

RESERVOIR SEDIMENTATION HAINES DEBRIS BASIN
DATA SUMMARY (in 2 sheets)

70-45
NAME OF RESERVOIR DATA SHEET NO.

DAM	1. OWNER USED			2. RIVER Haines			3. STATE Calif.									
	4. SEC. TWP. 2 N RANGE 13 W			5. NEAREST TOWN Tujunga			6. COUNTY Los Angeles									
	7. STREAM BED ELEV. 2180.0			8. TOP OF DAM ELEV. 2203.0			9. SPILLWAY CREST ELEV. 2188.0									
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										1936					
	c. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	d. IRRIGATION															
	e. CONSERVATION															
	f. INACTIVE										1938					
WATERSHED	17. LENGTH OF RESERVOIR .11 MILES				AV. WIDTH OF RESERVOIR .06 MILES											
	18. TOTAL DRAINAGE AREA 1.53 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 27.0 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 1.53 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES											
	20. LENGTH 2.35 MILES		AV. WIDTH .65 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.											
	21. MAX. ELEV. 5060		MIN. ELEV. 2180.		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.	
	Sept. 1938		3		3											
	" 1940		2		5											
	" 1941		1		6											
	" 1943		2		8											
	" 1944		1		9											
	" 1945		1		10											
	" 1946		1		11											
	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. 1938		32.0		No record of inflow.											
	" 1940		25.1													
	" 1941		55.3													
	" 1943		31.1													
	" 1944		37.2													
" 1945		23.0														
" 1946		24.3														
26. DATE OF SURVEY		37. PERIOD SEDIMENT DEPOSITS ACRE-FEET 2/				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. 1938		31.93		10.6		6.93		31.9		10.6		6.93				
" 1940		7.08		3.54		2.31		39.0		7.80		5.10				
" 1941		7.78		7.78		5.09		46.8		7.80		5.10				
" 1943		12.90		6.45		4.22		59.7		7.46		4.88				
" 1944		5.48		5.48		3.58		65.2		7.24		4.73				
" 1945		3.97		3.97		2.59		69.1		6.91		4.52				
" 1946		0		0		0		69.1		6.28		4.10				
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		

RESERVOIR SEDIMENTATION DATA SUMMARY (Continued)

HAINES DEBRIS BASIN

70-45

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER			2. RIVER			3. STATE					
	4. SEC.		TWP.	RANGE		5. NEAREST TOWN			6. COUNTY			
	7. STREAM BED ELEV.				8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV.				
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											
	f. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR				MILES		AV. WIDTH OF RESERVOIR				MILES	
	18. TOTAL DRAINAGE AREA				SQ. MI.		22. MEAN ANNUAL PRECIPITATION				INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA				SQ. MI.		23. MEAN ANNUAL RUNOFF				INCHES	
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF		AC.-FT.	
	21. MAX. ELEV.		MIN. ELEV.		25. CLIMATIC CLASSIFICATION							
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. ML				
	Sept. 1947	1	12									
	Sept. 1948	1	13									
	" 1949	1	14									
	" 1950	1	15									
	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	28.5		No record of inflow.								
	" 1948	12.0										
	" 1949	16.0										
" 1950	17.7											
26. DATE OF SURVEY	37. PERIOD SEDIMENT DEPOSITS ACRE-FEET ² / ₃			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	.57	.57	.37	69.7		5.81		3.80				
" 1948	0	0	0	69.7		5.36		3.50				
" 1949	0	0	0	69.7		4.98		3.25				
" 1950	0	0	0	69.7		4.65		3.04				
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	-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 32. Capacity of debris basin varies. Debris excavated at various times.

2/ Item 37. Sedimentation values computed by LACFCD are based on complete water year.

48. AGENCY SUPPLYING DATA LACFCD & C. of E. 49. DATE 12 March 1951