

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

DEER DEBRIS BASIN

NAME OF RESERVOIR

70-69a

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM Deer Canyon			3. STATE Calif						
	4. SEC. 4 TWP. 1N RANGE 13W			5. NEAREST P.O. Glendale			6. COUNTY Los Angeles						
	7. LAT 34° 11' 37" LONG 118° 14' 27"			8. TOP OF DAM ELEVATION 1209.6			9. SPILLWAY CREST ELEV. 1201.0						
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										16. DATE NORMAL OPER. BEGAN Nov 54		
	b. MULTIPLE USE												
	c. POWER												
	d. WATER SUPPLY												
	e. IRRIGATION												
	f. CONSERVATION												
	g. INACTIVE												
17. LENGTH OF RESERVOIR 1/ MILES					AV. WIDTH OF RESERVOIR MILES								
WATERSHED	18. TOTAL DRAINAGE AREA 0.59 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 20.0 INCHES								
	19. NET SEDIMENT CONTRIBUTING AREA 0.59 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES								
	20. LENGTH 1.07 MILES		AV. WIDTH 0.71 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.								
	21. MAX. ELEV. 2680			MIN. ELEV. 1201			25. ANNUAL TEMP MEAN 62.2° RANGE 48.8°-75.6°						
	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		4.83	4.83										
Sep 64		5.0	9.83										
Sep 65		1.0	10.83										
Sep 66		1.0	11.83										
Sep 69		3.0	14.83										
SURVEY DATA	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		17.32		No record of inflow								
	Sep 64		12.55										
	Sep 65		17.15										
	Sep 66		27.51										
	Sep 69		4/										
26. DATE OF SURVEY		37. 5/ 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	0.33	0.55		1.6		0.33		0.55			
Sep 64		6.2	1.24	2.10		7.8		.79		1.34			
Sep 65		14.6	14.60	24.74		22.4		2.06		3.49			
Sep 66		12.5	12.5	21.19		34.9		2.93		4.97			
Sep 69		33.7	11.2	19.0		68.6		4.63		7.85			
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. TODATE	a. PERIOD		b. TOT. TODATE			

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 17 - No dimensions available.

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

3/ Item 32 - Debris basin capacity varies. Debris excavated at various times.

4/ Item 34 - Incomplete rainfall record.

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

48. AGENCY MAKING SURVEY LACFCD
 49. AGENCY SUPPLYING DATA C of E

50. DATE 23 Jan 70