

RESERVOIR SEDIMENT  
DATA SUMMARY

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS

MAY DEBRIS BASIN NO. 2

NAME OF RESERVOIR

70-75a

DATA SHEET NO.

DAM	1. OWNER <b>LAC FCD</b>			2. STREAM <b>May Canyon</b>			3. STATE <b>California</b>					
	4. SEC. <b>14</b> TWP. <b>3N</b> RANGE <b>15W</b>			5. NEAREST P O <b>San Fernando</b>			6. COUNTY <b>Los Angeles</b>					
	7. LA <b>84°20'05" LONG</b> <b>118°24'50"</b>			8. TOP OF DAM ELEVATION <b>1674</b>			9. SPILLWAY CREST ELEV. <b>1669.5</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										Aug 53	
	f. CONSERVATION											
	g. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR <u>1/</u> MILES				AV. WIDTH OF RESERVOIR <u>1/</u> MILES							
	18. TOTAL DRAINAGE AREA <u>.09</u> SQ. MI				22. MEAN ANNUAL PRECIPITATION <u>23.33</u> INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA <u>.09</u> SQ. MI				23. MEAN ANNUAL RUNOFF INCHES							
	20. LENGTH MILES		AV. WIDTH <u>.13</u> MILES		24. MEAN ANNUAL RUNOFF AC. FT.							
	21. MAX. ELEV.		MIN. ELEV. <u>1661.1</u>		25. ANNUAL TEMP MEAN <u>62.2°</u> RANGE <u>48.8°-75.6°</u>							
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, <u>3/</u> ACRE-FEET		33. C/I RATIO, AC. FT. PER AC. FT.		
	Sep 59		6.2	6.2								
	Sep 67		8.0	14.2								
	Sep 68		1.0	15.2								
	Sep 69		1.0	16.2								
	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		17.98		No record of inflow							
	Sep 67		19.35									
	Sep 68		16.55									
Sep 69		4/										
26. DATE OF SURVEY		37. <u>5/</u> 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		.20	.03	.36	.20	.03	.36					
Sep 67		8.60	1.07	11.9	8.80	.62	6.90					
Sep 68		4.09	4.09	45.5	12.90	.85	9.44					
Sep 69		2.60	2.60	28.9	15.5	.96	10.7					
26. DATE OF SURVEY		39. AV. DRY WGT, LBS. PER CU. FT.		40. SED DEP. TONS PERSQ. 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
	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 34 - Incomplete rainfall record.														
5/ Item 37 - Sedimentation values computed by LACFCD based on complete water year.														
48. AGENCY MAKING SURVEY					LACFCD									
49. AGENCY SUPPLYING DATA					C of E					50. DATE 26 Jan 70				

RESERVOIR SEDIMENT  
DATA SUMMARY

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS

MAY DEBRIS BASIN NO. 2 (Revised)  
NAME OF RESERVOIR

70-75b

DATA SHEET NO.

DAM	1. OWNER <b>LACFCD</b>			2. STREAM <b>May Canyon</b>			3. STATE <b>California</b>									
	4. SEC. <b>14</b> TWP. <b>3N</b> RANGE <b>15W</b>			5. NEAREST P O <b>San Fernando</b>			6. COUNTY <b>Los Angeles</b>									
	7. LAT. <b>34°20'05"</b> "LONG <b>118°24'50"</b>			8. TOP OF DAM ELEVATION <b>1674</b>			9. SPILLWAY CREST ELEV. <b>1669.5</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										Aug 53					
	f. CONSERVATION															
	g. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR <b>.052</b> MILES				AV. WIDTH OF RESERVOIR <b>.019</b> MILES											
	18. TOTAL DRAINAGE AREA <b>.09</b> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <b>23.33</b> INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA <b>.09</b> SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES											
	20. LENGTH <b>.038</b> MILES		AV. WIDTH <b>.13</b> MILES		24. MEAN ANNUAL RUNOFF AC FT.											
	21. MAX. ELEV. <b>3680</b>		MIN. ELEV. <b>1661.1</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 67		14.17		14.17											
	Sep 68		1.0		15.17											
	Sep 69		1.0		16.17											
	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 67		17.29		No record of inflow											
	Sep 68		16.55													
	Sep 69		32.53													
	26. DATE OF SURVEY		37. <u>3</u> / 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 67		3.11		.22		2.44		3.11		.22		2.44				
Sep 68		4.09		4.09		45.44		7.20		.47		5.22				
Sep 69		2.57		2.57		28.56		9.77		.60		6.67				
26. DATE OF SURVEY		39. AV. DRY WGT., LBS. PER CU. FT.		40. SED. DEP., TONS PERSQ. 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 based on complete water year.															
48. AGENCY MAKING SURVEY				LACFCD											
49. AGENCY SUPPLYING DATA				C of E				50. DATE <u>11 Feb 72</u>							

RESERVOIR SEDIMENT  
DATA SUMMARY

MAY DEBRIS BASIN NO. 2 (Revised)  
NAME OF RESERVOIR

70-756

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM May Canyon			3. STATE California									
	4. SEC. 14 TWP. 3N RANGE 15W			5. NEAREST P.O. San Fernando			6. COUNTY Los Angeles									
	7. LAT. 34° 20' 05" LONG. 118° 24' 50"			8. TOP OF DAM ELEVATION 1674			9. SPILLWAY CREST ELEV. 1659.5									
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										Aug 53					
	f. CONSERVATION															
g. INACTIVE																
WATERSHED	17. LENGTH OF RESERVOIR .052 MILES				AV. WIDTH OF RESERVOIR .019 MILES											
	18. TOTAL DRAINAGE AREA .09 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 23.33 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA .09 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES											
	20. LENGTH .038 MILES AV. WIDTH .13 MILES				24. MEAN ANNUAL RUNOFF AC.-FT.											
21. MAX. ELEV. 3680				MIN. ELEV. 1661.1		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, 2/ACRE-FEET		33. C/I. RATIO, AC.-FT. PER AC.-FT.	
	Sep 67		14.17		14.17											
	Sep 68		1.0		15.17											
	Sep 69		1.0		16.17											
	Sep 76		7.0		23.17											
	Sep 78		2.0		25.17											
	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. TOT. TO DATE			
	Sep 67		17.29		No record of inflow.											
	Sep 68		16.55													
Sep 69		32.53														
Sep 76		13.64														
Sep 78		32.02														
26. DATE OF SURVEY		37. 3/ 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 67		3.11		0.22		2.44		3.11		.22		2.44				
Sep 68		4.09		4.09		45.44		7.20		.47		5.32				
Sep 69		2.57		2.57		28.56		9.77		.60		6.57				
Sep 76		1.98		0.28		3.14		11.75		.51		5.83				
Sep 78		0.56		0.28		3.11		12.31		.49		5.84				
26. DATE OF SURVEY		39. AV. DRY WGT., LBS. PER CU. FT.		40. SED. DEP., TONS PERSQ. 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 25- Temperature taken at Pasadena, California.

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

3/ Item 37- Sedimentation values computed by LACFCD based on complete water year

48. AGENCY MAKING SURVEY LACFCD

49. AGENCY SUPPLYING DATA C of E

50. DATE Feb 79