

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

BELL DEBRIS BASIN

NAME OF RESERVOIR

70-89a

DATA SHEET NO.

DAM	1. OWNER LACFD			2. STREAM Bell Creek			3. STATE Calif					
	4. SEC. Land TWP. Grant RANGE			5. NEAREST P.O. Canoga Park			6. COUNTY Los Angeles					
	7. LAT 34° 11' 45" N LONG 118° 39' 18" W			8. TOP OF DAM ELEVATION 892.2			9. SPILLWAY CREST ELEV. 873.3					
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										15. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION											
	f. CONSERVATION											
	g. INACTIVE										Oct 67	
WATERSHED	17. LENGTH OF RESERVOIR 0.16 MILES				AV. WIDTH OF RESERVOIR 0.05 MILES							
	18. TOTAL DRAINAGE AREA 7.0 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 15.25 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 7.0 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES							
	20. LENGTH 4.17 MILES		AV. WIDTH 1.68 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.							
	21. MAX. ELEV. 2254		MIN. ELEV. 866.0		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 70		3	3				2					
Sep 71		1	4									
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 70		17.09		No record of inflow								
Sep 71		14.42										
26. DATE OF SURVEY		37. 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 70		12.69	4.23	0.60	12.69	4.23	0.60					
Sep 71		3.15	3.15	.45	15.84	3.96	.57					
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															
<u>1</u> -/ Item 25 - Temperature taken at Pasadena, California. <u>2</u> / Item 32 - Capacity of debris basin varies. Debris excavated at various times. <u>3</u> / Item 37 - Sedimentation values computed by LACFCD are based on complete water year.															
48. AGENCY MAKING SURVEY				LACFCD				50. DATE				9 Feb 72			
49. AGENCY SUPPLYING DATA				C of E											