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COUNTY OF VENTURA
STATE OF CALIFORNIA
OFFICE OF
COUNTY SURVEYOR
COURTHOUSE, ROOM 4
VENTURA, CALIFORNIA
November 25, 1947

*With
memo*

R. E. RICHARDSON
Chief Deputy Surveyor
RICHARD H. JAMISON
Hydraulic Engineer
CHAS. H. MANGOLD
Structural Engineer



Board of Supervisors
Ventura County Flood Control District
Ventura County, California

SUBJECT: Problem of Safe Yield of Matilija and Casitas Reservoirs.

Gentlemen:

Some months ago, I requested Richard H. Jamison, Hydraulic Engineer in this office, to prepare a memorandum on Safe Yield of Matilija and Casitas Reservoirs. The request for this memorandum was made because of various inquiries in this office relative to the Safe Yield in the Zone 1 report, which appeared to be somewhat higher than shown in previous water reports. This office does not know exactly how previous figures were arrived at; hence this memorandum was prepared. Due to the illness of Mr. Jamison for two months or more, the preparation of this memorandum was delayed until the present time.

This memorandum is offered for purposes of record and guidance in the possible revision of parts of our water project because of the results of Mr. Jamison's study.

This memorandum is subject to study by all interested parties and this office will cooperate with all parties in showing basic data as well as methods of calculations. Please note that seepage may have been calculated higher than expected but in order to correlate with the Zone 1 report, the same seepage factor was used.

The chart accompanying the report entitled "Graph of Table 17" shows the results of Table 17 both as to water storage, vacant space and overflow. It may be noted that in many cases, overflow occurs in both reservoirs at the same time.

Yours very truly,

Robert L. Ryan
ROBERT L. RYAN, Engineer
Ventura County Flood
Control District

RLR:m

Principal

WATER SUPPLY PROJECTS

COYOTE CREEK AND MATILIJA CREEK

Coyote Creek 11,300 Ac. Ft. project with a safe net yield to the City of 3000 Ac. Ft. per year would cost \$1,414,000, including land at \$237,000. Matilija Creek 6,600 Ac. Ft. project of like safe net yield to City, with allowance of an annual release of not less than 1800 Ac. Ft. for the rights below, would cost \$1,589,500, including land at \$41,500.

MEMORANDUM

Probable Safe Yield
of
Matilija and Casitas Reservoirs
Prepared by
Richard H. Jamison, Hydraulic Engr.
for
Robert L. Ryan, Flood Control Engr.

INDEX OF TABLES

<u>No.</u>		<u>Page</u>
1.	Average Monthly Evaporation - - - - -	11
2.	Evaporation and Seepage - - - - -	12
3.	Relation between flows in Matilija & North Fork - - -	13
4.	Estimated monthly demand for Old Rights - - - - -	14
	<u>Matilija Creek</u>	
5.	Monthly run-off available for storage - - - - -	15
7.	Monthly draft for 2100 acre-feet annual yield - - - -	17
8.	Monthly draft for 2800 acre-feet annual yield - - - -	18
9.	Monthly draft for 3000 acre-feet annual yield - - - -	19-20
	<u>Operation of Matilija Reservoir</u>	
11.	3000 acre-feet annual draft - - - - -	22-28
12.	3000 acre-feet annual draft, 5 year dry period - - -	29
13.	2800 acre-feet annual draft, 5 year dry period - - -	30-31
14.	2100 acre-feet annual draft, 5 year dry period - - -	32-33
	<u>Coyote Creek</u>	
6.	Monthly run-off available for storage - - - - -	16
10.	Monthly draft for 400 to 4000 acre-feet annual draft-	21
	<u>Operation of Casitas Reservoir</u>	
15.	3000 acre-feet annual draft - - - - -	34-41
16.	3000 acre-feet annual draft, 5 year dry period - - -	42
16A.	2800 acre-feet annual draft, 5 year dry period - - -	43-45
16B.	2600 acre-feet annual draft, 5 year dry period - - -	46-48
16C.	400 acre-feet annual draft, 5 year dry period - - - -	49-50
17.	Overflow at Matilija Dam and Vacant Storage Space at Casitas Reservoir - - - - -	51-57

November 15, 1947

MEMORANDUM

Probable Safe Yield
of
Matilija and Casitas Reservoirs
Prepared by
Richard H. Jamison, Hydr. Engr.
for
Robert L. Ryan, Flood Control Engr.

This memorandum was prepared pursuant to our conversation of six months ago concerning the probable safe yield to be expected from Matilija and Casitas Reservoirs.

The methods used and the tables developed are presented in support of the following conclusions.

CONCLUSIONS

1. Matilija Reservoir

Assuming that the reservoir was full at the beginning of a five year period of low run-off such as that beginning with May, 1927, the probable safe yield is 2800 acre-feet annually.

If the reservoir had been put into operation November, 1927, an annual yield of 2100 acre-feet could have been expected.

2. Casitas Reservoir.

Assuming that the reservoir had been put into operation December 1, 1925, the probable safe yield is 2600 acre-feet annually.

If the reservoir had been put into operation December 1, 1927, an annual yield of 400 acre-feet could have been expected.

3. Evaporation and Seepage.

The amount of evaporation used in this memorandum is believed to be nearly the correct amount. The amount used for seepage is questionable. If the loss by seepage is less than that used, the yield would be greater than that computed.

The actual seepage cannot be obtained until the reservoir is

in operation. In order to obtain a better idea of the seepage factor, it will be necessary to measure the amount of water entering the reservoir, evaporation pans should be installed to determine this factor, a record kept of all releases of water from the reservoir and a record of the elevation of the water surface should be kept. The latter can be done best by installing water stage recorders. Such information is necessary in order to operate the reservoir properly.

4. Care in Operation Necessary.

The reservoirs are small and care must be taken in their operation so that some water will be available at all times, especially if domestic water is to be served.

5. Diversion from Matilija to Casitas.

Information is presented in this memorandum in Table 17, pages 51 to 57, that will be an aid in determining the amount of water to be diverted. No conclusions are presented here in this respect as more study is required. However, if water is diverted to hold the stored water in casitas Reservoir at a high elevation, a large portion of this would be disposed of by evaporation and seepage.

November 15, 1947

Memorandum
on
Probable Safe Yield of Matilija & Casitas Reservoirs.

Evaporation

The probable evaporation from Matilija and Casitas Reservoirs was determined from temperature records obtained at Ojai and from the records of temperature and evaporation obtained at Gibraltar and Jameson Reservoirs in Santa Barbara County.

These records are submitted in Table 1, page 11. The average temperatures at Jameson Lake are very close to the average temperatures at Ojai and the general climatic conditions are similar. The average evaporation records at Jameson Lake were used as a base.

The monthly coefficients that are applied to the evaporation from a pan to obtain the evaporation from a lake were obtained from U.S.D.A. bulletin entitled "Evaporation Investigation in Southern California" by Arthur Young, April, 1945.

The annual evaporation obtained by using these data is 41.67 inches or 3.47 feet. However, in using these evaporation figures, the monthly rainfall was also taken into account in analyzing the operation of the reservoir. For instance, if the rainfall in any month was greater than the evaporation for that month, the difference in feet multiplied by the exposed area of the lake, in acres, was considered as acre-feet input to the stored water in the reservoir.

Seepage from Reservoirs

The seepage, if any, from any reservoir is difficult to determine until the reservoir is created. It depends upon the geology of the area. Water may escape entirely from the area

to be served by the reservoir or water may appear in the stream channels below the water surface of the reservoir. If there is such an escape of water when the reservoir is first put into operation, future siltation may reduce it or even stop it. The use of some estimate of loss in this manner, when studying the operation of a reservoir will result in a more conservative figure of safe yield than by not using any estimate.

The amount of seepage used in this memorandum is the same as that used by the Warren Company in their report to Zone 1. The estimated amounts are 0.50 cu. ft. per second per 100 acres of lake surface for Casitas Reservoir and one half this amount for Matilija Reservoir. (See Warren, Zone 1 report, Pages 117 & 118.)

This was converted into feet depth per month per acre and used with the evaporation.

The monthly figures used are shown in Table 2, page 12.

Old Water Rights

Before any water can be stored in Matilija Reservoir, the Old Water Rights must be satisfied. The rights considered here are those with diversion points on the Matilija Creek, North Fork and Ventura River within a mile or two below the dam. There are other water rights farther down the river that may have to be considered later but they are not within the scope of this memorandum.

The rights considered here are as follows:

Rancho Ojai Mutual Water Company - - - - -	231 M.I.
Rancho Matilija - - - - -	231 M.I.
Rowe - - - - -	16 M.I.
Sheldon - - - - -	30 M.I.
Soper and others - - - - -	22 M.I.
	530 M.I.=
	10.6 sec.ft.

It is believed that this amount of 530 M.I. is very close to the total of all of the Old Rights, but this figure is subject to correction. Sheldon diverts from North Fork but it was necessary to include his diversion in this study.

In order to determine the amount of water to be released, the daily flow of North Fork was plotted against the daily flow in Matilija Creek. An average curve was drawn through these points. From this curve Table 3, page 13 was prepared.

Referring to Table 3, it will be seen that when there is a flow of 8 sec. ft. in Matilija Creek, there is a flow of 2.6 sec. ft. in North Fork. The sum of these equals 10.6 sec. ft. required to meet the demand of the Old Rights. When the flow increases, enough water must be released from the reservoir, which released water when added to the flow in North Fork will equal 10.6 sec. ft. When there is a flow of 34 sec. ft. in Matilija Creek, it will not be necessary to release any water from storage because there will be enough water in North Fork to meet the demand of the Old Rights.

With flows of 8 sec. ft. and below 8 sec. ft. the Old Rights are entitled to all. The amount to be released during the low flow period will be determined by the relation of the flow in Matilija Creek at elevation 1145 (above the dam) to that at the gaging station, below the dam. We have made many stream flow measurements at both points to determine this relation.

Run-Off Available for Storage in Matilija Reservoir

In order to determine the amount of water for storage in Matilija Reservoir, the daily discharge for each month and the daily rainfall records were studied. From these data the amount of water required to satisfy the Old Rights was determined. This

estimated monthly demand is shown in Table 4, page 14.

These monthly demands were then subtracted from the monthly run-off to obtain the amount of water that could be stored monthly. The amounts available for storage are shown in Table 5, page 15.

Run-off Available for Storage in Casitas Reservoir

Water Rights, if any, below Casitas Dam were not considered in determining the run-off available for storage in Casitas Reservoir. There may be some claims, but if there are, they are believed to be small.

The monthly run-off is shown in Table 6, page 16.

Monthly Distribution of Demand on Matilija Reservoir

In order to determine the monthly demand, the records of the Thermal Belt Water Company in Santa Paula were obtained for the period 1927 to 1947. This company serves both domestic water and water for irrigation.

The monthly demand of this company was converted into percent of the total demand for each year. These percents of the annual demand were then applied to the various annual demands assumed at Matilija Reservoir.

The monthly distribution in acre-feet is shown in the following tables.

For 2100 acre-feet, in Table 7, page 17.
 For 2800 " " in Table 8, page 18.
 For 3000 " " in Table 9, pages 19 & 20.

The monthly distribution at Casitas Reservoir is based on the probable average percent of the total demand.

The monthly demands, in acre-feet, are shown in Table 10, page 21.

Operation of Matilija Reservoir

A table was prepared showing the area of the surface of the lake for any given capacity. The table is not shown in this memorandum.

With the capacity-area table and the information shown in the preceding tables, the operation of the reservoir by months was set up.

The operation was started with the reservoir full, 7000 acre-feet on May 1, 1927. An annual draft of 4000 acre-feet was first used and it was found that the reservoir became dry a few years later.

An annual draft of 3000 acre-feet was then used and the operation was carried through to October, 1946. This operation is shown in Table 11, pages 22 to 28.

This draft of 3000 acre-feet carried through the dry period without the reservoir going dry, but there were only 370 acre-feet in storage at the end of November, 1931, of which 250 acre-feet are not available, because this amount is below the outlet. The run-off during the winter of 1931-32 filled the reservoir and water was wasted. However, an available supply of 120 acre-feet is dangerously low.

It was then assumed that a year like 1928-29 followed 1931. This is not an unreasonable assumption.

Assuming a year like 1928-29 to follow 1931 gives a period of five years in succession of low run-off. Such a period occurred during the decade 1890 to 1900.

The operation, with 3000 acre-feet draft, was carried through on this assumption (See Table 12, page 29), and it

was found that the water was below the outlet on or about the middle of the following November.

A draft of 2800 acre-feet was then used and it was again assumed that a year like 1928-29 followed 1931. See Table 13, pages 30 & 31. It was found that by the end of the following December there were 686 acre-feet, of which 436 acre-feet were available through the outlet. This is not as much as is desirable for the low point.

It was then assumed that the dam was finished and ready to store water November 1, 1927, with the water surface at the outlet elevation, that is, with the reservoir empty for available storage.

The operation was carried out with a draft of 2100 acre-feet. See Table 14, pages 32 & 33. The available storage was 277 acre-feet at the end of November, 1927. The winter of 1931-32 filled the reservoir. If a year like 1928-29 had followed 1931, there would have been 625 acre-feet of water above the outlet.

Operation of Casitas Reservoir.

A study was made of the operation of Casitas Reservoir similar to the study that was made for Matilija Reservoir.

An annual draft of 4000 acre-feet was used first. It was found that the reservoir became dry in July, 1931.

An annual draft of 3000 acre-feet was used next. This operation was carried through from December, 1925, to October, 1946. See Table 15, pages 34 to 41.

The reservoir was assumed to be empty or at the outlet on December 1, 1925, but by May 1, 1927, the supply had increased to 21,543 acre-feet. There were only 957 acre-feet of vacant storage

space. The inflow during the next four years was small. The draft and evaporation and seepage during this period reduced the amount of water stored to 2444 acre-feet by the end of November, 1931. This 2444 acre-feet appears to be a safe amount for hold-over.

However, it was assumed that a year like 1927-28 followed 1931, and that an annual draft of 3000 acre-feet was continued. This was using a five year period of low run-off. It was found that the reservoir would have been empty sometime during the following October. See Table 16, page 42.

With the same five year period assumption, an annual draft of 2800 acre-feet was used. See Table 16A, page 43 to page 45. It was found that there were only 392 acre-feet in the reservoir at the end of the assumed dry period.

An annual draft of 2600 acre-feet was then used for the same five year period. See Table 16B, page 46 to page 48. There was a gain of 883 acre-feet in the amount of the stored water at the end of the five year period over that when a draft of 2800 acre-feet was used.

Because we are presumed to be entering a dry period, the probable yield to be expected for such a condition was studied. The same five year period of low run-off was used, except it was assumed the reservoir began to store water in December, 1927.

An annual draft of 400 acre-feet was used. The operation is shown in Table 16C, pages 49 & 50. An inspection of this table shows that the amount of stored water was dangerously low near the end of every year, even with this meager annual draft.

Diversion from Matilija Reservoir to Casitas Reservoir

It is the writer's understanding that the Matilija Dam and Reservoir is a conservation project and not a diversion dam for Casitas Reservoir. If this is true, then the only water available for Casitas Reservoir is that which would flow over Matilija Dam.

The water sheds tributary to the two reservoirs are adjacent. When the run-off of one is low, the run-off of the other is low and when the run-off of the one is high, the run-off of the other is high. In order to understand this relation, the operations of the two reservoirs have been set up side by side in Table 17, pages 51 to 57.

This table shows the amount of stored water at the beginning of the month and the amount of overflow during the month at Matilija Reservoir. It also shows the amount of stored water, the vacant storage space and the over-flow at Casitas Reservoir.

Referring to Table 17, it can be seen that from May, 1927, to February, 1932, a period of about five years, there was available for diversion only 585 acre-feet. Also it can be seen that the floods of February, March and April, 1932, produced 15,850 acre-feet of overflow at Matilija Dam while there was only 6985 acre-feet of vacant storage space in Casitas Reservoir to receive it.

A more thorough study of this table is necessary before deciding upon the size of the pipe line to Casitas Reservoir.

TABLE I.

Average daily temperatures for each Month and Average Monthly Evaporation

Month	Ojai Temp 36 yrs Record	Gibraltar Reservoir		Jameson Reservoir		Evaporation - Jameson Res.		
		Temp. 13 yrs Record	Av. Evap Pan Inches	Temp. 13 yrs Record	Av. Evap. Pan. Inches	Monthly Coef.	Monthly Evap. Inches	Monthly Evap. feet.
Jun	50.7	50	1.29	49	1.09	.82	.90	.075
Feb	52.4	52	1.82	50	1.53	.63	.96	.080
Mar	54.6	55	3.79	55	3.23	.67	2.16	.180
Apr	57.5	59	5.12	59	4.65	.66	3.07	.255
May	61.2	64	6.83	64	5.98	.68	4.07	.339
Jun	66.4	68	7.94	69	6.72	.77	5.17	.430
Jul	72.5	74	9.66	76	7.98	.74	5.90	.492
Aug	72.3	74	9.16	75	8.04	.77	6.19	.516
Sep	69.5	70	7.36	70	6.86	.87	5.97	.498
Oct	64.0	65	5.09	63	4.54	.93	4.22	.352
Nov	58.1	57	2.83	56	2.02	.97	1.96	.163
Dec	52.4	53	1.32	51	1.14	.95	1.08	.090
Total			62.21		53.78		41.67	3.47
Coef = .77			47.90		41.41		41.67	3.47

Gibraltar Reservoir: U.S. Weather Bureau Pan 4' dia. 10" deep. Records 1932 thru 1945

Jameson Lake: " " " " " " " " " "

Note:- Monthly coefficients taken from U.S.D.A. Bulletin entitled "Evaporation Investigations in Southern California" by Arthur Young. April 1945.

TABLE 2

Evaporation and Seepage Loss.

Seepage Loss - Matilija Res. = 0.150 ft. per acre per month.

" " Casita Res = 0.300 " " " " "

Month.	Evaporation Loss feet.	Evap. + Seepage Matilija Res feet.	Evap. + Seepage Casitas Res. feet.
Jan	.075	.225	.375
Feb	.080	.230	.380
Mar	.180	.330	.480
Apr	.255	.405	.550
May	.339	.489	.639
Jun	.430	.580	.730
Jul	.492	.642	.792
Aug	.516	.666	.816
Sep	.498	.648	.798
Oct	.352	.502	.652
Nov	.163	.313	.463
Dec	.090	.240	.390
Total.	3.470	5.270	7.070

Note: The seepage or percolation loss used here is the same as that used in the "Zone No. 1 report by the Warren Co. and is as follows:

Casitas Reservoir - Page 117

0.50 cu. ft. per sec. for each 100 acres of Lake surface.

Matilija Reservoir Page 118.

Estimated as 50% of that for Casitas Reservoir or 0.25 cu. ft. per sec. for each 100 acres of Lake surface.

Table 3
Relation between the flow in
North Fork and the flow in Matilija Creek.
Second-feet.

North Fork	Matilija Creek.	Release from Matilija
0.6	1.7	1.7
.7	2.0	2.0
.8	2.3	2.3
.9	2.6	2.6
1.0	2.8	2.8
.1	3.2	3.2
.2	3.5	3.5
.3	3.8	3.8
.4	4.1	4.1
1.5	4.5	4.5
.6	4.8	4.8
.7	5.1	5.1
.8	5.4	5.4
.9	5.7	5.7
2.0	6.0	6.0
.1	6.3	6.3
.2	6.6	6.6
.3	7.0	7.0
.4	7.3	7.3
2.5	7.6	7.6
.6	8.0	8.0
.7	8.2	7.9
.8	8.5	7.8
.9	8.8	7.7
3.0	9.1	7.6
.1	9.4	7.5
.2	9.7	7.4
.3	10.0	7.3
.4	10.3	7.2
3.5	10.6	7.1
.6	11.0	7.0
.7	11.4	6.9
.8	11.7	6.8
.9	12.0	6.7
4.0	12.3	6.6

North Fork	Matilija Creek.	Release from Matilija
4.1	12.6	6.5
.2	12.9	6.4
.3	13.2	6.3
.4	13.5	6.2
4.5	13.8	6.1
.6	14.2	6.0
.7	14.7	5.9
.8	14.8	5.8
.9	15.1	5.7
5.0	15.4	5.6
.1	15.7	5.5
.2	16.0	5.4
.3	16.4	5.3
.4	16.7	5.2
5.5	17.0	5.1
.6	17.3	5.0
.7	17.6	4.9
.8	18.0	4.8
.9	18.3	4.7
6.0	18.6	4.6
.1	18.9	4.5
.2	19.3	4.4
.3	19.6	4.3
.4	20.0	4.2
6.5	20.3	4.1
.6	20.6	4.0
.7	21.0	3.9
.8	21.3	3.8
.9	21.7	3.7
7.0	22.0	3.6
.6	22.3	3.5
.7	22.7	3.4
.8	23.0	3.3
.9	23.4	3.2
7.5	23.7	3.1

North Fork	Matilija Creek	Release from Matilija
7.6	24.0	3.0
.7	24.4	2.9
.8	24.7	2.8
.9	25.1	2.7
8.0	25.4	2.6
.1	25.7	2.5
.2	26.1	2.4
.3	26.4	2.3
.4	26.8	2.2
8.5	27.1	2.1
.6	27.4	2.0
.7	27.8	1.9
.8	28.1	1.8
.9	28.5	1.7
9.0	28.8	1.6
.1	29.1	1.5
.2	29.4	1.4
.3	29.8	1.3
.4	30.1	1.2
9.5	30.4	1.1
.6	30.7	1.0
.7	31.0	0.9
.8	31.4	.8
.9	31.7	.7
10.0	32.0	.6
.1	32.3	.5
.2	32.7	.4
.3	33.0	.3
.4	33.3	.2
10.5	33.6	.1
.6	34.0	0

Table. 4
Estimated monthly demand, in Acre-feet, for Old Rights.

year	Jan	Feb	Mar	Apr	May	Jun	Jul.	Aug	Sep	Oct	Nov	Dec.	Total.
1927					385	437	* 330	* 231	* 198	* 263.	0	0	
28	0	0	0	432	* 382	* 210	* 116	* 73	* 61	* 69	* 110	0	1453
29	0	0	0	0	* 335	* 206	* 84	* 53	* 34	* 31	* 38	* 54	835
1930	32	0	0	390	* 381	* 149	* 58	* 35	* 33	* 39	* 59	* 93	1269
31	0	0	* 262	90	186	* 203	* 67	* 39	* 47	* 35	* 126	0	1055
32	0	0	0	261	409	443	* 250	* 151	* 120	* 215	* 257	* 282	2358
33	0	0	352	449	431	323	* 225	* 170	* 156	* 207	* 171	61	2545
34	0	0	0	428	* 393	* 302	* 200	* 134	* 142	67	74	0	1740
1935	0	0	0	0	49	306	429	451	* 339	327	383	406.	2690
36	0	0	0	0	444	350	* 217	* 150	* 155	79	155	163.	1713
37	0	0	0	0	0	160	349	462	* 402	* 404	* 405	115	2297
38	0	0	0	0	0	54	259	384	432	450	440	200	2219
39	0	0	0	154	402	419	* 400	* 307	281	* 340	* 324	* 400	3027
1940	0	0	0	0	470	* 306	* 176	* 131	* 121	* 118	* 193	108	1623
41	0	0	0	0	0	0	51	237	334	362	378	0	1362
42	0	0	0	0	239	415	* 361	* 257	* 222	* 220	* 270	* 315	2299
43	224	0	0	0	13	249	397	476	* 355	* 382	* 421	129	2646
44	0	0	0	0	11	196	381	452	* 427	* 437	135	0	2039
1945	449	0	0	0	319	429	* 364	* 239	* 193	* 222	* 303	223	2741
46	0	0	366	0	214	399	* 361	* 231	* 180				

* Indicates months when the total flow was going to satisfy old Rights.

Table. 5
Matilija Creek
Monthly run-off, in Acre-feet, after Old Rights have been deducted.

year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total.
1927					e 433	= 85	0	0	0	0	387	575	
28	498	1213	1104	68	0	0	0	0	0	0	0	221	3104
29	279	659	857	747	0	30	0	0	0	0	0	0	2542
1930	251	296	1620	259	0	0	0	0	0	0	0	0	2426
31	153	507	0	93	110	0	0	0	0	0	0	2840	3703
32	1570	15,300	2410	892	333	30	0	0	0	0	0	0	20535
33	3840	1530	574	100	7	19	0	0	0	0	0	2889	8959
34	4360	1600	1310	194	0	0	0	0	0	485	222	1900	10071
1935	7360	2290	3350	5520	2026	695	249	39	0	0	0	13	21542
36	370	6680	1930	1160	188	11	0	0	0	367	163	1932	12801
37	2450	14,510	18,360	6850	2810	1330	583	101	0	0	0	938	47932
38	716	16,260	48,170	6150	3460	1848	779	437	154	162	141	1736	80213
39	2020	1610	2,880	1052	363	4	0	0	58	0	0	0	7987
1940	761	2740	1,750	895	52	0	0	0	0	0	0	2822	9020
41	8970	22,450	44,780	25,040	6520	3020	1992	1062	580	529	400	2190	124533
42	1690	988	1,020	2600	1054	245	0	0	0	0	0	0	7597
43	17,448	12,610	19,740	3720	2270	945	381	38	0	0	0	993	58145
44	1190	10,780	14,500	3880	2210	1172	448	45	0	0	960	698	35883
1945	167	4,990	2,380	1700	710	186	0	0	0	0	0	3814	13947
46	1140	950	4784	3470	1165	308	0	0	0				

e- indicates estimate.

Table 6
Monthly discharge, in Acre-feet, of Coyote Creek at Casitas Dam Site.

Year	Jan	Feb	Mar	Apr.	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total.
1925	e 125	e 221	e 230	e 74	e 20	e 7	e 4	e 2	e 2	e 39	e 36	e 1005	e 1765
26	e 2057	e 3628	e 3777	e 1218	e 305	e 118	e 61	e 32	e 24	e 48	e 45	e 1259	e 12,572
27	e 2576	e 4542	e 4728	e 1526	e 382	e 147	e 77	e 40	e 30	6	11	48	14,113
28	58	132	266	55	33	17	12	11	11	11	41	61	808
29	101	438	415	179	58	26	8	4	2	6	6	6	1249
1930	206	40	1203	87	28	11	9	6	6	6	7	11	1620
31	24	230	38	112	83	8	3	5	5	6	6	4108	4628
32	833	8272	541	139	91	50	35	33	35	82	98	107	10,316
33	1455	580	352	208	165	130	85	64	58	6	6	2500	5,609
34	2209	630	249	57	16	9	5	3	2	221	120	1250	4,771
1935	2613	354	877	2350	272	66	23	8	10	11	8	22	6614
36	44	5217	635	345	64	26	13	6	6	9	8	1670	8,043
37	1222	11,092	5020	1,363	445	138	34	20	20	13	12	404	19,783
38	211	6458	15,736	1,231	499	232	95	44	27	33	46	414	25,026
39	723	418	865	178	80	40	13	8	6	3	4	8	2,346
1940	19	1504	454	173	69	28	13	5	4	4	4	2416	4,693
41	5414	10,848	17,381	8751	1654	637	415	190	112	124	123	959	46,618
42	468	277	312	743	269	85	27	13	11	12	11	15	2,243
43	13,245	4042	8,122	1006	440	156	75	30	18	17	18	344	27,513
44	242	7763	4,755	575	289	163	58	33	22	19	246	108	14,273
1945	111	4126	1504	456	142	65	33	14	10	9	8	1128	7,606
46	162	255	1118	537	111	34	15	6	6				
47													

Note: - The discharge shown in this table is 94% of the discharge at the gaging station.
"e" - indicate estimate.

Table 7

Matilija Reservoir
 Monthly draft, in Acre-feet, for 2100 Acre-feet Demand.
 Based on the monthly distribution of Thermal Belt Co.

Month	1927		1928		1929		1930		1931		1932	
	% of Total	Monthly draft.	% of Total	Monthly draft.	% of Total	Monthly draft.	% of Total	Monthly draft.	% of Total	Monthly draft.	% of Total	Monthly draft.
Jan	1.4	29	6.4	134	5.5	116	2.9	61	2.4	50	.9	19
Feb	1.0	21	6.5	137	1.5	31	3.0	63	.6	13	.3	6
Mar	1.5	32	5.0	105	5.2	109	3.3	69	7.1	149	2.1	44
Apr	2.2	46	10.6	223	4.2	88	7.6	160	11.9	250	12.5	262
May	10.7	225	12.1	254	8.6	181	9.6	202	4.2	88	11.5	242
Jun	16.7	351	10.0	210	11.5	242	11.5	241	9.3	195	11.3	237
Jul	15.7	330	10.7	225	12.9	271	11.8	248	15.4	323	11.7	246
Aug	11.9	250	10.1	212	11.0	231	11.6	243	13.6	286	11.2	235
Sep	15.2	319	10.3	216	10.2	214	10.6	223	11.6	244	9.0	189
Oct	11.2	235	7.4	155	10.3	216	11.2	235	11.9	250	11.7	246
Nov	5.2	109	6.3	132	9.7	204	8.8	185	9.0	189	10.0	210
Dec.	7.3	153	4.6	97	9.4	197	8.1	170	3.0	63	7.8	164

Table 8.

Matilija Reservoir.
 Monthly draft, in Acre-feet. for 2800 Acre-ft Demand.
 Based on the monthly distribution of Thermal Belt Water Co.

Month	1927 .		1928		1929		1930		1931		1932	
	% of Total	Monthly draft.	% of Total	Monthly draft.	% of Total	Monthly draft.	% of Total	Monthly draft	% of Total	Monthly draft.	% of Total	Monthly draft.
Jan	1.4	39	6.4	179	5.5	154	2.9	81	2.4	67	.9	25
Feb	1.0	28	6.5	182	1.5	42	3.0	84	.6	17	.3	8
Mar	1.5	42	5.0	140	5.2	145	3.3	92	7.1	199	2.1	59
Apr	2.2	61	10.6	297	4.2	118	7.6	213	11.9	333	12.5	350
May	10.7	300	12.1	339	8.6	241	9.6	269	4.2	118	11.5	322
Jun	16.7	467	10.0	280	11.5	322	11.5	322	9.3	260	11.3	316
Jul	15.7	440	10.7	300	12.9	361	11.8	330	15.4	431	11.7	328
Aug	11.9	333	10.1	283	11.0	308	11.6	325	13.6	381	11.2	314
Sep	15.2	426	10.3	288	10.2	286	10.6	297	11.6	325	9.0	252
Oct	11.2	314	2.4	207	10.3	288	11.2	314	11.9	333	11.7	328
Nov	5.2	146	6.3	176	9.7	272	8.8	246	9.0	252	10.0	280
Dec	7.3	204	4.6	129	9.4	263	8.1	227	3.0	84	7.8	218

Table. 9

Monthly draft, in acre-feet, from Matilija Reservoir for 3000 acre-feet annual demand.
Based on the monthly distribution of Thermal Belt Water Co.

Month	1927		1928		1929		1930		1931		1932	
	% of Total	Monthly draft.	% of Total	Monthly draft.	% of Total	Monthly draft.	% of Total	Monthly draft.	% of Total	Monthly draft.	% of Total	Monthly draft.
Jan	1.4	42	6.4	192	5.5	165	2.9	87	2.4	72	.9	27
Feb	1.0	30	6.5	195	1.5	45	3.0	90	.6	18	.3	9
Mar	1.5	45	5.0	150	5.2	156	3.3	99	7.1	213	2.1	63
Apr	2.2	66	10.6	318	4.2	126	7.6	228	11.9	357	12.5	375
May	10.7	321	12.1	363	8.6	258	9.6	288	4.2	126	11.5	345
Jun	16.7	501	10.0	300	11.5	345	11.5	345	9.3	279	11.3	339
Jul	15.7	471	10.7	321	12.9	387	11.8	354	15.4	462	11.7	351
Aug	11.9	357	10.1	303	11.0	330	11.6	348	13.6	408	11.2	336
Sep	15.2	456	10.3	309	10.2	306	10.6	318	11.6	348	9.0	270
Oct	11.2	336	7.4	222	10.3	309	11.2	336	11.9	357	11.7	351
Nov	5.2	156	6.3	189	9.7	291	8.8	264	9.0	270	10.0	300
Dec	7.3	219	4.6	138	9.4	282	8.1	243	3.0	90	7.8	234
Month	1933		1934		1935		1936		1937		1938	
	% of Total	Monthly draft.	% of Total	Monthly draft.	% of Total	Monthly draft.	% of Total	Monthly draft.	% of Total	Monthly draft.	% of Total	Monthly draft.
Jan	4.4	132	.3	9	.5	15	8.4	252	.6	18	1.9	57
Feb	.9	27	5.1	153	.6	18	2.2	66	.9	27	.9	27
Mar	4.6	138	.8	24	.4	12	.3	9	.6	18	.8	24
Apr	12.2	366	10.7	321	.4	12	.6	18	1.2	36	2.4	72
May	8.9	267	13.0	390	1.9	57	8.5	255	14.5	435	12.2	366
Jun	12.6	378	10.1	303	13.6	408	13.8	414	12.4	372	12.7	381
Jul	12.1	363	13.6	408	15.5	465	14.9	447	14.7	441	12.8	384
Aug	9.7	291	13.5	405	15.4	462	13.0	390	11.8	354	13.2	396
Sep	10.3	309	11.7	351	14.6	438	12.5	375	14.3	429	13.6	408
Oct	9.2	276	12.4	372	14.1	423	9.3	279	12.9	387	10.8	324
Nov	10.0	300	7.6	228	12.8	384	6.9	207	11.1	333	12.1	363
Dec	5.1	153	1.2	36	10.2	306	9.6	288	5.0	150	6.6	198

Table 9 continued.

Monthly draft, in acre-feet, from Matilija Reservoir for 3000 acre-feet annual demand.
Based on the monthly distribution of Thermal Belt Water Co.

Month	1939		1940		1941		1942		1943		1944		
	% of Total	Monthly draft.	% of Total	Monthly draft.	% of Total	Monthly draft	% of Total	Monthly draft	% of Total	Monthly draft.	% of Total.	Monthly draft.	
Jan	.9	27	1.5	45	1.1	33	1.1	33	6.7	201	1.3	39	
Feb	.7	21	1.1	33	.9	27	4.5	135	.9	27	1.1	33	
Mar	.9	27	1.5	45	1.2	36	7.2	216	.8	24	1.2	36	
Apr	2.1	63	2.8	84	1.4	42	3.0	90	1.8	54	4.9	147	
May	13.2	396	10.1	303	2.8	84	9.3	279	10.7	321	9.5	285	
Jun	9.3	279	11.6	348	13.8	414	12.0	360	12.7	381	15.1	453	
Jul	14.6	438	13.9	417	16.3	489	12.6	378	13.5	405	15.3	459	
Aug	11.5	345	13.2	396	14.6	438	11.0	330	12.9	387	16.1	483	
Sep	14.4	432	13.3	399	17.9	537	12.7	381	14.3	429	16.0	480	
Oct	10.7	321	14.3	429	12.6	378	9.6	288	10.8	324	14.9	447	
Nov	13.1	393	8.9	267	12.4	372	8.5	255	10.7	321	1.4	42	
Dec	8.6	258	7.8	234	5.0	150	8.5	255	4.2	126	3.2	96	
	1945		1946										
Jan	9.3	279	.4	12									
Feb	.7	21	.8	24									
Mar	1.2	36	8.5	255									
Apr	1.0	30	1.6	48									
May	9.9	297	10.3	309									
Jun	12.1	363	13.7	411									
Jul	11.1	333	15.5	465									
Aug	14.6	438	14.4	432									
Sep	11.6	348	14.6	438									
Oct	13.5	405	16.2	486									
Nov	8.3	249	3.3	99									
Dec.	6.7	201	.7	21									

Table 10

Casitas Reservoir
Monthly draft in Acre-feet.

Month	Percent of Total	Annual Draft in Acre-feet.				
		400	2600	2800	3000	4000
Jan	5	20	130	140	150	200
Feb	5	20	130	140	150	200
Mar	6	24	156	168	180	240
Apr	7	28	182	196	210	280
May	8	32	208	224	240	320
Jun	11	44	286	308	330	440
Jul	12	48	312	336	360	480
Aug	12	48	312	336	360	480
Sep	11	44	286	308	330	440
Oct	9	36	234	252	270	360
Nov	8	32	208	224	240	320
Dec	6	24	156	168	180	240

TABLE 11.
Operation of Matilija Reservoir - 3000 Acre-foot draft - Capacity 7000 Acre-foot

Year	Month	Storage		Inflow	Draft	Difference between Col. 3 & 4	Storage without Evap.	List of Month Acres	End of Month Acres	Average Month Acres	Evaporation and Rainfall Feet	Net loss Col. 10-11 Feet	Net loss Col. 9x12 Ac-ft	Storage end of Month Ac-ft	Dam over Flow Ac-ft	Rainfall of Sheldon Res. inches
		1st of Month	2nd of Month													
1927	Jan.															17
	Feb.															16.75
	Mar.															1.88
	Apr.															1.38
	May	7000	433	321	+112	7112	489	0	-489	7000	112					
	Jun.	7000	85	501	-416	6584	124	119	121.5	.580	0	-580	-70	6514	0	0
	Jul.	6514	0	471	-471	6043	118	113	115.5	.642	0	-642	-74	5969	0	0
	Aug.	5969	0	357	-357	5612	113	108	110.5	.666	0	-666	-74	5538	0	0
	Sep.	5538	0	456	-456	5082	107	103	105	.648	0	-648	-68	5014	0	0
	Oct.	5014	0	336	-336	4678	102	97	99.5	.502	.208	-294	-29	4649	0	2.50
	Nov.	4649	387	156	+231	4880	96	100	98	.313	.176	-137	-13	4867	0	2.12
	Dec.	4867	575	219	+356	5223	100	104	102	.240	.177	-063	-6	5217	0	2.12
1928	Jan.	5217	498	192	+306	5523	104	107	105.5	.225	0	-225	-24	5499	0	0
	Feb.	5499	1213	195	+1018	6517	107	118	112.5	.230	.250	+020	+2	6519	0	3.00
	Mar.	6519	1104	150	+954	7473				.312	-018		7000	473	3.75	
	Apr.	7000	68	318	-250	6750	124	121	122.5	.405	.042	-363	-44	6706	0	.50
	May	6706	0	263	-363	6343	120	116	118	.489	.063	-426	-50	6293	0	.75
	Jun.	6293	0	300	-300	5993	116	112	114.5	.580	0	-580	-66	5927	0	0
	Jul.	5927	0	321	-321	5606	112	108	110	.642	0	-642	-71	5535	0	0
	Aug.	5535	0	303	-303	5232	107	104	105.5	.666	0	-666	-70	5162	0	0
	Sep.	5162	0	309	-309	4853	104	100	102	.648	0	-648	-66	4787	0	0
	Oct.	4787	0	222	-222	4565	99	95	97	.502	0	-502	-49	4516	0	0
	Nov.	4516	0	189	-189	4327	94	92	93	.813	.318	+005	0	4327	0	3.81
	Dec.	4327	221	158	+83	4410	92	93	92.5	.240	.333	+093	+9	4419	0	4.00
1929	Jan.	4419	279	165	+114	4533	93	95	94	.225	.199	-026	-2	4531	0	2.38
	Feb.	4531	659	45	+614	5145	95	103	99	.230	.291	+061	+6	5151	0	3.49
	Mar.	5151	857	156	+701	5852	104	112	108	.330	.250	-080	-9	5843	0	3.00
	Apr.	5843	747	126	+621	6464	111	118	114.5	.405	.198	-207	-24	6440	0	2.38
	May	6440	0	258	-258	6182	117	115	116	.489	0	-489	-57	6125	0	0
	Jun.	6125	0	345	-345	5780	114	111	112.5	.580	.018	-562	-63	5717	0	.22
	Jul.	5717	0	387	-387	5330	109	105	107	.642	0	-642	-69	5261	0	0
	Aug.	5261	0	330	-330	4931	105	101	103	.666	0	-666	-69	4862	0	0
	Sep.	4862	0	306	-306	4556	100	95	97.5	.648	0	-648	-63	4493	0	0
	Oct.	4493	0	309	-309	4184	94	91	92.5	.502	0	-502	-46	4138	0	0
	Nov.	4138	0	291	-291	3847	90	86	88	.313	0	-313	-28	3819	0	0
	Dec.	3819	0	282	-282	3537	85	81	83	.240	0	-240	-20	3517	0	0

TABLE 11 Cont.
Operation of Matilija Reservoir - 3000 Acre-feet draft - Capacity 7000 Acre-feet.

Year	Storage 1st of Month		Inflow Ac-ft	Draft Ac-ft	Difference between Col. 3 & 4 Ac-ft	Storage without Evap. Ac-ft	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft		Rainfall at Sheldon Rch. Inches.
	Month	Ac-ft					1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col. 10-11 Feet	Net loss Col. 9x12 Ac-ft				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1930	Jan.	3517	251	87	+164	3681	81	83	82.	.225	.552	+327	+27	3708	0		6.62
	Feb.	3708	296	90	+206	3914	83	87	85	.230	.177	-.053	-4	3910	0		2.12
	Mar.	3910	1620	99	+1521	5431	87	106	96.5	.330	.563	+233	+22	5453	0		6.76
	Apr.	5453	259	128	+31	5484	106	107	106.5	.405	.021	-.384	-41	5443	0		.25
	May	5443	0	188	-288	5155	106	104	105.	.489	.083	-.406	-43	5112	0		1.00
	Jun.	5112	0	345	-345	4767	103	98	100.5	.580	0	-.580	-58	4709	0		0
	Jul.	4709	0	354	-354	4355	97	93	95	.642	0	-.642	-61	4294	0		0
	Aug.	4294	0	348	-348	3946	92	87	89.5	.666	0	-.666	-60	3886	0		0
	Sep.	3886	0	318	-318	3568	87	81	84	.648	0	-.648	-54	3514	0		0
	Oct.	3514	0	336	-336	3178	80	75	77.5	.502	.032	-.470	-36	3142	0		.38
	Nov.	3142	0	264	-264	2878	74	70	72.	.313	.187	-.126	-9	2869	0		2.25
	Dec.	2869	0	243	-243	2626	69	66	67.5	.240	0	-.240	-16	2610	0		0
1931	Jan.	2610	153	72	+81	2691	66	67	66.5	.225	.464	+239	+16	2707	0		5.57
	Feb.	2707	507	18	+489	3196	67	75	71.	.230	.255	+025	+2	3198	0		3.06
	Mar.	3198	0	213	-213	2985	75	72	73.5	.330	0	-.330	-24	2961	0		0
	Apr.	2961	93	357	-264	2697	71	67	69	.405	.317	-.088	-6	2691	0		3.81
	May	2691	110	126	-16	2675	67	67	67	.489	.156	-.333	-22	2653	0		1.87
	Jun.	2653	0	279	-279	2374	66	64	65	.580	0	-.580	-38	2336	0		0
	Jul.	2336	0	462	-462	1874	63	58	60.5	.642	0	-.642	-39	1835	0		0
	Aug.	1835	0	408	-408	1427	57	51	54.	.666	.042	-.624	-34	1393	0		.50
	Sep.	1393	0	348	-348	1045	50	42	46.	.648	0	-.648	-30	1015	0		0
	Oct.	1015	0	357	-357	658	41	33	37.	.502	0	-.502	-19	639	0		0
	Nov.	639	0	270	-270	369	32	23	27.5	.313	.354	+041	+1	370	0		4.25
	Dec.	370	2840	90	+2750	3120	23	73	48.	.240	.984	+744	+36	3156	0		11.80
1932	Jan.	3156	1570	27	+1543	4699	74	97	85.5	.225	.190	-.035	-3	4696	0		2.28
	Feb.	4696	15,300	9	+15,291	19987				.230	.885	+655		7000	12,987		10.62
	Mar.	7000	2410	63	+2347	9347				.330	0	-.330		7000	2347		0
	Apr.	7000	892	875	+517	7517				.405	.050	-.355		7000	517		.60
	May	7000	330	345	-15	6985	124	124	124	.489	0	-.489	-61	6924	0		0
	Jun.	6924	30	339	-309	6615	123	119	121	.580	0	-.580	-70	6545	0		0
	Jul.	6545	0	351	-351	6194	118	115	116.5	.642	0	-.642	-75	6119	0		0
	Aug.	6119	0	336	-336	5783	114	111	112.5	.666	0	-.666	-75	5708	0		0
	Sep.	5708	0	270	-270	5438	109	106	107.5	.648	.008	-.640	-69	5369	0		.10
	Oct.	5369	0	351	-351	5018	106	102	104.	.502	0	-.502	-52	4966	0		0
	Nov.	4966	0	300	-300	4666	101	97	99.	.313	0	-.313	-31	4635	0		0
	Dec.	4635	0	234	-234	4401	96	93	94.5	.240	.053	-.187	-18	4383	0		.64

TABLE 11 Cont.
Operation of Matilija Reservoir - 3000 Acre-feet draft - Capacity 7000 Acre-feet.

Year	Storage		Inflow Ac-ft	Draft Ac-ft	Difference between Col. 3 & 4 Ac-ft	Storage without Evap. Ac-ft	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft		Rainfall at Sheldon Res. Inches
	1st of Month						1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col. 10-11 Feet	Net loss Col. 9x12 Ac-ft				
	Month	Ac-ft															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1933	Jan.	4383	3840	132	+3708	8091				.225	.946	+ .721		7000	1091		11.36
	Feb.	7000	1530	27	+1503	8530				.230	0	-.230		7000	1530		0
	Mar.	7000	574	138	+ 436	7436				.330	.016	-.314		7000	436		0.19
	Apr.	7000	100	366	- 266	6734	124	121	122.5	.405	.057	-.348	- 43	6691	0		0.68
	May.	6691	7	267	- 260	6431	120	117	118.5	.489	.015	-.474	- 56	6375	0		0.18
	Jun.	6375	19	378	- 359	6016	117	113	115.	.580	.036	-.544	- 63	5953	0		0.43
	Jul.	5953	0	363	- 363	5590	112	108	110.	.642	0	-.642	- 71	5519	0		0
	Aug.	5519	0	291	- 291	5228	107	104	105.5	.666	0	-.666	- 70	5158	0		0
	Sep.	5128	0	309	- 309	4849	103	100	101.5	.648	0	-.648	- 66	4783	0		0
	Oct.	4783	0	276	- 276	4507	99	94	96.5	.502	.084	-.418	- 40	4467	0		1.01
	Nov.	4467	0	300	- 300	4167	94	91	92.5	.313	0	-.313	- 29	4138	0		0
	Dec.	4183	2889	153	+2736	6874	90	123	106.5	.240	.731	+ .491	+ 52	6926	0		8.77
1934	Jan.	6926	4360	9	+4351	11277				.225	.342	+ .117		7000	4277		4.10
	Feb.	7000	1600	153	+1447	8447				.230	.365	+ .135		7000	1447		4.38
	Mar.	7000	1310	24	+1286	8286				.330	.010	-.320		7000	1286		0.12
	Apr.	7000	194	321	- 127	6873	124	123	123.5	.405	0	-.405	- 50	6823	0		0
	May.	6823	0	390	- 390	6433	122	117	119.5	.489	0	-.489	- 58	6375	0		0
	Jun.	6375	0	303	- 303	6072	117	114	115.5	.580	.025	-.555	- 64	6008	0		0.30
	Jul.	6008	0	408	- 408	5600	113	108	110.5	.642	0	-.642	- 71	5529	0		0
	Aug.	5529	0	405	- 405	5124	107	103	105.	.666	0	-.666	- 70	5054	0		Tr.
	Sep.	5054	0	351	- 351	4703	102	99	100.5	.648	.004	-.644	- 65	4638	0		0.05
	Oct.	4638	485	372	+113	4751	96	98	97.	.502	.188	-.314	- 30	4721	0		2.26
	Nov.	4721	222	228	- 6	4715	97	97	97.	.313	.248	-.065	- 6	4709	0		2.97
	Dec.	4709	1900	36	+1864	6573	97	119	108.	.240	.587	+ .347	+ 37	6610	0		7.04
1935	Jan.	6610	7360	15	+7345	13955				.225	.437	+ .212		7000	6955		5.24
	Feb.	7000	2290	18	+2272	9272				.230	.131	-.099		7000	2272		1.57
	Mar.	7000	3350	12	+3338	10338				.330	.376	+ .046		7000	3338		4.51
	Apr.	7000	5520	12	+5508	12508				.405	.363	-.042		7000	5508		4.36
	May.	7000	2026	57	+1969	8969				.489	0	-.489		7000	1969		0
	Jun.	7000	695	408	+ 287	7287				.580	0	-.580		7000	287		0
	Jul.	7000	249	465	- 216	6784	124	122	123.	.642	.008	-.634	- 78	6706	0		0.10
	Aug.	6706	39	462	- 423	6283	120	116	118.	.666	.003	-.663	- 78	6205	0		0.04
	Sep.	6205	0	438	- 438	5767	115	110	112.5	.648	0	-.648	- 73	5694	0		Tr.
	Oct.	5694	0	423	- 423	5271	109	105	107.	.502	.016	-.486	- 52	5219	0		0.19
	Nov.	5219	0	384	- 384	4835	104	99	101.5	.313	.068	-.245	- 25	4810	0		0.82
	Dec.	4810	13	306	- 293	4517	99	94	96.5	.240	.161	-.079	- 8	4509	0		1.93

TABLE 11 Cont.
Operation of Matilija Reservoir - 3000 Acre-feet draft - Capacity 7000 Acre-feet.

Year	Storage		Inflow Ac-ft	Draft Ac-ft	Difference between Col. 3&4 Ac-ft	Storage without Evap. Ac-ft	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft		Rainfall at Sheldon Rch. Inches
	1st of Month	Ac-ft					1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col. 10-11 Feet	Net loss Col. 9x12 Ac-ft				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1936	Jan.	4509	370	252	+ 118	4627	94	96	95.	.225	.012	-.213	- 20	4607	0		0.14
	Feb.	4607	6680	66	+ 6614	11221				.230	1.226	+ .996		7000	4221		14.71
	Mar.	7000	1930	9	+ 1921	8921				.330	.222	-.108		7000	1921		2.67
	Apr.	7000	1160	18	+ 1142	8142				.405	.078	-.327		7000	1142		0.94
	May.	7000	188	255	- 67	6923	124	123	123.5	.489	0	-.489	- 60	6873	0		0
	Jun.	6873	11	414	- 403	6470	123	118	120.5	.580	0	-.580	- 70	6400	0		0
	Jul.	6400	0	447	- 447	5953	117	112	114.5	.642	0	-.642	- 74	5879	0		0
	Aug.	5879	0	390	- 390	5489	112	107	109.5	.666	.036	-.630	- 69	5420	0		0.43
	Sep.	5420	0	375	- 375	5045	106	102	104.	.648	0	-.648	- 67	4978	0		0
	Oct.	4978	367	279	+ 88	5066	102	102	102.5	.502	.332	-.170	- 17	5049	0		3.98
	Nov.	5049	163	207	- 44	5005	102	102	102.	.313	0	-.313	- 32	4973	0		0
	Dec.	4973	1932	288	+ 1644	6617	101	119	110.	.240	.892	+ .652	+ 72	6689	0		10.71
1937	Jan.	6689	2450	18	+ 2432	9121				.225	.385	+ .160		7000	2121		4.62
	Feb.	7000	14510	27	+ 14483	21483				.230	.822	+ .592		7000	14483		9.86
	Mar.	7000	18360	18	+ 18342	25342				.330	.537	+ .207		7000	18342		6.44
	Apr.	7000	6850	36	+ 6814	13814				.405	.007	-.398		7000	6814		0.08
	May.	7000	2810	435	+ 2375	9375				.489	.020	-.469		7000	2375		0.25
	Jun.	7000	1330	372	+ 958	7958				.580	0	-.580		7000	958		0
	Jul.	7000	583	441	+ 142	7142				.642	0	-.642		7000	142		0
	Aug.	7000	101	354	- 253	6747	124	121	122.5	.666	0	-.666	- 82	6665	0		0
	Sep.	6665	0	429	- 429	6236	120	115	117.5	.648	0	-.648	- 76	6160	0		0
	Oct.	6160	0	387	- 387	5773	115	110	112.5	.502	.017	-.485	- 55	5718	0		0.20
	Nov.	5718	0	333	- 333	5385	109	106	107.5	.313	0	-.313	- 34	5351	0		0
	Dec.	5351	938	150	+ 788	6139	106	114	110.	.240	.818	+ .578	+ 64	6203	0		9.81
1938	Jan.	6203	716	57	+ 659	6862	115	123	119.	.225	.097	-.128	- 15	6847	0		1.16
	Feb.	6847	16260	27	+ 16233	23080				.230	1.156	+ .926		7000	16080		13.87
	Mar.	7000	48170	24	+ 48146	55146				.330	1.397	+ 1.067		7000	48146		16.77
	Apr.	7000	6150	72	+ 6078	13078				.405	.138	-.267		7000	6078		1.66
	May.	7000	3460	366	+ 3094	10094				.489	.003	-.486		7000	3094		0.04
	Jun.	7000	1848	381	+ 1467	8467				.580	0	-.580		7000	1467		0
	Jul.	7000	979	384	+ 595	7595				.642	0	-.642		7000	595		0
	Aug.	7000	437	396	+ 41	7041	124	124	124.	.666	0	-.666	- 83	6958	0		0
	Sep.	6958	154	408	- 254	6704	124	120	122	.648	.016	-.632	- 77	6627	0		0.19
	Oct.	6627	162	324	- 162	6465	119	118	118.5	.502	.005	-.497	- 59	6406	0		0.06
	Nov.	6406	141	363	- 222	6184	117	115	116.	.313	.016	-.297	- 34	6150	0		0.19
	Dec.	6150	1736	198	+ 1538	7688				.240	.527	+ .287		7000	688		6.33

TABLE 11 Cont.
Operation of Matilija Reservoir - 3000 Acre-feet draft - Capacity 7000 Acre-feet.

Year	Storage		Inflow	Draft	Difference between Col. 3 & 4	Storage without Evap.	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft		Rainfall
	1st of Month						1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col. 10-11 Feet	Net loss Col. 9x12 Ac-ft				
	Month	Ac-ft															
	1	2	3-	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1939	Jan.	7000	2020	27	+ 1993	8993				.225	.294	+ .069		7000	1993		3.53
	Feb.	7000	1610	21	+ 1589	8589				.230	.097	-.133		7000	1589		1.17
	Mar.	7000	2880	27	+ 2853	9853				.330	.216	-.114		7000	2853		2.59
	Apr.	7000	1052	63	+ 989	7989				.405	.024	-.381		7000	989		0.29
	May	7000	363	396	- 33	6967	124	124	124.	.489	.026	-.463	- 57	6910	0		0.31
	Jun.	6910	4	279	- 275	6635	123	119	121.	.580	0	-.580	- 70	6565	0		0
	Jul.	6565	0	438	- 438	6127	119	114	116.5	.642	0	-.642	- 75	6052	0		0
	Aug.	6052	0	345	- 345	5707	114	109	116.5	.666	0	-.666	- 74	5633	0		0
	Sep.	5633	58	432	- 374	5259	108	105	106.5	.648	.098	-.550	- 59	5200	0		1.17
	Oct.	5200	0	321	- 321	4879	104	100	102.	.502	.019	-.483	- 49	4830	0		0.23
	Nov.	4870	0	393	- 393	4437	100	93	96.5	.313	.007	-.306	- 30	4407	0		0.09
	Dec.	4407	0	258	- 258	4149	93	90	91.5	.240	.103	-.137	- 13	4136	0		1.24
1940	Jan.	4136	761	45	+ 716	4852	90	100	95.	.225	.493	+ .268	+ 25	4877	0		5.91
	Feb.	4877	2140	33	+ 2707	7584				.230	.697	+ .467		7000	584		8.36
	Mar.	7000	1750	45	+ 1705	8705				.330	.155	-.175		7000	1705		1.86
	Apr.	7000	895	84	+ 811	7811				.405	.128	-.277		7000	811		1.53
	May	7000	52	303	- 251	6749	124	121	122.5	.489	.021	-.468	- 57	6692	0		0.25
	Jun.	6692	0	348	- 348	6344	120	116	118.	.580	0	-.580	- 68	6276	0		0
	Jul.	6276	0	417	- 417	5859	116	112	114.	.642	0	-.642	- 73	5786	0		0
	Aug.	5786	0	396	- 396	5390	111	106	108.5	.666	0	-.666	- 72	5318	0		0
	Sep.	5318	0	399	- 399	4919	105	100	102.5	.648	0	-.648	- 66	4853	0		0
	Oct.	4853	0	429	- 429	4424	100	93	96.5	.502	.096	-.406	- 39	4385	0		1.15
	Nov.	4385	0	267	- 267	4118	93	90	91.5	.313	.041	-.272	- 25	4093	0		0.50
	Dec.	4093	2822	234	+ 2588	6681	90	120	105.	.240	.860	+ .620	+ 65	6746	0		10.32
1941	Jan.	6746	8970	33	+ 8937	15683				.225	.674	+ .449		7000	8683		8.09
	Feb.	7000	29450	27	+ 29423	36423				.230	1.022	+ .792		7000	29423		12.26
	Mar.	7000	44780	36	+ 44744	51744				.330	.946	+ .616		7000	44744		11.35
	Apr.	7000	25040	42	+ 24998	31998				.405	.510	+ .105		7000	24998		6.12
	May	7000	6520	84	+ 6436	13436				.489	0	-.489		7000	6436		0
	Jun.	7000	3020	414	+ 2606	9606				.580	0	-.580		7000	2606		0
	Jul.	7000	1992	489	+ 1503	8503				.642	0	-.642		7000	1503		0
	Aug.	7000	1062	438	+ 624	7624				.666	0	-.666		7000	624		0
	Sep.	7000	530	537	+ 43	7043				.648	0	-.648		7000	43		0
	Oct.	7000	529	378	+ 151	7151				.502	.063	-.439		7000	151		0.75
	Nov.	7000	400	372	+ 28	7028				.313	.075	-.238		7000	28		0.90
	Dec.	7000	2190	150	+ 2040	9040				.240	.603	+ .363		7000	2040		7.24

TABLE 11 Cont.

Operation of Matilija Reservoir - 3000 Acre-feet draft - Capacity 7000 Acre-feet.

Year	Storage		Inflow Ac-ft	Draft Ac-ft	Difference between Col. 3 & 4 Ac-ft	Storage without Evap. Ac-ft	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft		Rainfall at Sheldon Rch. Inches
	1st of Month	Ac-ft					1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col. 10-11 Feet	Net loss Col. 9x12 Ac-ft				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1942	Jan.	7000	1690	33	+ 1657	8657				.225	.160	-.065		7000	1657		1.92
	Feb.	7000	988	135	+ 853	7853				.230	.078	-.152		7000	853		0.94
	Mar.	7000	1020	216	+ 804	7804				.330	.148	-.182		7000	804		1.78
	Apr.	7000	2600	90	+ 2510	9510				.405	.460	+ .055		7000	2510		5.52
	May.	7000	1054	279	+ 775	7775				.489	0	-.489		7000	775		0
	Jun.	7000	245	360	- 115	6885	124	123	123.5	.580	0	-.580	- 72	6813	0		0
	Jul.	6813	0	378	- 378	6435	122	117	119.5	.642	0	-.642	- 77	6358	0		0
	Aug.	6358	0	330	- 330	6028	117	113	115.	.666	.002	-.664	- 76	5952	0		0.02
	Sep.	5952	0	381	- 381	5571	112	108	110.	.648	0	-.648	- 71	5500	0		0
	Oct.	5500	0	288	- 288	5212	107	104	105.5	.502	.072	-.430	- 45	5167	0		0.87
	Nov.	5167	0	255	- 255	4912	104	100	102.	.313	.016	-.297	- 30	4882	0		0.19
	Dec.	4882	0	255	- 255	4627	100	96	98.	.240	.074	-.166	- 16	4611	0		0.89
1943	Jan.	4611	17448	201	+ 17247	21858				.225	1.883	+ 1.658		7000	14858		22.59
	Feb.	7000	12610	27	+ 12583	19583				.230	.397	+ .167		7000	12583		4.76
	Mar.	7000	19740	24	+ 19716	26716				.330	.556	+ .226		7000	19716		6.67
	Apr.	7000	3720	54	+ 3666	10666				.405	.042	-.363		7000	3666		0.51
	May.	7000	2270	321	+ 1949	8949				.489	0	-.489		7000	1949		0
	Jun.	7000	945	381	+ 564	7564				.580	0	-.580		7000	564		0
	Jul.	7000	381	405	- 24	6976	124	124	124.	.642	0	-.642	- 80	6896	0		0
	Aug.	6896	38	387	- 349	6547	123	118	120.5	.666	0	-.666	- 80	6467	0		0
	Sep.	6467	0	429	- 429	6038	118	113	115.5	.648	0	-.648	- 75	5963	0		0
	Oct.	5963	0	324	- 324	5639	113	108	110.5	.502	.037	-.465	- 51	5588	0		0.45
	Nov.	5588	0	321	- 321	5267	108	105	106.5	.313	.006	-.307	- 33	5234	0		0.07
	Dec.	5234	993	126	+ 867	6101	104	114	109.	.240	.628	+ .388	+ 42	6143	0		7.54
1944	Jan.	6143	1190	39	+ 1151	7294				.225	.143	-.082		7000	294		1.72
	Feb.	7000	10780	33	+ 10747	17747				.230	1.012	+ .782		7000	10747		12.14
	Mar.	7000	14500	36	+ 14464	21464				.330	.162	-.168		7000	14464		1.94
	Apr.	7000	3880	147	+ 3733	10733				.405	.092	-.313		7000	3733		1.10
	May.	7000	2210	285	+ 1925	8925				.489	0	-.489		7000	1925		0
	Jun.	7000	1172	453	+ 719	7719				.580	.003	-.577		7000	719		0.04
	Jul.	7000	448	459	- 11	6989	124	124	124	.642	0	-.642	- 80	6909	0		0
	Aug.	6909	45	483	- 438	6471	123	118	120.5	.666	0	-.666	- 80	6391	0		0
	Sep.	6391	0	480	- 480	5911	117	112	114.5	.648	0	-.648	- 74	5837	0		0
	Oct.	5837	0	447	- 447	5390	111	106	108.5	.502	0	-.502	- 54	5336	0		0
	Nov.	5336	960	42	+ 918	6254	105	116	110.5	.313	.577	+ .264	+ 29	6283	0		6.92
	Dec.	6283	698	96	+ 602	6885	116	123	119.5	.240	.072	-.168	- 20	6865	0		0.87

TABLE 11 Cont.

Operation of Matilija Reservoir - 3000 Acre-feet draft - Capacity 7000 Acre-feet.

Year	Storage		Inflow Ac-ft	Draft Ac-ft	Difference between Col. 3 & 4 Ac-ft	Storage without Evap. Ac-ft	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft		Rainfall at Sheldon Rch. Inches
	1st of Month	Ac-ft					1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col. 10-11 Feet	Net loss Col. 9 & 12 Ac-ft				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1945	Jan.	6865	167	279	- 112	6753	123	121	122	.225	.107	-.118	-.14	6739	0		1.29
	Feb.	6739	4990	21	+4969	11708				.230	.836	+.606		7000	4708		10.03
	Mar.	7000	2380	36	+2344	9344				.330	.351	+.021		7000	2344		4.21
	Apr.	7000	1700	30	+1670	8670				.405	0	-.405		7000	1670		0
	May.	7000	710	297	+ 413	7413				.489	.006	-.483		7000	413		0.07
	Jun.	7000	186	363	- 177	6823	124	122	123	.580	.012	-.568	-70	6753	0		0.14
	Jul.	6753	0	333	- 333	6420	121	117	119	.642	0	-.642	-76	6344	0		0
	Aug.	6344	0	438	- 438	5906	116	112	114	.666	0	-.666	-76	5830	0		0
	Sep.	5830	0	348	- 348	5482	111	107	109	.648	0	-.648	-71	5411	0		0
	Oct.	5411	0	405	- 405	5006	106	102	104	.502	.139	-.363	-38	4968	0		1.67
	Nov.	4968	0	249	- 249	4719	101	97	99	.313	.032	-.281	-28	4691	0		0.38
	Dec.	4691	3814	201	+3613	8304					.240	.763	+.523		7000	1304	
1946	Jan.	7000	1140	12	+1128	8128				.225	.020	-.205		7000	1128		0.24
	Feb.	7000	950	24	+ 926	7926				.230	.181	-.049		7000	926		2.18
	Mar.	7000	4784	255	+4529	11529				.330	.507	+.177		7000	4529		6.08
	Apr.	7000	3470	48	+3422	10422				.405	.012	-.393		7000	3422		0.14
	May.	7000	1165	309	+ 856	7856				.489	.013	-.476		7000	856		0.16
	Jun.	7000	308	411	- 103	6897	124	123	123.5	.580	0	-.580	-72	6825	0		0
	Jul.	6825	0	465	- 465	6360	122	117	119.5	.642	.007	-.635	-76	6284	0		0.08
	Aug.	6284	0	432	- 432	5852	116	112	114	.666	0	-.666	-76	5776	0		0
	Sep.	5776	0	438	- 438	5338	111	105	108	.648	0	-.648	-70	5268	0		0
	Oct.																
	Nov.																
	Dec.																
1947	Jan.																
	Feb.																
	Mar.																
	Apr.																
	May.																
	Jun.																
	Jul.																
	Aug.																
	Sep.																
	Oct.																
	Nov.																
	Dec.																

TABLE 12

Operation of Matilija Reservoir - 3000 Acre-feet draft - if a year like 1928-29 followed 1931

Year	Storage 1st of Month		Inflow Ac-ft	Draft Ac-ft	Difference between Col. 3 & 4 Ac-ft	Storage without Evap. Ac-ft	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft		Rainfall Inches
	Month	Ac-ft					1st of Month Acres	End of Month Acres	Average Month Acres	Evap. Feet	Rainfall Feet	Net loss Col 10-11 Feet	Net loss Col 9 & 12 Ac-ft				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1931	Jan.	2610	153	72	+81	2691	66	67	66.5	.225	.464	+239	+16	2707			
	Feb.	2707	507	18	+489	3196	67	75	71	.230	.255	+025	+2	3198			
	Mar.	3198	0	213	-213	2985	75	72	73.5	.330	0	-330	-24	2961			
	Apr.	2961	93	357	-264	2697	71	67	69	.405	.317	-088	-6	2691			
	May.	2691	110	126	-16	2675	67	67	67	.489	.156	-333	-22	2653			
	Jun.	2653	0	279	-279	2374	66	64	65	.580	0	-580	-38	2336			
	Jul.	2336	0	462	-462	1874	63	58	60.5	.642	0	-642	-39	1835			
	Aug.	1835	0	408	-408	1427	57	51	54	.666	.042	-624	-34	1393			
	Sep.	1393	0	348	-348	1045	50	42	46	.648	0	-648	-30	1015			
	Oct.	1015	0	357	-357	658	41	33	37	.502	0	-502	-19	639			
	Nov.	639	0	270	-270	369	32	23	27.5	.313	.354	+041	+1	370			
1928	Dec.	370	221	138	+83	453	23	26	24.5	.240	.333	+093	+2	455			
1929	Jan.	455	279	165	+114	569	26	30	28	.225	.199	-026	-1	568			
	Feb.	568	659	45	+614	1182	30	45	37.5	.230	.291	+061	+2	1184			
	Mar.	1184	857	156	+701	1885	45	58	51.5	.330	.250	-080	-4	1881			
	Apr.	1881	747	126	+621	2502	58	65	61.5	.405	.198	-207	-13	2489			
	May.	2489	0	258	-258	2231	65	62	63.5	.489	0	-489	-31	2200			
	Jun.	2200	0	345	-345	1855	62	58	60	.580	.018	-562	-34	1821			
	Jul.	1821	0	387	-387	1434	57	51	54	.642	0	-642	-35	1399			
	Aug.	1399	0	330	-330	1069	50	42	46	.666	0	-666	-31	1038			
	Sep.	1038	0	306	-306	732	42	35	38.5	.648	0	-648	-25	707			
	Oct.	707	0	309	-309	398	34	24	29	.502	0	-502	-15	383			
	Nov.	383	0	291	-291	92				.313	0	-313	Water below outlet (about Nov. 15.)				
	Dec.		0	282	-282					.240	0	-240					
	Jan.																
	Feb.																
	Mar.																
	Apr.																
	May.																
	Jun.																
	Jul.																
	Aug.																
	Sep.																
	Oct.																
	Nov.																
	Dec.																

TABLE 13

Operation of Matilija Reservoir- 2800 Acre-feet draft - If a year like 1928-29 followed 1931

Year	Storage		Inflow Ac-ft	Draft Ac-ft	Difference between Col. 3 & 4 Ac-ft	Storage without Evap. Ac-ft	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft		Rainfall Inches.
	1st of Month						1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col 10-11 Feet	Net loss Col. 9x12 Ac-ft				
	Month	Ac-ft															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1927	Jan																
	Feb																
	Mar																
	Apr																
	May	7000	433	300	+133	7133				489	0	-489		7000	133		
	Jun.	7000	85	467	-382	6618	124	119	121.5	.580	0	-580	-70	6548			
	Jul.	6548	0	440	-440	6108	118	114	116.	.642	0	-.642	-74	6034			
	Aug.	6034	0	333	-333	5701	113	109	111.	.666	0	-.666	-74	5627			
	Sep.	5627	0	426	-426	5201	108	104	106.	.648	0	-.648	-69	5132			
	Oct.	5132	0	314	-314	4818	103	99	101.	.502	.208	-.294	-30	4788			
	Nov.	4788	387	146	+241	5029	99	102	100.5	.313	.176	-.137	-14	5015			
	Dec.	5015	575	204	+371	5386	103	106	104.5	.240	.177	-.063	-7	5379			
1928	Jan.	5379	498	179	+319	5698	106	109	107.5	.225	0	-.225	-24	5674			
	Feb.	5674	1213	182	+1031	6705	109	120	114.5	.230	.250	+0.020	+2	6707			
	Mar	6707	1104	140	+964	7671				.330	.312	-.018		7000	671		
	Apr.	7000	68	297	-229	6771	124	121	122.5	.405	.042	-.363	-44	6727			
	May.	6727	0	339	-339	6388	121	117	119.	.489	.063	-.426	-51	6337			
	Jun	6337	0	280	-280	6057	116	114	115.	.580	0	-.580	-67	5990			
	Jul	5990	0	300	-300	5690	113	109	111.	.642	0	-.642	-71	5619			
	Aug.	5619	0	283	-283	5336	108	105	106.5	.666	0	-.666	-71	5265			
	Sep.	5265	0	288	-288	4977	105	102	103.5	.648	0	-.648	-67	4910			
	Oct	4910	0	207	-207	4703	100	97	98.5	.502	0	-.502	-49	4654			
	Nov	4654	0	176	-176	4478	97	94	95.5	.313	.318	+0.005	0	4478			
	Dec.	4478	221	129	+92	4570	94	95	94.5	.240	.333	+0.093	+9	4579			
1929	Jan	4579	279	154	+125	4704	96	97	96.5	.225	.199	-.026	-3	4701			
	Feb	4701	659	42	+617	5318	97	105	101.	.230	.291	+0.061	+6	5324			
	Mar	5324	857	145	+712	6036	105	113	109.	.330	.250	-.080	-9	6027			
	Apr	6027	747	118	+629	6656	113	120	116.5	.405	.198	-.207	-24	6632			
	May	6632	0	241	-241	6391	119	117	118.	.489	0	-.489	-58	6333			
	Jun.	6333	0	322	-322	6011	116	113	104.5	.580	.018	-.562	-59	5952			
	Jul.	5952	0	361	-361	5591	112	108	110.	.642	0	-.642	-71	5520			
	Aug	5520	0	308	-308	5212	107	104	105.5	.666	0	-.666	-70	5142			
	Sep	5142	0	286	-286	4856	103	100	101.5	.648	0	-.648	-65	4791			
	Oct	4791	0	288	-288	4503	99	94	96.5	.502	0	-.502	-48	4455			
	Nov	4455	0	272	-272	4183	94	91	92.5	.313	0	-.313	-29	4154			
	Dec	4154	0	263	-263	3891	90	87	88.5	.240	0	-.240	-21	3870			

TABLE 13 Cont.

Operation of Matilija Reservoir - 2800 Acre-feet draft - If a year like 1928-29 followed 1931.

Year	Storage		Inflow	Draft	Difference between Col. 3 & 4	Storage without Evap.	Area of water Surface			Evaporation and Rainfall				Storage end of Month	Flow over Dam		Rainfall
	1st of Month						1st of Month Acres	End of Month Acres	Average Month Acres	Evap. Feet	Rainfall Feet	Net loss Col. 10-11 Feet	Net loss Col. 9 & 12 Ac-ft				
	Month	Ac-ft															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1930	Jan.	3870	251	81	+170	4040	86	89	87.5	.225	.552	+327	+29	4069			
	Feb.	4069	296	84	+212	4281	89	92	90.5	.230	.177	-0.53	-5	4276			
	Mar.	4276	1620	92	+1528	5804	92	111	101.5	.330	.563	+233	+24	5828			
	Apr.	5828	259	213	+46	5874	111	112	111.5	.405	.021	-.384	-43	5831			
	May.	5831	0	269	-269	5562	111	108	109.5	.489	.083	-.406	-44	5518			
	Jun.	5518	0	322	-322	5196	107	104	105.5	.580	0	-.580	-61	5135			
	Jul.	5135	0	330	-330	4805	103	99	101.	.642	0	-.642	-65	4740			
	Aug.	4740	0	325	-325	4415	98	93	95.5	.666	0	-.666	-64	4351			
	Sep.	4351	0	297	-297	4054	92	89	90.5	.648	0	-.648	-59	3995			
	Oct.	3995	0	314	-314	3681	88	83	85.5	.502	.032	-.470	-40	3641			
	Nov.	3641	0	246	-246	3395	82	79	80.5	.313	.187	-.126	-10	3385			
	Dec.	3385	0	227	-227	3158	79	74	76.5	.240	0	-.240	-18	3140			
1931	Jan.	3140	153	67	+86	3226	74	75	74.5	.225	.464	+239	+18	3244			
	Feb.	3244	507	17	+490	3734	76	84	80.	.230	.255	+0.25	+2	3736			
	Mar.	3736	0	199	-199	3537	84	81	82.5	.330	0	-.330	-27	3510			
	Apr.	3510	93	333	-240	3270	80	76	78.	.405	.317	-.088	-7	3263			
	May.	3263	110	118	-8	3255	76	76	76.	.489	.156	-.333	-25	3230			
	Jun.	3230	0	260	-260	2970	76	71	73.5	.580	0	-.580	-43	2927			
	Jul.	2927	0	431	-431	2496	71	65	68.	.642	0	-.642	-44	2452			
	Aug.	2452	0	381	-381	2071	64	60	62.	.666	.042	-.624	-39	2032			
	Sep.	2032	0	325	-325	1707	59	56	57.5	.648	0	-.648	-37	1670			
	Oct.	1670	0	333	-333	1337	55	49	52.	.502	0	-.502	-26	1311			
	Nov.	1311	0	252	-252	1059	48	42	45	.313	.354	+0.41	+2	1061			
1928	Dec.	1061	221	84	+137	1198	42	46	44	.240	.333	+0.93	+4	1202			
1929	Jan.	1202	279	154	+125	1327	46	49	47.5	.225	.199	-.026	-1	1326			
	Feb.	1326	659	42	+617	1943	49	58	53.5	.230	.291	+0.61	+3	1946			
	Mar.	1946	857	145	+712	2658	58	67	62.5	.330	.250	-.080	-5	2653			
	Apr.	2653	747	118	+629	3282	66	77	71.5	.405	.198	-.207	-15	3267			
	May.	3267	0	241	-241	3026	76	72	74.	.489	0	-.489	-36	2990			
	Jun.	2990	0	322	-322	2668	72	67	69.5	.580	.018	-.562	-39	2629			
	Jul.	2629	0	361	-361	2268	66	63	64.5	.642	0	-.642	-41	2227			
	Aug.	2227	0	308	-308	1919	62	58	60.5	.666	0	-.666	-40	1879			
	Sep.	1879	0	286	-286	1593	58	54	56.	.648	0	-.648	-36	1557			
	Oct.	1557	0	288	-288	1269	53	47	50.	.502	0	-.502	-25	1244			
	Nov.	1244	0	272	-272	972	47	40	43.5	.313	0	-.313	-14	958			
	Dec.	958	0	263	-263	695	40	34	37.	.240	0	-.240	-9	686			

TABLE 14

Operation of Katilija Reservoir, 2100 Acre-feet draft, beginning November 1, 1927, with reservoir empty.

Sheet No. 1

Year	Storage		Inflow Ac-ft	Draft Ac-ft	Difference between Col. 3 & 4 Ac-ft	Storage without Evap. Ac-ft	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft		Rainfall at Sheldon Ranch. Inches
	1st of Month						1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col 10-11 Feet	Net loss Col 9x12 Ac-ft				
	Month 1	Ac-ft 2															
1927	Jan																2.13
	Feb																16.75
	Mar																1.88
	Apr																1.38
	May																0
	Jun.																0
	Jul.																0
	Aug.																0
	Sep.																0
	Oct.																2.50
	Nov.	250	387	109	+ 278	528	18	29	23.5	.313	.176	-.137	-3	525			2.12
	Dec.	525	575	153	+ 422	947	29	40	34.5	.240	.177	-.063	-2	945			2.12
1928	Jan.	945	498	134	+ 364	1309	40	48	44.	.225	0	-.225	-10	1299			0
	Feb.	1299	1213	137	+1076	2375	48	64	56.	.230	.250	+0.020	+1	2376			3.00
	Mar	2376	1104	105	+ 999	3375	64	78	71.	.330	.312	-.018	-1	3374			3.75
	Apr.	3374	68	223	-155	3219	78	75	76.5	.405	.042	-.363	-28	3191			.50
	May.	3191	0	254	-254	2937	75	71	73.	.489	.063	-.426	-31	2906			.75
	Jun.	2906	0	210	-210	2696	70	67	68.5	.580	0	-.580	-40	2656			0
	Jul.	2656	0	225	-225	2431	67	64	65.5	.642	0	-.642	-42	2389			0
	Aug.	2389	0	212	-212	2177	64	62	63.	.666	0	-.666	-42	2135			0
	Sep.	2135	0	216	-216	1919	61	58	59.5	.648	0	-.648	-39	1880			0
	Oct.	1880	0	155	-155	1725	58	56	57.	.502	0	-.502	-29	1696			0
	Nov.	1696	0	132	-132	1564	56	53	54.5	.313	.318	+0.005	0	1564			3.81
	Dec.	1564	221	97	+124	1688	53	56	54.5	.240	.333	+0.093	+5	1693			4.00
1929	Jan.	1693	279	116	+163	1856	56	58	57.	.225	.199	-.026	+1	1857			2.38
	Feb	1857	659	31	+628	2485	58	65	61.5	.230	.291	+0.061	+4	2489			3.49
	Mar	2489	857	109	+748	3237	65	76	70.5	.330	.250	-.080	-6	3231			3.00
	Apr	3231	747	88	+659	3890	76	87	81.5	.405	.198	-.207	-17	3873			2.38
	May.	3873	0	181	-181	3692	86	83	84.5	.489	0	-.489	-41	3651			0
	Jun.	3651	0	242	-242	3409	82	79	80.5	.580	.018	-.562	-45	3364			.22
	Jul.	3364	0	271	-271	3093	78	73	75.5	.642	0	-.642	-48	3045			0
	Aug	3045	0	231	-231	2814	72	68	70.	.666	0	-.666	-47	2767			0
	Sep	2767	0	214	-214	2553	68	66	67.	.648	0	-.648	-43	2510			0
	Oct	2510	0	216	-216	2294	65	63	64.	.502	0	-.502	-32	2262			0
	Nov.	2262	0	204	-204	2058	63	60	61.5	.313	0	-.313	-19	2039			0
	Dec.	2039	0	197	-197	1842	59	57	58.	.240	0	-.240	-14	1828			0

TABLE 14 Cont.

Operation of Matilija Reservoir, 2100 Acre-feet draft, beginning November 1, 1927, with reservoir empty.

Sheet No. 2

Year	Storage		Inflow	Draft	Difference between Col. 3 & 4	Storage without Evap.	Area of water Surface			Evaporation and Rainfall				Storage end of Month	Flow over Dam	16	Rainfall at Sheldon Ranch. Inches
	1st of Month	Ac-ft					1st of Month	End of Month	Average Month	Evap. & Seepage	Rainfall	Net loss Col 10-11	Net loss Col 9x12				
	Month	2	3	4	5	6	7	8	9	10	11	12	13	14	15		17
1930	Jan	1828	251	61	+190	2018	57	59	58	.225	.552	+327	+19	2037			6.62
	Feb	2037	296	63	+233	2270	59	63	61	.230	.177	-.053	-3	2267			2.12
	Mar	2267	1620	69	+1551	3818	63	85	74	.330	.563	+233	+17	3835			6.76
	Apr	3835	259	160	+99	3934	86	87	86.5	.405	.021	-.384	-33	3901			.25
	May	3901	0	202	-202	3699	87	83	85	.489	.083	-.406	-35	3664			1.00
	Jun	3664	0	241	-241	3423	83	79	81	.580	0	-.580	-47	3376			0
	Jul	3376	0	248	-248	3128	79	74	76.5	.642	0	-.642	-49	3079			0
	Aug	3079	0	243	-243	2836	73	69	71	.666	0	-.666	-47	2789			0
	Sep	2789	0	223	-223	2566	68	66	67	.648	0	-.648	-43	2523			0
	Oct	2523	0	235	-235	2288	65	63	64	.502	.032	-.470	-30	2258			.38
	Nov	2258	0	185	-185	2073	63	60	61.5	.313	.187	-.126	-08	2065			2.25
	Dec	2065	0	170	-170	1895	60	58	59	.240	0	-.240	-15	1880			0
1931	Jan	1880	153	50	+103	1983	58	59	58.5	.225	.464	+239	+14	1997			5.57
	Feb	1997	507	13	+494	2491	59	65	62	.230	.255	+025	+2	2493			3.06
	Mar	2493	0	149	-149	2344	65	64	64.5	.330	0	-.330	-21	2323			0
	Apr	2323	93	250	-157	2166	63	61	62	.405	.317	-.088	-5	2161			3.81
	May	2161	110	88	+22	2183	61	62	61.5	.489	.156	-.333	-20	2163			1.87
	Jun	2163	0	195	-195	1968	61	59	60	.580	0	-.580	-35	1933			0
	Jul	1933	0	323	-323	1610	58	54	56	.642	0	-.642	-36	1574			0
	Aug	1574	0	286	-286	1288	54	48	51	.666	.042	-.624	-32	1256			.50
	Sep	1256	0	244	-244	1012	47	41	44	.648	0	-.648	-28	984			0
	Oct	984	0	250	-250	734	41	35	38	.502	0	-.502	-19	715			0
	Nov	715	0	189	-189	526	34	29	31.5	.313	.354	+041	+1	527			4.25
	Dec	527	2840	63	+2777	3304	29	77	53	.240	.984	+744	+39	3343			11.80
1932	Jan	3343	1570	19	+1551	4894	78	100	89	.225	.190	-.035	-17	4877			2.28
	Feb	4877	15,300	6	+15,294	20,171				.230	.885	+655		7000	13,171		10.62
	Mar	7000	2410	44	+2366	9366				.330	0	-.330		7000	2366		0
	Apr	7000	892	262	+630	7630				.405	.050	-.355		7000	630		.60
	May	7000	330	242	+88	7088				.489	0	-.489		7000	88		0
	Jun	7000	30	237	-207	6793	124	122	123	.580	0	-.580	-71	6722			0
	Jul	6722	0	246	-246	6476	120	118	119	.642	0	-.642	-76	6400			0
	Aug	6400	0	235	-235	6165	117	115	116	.666	0	-.666	-77	6088			0
	Sep	6088	0	189	-189	5899	114	112	113	.648	.008	-.640	-72	5827			.10
	Oct	5827	0	246	-246	5581	111	108	109.5	.502	0	-.502	-55	5526			0
	Nov	5526	0	210	-210	5316	107	105	106	.313	0	-.313	-33	5283			0
	Dec	5283	0	164	-164	5119	105	103	104	.240	.053	-.187	-19	5100			.64

TABLE 15.

Operation of Casitas Reservoir - 3000 Acre-feet draft - Capacity 22,500 Acre-feet.

Year	Storage		Inflow Ac-ft	Draft Ac-ft	Difference between Col. 3 & 4 Ac-ft	Storage without Evap. Ac-ft	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft	Vacant Storage above W.S. Ac-ft.	Rainfall at Casitas Res. Inches.
	1st of Month	Month					1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col. 10-11 Feet	Net loss Col. 9x12 Ac-ft				
1925	Jan.	12	125							.375							
	Feb.		221							.380							
	Mar.		230							.480							
	Apr.		74							.555							
	May.		20							.639							
	Jun.		7							.730							
	Jul.		4							.792							0
	Aug.		2							.816							0
	Sep.		2							.798							0
	Oct.		39							.652	.063						.75
	Nov.		36							.463	.083						1.00
	Dec.	90	1005	180	+ 825	915	16	89	52.5	.390	.202	-.188	- 10	905	0	21,595	2.42
1926	Jan.	905	2057	150	+1907	2812	88	177	132.5	.375	.226	-.149	- 20	2792	0	19,708	2.71
	Feb.	2792	3628	150	+3478	6270	177	269	273.0	.380	.504	+124	+34	6304	0	16,196	6.05
	Mar.	6304	3777	180	+3597	9901	270	336	303.0	.480	.054	-.426	-129	9772	0	12,728	.65
	Apr.	9772	1218	210	+1008	10,780	333	352	342.5	.555	1.000	+445	+152	10,932	0	11,568	18.00
	May.	10,932	305	240	+ 65	10,997	355	356	355.5	.639	.014	-.625	- 222	10,775	0	11,725	.16
	Jun.	10,775	118	330	- 212	10,563	352	348	350.0	.730	0	-.730	- 256	10,307	0	12,193	0
	Jul.	10,307	61	360	- 299	10,008	343	338	340.5	.792	0	-.792	- 270	9,738	0	12,762	0
	Aug.	9,738	32	360	- 328	9,410	333	327	330.0	.816	0	-.816	- 269	9,141	0	13,359	0
	Sep.	9,141	24	330	- 306	8,835	322	317	319.5	.798	0	-.798	- 255	8,580	0	13,920	0
	Oct.	8,580	48	270	- 222	8,358	312	309	310.5	.652	.016	-.636	- 197	8,161	0	14,339	.19
	Nov.	8,161	45	240	- 195	7,966	304	300	302.0	.463	.694	+231	+ 70	8,036	0	14,464	8.33
	Dec.	8,036	1259	180	+1079	9,115	302	321	311.5	.390	.108	-.282	- 88	9,027	0	13,473	1.30
1927	Jan.	9,027	2576	150	+2426	11,453	320	364	342.0	.375	.170	-.205	- 70	11,383	0	11,117	2.04
	Feb.	11,383	4542	150	+4392	15,775	363	438	400.5	.380	1.162	+782	+313	16,088	0	6,412	13.94
	Mar.	16,088	4728	180	+4548	20,636	441	514	477.5	.480	.231	-.249	- 119	20,517	0	1983	2.77
	Apr.	20,517	1526	210	+1316	21,833	512	533	522.5	.555	0	-.555	- 290	21,543	0	957	0
	May.	21,543	382	240	+ 142	21,685	528	531	529.5	.639	0	-.639	- 338	21,347	0	1153	0
	Jun.	21,347	147	330	- 183	21,164	525	523	524.0	.730	0	-.730	- 382	20,782	0	1718	0
	Jul.	20,782	77	360	- 283	20,499	517	512	514.5	.792	0	-.792	- 407	20,092	0	2408	0
	Aug.	20,092	40	360	- 320	19,772	505	501	503.0	.816	0	-.816	- 410	19,362	0	3138	0
	Sep.	19,362	30	330	- 300	19,062	495	490	492.5	.798	0	-.798	- 393	18,669	0	3831	0
	Oct.	18,669	6	270	- 264	18,405	484	480	482.0	.652	.182	-.470	- 227	18,178	0	4322	2.18
	Nov.	18,178	11	240	- 229	17,949	477	473	475.0	.463	.173	-.290	- 138	17,811	0	4689	2.08
	Dec.	17,811	48	180	- 132	17,679	470	469	469.5	.390	.300	-.090	- 42	17,637	0	4863	3.60

TABLE 15 Cont.

Operation of Casitas Reservoir - 3000 Acre-feet draft - Capacity 22,500 Acre-feet

Year	Storage		Inflow Ac-ft	Draft Ac-ft	Difference between Col. 3 & 4 Ac-ft	Storage without Evap. Ac-ft	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft	Vacant Storage above W.S. Ac-ft	Rainfall at Casitas Res. Inches.
	1st of Month						1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col. 10-11 Feet	Net loss Col. 9x12 Ac-ft				
	Month	Ac-ft															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1928	Jan.	17637	58	150	- 92	17545	468	466	467.0	.375	0	-.375	-175	17370	0	5130	0
	Feb.	17370	132	150	- 18	17352	464	463	463.5	.380	.185	-.195	- 90	17262	0	5238	2.22
	Mar.	17262	366	180	+ 186	17448	462	465	463.5	.480	.426	-.054	- 25	17423	0	5077	5.11
	Apr.	17423	55	210	- 155	17268	464	462	463.0	.555	.025	-.530	- 245	17023	0	5477	0.30
	May.	17023	33	240	- 207	16816	458	455	456.5	.639	.047	-.592	- 270	16546	0	5954	0.56
	Jun.	16546	17	330	- 313	16233	449	445	447.0	.730	0	-.730	- 326	15907	0	6593	0
	Jul.	15907	12	360	- 348	15559	440	434	437.0	.792	0	-.792	- 346	15213	0	7287	0
	Aug.	15213	11	360	- 349	14864	428	423	425.5	.816	0	-.816	- 347	14517	0	7983	0
	Sep.	14517	11	330	- 319	14198	417	412	414.5	.798	0	-.798	- 331	13867	0	8633	0
	Oct.	13867	11	270	- 259	13608	406	402	404.0	.652	.004	-.648	- 262	13346	0	9154	0.05
	Nov.	13346	41	240	- 199	13147	398	394	396.0	.463	.324	-.139	- 55	13092	0	9408	3.89
	Dec.	13092	61	180	- 119	12973	394	391	392.5	.390	.420	+ .030	+ 12	12985	0	9515	5.04
1929	Jan.	12985	101	150	- 49	12936	392	390	391.0	.375	.147	-.228	- 89	12847	0	9652	1.76
	Feb.	12847	438	150	+ 288	13135	389	394	390.5	.380	.251	-.129	- 50	13085	0	9414	3.01
	Mar.	13085	415	180	+ 235	13320	394	397	395.5	.480	.188	-.292	- 115	13205	0	9295	2.25
	Apr.	13205	179	210	- 31	13174	395	395	395.0	.555	.147	-.408	- 161	13013	0	9487	1.77
	May.	13013	58	240	- 182	12831	392	389	390.5	.639	0	-.639	- 250	12581	0	9919	0
	Jun.	12581	26	330	- 304	12277	385	380	382.5	.730	0	-.730	- 279	11998	0	10502	0
	Jul.	11998	8	360	- 352	11646	374	368	371.0	.792	0	-.792	- 294	11352	0	11148	0
	Aug.	11352	4	360	- 356	10996	362	356	359.0	.816	0	-.816	- 293	10703	0	11797	0
	Sep.	10703	2	330	- 328	10375	350	345	347.5	.798	.014	-.784	- 272	10103	0	12397	0.17
	Oct.	10103	6	270	- 264	9839	339	335	337.0	.652	0	-.652	- 220	9619	0	12881	0
	Nov.	9619	6	240	- 234	9385	330	327	328.5	.463	0	-.463	- 152	9233	0	13267	0
	Dec.	9233	6	180	- 174	9059	324	320	322.0	.390	0	-.390	- 126	8933	0	13567	0
1930	Jan.	8933	206	150	+ 56	8989	318	319	318.5	.375	.781	+ .406	+ 129	9118	0	13382	9.38
	Feb.	9118	40	150	- 110	9008	321	319	320.0	.380	.121	-.259	- 83	8925	0	13575	1.45
	Mar.	8925	1203	180	+ 1023	9948	318	337	327.5	.480	.375	-.105	- 34	9914	0	12586	4.50
	Apr.	9914	87	210	- 123	9791	336	334	335.0	.555	.011	-.544	- 182	9609	0	12891	0.13
	May.	9609	28	240	- 212	9397	330	327	328.5	.639	.015	-.624	- 205	9192	0	13308	0.18
	Jun.	9192	11	330	- 319	8873	323	317	320.0	.730	0	-.730	- 234	8639	0	13861	0
	Jul.	8639	9	360	- 351	8288	313	307	310.0	.792	0	-.792	- 246	8042	0	14458	0
	Aug.	8042	6	360	- 354	7688	302	296	299.0	.816	0	-.816	- 244	7444	0	15056	0
	Sep.	7444	6	330	- 324	7120	291	285	288.0	.798	0	-.798	- 230	6890	0	15610	0
	Oct.	6890	6	270	- 264	6626	281	275	278.0	.652	0	-.652	- 181	6445	0	16055	0
	Nov.	6445	7	240	- 233	6212	273	268	270.5	.463	.250	-.213	- 58	6154	0	16346	3.00
	Dec.	6154	11	180	- 169	5985	267	264	265.5	.390	0	-.390	- 104	5881	0	16619	0

TABLE 15 Cont.

Operation of Casitas Reservoir - 3000 Acre-feet draft - Capacity 22500 Acre-feet

Year	Storage		Inflow	Draft	Difference between Col. 3 & 4	Storage without Evap.	Area of water Surface			Evaporation and Rainfall				Storage end of Month	Flow over Dam	Vacant Storage above N.S.	Rainfall at Casitas Res.
	1st of Month						1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col. 10-11 Feet	Net loss Col. 9x12 Ac-ft				
	Month 1	Ac-ft 2															
1931	Jan	5881	24	150	- 126	5755	261	258	259.5	.375	.423	+ .048	+ 12	5767	0	16733	5.08
	Feb	5767	230	150	+ 80	5847	258	260	259.0	.380	.287	- .093	- 24	5823	0	16677	3.44
	Mar	5823	38	180	- 142	5681	260	254	257.0	.480	0	- .480	- 123	5558	0	16942	0
	Apr	5558	112	210	- 98	5460	253	251	252.0	.555	.262	- .293	- 74	5386	0	17114	3.14
	May	5386	83	240	- 157	5229	249	246	247.5	.639	.142	- .497	- 123	5106	0	17394	1.70
	Jun	5106	8	330	- 322	4784	242	235	238.5	.730	0	- .730	- 174	4610	0	17890	0
	Jul	4610	3	360	- 357	4253	230	222	226.0	.792	0	- .792	- 179	4074	0	18426	0
	Aug	4074	5	360	- 355	3719	217	208	212.5	.816	.043	- .773	- 164	3555	0	18945	0.52
	Sep	3555	5	330	- 325	3230	203	193	198.0	.798	0	- .798	- 158	3072	0	19428	0
	Oct	3072	6	270	- 264	2808	186	177	181.5	.652	0	- .652	- 118	2690	0	19810	0
	Nov	2690	6	240	- 234	2456	173	165	169.0	.463	.391	- .072	- 12	2444	0	20056	4.69
	Dec	2444	4108	180	+ 3928	6372	164	271	217.5	.390	.978	+ .588	+ 128	6500	0	16000	11.74
1932	Jan	6300	833	150	+ 683	7183	274	286	280	.375	.239	- .136	- 38	7145	0	15355	2.87
	Feb	7145	8272	150	+ 8122	15267	285	429	357	.380	.707	+ .327	+ 117	15384	0	7116	8.48
	Mar	15384	541	180	+ 361	15745	432	437	434.5	.480	.013	- .467	- 203	15542	0	6958	0.15
	Apr	15542	139	210	- 71	15471	434	433	433.5	.555	.025	- .530	- 230	15241	0	7259	0.30
	May	15241	91	240	- 149	15092	429	427	428	.639	.008	- .631	- 270	14822	0	7678	0.10
	Jun	14822	50	330	- 280	14542	422	417	419.5	.730	0	- .730	- 306	14236	0	8264	0
	Jul	14236	35	360	- 325	13911	412	407	409.5	.792	0	- .792	- 324	13587	0	8913	0
	Aug	13587	33	360	- 327	13260	402	396	399	.816	0	- .816	- 326	12934	0	9566	0
	Sep	12934	35	330	- 295	12639	391	386	388.5	.798	.004	- .794	- 308	12331	0	10169	0.05
	Oct	12331	82	270	- 188	12143	380	377	378.5	.652	.043	- .609	- 231	11912	0	10588	0.52
	Nov	11912	98	240	- 142	11770	372	370	371	.463	0	- .463	- 172	11598	0	10902	0
	Dec	11598	107	180	- 73	11525	367	365	366	.390	.083	- .307	- 112	11413	0	11087	1.00
1933	Jan	11413	1455	150	+ 1305	12718	363	387	375	.375	1.000	+ .625	+ 234	12952	0	9548	11.99
	Feb	12952	580	150	+ 430	13382	391	399	395	.380	0	- .380	- 150	13232	0	9268	0
	Mar	13232	352	180	+ 172	13404	396	399	397.5	.480	.032	- .448	- 178	13226	0	9274	0.39
	Apr	13226	208	210	- 2	13224	396	396	396	.555	.016	- .539	- 213	13011	0	9489	0.19
	May	13011	165	240	- 75	12936	392	391	391.5	.639	0	- .639	- 250	12686	0	9814	0
	Jun	12686	130	330	- 200	12486	390	383	386.5	.730	.053	- .677	- 262	12224	0	10276	0.64
	Jul	12224	85	360	- 275	11949	378	373	375.5	.792	0	- .792	- 297	11652	0	10848	0
	Aug	11652	64	360	- 296	11356	368	362	365	.816	0	- .816	- 298	11058	0	11442	0
	Sep	11058	58	330	- 272	10786	357	352	354.5	.798	0	- .798	- 283	10503	0	11997	0
	Oct	10503	6	270	- 264	10239	347	342	344.5	.652	.062	- .590	- 203	10036	0	12464	0.75
	Nov	10036	6	240	- 234	9802	338	334	336	.463	0	- .463	- 156	9646	0	12854	0
	Dec	9646	2500	180	+ 2320	11966	331	373	352	.390	.480	+ .090	+ 32	11998	0	10502	5.76

Overflow at Matilija Res. and Vacant Storage Space at Casitas Res.
Yield of each Res. = 3000 Ac.-ft. per year.

Matilija Reservoir, Capacity 7000 Ac.-ft.				Casitas Res., Capacity 22,500 Ac.-ft.		
Year	Month.	Storage Beg. of Mon. Ac.-ft.	Overflow during Mon. Ac.-ft.	Storage Beg. of Mon. Ac.-ft.	Vacant Space Ac.-ft.	Overflow during Mon. Ac.-ft.
1941	Jan	6,746	8683	15,363	7,137	0
	Feb	7,000	29,423	20,822	1678	9,020
	Mar	7,000	44,744	22,500	0	17,201
	Apr	7,000	24,998	22,500	0	8,541
	May	7,000	6,436	22,500	0	1,414
	Jun	7,000	2,606	22,500	0	0
	Jul	7,000	1,503	22,411	89	0
	Aug	7,000	624	22,037	463	0
	Sep	7,000	43	21,431	1,069	0
	Oct	7,000	151	20,804	1,696	0
	Nov	7,000	28	20,370	2,130	0
	Dec	7,000	2,040	20,053	2,447	0
1942	Jan	7,000	1,657	20,957	1,543	0
	Feb	7,000	853	21,138	1,362	0
	Mar	7,000	804	21,099	1,401	0
	Apr	7,000	2,510	21,053	1,447	0
	May	7,000	775	21,497	1,003	0
	Jun	7,000	0	21,189	1,311	0
	Jul	6,813	0	20,564	1,936	0
	Aug	6,358	0	19,827	2,673	0
	Sep	5,952	0	19,072	3,428	0
	Oct	5,500	0	18,358	4,142	0
	Nov	5,167	0	17,833	4,667	0
	Dec.	4,882	0	17,397	5,103	0
1943	Jan	4,611	14,858	17,101	5,399	7,696
	Feb	7,000	12,583	22,500	0	3,892
	Mar	7,000	19,716	22,500	0	7,942
	Apr	7,000	3,666	22,500	0	796
	May	7,000	1,949	22,500	0	0
	Jun	7,000	564	22,352	148	0
	Jul	7,000	0	21,784	716	0
	Aug	6,896	0	21,079	1,421	0
	Sep	6,467	0	20,325	2,175	0
	Oct	5,963	0	19,608	2,892	0
	Nov	5,588	0	19,060	3,440	0
	Dec.	5,234	0	18,617	3,883	0

Overflow at Matilija Res. and Vacant Storage Space at Casits Res.
Yield of each Res. 3000 Ac.-ft. per year.

Matilija Reservoir Capacity 7000 Ac.-ft.				Casitas Res. Capacity 22,500 Ac.-ft.		
Year	Month.	Storage Beg. of Mon. Ac.-ft.	Overflow during Mon. Ac.-ft.	Storage Beg. of Mon. Ac.-ft.	Vacant Space Ac.-ft.	Overflow during Mon. Ac.-ft.
1944	Jan	6,143	294	18,930	3,570	0
	Feb	7,000	10,747	18,923	3,577	4,036
	Mar	7,000	14,464	22,500	0	4,575
	Apr	7,000	3,733	22,500	0	365
	May	7,000	1,925	22,500	0	0
	Jun	7,000	719	22,202	298	0
	Jul	7,000	0	21,643	857	0
	Aug	6,909	0	20,923	1,577	0
	Sep	6,391	0	20,175	2,325	0
	Oct	5,837	0	19,464	3,036	0
	Nov	5,336	0	18,891	3,609	0
	Dec	6,283	0	18,895	3,605	0
1945	Jan	6,865	0	18,697	3,803	0
	Feb	6,739	4,708	18,480	4,020	105
	Mar	7,000	2,344	22,500	0	1,324
	Apr.	7,000	1670	22,500	0	0
	May	7,000	413	22,444	556	0
	Jun	7,000	0	22,000	500	0
	Jul	6,753	0	21,346	1,154	0
	Aug	6,344	0	20,605	1,895	0
	Sep	5,830	0	19,842	2,658	0
	Oct	5,411	0	19,123	3,377	0
	Nov	4,968	0	18,587	3,913	0
	Dec	4,691	1,304	18,146	4,354	0
1946	Jan	7,000	1,128	19,202	3,298	0
	Feb	7,000	926	19,046	3,454	0
	Mar	7,000	4,529	19,042	3,458	0
	Apr	7,000	3,422	19,964	2,536	0
	May	7,000	856	20,018	2,482	0
	Jun	7,000	0	19,569	2,931	0
	Jul	6,825	0	18,911	3,589	0
	Aug	6,284	0			
	Sep	5,776	0			
	Oct					
	Nov					
	Dec.					

TABLE 15 Cont.

Operation of Casitas Reservoir - 3000 Acre-feet draft - Capacity 22,500 Acre-feet

Year	Storage		Inflow	Draft	Difference between Col. 3 & 4	Storage without Evap.	Area of water Surface			Evaporation and Rainfall				Storage end of Month	Flow over Dam	Vacant Storage above WS	Rainfall at Casitas Res.
	1st of Month	Ac-ft					1st of Month	End of Month	Average	Evap. & Seepage	Rainfall	Net loss Col 10-11	Net loss Col 9x12				
	Month	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1934	Jan	11998	2209	150	+ 2059	14057	374	409	391.5	.375	.561	+ .186	+ 72	14129	0	8371	6.73
	Feb	14129	630	150	+ 480	14609	411	418	414.5	.380	.298	-.082	- 34	14575	0	7925	3.58
	Mar	14575	249	180	+ 69	14644	418	419	418.5	.480	0	-.480	- 201	14443	0	8057	0
	Apr	14443	57	210	- 153	14290	416	413	414.5	.555	0	-.555	- 230	14060	0	8440	0
	May	14060	16	240	- 224	13836	409	406	407.5	.639	0	-.639	- 260	13576	0	8924	0
	Jun	13576	9	330	- 321	13255	402	396	399.	.730	.034	-.696	- 316	12939	0	9561	0.41
	Jul	12939	5	360	- 355	12584	391	385	388.	.792	0	-.792	- 307	12277	0	10223	0
	Aug	12277	3	360	- 357	11920	380	372	376.	.816	0	-.816	- 307	11613	0	10887	0
	Sep	11613	2	330	- 328	11285	367	361	364.	.798	0	-.798	- 290	10945	0	11505	0
	Oct	10995	221	270	- 49	10946	356	355	355.5	.652	.138	-.514	- 182	10764	0	11736	1.65
	Nov	10764	120	240	- 120	10644	351	349	350.	.463	.377	-.086	- 30	10614	0	11886	4.53
	Dec	10614	1250	180	+ 1070	11684	349	369	359.	.390	.507	-.117	+ 42	11726	0	10774	6.08
1935	Jan	11726	2613	150	+ 2463	14189	369	412	390.5	.375	.399	+ .024	+ 9	14198	0	8302	4.79
	Feb	14198	354	150	+ 204	14402	412	415	413.5	.380	.103	-.277	- 115	14287	0	8213	1.24
	Mar	14287	877	180	+ 697	14984	413	425	419.	.480	.289	-.191	- 80	14904	0	7596	3.47
	Apr	14904	2350	210	+ 2140	17044	423	459	441.	.555	.314	-.241	- 106	16938	0	5564	3.77
	May	16938	272	240	+ 32	16970	457	458	457.5	.639	.006	-.633	- 290	16680	0	5820	0.07
	Jun	16680	66	330	- 264	16416	453	448	450.5	.730	0	-.730	- 329	16087	0	6413	0
	Jul	16087	23	360	- 337	15750	443	437	440.	.792	0	-.792	- 348	15402	0	7098	0
	Aug	15402	8	360	- 352	15050	432	426	429.	.816	.017	-.799	- 343	14707	0	7793	0.20
	Sep	14707	10	330	- 320	14387	420	415	417.5	.798	.007	-.791	- 330	14057	0	8443	0.08
	Oct	14057	11	270	- 259	13798	409	405	407.	.652	.037	-.615	- 250	13548	0	8952	0.44
	Nov	13548	8	240	- 232	13316	401	397	399.	.463	.088	-.375	- 150	13166	0	9334	1.06
	Dec	13166	22	180	- 158	13008	395	392	393.5	.390	.193	-.197	- 78	12930	0	9570	2.32
1936	Jan	12930	44	150	- 106	12824	391	389	390.	.375	.031	-.344	- 134	12690	0	9810	0.37
	Feb	12690	5217	150	+ 5067	17757	387	470	428.5	.380	1.088	+ .708	+ 303	18060	0	4440	13.06
	Mar	18060	635	180	+ 455	18515	475	481	478.	.480	.240	-.240	- 115	18400	0	4100	2.88
	Apr	18400	345	210	+ 135	18535	480	482	481.	.555	.088	-.467	- 225	18310	0	4190	1.05
	May	18310	64	240	- 176	18134	478	475	476.5	.639	0	-.639	- 304	17830	0	4670	0
	Jun	17830	26	330	- 304	17526	470	466	468.	.730	0	-.730	- 345	17181	0	5319	0
	Jul	17181	13	360	- 347	16834	461	455	458.	.792	0	-.792	- 363	16471	0	6029	0
	Aug	16471	6	360	- 354	16117	449	443	446.	.816	0	-.816	- 364	15753	0	6747	0
	Sep	15753	6	330	- 324	15429	438	432	435.	.798	0	-.798	- 347	15082	0	7418	0
	Oct	15082	9	270	- 261	14821	427	422	424.5	.652	.337	-.315	- 134	14687	0	7813	4.04
	Nov	14687	8	240	- 232	14455	420	416	418.0	.463	.005	-.458	- 191	14264	0	8236	0.06
	Dec	14264	1670	180	+ 1490	15754	413	438	425.5	.390	.712	+ .322	+ 137	15891	0	6609	8.55

TABLE 15 Cont.

Operation of Casitas Reservoir - 3000 Acre-feet draft - Capacity 22500 Acre-feet.

Year	Storage		Inflow Ac-ft	Draft Ac-ft	Difference between Col. 3 & 4 Ac-ft	Storage without Evap. Ac-ft	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft	Vacant Storage above W.S. Ac-ft	Rainfall at Casitas Res. Inches
	1st of Month						1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col 10-11 Feet	Net loss Col 9x12 Ac-ft				
	Month	Ac-ft															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1937	Jan	15891	1222	150	+1072	16963	440	457	448.5	.375	.400	+0.25	+ 11	16974	0	5526	4.80
	Feb	16974	11092	150	+10942	27916				.380	.878	+4.98		22500	5416	0	10.54
	Mar	22500	5020	180	+4840	27340				.480	.521	+0.41		22500	4840	0	6.25
	Apr	22500	1363	210	+1153	23653				.555	.025	-.530		22500	1153	0	.30
	May	22500	445	240	+205	22705				.639	0	-.639		22500	205	0	0
	Jun	22500	138	330	-192	22308	543	540	541.5	.730	0	-.730	-395	21913	0	587	0
	Jul	21913	34	360	-326	21587	534	528	531	.792	0	-.792	-421	21166	0	1334	0
	Aug	21166	20	360	-340	20826	523	517	520	.816	0	-.816	-424	20402	0	2098	0
	Sep	20402	20	330	-310	20092	511	506	508.5	.798	0	-.798	-406	19686	0	2814	0
	Oct	19686	13	270	-257	19429	500	495	497.5	.652	.021	-.631	-314	19115	0	3385	0.25
	Nov	19115	12	240	-228	18887	489	487	488	.463	0	-.463	-226	18661	0	3839	0
	Dec	18661	404	180	+224	18885	484	487	485.5	.390	.483	+0.93	+ 45	18930	0	3570	5.79
1938	Jan	18930	211	150	+61	18991	487	489	488	.375	.092	-.283	-138	18853	0	3647	1.12
	Feb	18853	6458	150	+6308	25161				.380	1.011	+6.31		22500	2661	0	12.13
	Mar	22500	15736	180	+15556	38056				.480	.946	+4.66		22500	15556	0	11.35
	Apr	22500	1231	210	+1021	23521				.555	.045	-.510		22500	1021	0	0.54
	May	22500	499	240	+259	22750				.639	.022	-.617		22500	259	0	0.26
	Jun	22500	232	330	-98	22402	543	541	542	.730	.004	-.726	-393	22009	0	491	0.05
	Jul	22009	95	360	-265	21744	535	531	533	.792	0	-.792	-422	21322	0	1178	0
	Aug	21322	44	360	-316	21006	525	520	522.5	.816	0	-.816	-426	20580	0	1920	0
	Sep	20580	27	330	-303	20277	514	509	511.5	.798	.019	-.779	-393	19884	0	2616	0.23
	Oct	19884	33	270	-237	19647	503	497	500	.652	0	-.652	-326	19321	0	3179	0
	Nov	19321	46	240	-194	19127	494	491	492.5	.463	0	-.463	-228	18899	0	3601	0
	Dec	18899	414	180	+234	19133	487	491	489	.390	.598	+2.08	+102	19235	0	3265	7.18
1939	Jan	19235	723	150	+573	19808	493	501	497	.375	.358	-.017	-8	19800	0	2700	4.30
	Feb	19800	418	150	+1268	20068	501	506	503.5	.380	.180	-.200	-101	19967	0	2533	2.16
	Mar	19967	865	180	+685	20652	504	515	509.5	.480	.309	-.171	-87	20565	0	1935	3.71
	Apr	20565	178	210	-32	20533	513	513	513	.555	.021	-.534	-274	20259	0	2241	0.25
	May	20259	80	240	-160	20099	509	506	507.5	.639	0	-.639	-274	19825	0	2675	0
	Jun	19825	40	330	-290	19535	501	497	499	.730	0	-.730	-364	19171	0	3329	0
	Jul	19171	13	360	-347	18824	492	486	489	.792	0	-.792	-387	18437	0	4063	0
	Aug	18437	8	360	-352	18085	480	475	477.5	.816	0	-.816	-390	17695	0	4805	0
	Sep	17695	6	330	-324	17371	469	464	466.5	.798	.088	-.710	-331	17040	0	5460	1.05
	Oct	17040	3	270	-267	16713	459	454	456.5	.652	0	-.652	-298	16475	0	6025	0
	Nov	16475	4	240	-236	16239	449	445	447	.463	0	-.463	-207	16032	0	6468	0
	Dec	16032	8	180	-172	15860	442	439	440.5	.390	.132	-.258	-114	15746	0	6754	1.58

TABLE 15 Cont.

Operation of Casitas Reservoir - 3000 Acre-feet draft - Capacity 22 500 Acre-feet.

Year	Storage		Inflow Ac-ft	Draft Ac-ft	Difference between Col. 3 & 4 Ac-ft	Storage without Evap. Ac-ft	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft	Vacant Storage above W. S. Ac-ft	Rainfall at Casitas Res. Inches
	1st of Month						1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col. 10-11 Feet	Net loss Col. 9x12 Ac-ft				
	Month 1	Ac-ft 2															
1940	Jan	15746	19	150	- 131	15615	437	435	436	.375	.455	+ .080	+ 35	15650	0	6850	5.46
	Feb	15650	1504	150	+ 1354	17004	436	458	447	.380	.651	+ .271	+ 121	17125	0	5375	7.81
	Mar	17125	454	180	+ 274	17399	460	464	462	.480	.077	- .403	- 186	17213	0	5287	.92
	Apr	17213	173	210	- 37	17176	461	461	461	.555	.180	- .375	- 173	17003	0	5497	2.16
	May	17003	69	240	- 171	16832	458	455	456.5	.639	0	- .639	- 292	16540	0	5960	0
	Jun	16540	28	330	- 302	16238	450	445	447.5	.730	0	- .730	- 327	15911	0	6589	0
	Jul	15911	13	360	- 347	15564	440	434	437	.792	0	- .792	- 346	15218	0	7282	0
	Aug	15218	5	360	- 355	14863	428	423	425.5	.816	0	- .816	- 347	14516	0	7984	0
	Sep	14516	4	330	- 326	14190	417	412	414.5	.798	0	- .798	- 331	13859	0	8641	0
	Oct	13859	4	270	- 266	13593	406	402	404	.652	.079	- .573	- 231	13362	0	9138	.95
	Nov	13362	4	240	- 236	13126	398	394	396	.463	.033	- .430	- 170	12956	0	9544	.40
	Dec	12956	2416	180	+ 2236	15192	391	428	409.5	.390	.808	+ .418	+ 171	15363	0	7137	9.70
1941	Jan	15363	5414	150	+ 5264	20627	431	514	472.5	.375	.787	+ .412	+ 195	20822	0	1678	9.44
	Feb	20822	10848	150	+ 10698	31520				.380	.762	+ .382		22500	9020	0	9.14
	Mar	22500	17381	180	+ 17201	39701				.480	1.027	+ .547		22500	17201	0	12.32
	Apr	22500	8751	210	+ 8541	31041				.555	.493	- .062		22500	8541	0	5.92
	May	22500	1654	240	+ 1414	23914				.639	.012	- .627		22500	1414	0	.15
	Jun	22500	637	330	+ 307	22807	543	543	543	.730	0	- .730	- 396	22411	0	89	0
	Jul	22411	415	360	+ 55	22466	541	542	541.5	.792	0	- .792	- 429	22037	0	463	0
	Aug	22037	190	360	- 170	21867	536	533	534.5	.816	0	- .816	- 436	21431	0	1069	0
	Sep	21431	122	330	- 208	21223	527	523	525	.798	0	- .798	- 419	20804	0	1696	0
	Oct	20804	124	270	- 146	20658	517	515	516	.652	.094	- .558	- 288	20370	0	2130	1.13
	Nov	20370	123	240	- 117	20253	510	509	509.5	.463	.071	- .392	- 200	20053	0	2447	.85
	Dec	20053	959	180	+ 779	20832	506	517	511.5	.390	.635	+ .245	+ 125	20957	0	1543	7.62
1942	Jan	20957	468	150	+ 318	21275	519	525	522	.375	.112	- .263	- 137	21138	0	1362	1.35
	Feb	21138	277	150	+ 127	21265	522	524	523	.380	.063	- .317	- 166	21099	0	1401	.75
	Mar	21099	312	180	+ 132	21231	522	524	523	.480	.140	- .340	- 178	21053	0	1447	1.68
	Apr	21053	743	210	+ 533	21586	521	529	525	.555	.386	- .169	- 89	21497	0	1003	4.63
	May	21497	269	240	+ 29	21526	528	528	528	.639	0	- .639	- 337	21189	0	1311	0
	Jun	21189	85	330	- 245	20944	523	519	521	.730	0	- .730	- 380	20564	0	1936	0
	Jul	20564	27	360	- 333	20231	513	508	510.5	.792	0	- .792	- 404	19827	0	2673	0
	Aug	19827	13	360	- 347	19480	502	497	499.5	.816	0	- .816	- 408	19072	0	3428	0
	Sep	19072	11	330	- 319	18753	490	501	495.5	.798	0	- .798	- 395	18358	0	4142	0
	Oct	18358	12	270	- 258	18100	479	475	477	.652	.093	- .559	- 267	17833	0	4667	1.12
	Nov	17833	11	240	- 229	17604	471	467	469	.463	.021	- .442	- 207	17397	0	5103	.25
	Dec	17397	15	180	- 165	17232	464	461	462.5	.390	.107	- .283	- 131	17101	0	5311	1.29

TABLE 15 Cont.

Operation of Casitas Reservoir - 3000 Acre-feet draft - Capacity 22,500 Acre-feet

Year	Storage		Inflow	Draft	Difference between Col. 3 & 4	Storage without Evap.	Area of water Surface			Evaporation and Rainfall				Storage end of Month	Flow over Dam	Vacant Storage above W. S.	Rainfall at Casitas Rch.
	1st of Month						1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col 10-11 Feet	Net loss Col 9x12 Ac-ft				
	Month 1	Ac-ft 2	Ac-ft 3	Ac-ft 4	Ac-ft 5	Ac-ft 6								7	8	9	10
1943	Jan	17101	13245	150	+13095	30196					.375	1.740	+1.365	22500	7696	0	20.88
	Feb	22500	4042	150	+3892	26392					.380	.391	+ .011	22500	3892	0	4.69
	Mar	22500	8122	180	+1942	30442					.480	.504	+ .024	22500	7942	0	6.05
	Apr	22500	1006	210	+796	23296					.555	.063	- .492	22500	796	0	0.75
	May	22500	440	240	+200	22700	543	546	544.5	.639	0	- .639	- .348	22352	0	148	0
	Jun	22352	156	330	-174	22178	541	538	539.5	.730	0	- .730	- .394	21784	0	716	0
	Jul	21784	75	360	-285	21499	532	528	530	.792	0	- .792	- .420	21079	0	1421	0
	Aug	21079	30	360	-330	20749	522	516	519	.816	0	- .816	- .424	20325	0	2175	0
	Sep	20325	18	330	-312	20013	509	505	507	.798	0	- .798	- .405	19608	0	2892	0
	Oct	19608	17	270	-253	19355	498	495	496.5	.652	.058	- .594	- .295	19060	0	3440	0.70
	Nov	19060	18	240	-222	18838	490	486	488	.463	.010	- .453	- .221	18617	0	3883	0.12
	Dec	18617	344	180	+164	18781	483	486	484.5	.390	.697	+ .307	+ 149	18930	0	3570	8.36
1944	Jan	18930	242	150	+92	19022	487	489	488	.375	.172	- .203	- 99	18923	0	3577	2.07
	Feb	18923	7763	150	+7613	26536				.380	.788	+ .408		22500	4036	0	9.46
	Mar	22500	4755	180	+4575	27075				.480	.267	- .213		22500	4575	0	3.20
	Apr	22500	575	210	+365	22865				.555	.090	- .465		22500	365	0	1.08
	May	22500	289	240	+49	22549	543	543	543	.639	0	- .639	- .347	22202	0	298	0
	Jun	22202	163	330	-167	22035	538	536	537	.730	0	- .730	- .392	21643	0	857	0
	Jul	21643	58	360	-302	21341	530	525	527.5	.792	0	- .792	- .418	20923	0	1577	0
	Aug	20923	33	360	-327	20596	518	514	516	.816	0	- .816	- .421	20175	0	2325	0
	Sep	20175	22	330	-308	19867	507	502	504.5	.798	0	- .798	- .403	19464	0	3036	0
	Oct	19464	19	270	-251	19213	496	492	494	.652	0	- .652	- .322	18891	0	3609	0
	Nov	18891	246	240	+6	18897	487	487	487	.463	.459	- .004	- 2	18895	0	3605	5.51
	Dec	18895	108	180	-72	18823	487	486	486.5	.390	.132	- .258	- 126	18697	0	3803	1.58
1945	Jan	18697	111	150	-39	18658	484	484	484	.375	.008	- .367	- 178	18480	0	4020	0.09
	Feb	18480	4126	150	+3976	22456	481	542	511.5	.380	.672	+ .292	+ 149	22500	105	0	8.06
	Mar	22500	1504	180	+1324	23824				.480	.577	+ .097		22500	1324	0	6.92
	Apr	22500	456	210	+246	22746	543	546	544.5	.555	0	- .555	- .302	22444	0	56	0
	May	22444	142	240	-98	22346	542	540	541	.639	0	- .639	- .346	22000	0	500	0
	Jun	22000	65	330	-265	21735	535	531	533	.730	0	- .730	- .389	21346	0	1154	0
	Jul	21346	33	360	-327	21019	525	520	522.5	.792	0	- .792	- .414	20605	0	1895	0
	Aug	20605	14	360	-346	20259	514	509	511.5	.816	0	- .816	- .417	19842	0	2658	0
	Sep	19842	10	330	-320	19522	502	497	499.5	.798	0	- .798	- .399	19123	0	3377	0
	Oct	19123	9	270	-261	18862	490	487	488.5	.652	.089	- .563	- .275	18587	0	3913	1.07
	Nov	18587	8	240	-232	18355	483	479	481	.463	.028	- .435	- .209	18146	0	4354	0.34
	Dec	18146	1128	180	+948	19094	476	490	483	.390	.613	+ .223	+ 108	19202	0	3298	7.36

TABLE 15 Cont.

Operation of Casitas Reservoir - 3000 Acre-feet draft - Capacity 22500 Acre-feet.

Year	Storage		Inflow Ac-ft	Draft Ac-ft	Difference between Col. 3 & 4 Ac-ft	Storage without Evap. Ac-ft	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft	Vacant Storage above WS Ac-ft	Rainfall at Casitas Rch. Inches
	1st of Month						1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col 10-11 Feet	Net loss Col 9x12 Ac-ft				
	Month	Ac-ft															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1946	Jan.	19,202	162	150	+ 12	19,214	489	489	489	.375	.032	-.343	-168	19,046	0	3454	.38
	Feb.	19,046	255	150	+105	19,151	489	491	490.	.380	.158	-.222	- 109	19,042	0	3458	1.90
	Mar.	19,042	1118	180	+938	19,980	489	505	497	.480	.448	-.032	- 16	19,964	0	2536	5.37
	Apr.	19,964	537	210	+ 327	20,291	504	509	506.5	.555	.016	-.539	-273	20,018	0	2482	.19
	May.	20,018	111	240	-129	19,889	505	503	504.	.634	0	-.634	-320	19,569	0	2931	0
	Jun.	19,569	34	330	-296	19,273	498	493	495.5	.730	0	-.730	-362	18,911	0	3589	0
	Jul.	18,911	15	360	-345	18,566	487	482	484.5	.792	0	-.792	-384	18,182	0	4318	0
	Aug.	18,182	6	360	-354	17,828	477	470	473.5	.816	0	-.816	-386	17,442	0	5,058	0
	Sep.	17,442	6	330	-324	17,118	465	460	462.5	.798	0	-.798	-369	16,749	0	5,751	0
	Oct.			270						.652	.035	-.617					.42
	Nov.			240						.463	.521	+0.58					6.25
	Dec.			180						.390	.191	-.199					2.30
	Jan.																
	Feb.																
	Mar.																
	Apr.																
	May.																
	Jun.																
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	Apr.																
	May.																
	Jun.																
	Jul.																
	Aug.																
	Sep.																
	Oct.																
	Nov.																
	Dec.																

TABLE 16

Operation of Casitas Reservoir - 3000 Acre-feet draft - If a year like 1927-28 followed 1931.

Year	Storage		Inflow	Draft	Difference between Col. 3 & 4	Storage without Evap.	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft		Rainfall Inches.	
	1st of Month						1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col 10-11 Feet	Net loss Col. 9x12 Ac-ft					
	Month	Ac-ft																Ac-ft
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1931	Jan	5881	24	150	-126	5755	261	258	258.5	.375	.423	+.048	+12	5767				
	Feb	5767	230	150	+80	5847	258	260	259.	.380	.287	-.093	-24	5823				
	Mar	5823	38	180	-142	5681	260	254	257.	.480	0	-.480	-123	5558				
	Apr	5558	112	210	-98	5460	253	251	252.	.555	.262	-.293	-74	5386				
	May	5386	83	240	-157	5229	249	246	247.5	.639	.142	-.497	-123	5106				
	Jun	5106	8	330	-322	4784	242	235	238.5	.730	0	-.730	-174	4610				
	Jul	4610	3	360	-357	4253	230	222	226.	.792	0	-.792	-179	4074				
	Aug	4074	5	360	-355	3719	217	208	212.5	.816	.043	-.773	-164	3555				
	Sep	3555	5	330	-325	3230	203	193	198.	.798	0	-.798	-158	3072				
	Oct	3072	6	270	-264	2808	186	177	181.5	.652	0	-.652	-118	2690				
	Nov	2690	6	240	-234	2456	173	165	169.	.463	.391	-.072	-12	2444				
	Dec	2440	48	180	-132	2312	164	160	162.	.390	.300	-.090	-15	2297				
	Jan.	2297	58	150	-92	2205	160	156	158	.375	0	-.375	-59	2146				
	Feb.	2146	132	150	-18	2128	154	154	154	.380	.185	-.195	-30	2098				
	Mar	2098	366	180	+186	2284	153	160	156.5	.480	.426	-.054	-8	2276				
	Apr.	2276	55	210	-155	2121	159	157	158.	.555	.025	-.530	-84	2037				
	May	2037	33	240	-207	1830	150	140	145.	.639	.047	-.592	-86	1744				
	Jun.	1744	17	330	-313	1431	135	117	126	.730	0	-.730	-92	1339				
	Jul	1339	12	360	-348	991	112	94	98.	.792	0	-.792	-78	913				
	Aug	913	11	360	-349	564	88	63	75.5	.816	0	-.816	-62	502				
	Sep	502	11	330	-319	183	58	29	43.5	.798	0	-.798	-35	148				
	Oct	148	11	270	-259	Reservoir dry sometime early in October.												
	Nov																	
	Dec																	
	Jan.																	
	Feb																	
	Mar																	
	Apr																	
	May																	
	Jun.																	
	Jul.																	
	Aug																	
	Sep																	
	Oct.																	
	Nov.																	
	Dec.																	

TABLE 16-A

Operation of Casitas Reservoir - 2800 Acre-feet draft - If a year like 1927-28 followed 1931

Year	Storage		Inflow	Draft	Difference between Col. 3 & 4	Storage without Evap.	Area of water Surface			Evaporation and Rainfall				Storage end of Month	Flow over Dam		Rainfall
	1st of Month						1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col 10-11 Feet	Net loss Col 9x12 Ac-ft				
	Month 1	Ac-ft 2															
1925	Jan																
	Feb																
	Mar																
	Apr																
	May																
	Jun																
	Jul																
	Aug																
	Sep																
	Oct																
	Nov																
	Dec	90	1005	168	+837	927	16	90	53.	.390	.202	-.188	-10	917			
1926	Jan.	917	2057	140	+1917	2834	89	178	133.5	.375	.226	-.149	-20	2814			
	Feb.	2814	3628	140	+3488	6302	177	270	223.5	.380	.504	+.124	+28	6330			
	Mar	6330	3777	168	+3609	9939	271	337	304.	.480	.054	-.426	-130	9809			
	Apr.	9809	1218	196	+1022	10831	334	353	343.5	.555	1.000	+.445	+153	10984			
	May	10984	305	224	+81	11065	356	357	356.5	.639	.014	-.625	-223	10842			
	Jun.	10842	118	308	-190	10652	353	350	351.5	.730	0	-.730	-257	10395			
	Jul	10395	61	336	-275	10120	345	339	342.	.792	0	-.792	-271	9849			
	Aug	9849	32	336	-304	9545	335	329	332.	.816	0	-.816	-271	9274			
	Sep.	9274	24	308	-284	8990	323	319	321.	.798	0	-.798	-256	8734			
	Oct	8734	48	252	-204	8530	315	311	313.	.652	.016	-.636	-199	8331			
	Nov	8331	45	224	-179	8152	307	304	305.5	.463	.694	+.231	+101	8253			
	Dec	8253	1259	168	+1091	9344	306	326	316.	.390	.108	-.282	-89	9255			
1927	Jan.	9255	2576	140	+2436	11691	324	369	346.5	.375	.170	-.205	-71	11620			
	Feb	11620	4542	140	+4402	16022	367	441	404.0	.380	1.162	+.782	+316	16338			
	Mar	16338	4728	168	+4560	20898	447	518	482.5	.480	.231	-.249	-120	20778			
	Apr	20778	1526	196	+1330	22108	517	537	527.	.555	0	-.555	-292	21816			
	May	21816	382	224	+158	21974	532	535	532.5	.639	0	-.639	-341	21633			
	Jun.	21633	147	308	-161	21472	530	527	528.5	.730	0	-.730	-386	21086			
	Jul	21086	77	336	-259	20827	522	517	519.5	.792	0	-.792	-411	20416			
	Aug	20416	40	336	-296	20120	511	506	508.5	.816	0	-.816	-415	19705			
	Sep	19705	30	308	-278	19427	500	496	498.	.798	0	-.798	-398	19029			
	Oct	19029	6	252	-246	18783	489	486	487.5	.652	.182	-.470	-229	18554			
	Nov	18554	11	224	-213	18341	482	479	480.5	.463	.173	-.290	-139	18202			
	Dec	18202	48	168	-120	18082	477	475	476.	.390	.300	-.090	-43	18039			

TABLE 16-A-Cont.

Operation of Casitas Reservoir - 2800 Acre-feet draft - If a year like 1927-28 followed 1931.

Year	Storage		Inflow	Draft	Difference between Col. 3 & 4	Storage without Evap.	Area of water Surface			Evaporation and Rainfall				Storage end of Month	Flow over Dam		Rainfall
	1st of Month						1st of Month	End of Month	Average Month	Evap. & Seepage	Rainfall	Net loss Col 10-11	Net loss Col 9 & 12				
	Month	Ac-ft															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1928	Jan	18039	58	140	- 82	17957	474	473	473.5	.375	0	-.375	-178	17779			
	Feb	17779	132	140	- 8	17721	470	470	470.	.380	.185	-.195	- 92	17679			
	Mar	17679	326	168	+198	17877	469	472	470.5	.480	.426	-.054	- 25	17852			
	Apr	17852	55	196	-141	17711	471	469	470.	.555	.025	-.530	-249	17462			
	May	17462	33	224	-191	17271	465	462	463.5	.639	.047	-.592	-274	16997			
	Jun	16997	17	308	-291	16706	458	453	455.5	.730	0	-.730	-333	16373			
	Jul	16373	12	336	-324	16049	447	442	444.5	.792	0	-.792	-352	15697			
	Aug	15697	11	336	-325	15372	437	431	434.	.816	0	-.816	-354	15018			
	Sep	15018	11	308	-297	14721	425	420	422.5	.798	0	-.798	-337	14384			
	Oct	14384	11	252	-241	14143	415	411	413.	.652	.004	-.648	-268	13875			
	Nov	13875	41	224	-183	13692	407	404	405.5	.463	.324	-.139	- 56	13636			
	Dec	13636	61	168	-107	13529	403	401	402.	.390	.420	+.030	+ 12	13541			
1929	Jan	13541	101	140	-39	13502	401	400	400.5	.375	.147	-.228	- 91	13411			
	Feb	13411	438	140	+298	13709	399	404	401.5	.380	.251	-.129	-52	13657			
	Mar	13657	415	168	+247	13904	403	407	405.	.480	.188	-.292	-118	13786			
	Apr	13786	179	196	-17	13769	405	405	405.	.555	.147	-.408	-165	13604			
	May	13604	58	224	-166	13438	402	399	401.5	.639	0	-.639	-257	13181			
	Jun	13181	26	308	-282	12899	395	390	392.5	.730	0	-.730	-287	12612			
	Jul	12612	8	336	-328	12284	385	380	382.5	.792	0	-.792	-303	11981			
	Aug	11981	4	336	-332	11649	374	368	371.	.816	0	-.816	-303	11346			
	Sep	11346	2	308	-306	11040	362	356	359.	.798	.014	-.784	-281	10759			
	Oct	10759	6	252	-246	10513	351	347	349.	.652	0	-.652	-228	10285			
	Nov	10285	6	224	-218	10067	343	339	341.	.463	0	-.463	-158	9909			
	Dec	9909	6	168	-162	9747	336	333	334.5	.390	0	-.390	-130	9617			
1930	Jan	9617	206	140	+66	9683	330	332	331.	.375	.781	+.406	+134	9817			
	Feb	9817	40	140	-100	9717	334	332	333.	.380	.121	-.259	- 86	9631			
	Mar	9631	1203	168	+1035	10666	331	350	340.5	.480	.375	-.105	- 36	10630			
	Apr	10630	87	196	-109	10521	349	347	348.	.555	.011	-.544	-189	10332			
	May	10332	28	224	-196	10136	344	340	342.	.639	.015	-.624	-213	9923			
	Jun	9923	11	308	-297	9628	336	331	333.5	.730	0	-.730	-243	9383			
	Jul	9383	9	336	-327	9056	327	320	323.5	.792	0	-.792	-256	8800			
	Aug	8800	6	336	-330	8470	316	309	312.5	.816	0	-.816	-255	8215			
	Sep	8215	6	308	-302	7913	305	299	302.	.798	0	-.798	-241	7672			
	Oct	7672	6	252	-246	7426	296	290	293.	.652	0	-.652	-191	7235			
	Nov	7235	7	224	-217	7018	287	283	285.	.463	.250	-.213	- 61	6957			
	Dec	6957	11	168	-157	6800	282	279	280.5	.390	0	-.390	-109	6691			

TABLE 16-A Cont.

Operation of Casitas Reservoir - 2800 Acre-feet draft - If a year like 1927-28 followed 1931.

Year	Storage		Inflow Ac-ft	Draft Ac-ft	Difference between Col. 3 & 4 Ac-ft	Storage without Evap. Ac-ft	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft	16	Rainfall Inches 17
	1st of Month						1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col 10-11 Feet	Net loss Col 9x12 Ac-ft				
	Month 1	Ac-ft 2															
1931	Jan	6691	24	140	-116	6575	277.	275	276	.375	.423	+048	+13	6588			
	Feb	6588	230	140	+90	6678	275	277	276	.380	.287	-.093	-26	6652			
	Mar	6652	38	168	-130	6522	276	274	275	.480	0	-.480	-132	6390			
	Apr	6390	112	196	-84	6306	272	270	271	.555	.262	-.293	-79	6227			
	May	6227	83	224	-141	6086	269	266	267.5	.639	.142	-.497	-133	5953			
	Jun	5953	8	308	-300	5653	262	255	258.5	.730	0	-.730	-189	5464			
	Jul	5464	3	336	-333	5131	251	243	247.	.792	0	-.792	-196	4935			
	Aug	4935	5	336	-331	4604	238	230	234.	.816	.043	-.773	-181	4423			
	Sep	4423	5	308	-303	4120	226	218	222.	.798	0	-.798	-177	3943			
	Oct	3943	6	252	-246	3697	215	208	211.5	.652	0	-.652	-138	3559			
	Nov	3559	6	224	-218	3341	203	199	201.	.463	.391	-.072	-14	3327			
1927	Dec	3327	48	168	-120	3207	195	190	192.5	.390	.300	-.090	-17	3190			
1928	Jan.	3190	58	140	-82	3108	190	187	188.5	.375	0	-.375	-71	3037			
	Feb.	3037	132	140	-8	3029	185	185	185	.380	.185	-.195	-36	2993			
	Mar	2993	366	168	+198	3191	184	190	187	.480	.426	-.054	-10	3181			
	Apr.	3181	55	196	-141	3040	190	185	187.5	.555	.025	-.530	-99	2941			
	May.	2941	33	224	-191	2750	182	175	178.5	.639	.047	-.592	-106	2644			
	Jun.	2644	17	308	-291	2353	171	162	166.5	.730	0	-.730	-122	2231			
	Jul	2231	12	336	-324	1907	157	144	150.5	.792	0	-.792	-119	1788			
	Aug	1788	11	336	-325	1463	137	119	128.	.816	0	-.816	-104	1359			
	Sep	1359	11	308	-297	1062	114	97	105.5	.798	0	-.798	-84	978			
	Oct	978	11	252	-241	737	93	77	85	.652	.004	-.648	-55	682			
	Nov	682	41	224	-183	499	72	59	65	.463	.324	-.139	-2	497			
	Dec	497	61	168	-107	390	58	49	53.5	.390	.420	+030	+2	392			
	Jan																
	Feb																
	Mar																
	Apr																
	May																
	Jun.																
	Jul.																
	Aug																
	Sep																
	Oct																
	Nov																
	Dec.																

TABLE 16-B

Operation of Casitas Reservoir - 2600 Acre-feet draft - If a year like 1927-28 followed 1931

Year	Storage		Inflow Ac-ft	Draft Ac-ft	Difference between Col. 3 & 4 Ac-ft	Storage without Evap. Ac-ft	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft		Rainfall Inches
	1st of Month						1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col 10-11 Feet	Net loss Col 9x12 Ac-ft				
	Month 1	Ac-ft 2															
	Jan																
	Feb																
	Mar																
	Apr																
	May																
	Jun																
	Jul																
	Aug																
	Sep																
	Oct																
	Nov																
1925	Dec	90	1005	156	+849	939	16	90	53	.390	.202	-.188	-10	929			
1926	Jan	929	2057	130	+1927	2856	90	179	134.5	.375	.226	-.149	-20	2836			
	Feb	2836	3628	130	+3498	6334	178	271	224.5	.380	.504	+124	+28	6362			
	Mar	3526	3777	156	+3621	9983	202	338	270	.480	.054	-.426	-115	9868			
	Apr	9868	1218	182	+1036	10904	335	354	344.5	.555	1.000	+445	+153	11057			
	May	11057	305	208	+97	11154	357	359	358	.639	.014	-.625	-224	10930			
	Jun	10930	118	286	-168	10762	355	351	353	.730	0	-.730	-258	10504			
	Jul	10504	61	312	-251	10253	347	342	344.5	.792	0	-.792	-273	9980			
	Aug	9980	32	312	-280	9700	338	332	335	.816	0	-.816	-273	9427			
	Sep	9427	24	286	-262	9165	327	322	324.5	.798	0	-.798	-259	8906			
	Oct	8906	48	234	-186	8720	318	314	316	.652	.016	-.636	-201	8519			
	Nov	8519	45	208	-163	8356	310	308	309	.463	.694	+231	+71	8427			
	Dec	8427	1259	156	+1103	9530	309	329	319	.390	.108	-.282	-90	9440			
1927	Jan	9440	2576	130	+2446	11886	326	372	349	.375	.170	-.205	-71	11815			
	Feb	11815	4542	130	+4412	16227	371	445	408	.380	1.162	+782	+319	16546			
	Mar	16546	4728	156	+4572	21118	450	522	486	.480	.231	-.249	-121	20997			
	Apr	20997	1526	182	+1344	22341	520	540	530	.555	0	-.555	-294	22047			
	May	22047	382	208	+174	22221	536	538	537	.639	0	-.639	-343	21878			
	Jun	21878	147	286	-139	21739	534	531	532.5	.730	0	-.730	-389	21350			
	Jul	21350	77	312	-235	21115	526	522	524	.792	0	-.792	-415	20700			
	Aug	20700	40	312	-272	20428	515	511	513	.816	0	-.816	-417	20011			
	Sep	20011	30	286	-256	19755	505	501	503	.798	0	-.798	-401	19354			
	Oct	19354	6	234	-228	19126	495	491	493	.652	.182	-.470	-232	18894			
	Nov	18894	11	208	-197	18697	487	484	485.5	.463	.173	-.290	-141	18556			
	Dec	18556	48	156	-108	18448	482	480	481	.390	.300	-.090	-43	18405			

TABLE 16-B. Cont.

Operation of Casitas Reservoir - 2600 Acre-feet draft - If a year like 1927-28 followed 1931

Year	Storage		Inflow Ac-ft	Draft Ac-ft	Difference between Col. 3 & 4 Ac-ft	Storage without Evap. Ac-ft	Area of water Surface			Evaporation and Rainfall				Storage end of Month Ac-ft	Flow over Dam Ac-ft		Rainfall Inches
	1st of Month						1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col. 10-11 Feet	Net loss Col. 9 & 12 Ac-ft				
	Month	Ac-ft															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1928	Jan	18405	58	130	-72	18333	480	479	479.5	.375	0	-.375	-180	18153			
	Feb	18153	132	130	+2	18155	476	476	476	.380	.185	-.195	-93	18062			
	Mar	18062	366	156	+210	18272	475	475	476.5	.480	.426	-.054	-26	18246			
	Apr	18246	55	182	-127	18119	477	475	476	.555	.025	-.530	-252	17867			
	May	17867	33	208	-175	17692	471	469	470	.639	.047	-.592	-278	17414			
	Jun	17414	17	286	-269	17145	463	459	461	.730	0	-.730	-337	16808			
	Jul	16808	12	312	-300	16508	455	450	452.5	.792	0	-.792	-358	16150			
	Aug	16150	11	312	-301	15849	444	439	441.5	.816	0	-.816	-360	15489			
	Sep	15489	11	286	-275	15214	433	428	430.5	.798	0	-.798	-344	14870			
	Oct	14870	11	234	-223	14647	423	419	421	.652	.004	-.648	-273	14374			
	Nov	14374	41	208	-167	14207	414	412	413	.463	.324	-.139	-57	14150			
	Dec	14150	61	156	-95	14055	411	409	410	.390	.420	+0.030	+12	14067			
1929	Jan	14067	101	130	-29	14038	409	409	409	.375	.147	-.228	-93	13945			
	Feb	13945	438	130	+308	14253	407	413	410	.380	.251	-.129	-53	14200			
	Mar	14200	415	156	+259	14459	412	416	414	.480	.188	-.292	-121	14338			
	Apr	14338	179	182	-3	14335	414	414	414	.555	.147	-.408	-169	14166			
	May	14166	58	208	-150	14016	411	408	409.5	.639	0	-.639	-262	13754			
	Jun	13754	26	286	-260	13494	405	400	402.5	.730	0	-.730	-294	13200			
	Jul	13200	8	312	-304	12896	395	390	392.5	.792	0	-.792	-311	12585			
	Aug	12585	4	312	-308	12277	385	380	382.5	.816	0	-.816	-312	11965			
	Sep	11965	2	286	-284	11681	373	369	371	.798	.014	-.784	-291	11390			
	Oct	11390	6	234	-228	11162	363	359	361	.652	0	-.652	-235	10927			
	Nov	10927	6	208	-202	10725	354	350	352	.463	0	-.463	-163	10562			
	Dec	10562	6	156	-150	10412	348	345	346.5	.390	0	-.390	-135	10277			
1930	Jan	10277	206	130	+76	10353	343	344	343.5	.375	.781	+4.06	+139	10492			
	Feb	10492	40	130	-90	10402	347	345	346	.380	.121	-.259	-90	10312			
	Mar	10312	1203	156	+1047	11359	343	362	352.5	.480	.375	-.105	-37	11322			
	Apr	11322	87	182	-95	11227	361	360	360.5	.555	.011	-.544	-196	11031			
	May	11031	28	208	-180	10851	357	353	355	.639	.015	-.624	-222	10629			
	Jun	10629	11	286	-275	10354	349	344	346.5	.730	0	-.730	-253	10101			
	Jul	10101	9	312	-303	9798	339	334	336.5	.792	0	-.792	-266	9532			
	Aug	9532	6	312	-306	9226	327	323	325	.816	0	-.816	-265	8961			
	Sep	8961	6	286	-280	8681	319	314	316.5	.798	0	-.798	-253	8428			
	Oct	8428	6	234	-228	8200	309	305	307.5	.652	0	-.652	-200	8000			
	Nov	8000	7	208	-201	7799	301	297	299	.463	.250	-.213	-64	7735			
	Dec	7735	11	156	-145	7590	296	294	295	.390	0	-.390	-115	7475			

TABLE-16-B. Cont.

Operation of Casitas Reservoir-2600 Acre-feet draft-if a year like 1927-28 followed 1931.

Year	Storage		Inflow	Draft	Difference between Col. 3 & 4	Storage without Evap.	Area of water Surface			Evaporation and Rainfall				Storage end of Month	Flow over Dam	16	Rainfall Inches 17					
	Ist of Month	Ac-ft					Ac-ft	Ac-ft	Ac-ft	Ist of Month	End of Month	Average Month	Evap. & Seepage					Rainfall	Net loss Col. 10-11	Net loss Col. 12 & 13		
	Month	1					2	3	4	5	6	1	2					3	4	5	6	7
1931	Jan	7475	24	130	-106	7369	291	289	290	.375	.423	+ .048	+14	7383								
	Feb	7383	230	130	+ 100	7483	290	292	291	.380	.287	-.093	-27	7456								
	Mar	7456	38	156	-118	7338	291	289	290	.480	0	-.480	-139	7199								
	Apr	7199	112	182	-70	7129	286	285	285.5	.555	.262	-.293	-84	7045								
	May	7045	83	208	-125	6920	284	281	282.5	.639	.142	-.497	-140	6780								
	Jun	6780	8	286	-278	6502	279	274	276.5	.730	0	-.730	-202	6300								
	Jul	6300	3	312	-309	5991	270	264	267	.792	0	-.792	-211	5780								
	Aug	5780	5	312	-307	5473	258	251	254.5	.816	.043	-.773	-197	5276								
	Sep	5276	5	286	-281	4995	246	240	243	.798	0	-.798	-194	4801								
	Oct	4801	6	234	-228	4573	235	229	232	.652	0	-.652	-151	4422								
	Nov	4422	6	208	-202	4270	226	221	223.5	.463	.391	-.072	-16	4204								
1927	Dec	4204	48	156	-108	4096	221	218	219.5	.390	.300	-.090	-20	4076								
1928	Jan	4076	58	130	-72	4004	218	216	217	.375	0	-.375	-81	3923								
	Feb	3923	132	130	+ 2	3925	214	214	214	.380	.185	-.195	-42	3883								
	Mar	3883	366	156	+ 210	4093	213	218	215.5	.480	.426	-.054	-12	4081								
	Apr	4081	55	182	-127	3954	218	213	215.5	.555	.025	-.530	-114	3840								
	May	3840	33	208	-175	3665	212	207	209.5	.639	.047	-.592	-124	3541								
	Jun	3541	17	286	-269	3272	202	193	197.5	.730	0	-.730	-144	3128								
	Jul	3128	12	312	-300	2828	188	179	183.5	.792	0	-.792	-145	2683								
	Aug	2683	11	312	-301	2382	172	162	167.5	.816	0	-.816	-137	2245								
	Sep	2245	11	286	-275	1970	158	148	153	.798	0	-.798	-122	1848								
	Oct	1848	11	234	-223	1625	141	128	134.5	.652	.004	-.648	-74	1551								
	Nov	1551	41	208	-167	1384	124	115	119.5	.463	.324	-.139	-17	1367								
	Dec	1367	61	156	-95	1272	114	109	111.5	.390	.420	+ .030	+ 3	1275								
	Jan																					
	Feb																					
	Mar																					
	Apr																					
	May																					
	Jun																					
	Jul																					
	Aug																					
	Sep																					
	Oct																					
	Nov																					
	Dec																					

TABLE-16-C.

Operation of Casitas Reservoir - 400 Acre-feet draft - If a year like 1927-28 followed 1931.

Year	Storage		Inflow	Draft	Difference between Col. 3 & 4	Storage without Evap.	Area of water Surface			Evaporation and Rainfall				Storage end of Month	Flow over Dam		Rainfall
	Ist of Month	Ac-ft					Ac-ft	Ac-ft	Ac-ft	Ist of Month	End of Month	Average Month	Evap. & Seepage				
	Month	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1927	Jan																
	Feb																
	Mar																
	Apr																
	May																
	Jun																
	Jul																
	Aug																
	Sep																
	Oct																
	Nov		11	32						463	.173	-.290					
	Dec	90	48	24	+24	114	16	19	17.5	.390	.300	-.090	-2	112			
1928	Jan	112	58	20	+38	150	19	25	22.	.375	0	-.375	-8	142			
	Feb	142	132	20	+112	254	23	37	30.	.380	.185	-.195	-6	248			
	Mar	248	366	24	+342	590	36	65	50.5	.480	.426	-.054	-3	587			
	Apr	587	55	28	+27	614	65	67	66.	.555	.025	-.530	-35	579			
	May	579	33	32	+1	580	64	64	64.	.639	.047	-.592	-38	542			
	Jun	542	17	44	-27	515	61	59	60.	.730	0	-.730	-44	471			
	Jul	471	12	48	-36	435	56	53	54.5	.792	0	-.792	-42	392			
	Aug	392	11	48	-37	355	49	46	47.5	.816	0	-.816	-39	316			
	Sep	316	11	44	-33	283	43	40	41.5	.798	0	-.798	-33	250			
	Oct	250	11	36	-25	225	37	34	35.5	.652	.004	-.648	-23	202			
	Nov	202	41	32	+9	211	32	33	32.5	.463	.324	-.139	-4	207			
	Dec	207	61	24	+37	244	33	36	34.5	.390	.420	+.030	+1	245			
1929	Jan	245	101	20	+81	326	36	44	40.	.375	.147	-.228	-9	317			
	Feb	317	438	20	+418	735	43	77	60.	.380	.251	-.129	-8	727			
	Mar	727	415	24	+391	1118	76	100	88.	.480	.188	-.292	-26	1092			
	Apr	1092	179	28	+151	1243	98	107	102.5	.555	.147	-.408	-42	1201			
	May	1201	58	32	+26	1227	105	106	105.5	.639	0	-.639	-67	1160			
	Jun	1160	26	44	-18	1142	102	101	101.5	.730	0	-.730	-74	1068			
	Jul	1068	8	48	-40	1028	97	95	96.	.792	0	-.792	-76	952			
	Aug	952	4	48	-44	908	91	89	90.	.816	0	-.816	-73	835			
	Sep	835	2	44	-42	793	84	81	82.5	.798	.014	-.784	-65	728			
	Oct	728	6	36	-30	698	76	74	75.	.652	0	-.652	-49	649			
	Nov	649	6	32	-26	623	70	68	69.	.463	0	-.463	-32	591			
	Dec	591	6	24	-18	573	65	64	64.5	.390	0	-.390	-25	548			

TABLE 16-C. Cont.

Operation of Casitas Reservoir - 400 Acre-feet draft - If a year like 1927-28 followed 1931.

Year	Storage		Inflow	Draft	Difference between Col. 3 & 4	Storage without Evap.	Area of water Surface			Evaporation and Rainfall				Storage end of Month	Flow over Dam		Rainfall
	1st of Month						1st of Month Acres	End of Month Acres	Average Month Acres	Evap. & Seepage Feet	Rainfall Feet	Net loss Col. 10-11 Feet	Net loss Col. 9x12 Ac-ft				
	Month	Ac-ft															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1930	Jan.	548	206	20	+186	734	62	77	69.5	.375	.781	+406	+28	762			
	Feb.	762	40	20	+20	782	79	80	79.5	.380	.121	-.259	-21	761			
	Mar.	761	1203	24	+1179	1940	79	146	112.5	.480	.375	-.105	-12	1928			
	Apr.	1928	87	28	+59	1987	145	149	147.	.555	.011	-.544	-80	1907			
	May.	1907	28	32	-4	1903	144	144	144.	.639	.015	-.624	-90	1813			
	Jun.	1813	11	44	-33	1780	139	137	138.	.730	0	-.730	-101	1679			
	Jul.	1679	9	48	-39	1640	131	129	130.	.792	0	-.792	-103	1537			
	Aug.	1537	6	48	-42	1495	123	120	121.5	.816	0	-.816	-99	1396			
	Sep.	1396	6	44	-38	1358	116	114	115.	.798	0	-.798	-92	1266			
	Oct.	1266	6	36	-30	1236	109	107	108.	.652	0	-.652	-70	1166			
	Nov.	1166	7	32	-25	1141	103	101	102.	.463	.250	-.213	-22	1119			
	Dec.	1119	11	24	-13	1106	100	100	100.	.390	0	-.390	-39	1067			
1931	Jan.	1067	24	20	+4	1071	98	98	98.	.375	.423	+0.48	+5	1076			
	Feb.	1076	230	20	+210	1286	98	110	104.	.380	.287	-.093	-10	1276			
	Mar.	1276	38	24	+14	1290	109	110	109.5	.480	0	-.480	-53	1237			
	Apr.	1237	112	28	+84	1321	107	111	109.	.555	.262	-.293	-32	1289			
	May.	1289	83	32	+51	1340	110	112	111.	.639	.142	-.497	-56	1284			
	Jun.	1284	8	44	-36	1248	109	108	108.5	.730	0	-.730	-79	1169			
	Jul.	1169	3	48	-45	1124	103	100	101.5	.792	0	-.792	-80	1044			
	Aug.	1044	5	48	-43	1001	96	94	95.	.816	.043	-.773	-73	928			
	Sep.	928	5	44	-39	889	90	87	88.5	.798	0	-.798	-71	818			
	Oct.	818	6	36	-30	788	83	81	82.	.652	0	-.652	-53	735			
	Nov.	735	6	32	-26	709	76	75	75.5	.463	.391	-.072	-5	704			
	1927	Dec.	704	48	24	+24	728	74	76	75.0	.390	.300	-.090	-7	721		
1928	Jan.	721	58	20	+38	759	76	79	77.5	.375	0	-.375	-29	730			
	Feb.	730	132	20	+112	842	76	84	80.	.380	.185	-.195	-16	826			
	Mar.	826	366	24	+342	1168	84	103	93.5	.480	.426	-.054	-5	1163			
	Apr.	1163	55	28	+27	1190	103	104	103.5	.555	.025	-.530	-55	1135			
	May.	1135	33	32	+1	1136	101	101	101.	.639	.047	-.592	-60	1076			
	Jun.	1076	17	44	-27	1049	98	97	97.5	.730	0	-.730	-71	978			
	Jul.	978	12	48	-36	942	93	90	91.5	.792	0	-.792	-72	870			
	Aug.	870	11	48	-37	833	86	84	85.	.816	0	-.816	-69	764			
	Sep.	764	11	44	-33	731	79	76	77.5	.798	0	-.798	-62	669			
	Oct.	669	11	36	-25	644	72	69	70.5	.652	.004	-.648	-46	598			
	Nov.	598	41	32	+9	607	66	67	66.5	.463	.324	-.139	-9	598			
	Dec.	598	61	24	+37	635	66	68	67.	.390	.420	+0.30	+2	637			

Overflow at Matilija Res. and Vacant Storage space at Casitas Res.
Yield of each Res. = 3000 Ac. ft. per year.

Matilija Reservoir Capacity 7000 Ac. ft.				Casitas Res. Capacity 22,500 Ac. ft.		
Year.	Month.	Storage Beg. of Mon. Ac. ft.	Overflow during Mon. Ac. ft.	Storage Beg. of Mon. Ac. ft.	Vacant Space. Ac. ft.	Overflow during mon. Ac. ft.
1925	Dec.			90	21,410	0
1926	Jan			905	21,595	0
	Feb			2,792	19,708	0
	Mar			6,304	16,196	0
	Apr.			9,772	12,728	0
	May			10,932	11,568	0
	Jun			10,775	11,725	0
	Jul.			10,307	12,193	0
	Aug			9,738	12,762	0
	Sep			9,141	13,359	0
	Oct.			8,580	13,920	0
	Nov			8,161	14,339	0
	Dec			8,036	14,464	0
1927	Jan			9,027	13,473	0
	Feb			11,383	11,117	0
	Mar.			16,088	6,412	0
	Apr			20,517	1,983	0
	May	7,000	112	21,543	957	0
	Jun	7,000	0	21,347	1,153	0
	Jul.	6,514	0	20,782	1,718	0
	Aug	5,969	0	20,092	2,408	0
	Sep	5,538	0	19,362	3,138	0
	Oct	5,014	0	18,669	3,831	0
	Nov	4,649	0	18,178	4,322	0
	Dec	4,867	0	17,811	4,689	0
1928	Jan	5,217	0	17,637	4,863	0
	Feb	5,499	0	17,370	5,130	0
	Mar	6,519	473	17,262	5,238	0
	Apr	7,000	0	17,423	5,077	0
	May	6,706	0	17,023	5,477	0
	Jun	6,293	0	16,546	5,954	0
	Jul	5,927	0	15,907	6,593	0
	Aug	5,535	0	15,213	7,287	0
	Sep	5,162	0	14,517	7,983	0
	Oct	4,787	0	13,867	8,633	0
	Nov	4,516	0	13,346	9,154	0
	Dec.	4,327	0	13,092	9,408	0

Table. 17 Continued.

Overflow at Matilija Res. and Vacant Storage space at Casitas Res.
Yield of each Res = 3000 Ac.-ft. Per Year.

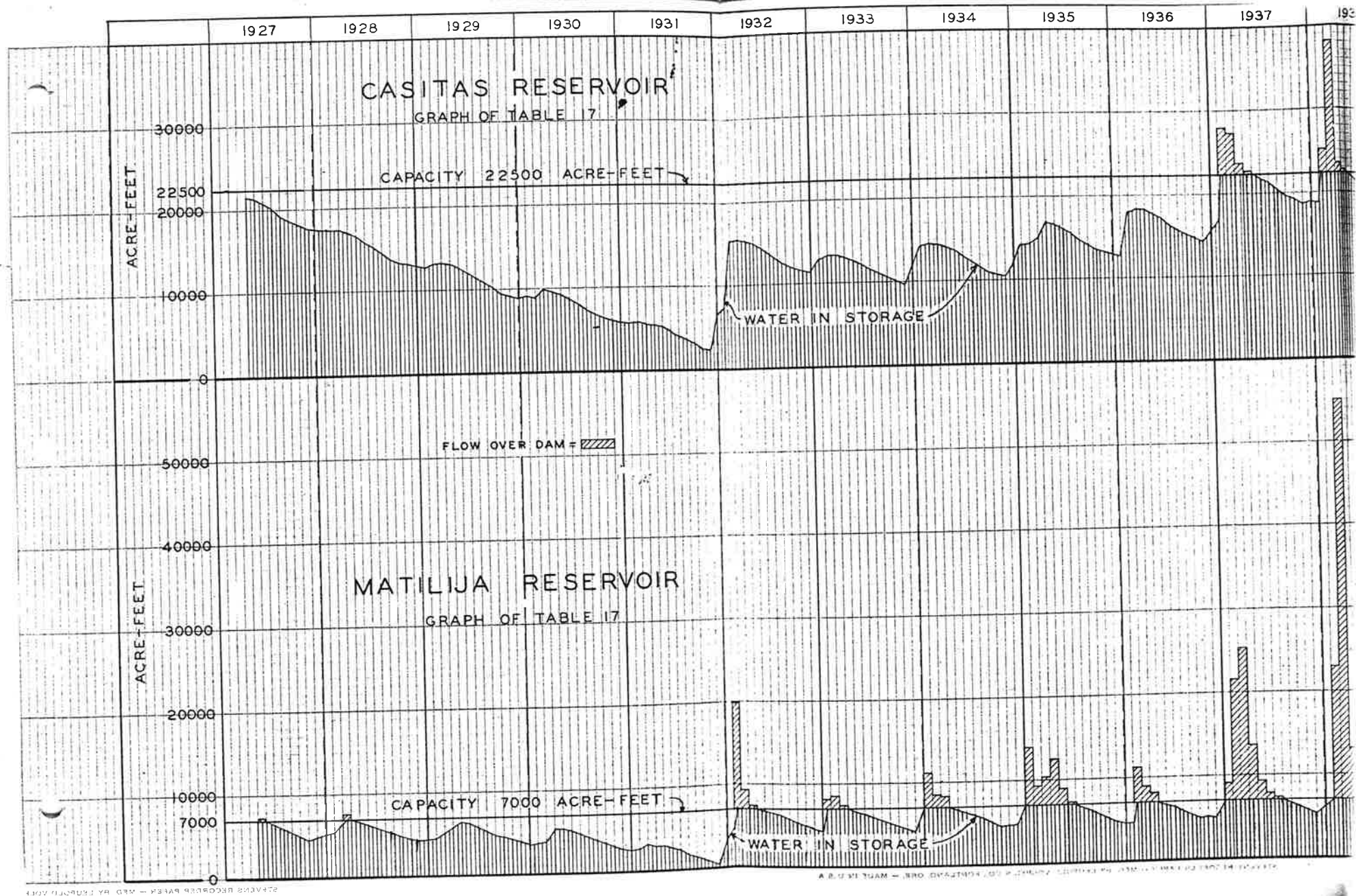
Matilija Reservoir, Capacity 7000 Ac.-ft.				Casitas Res. Capacity 22,500 Ac.-ft.		
Year.	Month.	Storage Beg of Mon. Ac.-ft.	Overflow during Mon. Ac.-ft.	Storage Beg. of Mon Ac.-ft.	Vacant space Ac.-ft.	Overflow durin mon. Ac.-ft.
1929	Jan	4,419	0	12,985	9,515	0
	Feb.	4,531	0	12,847	9,652	0
	Mar	5,151	0	13,085	9,414	0
	Apr.	5,843	0	13,205	9,295	0
	May	6,440	0	13,013	9,487	0
	Jun	6,125	0	12,581	9,919	0
	Jul	5,717	0	11,998	10,502	0
	Aug	5,261	0	11,352	11,148	0
	Sep	4,862	0	10,703	11,797	0
	Oct.	4,493	0	10,103	12,397	0
	Nov.	4,138	0	9,619	12,881	0
	Dec	3,819	0	9,233	13,267	0
1930	Jan	3,517	0	8,933	13,567	0
	Feb	3,708	0	9,118	13,382	0
	Mar	3,910	0	8,925	13,575	0
	Apr	5,453	0	9,914	12,586	0
	May	5,443	0	9,609	12,891	0
	Jun	5,112	0	9,192	13,308	0
	Jul	4,709	0	8,639	13,861	0
	Aug	4,294	0	8,042	14,458	0
	Sep.	3,886	0	7,444	15,056	0
	Oct	3,514	0	6,890	15,610	0
	Nov	3,142	0	6,445	16,055	0
	Dec	2,869	0	6,154	16,346	0
1931	Jan	2,610	0	5,881	16,619	0
	Feb	2,707	0	5,767	16,733	0
	Mar	3,198	0	5,823	16,677	0
	Apr	2,961	0	5,558	16,942	0
	May	2,691	0	5,386	17,114	0
	Jun	2,653	0	5,106	17,394	0
	Jul	2,336	0	4,610	17,890	0
	Aug	1,835	0	4,074	18,426	0
	Sep	1,393	0	3,555	18,945	0
	Oct	1,015	0	3,072	19,428	0
	Nov	639	0	2,690	19,810	0
	Dec	370	0	2,444	20,056	0

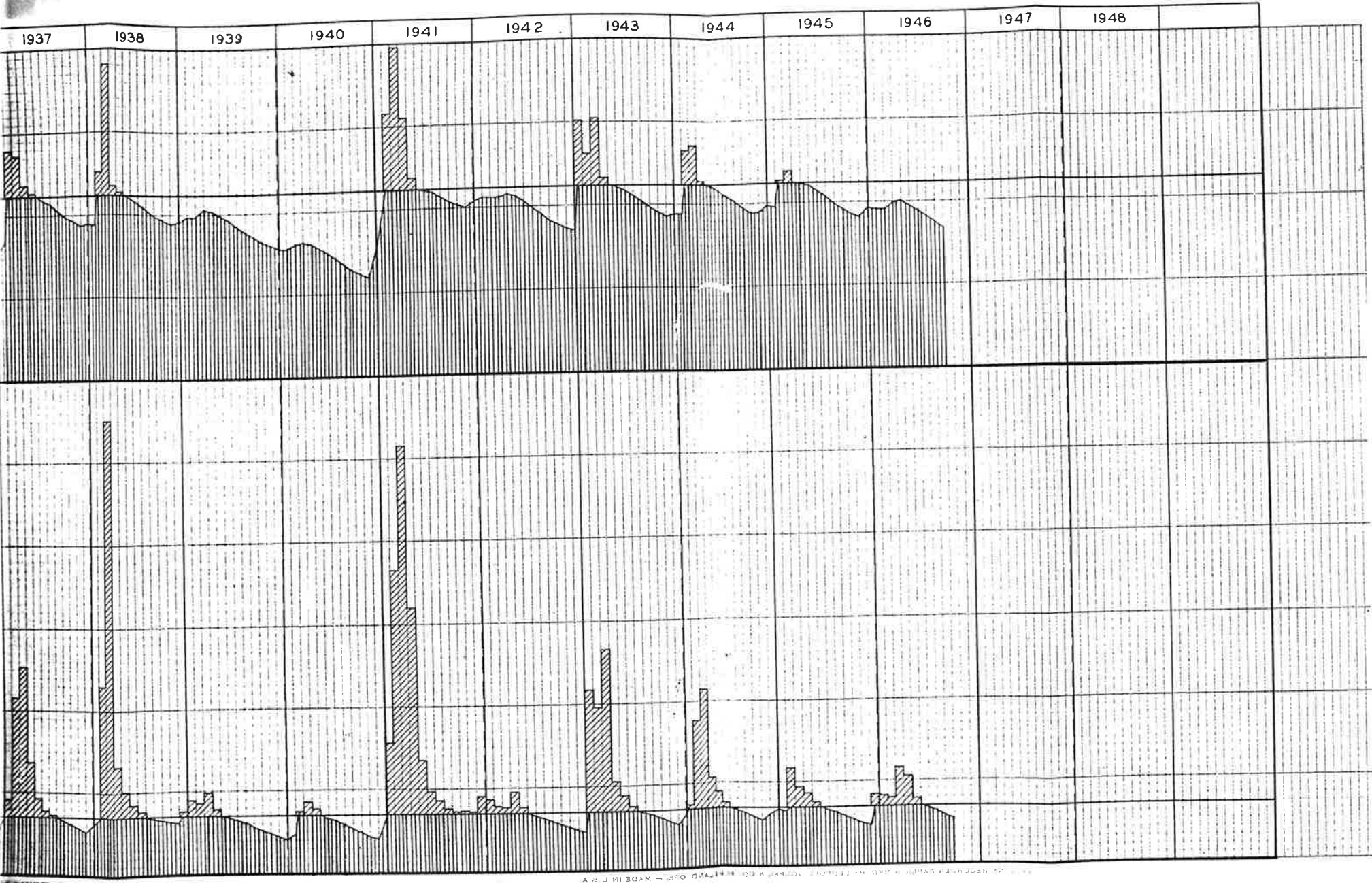
Overflow at Matilija Res. and Vacant Storage Space at Casitas Res.
Yield of each Res = 3000 Ac.-ft. Per Year.

Matilija Reservoir, Capacity 7000 Ac.-ft.				Casitas Res. Capacity 22,500 Ac.-ft.		
Year	Month	Storage Beg. of Mon Ac.-ft.	Overflow during Mon Ac.-ft.	Storage Beg. of Mon Ac.-ft.	Vacant Space Ac.-ft.	Overflow during Mon. Ac.-ft.
1932	Jan	3,156	0	6,500	16,000	0
	Feb	4,696	12,987	7,145	15,355	0
	Mar	7,000	2,347	15,384	7,116	0
	Apr	7,000	517	15,542	6,958	0
	May	7,000	0	15,241	7,259	0
	Jun	6,924	0	14,822	7,678	0
	Jul.	6,545	0	14,236	8,264	0
	Aug	6,119	0	13,587	8,913	0
	Sep.	5,708	0	12,934	9,566	0
	Oct.	5,369	0	12,331	10,169	0
	Nov.	4,966	0	11,912	10,588	0
	Dec.	4,635	0	11,598	10,902	0
1933	Jan	4,383	1091	11,413	11,087	0
	Feb.	7,000	1530	12,952	9,548	0
	Mar	7,000	436	13,232	9,268	0
	Apr	7,000	0	13,226	9,274	0
	May	6,691	0	13,011	9,489	0
	Jun	6,375	0	12,686	9,814	0
	Jul.	5,953	0	12,224	10,276	0
	Aug	5,519	0	11,652	10,848	0
	Sep	5,128	0	11,058	11,442	0
	Oct	4,783	0	10,503	11,997	0
	Nov	4,467	0	10,036	12,464	0
	Dec	4,138	0	9,646	12,854	0
1934	Jan	6,926	4,277	11,998	10,502	0
	Feb	7,000	1,497	14,129	8,371	0
	Mar.	7,000	1,286	14,575	7,925	0
	Apr	7,000	0	14,443	8,057	0
	May	6,823	0	14,060	8,440	0
	Jun	6,375	0	13,576	8,924	0
	Jul.	6,008	0	12,939	9,561	0
	Aug	5,529	0	12,277	10,223	0
	Sep	5,054	0	11,613	10,887	0
	Oct	4,638	0	10,995	11,505	0
	Nov.	4,221	0	10,764	11,736	0
	Dec.	4,709	0	10,614	11,886	0

Overflow at Matilija Res. and Vacant Storage Space at Casitas Res.
Yield of each Res. = 3000 Ac.-ft. per year.

Matilija Reservoir. Capacity 7000 Ac.-ft.				Casitas Res. Capacity 22,500 Ac.-ft.		
Year	Month	Storage Beg. of Mon. Ac.-ft.	Overflow during Mon. Ac.-ft.	Storage Beg. of Mon. Ac.-ft.	Vacant Space. Ac.-ft.	Overflow during Mon. Ac.-ft.
1938	Jan	6,203	0	18,930	3570	
	Feb	6,847	16,080	18,853	3647	2661
	Mar	7,000	48,146	22,500	0	15,556
	Apr.	7,000	6,078	22,500	0	1,021
	May	7,000	3,094	22,500	0	259
	Jun	7,000	1,467	22,500	0	0
	Jul	7,000	595	22,009	491	0
	Aug	7,000	0	21,322	1,178	0
	Sep	6,958	0	20,580	1,920	0
	Oct	6,627	0	19,884	2,616	0
	Nov	6,406	0	19,321	3,179	0
	Dec	6,150	688	18,899	3,601	0
1939	Jan	7,000	1993	19,235	3,265	0
	Feb	7,000	1589	19,800	2,700	0
	Mar	7,000	2853	19,967	2,533	0
	Apr	7,000	989	20,565	1,935	0
	May	7,000	0	20,259	2,241	0
	Jun.	6,910	0	19,825	2,675	0
	Jul	6,565	0	19,171	3,329	0
	Aug	6,052	0	18,437	4,063	0
	Sep	5,633	0	17,695	4,805	0
	Oct	5,200	0	17,040	5,460	0
	Nov	4,870	0	16,475	6,025	0
	Dec.	4,407	0	16,032	6,468	0
1940	Jan	4,136	0	15,746	6,754	0
	Feb	4,877	584	15,650	6,850	0
	Mar	7000	1705	17,125	5,375	0
	Apr.	7000	811	17,213	5,287	0
	May	7000	0	17,003	5,497	0
	Jun	6692	0	16,540	5,960	0
	Jul	6276	0	15,911	6,589	0
	Aug	5786	0	15,218	7,282	0
	Sep	5318	0	14,516	7,984	0
	Oct	4853	0	13,859	8,641	0
	Nov	4385	0	13,362	9,138	0
	Dec.	4093	0	12,956	9,544	0





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