

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

MAY DEBRIS BASIN NO. 1

NAME OF RESERVOIR

70-74a

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' 55"			8. TOP OF DAM ELEVATION 1692.5			9. SPILLWAY CREST ELEV. 1684.0										
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																
	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 1/ MILES				AV. WIDTH OF RESERVOIR 1/ MILES												
	18. TOTAL DRAINAGE AREA 0.70 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 20.39 INCHES												
	19. NET SEDIMENT CONTRIBUTING AREA 0.70 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES												
	20. LENGTH 1.94 MILES		AV. WIDTH 0.36 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.												
	21. MAX. ELEV. 3,925		MIN. ELEV. 1667.7		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 78		2.0	25.2				3/									
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION	35. PERIOD WATER INFLOW, ACRE-FEET		36. WATER INFL. TO DATE, AC.-FT.											
	Sep 78		32.02	No record of inflow.													
	26. DATE OF SURVEY		37. 4/ PERIOD CAPACITY LOSS, ACRE-FEET			38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET											
	Sep 78		4.09			2.05			2.93			151.41		6.01		8.59	
	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
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 based on complete water year.

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

May Debris Basin No. 1
NAME OF RESERVOIR

70-74b
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' 55"			8. TOP OF DAM ELEVATION 1692.5			9. SPILLWAY CREST ELEV. 1684.0					
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											
	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 1/ MILES				AV. WIDTH OF RESERVOIR 1/ MILES							
	18. TOTAL DRAINAGE AREA 0.70 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 20.39 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 0.70 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES							
	20. LENGTH 1.94 MILES		AV. WIDTH 0.36 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.							
	21. MAX. ELEV. 3,925		MIN. ELEV. 1667.7		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 59	6.2	6.2									
	Sep 67	8.0	14.2									
	Sep 68	1.0	15.2									
	Sep 69	1.0	16.2									
	Sep 74	5.0	21.2									
	26. DATE OF SURVEY	34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET			36. WATER INFL. TO DATE, AC.-FT.					
	Sep 59	15.64		No record of inflow.								
	Sep 67	19.35										
	Sep 68	16.55										
	Sep 69	4/										
	Sep 74	14.66										
	26. DATE OF SURVEY	37. 5/ 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	3.4	.55	.78	3.4	.55	.78					
Sep 67	40.3	5.04	7.20	43.7	3.08	4.40						
Sep 68	16.3	16.3	23.3	60.0	3.95	5.64						
Sep 69	73.0	73.0	104.0	133.0	8.21	11.7						
Sep 74	0.19	.04	.06	133.19	6.26	8.97						
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					

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 17 - No dimensions available. <u>2/</u> Item 25 - Temperature taken at Pasadena, California. <u>3/</u> Item 32 - Capacity of debris basin varies. Debris excavated at various times. <u>4/</u> Item 34 - Incomplete rainfall record. <u>5/</u> Item 37 - Sedimentation values computed by LACFCD based on complete water year.															
48. AGENCY MAKING SURVEY				LACFCD				50. DATE				14 Feb 75			
49. AGENCY SUPPLYING DATA				C of E											

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

May Debris Basin No. 1

NAME OF RESERVOIR

70-746

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' 55"			8. TOP OF DAM ELEVATION 1692.5			9. SPILLWAY CREST ELEV. 1684.0								
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	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 1/ MILES				AV. WIDTH OF RESERVOIR 1/ MILES										
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	Sep 76		2.0	23.2											
	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		15.64		No record of inflow.										
	Sep 67		19.35												
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Sep 69		73.0	73.0	104.0	133.0	8.21	11.7								
Sep 74		0.19	.04	.06	133.19	6.28	8.97								
Sep 76		14.13	7.07	10.09	147.32	6.35	9.07								
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												

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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

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