

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Stone Canyon Reservoir 1/

70-5

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER City of Los Angeles			2. RIVER Stone Canyon Creek			3. STATE California				
	4. SEC. 9 TWP. 1S RANGE 15W			5. NEAREST TOWN Sawtelle			6. COUNTY Los Angeles				
	7. STREAM BED ELEV. 694			8. TOP OF DAM ELEV. 856			9. SPILLWAY CREST ELEV. 842				
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					May 1921					
	b. POWER										
	c. WATER SUPPLY	842	129	7,998	7,998	16. DATE NORMA OPER. BEGAN					
	d. IRRIGATION					April 1924					
	e. CONSERVATION										
	f. INACTIVE										
17. LENGTH OF RESERVOIR 1.04		MILES		AV. WIDTH OF RESERVOIR 0.19		MILES					
WATERSHED	18. TOTAL DRAINAGE AREA 1.36		SQ. MI.		22. MEAN ANNUAL PRECIPITATION 20		INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA 1.16		SQ. MI.		23. MEAN ANNUAL RUNOFF		INCHES				
	20. LENGTH 1.74		MILES		AV. WIDTH 0.76		MILES		24. MEAN ANNUAL RUNOFF		AC.-FT.
	21. MAX. ELEV. 1450		MIN. ELEV. 694		25. CLIMATIC CLASSIFICATION Sub-humid						
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 <sub>w</sub> RATIO AC.-FT. PER SQ. MI.			
	May 1921	-	-	-	-	129	7,998	5,881			
	June 1939	18.1	18.1	Range Recon.	7 ranges 40 meas.	129	7,949	5,845			
	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			
	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				
	June 1939	49	2.71	2.34	49	2.71	2.34				
	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 1939	60*	3,058	3,058	0.033	0.61						

1/ Regulating and storage reservoir for water from Owens Valley aqueduct.  
\* 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  
Portland, Oregon

48. AGENCY SUPPLYING DATA

49. DATE August 25, 1950