

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

Sunset Debris Basin (Lower)
NAME OF RESERVOIR

70-102

DATA SHEET NO.

DAM	1. OWNER LACPCD		2. STREAM Sunset Canyon		3. STATE California				
	4. SEC. Land TWP. Grant RANGE		5. NEAREST P. O. Glendale		6. COUNTY Los Angeles				
	7. LAT. 34° 12' 18" LONG. 118° 17' 05"		8. TOP OF DAM ELEVATION 1056.0		9. SPILLWAY CREST ELEV. 1040.0				
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 Jan 1965			
	e. IRRIGATION								
	f. CONSERVATION								
	g. INACTIVE								
17. LENGTH OF RESERVOIR .148 MILES	AV. WIDTH OF RESERVOIR .057 MILES								
WATERSHED	18. TOTAL DRAINAGE AREA 0.65 SQ. MI.	22. MEAN ANNUAL PRECIPITATION INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 0.65 SQ. MI.	23. MEAN ANNUAL RUNOFF INCHES							
	20. LENGTH 1.799 MILES	AV. WIDTH .36 MILES	24. MEAN ANNUAL RUNOFF AC.-FT.						
	21. MAX. ELEV. 3,126	MIN. ELEV. 994.5	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 1967	2.7	2.7				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 1967	14.94	No record of inflow.						
	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 1967	9.8	3.63	5.58	9.8	3.63	5.58		
	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
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														
<p>1/ Item 25 - Temperature taken at Pasadena, California.</p> <p>2/ Item 32 - Debris basin capacity varies. Debris excavated at various times.</p> <p>3/ Item 37 - Sediment values computed by IACFCD and are based on complete water year.</p>														
48. AGENCY MAKING SURVEY IACFCD														
49. AGENCY SUPPLYING DATA C of E														
50. DATE 6 Feb 68														

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

Sunset Debris Basin (Lower)

NAME OF RESERVOIR

70-102a

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM Sunset Canyon			3. STATE Calif					
	4. SEC. Land TWP. Gran RANGE			5. NEAREST P.O. Glendale			6. COUNTY Los Angeles					
	7. LAT 34°12'18" LONG 118°17'05"			8. TOP OF DAM ELEVATION 1056.0			9. SPILLWAY CREST ELEV. 1040.0					
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										Jan 64	
	f. CONSERVATION											
g. INACTIVE												
WATERSHED	17. LENGTH OF RESERVOIR .148 MILES				AV. WIDTH OF RESERVOIR .057 MILES							
	18. TOTAL DRAINAGE AREA .65 SQ. MI.				22. MEAN ANNUAL PRECIPITATION INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA .65 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES							
	20. LENGTH 1.799 MILES		AV. WIDTH .36 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.							
	21. MAX. ELEV. 3,126		MIN. ELEV. 994.5		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 65		1.75	1.75								
	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 65		12.52		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							
		a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI. YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI. YEAR					
Sep 65		12.07	6.90	10.62	12.07	6.90	10.62					
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, California. <u>2/</u> Item 32 - Debris basin capacity varies. Debris excavated at various times. <u>3/</u> Item 37 - Sediment values computed by LACFCD and are based on complete water year.															
48. AGENCY MAKING SURVEY				LACFCD											
49. AGENCY SUPPLYING DATA				C of E											
50. DATE <u>8 Feb 72</u>															