

RESERVOIR SEDIMENT  
DATA SUMMARY

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS

MORGAN DEBRIS BASIN (Revised)

NAME OF RESERVOIR

70-99a

DATA SHEET NO.

DAM	1. OWNER <b>LACFCD</b>			2. STREAM <b>Morgan Canyon</b>			3. STATE <b>Calif</b>									
	4. SEC. <b>28</b> TWP. <b>1N</b> RANGE <b>9W</b>			5. NEAREST P O <b>Glendora</b>			6. COUNTY <b>Los Angeles</b>									
	7. LAT <b>34° 08' 26"</b> LONG <b>117° 49' 13"</b>			8. TOP OF DAM ELEVATION <b>1167.0</b>			9. SPILLWAY CREST ELEV. <b>1158.0</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										16. DATE NORMAL OPER. BEGAN					
	e. IRRIGATION										Sep 64					
	f. CONSERVATION															
WATERSHED	17. LENGTH OF RESERVOIR		<b>0.053</b>		MILES		AV. WIDTH OF RESERVOIR		<b>.032</b>		MILES					
	18. TOTAL DRAINAGE AREA				<b>.60</b>		SQ. MI.		22. MEAN ANNUAL PRECIPITATION		<b>24.0</b>					
	19. NET SEDIMENT CONTRIBUTING AREA				<b>.60</b>		SQ. MI.		23. MEAN ANNUAL RUNOFF							
	20. LENGTH		<b>1.326</b>		MILES		AV. WIDTH		<b>.451</b>		MILES					
	21. MAX. ELEV.		<b>2990.0</b>		MIN. ELEV.		<b>1135.1</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. CH. RATIO, AC. FT. PER AC.-FT.	
	Sep 69		5		5											
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET				36. WATER INFL. TO DATE, AC.-FT.							
	Sep 69		26.21		No record of inflow											
	26. DATE OF SURVEY		37. 3/ PERIOD CAPACITY LOSS, ACRE-FEET		38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET											
	Sep 69		8.42		a. PERIOD TOTAL		b. AV. ANNUAL		c. PER SQ. MI. YEAR		a. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI. YEAR	
	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. ANNUAL		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, Calif. <u>2/</u> Item 32 - Capacity of debris 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															
49. AGENCY SUPPLYING DATA      C of E															
50. DATE <u>10 Feb 72</u>															