

RESERVOIR SEDIMENT  
DATA SUMMARY

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS

Starfall Debris Basin  
NAME OF RESERVOIR

70-116

DATA SHEET NO.

DAM	1. OWNER <u>LACFCD</u>			2. STREAM <u>Starfall Canyon</u>			3. STATE <u>California</u>					
	4. SEC. <u>22</u> TWP. <u>2N</u> RANGE <u>13W</u>			5. NEAREST P.O. <u>La Crescenta</u>			6. COUNTY <u>Los Angeles</u>					
	7. LAT. <u>34° 14' 48"</u> LONG. <u>118° 14' 10"</u>			8. TOP OF DAM ELEVATION <u>2246.5</u>			9. SPILLWAY CREST ELEV. <u>2441.5</u>					
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										Nov 73	
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY											
	e. IRRIGATION										16. DATE NORMAL OPER. BEGAN	
	f. CONSERVATION											
g. INACTIVE												
WATERSHED	17. LENGTH OF RESERVOIR <u>.06</u> MILES				AV. WIDTH OF RESERVOIR <u>02.</u> MILES							
	18. TOTAL DRAINAGE AREA <u>0.13</u> SQ. MI.				22. MEAN ANNUAL PRECIPITATION _____ INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA <u>0.13</u> SQ. MI.				23. MEAN ANNUAL RUNOFF _____ INCHES							
	20. LENGTH <u>76</u> MILES		AV. WIDTH <u>17</u> MILES		24. MEAN ANNUAL RUNOFF _____ AC.-FT.							
	21. MAX. ELEV. <u>4320.0</u>		MIN. ELEV. <u>2430.0</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>2</u> /ACRE-FEET		33. C/I. RATIO, AC.-FT. PER AC.-FT.		
	Sep 75		2	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 75		25.09		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 75		1.55	78	6.0	1.55	.78	6.0				
	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

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 are based on complete water year.

48. AGENCY MAKING SURVEY                      LACFCD

49. AGENCY SUPPLYING DATA                  C of E

50. DATE    Feb 76