

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

WILDWOOD DEBRIS BASIN (Revised)

NAME OF RESERVOIR

70-105a

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM Wildwood Creek			3. STATE California							
	4. Spad Grant WP. 3N RANGE 16W			5. NEAREST P.O. Newhall			6. COUNTY Los Angeles							
	7. LAT 34° 22' 11" N LONG 118° 52' 01" W			8. TOP OF DAM ELEVATION 1360.0			9. SPILLWAY CREST ELEV. 1354.0							
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										Sep 67			
	f. CONSERVATION													
	g. INACTIVE													
WATERSHED	17. LENGTH OF RESERVOIR 0.055 MILES				AV. WIDTH OF RESERVOIR .036 MILES									
	18. TOTAL DRAINAGE AREA .65 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 17.8 INCHES									
	19. NET SEDIMENT CONTRIBUTING AREA .65 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES									
	20. LENGTH 1.705 MILES		AV. WIDTH .381 MILES		24. MEAN ANNUAL RUNOFF AC. FT.									
	21. MAX. ELEV. 2100.0		MIN. ELEV. 1340.3		25. ANNUAL TEMP MEAN 58.4° RANGE 40.1°-76.2°									
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 69		2	2				2						
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET			36. WATER INFL. TO DATE, AC.-FT.						
	Sep 69		23.50		No record of inflow									
	26. DATE OF SURVEY		37. <u>3</u> / PERIOD CAPACITY LOSS, ACRE-FEET			38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET								
	Sep 69		11.21			5.60			8.62			11.21		
			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. 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 - Temperatures taken at Newhall, California. <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				50. DATE				10 Feb 72			
49. AGENCY SUPPLYING DATA				C of E											

RESERVOIR SEDIMENT
DATA SUMMARY

Wildwood Debris Basin (Revised)
NAME OF RESERVOIR

70-105A

DATA SHEET NO.

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	4. SEC Land Grant 3N RANGE 16W			5. NEAREST P.O. Newhall			6. COUNTY Los Angeles				
	7. LAT. 34° 22' 11" LONG 118° 32' 01"			8. TOP OF DAM ELEVATION 1360.0			9. SPILLWAY CREST ELEV. 1354.0				
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										
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	e. IRRIGATION										
	f. CONSERVATION										
	g. INACTIVE									Sep 67	
WATERSHED	17. LENGTH OF RESERVOIR 0.055 MILES				AV. WIDTH OF RESERVOIR 0.36 MILES						
	18. TOTAL DRAINAGE AREA .65 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 17.8 INCHES						
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	Sep 69	2	2				2/				
	Sep 73	4	6								
	Sep 76	3	9								
	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 69	23.50	No record of inflow.								
	Sep 73	15.76									
	Sep 76	14.91									
	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 69	11.21	5.60	8.62	11.21	5.60	8.62					
Sep 73	3.78	.95	1.45	14.99	2.50	3.84					
Sep 76	3.29	1.10	1.69	18.28	2.03	3.12					
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											
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26. DATE OF SURVEY	44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR														
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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

1/ Item 25 - Temperatures taken at Newhall, California.
 2/ Item 32 - Capacity of debris varies. Debris excavated at various times.
 3/ 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 Feb 77