES														
1/ Sediment ranges installed														
2/ Item 17 - principal arm - 1500 ft; secondary arms 1200, 900 feet														
* Estimated														
48. AGENCY MAKING SURVEY Soil Conservation Service										49. AGENCY SUPPLYING DATA Soil Conservation Service				
										50. DATE <u>2/26/93</u>				