

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

Carter Debris Basin

NAME OF RESERVOIR

70-68a

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM Carter Canyon			3. STATE California					
	4. SEC. 17 TWP. 1N RANGE 11W			5. NEAREST P.O. Sierra Madre			6. COUNTY Los Angeles					
	7. LAT 34° 10' 26" LONG 118° 2' 58"			8. TOP OF DAM ELEVATION 1245			9. SPILLWAY CREST ELEV. 1238.3					
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											
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION										Dec 54	
	f. CONSERVATION											
	g. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR .04 MILES				AV. WIDTH OF RESERVOIR .02 MILES							
	18. TOTAL DRAINAGE AREA .12 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 25.30 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA .12 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES							
	20. LENGTH .6 MILES		AV. WIDTH .2 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.							
	21. MAX. ELEV. 2,850		MIN. ELEV. 1,238.3		25. ANNUAL TEMP MEAN 62.2° RANGE 48.8°-75.6°							
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.		
	Sep 59		4.8	4.75				2/				
	Sep 62		3.0	7.75								
	Sep 69		7.0	14.75								
	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			
	Sep 59		22.74		No record of inflow							
	Sep 62		17.96									
	Sep 69		28.30									
	26. DATE OF SURVEY		37. 3/ 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					
Sep 59		1.6	.33	2.8	1.6	.33	2.8					
Sep 62		8.5	2.84	23.7	10.1	1.29	10.7					
Sep 69		3.41	.487	4.06	13.5	.915	7.62					
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					

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	-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

1/ Item 25 - Temperatures taken at Pasadena, California.

2/ Item 32 - Capacity of debris basin varies. Debris excavated at various times.

3/ Item 37 - Sedimentation values as computed by LACFCD are based on complete water year.

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

CARTER DEBRIS BASIN

NAME OF RESERVOIR

70-68a

DATA SHEET NC

DAM	1. OWNER LACFCD			2. STREAM Carter Canyon			3. STATE California							
	4. SEC. 17 TWP. 1N RANGE 11W			5. NEAREST P. O. Sierra Madre			6. COUNTY Los Angeles							
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ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY						
47. REMARKS AND REFERENCES														
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48. AGENCY MAKING SURVEY LACFCD														
49. AGENCY SUPPLYING DATA C of E														
50. DATE 14 February 1980														