

RESERVOIR SEDIMENTATION  
DATA SUMMARY

Bouquet Canyon Reservoir 1/

70-7

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER City of Los Angeles		2. RIVER Bouquet Creek		3. STATE California			
	4. SEC. 29 TWP. 6 N RANGE 14 W		5. NEAREST TOWN San Fernando		6. COUNTY Los Angeles			
	7. STREAM BED ELEV. 2,818		8. TOP OF DAM ELEV. 3,008		9. SPILLWAY CREST ELEV. 2,993			
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					March 1934		
	b. POWER							
	c. WATER SUPPLY	2,993	628	36,500	36,500	16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION							
	f. INACTIVE							
17. LENGTH OF RESERVOIR 2.6 MILES		AV. WIDTH OF RESERVOIR 0.47 MILES						
WATERSHED	18. TOTAL DRAINAGE AREA 12.6 SQ. MI.		22. MEAN ANNUAL PRECIPITATION 15 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 11.6 SQ. MI.		23. MEAN ANNUAL RUNOFF INCHES					
	20. LENGTH MILES		AV. WIDTH MILES		24. MEAN ANNUAL RUNOFF AG.-FT.			
	21. MAX. ELEV. 4,975		MIN. ELEV. 2,818		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.
	March 1934	-	-	-	-	628	36,500	2,897
	June 1939	5 2/	5	Range Recon.	8	628	36,436	2,892
	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	64	12.8	1.10	64	12.8	1.10	
	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	40*	958	958	0.04	0.18			

1/ Regulating and storage reservoir on Owens Valley aqueduct.

2/ Based on runoff seasons

\* 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

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

48. AGENCY SUPPLYING DATA Portland, Oregon      49. DATE August 29, 1950