

RESERVOIR SEDIMENT

San Dimas Flood Control Basin

DATA SUMMARY

NAME OF RESERVOIR

70-23a

DATA SHEET NO.

SCS-34 Rev. 6-66

DAM	1. OWNER LACFCD			2. STREAM San Dimas Wash			3. STATE California					
	4. SEC. TWP. RANGE			5. NEAREST P.O. San Dimas			6. COUNTY Los Angeles					
	7. Stream Bed Elev. 1,353			8. TOP OF DAM ELEVATION 1,470			9. SPILLWAY CREST ELEV. 1,462					
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		1,462		36.6		1,496		1,496		1921-22	
	b. MULTIPLE USE											
	c. POWER										16. DATE NORMAL OPER. BEGAN	
	d. WATER SUPPLY) After flood season water may be									
	e. IRRIGATION) stored to spillway elevation									
	f. CONSERVATION										Sep 1922	
	g. INACTIVE											
17. LENGTH OF RESERVOIR 0.81 MILES					AV. WIDTH OF RESERVOIR 0.071 MILES							
WATERSHED	18. TOTAL DRAINAGE AREA 16.2 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 29.02 INCHES							
	19. NET SEDIMENT CONTRIBUTING AREA 16.1 SQ. MI.				23. MEAN ANNUAL RUNOFF 3.33 INCHES							
	20. LENGTH 5.8 MILES		AV. WIDTH 2.8 MILES		24. MEAN ANNUAL RUNOFF 2,880 (29) AC.-F.T.							
	21. MAX. ELEV. 5,588		MIN. ELEV. 1,462		25. Climatic Classification - Subhumid							
	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.			
Sept. 22				Contour	2'	38'	1,496	92				
Dec. 35	13.2	13.2	"	"	5'	38'	1,373	85				
Oct. 38	2.9	16.1	"	"	5'	36'	1,155	71				
Nov. 39	1.0	17.1	"	"	5'	36'	1,189	74				
Dec. 41	2.1	19.2	"	"	5'	37'	1,145	71				
Oct. 43	1.9	21.1	"	"	5'	37'	1,071	66				
Nov. 44	1.0	22.1	"	"	5'	37'	1,042	64				
Oct. 54	9.8	31.9	"	"	5'	37'	1,025	63				
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				
Dec. 35		24.4		ND	ND	ND	ND	ND				
Oct. 38		38.3		6,900	12,500	20,020	6,900	20,020				
Nov. 39		26.1		2,160	2,160	2,190	5,690	22,210				
Dec. 41		36.0		5,560	9,640	11,680	5,080	33,890				
Oct. 43		27.7		5,970	9,270	10,340	5,600	44,230				
Nov. 44		29.7		5,350	5,350	5,350	5,570	49,580				
Oct. 54		22.16		1,830	4,864	17,960	3,610	67,540				
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					
Dec. 35		123	9.3	.58	123	9.3	.58					
Oct. 38		218	75.2	4.67	341	21.2	1.32					
Nov. 39		Sluicing increased storage capacity										
Dec. 41		44	21.0	1.30	385	20.0	1.24					
Oct. 43		74	38.9	2.42	459	21.8	1.35					
Nov. 44		29	29.0	1.80	488	22.1	1.37					
Oct. 54		17	1.7	.11	505	15.8	.98					
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					
Dec. 35				.62	8.2							
Oct. 38				1.42	22.8							
Nov. 39												
Dec. 41				1.34	23.5							
Oct. 43				1.46	28.4							
Nov. 44				1.48	30.4							
Oct. 54				1.06	31.5							

SURVEY DATA

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION									
	87-80	80-70	70-60	60-50	50-40	40-30	30-20	20-10	10-Crest	
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION									
1919										
Dec. 35	12	15	12	12	11	13	12	7	6	
Oct. 38	1	6	5	7	12	22	27	13	7	
Nov. 39	Sluicing increased storage capacity									
Dec. 41	0	2	9	18	23	48				
Oct. 43	0	0	0	4	21	24	35	11	5	
Nov. 44	0	9	39	42	10					
Oct. 54	0	24	1	4	21	24	26			

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.
1922-29	NR	NR	NR	1941-42	1,445.7	1,419.0	1,603
1929-30	NR	NR	491	1942-43	1,462.2	1,404.2	9,271
1930-31	NR	NR	485	1943-44	1,462.0	1,407.6	5,348
1931-32	NR	NR	2,502	1944-45	1,462.0	1,401.5	3,747
1932-33	1,415.0	1,383.0	652	1945-46	1,456.3	1,410.1	2,560
1933-34	1,428.5	1,387.7	1,351	1946-47	1,439.4	1,395.6	2,705
1934-35	1,453.3	1,389.8	1,753	1947-48	1,447.9	1,398.2	720
1935-36	1,440.8	1,393.5	1,094	1948-49	1,444.4	1,402.2	728
1936-37	1,460.1	1,392.3	6,316	1949-50	1,444.5	1,405.4	734
1937-38	1,470.4	Dry	12,492	1950-51	1,420.8	1,405.0	300
1938-39	1,442.3	1,380.8	2,165	1951-52	1,461.7	1,406.3	4,864
1939-40	1,449.5	1,395.7	1,532	1952-53	1,443.9	1,405.6	822
1940-41	1,461.5	1,392.3	9,645	1953-54	1,448.8	1,405.5	1,514

46. ELEVATION-AREA-CAPACITY DATA								
Oct. 1954								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
1,382	0	0	1,415	6.2	92.3	1,450	30.0	624.3
1,385	0	0	1,420	8.0	126.3	1,455	33.1	780.7
1,390	0	0	1,425	10.1	170.6	1,460	36.2	952.4
1,395	2.9	7.37	1,430	11.7	224.4	1,465	39.1	1,139.0
1,400	3.5	22.7	1,435	14.2	287.3	1,470	42.2	1,340.4
1,405	4.2	41.8	1,440	20.5	369.8			
1,410	5.2	64.6	1,445	26.3	484.8			

47. REMARKS AND REFERENCES

1/ Item 32 - Storage is regained by sluicing or excavation operations.

2/ Based upon values in Item 32.

48. AGENCY MAKING SURVEY LACFCD & C of E

49. AGENCY SUPPLYING DATA

50. DATE 6 Jan 60

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

SAN DIMAS FLOOD CONTROL BASIN

NAME OF RESERVOIR

70-23b

DATA SHEET NO.

DAM	1. OWNER LACFGD			2. STREAM San Dimas Wash			3. STATE California									
	4. SEC. 24 TWP. 1N RANGE 9W			5. NEAREST P.O. San Dimas			6. COUNTY Los Angeles									
	7. LAT 34° 09' 20" LONG 117° 46' 17"			8. TOP OF DAM ELEVATION 1,470			9. SPILLWAY CREST ELEV. 1,462									
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		1,462		36.6		1,496		1,496		1921-22					
	b. MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	e. IRRIGATION										Sep 22					
	f. CONSERVATION															
	g. INACTIVE															
17. LENGTH OF RESERVOIR 0.81 MILES				AV. WIDTH OF RESERVOIR 0.071 MILES												
18. TOTAL DRAINAGE AREA 16.2 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 29.02 INCHES												
19. NET SEDIMENT CONTRIBUTING AREA 16.1 SQ. MI.				23. MEAN ANNUAL RUNOFF 3.05 INCHES												
20. LENGTH 5.8 MILES		AV. WIDTH 2.8 MILES		24. MEAN ANNUAL RUNOFF 2,619 (42) AC.-FT.												
21. MAX. ELEV. 5,588		MIN. ELEV. 1,462		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.	
	Nov 61		7.1		39.0		Contour		5'		34.8		705		.25	
	Apr 62		.4		39.4		Contour		5'		34.8		729		.28	
	Aug 66		4.3		43.7		Contour		5'		35.6		1,234		.49	
	Apr 67		.7		44.4		Contour		5'		35.4		1,129		.25	
	Jan 69		1.75		46.34		Contour		5'		33.2		847		.32	
	Feb 69		.08		46.42		Contour		5'		30.1		756		.29	
	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		21.08		1,510		6,786	10,723		2,010		78,260				
Apr 62		--		--		--	5,442		2,124		83,702					
Aug 66		19.90		2,211		6,386	9,508		2,133		93,210					
Apr 67		--		--		--	8,713		2,296		101,923					
Jan 69		36.39		8,638		3,145	15,117		2,526		117,040					
Feb 69		--		--		--	8,772		2,710		125,812					
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		320		45.1	2.80		825		21.2		1.32					
Apr 62		54		--	--		879		22.3		1.38					
Aug 66		1,111		258	16.0		1,990		45.5		2.83					
Apr 67		105		--	--		2,095		47.2		2.93					
Jan 69		282		161	10.0		2,377		51.3		3.19					
Feb 69		91		--	--		2,468		53.2		3.30					
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				
Nov 61							1.36		52.9							
Apr 62							1.30		51.3							
Aug 66							.40		17.5							
Apr 67							.55		24.5							
Jan 69							.94		43.4							
Feb 69							1.07		49.5							

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION											
	87-80	80-70	70-60	60-50	50-40	40-30	30-20	20-10	10-Crest			
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION											
Nov 61			9	14	21	16	13	20	7			
Apr 62			Storage capacity increased by sluicing.									
Aug 66			Storage capacity increased by sluicing.									
Apr 67		10	9	7	11	21	22	13	7			
Jan 69			12	18	14	17	20	12	7			
Feb 69				1	-2		54	7	40			

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.
1953-54	1448.8	1405.5	1,514	1965-66	1446.5	1376.3	6,386
1954-55	1442.2	1408.7	561	1966-67	1461.8	1386.2	12,352
1955-56	1444.3	1407.6	736	1967-68	1452.0	1416.0	3,145
1956-57	1434.5	1404.8	452				
1957-58	1461.2	1413.4	6,786				
1958-59	1442.3	1407.0	931				
1959-60	1437.5	1394.0	408				
1960-61	1443.2	1396.7	468				
1961-62	--	--	454				
1962-63	1450.9	1435.1	1,021				
1963-64	1455.2	1430.0	680				
1964-65	1439.0	1399.4	1,118				

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
1405	0	0	1450	22.2	440			
1410	4.1	10.5	1455	25.2	561			
1415	6.2	38.8	1460	28.6	697			
1420	7.0	72.3	1465	32.8	852			
1425	7.9	110	1470	36.4	1,027			
1430	8.9	153	1475	39.5	1,218			
1435	10.6	202						
1440	13.1	262						
1445	17.2	340						

47. REMARKS AND REFERENCES

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

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

3/ Item 37a - 381 acre-feet of water inflow produced 196 acre-feet of sediment during November 1961 due to burned over drainage area. Sediment removed at various times.

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

San Dimas Flood Control Basin
NAME OF RESERVOIR

70-23b

DATA SHEET NO.

DAM	1. OWNER LACFCD			2. STREAM San Dimas Wash			3. STATE Calif									
	4. SEC. 24 TWP. 1N RANGE 9W			5. NEAREST P O San Dimas			6. COUNTY Los Angeles									
	7. LAT. 34° 09' 20" LONG 117° 46' 17"			8. TOP OF DAM ELEVATION 1470			9. SPILLWAY CREST ELEV. 1462									
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		1,462		36.6		1496		1496		1921-00					
	b. MULTIPLE USE															
	c. POWER															
	d. WATER SUPPLY										16. DATE NORMAL OPER. BEGAN					
	e. IRRIGATION										Sep 22					
	f. CONSERVATION															
	g. INACTIVE															
17. LENGTH OF RESERVOIR 01 0.81 MILES			AV. WIDTH OF RESERVOIR 0.071 MILES													
WATERSHED	18. TOTAL DRAINAGE AREA 16.2 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 29.02 INCHES											
	19. NET SEDIMENT-CONTRIBUTING AREA 16.1 SQ. MI.				23. MEAN ANNUAL RUNOFF 3.77 INCHES											
	20. LENGTH 5.8 MILES		AV. WIDTH 2.8 MILES		24. MEAN ANNUAL RUNOFF 3235 (44) AC.-FT.											
21. MAX. ELEV. 5588		MIN. ELEV. 1462		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.	
	Nov 70		1.75		48.17		Contour		5'		38.8		1515.0		0.47	
	26. DATE OF SURVEY		34. PERIOD ANNUAL PRECIPITATION		35. PERIOD WATER INFLOW, ACRE-FEET				36. WATER INFL. TO DATE, AC.-FT.							
	Nov 70		14.54		a. MEAN ANNUAL 8.891		b. MAX. ANNUAL 28,446		c. PERIOD TOTAL 15,560		a. MEAN ANNUAL 2,935		b. TOTAL TO DATE 141,372			
	26. DATE OF SURVEY		37. 3/ PERIOD CAPACITY LOSS, ACRE-FEET						38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET							
	Nov 70		a. PERIOD TOTAL 32		b. AV. ANNUAL 18		c. PER SQ. MI.-YEAR 1.12		a. TOTAL TO DATE 2,500		b. AV. ANNUAL 51.9		c. PER SQ. MI.-YEAR 3.22			
	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							
	Nov 70				a. PERIOD		b. TOTAL TO DATE		a. AV. ANN. -.03		b. TOT. TO DATE 1.27					

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION									
	87-80	80-70	70-60	60-50	50-40	40-30	30-20	20-10	10-Crest	
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION									
Nov 70	Storage capacity increased by excavation of 791 Ac-Ft.									

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.
1953-54	1448.8	1405.5	1,514	1965-66	1446.5	1376.3	6,386
1954-55	1442.2	1408.7	561	1966-67	1461.8	1386.2	12,352
1955-56	1444.3	1407.6	736	1967-68	1452.0	1416.0	3,145
1956-57	1434.5	1404.8	452	1968-69	1470.2	1425.6	28,446
1957-58	1461.2	1413.4	6,786	1969-70	1457.1	1405.0	3,901
1958-59	1442.3	1407.0	931				
1959-60	1437.5	1394.0	408				
1960-61	1443.2	1396.7	468				
1961-62	--	--	454				
1962-63	1450.9	1435.1	1,021				
1963-64	1455.2	1430.0	680				
1964-65	1439.0	1399.4	1,118				

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
1376	0	0	1410	13.7	160.	1445	29.2	940.0
1380	.35	.80	1415	16.9	239	1450	31.2	1092
1385	.90	4.2	1420	19.1	330	1455	34.4	1257
1390	2.8	13.4	1425	21.4	432	1460	37.4	1438
1395	4.4	32.9	1430	23.2	545	1465	40.3	1634
1400	6.3	59.5	1435	25.2	666	1470	42.6	1842
1405	9.4	101.0	1440	27.2	798	1475	45.1	2062

47. REMARKS AND REFERENCES

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

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

3/ Item 37a - 381 acre-feet of water inflow produced 196 acre-feet of sediment during November 1961 due to burned over drainage area. Sediment removed at various times.

48. AGENCY MAKING SURVEY LACFCD

49. AGENCY SUPPLYING DATA C of E

50. DATE 11 Feb 71

RESERVOIR SEDIMENT
DATA SUMMARY

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS

SAN DIMAS FLOOD CONTROL BASIN
NAME OF RESERVOIR

70-236

DATA SHEET NO.

DAM	1. OWNER IACFGD			2. STREAM SAN DIMAS WASH			3. STATE CALIFORNIA			
	4. SEC. 24 TWP. 1N RANGE 9W			5. NEAREST P.O. San Dimas			6. COUNTY Los Angeles			
	7. LAT 34° 09' 20" LONG 117° 46' 17"			8. TOP OF DAM ELEVATION 1470			9. SPILLWAY CREST ELEV. 1462			
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		1462		36.6		1496		1496	1921-22
	b. MULTIPLE USE									
	c. POWER									
	d. WATER SUPPLY									16. DATE NORMAL OPER. BEGAN
	e. IRRIGATION									
	f. CONSERVATION									Sep 22
WATERSHED	17. LENGTH OF RESERVOIR 0.81 MILES				AV. WIDTH OF RESERVOIR 0.071 MILES					
	18. TOTAL DRAINAGE AREA 16.2 SQ. MI.				22. MEAN ANNUAL PRECIPITATION 29.02 INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA 16.1 SQ. MI.				23. MEAN ANNUAL RUNOFF 3.77 INCHES					
	20. LENGTH 5.8 MILES		AV. WIDTH 2.8 MILES		24. MEAN ANNUAL RUNOFF 3235 (44) AC.-FT.					
	21. MAX. ELEV. 5588		MIN. ELEV. 1462		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.		
	Nov 70	1.75	48.17	Contour	5'	38.8	1515.0	0.47		
	Jul 77	6.67	54.84	"	5'	39.0	1455.0	0.45		
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 70	14.54	8,891	28,446	15,560	2,935	141,372				
Jul 77	21.61	1,941	4,252	12,944	2,814	154,316				
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				
Nov 70	32	18	1.12	2,500	51.9	3.22				
Jul 77	60	9	.56	2,560	46.7	2.90				
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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE			
Nov 70				.03	1.27					
Jul 77				.05	2.74					

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION									
	90-80	80-70	70-60	60-50	50-40	40-30	30-20	20-10	10-Crest	
PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION										
Nov 70	Storage capacity increased by excavation of 791 acre-feet.									
Jul 77	3	19	9	34	33	3	-2	1	0	

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.
1953-54	1448.8	1405.5	1,514	1965-66	1446.5	1376.3	6,386
1954-55	1442.2	1408.7	561	1966-67	1461.8	1386.2	12,352
1955-56	1444.3	1407.6	736	1967-68	1452.0	1416.0	3,145
1956-57	1434.5	1404.8	452	1968-69	1470.2	1425.6	20,446
1957-58	1461.2	1413.4	6,786	1969-70	1457.1	1405.0	3,901
1958-59	1442.3	1407.0	931	1970-71	1441.5	1376.0	2,465
1959-60	1437.5	1394.0	408	1971-72	1428.4	1403.7	1,040
1960-61	1443.2	1396.7	468	1972-73	1447.8	1014.2	4,252
1961-62	---	---	454	1973-74	1441.8	1418.2	2,447
1962-63	1450.9	1435.1	1,021	1974-75	1430.4	1408.9	1,437
1963-64	1455.2	1430.0	680	1975-76	1430.3	1407.2	756
1964-65	1439.0	1399.4	1,118	1976-77	1431.3	1376.0	988

46. ELEVATION-AREA-CAPACITY DATA								
ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY	ELEVATION	AREA	CAPACITY
1379	0	0	1410	11.4	126.4	1445	29.1	879.7
1380	.02	.02	1415	14.5	192.2	1450	32.0	1032
1385	.31	.69	1420	18.2	272.9	1455	35.0	1199
1390	1.17	4.10	1425	21.3	372.4	1460	38.0	1380
1395	4.1	15.5	1430	23.3	484.2	1465	40.0	1574
1400	6.3	42.7	1435	25.7	606.7	1470	43.0	1782
1405	8.1	78.5	1440	27.2	739.4	1475	45.0	2002

47. REMARKS AND REFERENCES
 1/ Item 14 - After flood season reservoir is used for conservation.
 2/ Item 25 - Temperature taken at Pasadena, California.