

RESERVOIR SEDIMENT  
DATA SUMMARY

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS

BRADBURY DEBRIS BASIN (Revised)

NAME OF RESERVOIR

70-67b

DATA SHEET NO.

DAM	1. OWNER <b>LACFCD</b>			2. STREAM <b>Bradbury Canyon</b>			3. STATE <b>California</b>									
	4. SEC. <b>19</b> TWP. <b>1N</b> RANGE <b>10W</b>			5. NEAREST P O <b>Monrovia</b>			6. COUNTY <b>Los Angeles</b>									
	7. LAT. <b>34° 09' 23"</b> LONG <b>117° 58' 01"</b>			8. TOP OF DAM ELEVATION <b>928</b>			9. SPILLWAY CREST ELEV. <b>920</b>									
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										Jan 55					
	f. CONSERVATION															
	g. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR <b>.047</b> MILES				AV. WIDTH OF RESERVOIR <b>.0745</b> MILES											
	18. TOTAL DRAINAGE AREA <b>.68</b> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <b>25.55</b> INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA <b>.68</b> SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES											
	20. LENGTH <b>1.33</b> MILES		AV. WIDTH <b>.96</b> MILES		24. MEAN ANNUAL RUNOFF AC-F.T.											
	21. MAX. ELEV. <b>3100</b>		MIN. ELEV. <b>920</b>		25. ANNUAL TEMP. MEAN <b>62.2°</b> RANGE <b>48.8°-75.6°</b>											
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/D. RATIO, AC.-FT. PER AC.-FT.	
	Sep 59		4.75		4.75											
	Sep 61		2.0		6.75											
	Sep 66		5.0		11.75											
	Sep 69		3.0		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		22.53		No record of inflow.											
	Sep 61		11.28													
	Sep 66		23.74													
	Sep 69		3/													
	26. DATE OF SURVEY		37. 4/ 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		26.62		5.60		8.24		26.62		5.60		8.24			
	Sep 61		2.21		1.10		1.62		28.83		4.27		6.28			
Sep 66		22.65		4.53		6.66		51.48		4.38		6.44				
Sep 69		47.33		15.78		23.20		98.81		6.70		9.85				
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. 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															
<p>1/ Item 25 - Temperature taken at Pasadena, California.</p> <p>2/ Item 32 - Debris basin capacity varies. Debris excavated at various times.</p> <p>3/ Item 34 - Incomplete rainfall record.</p> <p>4/ Item 37 - Sediment values as computed by LACFCD are sediment removals from basin and are based on complete water year.</p>															
48. AGENCY MAKING SURVEY			LACFCD												
49. AGENCY SUPPLYING DATA			C of E			50. DATE 10 Feb 72									