

RESERVOIR SEDIMENTATION
DATA SUMMARY

Auburn Debris Basin

70-66

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER LACFD			2. RIVER Auburn			3. STATE California				
	4. SEC. TWP. RANGE		5. NEAREST TOWN Sierra Madre			6. COUNTY Los Angeles					
	7. STREAM BED ELEV. 1263			8. TOP OF DAM ELEV. 1283			9. SPILLWAY CREST ELEV. 1275				
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. SURFACE AREA ACRES		13. STORAGE ACRE-FEET		14. ACCUMULATED ACRE-FEET		15. DATE STORAGE BEGAN
	a. FLOOD CONTROL										
	b. POWER										
	c. WATER SUPPLY										
	d. IRRIGATION										16. DATE NORMAL OPER. BEGAN
	e. CONSERVATION										
	f. INACTIVE										Dec 1954
WATERSHED	17. LENGTH OF RESERVOIR .05 MILES				AV. WIDTH OF RESERVOIR .04 MILES						
	18. TOTAL DRAINAGE AREA .19 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 26.50 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA .19 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES						
	20. LENGTH .8 MILES		AV. WIDTH .3 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.						
	21. MAX. ELEV. 3300		MIN. ELEV. 1275		25. CLIMATIC CLASSIFICATION Subhumid						
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/W RATIO AC.-FT. PER SQ. MI.			
	Sep 1959	4.8	4.8								
	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 1959	25.96	No record of inflow									
26. DATE OF SURVEY	37. PERIOD SEDIMENT DEPOSITS ACRE-FEET			38. TOTAL SED. DEPOSITS TO DATE ACRE-FEET							
	a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YR.	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YR.					
Sept 1959	2.4	.5	2.6	2.4	.5	2.6					
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. ANNUAL	b. TO DATE	a. PERIOD	b. TO DATE				

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, 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

* Item 32 - Capacity of debris basin varies. Debris excavated at various times.

48. AGENCY SUPPLYING DATA LACFCD & C of E

49. DATE 8 Feb 60

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

AUBURN DEBRIS BASIN

NAME OF RESERVOIR

70-66a

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM AUBURN CREEK			3. STATE CALIFORNIA			
	4. SEC. Land TWP. Grant RANGE			5. NEAREST P.O. Sierra Madre			6. COUNTY Los Angeles			
	7. LAT 34°10'35" LONG 118°03'10"			8. TOP OF DAM ELEVATION 1,283			9. SPILLWAY CREST ELEV. 1,275			
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									
	f. CONSERVATION									
g. INACTIVE					Dec 54					
WATERSHED	17. LENGTH OF RESERVOIR .05 MILES			AV. WIDTH OF RESERVOIR 0.04 MILES						
	18. TOTAL DRAINAGE AREA .19 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 26.5 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA .19 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES						
	20. LENGTH 0.8 MILES		AV. WIDTH 0.3 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.					
	21. MAX. ELEV. 3,300		MIN. ELEV. 1,275		25. 1 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, 2/ ACRE-FEET	33. C/I. RATIO, AC.-FT. PER AC.-FT.		
	Sep 62	7.8	7.8							
	Sep 68	6.0	13.8							
	Sep 72	4.0	17.8							
	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 62	23.18	No record of inflow							
	Sep 68	25.15								
	Sep 72	27.15								
	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 62	17.40	2.23	11.74	17.40	2.23	11.74				
Sep 68	6.57	1.1	5.8	23.97	1.74	9.16				
Sep 72	5.52	1.4	29.1	29.49	1.66	8.74				
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															
<p>1/ Item 25- Temperature taken at Pasadena, California.</p> <p>2/ Item 32- Capacity of debris basin varies. Debris excavated at various times.</p> <p>3/ Item 37 - Sedimentation values computed by LACFCD are based on complete water year.</p>															
48. AGENCY MAKING SURVEY LACFCD															
49. AGENCY SUPPLYING DATA C of E															
50. DATE 12 Feb 73															

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DATA SUMMARY

AUBURN DEBRIS BASIN
NAME OF RESERVOIR

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	4. SEC. Land TWP. Grant RANGE			5. NEAREST P.O. Sierra Madre			6. COUNTY Los Angeles												
	7. LAT. 34° 10' 35" LONG. 118° 03' 10"			8. TOP OF DAM ELEVATION 1,283			9. SPILLWAY CREST ELEV. 1,275												
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																		
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WATERSHED	17. LENGTH OF RESERVOIR .05 MILES			AV. WIDTH OF RESERVOIR 0.04 MILES															
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	21. MAX. ELEV. 3,300			MIN. ELEV. 1,275			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 62		7.8		7.8														
	Sep 68		6.0		13.8														
	Sep 72		4.0		17.8														
	Sep 76		4.0		21.8														
	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 62		23.18		No record of inflow,														
	Sep 68		25.15																
	Sep 72		27.15																
Sep 76		26.63																	
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 62		17.40			2.23			11.74			17.40			2.23			11.74		
Sep 68		6.57			1.1			5.8			23.97			1.74			9.16		
Sep 72		5.52			1.4			29.1			29.49			1.66			8.74		
Sep 76		.19			.1			.53			29.68			1.50			7.89		
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														
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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- 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 77