

RESERVOIR SEDIMENTATION
DATA SUMMARY

Mockingbird Canyon Reservoir 1/

70-17

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER Gage Canal Co.			2. RIVER Mockingbird Canyon			3. STATE California									
	4. SEC. 21 TWP. 3 S RANGE 5 W			5. NEAREST TOWN Arlington			6. COUNTY Riverside									
	7. STREAM BED ELEV. 940			8. TOP OF DAM ELEV. 1,010			9. SPILLWAY CREST ELEV. 985									
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										1914					
	b. POWER															
	c. WATER SUPPLY															
	d. IRRIGATION		985		55 *		1,000 *		1,000 *		16. DATE NORMAL OPER. BEGAN					
	e. CONSERVATION															
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR 0.55				MILES				AV. WIDTH OF RESERVOIR 0.27				MILES			
	18. TOTAL DRAINAGE AREA 11.6				SQ. MI.				22. MEAN ANNUAL PRECIPITATION 10				INCHES			
	19. NET SEDIMENT CONTRIBUTING AREA 11.5				SQ. MI.				23. MEAN ANNUAL RUNOFF				INCHES			
	20. LENGTH				MILES				AV. WIDTH				MILES			
	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.	
	1914		-		-		-		-		55		1,000		86	
	March 1940		26		26		Recon.		50 meas.		55		961		83	
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW ACRE- FEET				36. WATER INFL. TO DATE AG- FT.							
					a. MEAN ANNUAL		b. MAX. ANNUAL		c. PERIOD TOTAL		a. MEAN ANNUAL		b. 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		a. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI.- YEAR			
	March 1940		39		1.50		0.130		39		1.50		0.130			
	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				
March 1940		60 *		170		170		0.15		3.9						

1/ Equalizing reservoir on the Gage Canal system obtaining water from the Santa Ana River.

* Estimated

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

Region 7, Soil Conservation Service
U. S. Department of Agriculture

48. AGENCY SUPPLYING DATA Portland, Oregon 49. DATE August 31, 1950