

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

STOUGH DEBRIS BASIN

NAME OF RESERVOIR

70-58b

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM Stough			3. STATE California								
	4. SEC. Land TWP. Grant RANGE			5. NEAREST P.O. Burbank			6. COUNTY Los Angeles								
	7. LAT. 34° 11' 30" LONG 118° 18' 30"			8. TOP OF DAM ELEVATION 1037.0			9. SPILLWAY CREST ELEV. 1024.4								
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 1941				
	f. CONSERVATION														
	g. INACTIVE														
17. LENGTH OF RESERVOIR			.09 MILES			AV. WIDTH OF RESERVOIR			.08 MILES						
WATERSHED	18. TOTAL DRAINAGE AREA				1.65 SQ. MI.		22. MEAN ANNUAL PRECIPITATION				19.7 INCHES				
	19. NET SEDIMENT CONTRIBUTING AREA				1.65 SQ. MI.		23. MEAN ANNUAL RUNOFF				INCHES				
	20. LENGTH		1.85 MILES		AV. WIDTH		.89 MILES		24. MEAN ANNUAL RUNOFF				AC.-FT.		
	21. MAX. ELEV.			3085			MIN. ELEV.			1024.4			25. ANNUAL TEMP MEAN 62.2° RANGE 48.8°-75.6°		
	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 1943		3		3											
Sep 1944		1		4											
Sep 1945		1		5											
Sep 1946		1		6											
Sep 1947		1		7											
Sep 1950		3		10											
SURVEY DATA	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 1943		29.8		No record of inflow.										
	Sep 1944		24.3												
	Sep 1945		16.5												
	Sep 1946		16.3												
	Sep 1947		18.5												
	Sep 1950		10.1												
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 1943		20.91		6.97		4.22		20.9		6.97		4.22			
Sep 1944		4.68		4.68		2.84		25.6		6.40		3.88			
Sep 1945		2.90		2.90		1.76		28.5		5.70		3.45			
Sep 1946		0		0		0		28.5		4.75		2.88			
Sep 1947		0		0		0		28.5		4.07		2.47			
Sep 1950		0		0		0		28.5		2.85		1.73			
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				12 March 1951			

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

STOUGH DEBRIS BASIN

NAME OF RESERVOIR

70-58C

DATA SHEET NO.

DAM	1. OWNER LACFCO			2. STREAM Stough Cyn Channel			3. STATE California					
	4. SEC. 36 TWP. 2N RANGE 14W			5. NEAREST P.O. Surban's			6. COUNTY Los Angeles					
	7. LAT. 34° 12' 37" LONG. 118° 18' 09"			8. TOP OF DAM ELEVATION 1037.0			9. SPILLWAY CREST ELEV. 1024.4					
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 41	
	f. CONSERVATION											
	g. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR 0.9 MILES				AV. WIDTH OF RESERVOIR 0.8 MILES							
	18. TOTAL DRAINAGE AREA 1.65 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 19.7 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 1.65 SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES							
	20. LENGTH 1.85 MILES		AV. WIDTH .89 MILES		24. MEAN ANNUAL RUNOFF AC.-FT.							
	21. MAX. ELEV. 3,085		MIN. ELEV. 1024.4		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, 2/ ACRE-Feet		33. C/I. RATIO, AC.-FT. PER AC.-FT.		
	Apr 52		1.6	11.7								
	Apr 58		6.4	18.1								
	Sep 60		2.0	20.1								
	Sep 65		5.0	25.1								
	Sep 73		8.0	33.1								
	Sep 75		2.0	35.1								
	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	
	Apr 52		27.33		No record of inflow.							
	Sep 58		15.44									
	Sep 60		8.24									
	Sep 65		13.67									
	Sep 73		16.06									
	Sep 75		17.11									
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			
Apr 52		7.21	4.51	2.73	35.7		3.05		1.85			
Sep 58		3.90	.61	.37	39.6		2.19		1.33			
Sep 60		2.48	1.24	.75	42.1		2.09		1.27			
Sep 65		23.6	4.72	2.86	65.7		2.62		1.59			
Sep 73		4.28	.54	.32	70.0		2.11		1.28			
Sep 75		.62	.31	.19	70.62		2.01		1.22			
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

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STOUGH DEBRIS BASIN

NAME OF RESERVOIR

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70-58b

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	a. FLOOD CONTROL														
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	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 77		2.0		37.1											
26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET				36. WATER INFL. TO DATE, AC.-FT.							
Sep 77		14.22		a. MEAN ANNUAL b. MAX. ANNUAL c. PERIOD TOTAL				a. MEAN ANNUAL b. TOTAL TO DATE							
				No record of inflow.											
26. DATE OF SURVEY		37. 3/ PERIOD CAPACITY LOSS, ACRE-FEET				38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET									
Sep 77		a. PERIOD TOTAL		b. AV. ANNUAL		c. PER SQ. MI.-YEAR		a. TOTAL TO DATE		b. AV. ANNUAL		c. PER SQ. MI.-YEAR			
		0.25		0.13		0.08		70.87		1.91		1.16			
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
	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
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