

RESERVOIR SEDIMENT  
DATA SUMMARY

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS

DUNSMUIR DEBRIS BASIN  
NAME OF RESERVOIR

70-40b

DATA SHEET NO.

DAM	1. OWNER <b>LACFCD</b>			2. STREAM <b>Dunsmuir</b>			3. STATE <b>California</b>									
	4. SEC. <b>Land</b> TWP. <b>Gran</b> RANGE			5. NEAREST P O <b>Tujunga</b>			6. COUNTY <b>Los Angeles</b>									
	7. LAT. <b>34°14'57"</b> LONG. <b>118°15'10"</b>			8. TOP OF DAM ELEVATION <b>2272.2</b>			9. SPILLWAY CREST ELEV. <b>2257.2</b>									
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										Oct 1936					
	f. CONSERVATION															
g. INACTIVE																
WATERSHED	17. LENGTH OF RESERVOIR <b>.09</b> MILES				AV. WIDTH OF RESERVOIR <b>.03</b> MILES											
	18. TOTAL DRAINAGE AREA <b>.84</b> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <b>27.9</b> INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA <b>.84</b> SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES											
	20. LENGTH <b>1.81</b> MILES		AV. WIDTH <b>.46</b> MILES		24. MEAN ANNUAL RUNOFF AC-FT.											
	21. MAX. ELEV. <b>5060</b>		MIN. ELEV. <b>2249</b>		25. ANNUAL TEMP MEAN <b>62.6°</b> RANGE <b>48.8°-75.6°</b>											
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 1936		1		1											
	Sep 1938		2		3											
	Sep 1940		2		5											
	Sep 1941		1		6											
	Sep 1942		1		7											
	Sep 1943		1		8											
	Sep 1944		1		9											
	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 1936		22.1													
	Sep 1938		42.9													
	Sep 1940		26.9													
	Sep 1941		54.9													
	Sep 1942		20.1													
Sep 1943		48.0														
Sep 1944		33.6														
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 1936		.58		.58		.69		.58		.58		.69				
Sep 1938		48.68		24.3		29.0		49.3		16.4		19.5				
Sep 1940		13.68		6.84		8.14		62.9		12.6		15.0				
Sep 1941		7.34		7.34		8.74		70.3		11.7		13.9				
Sep 1942		.23		.23		.27		70.5		10.1		12.0				
Sep 1943		8.68		8.68		10.3		79.2		9.90		11.8				
Sep 1944		2.41		2.41		2.87		81.6		9.10		10.8				
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														
<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 March 1951						

RESERVOIR SEDIMENT  
DATA SUMMARY

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS

DUNSMUIR DEBRIS BASIN (Continued)

NAME OF RESERVOIR

70-40 b

DATA SHEET NO.

DAM	1. OWNER <b>LACFCD</b>		2. STREAM <b>Dunsmuir</b>		3. STATE <b>California</b>							
	4. SEC. <b>Land</b> TWP. <b>Grant</b> RANGE		5. NEAREST P. O. <b>Tujunga</b>		6. COUNTY <b>Los Angeles</b>							
	7. LAT. <b>34° 14' 57"</b> LONG <b>118° 15' 10"</b>		8. TOP OF DAM ELEVATION <b>2272.2</b>		9. SPILLWAY CREST ELEV. <b>2257.2</b>							
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										Oct 1936	
	f. CONSERVATION											
	g. INACTIVE											
WATERSHED	17. LENGTH OF RESERVOIR <b>.09</b> MILES				AV. WIDTH OF RESERVOIR <b>.03</b> MILES							
	18. TOTAL DRAINAGE AREA <b>.84</b> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <b>27.9</b> INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA <b>.84</b> SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES							
	20. LENGTH <b>1.81</b> MILES		AV. WIDTH <b>.46</b> MILES		24. MEAN ANNUAL RUNOFF AC.-FT.							
	21. MAX. ELEV. <b>5060</b>		MIN. ELEV. <b>2249</b>		25. ANNUAL TEMP. MEAN <b>62.2°</b> RANGE <b>48.8°-75.6°</b>							
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 1945		1	10				2/				
	Sep 1946		1	11								
	Sep 1947		1	12								
	Sep 1948		1	13								
	Sep 1949		1	14								
	Sep 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	
	Sep 1945		27.5		No record of inflow							
	Sep 1946		22.5									
	Sep 1947		27.6									
	Sep 1948		12.1									
	Sep 1949		16.4									
	Sep 1950		20.7									
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 1945		.47	.47	.56	82.1	8.21	9.77					
Sep 1946		2.63	2.63	3.13	84.7	7.70	9.17					
Sep 1947		.97	.97	1.15	85.7	7.14	8.50					
Sep 1948		0	0	0	85.7	6.59	7.85					
Sep 1949		0	0	0	85.7	6.12	7.29					
Sep 1950		0	0	0	85.7	5.71	6.80					
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														
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 years.														
48. AGENCY MAKING SURVEY				LACFCD										
49. AGENCY SUPPLYING DATA				C of E										
50. DATE						12 March 1951								

RESERVOIR SEDIMENTATION  
DATA SUMMARY

DUNSMUIR DEBRIS BASIN

70-40b

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER <b>LACFCD</b>			2. RIVER <b>Dunsmuir Canyon Chan</b>			3. STATE <b>California</b>		
	4. SEC. TWP. RANGE			5. NEAREST TOWN <b>Tujunga</b>			6. COUNTY <b>Los Angeles</b>		
	7. STREAM BED ELEV. <b>2,249.0</b>			8. TOP OF DAM ELEV. <b>2,272.2</b>			9. SPILLWAY CREST ELEV. <b>2,257.2</b>		
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					<b>Oct. 1936</b>			
17. LENGTH OF RESERVOIR <b>.09</b> MILES			AV. WIDTH OF RESERVOIR <b>.03</b> MILES						
WATERSHED	18. TOTAL DRAINAGE AREA <b>.84</b> SQ. MI.			22. MEAN ANNUAL PRECIPITATION <b>27.9</b> INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA <b>.84</b> SQ. MI.			23. MEAN ANNUAL RUNOFF INCHES					
	20. LENGTH <b>1.81</b> MILES			AV. WIDTH <b>.46</b> MILES			24. MEAN ANNUAL RUNOFF AC.-FT.		
	21. MAX. ELEV. <b>5,060</b>			MIN. ELEV. <b>2,257.2</b>			25. CLIMATIC CLASSIFICATION <b>Subhumid</b>		
	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 1954		2	19				<b>1/</b>		
Sep 1959		5	24						
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		
	Sept 1952	30.71	No record of inflow						
	Sep 1954	20.50							
	Sep 1959	23.91							
26. DATE OF SURVEY	37. <b>2/</b> 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.			
Sep 1952	6.83	3.42	4.07	92.5	5.44	6.48			
Sep 1954	0.59	0.295	.35	93.1	4.90	5.83			
Sep 1959	13.3	2.66	3.16	106.4	4.43	5.27			
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														
<p>1/ Item 32 - Capacity of debris basin varies. Debris excavated at various times.</p> <p>2/ Item 37 - Sedimentation values as computed by LACFCD are sediment removed from basin and are based on complete water year.</p>														
48. AGENCY SUPPLYING DATA LACFCD & C of E										49. DATE 6 Feb 1961				

RESERVOIR SEDIMENT  
DATA SUMMARY

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS

Dunsmuir Debris Basin  
NAME OF RESERVOIR

70-40d

DATA SHEET NO.

DAM	1. OWNER <u>LACFCD</u>			2. STREAM <u>Dunsmuir Canyon</u>			3. STATE <u>California</u>					
	4. SEC. <u>21</u> TWP. <u>2N</u> RANGE <u>13W</u>			5. NEAREST P.O. <u>Tujunga</u>			6. COUNTY <u>Los Angeles</u>					
	7. LAT. <u>34° 14' 52"</u> LONG. <u>118° 15' 08"</u>			8. TOP OF DAM ELEVATION <u>2272.2</u>			9. SPILLWAY CREST ELEV. <u>2257.2</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											
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION										Oct 1936	
	f. CONSERVATION											
g. INACTIVE												
WATERSHED	17. LENGTH OF RESERVOIR <u>0.09</u> MILES				AV. WIDTH OF RESERVOIR <u>0.3</u> MILES							
	18. TOTAL DRAINAGE AREA <u>0.84</u> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <u>27.9</u> INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA <u>0.84</u> SQ. MI.				23. MEAN ANNUAL RUNOFF _____ INCHES							
	20. LENGTH <u>1.81</u> MILES		AV. WIDTH <u>.46</u> MILES		24. MEAN ANNUAL RUNOFF _____ AC.-FT.							
	21. MAX. ELEV. <u>5,060</u>		MIN. ELEV. <u>2257.2</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 54		2	19								
	Sep 59		5	24								
	Sep 70		11	35								
	Sep 75		5	40								
	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 54		20.50		No record of inflow.							
	Sep 59		23.91									
	Sep 70		25.59									
Sep 75		24.55										
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 54		0.59	0.30	0.36	93.1	4.90	5.83					
Sep 59		13.3	2.66	3.17	106.4	4.43	5.28					
Sep 70		14.6	1.33	1.58	121.0	3.46	4.12					
Sep 75		2.17	.43	.51	123.17	3.08	3.67					
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 Feb 76			



RESERVOIR SEDIMENT  
DATA SUMMARY

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS

EAGLE DEBRIS BASIN

NAME OF RESERVOIR

70-41c

DATA SHEET NO.

DAM	1. OWNER <b>LACFCD</b>			2. STREAM <b>Eagle Canyon</b>			3. STATE <b>California</b>							
	4. SEC. Land TWP. <b>GrantRANGE</b>			5. NEAREST P.O. <b>La Crescenta</b>			6. COUNTY <b>Los Angeles</b>							
	7. LAT. <b>34°14'06"</b> LONG <b>118°12'03"</b>			8. TOP OF DAM ELEVATION <b>1895</b>			9. SPILLWAY CREST ELEV. <b>1880</b>							
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										Oct 36			
	f. CONSERVATION													
	g. INACTIVE													
WATERSHED	17. LENGTH OF RESERVOIR <b>0.08</b> MILES				AV. WIDTH OF RESERVOIR MILES									
	18. TOTAL DRAINAGE AREA <b>0.61</b> SQ. MI.				22. MEAN ANNUAL PRECIPITATION INCHES									
	19. NET SEDIMENT CONTRIBUTING AREA <b>0.61</b> SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES									
	20. LENGTH <b>1.35</b> MILES		AV. WIDTH <b>0.45</b> MILES		24. MEAN ANNUAL RUNOFF AC.-FT.									
	21. MAX. ELEV. <b>4150</b>		MIN. ELEV. <b>1850</b>		25. ANNUAL TEMP. MEAN <b>62.2°</b> RANGE <b>48.8°-75.6°</b>									
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 78		8	42				2/						
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET			36. WATER INFLOW TO DATE, AC.-FT.						
	Sep 78		18.48		No record of inflow.									
	26. DATE OF SURVEY		37. 3/ PERIOD CAPACITY LOSS, ACRE-FEET			38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET								
	Sep 78		4.77			0.60			0.98			99.37		
			a. PERIOD TOTAL			b. AV. ANNUAL			c. PER SQ. MI.-YEAR			a. TOTAL TO DATE		
			b. AV. ANNUAL			c. PER SQ. MI.-YEAR			b. AV. ANNUAL			c. PER SQ. MI.-YEAR		
	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 79

RESERVOIR SEDIMENT  
DATA SUMMARY

Dunsmuir Debris Basin  
NAME OF RESERVOIR

70-40d  
DATA SHEET NO.

DAM	1. OWNER <u>LACFCD</u>			2. STREAM <u>Dunsmuir Canyon</u>			3. STATE <u>California</u>					
	4. SEC. <u>21</u> TWP. <u>2N</u> RANGE <u>13W</u>			5. NEAREST P.O. <u>Tujunga</u>			6. COUNTY <u>Los Angeles</u>					
	7. LAT. <u>34° 14' 52"</u> LONG. <u>118° 15' 08"</u>			8. TOP OF DAM ELEVATION <u>2272.2</u>			9. SPILLWAY CREST ELEV. <u>2257.2</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										16. DATE NORMAL OPER. BEGAN  <u>Oct 1936</u>	
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY											
	e. IRRIGATION											
	f. CONSERVATION											
	g. INACTIVE											
17. LENGTH OF RESERVOIR <u>0.09</u> MILES					AV. WIDTH OF RESERVOIR <u>0.3</u> MILES							
WATERSHED	18. TOTAL DRAINAGE AREA <u>0.84</u> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <u>27.9</u> INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA <u>0.84</u> SQ. MI.				23. MEAN ANNUAL RUNOFF _____ INCHES							
	20. LENGTH <u>1.81</u> MILES		AV. WIDTH <u>.46</u> MILES		24. MEAN ANNUAL RUNOFF _____ AC.-FT.							
	21. MAX. ELEV. <u>5,060</u>			MIN. ELEV. <u>2257.2</u>		25. ANNUAL TEMP. MEAN <u>62.2°</u> RANGE <u>48.8° - 75.6°</u>						
	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	
Sep 54		2	19									
Sep 59		5	24									
Sep 70		11	35									
Sep 75		5	40									
Sep 76		1	41									
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 54		20.50		No record of inflow.							
	Sep 59		23.91									
	Sep 70		25.59									
	Sep 75		24.55									
	Sep 76		19.58									
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 54		0.59	0.30	0.36	93.1		4.90		5.83			
Sep 59		13.3	2.66	3.17	106.4		4.43		5.28			
Sep 70		14.6	1.33	1.58	121.0		3.46		4.12			
Sep 75		2.17	.43	.51	123.17		3.08		3.67			
Sep 76		.43	.43	.51	123.60		3.01		3.59			
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.
			VI				

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.

RESERVOIR SEDIMENT  
DATA SUMMARY

DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS

DUNSMUIR DEBRIS BASIN  
NAME OF RESERVOIR

70-40d

DATA SHEET NO.

DAM	1. OWNER <b>LACFCD</b>			2. STREAM <b>Dunsmuir Canyon</b>			3. STATE <b>California</b>							
	4. SEC. <b>21</b> TWP. <b>2N</b> RANGE <b>13W</b>			5. NEAREST P.O. <b>Tujunga</b>			6. COUNTY <b>Los Angeles</b>							
	7. LAT <b>34° 14' 52"</b> LONG. <b>118° 15' 08"</b>			8. TOP OF DAM ELEVATION <b>2272.2</b>			9. SPILLWAY CREST ELEV. <b>2257.2</b>							
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										Oct 36			
	f. CONSERVATION													
	g. INACTIVE													
WATERSHED	17. LENGTH OF RESERVOIR <b>0.09</b> MILES				AV. WIDTH OF RESERVOIR <b>0.3</b> MILES									
	18. TOTAL DRAINAGE AREA <b>0.84</b> SQ. MI.				22. MEAN ANNUAL PRECIPITATION <b>27.9</b> INCHES									
	19. NET SEDIMENT CONTRIBUTING AREA <b>0.84</b> SQ. MI.				23. MEAN ANNUAL RUNOFF INCHES									
	20. LENGTH <b>1.81</b> MILES		AV. WIDTH <b>0.46</b> MILES		24. MEAN ANNUAL RUNOFF AC.-FT.									
	21. MAX. ELEV. <b>5060</b>		MIN. ELEV. <b>2257.2</b>		25. ANNUAL TEMP. MEAN <b>62.2°</b> RANGE <b>48.8°-75.6°</b>									
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 78		2	43							2/			
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET				36. WATER INFL. TO DATE, AC.-FT.					
	Sep 78		27.28		No record of inflow.									
	26. DATE OF SURVEY		37. 3/ PERIOD CAPACITY LOSS, ACRE-FEET		38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET									
	Sep 78		7.62		3.81		4.54		131.22		3.05		3.63	
	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  
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