

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

BLUEGUM DEBRIS BASIN

NAME OF RESERVOIR

70-119

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM Blanchard Canyon			3. STATE California								
	4. SEC. 18 TWP. 2N RANGE 13W			5. NEAREST P.O. Tujunga			6. COUNTY Los Angeles								
	7. LAT 34° 15' 18" LONG. 118° 16' 30"			8. TOP OF DAM ELEVATION 2053.0			9. SPILLWAY CREST ELEV. 2042.0								
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										1968				
	b. MULTIPLE USE										16. DATE NORMAL OPER. BEGAN				
	c. POWER										1968-1969				
	d. WATER SUPPLY														
	e. IRRIGATION														
	f. CONSERVATION														
g. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR 1/1 MILES				AV. WIDTH OF RESERVOIR 1/1 MILES										
	18. TOTAL DRAINAGE AREA .19 SQ. MI.				22. MEAN ANNUAL PRECIPITATION INCHES										
	19. NET SEDIMENT CONTRIBUTING AREA .19 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES										
	20. LENGTH .85 MILES		AV. WIDTH .22 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.										
	21. MAX. ELEV. 3200.0		MIN. ELEV. 2025.5		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 76		8	8											
	Sep 77		1	9											
	Sep 78		1	10											
	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 76		28.66		No record of inflow.										
	Sep 77		16.35												
	Sep 78		37.86												
	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 76		2.67	.33	1.75	2.67		.33		1.75						
Sep 77		.19	.19	1.00	2.86		.32		1.67						
Sep 78		3.53	3.53	18.58	6.39		.64		3.37						
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 17- No dimensions available.

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

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

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