

RESERVOIR SEDIMENTATION
DATA SUMMARY

FIG DALTON

70-26

NAME OF RESERVOIR

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. RIVER Big Dalton Creek			3. STATE Calif.			
	4. SEC. TWP. 1 N RANGE 9 W			5. NEAREST TOWN Glendora.			6. COUNTY Los Angeles			
	7. STREAM BED ELEV. 1565			8. TOP OF DAM ELEV. 1711			9. SPILLWAY CREST ELEV. 1706			
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 1/	1706	24.0	1194	1194	Feb. 1927				
	b. POWER									
	c. WATER SUPPLY									
	d. IRRIGATION					16. DATE NORMAL OPER. BEGAN				
	e. CONSERVATION					Aug. 1929				
f. INACTIVE										
WATERSHED	17. LENGTH OF RESERVOIR 0.78 2/ MILES			AV. WIDTH OF RESERVOIR 0.047 2/ MILES						
	18. TOTAL DRAINAGE AREA 4.5 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 29.11 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 4.5 SQ. MI.			23. MEAN ANNUAL RUNOFF 3.55 INCHES						
	20. LENGTH 3.2 MILES			AV. WIDTH 1.4+ MILES			24. MEAN ANNUAL RUNOFF 852 (20) AC.-FT.			
	21. MAX. ELEV. 3636			MIN. ELEV 1565			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.		
	Jan. 1930					24.0	1194	265		
	Sept. 1931	1.7	1.7		2* - 50*	24.0	1039	231		
	Jan. 1935	3.3	5.0		-	24.9	1053	234		
	Mar. 1938	3.1	8.1		-	24.5	969	215		
	Sept. 1943	5.5	13.6		5*	24.7	953	212		
	Oct. 1944	1.0	14.6		5*	24.7	952	212		
	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			
	Jan. 1930									
Sept. 1931	23.0	46	52	90	53	90				
Jan. 1935	28.7	450	690	124.0	266	1330				
Mar. 1938	38.3	1530	3270	542.0	833	6750				
Sept. 1943	28.7	1650	3270	711.0	104.0	13,860				
Oct. 1944	31.6	1090	1090	1090	1050	14,950				
26. DATE OF SURVEY	37. PERIOD SEDIMENT DEPOSITS ACRE-FEET			38. TOTAL SED. DEPOSITS TO DATE ACRE-FEET 3/						
	a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YR.	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YR.				
Jan. 1930										
Sept. 1931	155	91.18	20.26	155	91.2	20.3				
Jan. 1935	Sluicing increased storage capacity									
Mar. 1938	84	27.10	6.02	239	29.5	6.56				
Sept. 1943	16	2.91	0.65	255	18.8	4.17				
Oct. 1944	1	1.00	0.22	256	17.6	3.90				
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			
Sept. 1931				3/	4/					
Jan. 1935				7.64	13.0					
Mar. 1938				2.60	11.8					
Sept. 1943				2.47	18.8					
Oct. 1944				1.57	20.2					
				1.47	20.3					

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION														
	1-1	1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9	1-10	1-11	1-12	1-13	1-14	
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
Sept. 1931	1	1		15	24	35	26								
March 1938		13		15	15	24	24								
Sept. 1943			9	34	44										
Oct. 1944			22		100										
45. RANGE IN RESERVOIR OPERATION															
WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.	WATER YEAR	MAX. ELEV.	MIN. ELEV.	INFLOW AC.-FT.								
1930-32	N.R.	N.R.	783	1939-40	1659.2	1612.4	232								
1932-33	1628.6	1575.0	79	1940-41	1706.1	1612.4	2767								
1933-34	1663.1	Dry	448	1941-42	1650.5	1595.0	209								
1934-35	1682.2	1591.0	593	1942-43	1696.2	1593.0	3143								
1935-36	1666.4	1600.5	360	1943-44	1689.0	1620.3	1087								
1936-37	1704.0	1603.0	1879												
1937-38	1704.6	1603.6	3271												
1938-39	1663.3	1612.4	280												
46. ELEVATION-AREA-CAPACITY DATA															
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY							
1596	0	0	1680	15.7	453										
1600	.1	.2	1690	18.3	621										
1610	.6	2.4	1700	21.5	818										
1620	1.5	12.1	1710	24.5	1046										
1630	2.9	32.9													
1640	4.7	69.9													
1650	7.0	126													
1660	9.4	206													
1670	12.5	314													
47. REMARKS AND REFERENCES															
1/ After flood season, reservoir is used for conservation.															
2/ In October 1944.															
3/ Based on summation of deposits listed in Item 37a. Deposition, if any, in years of sluicing is not included in the summation.															
4/ Based on data in Item 32. Storage is regained by sluicing.															
N.R. - No record															
48. AGENCY SUPPLYING DATA						LACPCD & Co. of E.									
49. DATE						12 March 1951									

RESERVOIR SEDIMENTATION
DATA SUMMARY

BIG DALTON FLOOD CONTROL BASIN

70-26a

NAME OF RESERVOIR (sheet 1 of 2) DATA SHEET NO.

DAM	1. OWNER LAGFCD			2. RIVER Big Dalton Creek			3. STATE California			
	4. SEC. TWP. RANGE			5. NEAREST TOWN Glendora			6. COUNTY Los Angeles			
	7. STREAM BED ELEV. 1565			8. TOP OF DAM ELEV. 1711			9. SPILLWAY CREST ELEV. 1706			
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	1706	23.3	1194	1194 1/	Feb 1927				
	b. POWER									
	c. WATER SUPPLY									
	d. IRRIGATION					16. DATE NORMAL OPER. BEGAN				
	e. CONSERVATION					Aug 1929				
f. INACTIVE										
WATERSHED	17. LENGTH OF RESERVOIR 0.78 MILES			AV. WIDTH OF RESERVOIR 0.047 MILES						
	18. TOTAL DRAINAGE AREA 4.5 SQ. MI.			22. MEAN ANNUAL PRECIPITATION 29.11 INCHES						
	19. NET SEDIMENT CONTRIBUTING AREA 4.5 SQ. MI.			23. MEAN ANNUAL RUNOFF 2.90 INCHES						
	20. LENGTH 3.2 MILES AV. WIDTH 1.4+ MILES			24. MEAN ANNUAL RUNOFF 696 (34) AC.-FT.						
	21. MAX. ELEV. 3636 MIN. ELEV. 1706			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.		
	Jan 1930					24.0	1194	265		
	Sep 1931	1.7	1.7		2' - 50'	24.0	1039	231		
	Jan 1935	3.3	5.0		-	24.9	1053	234		
	Mar 1938	3.1	8.1		-	24.5	969	215		
	Sep 1943	5.5	13.6		5'	24.7	953	212		
	Oct 1944	1.0	14.6		5'	24.7	952	212		
	Oct 1958	14.0	28.6	Contour	5'	23.4	951	211		
	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			
Jan 1930			53		90	53	90			
Sep 1931	23.0		376	690	1240	266	1330			
Jan 1935	28.7		1750	3270	5420	833	6750			
Mar 1938	38.3		1290	3270	7110	1020	13860			
Sep 1943	28.7		1090	1090	1090	1020	14950			
Oct 1944	31.6		473	2104	6620	754	21570			
Oct 1958	19.44									
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.				
Jan 1930										
Sep 1931	155	91.18	20.26	155	91.2	20.3				
Jan 1935	Sluicing	increased storage capacity			155	31.0	6.89			
Mar 1938	84	27.10	6.02	239	29.5	6.56				
Sep 1943	16	2.91	0.65	255	18.8	4.17				
Oct 1944	1	1.00	0.22	256	17.6	3.90				
Oct 1958	1	.07	.02	257	9.0	2.00				
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			
Sep 1931				7.64	13.0					
Jan 1935				2.60	11.8					
Mar 1938				2.47	18.9					
Sep 1943				1.57	20.2					
Oct 1944				1.47	20.3					
Oct 1958				.75	20.4					

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION										
	131-	120-	100-	80-	60-	40-	Crest				
	120	100	80	60	40	20	20				
PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION											
Sep 1931	1	1		15	24	35	26				
Mar 1938		13	9	15	15	24	24				
Sep 1943			22	34	44						
Oct 1944					100						
Oct 1958	Negligible										

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 yr	Max. Elev.	Min. Elev.	Inf. Ac-Ft	Water yr	Max. Elev.	Min. Elev.	Inf. Ac-Ft		
1930-32	NR	NR	783 total	1947-48	1639.2	1620.8	58		
1932-33	1628.6	1575.0	79	1948-49	1648.9	1624.4	94		
1933-34	1663.1	Dry	448	1949-50	1644.1	1612.5	142		
1934-35	1682.2	1591.0	593	1950-51	1630.5	1624.0	27		
1935-36	1666.4	1600.5	360	1951-52	1690.0	1625.6	1626		
1936-37	1704.0	1603.0	1879	1952-53	1640.3	1600.0	120		
1937-38	1704.6	1603.6	3271	1953-54	1669.6	1627.0	346		

45. RANGE IN RESERVOIR OPERATION							
Water yr	Max. Elev.	Min. Elev.	Inf. Ac-Ft	Water yr	Max. Elev.	Min. Elev.	Inf. Ac-Ft
1938-39	1663.3	1612.4	280	1954-55	1644.5	1627.3	87
1939-40	1659.2	1612.4	232	1955-56	1656.5	1625.0	190
1940-41	1706.1	1612.4	2767	1956-57	1642.5	1625.1	76
1941-42	1650.5	1595.0	209	1957-58	1705.8	1626.4	2104
1942-43	1696.2	1593.0	3143				
1943-44	1689.0	1620.3	1087				
1944-45	1694.5	1621.8	734				
1945-46	1685.8	1624.7	525				
1946-47	1673.4	1621.1	492				

46. ELEVATION-AREA-CAPACITY DATA (Oct. 1958)								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
1596	0	0	1680	15.6	448.9			
1600	.1	.1	1690	18.4	617.8			
1610	.5	2	1700	21.6	816.6			
1620	1.4	10.5	1710	24.4	1045.9			
1630	2.6	29.2						
1640	4.5	62.6						
1650	6.8	117.5						
1660	9.6	199.0						
1670	12.7	309.1						

47. REMARKS AND REFERENCES
 1/ Item 14 - After flood season, reservoir is used for conservation.
 2/ Based upon values in item 32.
 NOTE: NR - No record.

48. AGENCY SUPPLYING DATA LACFCD & C. of E
 49. DATE 6 Jan 1960

RESERVOIR SEDIMENTATION
DATA SUMMARY

Big Dalton Flood Control Basin

70-26 b.

NAME OF RESERVOIR (sheet 2 of 2) DATA SHEET NO.

DAM	1. OWNER LACFCD			2. RIVER Big Dalton Creek		3. STATE California										
	4. SEC. TWP.		RANGE		5. NEAREST TOWN Glendora		6. COUNTY Los Angeles									
	7. STREAM BED ELEV. 1,565			8. TOP OF DAM ELEV. 1,711		9. SPILLWAY CREST ELEV. 1,706										
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		1,706		23.3		1,194		*1,194		Feb 1927					
	b. POWER															
	c. WATER SUPPLY															
	d. IRRIGATION										16. DATE NORMAL OPER. BEGAN					
	e. CONSERVATION										Aug 1929					
WATERSHED	17. LENGTH OF RESERVOIR 0.78 MILES				AV. WIDTH OF RESERVOIR 0.047 MILES											
	18. TOTAL DRAINAGE AREA 4.5 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 29.11 INCHES											
	19. NET SEDIMENT CONTRIBUTING AREA 4.5 SQ. MI.				23. MEAN ANNUAL RUNOFF 2.71 INCHES											
	20. LENGTH 3.2 MILES		AV. WIDTH 1.4+ MILES		24. MEAN ANNUAL RUNOFF 650 (37) AC.-FT.											
	21. MAX. ELEV. 3,636		MIN. ELEV. 1,706		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.	
	Nov 61		3.1		31.7		Contour		5'		23.2		880		196	
	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			
	Nov 61		13.84		147		187		456		695		22,030			
	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.			
	Nov 61		71 ^{2/}		22.9		5.09		328		10.35		2.30			
	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	
Nov 61								.87		3/ 26.3						

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION												
	120	100	80	80-60	60-40	40-20	Crest	-20					
Nov 61	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION												
		1	28	53	14	3	1						

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.
1958-59	1,654.8	1,630.5	2,104				
1959-60	1,647.2	1,640.3	54				
1960-61	1,646.0	1,613+	197				

46. ELEVATION-AREA-CAPACITY DATA (Nov 1961)								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
1,633	0	0	1,710	24.3	975.6			
1,640	3.0	12.4						
1,650	5.8	55.0						
1,660	9.4	131.5						
1,670	12.5	240.7						
1,680	15.4	379.8						
1,690	18.2	547.7						
1,700	21.5	746.3						

47. REMARKS AND REFERENCES

1/ Item 14 - After flood season reservoir is used for conservation.

2/ Item 37a - 21 ac.-ft. of sedimentation occurred during period September-November 1961.

3/ Based upon values in Item 32

48. AGENCY SUPPLYING DATA LACFCD & C of E

49. DATE 16 Jan 62

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

BIG DALTON FLOOD CONTROL BASIN

NAME OF RESERVOIR

70-26 c

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM Big Dalton Creek			3. STATE California					
	4. SEC. 15 TWP. 1N RANGE 9W			5. NEAREST P.O. Glendora			6. COUNTY Los Angeles					
	7. LAT 34° 10' 10" LONG 117° 48' 37"			8. TOP OF DAM ELEVATION 1,711			9. SPILLWAY CREST ELEV. 1,706					
RESERVOIR	10. STORAGE ALLOCATION		11. ELEVATION TOP OF POOL		12. ORIGINAL SURFACE AREA, ACRES		13. ORIGINAL CAPACITY, ACRE-Feet		14. GROSS STORAGE, 1/ ACRE-Feet		15. DATE STORAGE BEGAN	
	a. FLOOD CONTROL		1,706		23.3		1,194		1,194		Feb 27	
	b. MULTIPLE USE											
	c. POWER											
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN	
	e. IRRIGATION											
	f. CONSERVATION											
g. INACTIVE										Aug 29		
17. LENGTH OF RESERVOIR 0.78 MILES				AV. WIDTH OF RESERVOIR 0.047 MILES								
WATERSHED	18. TOTAL DRAINAGE AREA 4.5 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 29.11 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 4.5 SQ. MI.				23. MEAN ANNUAL RUNOFF 2.75 INCHES							
	20. LENGTH 3.2 MILES		AV. WIDTH 1.4 MILES		24. MEAN ANNUAL RUNOFF 660 (41) AC.-FT.							
	21. MAX. ELEV. 3,636		MIN. ELEV. 1,565		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, ACRE-Feet	33. C/I. RATIO, AC.-FT. PER AC.-FT.			
Nov 61		3.1	31.7	Contour	5'	23.2	880	1.25				
Jan 62		.2	31.9	Contour	5'	23.0	869	1.24				
Aug 66		4.7	36.6	Contour	5'	22.6	752	1.14				
Apr 67		.7	37.3	Contour	5'	22.0	692	1.05				
Jan 69		1.75	39.4	Contour	5'	19.3	515	.78				
Mar 69		.17	39.59	Contour	5'	18.5	452	.68				
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			
	Nov 61		13.84		147	187	456	695	22,030			
	Jan 62		--		--	--	273	699	22,300			
	Aug 66		22.52		853	2,202	4,010	719	26,310			
	Apr 67		--		--	--	3,750	806	30,060			
	Jan 69		34.98		4,017	1,336	7,030	941	37,090			
	Mar 69		--		--	--	6,930	859	34,020			
	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				
Nov 61		71	22.9	5.09	328	10.35	2.30					
Jan 62		119	--	--	447	14.01	3.11					
Aug 66		117	24.9	5.53	564	15.4	3.42					
Apr 67		60	--	--	624	16.7	3.71					
Jan 69		177	1.01	.225	801	20.3	4.51					
Mar 69		63	--	--	864	21.8	4.84					
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				
Nov 61					.87	27.5						
Jan 62					.85	27.2						
Aug 66					1.01	37.0						
Apr 67					1.13	42.0						
Jan 69					1.44	56.9						
Mar 69					1.57	62.1						

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION										
	130	120	100	80	60-60	60-40	40-20	20-Crest			
	120	100	80	80-60	60-40	40-20	20-Crest				
PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION											
Nov 61		1	28	53	14	3	1				
Jan 62			3	15	25	28	29				
Aug 66				16	26	40	18				
Apr 67				12	13	37	38				
Jan 69					41	29	30				
Mar 69					14	14	72				

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.
1957-58	1,705.8	1,626.4	2,104				
1958-59	1,654.8	1,630.5	160				
1959-60	1,647.2	1,640.3	54				
1960-61	1,646.0	1,613±	187				
1961-62	1,694.3	1,645.5	273				
1962-63	1,674.1	1,661.1	248				
1963-64	1,677.6	1,655.1	165				
1964-65	1,677.1	1,656.5	380				
1965-66	1,691.6	1,667.7	2,210				
1966-67	1,705.9	1,666.0	4,787				
1967-68	1,686.7	1,667.5	756				

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
1650	0	0						
1660	3.6	6.2						
1670	6.7	63.8						
1680	8.2	139.						
1690	9.6	229.						
1700	15.0	350.						
1710	19.4	528						
1715	22.7	634						

47. REMARKS AND REFERENCES

1/ Item 14 - After flood season, reservoir is used for conservation.

2/ Item 25 - Temperature taken at Pasadena, California.

3/ Items 37 & 41 - Sediment removed at various times.

4/ Item 37a - 21 acre-feet of sedimentation occurred during period Oct & Nov 61.

48. AGENCY MAKING SURVEY LACFCD

49. AGENCY SUPPLYING DATA C of E

50. DATE 4 Feb 70