

RESERVOIR SEDIMENT  
DATA SUMMARY

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS

Altadena Golf Course Debris Basin  
NAME OF RESERVOIR

70-108

DATA SHEET NO.

DAM	1. OWNER <b>LACFCD</b>			2. STREAM <b>Rubio Wash</b>			3. STATE <b>California</b>					
	4. SEC. Land TWP. <b>GranRANGE</b>			5. NEAREST P.O. <b>Altadena</b>			6. COUNTY <b>Los Angeles</b>					
	7. LAT <b>34° 10' 49" N</b> LONG <b>118° 06' 59" W</b>			8. TOP OF DAM ELEVATION <b>1185.6</b>			9. SPILLWAY CREST ELEV. <b>1181.7</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										16. DATE NORMAL OPER. BEGAN  <b>1946</b>	
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY											
	e. IRRIGATION											
	f. CONSERVATION											
	g. INACTIVE											
17. LENGTH OF RESERVOIR <b>.04</b> MILES			AV. WIDTH OF RESERVOIR <b>.04</b> MILES									
WATERSHED	18. TOTAL DRAINAGE AREA <b>0.2</b> SQ. MI.			22. MEAN ANNUAL PRECIPITATION <b>22.5</b> INCHES								
	19. NET SEDIMENT CONTRIBUTING AREA <b>0.2</b> SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES								
	20. LENGTH <b>1.31</b> MILES		AV. WIDTH <b>.15</b> MILES		24. MEAN ANNUAL RUNOFF AC.-FT.							
	21. MAX. ELEV. <b>1610</b>		MIN. ELEV. <b>1169.6</b>		25. ANNUAL TEMP. MEAN <b>62.2°</b> RANGE <b>48.8°-75.6°</b>							
	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		1.0	13.0									
Sep 72		13.0	26.0									
SURVEY DATA	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	10.63		No record of inflow.								
	Sep 72	19.20										
	26. DATE OF SURVEY	37. 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	2.34	2.34	11.70	17.19	1.32	6.60					
	Sep 72	.68	.05	.25	17.87	.69	3.45					
	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 - Temperature taken at Pasadena, Calif. <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 are based on complete water year.															
48. AGENCY MAKING SURVEY LACFCD					50. DATE 12 Feb 73										
49. AGENCY SUPPLYING DATA C of E															