

RESERVOIR SEDIMENTATION
DATA SUMMARY

Scholl Debris Basin

70-54a

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. RIVER Scholl Canyon			3. STATE California					
	4. SEC. TWP.		RANGE		5. NEAREST TOWN Glendale			6. COUNTY Los Angeles				
	7. STREAM BED ELEV. 950.0			8. TOP OF DAM ELEV. 966.0			9. SPILLWAY CREST ELEV. 956.0					
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										16. DATE NORMAL OPER. BEGAN	
	d. IRRIGATION											
	e. CONSERVATION										Aug. 1945	
	f. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR .15			MILES			AV. WIDTH OF RESERVOIR .03			MILES		
	18. TOTAL DRAINAGE AREA .66			SQ. MI.			22. MEAN ANNUAL PRECIPITATION 20.5			INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA .66			SQ. MI.			23. MEAN ANNUAL RUNOFF			INCHES		
	20. LENGTH 1.19		MILES		AV. WIDTH .55		MILES		24. MEAN ANNUAL RUNOFF			
									AC.-FT.			
21. MAX. ELEV. 1,888			MIN. ELEV. 956.0			25. CLIMATIC CLASSIFICATION Sub-humid						
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.
	Sept. 1947		2	2						<u>1/</u>		
	Sept. 1948		1	3								
	Sept. 1949		1	4								
	Sept. 1950		1	5								
	Sept. 1952		2	7								
	Sept. 1961		9	16								
	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			
	Sept. 1947		17.7		No record of inflow.							
Sept. 1948		9.6										
Sept. 1949		11.4										
Sept. 1950		14.5										
Sept. 1952		24.54										
Sept. 1961		14.91										
26. DATE OF SURVEY		37. PERIOD SEDIMENT DEPOSITS ACRE-Feet <u>1/2</u>			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. 1947		.42	.21	.32	.42	.21	.32					
Sept. 1948		0			.42	.14	.21					
Sept. 1949		0			.42	.10	.15					
Sept. 1950		0			.42	.08	.12					
Sept. 1952		1.92	.96	1.45	2.34	.33	.51					
Sept. 1961		3.11	.35	.53	5.45	.34	.52					
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 SERVOIR															
	0-10	10-20	20-30	30-40	40-50	50-60	60-70	70-80	80-90	90-100	-1	-5	-10	-15	-20	-25
	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/ Capacity of debris basin varies. Debris excavated at various times.
 2/ Sedimentation values computed by LACFCD are based on complete water year.

48. AGENCY SUPPLYING DATA
 LACFCD & C of E

49. DATE 1-16-62

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

Scholl Debris Basin
NAME OF RESERVOIR

70-54c
DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM Scholl Canyon			3. STATE California							
	4. SEC. Land TWP. Grant Range			5. NEAREST P O Glendale			6. COUNTY Los Angeles							
	7. LAT 34°09'11" LONG 118°12'03"			8. TOP OF DAM ELEVATION 966.0			9. SPILLWAY CREST ELEV. 956.0							
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			
	b. FLOOD CONTROL													
	c. POWER													
	d. WATER SUPPLY										16. DATE NORMAL OPER BEGAN			
	e. IRRIGATION										Aug 45			
	f. CONSERVATION													
	g. INACTIVE													
	17. LENGTH OF RESERVOIR 0.15 MILES			AV. WIDTH OF RESERVOIR 0.03 MILES										
WATERSHED	18. TOTAL DRAINAGE AREA 0.66 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 20.5 INCHES										
	19. NET SEDIMENT CONTRIBUTING AREA 0.66 SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES										
	20. LENGTH 1.19 MILES		AV. WIDTH 0.55 MILES		24. MEAN ANNUAL RUNOFF AC. FT.									
	21. MAX. ELEV. 1,888		MIN. ELEV. 956.0		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 70		8	25										
	Sep 74		4	29										
	Sep 75		1	30										
	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 70		20.02		No record of inflow.									
	Sep 74		16.56											
	Sep 75		16.84											
	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 70		5.21	0.65	0.98	11.1	0.44	0.67							
Sep 74		1.49	0.37	0.56	12.59	0.43	0.65							
Sep 75		0.62	0.62	0.94	13.21	0.44	0.67							
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	-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 basin varies. Debris excavated at various times.</p> <p>3/ Item 37 - Sedimentation values computed by LACFCD based on complete water year.</p>															
48. AGENCY MAKING SURVEY LACFCD				49. AGENCY SUPPLYING DATA C of E											
				50. DATE Feb 76											