

TEXAS BOARD OF WATER ENGINEERS

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BULLETIN 6006

MONTHLY RESERVOIR EVAPORATION RATES

FOR TEXAS

1940 THROUGH 1957

Prepared by
The late Robert L. Lowry, Jr.
Consulting Surface Water Hydrologist
for
Texas Board of Water Engineers

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PREFACE

This report was prepared for the Board of Water Engineers by the late Robert L. Lowry, noted Consulting Surface Water Hydrologist, of Austin, Texas. A summary of this study was contained in the Board's Progress Report to the Fifty-Sixth Legislature.

Mr. Lowry's determination of evaporation rates follows a method which has been in use by engineers and hydrologists for many years. This method uses the 550 station-years of available evaporation pan records in Texas and corrects these data by coefficients (percentages) to determine the evaporation rates from a reservoir water surface. His procedures are clearly described and the resulting computed evaporation rates tabulated.

As no experimental data on pan coefficients were available for Texas Mr. Lowry had to estimate these coefficients from other states which have different climatic conditions. Since the many inter-related factors which cause variations in pan coefficients have not been clearly defined it was necessary for Mr. Lowry to exercise some professional judgement between certain limits in his final selection of appropriate coefficients for Texas. His report states:

"While the results presented herein are based on the best information available they are still no better than the original data, and future evaporation research in Texas may indicate the need for slight revision in some cases."

The Board of Water Engineers is currently engaged in experimental field determinations which will define evaporation pan coefficients for Texas. At the conclusion of this experimental program in 1962 the Board will review Mr. Lowry's study in the light of the pan coefficients actually determined in Texas.

Mr. Lowry's report is released at this time for use in the interim period by those engaged in water resources investigations and planning and who have need for this kind of information.

Board of Water Engineers

By: *Durwood Manford*
Durwood Manford, Chairman



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FOREWORD

One of the many variable factors in hydrology which has received intensive study has been the climatic process of evaporation. Investigations have been made under laboratory and field conditions in an attempt to determine and evaluate the many factors inherent in this process. Various related climatic phenomena have been found to influence the rate of evaporation, the most important of which are temperature, precipitation, humidity, and wind movement. Perhaps the most widely investigated evaporation factor has been the relationship between evaporation measured from various types of pans and actual reservoir evaporation. These investigations offer convincing evidence of the importance of the evaporation process in water-supply analyses. Evaporation losses are of prime importance in Texas since some of the highest evaporation rates ever observed have been recorded here. However, since a great variance in related climatic factors occurs in Texas, there is a wide variability in the evaporation rates between the eastern and western parts of the State.

In order to provide data on the evaporation rates applicable to water-supply analyses in Texas, the Board of Water Engineers entered into a contract on August 29, 1958 with the late Robert L. Lowry for professional services to study the following:

- "(a) Review and investigate the existing network of evaporation and climatological stations pertaining to the evaporation data for the entire State of Texas for the purpose of determining gross and net monthly evaporation rates for the period 1940 through 1957 inclusive.
- (b) Prepare a base State map showing applicable quadrangles, approximately 75 for the entire State, for which basic evaporation rates will be determined.
- (c) Prepare tables and charts from which monthly rates of evaporation can be obtained for water-supply analyses.
- (d) Prepare a summary report covering the work, including methods and procedures used in development of data and explanation as to the proper use of results obtained."

This report describes the investigations made under the above contract and presents the results. During the course of the study the available evaporation data for Texas was reviewed. A section of this report contains suggestions for a continuing state-wide evaporation program along with certain recommendations.

ACKNOWLEDGEMENTS

Several agencies of the Federal and State governments involved in the study of water resources have contributed data and information utilized in the development of this report. Included among these agencies are the following:

- (1) U. S. Weather Bureau, Department of Commerce.
- (2) U. S. Bureau of Reclamation, Department of Interior.
- (3) United States Section, International Boundary and Water Commission, Department of State.
- (4) Texas Board of Water Engineers.

The assistance and cooperation rendered by these various agencies is gratefully acknowledged.

MONTHLY RESERVOIR EVAPORATION RATES
FOR TEXAS
1940 THROUGH 1957

INTRODUCTION

Evaporation is the climatic process by which moisture is picked up from any source and transported as vapor to other locations by wind movement. While the major source of evaporation is the surface of the oceans of the earth, significant quantities of water are also evaporated from lakes, reservoirs, ponds and streams. An additional amount of moisture is taken up by evapo-transpiration from the soil and plant cover. In periods of excessive rainfall all climatic factors combine to minimize the effects of evaporation. Conversely, in dry periods, when water supplies are already reduced, evaporation rates are higher and the effect of the evaporation loss becomes a significant item in any Texas water-supply analysis.

This report covers an investigation of the monthly evaporation rates applicable to Texas during the eighteen-year period 1940 through 1957. This period was chosen because it includes a series of both wet and dry years. Investigations of existing or proposed reservoirs during this period would generally reveal a time of fill and spill during the early years and a subsequent extended period of drawdown after 1950. The drawdown period, which is generally the critical low flow period of Texas, was terminated by the large volumes of runoff following the spring rains during 1957.

Certain somewhat similar terms used herein need definitions relative to their meaning:

1. Pan evaporation. The observed evaporation as measured in one of several types of standard evaporation pans, each of which is small in comparison with a reservoir.
2. Pan coefficient. A variable factor obtained by experiment to apply to a particular pan evaporation to convert it to lake surface evaporation.
3. Gross Lake Surface Evaporation. The total evaporation loss from a unit area of lake surface, obtained by applying the appropriate coefficient to the pan evaporation.
4. Effective Rainfall. The rainfall over the reservoir site less the amount that escaped as runoff which is already reflected by the runoff records.
5. Net Lake Surface Evaporation. This is the actual evaporation loss which would occur, and is obtained as the gross lake surface evaporation less the effective rainfall.

This study makes use of all available pan evaporation data in Texas and adjacent states, and all available published and unpublished information on pan coefficients. Monthly pan coefficients have been derived to make the results as realistic as possible. Additional research is needed in Texas relative to actual reservoir evaporation losses and the hydrologic methods best suited for

their determination. While the results presented herein are based on the best information available, they are still no better than the original data, and future evaporation research in Texas may indicate the need for slight revision in some cases.

AVAILABLE DATA

Considerable data are available in Texas on rates of evaporation as measured by various types of pans. The three general types of pans currently in use are:

<u>Name</u>	<u>Size (Inches)</u>		<u>Remarks</u>
	<u>Diameter</u>	<u>Depth</u>	
Young (Screened)	24	36	Sunken in ground
Bureau of Plant Industry	72	24	Sunken in ground
Weather Bureau Class A	48	10	On Low Wood Platform

Monthly pan evaporation data have been obtained from the following agencies:

- U. S. Weather Bureau
- Texas Board of Water Engineers
- International Boundary and Water Commission
- U. S. Bureau of Reclamation

Also from the following publications:

- Water Evaporation Studies in Texas, Bulletin 787, Texas Agricultural Experiment Station, November 1954, prepared in cooperation with the Texas Board of Water Engineers and U. S. Department of Agriculture.
- Climatological Data, Annual Summaries, U. S. Weather Bureau.
- Climatological Summary, New Mexico, Technical Report No. 5, New Mexico State Engineer Office, 1956.
- Water Bulletins, International Boundary and Water Commission.

The pan evaporation data available in Texas during the period 1940 through 1957 are summarized in table 1. This table lists the names of the stations, their location, the type of pan or pans in operation, the period of available record, and appropriate remarks. Of the 60 stations listed, only 13 have records that cover the entire period.

An additional 14 stations, which have records covering part of the study period, are located in adjacent states. These records were also used where deemed appropriate. Pertinent information for these stations is summarized in table 2.

The appropriate coefficients applicable to these pan data are described under the sub-heading, Determination of Gross Reservoir Evaporation.

In evaluating these pan evaporation data it was found that many of the earlier records were inconsistent and hardly reliable. Descriptions of 24 Bureau of Plant Industry pans as installed indicate that only 15 of the pans were made according to the standard specifications, which call for a diameter of 72 inches. The remainder had the following diameters: 1 pan, 54 inches; 1 pan, 70.5 inches; 1 pan,

Table 1

EVAPORATION STATIONS IN TEXAS

Name of Station	County	Latitude	Longitude	Type Pan	Available Records	Remarks
Amarillo Experiment Station	Potter	35 10	102 05	W. B. Y.	1907-1919, 1941-1953 1950-1957	Records 1907-1953 for April-Sept. only Y pan began in August 1950
Angleton Experiment Station	Brazoria	29 12	95 23	B. P. I.	1915-1957	
Alto	Cherokee	31 06	95 09	Y.	1955-1957	Record began in April 1955
Austin Weather Bureau	Travis	30 18	97 42	W. B.	1916-1935, 1942-1957	Records 1916-1935 for Hill's Ranch
Balmorhea Experiment Station	Reeves	31 00	103 41	B. P. I. W. B. Y.	1916-1957 1940-1947 1950-1957	Record began in August 1950
Beaumont Experiment Station	Jefferson	30 04	94 17	B. P. I. Y.	1917-1957 1950-1957	Began Sept. 1950
Beeville Experiment Station	Bee	28 27	97 42	B. P. I. Y.	1915-1957 1955-1957	75 inch diameter pan Began Mar. 1955
Belton Dam	Bell	31 07	97 28	W. B.	1953-1957	
Benbrook Dam	Tarrant	32 39	97 27	W. B.	1953-1957	
Big Spring Experiment Station	Howard	32 15	101 27	B. P. I. W. B. Y.	1916-1957 1956-1957 1955-1957	Records 1916-1945 for April-Sept. only
Blacklands Experiment Station	McLennan	31 29	96 53	B. P. I. Colo. W. B.	1940-1957 1940-1942 1940-1942	W. B. Pan made of copper instead of standard galvanized material Began April 1955 Discontinued June 1957
Brazoria Lake	Brazoria	29 05	95 36	Y.	1955-1957	
Brazos River Field Laboratory	Brazos	30 33	96 26	Y.	1952-1957	
Buchanan Dam	Llano	30 44	98 25	B. P. I. Y. W. B.	1943-1957 1943-1957 1943-1957	
Chillicothe Experiment Station	Hardeman	34 17	99 29	B. P. I.	1912-1957	Records 1912-1922 for growing season only
College Station	Brazos	30 36	96 20	B. P. I.	1916-1951	96 inch diameter pan
Dalhart Experiment Station	Dallam	36 01	102 35	B. P. I.	1908-1935; 1939-1950	Records for April through Sept. only
Del Rio Weather Bureau	Val Verde	29 22	100 49	W. B.	1946-1957	
Denison Dam	Grayson	33 49	96 34	W. B.	1948-1957	
Denton Experiment Station	Denton	33 15	97 11	B. P. I. Y.	1917-1957 1953-1957	
Dilley	Frio	28 40	99 10	W. B.	1929-1957	
Dryden	Terrell	30 08	102 10	W. B. Y. 12 ft.	1944-1957 1949-1957 1949-1957	
Falcon Dam	Zapata	26 35	99 10	Y.	1950-1957	
Fort McIntosh	Webb	27 40	99 30	Y. W. B. 12 ft.	1950-1957 1950-1957 1950-1957	

Table 1, continued

Name of Station	County	Latitude	Longitude	Type Pan	Available Records	Remarks
Fort Stockton	Pecos	30 34	102 52	W. B.	1940-1942, 1944-1957	
Grandfalls	Pecos	31 15	102 53	W. B.	1940-1950, 1954	
Grapevine Dam	Tarrant	32 58	97 03	W. B.	1953-1957	
Hords Creek Dam	Coleman	31 51	99 34	W. B.	1953-1957	
Iowa Park Experiment Station	Wichita	33 55	98 39	B. P. I. Y.	1926-1953 1953-1957	96 inch diameter pan
Johnson Ranch	Brewster	29 05	103 25	Y.	1949-1957	
Lake Colorado City	Mitchell	32 20	100 55	W. B.	1954-1957	
Lake Houston Dam	Harris	29 55	95 08	Y.	1956-1957	Record begun September 1956
Lake Kickapoo	Archer	33 40	98 47	B. P. I. Y.	1948-1957 1948-1957	Same winter months do not have records
Laredo Weather Bureau	Webb	27 32	99 28	W. B.	1948-1957	
Lavon Dam	Collin	33 02	96 29	W. B.	1949-1957	
Lubbock Experiment Station	Lubbock	33 35	101 48	B. P. I. Y.	1917-1957 1950-1957	70.5 inch diameter pan Record begun September 1950
Mansfield Dam	Travis	30 22	97 55	Y. W. B.	1944-1957 1944-1957	
Maravillus	Brewster	29 30	102 50	Y.	1949-1957	
Nacogdoches Experiment Station	Nacogdoches	31 36	94 38	B. P. I.	1915-1947	
Oak Creek Reservoir	Coke	32 02	100 15	Y.	1955-1957	Record begun June 1955
Point Comfort	Calhoun	28 39	96 33	W. B.	1957	Record begun November 1957, Aluminum Pan W. B. size
Possum Kingdom Dam	Palo Pinto	32 52	98 26	Y. B. P. I. W. B.	1951-1957 1951-1957 1951-1957	
Prairie View Experiment Station	Waller	30 08	96 09	Y. B. P. I. W. B.	1951-1957 1951-1957 1951-1957	
Presidio	Presidio	29 30	104 25	Y.	1949-1957	
Red Bluff Dam	Reeves	31 54	103 55	W. B.	1940-1947, 1952-1957	
San Angelo Dam	Tom Green	31 28	100 29	W. B.	1953-1957	

Table 1, continued

Name of Station	County	Latitude	Longitude	Type Pan	Available Records	Remarks
Sonora Experiment Station	Sutton	30 16	100 35	Y. B.P.I.	1950-1957 1950-1957	
Spur Experiment Station	Dickens	33 29	100 52	W.B. B.P.I.	1950-1957 1916-1954	72 inch pan up to October 1941; 54 inch pan from December 1941 to 1954 Record begun on September 1954
Spurger Dam B	Tyler	30 48	94 11	W.B.	1954-1957	
Stephenville	Erath	32 15	98 10	W.B. Y.	1953-1957 1953-1957	
Temple Experiment Station	Bell	31 03	97 21	B.P.I.	1915-1957	96 inch diameter pan
Thompsons 3 WSW	Ft. Bend	29 29	95 38	W.B.	1957	Station began June 1957
Texarkana Dam	Cass	33 18	94 10	W.B.	1956-1957	Station began February 1956, 4 foot sunken pan with screen
Tortuga Ranch	Maverick	28 43	100 24	Y.	1952-1954	Incomplete record
Tyler Experiment Station	Smith	32 27	95 22	B.P.I. Y.	1933-1957 1951-1957	96 inch diameter pan
Weslaco Experiment Station	Hidalgo	26 09	97 58	B.P.I. Y.	1932-1957 1954-1957	96 inch diameter pan
Whitney Dam	Bosque	31 51	97 22	W.B.	1953-1957	
William Harris Reservoir	Brazoria	29 15	95 33	Y. B.P.I.	1948-1957 1948-1957	
Winter Haven Experiment Station	Dimmit	28 38	99 52	W.B. B.P.I. Y.	1948-1957 1931-1950 1951-1957	120 inch diameter pan
Ysleta Experiment Station	El Paso	31 42	106 19	Y. B.P.I. W.B.	1952-1957 1952-1957 1940-1957	

Note: Standard size pan used except where shown under remarks.

Table 2

EVAPORATION STATIONS IN ADJACENT STATES

<u>Name of Station</u>	<u>County</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Type Pan</u>	<u>Available Records</u>	<u>Remarks</u>
Arkansas						
Hope Exp. Farm	Hempstead	33 43	93 33	W. B.	1946-1957	
Nimrod Dam	Perry	34 57	93 10	W. B.	1946-1957	
Louisiana						
Hackberry Exp. Farm	Cameron	29 53	93 25	W. B.	1948-1957	
New Mexico						
Agricultural College	Dona Ana	32 17	106 45	W. B.	1918-1957	
Alamogordo Reservoir	De Baca	34 36	104 23	W. B.	1939-1957	
Caballo Reservoir	Sierra	32 54	107 18	W. B.	1942-1957	
Lake Avalon	Eddy	32 29	104 15	W. B.	1952-1957	
Lake McMillan	Eddy	32 36	104 20	W. B.	1940-1949	
Oklahoma						
Altus Dam	Kiowa	34 53	99 18	W. B.	1947-1957	Records began August 1947
Canton Dam	Blaine	36 05	98 36	W. B.	1947-1957	Some winter records missing
Fort Supply Dam	Woodward	36 33	99 35	W. B.	1942-1957	Some winter records missing
Lawton	Comanche	34 36	98 24	B. P. I.	1943-1950	Records for March to November only
Tipton	Tillman	34 26	99 08	W. B.	1942-1957	Some winter records missing
Wister Dam	LeFlore	34 56	94 43	W. B.	1947-1957	

75 inches; 5 pans, 96 inches; and 1 pan, 120 inches. Pan coefficients have not been made available for these non-standard pans. Furthermore, some of these data, including observations on the standard B.P.I. pans and also the Weather Bureau pans, are wholly inconsistent with recent records at the same stations, or with records at nearby stations for the same time interval.

The construction of new reservoirs in Texas following World War II resulted in the installation of numerous new evaporation stations. In addition to the additional data thus provided, an effort at standardization of the equipment at existing stations was begun about 1950. The evaporation pan data for the period from 1950 through 1957 were found to be much more reliable than those for the earlier period. The pan evaporation data for 1940 through 1949 in general were found to be quite erratic and unreliable. Fortunately these more unreliable data cover a period of generally ample water supply. Better quality evaporation data are available for the generally critical water-supply period of 1950 through 1956.

DESIGNATION OF QUADRANGLES

Since evaporation rates were known to vary widely across Texas it was deemed advisable to determine the net evaporation rates for the smallest practical unit of area. In order to facilitate future use of the results obtained as well as to provide adequate coverage it was decided in conference with representatives of the Board of Water Engineers to divide the State into quadrangles along the one degree parallels of latitude and longitude. This division resulted in a total of 75 quadrangles with the designations and locations of areas as shown in plate 1.

As shown by this map some of the border areas do not cover a complete quadrangle. In a few instances these small areas were included with adjacent full quadrangles as shown by the connecting arrows.

The map shows numbers on the horizontal margin and letters on the vertical edge. The designation of each quadrangle is obtained by the intersection of the horizontal and vertical coordinates. For example, Austin lies within the quadrangle bounded by latitudes 31 and 32 degrees north and longitudes 97 and 98 degrees west. The chart shows this quadrangle to have the designation G-10. The evaporation rates for this quadrangle are contained in the Appendix on page G-10.

DETERMINATION OF GROSS RESERVOIR EVAPORATION

Monthly gross reservoir evaporation rates were tabulated at all stations for the period of record. As shown in Table 1, many of the evaporation stations do not have records covering the complete period of study. The monthly gross lake surface evaporation rates for the missing period of record were determined by correlating with stations which had records covering the full period.

The use of an annual coefficient applied to monthly pan evaporation to obtain gross lake surface evaporation rates has long been accepted practice. While the annual rates so obtained were considered approximately correct, it has been found that actual reservoir monthly evaporation rates were appreciably different than those obtained by applying the annual coefficient to monthly pan data. A joint investigation of evaporation by a number of State and Federal agencies led to publication in 1952 of Geological Survey Circular 229 entitled, "Water Loss Investigations, Volume 1 - Lake Hefner Studies, Technical Report." One

important phase of this investigation was the determination of monthly coefficients at that location for the several types of evaporation pans in general usage. The report on this portion of the investigation states (p. 144):

"Observations demonstrate conclusively that the coefficients vary throughout the year and that the mean annual coefficient cannot be used to estimate monthly lake evaporation."

Monthly pan coefficients for the various Weather Bureau, Bureau of Plant Industry, and Young Screened pans, were determined during the Lake Hefner studies. Monthly coefficients had previously been determined by Young at Lake Elsinore, California for the Weather Bureau and Young Screened pans; and computed by the Weather Bureau at Lake Okeechobee, Florida, for the Weather Bureau pan. Monthly coefficients were computed for the Weather Bureau pans at Fort McIntosh (Laredo) and Dryden using the 12 foot sunken pan as unity. A comparison of these studies on monthly coefficients indicated all data had the same trend. Coefficients for all pans were highest in the late summer and fall and lowest during the spring months.

Bulletin 787 of the Texas Agricultural Experiment Station published in December 1954, in cooperation with the Texas Board of Water Engineers, suggests annual coefficients for Texas for the three general types of pans used in this study. The monthly coefficients obtained using the aforementioned data and shown in table 3 were adjusted slightly to conform to the suggested annual coefficients.

Gross lake surface evaporation rates were computed for each evaporation station, and annual isograms of evaporation were drawn. The annual gross lake surface evaporation rates for each quadrangle were taken directly from these eighteen charts. These annual rates were distributed by months in accordance with the actual monthly distribution determined at nearby evaporation stations. The monthly gross lake surface evaporation rates for each quadrangle are shown for the full period of study in the upper half of the tables in Appendix A.

TOTAL RAINFALL IN EACH QUADRANGLE

The average monthly rainfall over each quadrangle was determined on the basis of rainfall stations located within the quadrangle. An average of three or four stations in each quadrangle was deemed adequate for the area for this purpose. However, in quadrangles where there were five to six station records available, an average of the full number was used.

Average monthly rainfall figures were determined for each month for the period 1940 through 1957.

EFFECTIVE RAINFALL

The rainfall that is effective in offsetting part of the evaporation loss has been previously defined as the rainfall over the reservoir site less the amount that has run off and is already reflected in the runoff records. The part of the rainfall that appears as runoff must be deducted to prevent duplication of this amount of water in planning studies. This definition is directly applicable to a proposed reservoir. When studying an existing reservoir, one must consider 100 percent of the rainfall which fell on the reservoir surface since it all was effective in reducing the evaporation.

Table 3

MONTHLY EVAPORATION PAN COEFFICIENTS

<u>Month</u>	<u>Weather Bureau Class A Pan</u>	<u>Bureau of Plant Industry Pan</u>	<u>Young Screened Pan</u>
January	0.77	1.03	0.97
February	0.67	0.91	0.87
March	0.64	0.78	0.81
April	0.64	0.76	0.79
May	0.68	0.78	0.81
June	0.73	0.85	0.91
July	0.79	0.94	1.03
August	0.84	1.03	1.12
September	0.88	1.11	1.19
October	0.91	1.16	1.21
November	0.92	1.17	1.19
December	0.89	1.12	1.10
Annual	0.78	0.97	1.00

Many factors affect the rate of runoff as measured at stream-gaging stations. Some of these factors are: rainfall intensity and duration, watershed cover and slope, soil characteristics, and antecedent rainfall conditions. The runoff from each storm on a given watershed may vary because of these conditions. Since such variations exist it was deemed advisable to use average percentages of runoff for each quadrangle, varying these for sustained periods of more than average rainfall, for sustained periods of deficient rainfall, and for other periods of average rainfall.

Drainage areas were chosen in each quadrangle and the annual runoff obtained from records of the U. S. Geological Survey. The total volume of rainfall on these drainage areas was obtained from charts which had previously been prepared. The resulting comparison of the volumes of rainfall and runoff provided the average percentages of rainfall which appeared as runoff.

NET LAKE SURFACE EVAPORATION RATES

The net lake surface evaporation rates by months for each quadrangle were derived by subtracting the effective rainfall from the gross lake surface evaporation. These values in inches were then converted to rates in terms of depth in feet to facilitate water-supply analyses. The monthly rates for each quadrangle are shown on the lower half of each sheet in Appendix A.

A series of four plates follow. Two depict the average annual net lake surface evaporation rates for the periods 1940 through 1957, and 1950 through 1956, respectively. An average annual rainfall chart is shown for each of these two periods.

Average annual net evaporation rates for the 1940-1957 period are shown to vary from 0 inches on the eastern edge of the State to about 95 inches on the western side. The rainfall during this same period ranges from 55 inches on the east side to less than 10 inches in west Texas. Excess rainfall occurred during the first seven years of this period, while during the 1950-1956 period it was only about 80 percent of the long-time average. With the gross evaporation rates greater and with less rainfall to reduce these rates, the net evaporation rates during the drought were higher than the average. During wet years with ample water supplies, the evaporation rates are low, but during dry years the evaporation rates are high and the water supply is low. Therefore, it is in such critical drought years that the evaporation losses are most important in reservoir design and water-supply problems.

An inspection of all four plates indicates that lines of equal evaporation and equal rainfall noticeably tend north and south. While rainfall offsets evaporation to a large extent in east Texas the western part of the State has high rates of evaporation, with only a low rainfall to help in reducing its effect. This results in evaporative losses which are low to moderate in east Texas, but from high to very high in west Texas.

The annual net evaporation rate is not evenly distributed through the year. Average monthly net evaporation rates for Quadrangle G-10 (Austin) are contained in Table 4 for the 1940-1957 and 1950-1956 periods. These values show the maximum month to be August in both periods, while the month of least evaporation is shown to be February. The monthly data for the 1950-1956 period are higher in all months than the corresponding data for the 18-year average as a result of less rainfall and temperatures that were generally above average during the recent drought.

The percentage of the annual evaporation which occurs in each month is also shown in Table 4. This monthly distribution is similar for both periods with most of the annual evaporation occurring in the 5 months of June through October. For the 18-year period 81 percent of the annual evaporation occurred in these 5 months, while for the 1950-1956 period 72 percent of the total evaporation took place in these same months. In years of deficient rainfall the net evaporation rates in all months are higher and the monthly distribution of the evaporation tends to be more uniform than in wet years.

An inspection of the tables in Appendix A shows that evaporation is a continuous process, even in the more humid eastern portions of the State. The gross evaporation rates show evaporation is taking place at all times, although the net rates show that in many months it is partially or completely offset by rainfall.

The rate of evaporation varies during the day as well as by the month. Since it is a continuing function and not as erratic in occurrence as rainfall, evaporation can be determined from fewer stations than rainfall.

APPLICATION OF RESULTS

The monthly gross and net evaporation rates in Appendix A will principally be useful in connection with water-supply analyses. This most probable use determined the choice of units for the final results; i.e., the gross rate is shown in inches while the net rate is given in feet.

Use of the net rate will primarily be for the study of proposed reservoirs. These net rates have accounted for the surface runoff from the areas which would be inundated by proposed reservoirs. The runoff from this reservoir area is usually included in the computed inflow.

During some months the effective rainfall is greater than the gross lake surface evaporation rates. In these cases a "negative net evaporation" is shown in the tables. These "negative" values represent increased inflows during the month when used in reservoir operation study.

In order to determine the monthly evaporation loss from a proposed reservoir it is only necessary to multiply the net monthly evaporation rate as given by the average reservoir surface area in acres during the month. The loss indicated will then be in terms of acre-feet.

When a study is to be made of an existing reservoir the gross reservoir evaporation rates contained at the top of the tables in Appendix A should be used. THESE MONTHLY GROSS RATES WILL HAVE TO BE REDUCED BY 100 PERCENT OF THE RAINFALL FOR AN EXISTING RESERVOIR FOR EACH MONTH OF THE PERIOD WHEN THE RESERVOIR WAS IN OPERATION. Monthly rainfall data can be obtained from U. S. Weather Bureau publications for stations at or around the reservoir. In this type study all the monthly rainfall is subtracted from the monthly gross evaporation rate to determine the net evaporation rate. The net evaporation rate, after it is obtained by this method, is used in the same manner as described above.

In the event a recently constructed reservoir is to be studied, the first method described above would be used for the period prior to construction and the second method for the period of actual operation. Intermediate values between the rates obtained by these two methods may be needed for the period of initial filling of the reservoir. This would depend upon the length of time required to fill the reservoir to the normal range operating levels, as well as

Table 4

AVERAGE MONTHLY NET EVAPORATION RATES
QUADRANGLE G-10

<u>Month</u>	<u>Average for Period 1940-1957 in Feet</u>	<u>Percent of Annual</u>	<u>Average for Period 1950-1956 in Feet</u>	<u>Percent of Annual</u>
January	0.04	1.5	0.14	3.7
February	.02	0.7	.04	1.0
March	.12	4.4	.22	5.8
April	.04	1.5	.15	3.9
May	.14	5.1	.17	4.5
June	.32	11.7	.46	12.1
July	.58	21.2	.69	18.2
August	.63	23.1	.73	19.2
September	.39	14.3	.47	12.4
October	.29	10.6	.40	10.5
November	.12	4.4	.21	5.5
December	.04	1.5	.12	3.2
Annual	2.73	100.0	3.80	100.0

the area vs. capacity characteristics of the individual reservoir.

The gross and net evaporation rates are average values for the area within each quadrangle and are representative of the central area of each quadrangle. If a proposed reservoir site is not in the central area of a quadrangle, the rates at the site may be obtained by prorating the data between the midpoints of two adjacent quadrangles.

The gross and net evaporation rates contained in Appendix A are total values for the months shown. Since daily values of evaporation vary appreciably within the month the determination of average daily values from the monthly totals contained herein may be subject to large percentage errors for individual days. This is quite evident when the number of days of rainfall and the daily fluctuations in temperature, humidity, and wind are all considered.

SUGGESTIONS FOR A STATE-WIDE EVAPORATION PROGRAM

The importance of evaporation in the hydrologic cycle has been recognized for years. Efforts were started some sixty years ago to determine the rates of evaporation by scientific means. These efforts have resulted in a vast volume of information covering various periods of time and many different locations. However, many of the data so far collected are of questionable value, because of the circumstances under which they were assembled. There is a great amount of misinformation now included in the records, which needs to be culled before proper use can be made of the data.

Confusion results from the many types of pans that are in use. In Texas three different types of pans are now recognized, and are in general usage:

Young Screened Pan
Standard Weather Bureau Class A Pan
Bureau of Plant Industry Pan

Descriptions of these pans and the approved specifications for their setting may be found in published literature.

In addition to the accepted standards for each of these three types of pans, there are many others in use. Some of these are different types (floating pans, etc.), while others are variations from the standards. Some such variations result from size, wherein the range runs all of the way from several inches of exposed water surface to tanks many feet in diameter. Different kinds of materials have been used, with quite variable results due to the heat-absorptive capacity of the metal. Location and exposure in relation to surroundings are both of extreme importance, and yet these factors continually neglected in the setting of many pans.

As indicated above, all of this variation in connection with the records results in a multitude of figures, each purporting to represent the true evaporation, but in reality each only reflecting the results for the peculiar setting of that particular pan.

Some evaporation pan data are reported in "raw" form and include only the observations which were made. Adjustments are usually made for days of missing record or where an accumulated reading of several days was made. These adjustments usually result in higher final values than initially shown by the "raw"

data. The general distribution of "raw" data prior to its review and adjustment has resulted in two or more sets of conflicting data for some stations.

Three types of evaporation pans are being operated simultaneously at a number of stations and others have two different pans. In many instances data for one type of pan is published with a designation of another type pan. This results in the computation of erroneous evaporation rates when the improper coefficient is applied.

Comparative values of evaporation rates are available from several stations where the three different types of pans have been operated simultaneously for various periods. The evaporation rates calculated from the three types of pans that have been used in different parts of Texas have been examined, using the monthly coefficients listed in table 3. It was found that the annual evaporation rates as determined from the Bureau of Plant Industry, and Weather Bureau pans ordinarily varied from 2 to 5 percent from the results indicated by the Young Screened pan, although the rates for individual years departed by as much as 10 percent.

While the annual evaporation rates as above indicated are in general agreement with reference to the 3 types of pans, larger variations were noted in some of the monthly values. These differences were not consistently common to any one month, but appeared to have a random occurrence. There is some indication from the data that the monthly pan coefficients may vary in different climatic regions of the State or possibly, with climatic variations in a given area.

From this it is concluded that research should be carried on at as many Texas reservoirs as possible to provide better information on monthly coefficients.

Collection of data in itself is of little value unless proper interpretation is made of it. The problem is one of the relative division of effort. If the data are too meager, the hydrologist must of necessity resort to time consuming correlations or extrapolations. On the other hand the collection of extensive data frequently overshadows the paltry amount of effort expended on its interpretation and evaluation. While additional evaporation data are badly needed at existing stations, and certain new stations should be installed in certain areas, more consideration should also be given to setting up a continuing program by which all of the present information on the subject could be properly evaluated. If a means for periodically summarizing and publishing evaporation data could be provided by the State, it would greatly assist in the evaluation of the data.

In view of the foregoing the following recommendations are offered for a State-wide continuing program of evaporation study.

1. Continue obtaining pan evaporation data at the stations now in existence.
2. Standardize the installation and equipment at all existing and future stations in accordance with established criteria. If an existing station is to be standardized and it is deemed appropriate to install a new evaporation pan, obtain evaporation data from both the old and new pans for a period of at least two years.
3. Standardize maintenance of evaporation stations with particular reference to keeping the pans free of algae and windblown debris.
4. Obtain data in east, central, and west Texas from actual reservoir studies to verify monthly coefficients used herein.

5. Install new evaporation stations at existing reservoirs or proposed sites in areas which are far from existing evaporation stations.
6. Maintain a complete file of all evaporation data collected in Texas by Federal, State, and local agencies, including correct pan type and adjusted pan evaporation data, plus wind, temperature, rainfall, and humidity information.
7. Periodically publish a summary of pertinent evaporation data.
8. Investigate alternate possible methods of determining reservoir evaporation pans.
9. Adopt one pan which is most appropriate, and work toward making it the standard for all future evaporation observations in Texas.
10. Gradually convert all present pans of a different specification to the adopted standard, with the end to obtaining comparable data at all points in the State.

APPENDIX A

TABLES OF MONTHLY

GROSS AND NET LAKE SURFACE EVAPORATION RATES

QUADRANGLE A - 5

Lat. 36° to 37° N.

Long. 102° to 103° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	0.8	2.9	5.3	5.8	7.5	8.4	11.1	8.7	8.4	6.9	3.7	2.5	72.0
1941	1.7	2.0	3.2	5.3	5.8	6.7	6.9	7.3	6.5	4.0	3.0	2.6	55.0
1942	1.9	2.5	4.5	5.2	7.6	8.2	9.1	7.4	5.8	4.5	4.7	2.6	64.0
1943	2.2	3.0	4.2	5.6	7.5	8.1	8.0	10.2	7.2	6.1	3.3	2.6	68.0
1944	1.5	2.0	4.3	5.0	7.2	8.7	8.2	8.5	6.6	4.5	3.2	1.3	61.0
1945	1.5	2.4	4.5	4.5	8.4	9.6	8.3	7.7	8.0	4.4	4.2	2.5	66.0
1946	2.9	2.9	4.8	6.3	7.6	9.5	9.8	7.8	5.8	5.4	2.7	2.5	68.0
1947	2.7	2.9	3.7	5.1	5.7	8.3	9.2	7.7	8.3	5.4	3.1	1.9	64.0
1948	1.6	1.9	3.6	6.4	6.7	7.8	8.9	8.2	7.7	5.2	3.8	4.2	66.0
1949	2.9	2.5	4.6	4.5	6.3	7.4	8.1	7.7	6.3	5.4	4.0	2.3	62.0
1950	3.4	2.7	5.0	5.8	7.9	8.6	7.2	7.7	5.8	5.8	3.9	3.2	67.0
1951	2.0	2.9	4.7	6.3	6.2	8.0	12.3	13.1	11.7	9.0	4.4	3.4	84.0
1952	3.1	3.8	4.7	5.7	6.7	11.1	11.1	12.4	10.7	9.5	5.2	3.0	87.0
1953	3.7	3.5	6.8	8.1	10.1	11.6	13.1	10.0	12.1	7.5	4.1	1.4	92.0
1954	2.0	5.1	5.7	6.3	5.4	9.5	13.0	12.4	13.0	8.5	6.2	4.9	92.0
1955	0.8	2.4	5.6	7.8	7.1	8.9	11.6	11.0	10.5	8.7	6.1	4.5	85.0
1956	2.9	1.8	6.6	7.6	9.6	10.6	11.5	12.7	13.8	10.2	10.0	4.7	102.0
1957	3.7	3.0	3.4	4.4	4.9	8.3	14.1	9.6	8.7	5.9	3.0	4.0	73.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.00	.21	.40	.40	.38	.62	.88	.57	.57	.55	.01	.18	4.77
1941	.12	.13	.12	.26	-.18	.14	.12	.42	.16	-.04	.24	.20	1.69
1942	.16	.20	.26	.07	.62	.24	.64	.43	.34	.02	.39	.14	3.51
1943	.17	.24	.34	.35	.48	.51	.56	.60	.58	.49	.25	.09	4.66
1944	.03	.12	.32	.07	.38	.68	.44	.52	.47	.29	.22	-.01	3.53
1945	.02	.16	.35	.30	.67	.76	.40	.52	.44	.32	.35	.20	4.49
1946	.24	.21	.34	.38	.39	.64	.71	.28	.32	.13	.03	.21	3.88
1947	.17	.23	.24	.26	.11	.63	.55	.49	.69	.39	.17	.04	3.97
1948	.08	-.01	.17	.52	.29	.42	.59	.34	.14	.39	.16	.35	3.44
1949	.16	.14	.32	.25	.06	.34	.29	.53	.42	.42	.32	.14	3.39
1950	.28	.22	.42	.40	.54	.35	.16	.35	.12	.43	.32	.26	3.85
1951	.07	.20	.35	.49	.20	.47	.68	.92	.95	.71	.34	.27	5.65
1952	.24	.26	.30	.10	.43	.87	.82	.67	.87	.79	.36	.21	5.92
1953	.30	.26	.52	.66	.74	.92	.85	.51	.97	.41	.27	.09	6.50
1954	.13	.37	.44	.48	.22	.69	.92	-.07	1.02	.57	.51	.40	5.68
1955	.07	.18	.46	.47	.25	.69	.91	.86	.77	.72	.50	.37	6.25
1956	.23	.14	.54	.61	.62	.81	.77	.87	1.14	.82	.83	.39	7.77
1957	.26	.23	.03	.21	.15	.51	1.06	.65	.72	.34	.18	.17	4.51

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate

QUADRANGLE A - 6

Lat. 36° to 37° N.

Long. 101° to 102° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	0.8	3.0	5.5	6.0	7.7	8.6	11.2	9.0	8.7	7.1	3.8	2.6	74.0
1941	1.7	2.1	3.3	5.4	5.9	6.8	7.0	7.5	6.6	4.1	3.0	2.6	56.0
1942	2.0	2.5	4.6	5.3	7.7	8.3	9.2	7.5	5.9	4.6	4.7	2.7	65.0
1943	2.2	3.0	4.2	5.7	7.6	8.2	8.1	10.6	7.3	6.1	3.4	2.6	69.0
1944	1.6	2.1	4.5	5.2	7.6	9.3	8.6	8.9	6.9	4.7	3.3	1.3	64.0
1945	1.4	2.4	4.3	4.4	8.2	9.3	8.1	7.4	7.7	4.3	4.1	2.4	64.0
1946	2.9	3.0	4.9	6.4	7.7	9.6	9.9	7.9	5.9	5.5	2.7	2.6	69.0
1947	2.8	3.0	3.9	5.4	6.0	8.7	9.4	8.1	8.7	5.7	3.3	2.0	67.0
1948	1.6	2.0	3.7	6.6	6.9	8.0	9.1	8.4	8.0	5.4	3.9	4.4	68.0
1949	2.8	2.4	4.5	4.4	6.2	7.3	8.1	7.6	6.2	5.3	3.9	2.3	61.0
1950	3.2	2.6	4.9	5.7	7.7	8.2	7.0	7.5	5.7	5.6	3.8	3.1	65.0
1951	1.9	2.7	4.4	5.8	5.8	7.4	11.4	12.2	10.8	8.4	4.1	3.1	78.0
1952	3.1	3.6	4.6	5.5	6.5	10.9	10.8	12.1	10.5	9.3	5.1	3.0	85.0
1953	3.6	3.4	6.7	7.9	9.9	11.3	12.8	9.8	11.8	7.4	4.1	1.3	90.0
1954	2.0	4.9	5.6	6.1	5.3	9.4	12.8	12.1	12.7	8.3	6.0	4.8	90.0
1955	0.8	2.4	5.6	7.8	7.1	8.9	11.6	11.0	10.5	8.7	6.1	4.5	85.0
1956	2.8	1.8	6.5	7.4	9.4	10.4	11.3	12.5	13.5	10.0	9.8	4.6	100.0
1957	3.5	2.8	3.2	4.2	4.6	7.9	13.3	9.1	8.2	5.6	2.8	3.8	69.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	-.03	.20	.42	.41	.41	.57	.89	.62	.56	.58	.09	.18	4.90
1941	.09	.09	.17	.34	.01	.37	.20	.38	.31	-.13	.22	.20	2.25
1942	.16	.18	.27	.07	.48	.12	.61	.45	.38	-.01	.39	.15	3.25
1943	.18	.24	.32	.28	.47	.57	.43	.66	.48	.47	.26	.03	4.39
1944	.00	.12	.32	.14	.25	.73	.25	.54	.47	.29	.20	-.05	3.26
1945	.03	.17	.31	.26	.61	.63	.43	.42	.38	.30	.34	.18	4.06
1946	.23	.18	.36	.46	.42	.63	.76	.42	.32	-.02	.02	.21	3.99
1947	.19	.24	.24	.22	.09	.52	.60	.57	.71	.36	.18	.07	3.99
1948	.08	-.04	.19	.52	.37	.32	.51	.43	.57	.32	.19	.37	3.83
1949	.12	.12	.29	.28	.02	.17	.23	.46	.41	.33	.32	.15	2.90
1950	.27	.20	.40	.38	.45	.32	-.26	.18	.09	.45	.31	.26	3.05
1951	.08	.16	.27	.43	-.03	.38	.73	.83	.87	.63	.29	.24	4.88
1952	.24	.25	.27	.30	.47	.84	.67	.83	.84	.77	.35	.19	6.02
1953	.25	.25	.51	.63	.73	.82	.74	.56	.94	.42	.22	.06	6.13
1954	.14	.40	.45	.43	.17	.67	.93	.78	1.01	.60	.50	.39	6.47
1955	.06	.18	.43	.50	.17	.54	.85	.78	.73	.72	.50	.37	5.83
1956	.22	.12	.53	.61	.57	.73	.60	.87	1.12	.79	.82	.38	7.36
1957	.25	.21	-.14	.15	.02	.44	1.03	.56	.63	.29	.17	.32	3.93

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE A - 7

Lat. 36° to 37° N.

Long. 100° to 101° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.8	3.0	5.6	6.1	7.8	8.7	11.5	9.1	8.8	7.2	3.8	2.6	75.0
1941	1.7	2.1	3.3	5.5	6.0	7.0	7.1	7.6	6.7	4.2	3.1	2.7	57.0
1942	2.0	2.6	4.7	5.3	7.9	8.4	9.3	7.6	6.0	4.7	4.8	2.7	66.0
1943	2.2	3.1	4.3	5.8	7.7	8.3	8.2	10.7	7.4	6.2	3.4	2.7	70.0
1944	1.7	2.2	4.8	5.6	8.0	9.8	9.2	9.5	7.3	5.0	3.5	1.4	68.0
1945	1.4	2.3	4.2	4.2	7.8	9.0	7.8	7.2	7.5	4.2	4.0	2.4	62.0
1946	2.9	2.9	4.8	6.3	7.6	9.5	9.9	7.8	5.8	5.4	2.6	2.5	68.0
1947	3.0	3.2	4.1	5.7	6.3	9.2	10.1	8.6	9.2	6.0	3.5	2.1	71.0
1948	1.7	2.0	3.8	6.7	7.0	8.1	9.2	8.5	8.1	5.5	4.0	4.4	69.0
1949	2.8	2.4	4.4	4.3	6.1	7.2	8.1	7.4	6.1	5.2	3.8	2.2	60.0
1950	3.2	2.6	4.8	5.6	7.6	8.3	6.8	7.2	5.6	5.5	3.7	3.1	64.0
1951	1.8	2.6	4.2	5.6	5.6	7.1	11.0	11.7	10.4	8.0	4.0	3.0	75.0
1952	3.0	3.6	4.5	5.4	6.4	10.6	10.5	11.9	10.2	9.0	5.0	2.9	83.0
1953	3.3	3.2	6.2	7.4	9.2	10.6	11.9	9.2	11.0	6.9	3.8	1.3	84.0
1954	1.9	4.8	5.4	5.9	5.1	9.1	12.4	11.7	12.3	8.0	5.8	4.6	87.0
1955	.8	2.4	5.6	7.8	7.1	8.9	11.6	11.0	10.5	8.7	6.1	4.5	85.0
1956	2.7	1.7	6.2	7.1	9.0	10.0	10.9	12.0	13.0	9.6	9.4	4.4	96.0
1957	3.3	2.6	3.0	3.9	4.3	7.4	12.6	8.6	7.7	5.3	2.7	3.6	65.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	-.02	.18	.45	.42	.42	.54	.87	.53	.62	.56	.13	.17	4.87
1941	.04	.06	.15	.23	.07	.31	.33	.41	.34	-.25	.22	.19	2.10
1942	.15	.18	.31	.10	.45	.36	.64	.37	.40	-.07	.39	.13	3.41
1943	.18	.25	.33	.37	.37	.54	.45	.80	.50	.47	.26	.01	4.53
1944	-.02	.11	.36	.18	.40	.75	.35	.62	.43	.26	.23	-.05	3.62
1945	.02	.12	.27	.16	.57	.53	.52	.45	.41	.32	.33	.18	3.88
1946	.02	.13	.32	.49	.42	.66	.76	.37	.27	.13	.00	.17	3.74
1947	.22	.26	.22	.18	.11	.53	.63	.62	.76	.43	.21	.06	4.23
1948	.09	-.05	.19	.52	.47	.29	.60	.40	.58	.34	.16	.37	3.96
1949	.04	.12	.26	.26	-.06	.03	.37	.49	.42	.30	.32	.13	2.68
1950	.27	.19	.40	.45	.40	.40	.17	.22	.23	.43	.29	.26	3.71
1951	.09	.12	.24	.38	-.27	.22	.79	.83	.80	.53	.27	.23	4.23
1952	.22	.27	.28	.31	.36	.81	.67	.90	.82	.74	.32	.19	5.89
1953	.23	.21	.47	.56	.63	.78	.67	.56	.84	.32	.27	.07	5.61
1954	.15	.39	.43	.41	.02	.70	.92	.82	.99	.56	.48	.38	6.25
1955	.05	.17	.45	.59	.11	.48	.81	.71	.72	.71	.51	.38	5.69
1956	.21	.09	.51	.57	.58	.69	.63	.86	1.07	.74	.78	.37	7.10
1957	.23	.17	.22	.16	-.10	.25	.92	.65	.47	.35	.13	.30	3.75

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE B - 5

Lat. 35° to 36° N.

Long. 102° to 103° W.

GROSS LAKE SURFACE EVAPORATION IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.8	2.9	5.4	5.9	7.6	8.5	11.3	8.8	8.5	7.0	3.7	2.6	73.0
1941	1.7	2.1	3.2	5.4	5.9	6.8	7.0	7.6	6.6	4.1	3.0	2.6	56.0
1942	1.9	2.5	4.6	5.3	7.7	8.3	9.3	7.5	5.9	4.6	4.7	2.7	65.0
1943	2.3	3.1	4.3	5.9	7.8	8.5	8.3	10.8	7.5	6.3	3.5	2.7	71.0
1944	1.5	2.0	4.3	5.1	7.3	9.0	8.4	8.7	6.7	4.5	3.2	1.3	62.0
1945	1.5	2.5	4.6	4.6	8.5	9.6	8.5	7.8	8.1	4.5	4.3	2.5	67.0
1946	2.9	3.0	5.0	6.5	7.8	9.7	10.1	8.1	6.0	5.6	2.7	2.6	70.0
1947	2.9	3.1	3.9	5.4	6.1	8.8	9.7	8.2	8.8	5.8	3.3	2.0	68.0
1948	1.7	2.1	3.9	6.9	7.2	8.4	9.6	8.7	8.3	5.6	4.1	4.5	71.0
1949	3.0	2.6	4.8	4.7	6.6	7.7	8.6	8.1	6.6	5.7	4.2	2.4	65.0
1950	3.4	2.7	5.1	5.9	8.0	8.9	7.3	7.8	5.9	5.8	3.9	3.3	68.0
1951	2.0	2.9	4.7	6.2	6.1	7.9	12.1	13.0	11.5	8.9	4.4	3.3	83.0
1952	3.3	3.9	5.0	6.0	7.1	11.8	11.7	13.2	11.3	10.0	5.5	3.2	92.0
1953	3.8	3.6	7.0	8.3	10.3	11.8	13.3	10.3	12.3	7.7	4.2	1.4	94.0
1954	2.0	5.0	5.7	6.3	5.4	9.6	13.1	12.4	13.0	8.5	6.1	4.9	92.0
1955	.9	2.4	5.8	8.0	7.2	9.1	11.8	11.2	10.8	8.9	6.3	4.6	87.0
1956	2.9	1.9	6.7	7.6	9.7	10.7	11.6	12.9	13.9	10.3	10.1	4.7	103.0
1957	3.8	3.2	3.6	4.6	5.2	8.8	14.9	10.1	9.2	6.2	3.2	4.2	77.0

NET RESERVOIR EVAPORATION IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.03	.18	.42	.39	.41	.66	.90	.55	.63	.54	-.08	.18	4.81
1941	.12	.14	.08	.31	-.17	.20	.14	.41	.17	-.27	.23	.17	1.53
1942	.15	.18	.29	.13	.63	.50	.64	.34	.19	.01	.39	.10	3.55
1943	.19	.26	.36	.39	.49	.47	.48	.70	.57	.50	.25	-.02	4.64
1944	.02	.10	.36	.23	.38	.50	.39	.47	.38	.27	.18	-.02	3.26
1945	.04	.18	.35	.27	.69	.71	.46	.41	.43	.32	.36	.20	4.42
1946	.18	.23	.37	.43	.50	.68	.76	.39	.38	.02	.14	.18	4.26
1947	.20	.25	.27	.27	.10	.61	.67	.56	.73	.47	.21	.06	4.40
1948	.09	-.02	.25	.55	.36	.47	.63	.31	.58	.33	.27	.37	4.19
1949	.11	.15	.34	.19	.13	.23	.38	.46	.42	.42	.35	.17	3.35
1950	.28	.22	.42	.41	.55	.41	-.02	.35	.15	.41	.32	.25	3.75
1951	.10	.16	.33	.49	-.17	.46	.78	.99	.82	.63	.34	.24	5.17
1952	.26	.31	.37	.23	.49	.85	.78	.87	.90	.83	.38	.24	6.51
1953	.29	.28	.54	.60	.78	.97	.96	.53	.98	.30	.32	.07	6.62
1954	.14	.39	.44	.41	.16	.68	.94	.87	1.04	.60	.51	.40	6.58
1955	.06	.20	.47	.53	.38	.63	.86	.82	.71	.72	.52	.37	6.27
1956	.23	.08	.56	.61	.54	.83	.79	.90	1.16	.83	.84	.39	7.76
1957	.28	.21	.08	.24	.15	.52	1.20	.59	.73	.33	.18	.35	4.86

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE B - 6

Lat. 35° to 36° N.

Long. 101° to 102° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.8	3.0	5.5	6.0	7.7	8.6	11.3	8.9	8.7	7.1	3.8	2.6	74.0
1941	1.7	2.1	3.3	5.5	6.0	7.0	7.1	7.6	6.7	4.2	3.1	2.7	57.0
1942	2.0	2.6	4.7	5.3	7.9	8.5	9.2	7.6	6.0	4.7	4.8	2.7	66.0
1943	2.3	3.2	4.4	6.0	7.9	8.6	8.4	10.9	7.7	6.4	3.5	2.7	72.0
1944	1.6	2.1	4.6	5.3	7.7	9.4	8.8	9.0	7.0	4.7	3.4	1.4	65.0
1945	1.5	2.4	4.5	4.5	8.5	9.5	8.3	7.7	8.0	4.4	4.2	2.5	66.0
1946	2.9	3.0	4.9	6.4	7.7	9.6	9.9	7.9	5.9	5.5	2.7	2.6	69.0
1947	2.9	3.2	4.1	5.6	6.2	9.1	9.8	8.5	9.1	6.0	3.4	2.1	70.0
1948	1.7	2.0	3.8	6.7	7.0	8.1	9.2	8.5	8.1	5.5	4.0	4.4	69.0
1949	2.9	2.5	4.7	4.5	6.4	7.5	8.5	7.8	6.4	5.5	4.0	2.3	63.0
1950	3.3	2.6	5.0	5.7	7.8	8.5	7.1	7.6	5.7	5.7	3.8	3.2	66.0
1951	1.9	2.8	4.4	5.9	5.8	7.5	11.5	12.3	11.0	8.5	4.2	3.2	79.0
1952	3.2	3.9	4.9	5.9	6.9	11.5	11.4	12.9	11.1	9.8	5.4	3.1	90.0
1953	3.5	3.4	6.5	7.7	9.7	11.1	12.5	9.6	11.5	7.2	4.0	1.3	88.0
1954	2.0	5.0	5.6	6.2	5.4	9.5	12.9	12.3	12.8	8.4	6.1	4.8	91.0
1955	.8	2.4	5.7	7.9	7.1	9.0	11.7	11.1	10.7	8.8	6.2	4.6	86.0
1956	2.8	1.8	6.5	7.4	9.4	10.4	11.3	12.5	13.5	10.0	9.8	4.6	100.0
1957	3.5	2.9	3.3	4.2	4.7	8.0	13.5	9.2	8.3	5.7	2.9	3.8	70.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	-.01	.17	.43	.37	.42	.57	.90	.62	.62	.53	.05	.18	4.85
1941	.10	.11	.10	.36	-.09	.21	.31	.37	.24	-.28	.23	.17	1.83
1942	.16	.18	.32	.13	.55	.42	.63	.42	.29	-.05	.40	.11	3.56
1943	.19	.27	.36	.36	.48	.61	.33	.74	.57	.48	.24	-.06	4.57
1944	-.01	.11	.37	.28	.38	.50	.33	.53	.41	.30	.21	-.02	3.39
1945	.06	.17	.33	.21	.66	.67	.53	.38	.38	.28	.35	.20	4.22
1946	.16	.20	.35	.47	.52	.63	.78	.42	.29	-.05	.13	.15	4.05
1947	.22	.26	.28	.27	.06	.48	.69	.67	.75	.46	.20	.08	4.42
1948	.10	.00	.23	.49	.37	.36	.59	.37	.56	.30	.18	.36	3.91
1949	.05	.15	.33	.23	.07	.26	.34	.42	.38	.33	.33	.16	3.05
1950	.28	.20	.41	.41	.49	.36	-.14	.20	.13	.45	.32	.24	3.35
1951	.11	.13	.29	.42	-.32	.23	.81	.91	.77	.58	.32	.23	4.48
1952	.25	.30	.36	.31	.48	.75	.77	.98	.88	.82	.36	.22	6.48
1953	.22	.25	.50	.54	.74	.86	.83	.59	.93	.25	.27	.05	6.03
1954	.14	.41	.46	.35	.05	.60	.98	.81	1.04	.64	.51	.39	6.38
1955	.04	.19	.47	.58	.28	.42	.82	.78	.72	.72	.51	.37	5.90
1956	.22	.06	.53	.60	.52	.73	.68	.94	1.09	.79	.82	.38	7.36
1957	.25	.16	-.02	.09	.02	.51	1.08	.42	.65	.23	.14	.32	3.85

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE B - 7

Lat. 35° to 36° N.

Long. 100° to 101° W

GROSS LAKE SURFACE EVAPORATION IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.8	3.0	5.6	6.2	7.9	8.8	11.7	9.2	8.9	7.3	3.9	2.7	76.0
1941	1.7	2.1	3.3	5.5	6.0	7.0	7.1	7.6	6.7	4.2	3.1	2.7	57.0
1942	2.0	2.6	4.8	5.4	8.0	8.6	9.4	7.7	6.1	4.8	4.9	2.7	67.0
1943	2.3	3.2	4.5	6.1	8.0	8.7	8.5	11.1	7.7	6.5	3.6	2.8	73.0
1944	1.7	2.2	4.8	5.6	8.0	9.8	9.2	9.5	7.3	5.0	3.5	1.4	68.0
1945	1.4	2.4	4.4	4.4	8.1	9.2	8.1	7.4	7.7	4.3	4.2	2.4	64.0
1946	2.9	3.0	4.9	6.4	7.7	9.6	9.9	7.9	5.9	5.5	2.7	2.6	69.0
1947	3.1	3.3	4.2	5.8	6.5	9.5	10.3	8.8	9.5	6.2	3.6	2.2	73.0
1948	1.7	2.0	3.8	6.7	7.0	8.1	9.2	8.5	8.1	5.5	4.0	4.4	69.0
1949	2.9	2.5	4.6	4.5	6.3	7.4	8.1	7.7	6.3	5.4	4.0	2.3	62.0
1950	3.3	2.6	4.9	5.7	7.6	8.3	7.0	7.4	5.7	5.6	3.8	3.1	65.0
1951	1.9	2.7	4.3	5.8	5.7	7.3	11.2	12.0	10.7	8.2	4.1	3.1	77.0
1952	3.1	3.6	4.6	5.5	6.5	10.9	10.8	12.1	10.5	9.3	5.1	3.0	85.0
1953	3.3	3.2	6.2	7.4	9.2	10.6	11.9	9.2	11.0	6.9	3.8	1.3	84.0
1954	1.9	4.8	5.5	6.0	5.2	9.1	12.5	11.9	12.4	8.1	5.9	4.7	88.0
1955	0.8	2.4	5.5	7.7	7.0	8.8	11.4	10.8	10.4	8.6	6.1	4.5	84.0
1956	2.7	1.8	6.4	7.3	9.2	10.2	11.1	12.2	13.2	9.8	9.6	4.5	98.0
1957	3.3	2.7	3.1	4.0	4.4	7.5	12.7	8.7	7.9	5.4	2.7	3.6	66.0

NET RESERVOIR EVAPORATION IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.02	.18	.46	.37	.44	.63	.90	.59	.60	.52	.13	.19	5.03
1941	.07	.03	.13	.22	-.04	.13	.38	.34	.41	-.28	.22	.17	1.78
1942	.15	.17	.31	.11	.51	.22	.66	.38	.32	-.12	.40	.11	3.22
1943	.19	.26	.36	.41	.32	.61	.54	.85	.53	.44	.27	-.02	4.76
1944	-.02	.13	.36	.33	.29	.67	.47	.61	.41	.19	.22	-.08	3.58
1945	.03	.16	.31	.18	.62	.58	.57	.51	.43	.32	.35	.18	4.24
1946	.17	.17	.29	.47	.42	.64	.73	.42	.25	.05	.09	.17	3.87
1947	.22	.27	.28	.28	.06	.46	.71	.68	.78	.41	.19	.08	4.42
1948	.13	0	.18	.47	.39	.44	.54	.37	.59	.43	.21	.36	4.11
1949	0	.16	.32	.25	0	.23	.49	.43	.38	.28	.33	.14	3.01
1950	.27	.18	.40	.42	.40	.38	-.12	.31	.13	.46	.32	.26	3.41
1951	.09	.13	.32	.41	-.13	.25	.81	.93	.72	.52	.29	.25	4.59
1952	.22	.27	.33	.23	.42	.79	.77	.90	.82	.77	.35	.20	6.07
1953	.25	.21	.47	.49	.67	.79	.70	.54	.92	.24	.29	.08	5.65
1954	.15	.40	.45	.36	-.06	.67	.98	.75	1.01	.59	.49	.36	6.15
1955	.03	.17	.46	.61	-.02	.40	.79	.73	.77	.62	.50	.37	5.43
1956	.22	.09	.53	.57	.34	.73	.72	.96	1.08	.75	.80	.37	7.16
1957	.23	.13	.01	.03	-.10	.47	1.01	.57	.58	.19	.13	.30	3.55

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE C -5

Lat 34° to 35° N.

Long. 102° to 103° W.

GROSS LAKE SURFACE EVAPORATION IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.6	2.9	5.9	5.5	7.6	8.4	12.1	9.5	8.8	7.1	3.3	2.3	75.0
1941	2.0	2.1	3.2	4.8	5.8	6.9	8.0	8.4	7.3	3.9	3.1	2.5	58.0
1942	2.3	3.0	4.7	4.6	7.4	8.4	9.6	8.5	7.1	4.8	4.5	2.1	67.0
1943	2.6	3.8	4.1	5.6	6.2	8.4	9.2	12.6	8.6	6.7	4.1	2.1	74.0
1944	1.3	2.1	4.1	5.8	6.9	8.7	8.7	9.3	6.9	4.9	3.6	1.7	64.0
1945	1.9	2.3	4.1	4.4	8.2	9.6	8.6	9.0	8.6	4.4	4.2	2.7	68.0
1946	2.8	3.2	5.2	6.7	7.7	8.9	11.1	10.6	6.5	5.9	3.5	2.9	75.0
1947	2.6	3.4	3.7	4.6	5.8	9.4	10.5	10.2	10.0	6.5	3.5	2.8	73.0
1948	2.0	1.9	3.8	7.0	7.3	8.5	9.5	9.5	9.0	5.9	5.0	4.6	74.0
1949	2.1	2.1	4.4	4.4	6.7	8.5	10.1	9.1	7.1	6.0	4.7	2.8	68.0
1950	3.2	3.2	5.3	6.0	6.6	8.7	7.2	8.2	5.8	6.7	5.0	3.1	69.0
1951	3.5	2.8	5.2	6.2	7.3	9.6	11.2	10.9	9.6	7.0	3.5	4.2	81.0
1952	3.9	4.0	5.2	6.0	9.0	13.1	12.4	13.5	10.3	8.5	4.6	2.5	93.0
1953	4.5	4.1	5.5	6.9	8.9	12.4	12.2	11.3	11.9	5.6	3.8	2.9	90.0
1954	2.8	4.6	5.7	6.8	6.5	12.0	13.7	13.5	11.1	7.4	5.2	3.7	93.0
1955	2.6	3.3	5.7	7.7	8.7	9.6	11.0	10.6	9.8	7.2	5.7	4.1	86.0
1956	3.4	4.3	6.8	8.1	9.7	12.3	12.7	13.8	13.6	8.4	4.7	3.2	101.0
1957	2.5	2.6	4.3	4.9	6.5	9.5	13.1	11.7	9.4	4.8	3.5	4.2	77.0

NET RESERVOIR EVAPORATION IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.11	.20	.48	.36	.45	.62	.95	.58	.71	.54	.04	.18	5.22
1941	.15	.15	.05	.25	-.32	.08	.34	.47	.22	-.32	.23	.15	1.45
1942	.18	.24	.33	.08	.58	.48	.64	.32	.36	0	.38	.05	3.64
1943	.22	.30	.34	.35	.27	.52	.48	.73	.62	.51	.28	-.09	4.53
1944	.07	.12	.34	.39	.35	.42	.50	.59	.26	.33	.27	.07	3.71
1945	.12	.18	.32	.34	.66	.78	.58	.57	.43	.29	.35	.22	4.84
1946	.16	.26	.41	.52	.58	.58	.82	.71	.23	.02	.25	.17	4.71
1947	.17	.28	.26	.27	.19	.71	.72	.74	.82	.53	.22	.18	5.09
1948	.13	.05	.28	.56	.50	.53	.67	.50	.69	.46	.38	.36	5.11
1949	.02	.12	.34	.23	.11	.37	.56	.60	.45	.39	.38	.20	3.77
1950	.26	.27	.44	.48	.48	.51	-.08	.44	.17	.53	.42	.26	4.18
1951	.25	.13	.42	.50	.08	.56	.66	.78	.72	.46	.27	.32	5.15
1952	.28	.32	.41	.28	.71	.88	.82	1.05	.78	.71	.29	.17	6.70
1953	.33	.33	.39	.47	.60	1.00	.78	.81	.97	.25	.28	.23	6.44
1954	.23	.37	.46	.53	.34	.93	1.13	.83	.90	.48	.43	.30	6.93
1955	.17	.28	.48	.60	.42	.71	.69	.81	.61	.56	.46	.33	6.12
1956	.28	.26	.57	.67	.67	.73	1.00	1.06	1.09	.63	.38	.26	7.60
1957	.19	.14	.20	.27	.28	.58	.96	.81	.64	.19	.21	.35	4.82

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE C - 6

Lat. 34° to 35° N.

Long. 101° to 102° W.

GROSS LAKE SURFACE EVAPORATION IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.6	2.9	5.8	5.5	7.6	8.4	12.1	9.6	8.8	7.1	3.3	2.3	75.0
1941	2.0	2.1	3.2	4.8	5.8	6.8	8.1	8.5	7.3	3.9	3.0	2.5	58.0
1942	2.3	3.0	4.7	4.6	7.4	8.4	9.6	8.5	7.1	4.8	4.5	2.1	67.0
1943	2.6	3.8	4.2	5.7	6.3	8.6	9.3	12.7	8.8	6.8	4.1	2.1	75.0
1944	1.3	2.2	4.2	5.9	7.1	9.1	9.0	9.6	7.2	5.0	3.7	1.7	66.0
1945	1.9	2.3	4.1	4.3	8.1	9.5	8.4	8.9	8.3	4.3	4.2	2.7	67.0
1946	2.7	3.2	5.1	6.7	7.6	8.8	11.0	10.4	6.4	5.8	3.4	2.9	74.0
1947	2.6	3.4	3.8	4.7	5.8	9.5	10.7	10.4	10.1	6.6	3.6	2.8	74.0
1948	2.0	1.8	3.9	7.0	7.2	8.5	9.6	9.6	8.9	5.9	5.0	4.6	74.0
1949	2.0	2.0	4.2	4.2	6.5	8.0	9.6	8.7	6.8	5.8	4.5	2.7	65.0
1950	3.1	3.1	5.2	5.8	6.4	8.4	7.0	8.0	5.6	6.5	4.9	3.0	67.0
1951	3.4	2.7	5.0	6.0	7.0	9.3	10.8	10.5	9.2	6.7	3.3	4.1	78.0
1952	3.9	4.0	5.1	6.0	8.9	13.0	12.2	13.3	10.2	8.4	4.5	2.5	92.0
1953	4.3	4.0	5.3	6.7	8.6	12.0	11.7	11.0	11.5	5.4	3.7	2.8	87.0
1954	2.8	4.5	5.6	6.7	6.4	11.9	13.6	13.3	11.0	7.4	5.1	3.7	92.0
1955	2.5	3.2	5.6	7.6	8.5	9.3	10.8	10.4	9.6	7.1	5.5	3.9	84.0
1956	3.3	4.2	6.6	7.8	9.4	12.0	12.4	13.4	13.1	8.1	4.5	3.2	98.0
1957	2.3	2.6	4.1	4.6	6.1	9.0	12.3	11.1	8.9	4.6	3.4	4.0	73.0

NET RESERVOIR EVAPORATION IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.09	.13	.48	.29	.45	.56	.97	.66	.66	.48	.04	.17	4.98
1941	.14	.08	.10	.26	-.13	.04	.41	.48	.33	-.20	.23	.14	1.88
1942	.18	.22	.34	.09	.51	.48	.66	.39	.36	0	.38	.0	3.61
1943	.22	.32	.34	.35	.22	.58	.40	.98	.63	.52	.27	-.08	4.75
1944	-.05	.12	.33	.39	.34	.46	.51	.67	.38	.27	.23	-.04	3.61
1945	.10	.16	.31	.15	.63	.71	.53	.50	.50	.23	.35	.22	4.39
1946	.08	.22	.33	.49	.52	.50	.86	.53	.20	.04	.21	.12	4.10
1947	.18	.27	.25	.22	.02	.47	.79	.84	.83	.46	.21	.17	4.71
1948	.13	.03	.22	.50	.39	.46	.58	.56	.61	.43	.36	.37	4.64
1949	-.12	.12	.30	.18	.13	.40	.56	.51	.37	.34	.38	.18	3.35
1950	.24	.25	.43	.42	.42	.46	.02	.45	.08	.53	.41	.23	3.94
1951	.24	.14	.37	.43	.01	.47	.71	.80	.63	.43	.25	.32	4.80
1952	.26	.32	.40	.26	.64	.88	.87	1.03	.80	.70	.29	.18	6.63
1953	.31	.32	.39	.42	.66	.97	.73	.68	.93	.15	.28	.21	6.05
1954	.22	.37	.46	.34	.14	.83	1.07	.89	.89	.58	.43	.28	6.50
1955	.17	.26	.46	.60	.04	.36	.76	.81	.69	.44	.45	.32	5.36
1956	.27	.25	.54	.64	.43	.85	.87	1.08	1.06	.61	.36	.24	7.20
1957	.17	.13	.19	-.02	.02	.51	.97	.77	.69	.07	.18	.32	4.00

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE C - 7

Lat. 34° to 35° N.

Long. 100° to 101° W.

GROSS LAKE SURFACE EVAPORATION IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.3	2.9	6.3	5.0	7.5	8.3	13.0	10.5	9.0	7.2	2.9	2.1	77.0
1941	2.1	2.0	2.9	3.8	5.3	6.5	8.6	8.9	7.3	3.4	3.0	2.2	56.0
1942	2.6	3.5	4.7	3.7	6.9	8.2	10.2	9.5	8.1	5.0	4.1	1.5	68.0
1943	2.9	4.3	3.8	5.1	4.3	8.3	9.8	14.2	9.5	6.8	4.6	1.4	75.0
1944	1.0	2.2	3.8	6.4	6.6	8.8	9.3	10.3	7.3	5.3	4.0	2.0	67.0
1945	2.1	2.0	3.4	3.9	7.4	8.9	8.4	9.8	8.5	4.0	3.9	2.7	65.0
1946	2.3	3.1	4.9	6.1	6.9	7.2	11.4	12.1	6.3	5.8	3.8	3.1	73.0
1947	2.0	3.5	3.2	3.4	5.3	9.6	11.2	12.0	10.9	7.0	3.5	3.4	75.0
1948	2.2	1.6	3.6	6.7	6.9	8.4	9.2	10.0	9.3	6.1	5.6	4.4	74.0
1949	1.0	1.4	3.6	3.7	6.2	8.2	10.5	9.9	7.1	5.7	4.8	2.9	65.0
1950	2.7	3.5	5.2	5.7	4.9	8.0	6.7	8.2	5.3	7.1	5.9	2.8	66.0
1951	3.3	2.1	5.1	5.8	6.4	8.3	10.6	11.0	8.8	6.3	2.9	4.4	75.0
1952	3.9	3.5	4.6	5.5	7.1	12.3	11.7	14.7	10.4	9.8	4.9	2.6	91.0
1953	4.5	4.7	4.5	5.9	8.1	12.3	11.6	10.7	12.1	4.1	2.6	2.9	84.0
1954	2.6	4.2	4.7	5.5	5.3	10.5	14.5	15.4	11.8	8.0	5.2	3.3	91.0
1955	2.7	3.1	5.3	6.8	7.6	7.9	11.6	11.1	9.7	7.0	5.5	3.7	82.0
1956	3.0	3.2	6.5	7.3	8.8	12.4	13.3	14.9	14.1	7.2	3.8	2.5	97.0
1957	1.8	1.9	3.4	3.9	4.3	7.6	12.3	12.5	8.6	4.7	3.6	3.4	68.0

NET RESERVOIR EVAPORATION IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.16	.09	.52	.23	.42	.62	1.05	.47	.68	.49	.06	.15	4.94
1941	.10	-.02	.14	-.02	-.20	-.13	.64	.32	.42	-.35	.23	.09	1.22
1942	.20	.27	.31	-.16	.46	.60	.77	.58	.27	.17	.33	.01	3.81
1943	.19	.35	.28	.36	-.04	.48	.78	1.13	.61	.49	.32	-.02	4.93
1944	-.06	.11	.28	.45	.37	.47	.63	.59	.38	.32	.25	-.03	3.76
1945	.06	.08	.22	.22	.58	.59	.40	.68	.47	.26	.29	.22	4.07
1946	.07	.16	.33	.44	.47	.41	.87	.90	.13	.20	.26	.18	4.42
1947	.12	.27	.20	-.05	-.29	.69	.90	.97	.89	.45	.15	.19	4.49
1948	.17	-.08	.22	.49	.47	.56	.60	.71	.75	.43	.43	.36	5.11
1949	-.19	.09	.18	.14	.02	.39	.71	.63	.37	.30	.40	.14	3.18
1950	.20	.20	.43	.38	.19	.33	.18	.50	.11	.59	.49	.23	3.83
1951	.24	.12	.32	.30	.22	.38	.72	.84	.50	.45	.22	.37	4.68
1952	.26	.27	.31	.16	.43	.99	.83	1.17	.85	.70	.32	.14	6.43
1953	.33	.35	.32	.32	.53	.97	.69	.78	.99	.18	.15	.22	5.83
1954	.18	.35	.36	.31	-.15	.80	1.19	1.14	.92	.63	.42	.19	6.34
1955	.15	.21	.41	.53	.15	.02	.82	.91	.58	.20	.46	.31	4.75
1956	.23	.22	.53	.58	.37	.98	.97	1.24	1.14	.42	.28	.17	7.13
1957	.12	.08	.16	-.21	-.27	.23	1.02	.93	.64	.08	.14	.28	3.20

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE C - 8

Lat. 34° to 35° N.

Long. 99° to 100° W.

GROSS LAKE SURFACE EVAPORATION IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.2	2.8	6.0	4.7	7.0	7.8	12.3	9.9	8.6	6.9	2.8	2.0	73.0
1941	2.1	2.0	3.0	3.9	5.5	6.7	9.0	9.3	7.6	3.5	3.1	2.3	58.0
1942	2.6	3.5	4.8	3.7	7.0	8.4	10.4	9.7	8.3	5.0	4.1	1.5	69.0
1943	2.8	4.2	3.7	5.0	4.2	8.0	9.6	13.6	9.3	6.7	4.5	1.4	73.0
1944	1.1	2.3	4.0	6.7	7.0	9.3	9.9	11.0	7.8	5.6	4.2	2.1	71.0
1945	2.1	2.0	3.3	3.8	7.2	8.7	8.0	9.5	8.2	3.8	3.8	2.6	63.0
1946	2.1	2.9	4.6	5.7	6.4	6.7	10.6	11.4	5.8	5.4	3.5	2.9	68.0
1947	2.0	3.4	3.1	3.4	5.0	9.4	10.9	11.7	10.6	6.8	3.4	3.3	73.0
1948	2.1	1.5	3.5	6.6	6.7	8.2	8.9	9.7	9.1	5.9	5.5	4.3	72.0
1949	1.0	1.3	3.4	3.5	5.9	7.8	10.0	9.4	6.8	5.5	4.6	2.8	62.0
1950	2.6	3.3	5.0	5.5	4.7	7.6	6.5	7.7	5.2	6.7	5.6	2.6	63.0
1951	3.2	2.0	4.9	5.5	6.1	8.0	10.2	10.6	8.4	6.1	2.8	4.2	72.0
1952	3.8	3.4	4.4	5.3	7.0	12.0	11.5	14.4	10.2	9.6	4.8	2.6	89.0
1953	4.4	4.5	4.4	5.8	7.8	11.8	11.2	10.3	11.6	3.9	2.5	2.8	81.0
1954	2.3	3.6	4.0	4.7	4.5	9.3	12.2	13.2	10.1	6.9	4.4	2.8	78.0
1955	2.7	3.1	5.2	6.7	7.5	7.8	11.5	11.0	9.6	6.9	5.4	3.6	81.0
1956	3.0	3.2	6.4	7.2	8.8	12.3	13.2	14.8	13.8	7.1	3.7	2.5	96.0
1957	1.6	1.7	3.1	3.6	3.9	6.9	11.2	11.4	7.9	4.3	3.3	3.1	62.0

NET RESERVOIR EVAPORATION IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.15	.07	.50	.20	.38	.54	.99	.60	.42	.42	.01	.13	4.41
1941	.07	-.04	.18	-.06	-.42	-.07	.55	.47	.38	-.39	.22	.12	1.01
1942	.21	.24	.29	-.39	.48	.57	.77	.72	.26	.02	.32	-.07	3.42
1943	.23	.34	.18	.19	-.17	.46	.76	1.09	.66	.53	.32	-.10	4.49
1944	-.04	.03	.25	.40	.48	.57	.71	.73	.48	.30	.23	.06	4.20
1945	-.02	-.01	.20	.14	.55	.40	.47	.60	.13	.23	.25	.22	3.16
1946	.03	.17	.28	.43	.33	.36	.82	.87	-.02	.23	.12	.09	3.71
1947	.14	.26	.20	.02	-.20	.73	.85	.93	.86	.27	.13	.11	4.30
1948	.13	-.02	.17	.50	.12	.32	.55	.73	.75	.41	.43	.36	4.45
1949	-.22	.07	.16	.14	.10	.39	.78	.60	.35	.14	.38	.15	3.04
1950	.17	.16	.42	.33	.07	.37	.18	.35	.12	.56	.47	.21	3.41
1951	.23	.03	.34	.37	.00	.16	.70	.61	.58	.28	.22	.35	3.92
1952	.27	.25	.20	.20	.21	.97	.72	1.08	.83	.60	.29	.16	5.78
1953	.33	.33	.22	.28	.47	.92	.76	.69	.95	.00	.12	.19	5.26
1954	.18	.30	.33	.21	-.39	.71	1.02	1.06	.83	.52	.36	.12	5.25
1955	.11	.15	.26	.50	.03	.16	.81	.83	.37	.06	.45	.29	4.02
1956	.23	.18	.53	.59	.43	.99	.98	1.19	1.11	.33	.28	.07	6.91
1957	.08	.03	.08	-.35	-.50	.19	.84	.88	.48	.02	-.02	.25	1.98

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE D - 5

Lat. 33° to 34° N.

Long. 102° to 103° W.

GROSS LAKE SURFACE EVAPORATION IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.4	2.0	5.8	6.5	7.9	8.5	12.8	9.5	10.1	6.3	3.0	2.2	76.0
1941	2.3	2.3	3.4	5.3	4.8	7.7	8.7	9.0	6.9	4.1	3.2	2.3	60.0
1942	2.2	3.3	5.0	4.7	8.7	8.2	10.0	10.0	5.8	4.7	4.3	1.1	68.0
1943	2.5	4.3	4.5	6.8	6.3	9.7	9.0	13.4	8.6	6.5	4.8	1.6	78.0
1944	1.8	2.0	3.8	6.5	6.7	9.4	9.0	9.8	6.9	5.0	3.3	1.8	66.0
1945	1.9	2.3	4.3	5.2	8.1	9.8	8.6	8.7	9.2	3.9	4.4	2.6	69.0
1946	2.5	3.5	5.1	7.3	7.9	10.9	11.6	12.4	6.5	6.4	3.4	2.5	80.0
1947	1.3	2.9	2.7	5.2	8.2	9.6	10.1	10.6	13.1	7.8	4.2	2.3	78.0
1948	1.7	2.8	5.1	7.1	7.4	8.5	10.3	10.3	8.6	6.1	5.0	4.1	77.0
1949	2.2	2.5	4.5	4.9	5.2	8.7	8.8	10.5	9.4	4.8	6.0	3.5	71.0
1950	3.4	3.1	5.5	5.6	5.7	7.0	5.5	8.9	6.6	9.2	6.5	4.0	71.0
1951	3.1	2.9	5.4	6.6	6.9	8.8	11.0	9.9	9.6	7.5	4.2	4.1	80.0
1952	3.4	4.6	6.6	6.0	7.4	13.0	10.8	13.7	10.4	9.8	5.7	3.6	95.0
1953	4.6	3.6	5.4	7.6	8.0	12.8	11.8	10.2	11.2	6.3	3.7	3.8	89.0
1954	3.9	5.1	6.4	6.6	5.9	11.2	12.4	11.5	11.4	8.9	5.8	4.9	94.0
1955	3.1	2.9	8.2	7.8	6.9	8.2	10.9	9.6	8.0	7.5	6.2	5.7	85.0
1956	3.7	3.9	7.3	8.9	8.6	9.6	12.2	13.3	12.5	8.6	4.2	5.2	98.0
1957	3.4	3.2	5.8	5.4	5.6	9.2	12.0	11.8	9.2	5.9	3.2	4.3	79.0

NET RESERVOIR EVAPORATION IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.10	.02	.48	.40	.49	.45	1.06	.57	.77	.47	.08	.17	5.06
1941	.15	.13	-.02	.25	-.37	.34	.38	.61	.17	-.17	.24	.13	1.84
1942	.17	.24	.37	.13	.66	.46	.64	.54	.04	.10	.36	-.12	3.59
1943	.19	.35	.37	.53	.38	.54	.40	1.07	.65	.53	.34	-.02	5.33
1944	.05	.08	.27	.47	.39	.52	.50	.70	.27	.36	.15	.06	3.82
1945	.12	.17	.35	.40	.65	.78	.50	.57	.63	.17	.36	.19	4.89
1946	.11	.28	.38	.58	.57	.75	.94	.70	.29	.21	.24	.11	5.16
1947	.03	.24	.17	.35	.24	.67	.73	.88	1.07	.62	.23	.16	5.39
1948	.13	.10	.42	.56	.44	.61	.74	.78	.60	.44	.41	.33	5.56
1949	-.10	.19	.33	.23	.01	.42	.58	.73	.39	.29	.50	.26	3.83
1950	.27	.25	.46	.42	.32	.48	.02	.60	.26	.73	.54	.33	4.68
1951	.24	.19	.40	.53	.22	.55	.78	.53	.73	.53	.33	.34	5.37
1952	.22	.37	.55	.31	.48	.97	.71	1.04	.81	.82	.41	.29	6.98
1953	.35	.29	.38	.58	.58	.99	.83	.71	.92	.23	.30	.31	6.47
1954	.33	.42	.53	.38	.20	.88	1.00	.82	.94	.53	.48	.38	6.89
1955	.19	.24	.68	.62	.33	.57	.68	.77	.46	.22	.50	.48	5.74
1956	.31	.23	.61	.73	.54	.61	.92	1.05	1.02	.61	.35	.40	7.38
1957	.27	.19	.43	.20	.09	.38	.86	.90	.65	.16	.13	.35	4.61

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE D-6

Lat. 33° to 34° N.

Long. 101° to 102° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.4	1.9	5.7	6.5	7.8	8.4	12.6	9.4	9.9	6.2	3.0	2.2	75.0
1941	2.4	2.4	3.5	5.5	5.0	7.9	9.0	9.2	7.1	4.3	3.3	2.4	62.0
1942	2.2	3.3	5.0	4.6	8.6	8.0	9.8	9.8	5.8	4.6	4.2	1.1	67.0
1943	2.5	4.3	4.6	6.9	6.4	9.8	9.1	13.7	8.7	6.6	4.8	1.6	79.0
1944	2.7	3.0	5.8	9.8	10.1	14.3	13.7	14.8	10.5	7.5	5.0	2.8	100.0
1945	1.9	2.3	4.4	5.2	8.1	9.6	8.6	8.7	9.2	3.9	4.4	2.6	69.0
1946	2.5	3.5	5.1	7.3	7.9	10.9	11.6	12.4	6.5	6.4	3.4	2.5	80.0
1947	1.3	2.9	2.7	5.2	8.2	9.6	10.1	10.6	13.1	7.8	4.2	2.3	78.0
1948	1.7	2.9	5.1	7.2	7.5	8.6	10.5	10.4	8.7	6.2	5.1	4.1	78.0
1949	2.1	2.3	4.3	4.6	4.9	8.2	8.4	10.1	8.6	4.6	5.6	3.3	67.0
1950	3.4	3.0	5.3	5.5	5.6	6.8	5.4	8.6	6.4	8.7	6.4	3.9	69.0
1951	3.0	2.8	5.2	6.4	6.8	8.6	10.7	9.7	9.4	7.3	4.1	4.0	78.0
1952	3.3	4.5	6.5	5.9	7.3	12.7	10.5	13.4	10.2	9.6	5.6	3.5	93.0
1953	4.4	3.6	5.1	7.5	7.8	12.5	11.5	10.0	11.0	6.2	3.7	3.7	87.0
1954	3.9	5.0	6.3	6.5	5.9	11.1	12.4	11.3	11.2	8.8	5.8	4.8	93.0
1955	3.0	2.8	8.0	7.6	6.7	8.0	10.7	9.4	7.8	7.3	6.1	5.6	83.0
1956	3.7	3.9	7.2	8.8	8.5	9.5	12.1	13.0	12.4	8.6	4.2	5.1	97.0
1957	3.2	3.0	5.5	5.1	5.3	8.8	11.5	11.2	8.7	5.6	3.0	4.1	75.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.09	.04	.46	.37	.56	.48	1.03	.58	.79	.39	.04	.16	4.99
1941	.12	.09	.02	.18	-.48	.35	.50	.63	.18	-.28	.26	.14	1.71
1942	.18	.25	.38	.08	.65	.50	.62	.53	-.03	.12	.34	-.13	3.49
1943	.21	.35	.35	.52	.27	.56	.51	1.12	.59	.53	.31	-.01	5.31
1944	.03	.05	.29	.48	.41	.68	.45	.66	.33	.32	.13	.01	3.84
1945	.11	.13	.34	.39	.64	.78	.49	.53	.61	.13	.32	.19	4.66
1946	.08	.28	.39	.58	.52	.69	.90	.73	.33	.13	.26	.14	5.03
1947	.05	.23	.14	.36	.09	.67	.79	.84	1.08	.60	.22	.12	5.19
1948	.13	.11	.41	.57	.45	.58	.71	.81	.69	.40	.41	.33	5.60
1949	-.12	.17	.30	.24	.02	.33	.55	.66	.34	.22	.47	.23	3.41
1950	.27	.24	.44	.38	.15	.43	.13	.60	.18	.69	.53	.33	4.37
1951	.23	.18	.38	.49	.38	.63	.76	.50	.73	.50	.33	.33	5.44
1952	.20	.35	.53	.26	.43	.98	.62	1.01	.75	.80	.42	.24	6.59
1953	.35	.27	.36	.56	.60	1.02	.83	.67	.84	.15	.28	.31	6.24
1954	.32	.42	.53	.31	.03	.89	1.02	.78	.93	.59	.47	.34	6.63
1955	.18	.21	.63	.60	.29	.51	.56	.76	.41	.33	.50	.47	5.45
1956	.31	.26	.60	.71	.52	.64	.93	1.06	1.02	.64	.35	.40	7.44
1957	.24	.12	.40	.12	-.09	.41	.78	.87	.63	.10	.05	.34	3.97

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE D - 7

Lat. 33° to 34° N.

Long. 100° to 101° W.

GROSS LAKE SURFACE EVAPORATION IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.2	2.9	5.8	6.2	7.0	7.9	12.4	8.8	10.2	7.4	4.5	2.7	78.0
1941	3.0	2.9	3.7	5.4	4.9	7.5	8.6	9.7	6.4	3.0	5.0	2.9	63.0
1942	2.7	3.4	5.4	4.4	7.2	8.3	9.9	9.5	6.6	4.9	5.2	1.5	69.0
1943	3.1	4.3	4.7	6.9	6.7	8.3	7.6	12.7	8.8	7.4	5.2	2.3	78.0
1944	2.2	2.4	3.9	6.7	6.2	8.9	8.2	10.7	7.7	5.4	3.7	2.0	68.0
1945	2.4	2.6	4.5	5.7	8.7	9.6	6.4	9.2	8.6	4.3	4.9	3.1	70.0
1946	3.0	3.2	5.2	7.4	7.5	9.4	12.3	12.6	7.1	5.2	4.5	3.0	81.0
1947	3.1	3.0	3.5	4.9	6.2	9.7	13.5	8.6	11.2	6.8	3.9	2.6	77.0
1948	2.0	2.2	4.7	7.1	7.6	8.9	9.6	10.3	9.5	6.9	5.4	4.8	79.0
1949	1.4	2.8	4.5	4.5	5.3	8.5	9.9	8.6	7.4	6.1	5.6	3.4	68.0
1950	2.9	3.1	5.5	6.1	5.2	7.8	7.0	9.2	5.4	6.2	5.6	3.0	67.0
1951	3.0	3.0	5.1	6.2	6.8	8.5	9.8	9.6	7.8	6.8	5.1	4.3	76.0
1952	3.3	4.8	5.8	6.3	8.6	13.7	10.3	12.3	9.6	8.6	5.2	3.5	92.0
1953	4.8	3.9	5.8	7.4	9.1	11.5	9.9	8.4	9.2	7.7	3.7	3.6	85.0
1954	3.2	5.2	5.3	5.5	5.7	9.4	11.9	11.7	12.6	8.5	6.7	6.3	92.0
1955	2.4	3.4	5.9	8.2	8.5	8.2	9.8	9.8	8.3	6.6	5.5	4.4	81.0
1956	3.1	3.5	6.8	7.0	9.3	11.7	12.7	12.0	11.9	8.2	5.1	4.7	96.0
1957	2.7	2.3	4.5	5.6	5.9	8.4	11.7	10.0	8.0	5.5	3.2	4.2	72.0

NET RESERVOIR EVAPORATION IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.17	.10	.47	.37	.44	.55	1.02	.37	.79	.53	.17	.21	5.19
1941	.17	.07	.17	.12	-.12	.25	.58	.53	.14	-.52	.39	.18	1.96
1942	.22	.26	.42	.04	.50	.48	.71	.45	.20	.18	.42	-.01	3.87
1943	.25	.36	.38	.47	.29	.42	.47	1.05	.57	.58	.36	.04	5.24
1944	.07	.02	.29	.47	.34	.62	.51	.67	.57	.36	.15	-.01	4.06
1945	.13	.13	.30	.37	.71	.62	.19	.61	.40	.22	.36	.24	4.28
1946	.16	.23	.40	.53	.49	.54	1.00	.75	.35	.27	.30	.11	5.13
1947	.20	.24	.19	.25	-.20	.69	1.11	.70	.92	.45	.15	.09	4.79
1948	.16	.00	.36	.56	.50	.42	.62	.79	.78	.45	.42	.39	5.45
1949	-.12	.21	.28	.21	.05	.37	.68	.53	.40	.29	.47	.21	3.58
1950	.19	.23	.46	.37	.03	.39	.22	.61	-.06	.52	.47	.24	3.67
1951	.23	.22	.33	.42	.33	.46	.64	.57	.48	.44	.41	.36	4.89
1952	.23	.37	.42	.26	.51	1.13	.67	.98	.69	.72	.32	.22	6.52
1953	.39	.27	.41	.54	.67	.91	.54	.52	.75	.27	.28	.30	5.85
1954	.22	.42	.43	.27	-.10	.73	.99	.90	1.05	.64	.47	.42	6.44
1955	.13	.25	.41	.65	.14	-.17	.67	.77	.37	.16	.45	.37	4.20
1956	.24	.23	.57	.56	.56	.93	1.02	.99	.98	.59	.41	.33	7.41
1957	.20	.04	.31	.02	-.01	.31	.88	.67	.59	.08	.01	.34	3.44

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

GUADRANGLE D - 10

Lat. 33° to 34° N.

Long. 99° to 100° W.

GROSS LAKE SURFACE EVAPORATION IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.1	2.9	5.9	6.4	7.4	8.3	12.3	9.7	10.0	7.4	4.3	2.3	79.0
1941	2.7	2.6	3.6	5.1	5.3	7.3	9.1	9.8	7.4	4.9	4.2	3.0	65.0
1942	2.6	3.4	5.3	4.5	7.3	9.0	10.3	10.2	7.7	5.4	5.3	2.0	73.0
1943	2.8	3.9	4.3	6.2	6.3	8.5	9.4	12.8	8.7	7.2	4.8	2.1	77.0
1944	1.9	2.3	3.8	6.3	6.1	9.2	9.0	11.2	8.1	5.3	3.7	2.1	69.0
1945	2.2	2.6	3.9	5.0	8.3	9.5	7.8	10.3	10.4	4.9	5.0	3.1	73.0
1946	2.7	3.2	5.1	6.9	7.6	9.4	13.0	13.0	7.7	6.2	4.3	2.9	82.0
1947	2.4	2.9	3.3	4.5	6.0	9.6	12.2	10.6	11.1	7.2	3.8	2.4	76.0
1948	2.3	1.9	4.3	7.1	7.4	9.0	10.6	11.5	10.7	7.3	5.6	4.3	82.0
1949	1.8	2.0	4.1	4.4	5.8	8.8	10.8	9.8	8.0	6.4	5.0	3.1	70.0
1950	2.6	3.0	5.4	5.8	5.7	8.2	7.2	8.6	6.3	6.9	5.4	2.9	68.0
1951	2.9	2.6	4.7	5.8	6.1	7.7	10.3	10.7	8.7	6.8	4.0	3.7	74.0
1952	3.1	4.0	5.0	5.5	7.6	11.8	10.6	14.7	11.0	9.4	5.1	3.2	91.0
1953	3.4	3.5	4.8	6.3	8.3	12.0	10.0	9.1	9.8	7.3	3.9	3.6	82.0
1954	2.9	5.0	5.3	5.1	5.2	9.2	12.3	14.0	12.9	8.7	6.3	5.1	92.0
1955	2.3	3.1	5.3	6.6	7.6	8.0	10.0	11.3	9.0	7.5	6.2	4.1	81.0
1956	2.5	3.3	6.2	6.5	8.6	11.3	12.9	12.8	12.4	8.0	4.6	3.9	93.0
1957	2.7	1.7	3.8	4.2	4.5	7.5	11.5	11.6	9.3	6.3	3.1	3.8	70.0

NET RESERVOIR EVAPORATION IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.14	.06	.49	.32	.34	.36	.93	.49	.70	.53	.11	.13	4.60
1941	.13	-.04	.19	-.02	-.33	.10	.58	.54	.44	-.28	.29	.13	1.73
1942	.20	.26	.39	-.13	.47	.62	.74	.60	.35	.07	.00	.00	3.57
1943	.22	.32	.20	.35	.31	.40	.75	1.07	.67	.53	.31	-.01	5.12
1944	.02	-.06	.25	.42	.34	.55	.63	.73	.62	.24	.10	.03	3.87
1945	.05	.05	.17	.20	.67	.58	.37	.68	.62	.27	.38	.24	4.28
1946	-.17	.19	.35	.52	.42	.50	1.04	.91	.27	.41	.16	.02	4.62
1947	.16	.22	.16	.22	-.17	.72	.94	.88	.82	.47	.12	.07	4.61
1948	.17	.01	.16	.53	.26	.35	.65	.88	.84	.47	.44	.34	5.10
1949	-.19	.06	.29	.18	.11	.38	.78	.59	.34	.29	.42	.17	3.42
1950	.12	.19	.45	.26	-.03	.37	.13	.42	.14	.56	.45	.23	3.29
1951	.22	.17	.32	.40	.13	.39	.72	.72	.47	.46	.29	.31	4.60
1952	.23	.28	.34	.23	.34	.96	.74	1.21	.84	.78	.27	.18	6.40
1953	.27	.21	.22	.40	.58	.87	.37	.43	.79	.14	.26	.27	4.81
1954	.20	.41	.44	.13	-.19	.63	1.02	1.07	1.05	.61	.41	.26	6.04
1955	.08	.17	.33	.48	.18	.34	.71	.90	.28	.36	.52	.33	4.68
1956	.18	.20	.51	.49	.50	.90	1.03	.98	1.01	.47	.35	.22	6.84
1957	.17	-.02	.18	-.13	-.28	.45	.90	.90	.69	.22	-.11	.29	3.26

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE D - 9

Lat. 33° to 34° N.

Long. 98° to 99° W.

GROSS LAKE SURFACE EVAPORATION IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.0	2.8	5.8	6.2	7.4	8.0	11.6	9.9	9.1	6.8	3.7	1.7	75.0
1941	2.1	2.0	3.1	4.3	5.3	6.5	8.7	9.0	7.8	6.4	3.0	2.8	61.0
1942	2.3	3.0	4.6	4.2	6.7	8.8	9.9	10.0	7.9	5.5	4.9	2.2	70.0
1943	2.4	3.5	4.0	5.4	5.8	8.5	11.0	12.4	8.6	6.9	4.5	2.0	75.0
1944	1.7	2.3	3.7	6.0	6.3	9.8	10.0	12.0	8.7	5.5	3.8	2.2	72.0
1945	1.9	2.2	3.1	4.0	7.3	8.6	8.6	10.4	11.2	5.1	4.8	2.8	70.0
1946	2.1	2.9	4.4	5.9	7.0	8.6	12.4	12.2	7.6	5.8	3.6	2.5	75.0
1947	1.8	2.8	3.2	4.0	5.7	9.4	10.9	12.6	11.0	7.6	3.7	2.3	75.0
1948	2.4	1.3	3.7	6.6	6.7	8.5	10.8	11.7	11.2	7.1	5.5	3.5	79.0
1949	2.1	1.1	3.5	4.1	6.0	8.5	11.2	10.4	8.1	6.2	4.2	2.6	68.0
1950	2.4	3.0	5.5	5.7	6.0	8.5	7.5	8.0	7.1	7.2	5.4	2.7	69.0
1951	2.7	2.2	4.3	5.5	5.4	7.0	10.7	11.6	9.5	6.9	3.0	3.2	72.0
1952	2.8	3.2	4.2	4.8	6.7	9.7	10.9	16.8	12.4	9.8	4.9	2.8	89.0
1953	2.2	3.1	4.1	5.3	7.6	12.7	10.2	9.9	10.3	6.8	4.1	3.7	80.0
1954	2.4	4.3	5.0	4.6	4.5	8.4	12.3	15.2	12.6	8.6	5.5	3.6	87.0
1955	2.2	2.7	4.8	4.9	6.6	7.8	10.2	12.7	9.2	8.2	6.9	3.8	80.0
1956	2.0	3.3	5.8	6.2	8.1	11.0	13.5	13.9	13.1	7.9	4.0	3.2	92.0
1957	2.6	1.3	3.0	2.9	3.1	6.2	11.1	12.9	10.4	7.0	3.1	3.4	67.0

NET RESERVOIR EVAPORATION IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.15	.08	.47	.25	.33	.20	.84	.53	.58	.46	.00	-.03	3.86
1941	.06	-.13	.17	-.04	.06	.07	.52	.52	.42	-.45	.20	.13	1.53
1942	.17	.22	.33	-.24	.48	.44	.78	.63	.36	-.01	.32	.04	3.52
1943	.18	.28	.13	.24	.21	.48	.88	1.03	.63	.46	.31	-.08	4.75
1944	-.02	-.06	.19	.28	.28	.64	.69	.81	.58	.17	.10	.04	3.70
1945	.03	-.04	-.07	.07	.56	.31	.46	.69	.47	.32	.36	.22	3.38
1946	-.07	.14	.19	.38	.28	.63	.97	.87	.27	.33	.08	-.07	4.00
1947	.12	.19	.12	-.01	.00	.53	.85	1.02	.88	.51	.11	.06	4.38
1948	.15	-.08	.18	.45	.15	.31	.79	.93	.93	.48	.43	.27	4.99
1949	-.15	-.03	.17	.21	-.07	.47	.85	.72	.24	.19	.35	.11	3.06
1950	.12	.12	.44	.17	-.05	.43	-.08	.24	.21	.58	.45	.23	2.86
1951	.17	.06	.23	.33	-.02	.17	.74	.86	.62	.48	.20	.27	4.11
1952	.18	.23	.24	.19	.18	.78	.78	1.38	1.02	.82	.17	.14	6.11
1953	.17	.19	.16	.32	.41	.90	.72	.58	.81	.04	.22	.23	4.75
1954	.13	.34	.13	.02	-.19	.46	.93	1.25	1.03	.63	.38	.14	5.25
1955	.07	.12	.29	.27	.03	.22	.72	.96	.23	.53	.57	.29	4.30
1956	.09	.18	.48	.46	.30	.83	1.05	1.08	1.06	.30	.25	.12	6.20
1957	.13	-.11	.08	-.45	-.59	.27	.83	1.07	.72	.28	-.18	.23	2.28

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE D - 10

Lat. 33° to 34° N.

Long. 97° to 98° W

GROSS LAKE SURFACE EVAPORATION IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.7	2.3	5.2	5.2	6.2	6.6	8.6	9.7	8.9	6.6	3.7	2.3	67.0
1941	2.3	2.3	3.1	3.1	5.3	6.1	8.7	8.2	7.5	4.8	3.3	2.3	57.0
1942	2.4	2.8	4.6	4.1	5.5	6.8	9.3	8.1	6.6	5.0	4.6	2.2	62.0
1943	2.5	3.5	3.7	5.2	5.0	7.4	9.9	11.7	7.4	5.8	3.8	2.1	68.0
1944	1.8	2.2	3.2	5.3	4.7	8.5	9.3	11.2	7.5	5.8	3.7	2.8	66.0
1945	2.2	2.3	3.2	3.7	6.5	7.2	6.7	8.7	8.3	4.6	4.1	2.5	60.0
1946	2.1	3.2	3.6	4.8	4.6	6.5	9.9	9.9	5.3	5.3	3.0	2.8	61.0
1947	2.5	3.1	3.5	3.9	5.5	7.6	10.2	11.3	9.9	6.5	3.8	2.2	70.0
1948	2.2	1.4	3.5	6.1	5.2	8.1	8.7	10.5	9.2	6.8	6.5	3.8	72.0
1949	2.2	2.1	4.2	4.0	4.9	7.0	7.7	8.4	7.0	5.4	4.2	2.9	60.0
1950	2.3	3.3	5.1	4.5	5.1	6.6	6.7	9.2	5.8	6.9	5.9	3.6	65.0
1951	3.4	1.8	4.5	5.4	5.5	5.8	8.8	10.5	8.3	6.6	4.4	3.0	68.0
1952	3.0	3.1	3.4	5.5	6.2	7.4	10.8	10.8	9.0	8.0	8.6	2.4	78.0
1953	2.7	2.5	3.6	4.6	6.0	8.2	9.4	11.0	10.0	7.1	4.4	4.5	74.0
1954	2.0	4.3	5.2	4.7	4.6	7.8	12.6	13.0	12.2	7.4	5.1	4.1	83.0
1955	2.8	3.3	3.9	4.8	8.2	5.6	9.3	9.7	8.5	7.6	5.6	4.7	74.0
1956	3.5	3.5	5.0	5.7	5.8	9.0	12.9	13.7	13.7	8.2	5.8	4.2	91.0
1957	2.5	2.5	3.1	3.2	4.5	6.6	8.6	10.7	8.0	5.6	4.2	3.5	63.0

NET RESERVOIR EVAPORATION IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.11	-.01	.41	.04	.09	.14	.45	.60	.59	.47	-.16	-.06	2.67
1941	.12	-.09	.16	-.10	.27	-.08	.64	.37	.51	-.32	.22	.10	1.80
1942	.18	.18	.31	-.57	.22	.30	.75	.50	.32	.05	.32	.08	2.64
1943	.20	.24	.03	.31	.00	.38	.76	.97	.48	.38	.28	-.09	3.94
1944	-.01	-.17	.12	.16	-.02	.63	.65	.67	.53	.25	.03	.02	2.86
1945	.08	-.17	-.15	.02	.47	.32	.20	.65	.27	.17	.28	.18	2.32
1946	-.08	.06	.12	.19	-.08	.32	.75	.68	.27	.36	-.13	-.07	2.45
1947	.16	.22	.10	-.02	.10	.35	.83	.86	.67	.38	.13	-.02	3.76
1948	.10	-.16	.19	.42	-.02	.34	.61	.81	.72	.47	.49	.29	4.26
1949	-.15	.02	.17	.22	-.06	.31	.55	.55	.22	.05	.35	.12	2.35
1950	.02	.08	.38	.05	-.03	.15	-.04	.33	.07	.57	.49	.30	2.37
1951	.23	-.03	.31	.32	.12	.03	.56	.81	.53	.33	.28	.24	3.73
1952	.19	.16	.11	.09	.13	.58	.82	.86	.72	.67	.38	.04	4.75
1953	.19	.12	.07	.08	.20	.61	.53	.74	.72	.08	.17	.28	3.84
1954	.01	.34	.42	.09	-.04	.42	.95	.95	.91	.38	.38	.18	4.99
1955	.11	.14	.21	.22	.14	.02	.69	.73	.40	.60	.47	.33	4.06
1956	.20	.12	.40	.43	.20	.67	.99	1.08	1.14	.41	.33	.12	6.09
1957	.12	-.01	.04	-.57	-.46	.32	.69	.86	.43	.23	-.11	.21	1.75

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE D-11

Lat. 33° to 34° N.

Long. 96° to 97° W.

GROSS LAKE SURFACE EVAPORATION IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.6	2.2	4.8	4.8	5.7	6.2	8.0	8.9	8.2	6.1	3.4	2.1	62.0
1941	2.1	2.1	2.8	2.9	4.8	5.6	7.9	7.5	6.8	4.4	3.0	2.1	52.0
1942	2.1	2.6	4.2	3.7	5.0	6.2	8.3	7.3	6.0	4.5	4.1	2.0	56.0
1943	2.3	3.2	3.4	4.7	4.5	6.8	9.0	10.7	6.7	5.3	3.5	1.9	62.0
1944	1.6	2.0	2.9	4.8	4.4	7.7	8.4	10.1	6.8	5.3	3.4	2.6	60.0
1945	2.0	2.1	2.9	3.4	5.9	6.5	6.2	7.9	7.8	4.2	3.8	2.3	55.0
1946	1.9	3.0	3.4	4.4	4.3	6.1	9.2	9.3	5.0	5.0	2.8	2.6	57.0
1947	2.2	2.7	3.1	3.5	4.8	6.8	9.0	10.1	8.8	5.8	3.3	1.9	62.0
1948	1.7	1.5	3.2	6.5	6.0	8.1	8.1	8.3	7.6	5.6	4.4	3.0	64.0
1949	1.9	1.9	2.8	3.7	4.9	7.2	8.5	7.4	5.7	4.1	4.0	1.9	54.0
1950	2.0	3.3	4.3	4.9	5.8	7.0	5.7	7.2	4.6	5.9	4.7	2.6	58.0
1951	3.1	2.2	4.1	5.3	5.3	6.7	8.5	10.3	7.3	6.4	2.9	2.9	65.0
1952	2.7	2.8	4.0	4.1	7.4	9.4	9.4	10.5	6.8	6.5	4.5	1.9	70.0
1953	2.4	2.3	3.8	4.9	6.2	10.6	8.3	8.1	7.7	4.9	2.7	3.1	65.0
1954	2.3	4.3	4.9	5.5	4.5	8.4	12.0	12.5	9.3	5.5	2.9	2.9	75.0
1955	2.0	1.9	4.4	5.1	5.9	7.5	9.4	8.4	6.6	7.2	5.0	2.6	66.0
1956	2.7	2.9	4.5	5.7	7.4	9.7	12.8	14.3	10.8	6.2	4.0	3.0	84.0
1957	2.3	1.8	2.7	3.1	5.4	7.4	10.3	9.2	6.3	3.7	3.5	3.3	59.0

NET RESERVOIR EVAPORATION IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.08	-.02	.31	-.01	.15	.18	.42	.66	.65	.38	-.11	-.13	2.56
1941	.13	-.02	.09	-.17	.18	-.03	.47	.38	.50	-.08	.18	.03	1.66
1942	.12	.15	.26	-.44	.16	.16	.68	.40	.28	.14	.23	.00	2.14
1943	.17	.20	.01	.29	-.01	.27	.72	.59	.42	.33	.25	-.08	3.46
1944	-.02	-.18	.12	.22	-.08	.51	.54	.63	.49	.28	.06	-.03	2.54
1945	.08	-.29	-.30	.08	.31	.08	.23	.56	.32	.13	.21	.14	1.55
1946	-.03	-.02	.07	.13	-.23	.39	.72	.41	.23	.32	-.47	-.02	1.50
1947	.09	.19	.06	.04	.17	.29	.72	.53	.58	.24	.07	-.20	2.78
1948	.01	-.14	.14	.42	-.03	.48	.31	.65	.62	.33	.31	.17	3.27
1949	-.29	-.10	.03	.07	.08	.33	.52	.49	.18	-.17	.30	-.05	1.39
1950	-.26	-.04	.28	.14	-.08	.38	-.19	.19	.13	.46	.37	.21	1.59
1951	.10	-.14	.27	.27	.18	-.14	.52	.80	.42	.31	.12	.13	2.84
1952	.18	.10	.10	-.22	.22	.71	.65	.82	.51	.53	-.12	-.08	3.40
1953	.14	.08	.01	-.13	.25	.83	.39	.53	.47	.12	-.06	.10	2.73
1954	-.02	.29	.36	.14	-.08	.48	.96	.90	.53	-.13	.16	.08	3.67
1955	.16	-.04	.16	.13	.17	.45	.59	.57	.27	.51	.40	.17	3.54
1956	.09	-.04	.33	.30	.39	.68	1.01	1.17	.88	.35	.04	.06	5.26
1957	.07	.01	-.10	-.57	-.36	.37	.74	.14	.13	.13	-.21	.17	0.52

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE D - 12

Lat. 33° to 34° N.

Long. 95° to 96° W.

GROSS LAKE SURFACE EVAPORATION IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.6	2.1	3.5	4.1	4.7	5.3	6.4	7.3	6.1	4.9	3.1	2.9	52.0
1941	2.0	2.2	2.9	3.3	4.2	4.8	6.2	6.4	5.6	4.1	2.9	2.4	47.0
1942	2.4	2.3	3.4	3.3	4.4	5.5	6.6	6.7	5.5	4.5	3.5	1.9	50.0
1943	2.2	3.2	3.1	4.4	5.0	6.0	7.1	8.3	6.0	4.5	3.2	2.0	55.0
1944	1.8	2.4	2.8	4.2	3.7	6.0	6.9	7.3	5.7	5.0	3.0	2.2	51.0
1945	1.9	2.4	2.5	3.2	4.9	5.3	5.3	5.9	6.9	4.6	3.6	2.5	49.0
1946	1.8	2.8	3.4	3.7	4.7	5.1	6.6	7.2	5.0	4.5	3.8	2.4	51.0
1947	1.6	2.8	3.1	2.9	4.2	5.7	7.3	7.5	6.5	5.2	3.7	2.5	53.0
1948	1.3	1.1	2.8	4.9	4.6	6.3	7.8	8.6	7.2	5.1	3.7	2.6	56.0
1949	1.5	1.6	2.6	3.0	4.6	5.3	6.6	6.5	6.8	3.7	3.5	2.3	48.0
1950	1.6	2.0	3.5	3.2	4.2	5.2	5.8	6.5	4.3	4.2	3.9	2.6	47.0
1951	2.4	1.6	3.5	4.0	4.8	5.2	6.9	8.7	3.7	4.6	3.1	2.5	51.0
1952	2.4	3.1	2.9	3.4	4.5	5.3	6.8	9.7	8.5	7.1	3.8	2.5	60.0
1953	2.4	2.3	3.2	3.5	4.1	7.5	5.2	6.7	6.0	5.7	3.3	3.1	53.0
1954	1.6	3.2	3.3	3.0	4.0	6.2	9.9	11.0	9.5	6.3	3.8	3.2	65.0
1955	2.3	1.6	3.2	3.6	5.0	6.2	7.4	6.0	5.4	6.6	4.7	3.0	55.0
1956	2.8	2.3	4.2	4.0	5.5	6.4	10.5	10.6	8.5	5.9	6.1	3.2	70.0
1957	2.5	1.8	2.9	2.7	3.9	4.9	7.0	6.8	6.0	5.4	3.2	2.9	50.0

NET RESERVOIR EVAPORATION IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.07	.02	.16	-.07	-.08	.17	.25	.48	.44	.26	-.17	-.08	1.45
1941	.10	-.01	.05	-.15	.17	-.10	.19	.38	.37	.01	.13	.01	1.15
1942	.13	.13	.13	-.38	.13	.18	.53	.32	.23	.22	-.15	-.11	1.66
1943	-.06	.20	.02	.19	.13	.26	.53	.65	.37	.21	.18	-.03	2.65
1944	-.02	-.16	-.02	.12	-.23	.38	.45	.30	.39	.36	-.13	-.16	1.28
1945	.05	-.27	-.52	.12	.22	-.02	.18	.33	.25	.10	.20	.15	.79
1946	-.16	-.04	.02	.02	-.26	.31	.48	.33	.28	.28	-.32	.00	0.94
1947	.02	.18	-.02	-.14	.11	.31	.56	.38	.29	.28	.01	-.17	1.81
1948	-.06	-.13	.02	.23	-.22	.40	.45	.58	.54	.23	.17	.08	2.29
1949	-.46	-.13	.02	-.04	.27	.18	.30	.38	.36	-.25	.26	.00	0.89
1950	-.25	-.28	.17	.00	-.28	.32	-.03	.33	-.13	.28	.30	.21	.64
1951	.02	-.18	.23	.15	.20	-.09	.39	.42	-.06	.13	.13	.13	1.47
1952	.05	.08	-.05	-.30	.04	.39	.38	.78	.66	.58	-.19	-.07	2.35
1953	.02	.09	-.03	-.22	.02	.57	.07	.38	.34	.33	.06	-.02	1.61
1954	-.12	.16	.23	.03	-.21	.41	.78	.84	.58	-.09	.22	.12	2.95
1955	.08	-.01	.01	-.02	.20	.47	.37	.04	.18	.31	.35	.18	2.16
1956	.08	-.23	.27	.18	.28	.38	.83	.80	.69	.38	.18	.17	4.01
1957	.02	.00	-.12	-.45	-.34	.08	.49	.43	.08	.17	-.22	.09	0.23

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE D - 13

Lat. 33° to 34° N.

Long. 94° to 95° W.

GROSS LAKE SURFACE EVAPORATION IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.5	1.9	3.2	3.7	4.3	4.8	5.7	6.6	5.4	4.5	2.8	2.6	47.0
1941	1.9	2.0	2.7	3.1	3.9	4.5	5.8	6.0	5.2	3.9	2.7	2.3	44.0
1942	2.2	2.0	3.0	2.9	3.8	4.8	5.8	5.9	4.8	4.0	3.1	1.7	44.0
1943	2.0	2.9	2.7	4.0	4.5	5.3	6.3	7.3	5.2	4.0	2.9	1.8	49.0
1944	1.6	2.0	2.5	3.7	3.2	5.3	6.1	6.5	5.1	4.4	2.7	1.9	45.0
1945	1.8	2.1	2.3	2.9	4.5	4.8	4.9	5.5	6.4	4.2	3.3	2.3	45.0
1946	1.6	2.3	3.0	3.3	4.2	4.5	5.9	6.2	4.5	4.0	3.3	2.2	45.0
1947	1.4	2.3	2.7	2.5	3.7	4.9	6.3	6.5	5.8	4.5	3.2	2.2	46.0
1948	1.2	1.0	2.4	4.3	3.9	5.5	6.9	7.6	6.3	4.4	3.2	2.3	49.0
1949	1.3	1.4	2.3	2.6	4.0	4.6	5.8	5.7	5.9	3.3	3.1	2.0	42.0
1950	1.3	1.7	3.0	2.8	3.6	4.4	4.9	5.5	3.7	3.5	3.4	2.2	40.0
1951	2.2	1.5	3.2	3.6	4.3	4.7	6.3	7.8	3.3	4.0	2.8	2.3	46.0
1952	2.0	2.6	2.5	2.9	3.8	4.5	5.8	8.3	7.2	6.0	3.3	2.1	51.0
1953	2.1	2.0	2.8	3.0	3.5	6.5	4.6	5.8	5.2	5.0	2.8	2.7	46.0
1954	1.3	2.7	2.9	2.6	3.6	5.3	8.5	9.5	8.2	5.4	3.2	2.8	56.0
1955	1.9	1.3	2.7	3.0	4.2	5.2	6.2	5.0	4.5	5.5	4.0	2.5	46.0
1956	2.3	1.9	3.5	3.3	4.5	5.3	8.7	8.8	7.0	4.9	5.1	2.7	58.0
1957	2.1	1.6	2.5	2.3	3.3	4.1	5.9	5.7	5.0	4.4	2.6	2.5	42.0

NET RESERVOIR EVAPORATION IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.06	-.01	.10	-.15	.01	.13	-.01	.34	.40	.23	-.21	-.05	.84
1941	.05	-.02	-.08	-.17	.13	-.06	.21	.28	.27	.08	.06	-.08	.67
1942	.08	.09	.04	-.31	.07	.15	.47	.09	.23	.21	.19	-.16	1.15
1943	.10	.17	.01	.19	.01	.28	.42	.56	.29	.13	.18	-.08	2.26
1944	-.08	-.21	-.13	-.07	-.28	.35	.41	.11	.35	.33	-.23	-.31	.24
1945	.03	-.24	-.71	.02	.13	-.08	.20	.28	.33	.14	.13	.08	.31
1946	-.28	-.10	-.02	-.03	.36	.23	.38	.32	.31	.23	-.38	.04	.34
1947	-.02	.13	-.04	-.08	.02	.22	.49	.33	.22	.22	-.16	-.20	1.13
1948	-.09	-.17	-.07	.13	-.23	.37	.40	.51	.46	.21	.02	.04	1.58
1949	-.45	-.08	-.06	.01	.23	.13	.17	.33	.34	-.46	.23	-.03	.36
1950	-.27	-.40	.02	-.04	-.43	.25	.08	.26	-.35	.21	.25	.17	-.25
1951	-.10	-.22	.14	.04	.21	.06	.28	.59	-.10	.15	.08	.07	1.20
1952	-.06	.07	-.11	-.24	-.03	.31	.31	.57	.58	.48	-.29	-.13	1.46
1953	-.13	.05	-.04	-.17	-.14	.50	-.02	.22	.32	.31	.02	-.07	.85
1954	-.20	.15	.19	.02	-.30	.36	.63	.77	.60	-.02	.16	.02	2.38
1955	.03	-.09	-.08	-.08	.10	.39	.24	-.01	.09	.17	.28	.11	1.15
1956	.05	-.28	.19	.13	.19	.22	.63	.58	.58	.32	.14	.16	2.91
1957	-.08	-.08	-.15	-.45	-.17	.02	.41	.37	.09	.00	-.33	.04	-.33

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE E - 5

Lat. 32° to 33° N.

Long. 102° to 103° W.

GROSS LAKE SURFACE EVAPORATION IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.9	2.9	5.4	7.1	7.5	8.6	10.6	9.9	9.6	7.0	3.5	3.0	77.0
1941	2.1	2.6	4.3	6.6	5.7	7.0	8.7	9.6	7.1	5.0	3.4	2.9	65.0
1942	2.0	3.2	5.5	4.9	9.0	10.0	10.7	8.9	6.6	5.3	5.3	3.6	75.0
1943	3.1	3.9	5.4	6.0	7.4	11.1	8.9	12.2	8.8	7.0	4.2	3.0	81.0
1944	1.6	3.1	4.5	6.8	8.6	10.3	9.3	8.1	5.2	4.6	4.3	1.6	68.0
1945	1.8	3.0	5.6	6.3	10.5	11.9	9.1	9.5	9.6	4.2	5.4	3.1	80.0
1946	1.9	3.7	4.8	7.2	8.5	10.0	13.2	13.9	8.0	6.8	3.9	1.1	83.0
1947	4.5	3.2	2.8	5.4	6.7	9.4	12.1	11.8	10.5	7.6	4.3	2.7	81.0
1948	2.5	2.5	5.4	7.5	8.3	9.8	10.3	12.9	9.0	5.9	5.8	4.1	84.0
1949	3.9	2.3	4.2	4.2	5.9	8.8	10.7	11.2	7.8	6.2	5.0	2.8	73.0
1950	3.2	3.3	4.8	6.2	6.4	8.7	8.9	11.4	7.1	6.6	6.2	2.2	75.0
1951	4.5	3.5	4.3	6.4	7.2	8.6	10.5	12.2	10.0	7.4	4.1	4.3	83.0
1952	4.0	4.7	5.6	7.2	8.8	11.5	11.0	14.1	9.0	9.0	4.7	3.4	93.0
1953	4.4	3.5	4.6	6.9	8.4	11.4	11.1	9.9	10.9	9.3	3.6	4.0	88.0
1954	3.0	4.8	5.5	5.8	6.9	9.9	13.3	11.2	11.8	9.6	7.2	6.0	95.0
1955	2.7	3.8	6.1	7.7	7.2	9.9	9.8	9.6	9.0	8.5	3.9	5.3	84.0
1956	3.2	2.2	6.3	6.2	8.0	10.7	12.4	13.2	12.7	9.0	3.5	2.6	95.0
1957	4.5	2.7	5.9	6.0	6.9	7.4	11.3	12.1	9.6	7.0	3.3	4.3	81.0

NET RESERVOIR EVAPORATION IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.14	.19	.43	.48	.51	.43	.86	.62	.74	.38	.19	.23	5.20
1941	.13	.16	.12	.35	-.28	.30	.56	.65	.27	-.16	.26	.21	2.57
1942	.15	.26	.42	.25	.63	.67	.78	.42	.36	.15	.44	.09	4.62
1943	.25	.31	.43	.47	.46	.77	.56	1.00	.67	.57	.26	.11	5.86
1944	.04	.19	.38	.55	.56	.75	.53	.48	.14	.29	.23	.03	4.17
1945	.08	.24	.43	.49	.87	.96	.46	.73	.64	.17	.44	.23	5.74
1946	.04	.31	.39	.54	.69	.72	1.07	.92	.36	.33	.32	.01	5.70
1947	.32	.27	.11	.43	.12	.72	.95	.95	.84	.58	.28	.19	5.76
1948	.17	.14	.44	.58	.56	.71	.71	1.02	.67	.38	.41	.33	6.12
1949	.08	.17	.32	.18	.29	.51	.69	.78	.26	.40	.42	.20	4.30
1950	.24	.27	.40	.45	.31	.58	.44	.83	.19	.52	.52	.18	4.93
1951	.37	.28	.31	.51	.46	.67	.80	.84	.73	.58	.33	.35	6.23
1952	.32	.37	.45	.50	.60	.93	.71	1.13	.57	.75	.31	.26	6.90
1953	.37	.27	.33	.53	.67	.93	.88	.73	.82	.48	.30	.33	6.64
1954	.23	.40	.46	.28	.12	.69	1.10	.73	.94	.59	.58	.48	6.60
1955	.17	.30	.49	.64	.40	.75	.48	.76	.58	.52	.31	.48	5.88
1956	.26	.13	.53	.48	.53	.82	.98	1.03	1.04	.57	.71	.19	7.27
1957	.34	.10	.47	.41	.23	.47	.87	.87	.67	.35	.14	.35	5.27

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE E-6

Lat. 32° to 33° N.

Long. 101° to 102° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.0	3.1	5.7	7.4	7.8	9.1	11.2	10.4	10.0	7.4	3.7	3.2	81.0
1941	2.2	2.7	4.4	6.8	5.9	7.0	9.0	9.9	7.3	5.2	3.6	3.0	67.0
1942	1.9	3.0	5.2	4.5	8.4	9.5	10.2	8.6	6.2	5.1	5.0	3.4	71.0
1943	3.1	3.9	5.4	6.0	7.4	11.1	8.9	12.2	8.8	7.0	4.2	3.0	81.0
1944	1.7	3.2	4.6	6.9	8.8	10.4	9.4	8.2	5.3	4.6	4.3	1.6	69.0
1945	1.8	3.0	5.6	6.3	10.5	11.9	9.1	9.5	9.6	4.2	5.4	3.1	80.0
1946	1.9	3.7	4.8	7.2	8.5	10.0	13.2	13.9	8.0	6.8	3.9	1.1	83.0
1947	4.4	3.1	2.8	5.3	6.6	9.2	11.8	11.5	10.1	7.4	4.2	2.6	79.0
1948	2.6	2.5	5.5	7.6	8.3	10.0	10.5	13.1	9.0	5.9	5.8	4.2	85.0
1949	3.8	2.3	4.1	4.0	5.8	8.6	10.4	10.8	7.6	6.0	4.8	2.8	71.0
1950	2.9	3.0	4.3	5.6	5.9	7.8	8.0	10.4	6.5	6.0	5.6	2.0	68.0
1951	4.3	3.3	4.1	6.1	6.8	8.2	10.0	11.6	9.6	7.0	3.9	4.1	79.0
1952	4.0	4.7	5.6	7.2	8.8	11.5	11.0	14.1	9.0	9.0	4.7	3.4	93.0
1953	4.3	3.4	4.5	6.8	8.2	11.1	10.8	9.6	10.8	9.1	3.5	3.9	86.0
1954	3.0	4.8	5.4	5.6	6.9	9.8	13.2	11.1	11.6	9.5	7.2	5.9	94.0
1955	2.7	3.8	6.2	7.8	7.3	10.0	9.9	9.7	9.1	8.6	3.9	6.0	85.0
1956	3.3	2.3	6.5	6.3	8.1	11.0	12.8	13.6	13.1	9.3	9.1	2.6	98.0
1957	4.5	2.6	5.8	5.9	6.9	7.3	11.2	11.9	9.5	6.9	3.3	4.2	80.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.15	.19	.48	.54	.55	.54	.91	.65	.79	.49	.19	.23	5.71
1941	.13	.14	.14	.25	.00	.43	.54	.63	.36	-.12	.30	.20	3.00
1942	.15	.23	.42	.13	.58	.71	.75	.23	.28	.26	.42	.08	4.24
1943	.23	.33	.40	.45	.33	.78	.57	1.00	.67	.58	.22	.12	5.68
1944	.03	.12	.38	.56	.57	.77	.44	.62	.27	.32	.18	-.02	4.24
1945	.08	.23	.42	.49	.86	.94	.28	.69	.57	.13	.44	.23	5.36
1946	.06	.30	.38	.57	.63	.75	1.10	1.08	.49	.33	.31	.08	6.08
1947	.32	.26	.13	.42	.06	.71	.91	.92	.80	.58	.23	.13	5.47
1948	.20	.14	.45	.62	.44	.75	.51	1.03	.73	.33	.43	.33	5.96
1949	.12	.15	.32	.15	.24	.49	.77	.73	.43	.36	.40	.19	4.35
1950	.19	.23	.36	.33	-.01	.54	.42	.73	.17	.48	.47	.17	4.08
1951	.35	.27	.30	.47	.44	.56	.66	.69	.73	.54	.32	.33	5.66
1952	.32	.37	.44	.53	.63	.95	.80	1.13	.55	.75	.28	.22	6.97
1953	.36	.25	.28	.47	.65	.91	.85	.69	.82	.42	.27	.32	6.29
1954	.22	.40	.45	.24	.25	.58	1.10	.80	.94	.65	.56	.46	6.65
1955	.14	.28	.48	.64	.28	.78	.48	.70	.57	.56	.32	.50	5.73
1956	.27	.17	.54	.42	.52	.82	1.02	1.11	1.07	.62	.75	.16	7.47
1957	.33	.09	.44	.29	.17	.40	.83	.90	.71	.28	.13	.33	4.90

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE E-7

Lat. 32° to 33° N.

Long. 100° to 101° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.1	3.2	5.8	7.6	8.0	9.3	11.5	10.7	10.3	7.5	3.8	3.2	83.0
1941	2.3	2.8	4.6	7.1	6.2	7.4	9.4	10.3	7.6	5.4	3.7	3.2	70.0
1942	2.0	3.1	5.4	4.7	8.7	9.7	10.4	8.7	6.4	5.2	5.2	3.5	73.0
1943	3.1	3.9	5.5	6.1	7.5	11.2	9.0	12.3	8.9	7.2	4.3	3.0	82.0
1944	1.8	3.5	5.1	7.6	9.6	11.5	10.3	9.1	5.9	5.1	4.8	1.7	76.0
1945	1.9	3.1	5.7	6.3	10.5	12.1	9.2	9.6	9.7	4.2	5.5	3.2	81.0
1946	1.9	3.8	4.9	7.2	8.7	10.1	13.3	14.0	8.2	6.9	3.9	1.1	84.0
1947	4.4	3.0	2.7	5.2	6.5	9.1	11.6	11.3	10.1	7.3	4.2	2.6	78.0
1948	2.6	2.6	5.6	7.7	8.4	10.1	10.6	13.2	9.2	5.9	5.9	4.2	86.0
1949	3.8	2.3	4.2	4.0	5.8	8.7	10.6	11.1	7.7	6.1	4.9	2.8	72.0
1950	3.0	3.0	4.4	5.7	5.9	8.0	8.1	10.4	6.6	6.1	5.7	2.1	69.0
1951	4.2	3.2	4.0	5.9	6.7	7.9	9.8	11.4	9.3	6.8	3.8	4.0	77.0
1952	4.0	4.7	5.5	7.1	8.7	11.5	10.8	13.9	8.9	8.9	4.7	3.3	92.0
1953	4.2	3.4	4.4	6.6	8.0	10.8	10.6	9.4	10.5	8.9	3.4	3.8	84.0
1954	3.0	4.7	5.6	5.4	6.8	9.6	13.0	11.0	11.5	9.4	7.1	5.9	93.0
1955	2.7	3.9	6.3	7.9	7.4	10.1	10.0	9.8	9.2	8.7	4.0	6.0	86.0
1956	3.3	2.2	6.4	6.2	8.1	10.9	12.7	13.5	12.9	9.2	9.0	2.6	97.0
1957	4.4	2.6	5.7	5.8	6.7	7.1	10.8	11.6	9.3	6.7	3.2	4.1	78.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.16	.08	.45	.49	.54	.52	.94	.59	.79	.59	.11	.20	5.46
1941	.08	.09	.21	.23	.09	.18	.40	.55	.42	-.17	.28	.16	2.52
1942	.16	.24	.42	.17	.52	.66	.79	.39	.32	.16	.42	.11	4.36
1943	.24	.32	.29	.46	.27	.73	.72	1.01	.67	.56	-.02	-.48	4.77
1944	.02	.11	.38	.58	.43	.87	.43	.64	.38	.27	.21	-.02	4.30
1945	.08	.20	.33	.39	.77	.79	.24	.61	.64	.00	.42	.23	4.70
1946	.03	.28	.38	.53	.49	.73	1.10	1.08	.53	.38	.23	-.07	5.69
1947	.31	.23	.13	.37	.08	.64	.92	.89	.77	.44	.21	.08	5.07
1948	.21	.04	.43	.60	.38	.67	.55	1.05	.75	.28	.48	.32	5.76
1949	.11	.13	.30	.02	.13	.50	.74	.79	.47	.30	.41	.16	4.06
1950	.18	.22	.37	.29	-.02	.56	.35	.64	.32	.51	.47	.17	4.06
1951	.35	.22	.29	.38	.36	.42	.70	.87	.63	.48	.30	.32	5.32
1952	.31	.36	.40	.46	.52	.95	.75	1.08	.50	.74	.22	.20	6.49
1953	.35	.23	.26	.42	.53	.80	.70	.63	.81	.42	.27	.31	5.73
1954	.19	.39	.46	.15	.20	.73	1.07	.87	.92	.68	.52	.43	6.61
1955	.15	.29	.46	.60	.13	.57	.69	.76	.53	.49	.32	.49	5.48
1956	.25	.13	.52	.38	.47	.84	.97	1.08	1.07	.62	.73	.13	7.19
1957	.33	.07	.43	.03	-.19	.33	.80	.87	.58	.37	.03	.32	3.97

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE E-8

Lat. 32° to 33° N.

Long. 99° to 100° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.6	3.3	5.8	6.0	7.6	8.3	11.0	10.6	11.1	7.9	5.1	3.7	83.0
1941	3.6	3.1	3.9	5.4	5.5	7.7	9.9	11.4	8.6	5.0	5.4	3.5	73.0
1942	3.4	3.7	5.9	4.3	6.5	8.7	10.4	10.4	7.5	5.8	5.7	2.7	75.0
1943	3.3	4.7	4.6	7.2	6.9	8.5	8.9	12.6	9.4	7.6	5.5	2.8	82.0
1944	2.5	2.8	4.1	7.4	6.5	10.1	11.1	13.3	9.9	7.7	4.6	3.0	83.0
1945	3.0	3.0	4.6	5.6	9.3	10.0	8.6	11.3	11.1	6.0	6.4	4.1	83.0
1946	3.2	3.6	5.5	7.1	7.0	9.2	12.7	14.2	7.3	6.4	5.1	3.7	85.0
1947	2.7	3.5	3.8	4.6	6.2	9.6	12.5	10.1	11.3	8.0	4.8	2.9	80.0
1948	2.3	2.2	4.6	7.0	7.1	9.6	10.2	11.8	10.1	8.0	6.2	4.9	84.0
1949	2.0	2.5	4.3	4.2	6.0	8.3	10.6	9.9	9.0	6.5	6.3	3.4	73.0
1950	3.0	3.2	6.2	5.8	5.9	8.1	9.2	12.0	7.4	8.1	7.0	4.1	80.0
1951	3.2	2.2	4.9	5.6	5.0	6.2	11.0	10.8	10.0	8.4	4.2	3.5	75.0
1952	3.1	3.6	4.5	5.0	6.4	10.5	12.1	15.7	11.8	10.0	5.4	2.9	91.0
1953	3.7	3.3	4.3	5.5	6.2	12.8	10.5	10.5	11.0	6.5	3.7	4.0	82.0
1954	1.8	4.1	4.7	5.1	4.9	10.4	12.0	15.4	13.4	8.8	4.9	5.5	91.0
1955	2.6	2.6	4.8	5.5	6.3	6.8	11.4	11.2	9.8	9.6	6.7	3.7	81.0
1956	2.1	2.0	4.4	5.3	7.6	10.1	14.0	15.6	12.3	9.3	7.9	4.4	95.0
1957	3.0	1.8	3.9	3.2	3.5	7.6	13.2	14.7	9.9	6.4	3.6	4.2	75.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.19	.08	.47	.34	.33	.23	.89	.55	.82	.63	.13	.18	4.84
1941	.23	.03	.18	.13	-.10	.30	.61	.51	.54	-.28	.42	.20	2.77
1942	.28	.28	.46	-.08	.25	.48	.82	.63	.24	.02	.45	.05	3.88
1943	.26	.39	.19	.53	.34	.46	.72	1.05	.67	.54	.39	.06	5.60
1944	.06	.02	.27	.53	.18	.75	.71	.90	.74	.32	.22	.08	4.78
1945	.19	.13	.19	.22	.61	.54	.47	.86	.82	.22	.51	.29	5.05
1946	.13	.23	.41	.45	.28	.67	1.04	.93	.27	.47	.28	.13	5.29
1947	.15	.28	.19	.30	.10	.67	.98	.78	.88	.47	.26	.08	5.14
1948	.17	.06	.32	.49	.41	.46	.71	.89	.83	.51	.51	.37	5.73
1949	-.08	.13	.28	.14	.08	.37	.70	.59	.53	.25	.53	.18	3.70
1950	.17	.23	.51	.22	.11	.53	.31	.81	.31	.66	.58	.34	4.78
1951	.27	.13	.35	.38	.10	.27	.74	.84	.77	.55	.32	.28	5.00
1952	.21	.26	.30	.26	.36	.84	.90	1.30	.80	.83	.19	.17	6.42
1953	.30	.21	.25	.30	.25	.87	.39	.54	.84	.16	.26	.32	4.69
1954	.08	.32	.38	.11	.05	.81	.99	1.21	1.08	.57	.21	.36	6.17
1955	.13	.14	.35	.33	.13	.25	.86	.87	.50	.67	.55	.29	5.07
1956	.11	.09	.36	.30	.49	.82	1.12	1.26	1.02	.66	.60	.27	7.10
1957	.22	-.13	.27	-.28	-.61	.45	.99	1.19	.60	.17	.02	.31	3.20

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE E-9

Lat. 32° to 33° N.

Long. 98° to 99° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.6	3.3	5.7	5.9	7.5	8.1	10.9	10.5	11.0	7.8	5.0	3.7	82.0
1941	3.5	3.0	3.9	5.3	5.4	7.7	9.9	11.2	8.5	4.9	5.3	3.4	72.0
1942	3.4	3.6	5.8	4.2	6.4	8.3	10.1	10.2	7.3	5.6	5.5	2.6	73.0
1943	3.2	4.6	4.5	7.1	6.8	8.4	8.8	12.5	9.4	7.6	5.4	2.7	81.0
1944	2.5	2.8	4.1	7.4	6.5	9.9	10.9	13.1	9.8	7.6	4.5	2.9	82.0
1945	2.9	2.9	4.5	5.5	9.2	9.9	8.5	11.2	11.0	5.9	6.3	4.1	82.0
1946	3.2	3.5	5.5	7.0	6.9	9.1	12.6	14.0	7.2	6.3	5.0	3.7	84.0
1947	2.8	3.6	4.0	4.7	6.4	10.0	13.0	10.5	11.7	8.3	5.0	3.0	83.0
1948	2.2	2.1	4.5	6.9	6.9	9.4	9.9	11.5	9.8	7.9	6.1	4.8	82.0
1949	2.0	2.4	4.1	4.1	5.7	8.0	10.2	9.5	8.7	6.1	6.0	3.2	70.0
1950	3.1	3.3	6.6	6.0	6.2	8.5	9.7	12.6	7.7	8.6	7.4	4.3	84.0
1951	3.1	2.2	4.8	5.4	4.9	6.1	10.7	10.5	9.6	8.2	4.1	3.4	73.0
1952	3.1	3.6	4.5	4.9	6.3	10.4	12.0	15.5	11.6	9.9	5.3	2.9	90.0
1953	3.6	3.2	4.1	5.3	5.9	12.4	10.1	10.1	10.6	6.2	3.6	3.9	79.0
1954	1.8	4.0	4.6	4.9	4.8	10.0	11.5	14.9	12.8	8.5	4.8	5.4	88.0
1955	2.5	2.5	4.7	5.4	6.1	6.6	11.1	10.9	9.6	9.4	6.6	3.6	79.0
1956	2.0	2.0	4.3	5.2	7.4	9.9	13.7	15.3	12.1	9.1	7.7	4.3	93.0
1957	2.9	1.7	3.7	3.1	3.3	7.3	12.7	14.1	9.5	6.2	3.5	4.0	72.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.17	.10	.46	.22	.33	.13	.85	.63	.77	.31	-.08	.08	3.97
1941	.22	-.13	.20	.12	.05	.35	.63	.47	.58	.00	.41	.18	3.08
1942	.26	.27	.42	-.34	.22	.39	.81	.57	.08	-.14	.42	.07	3.03
1943	.24	.36	.16	.51	.35	.52	.71	1.04	.57	.52	.41	.01	5.40
1944	.01	-.01	.24	.44	.17	.79	.73	.83	.62	.43	.13	.05	4.43
1945	.14	-.02	.10	.18	.62	.58	.48	.87	.71	.31	.47	.29	4.73
1946	.05	.15	.32	.45	.23	.61	.97	.91	.28	.42	.14	.17	4.70
1947	.11	.27	.11	.25	.25	.68	1.04	.79	.90	.51	.30	.06	5.27
1948	.10	.02	.33	.45	.37	.49	.67	.90	.77	.57	.47	.34	5.48
1949	-.15	.04	.17	.03	-.04	.36	.78	.52	.52	.12	.50	.12	2.97
1950	.11	.13	.52	.16	.11	.51	.34	.92	.34	.69	.62	.36	4.81
1951	.25	.04	.31	.34	.07	.18	.74	.82	.69	.50	.28	.27	4.49
1952	.22	.26	.27	.14	.15	.85	.92	1.25	.77	.82	.12	.12	5.89
1953	.29	.19	.20	.28	.17	.92	.63	.67	.80	.07	.19	.27	4.68
1954	.03	.29	.34	.10	.13	.79	.85	1.15	1.02	.51	.21	.35	5.77
1955	.10	.11	.34	.28	.02	.26	.82	.84	.52	.74	.53	.24	4.80
1956	.03	-.02	.34	.25	.19	.78	1.12	1.24	.97	.59	.51	.16	6.16
1957	.18	-.08	.20	-.39	-.63	.47	.99	1.13	.47	.08	-.06	.25	2.61

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE E-10

Lat. 32° to 33° N.

Long. 97° to 98° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.8	2.7	5.5	5.2	6.3	7.5	8.7	10.2	9.4	7.2	3.9	2.6	71.0
1941	2.7	2.3	3.5	3.5	5.5	6.5	8.5	8.5	8.0	5.1	4.6	2.3	61.0
1942	2.8	3.3	5.6	4.3	5.4	7.4	9.2	9.0	6.8	5.3	5.0	2.9	67.0
1943	2.7	3.7	3.9	5.6	5.8	7.0	10.1	11.3	8.2	6.8	4.5	2.4	72.0
1944	2.3	2.5	3.4	5.9	4.5	8.6	10.3	11.2	9.0	7.2	4.2	3.9	73.0
1945	2.8	2.6	3.4	3.9	7.2	7.7	7.6	8.7	12.0	5.2	5.0	2.9	69.0
1946	2.6	3.1	3.6	5.7	4.5	7.5	10.8	10.8	7.8	7.0	3.8	3.8	71.0
1947	2.7	3.9	3.8	4.2	5.6	8.1	10.6	11.6	10.3	7.8	4.8	2.6	76.0
1948	2.0	1.6	4.0	6.0	5.5	8.2	9.0	10.8	9.4	7.6	6.7	4.2	75.0
1949	2.2	2.5	4.1	3.8	5.0	7.3	8.3	8.3	8.0	6.5	5.1	2.9	64.0
1950	2.5	3.1	5.5	5.3	5.1	6.8	7.7	9.8	7.0	7.3	6.6	4.3	71.0
1951	3.1	2.1	4.6	5.3	4.8	5.9	10.3	10.2	9.4	8.0	4.0	3.3	71.0
1952	2.7	3.2	4.0	4.4	5.6	9.2	10.6	13.8	10.4	8.8	4.7	2.6	80.0
1953	3.2	2.8	3.6	4.7	5.3	11.0	9.0	9.0	9.4	5.5	3.1	3.4	70.0
1954	1.7	3.7	4.3	4.6	4.5	9.5	10.9	14.0	12.1	8.1	4.5	5.1	83.0
1955	2.3	2.3	4.3	5.0	5.6	6.1	10.3	10.1	8.8	8.7	6.1	3.4	73.0
1956	2.0	1.9	4.2	5.1	7.3	9.6	13.4	14.9	11.9	8.9	7.6	4.2	91.0
1957	2.6	1.6	3.4	2.8	3.0	6.6	11.4	12.7	8.6	5.6	3.1	3.6	65.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.08	.04	.43	.04	.20	.18	.54	.68	.72	.51	-.32	-.15	2.95
1941	.13	-.17	.11	-.13	.17	.08	.49	.29	.58	.02	.30	.07	1.94
1942	.18	.23	.37	-.54	.13	.25	.68	.47	.23	-.02	.37	.11	2.46
1943	.21	.29	.13	.32	.02	.44	.81	.94	.33	.48	.34	-.08	4.23
1944	-.06	-.13	.14	.17	-.23	.66	.72	.68	.60	.41	.10	.04	3.10
1945	.06	-.23	-.17	-.04	.22	.31	.31	.64	.83	.22	.27	.20	2.62
1946	-.06	.04	.07	.26	-.13	.52	.86	.61	.32	.47	-.05	.11	3.02
1947	.07	.27	.11	.09	.22	.43	.84	.67	.70	.57	.24	-.08	4.13
1948	.07	-.21	.25	.37	.11	.37	.55	.87	.67	.53	.50	.27	4.35
1949	-.22	-.07	.12	.04	-.17	.27	.67	.57	.55	.05	.41	.12	2.34
1950	-.04	-.03	.39	.09	.15	.26	.32	.67	.30	.57	.53	.35	3.56
1951	.19	-.01	.28	.28	.08	.06	.74	.80	.58	.52	.27	.27	4.06
1952	.18	.15	.17	-.14	.10	.75	.82	1.09	.76	.73	-.17	-.08	4.36
1953	.23	.14	.08	.11	.13	.86	.56	.52	.63	.10	.15	.18	3.69
1954	.02	.25	.29	.14	.13	.71	.80	1.14	.93	.46	.22	.36	5.45
1955	.08	.02	.25	.22	-.08	.13	.73	.69	.47	.65	.47	.22	3.85
1956	.02	-.03	.34	.23	.29	.75	1.08	1.12	.98	.58	.44	.17	5.97
1957	.12	-.06	.03	-.63	-.52	.36	.87	1.04	.44	.03	-.13	.18	1.73

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE E-11

Lat. 32° to 33° N.

Long. 96° to 97° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.8	2.4	4.0	4.7	5.4	6.0	7.2	8.3	7.0	5.5	3.5	3.2	59.0
1941	2.3	2.3	3.3	3.8	4.7	5.4	7.0	7.2	6.2	4.7	3.3	2.8	53.0
1942	2.8	2.7	3.9	3.8	4.9	6.2	7.5	7.7	6.3	5.0	4.0	2.2	57.0
1943	2.5	3.5	3.5	5.0	5.6	6.7	8.0	9.4	6.8	5.1	3.7	2.2	62.0
1944	2.1	2.9	3.4	5.0	4.3	7.2	8.3	8.8	6.8	6.0	3.6	2.6	61.0
1945	2.1	2.6	2.9	3.6	5.4	6.0	6.0	6.7	7.8	5.0	4.1	2.8	55.0
1946	2.2	3.2	4.0	4.4	5.6	6.0	7.8	8.3	5.9	5.3	4.4	2.9	60.0
1947	2.0	3.2	3.8	3.5	5.2	7.0	8.9	9.2	8.2	6.3	4.6	3.1	65.0
1948	1.6	1.3	3.2	5.7	5.2	7.4	9.1	10.0	8.3	5.8	4.3	3.1	65.0
1949	1.7	1.9	3.0	3.5	5.4	6.2	7.7	7.6	7.9	4.4	4.1	2.6	56.0
1950	1.9	2.4	4.3	4.0	5.2	6.4	7.2	8.0	5.3	5.2	4.9	3.2	58.0
1951	3.1	2.1	4.5	5.1	6.0	6.7	8.8	11.0	4.6	5.9	4.0	3.2	65.0
1952	2.8	3.6	3.5	4.0	5.3	6.3	8.2	11.5	10.0	8.4	4.5	2.9	71.0
1953	2.7	2.5	3.5	3.9	4.5	8.3	5.9	7.4	6.7	6.4	3.7	3.5	59.0
1954	1.8	3.7	3.8	3.5	4.7	7.0	11.4	12.8	10.8	7.3	4.4	3.8	75.0
1955	2.5	1.8	3.6	4.1	5.6	7.1	8.3	6.7	6.2	7.5	5.3	3.3	62.0
1956	3.1	2.5	4.6	4.4	6.0	7.1	11.6	11.6	9.3	6.5	6.8	3.5	77.0
1957	2.6	2.0	3.1	2.9	4.2	5.1	7.4	7.2	6.4	5.7	3.3	3.1	53.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.08	.02	.24	.01	.12	.12	.36	.55	.52	.32	-.32	-.02	2.00
1941	.10	-.08	.05	.08	.18	-.17	.39	.45	.42	.17	.17	.05	1.81
1942	.10	.16	.22	-.42	.13	.23	.54	.41	.22	.12	.17	-.02	1.86
1943	.16	.25	.05	.28	-.04	.28	.61	.78	.30	.17	.30	-.02	3.12
1944	-.06	-.07	.10	.16	-.22	.53	.55	.58	.49	.39	-.01	-.10	2.34
1945	.03	-.13	-.38	.08	.32	.16	.13	.32	.50	.16	.20	.14	1.53
1946	-.08	.01	.13	.13	-.09	.37	.58	.36	.38	.33	-.19	.08	2.02
1947	-.04	.18	.12	.01	.27	.25	.74	.45	.47	.39	.17	-.07	2.94
1948	-.03	-.05	.05	.30	-.02	.45	.65	.77	.65	.39	.23	.13	3.52
1949	-.27	-.09	.08	.04	.13	.31	.48	.51	.58	-.13	.32	.10	2.06
1950	-.11	-.26	.28	-.07	.02	.32	.28	.52	.22	.36	.35	.24	2.15
1951	.11	-.05	.27	.25	.23	.13	.67	.83	.09	.26	.27	.21	3.27
1952	.17	.08	.11	-.12	-.03	.49	.57	.94	.81	.68	-.16	-.10	3.44
1953	.16	.09	.02	.00	-.02	.64	.36	.46	.42	.28	.12	.01	2.54
1954	-.05	.24	.26	.09	.08	.52	.91	1.00	.72	.17	.17	.25	4.36
1955	.07	-.08	.14	.13	.13	.34	.60	.21	.25	.55	.42	.19	2.95
1956	.05	-.05	.36	.22	.20	.46	.93	.88	.73	.42	.21	.16	4.57
1957	.08	.02	-.02	-.67	-.20	.23	.58	.46	.27	.07	-.13	.14	0.83

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE E-12

Lat. 32° to 33° N.

Long. 95° to 96° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.6	2.0	3.4	4.0	4.6	5.1	6.1	7.0	5.9	4.7	2.9	2.7	50.0
1941	2.0	2.2	2.9	3.3	4.1	4.8	6.2	6.4	5.7	4.1	2.9	2.4	47.0
1942	2.3	2.2	3.2	3.1	4.1	5.1	6.2	6.4	5.2	4.2	3.3	1.7	47.0
1943	2.0	3.0	2.8	4.0	4.6	5.4	6.4	7.5	5.5	4.1	3.0	1.7	50.0
1944	1.7	2.3	2.6	3.9	3.4	5.6	6.5	6.9	5.4	4.8	2.8	2.1	48.0
1945	1.8	2.2	2.4	3.0	4.6	5.0	5.0	5.5	6.5	4.3	3.4	2.3	46.0
1946	1.8	2.6	3.3	3.6	4.6	4.9	6.4	6.7	4.8	4.3	3.6	2.4	49.0
1947	1.5	2.6	3.0	2.7	4.0	5.4	6.8	7.0	6.2	4.9	3.5	2.4	50.0
1948	1.3	1.1	2.8	4.8	4.4	6.2	7.7	8.4	7.1	5.0	3.6	2.6	55.0
1949	1.4	1.5	2.4	2.8	4.5	4.9	6.2	6.1	6.3	3.5	3.3	2.1	45.0
1950	1.6	2.0	3.6	3.3	4.4	5.3	5.9	6.6	4.4	4.3	4.0	2.6	48.0
1951	2.4	1.6	3.5	4.0	4.8	5.2	6.9	8.8	3.6	4.6	3.1	2.5	51.0
1952	2.3	3.0	2.8	3.2	4.3	5.1	6.6	9.5	8.3	6.8	3.7	2.4	58.0
1953	2.2	2.1	2.9	3.2	3.7	6.7	4.7	6.0	5.5	5.2	3.0	2.8	48.0
1954	1.5	3.0	3.2	2.9	3.8	5.9	9.5	10.5	9.0	6.0	3.6	3.1	62.0
1955	2.0	1.4	2.9	3.3	4.6	5.7	6.8	5.4	4.9	6.0	4.3	2.7	50.0
1956	2.4	2.0	3.6	3.4	4.7	5.5	9.0	9.0	7.3	5.0	5.3	2.8	60.0
1957	2.3	1.7	2.7	2.5	3.5	4.3	6.3	6.1	5.3	4.8	2.8	2.7	45.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.06	-.03	.14	.07	.10	.07	.36	.31	.41	.22	-.40	-.15	1.16
1941	.02	-.06	.01	-.05	.17	-.15	.29	.37	.22	.01	.08	-.04	0.87
1942	.08	.10	.13	-.33	.16	.09	.45	.23	.19	.20	.12	-.12	1.30
1943	.08	.21	.02	.19	-.17	.20	.45	.60	.22	.00	.17	-.08	1.89
1944	-.12	-.18	-.08	.04	-.38	.34	.47	.29	.35	.36	-.15	-.27	0.67
1945	-.03	.11	-.62	.05	.23	.04	.06	.31	.34	-.02	.16	.06	0.47
1946	-.26	-.05	-.05	.05	-.33	.23	.50	.08	.29	.23	-.38	.05	0.36
1947	-.08	.09	-.08	.08	.07	.24	.53	.38	.29	.29	-.01	-.16	1.48
1948	-.12	-.11	.02	.12	-.05	.43	.56	.60	.57	.29	.07	-.02	2.36
1949	-.41	-.13	.00	-.14	.16	.30	.22	.30	.30	-.42	.26	-.09	0.35
1950	-.18	-.29	.15	-.12	-.17	.28	.20	.42	.01	.26	.24	.20	1.00
1951	.01	-.13	.11	.17	.22	.13	.38	.69	-.08	.22	.11	-.08	1.75
1952	.05	-.08	-.01	-.18	.01	.36	.41	.77	.65	.55	-.18	-.20	2.15
1953	.07	.01	-.11	-.10	-.15	.43	.08	.31	.30	.27	.02	-.14	0.99
1954	-.11	.14	.16	.03	-.14	.46	.76	.82	.63	-.16	.07	.07	2.73
1955	-.01	-.15	-.05	.00	.01	.32	.32	-.05	.10	.42	.32	.12	1.35
1956	.00	-.13	.22	.14	.07	.35	.71	.60	.59	.32	.11	.13	3.11
1957	.02	-.07	-.09	-.70	-.15	.04	.47	.30	.16	-.18	-.21	.10	-0.31

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE E-13

Lat. 32° to 33° N.

Long. 94° to 95° W

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.3	1.7	2.9	3.4	3.9	4.4	5.2	6.1	5.1	4.1	2.5	2.4	43.0
1941	1.8	1.9	2.5	2.9	3.6	4.2	5.4	5.5	5.0	3.6	2.5	2.1	41.0
1942	2.1	2.0	3.0	2.9	3.7	4.7	5.7	5.7	4.7	3.9	3.0	1.6	43.0
1943	1.8	2.7	2.6	3.7	4.2	5.0	5.9	6.9	5.0	3.8	2.7	1.7	46.0
1944	1.5	2.0	2.3	3.4	3.0	4.9	5.7	6.0	4.7	4.2	2.5	1.8	42.0
1945	1.7	2.1	2.2	2.8	4.3	4.6	4.6	5.2	6.1	4.0	3.2	2.2	43.0
1946	1.5	2.3	2.8	3.1	3.9	4.2	5.5	5.7	4.2	3.7	3.1	2.0	42.0
1947	1.4	2.4	2.7	2.5	3.7	4.9	6.3	6.4	5.8	4.5	3.2	2.2	46.0
1948	1.1	0.9	2.3	4.1	3.8	5.3	6.6	7.3	6.1	4.2	3.1	2.2	47.0
1949	1.2	1.4	2.2	2.5	3.8	4.4	5.5	5.4	5.6	3.1	3.0	1.9	40.0
1950	1.3	1.6	2.9	2.6	3.4	4.2	4.7	5.1	3.5	3.4	3.2	2.1	38.0
1951	2.2	1.4	3.1	3.5	4.2	4.6	6.2	7.6	3.2	4.1	2.7	2.2	45.0
1952	1.9	2.4	2.4	2.7	3.6	4.2	5.5	7.7	6.8	5.7	3.1	2.0	48.0
1953	2.0	1.9	2.7	3.0	3.5	6.2	4.5	5.7	5.1	4.9	2.8	2.7	45.0
1954	1.4	2.8	2.9	2.7	3.5	5.4	8.7	9.6	8.3	5.5	3.3	2.9	57.0
1955	1.9	1.4	2.7	3.1	4.3	5.4	6.3	5.1	4.6	5.7	4.0	2.5	47.0
1956	2.0	1.6	2.9	2.8	3.8	4.5	7.3	7.4	5.9	4.2	4.3	2.3	49.0
1957	1.9	1.4	2.2	2.1	3.0	3.7	5.3	5.1	4.6	4.1	2.4	2.2	38.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.02	-.08	.05	-.03	.06	-.01	.27	.17	.37	.18	-.48	-.31	0.21
1941	-.06	-.08	-.07	-.09	-.04	-.08	.19	.31	.11	-.08	-.05	-.09	-0.03
1942	.06	.11	.04	-.20	.05	.03	.33	-.08	.17	.08	.15	-.11	0.63
1943	-.02	.21	.04	.17	.03	.31	.39	.52	.24	.09	.14	-.15	1.97
1944	-.29	-.37	-.18	-.17	-.59	.24	.46	.17	.29	.32	-.17	-.52	-0.81
1945	-.13	-.13	-.51	-.02	.19	-.02	.08	.37	.37	-.13	.10	-.02	0.15
1946	-.38	-.08	-.04	-.02	-.35	.08	.42	.19	.27	.18	-.39	.01	-0.11
1947	-.14	.02	-.20	-.07	-.10	.30	.47	.41	.25	.26	-.04	-.17	0.99
1948	-.25	-.22	-.06	.11	-.13	.32	.42	.53	.45	.22	-.19	.02	1.22
1949	-.37	-.10	-.04	-.19	.15	.18	-.16	.21	.20	-.32	.23	-.03	-0.24
1950	-.33	-.22	.07	-.08	-.20	.15	.10	.18	-.22	.17	.12	.13	-0.13
1951	-.15	-.12	.00	.16	.17	.11	.33	.59	-.22	.27	.03	-.08	1.09
1952	-.11	-.16	-.08	-.17	-.06	.32	.25	.60	.56	.47	-.13	-.14	1.35
1953	-.03	-.06	-.16	-.16	-.32	.40	-.05	.33	.28	.32	.00	-.21	0.34
1954	-.17	.10	.12	.02	-.34	.42	.64	.69	.60	-.09	-.03	-.01	1.95
1955	-.05	-.26	-.04	-.07	-.08	.31	.25	-.06	.11	.39	.28	.08	0.86
1956	-.02	-.29	.08	.09	-.08	.28	.52	.48	.42	.22	.11	.07	1.88
1957	-.02	-.16	-.16	-.72	-.02	-.14	.31	.30	.17	-.42	-.28	.05	-1.09

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE F-1

Lat. 31° to 32° N.

Long. 106° to 107° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.4	4.4	7.3	8.2	8.6	8.6	10.2	8.9	8.0	5.5	2.8	3.1	78.0
1941	2.2	2.4	4.4	6.4	8.3	9.1	8.9	7.5	6.3	5.0	2.9	2.6	66.0
1942	2.7	3.1	5.2	6.9	9.4	10.8	9.7	7.9	7.0	5.2	4.6	2.5	75.0
1943	2.3	4.0	5.6	7.1	9.7	9.7	8.9	10.3	6.9	6.1	3.6	1.8	76.0
1944	2.0	2.2	5.4	7.9	8.7	9.8	9.6	8.3	6.1	6.0	3.1	1.9	71.0
1945	2.5	3.5	5.8	7.5	9.8	10.9	10.4	9.0	8.4	4.8	4.0	3.4	80.0
1946	2.1	3.4	5.9	6.2	9.2	10.4	10.1	9.3	7.4	5.6	3.6	2.8	76.0
1947	3.6	3.2	5.4	6.6	9.0	9.2	10.1	8.8	8.2	6.5	4.0	4.4	79.0
1948	2.5	3.0	5.2	7.9	9.2	10.5	10.3	10.3	8.4	6.1	4.5	4.1	82.0
1949	4.7	5.1	5.9	6.0	8.9	10.7	9.9	8.5	7.8	6.2	4.1	2.2	80.0
1950	3.7	3.3	7.0	8.0	9.2	11.4	8.6	10.0	7.0	6.4	4.5	3.9	83.0
1951	4.0	3.8	5.9	7.1	9.0	10.7	10.7	8.9	8.5	5.4	4.4	3.6	82.0
1952	3.9	4.2	6.0	7.1	9.0	9.4	9.1	8.9	10.3	7.6	5.3	3.2	84.0
1953	3.4	3.6	5.5	7.8	8.9	9.7	10.1	8.9	8.6	6.6	4.2	2.7	80.0
1954	2.9	4.7	7.0	6.3	7.2	10.6	11.8	9.8	7.7	7.3	5.0	3.7	84.0
1955	3.4	4.3	6.0	8.1	8.5	7.5	9.0	10.6	8.9	7.2	6.1	4.4	84.0
1956	3.8	3.5	5.7	5.0	8.1	9.1	8.3	8.2	8.5	7.3	5.0	2.5	75.0
1957	2.6	3.0	5.0	6.4	7.1	8.3	10.1	9.4	9.1	6.1	3.6	3.3	74.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.18	.35	.61	.68	.68	.63	.74	.68	.65	.39	.17	.24	6.00
1941	.15	.15	.22	.46	.61	.71	.64	.43	.31	.32	.21	.17	4.38
1942	.22	.23	.43	.48	.78	.87	.73	.32	.51	.30	.38	.10	5.35
1943	.17	.33	.46	.59	.80	.72	.68	.81	.45	.51	.24	.09	5.85
1944	.14	.08	.44	.66	.69	.70	.68	.56	.44	.42	.22	.12	5.15
1945	.19	.28	.41	.61	.82	.91	.83	.69	.69	.08	.33	.28	6.12
1946	.12	.28	.48	.49	.69	.86	.76	.72	.48	.44	.29	.15	5.76
1947	.24	.27	.43	.54	.67	.72	.78	.59	.67	.49	.30	.32	6.02
1948	.20	.21	.43	.65	.77	.80	.75	.76	.67	.47	.38	.28	6.37
1949	.27	.41	.48	.48	.71	.84	.73	.66	.48	.42	.34	.12	5.94
1950	.27	.26	.58	.67	.75	.92	.48	.81	.50	.50	.37	.32	6.43
1951	.32	.28	.45	.57	.74	.89	.82	.64	.69	.42	.36	.27	6.45
1952	.32	.29	.44	.50	.69	.66	.64	.64	.85	.63	.43	.26	6.35
1953	.28	.27	.45	.61	.73	.79	.68	.72	.69	.50	.35	.20	6.27
1954	.23	.39	.57	.51	.52	.85	.94	.57	.59	.55	.42	.31	6.45
1955	.25	.36	.49	.67	.70	.62	.52	.80	.69	.52	.50	.37	6.49
1956	.28	.26	.48	.41	.67	.70	.62	.58	.69	.61	.42	.18	5.90
1957	.20	.22	.40	.52	.54	.69	.74	.58	.73	.35	.27	.28	5.52

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE F - 2

Lat. 31° to 32° N.

Long. 105° to 106° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.5	4.5	7.4	8.3	8.7	8.7	10.3	9.0	8.1	5.5	2.8	3.2	79.0
1941	2.1	2.4	4.4	6.5	8.5	9.4	9.1	7.6	6.4	5.0	3.0	2.6	67.0
1942	2.9	3.3	5.7	7.4	10.2	11.6	10.4	8.5	7.5	5.7	5.0	2.8	81.0
1943	2.4	4.2	6.0	7.6	10.4	10.4	9.4	10.9	7.4	6.5	3.9	1.9	81.0
1944	2.1	2.3	5.7	8.3	9.2	10.4	10.1	8.8	6.4	6.5	3.2	2.0	75.0
1945	2.5	3.6	5.9	7.7	10.1	11.2	10.6	9.3	8.6	4.9	4.1	3.5	82.0
1946	2.2	3.6	6.2	6.6	9.7	10.9	10.5	9.8	7.8	5.9	3.8	3.0	80.0
1947	3.7	3.3	5.6	7.0	9.5	9.7	10.6	9.2	8.7	6.8	4.2	4.7	83.0
1948	2.7	3.3	5.8	8.7	10.1	11.5	11.3	11.3	9.2	6.7	4.9	4.5	90.0
1949	4.8	5.2	6.0	6.1	9.0	10.9	10.0	8.6	7.7	6.3	4.1	2.3	81.0
1950	3.8	3.3	7.2	8.3	9.6	11.8	9.0	10.3	7.3	6.6	4.7	4.1	86.0
1951	4.2	3.9	6.1	7.4	9.3	11.0	11.0	9.3	8.8	5.7	4.6	3.7	85.0
1952	4.0	4.4	6.3	7.4	9.3	9.7	9.4	9.2	10.7	7.8	5.5	3.3	87.0
1953	4.0	4.1	6.4	9.0	10.2	11.1	11.6	10.2	9.8	7.6	4.9	3.1	92.0
1954	3.0	4.9	7.2	6.5	7.5	11.0	12.2	10.1	8.0	7.6	5.2	3.8	87.0
1955	3.4	4.3	6.0	8.2	8.6	7.6	9.1	10.8	9.1	7.3	6.2	4.4	85.0
1956	4.4	4.1	6.6	5.8	9.4	10.5	9.7	9.5	9.9	8.4	5.7	3.0	87.0
1957	2.7	3.1	5.2	6.7	7.5	8.7	10.8	9.9	9.6	6.5	3.8	3.5	78.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.19	.37	.61	.68	.68	.67	.81	.72	.67	.38	.16	.25	6.19
1941	.11	.12	.27	.44	.60	.63	.54	.41	.15	.27	.23	.17	3.94
1942	.24	.27	.48	.53	.83	.93	.78	.46	.58	.41	.41	.15	6.07
1943	.17	.35	.49	.63	.83	.81	.66	.87	.51	.53	.29	.08	6.22
1944	.14	.12	.48	.69	.71	.73	.71	.60	.34	.51	.21	.09	5.33
1945	.19	.30	.42	.62	.84	.93	.76	.73	.70	.11	.34	.29	6.23
1946	.08	.30	.51	.53	.76	.85	.75	.75	.47	.43	.31	.20	5.94
1947	.26	.28	.44	.58	.71	.78	.85	.63	.68	.54	.31	.37	6.43
1948	.22	.26	.49	.71	.82	.86	.88	.88	.72	.49	.41	.32	7.06
1949	.24	.42	.50	.48	.67	.87	.72	.64	.44	.44	.34	.14	5.90
1950	.29	.27	.60	.67	.80	.87	.56	.85	.48	.53	.39	.34	6.65
1951	.34	.32	.47	.59	.75	.91	.86	.59	.69	.47	.38	.30	6.67
1952	.32	.35	.50	.55	.71	.73	.66	.72	.87	.65	.43	.27	6.76
1953	.33	.32	.53	.73	.83	.91	.77	.80	.79	.54	.40	.25	7.20
1954	.24	.41	.58	.50	.55	.89	.99	.59	.66	.55	.43	.32	6.71
1955	.28	.36	.50	.68	.72	.62	.52	.79	.67	.47	.51	.37	6.49
1956	.33	.31	.55	.48	.78	.82	.72	.65	.80	.69	.48	.23	6.84
1957	.22	.19	.42	.55	.53	.72	.80	.66	.78	.38	.29	.28	5.82

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE F - 3

Lat. 31° to 32° N.

Long. 104° to 105° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.8	3.5	6.2	7.4	8.6	8.9	11.4	9.2	10.1	6.7	3.2	3.0	80.0
1941	2.3	3.0	4.1	6.2	6.0	7.6	9.1	11.1	7.2	5.2	3.3	2.9	68.0
1942	2.4	3.6	5.5	6.5	9.2	10.9	11.9	9.2	8.4	6.0	5.6	3.8	83.0
1943	3.4	4.0	6.2	6.7	9.7	11.0	9.4	13.4	9.4	6.6	4.2	2.0	86.0
1944	2.0	2.5	6.0	8.4	10.2	11.4	11.2	10.0	6.9	5.1	3.5	1.8	79.0
1945	2.2	3.9	6.1	7.4	10.3	11.9	9.0	11.4	9.5	3.9	5.0	3.4	84.0
1946	2.2	3.6	6.1	7.5	9.5	10.7	11.7	12.2	8.0	5.8	4.8	2.9	85.0
1947	3.3	3.0	4.7	7.0	8.5	11.7	12.8	10.5	11.0	7.7	4.2	2.6	87.0
1948	2.4	3.0	6.1	8.8	9.7	12.1	11.5	13.0	9.8	5.9	6.1	4.6	93.0
1949	1.8	3.6	6.4	5.3	8.4	11.3	10.9	9.1	7.9	6.3	5.7	4.3	81.0
1950	3.7	3.3	7.2	7.4	8.8	11.1	9.7	11.7	7.5	8.0	6.3	5.3	90.0
1951	4.7	3.3	4.9	6.9	7.3	9.5	12.7	12.5	8.9	7.7	4.8	4.8	88.0
1952	4.4	4.8	6.8	7.1	10.3	8.9	10.6	13.1	9.6	7.1	3.9	3.4	90.0
1953	5.4	3.3	6.3	8.7	11.3	13.3	12.5	11.2	9.3	5.7	3.9	3.1	94.0
1954	3.6	4.8	7.4	7.1	8.2	10.9	12.2	10.7	10.0	6.5	4.6	4.0	90.0
1955	2.1	3.5	6.2	8.9	9.5	10.5	10.2	10.9	8.6	6.6	5.7	4.3	87.0
1956	3.4	3.7	7.3	7.9	10.4	12.1	13.4	12.7	10.3	8.5	5.7	4.6	100.0
1957	3.6	3.0	5.8	7.3	9.0	11.0	12.2	11.0	8.7	5.1	2.7	3.6	83.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.13	.27	.52	.60	.58	.54	.92	.59	.84	.37	.20	.24	5.80
1941	.13	.18	.21	.36	-.12	.44	.52	.73	-.08	.25	.25	.21	3.08
1942	.19	.29	.46	.48	.73	.82	.88	.54	.56	.41	.46	.17	5.99
1943	.27	.33	.51	.55	.75	.76	.48	1.11	.72	.53	.33	.07	6.41
1944	.12	.15	.50	.70	.83	.78	.84	.57	.21	.42	.17	.09	5.38
1945	.15	.32	.48	.59	.78	.93	.52	.80	.69	.10	.41	.26	6.03
1946	.06	.30	.50	.60	.76	.81	.84	.84	.38	.33	.38	.19	5.99
1947	.22	.25	.35	.57	.59	.93	1.03	.79	.87	.63	.31	.19	6.73
1948	.18	.20	.48	.62	.65	.88	.86	.99	.81	.44	.47	.32	6.90
1949	-.07	.27	.42	.28	.58	.83	.77	.66	.41	.35	.48	.30	5.28
1950	.30	.26	.60	.58	.70	.84	.53	.91	.41	.57	.52	.44	6.66
1951	.38	.26	.33	.56	.57	.78	.99	.98	.71	.63	.40	.39	6.98
1952	.36	.38	.55	.53	.82	.68	.69	1.07	.76	.59	.28	.27	6.98
1953	.45	.27	.52	.70	.90	1.03	.91	.86	.77	.32	.32	.22	7.27
1954	.29	.40	.60	.36	.58	.87	.98	.64	.82	.38	.38	.32	6.62
1955	.11	.29	.51	.74	.75	.84	.65	.87	.58	.36	.46	.35	6.51
1956	.27	.27	.61	.64	.82	.96	1.04	.93	.84	.69	.48	.36	7.91
1957	.29	.17	.45	.58	.68	.90	.92	.80	.69	.17	.18	.29	6.12

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE F - 4

Lat. 31° to 32° N.

Long. 103° to 104° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.8	3.6	6.2	7.4	8.7	9.1	11.6	9.3	10.3	6.8	3.2	3.0	81.0
1941	2.3	3.0	4.1	6.2	6.0	7.6	9.1	11.1	7.2	5.2	3.3	2.9	68.0
1942	2.4	3.6	5.5	6.6	9.3	11.2	12.0	9.3	8.5	6.0	5.7	3.9	84.0
1943	3.4	4.1	6.3	6.8	9.8	11.1	9.5	13.5	9.5	6.7	4.3	2.0	87.0
1944	2.1	2.7	6.3	8.9	10.7	12.0	11.8	10.5	7.2	5.3	3.6	1.9	83.0
1945	2.2	4.0	6.2	7.6	10.5	12.2	9.2	11.7	9.7	4.0	5.2	3.5	86.0
1946	2.2	3.6	6.2	7.6	9.6	10.8	11.9	12.3	8.1	5.9	4.9	2.9	86.0
1947	3.3	2.9	4.7	6.9	8.4	11.6	12.6	10.4	10.8	7.7	4.1	2.6	86.0
1948	2.4	3.0	6.1	8.7	9.7	12.1	11.5	13.0	9.8	6.0	6.1	4.6	93.0
1949	1.7	3.4	6.2	5.1	8.0	10.9	10.5	8.7	7.7	6.1	5.6	4.1	78.0
1950	3.6	3.2	7.0	7.1	8.6	10.6	9.4	11.3	7.3	7.7	6.1	5.1	87.0
1951	4.9	3.4	5.2	7.3	7.6	9.9	13.2	13.0	9.4	8.0	5.0	5.1	92.0
1952	4.3	4.6	6.6	6.9	9.9	8.6	10.3	12.7	9.2	6.9	3.7	3.3	87.0
1953	5.3	3.2	6.1	8.4	10.9	12.9	12.1	10.8	9.0	5.5	3.8	3.0	91.0
1954	3.7	4.9	7.5	7.3	8.4	11.1	12.5	11.0	10.2	6.6	4.7	4.1	92.0
1955	2.1	3.4	6.1	8.8	9.4	10.4	10.1	10.7	8.5	6.5	5.7	4.3	86.0
1956	3.4	3.7	7.2	7.8	10.3	12.0	13.2	12.6	10.2	8.4	5.6	4.6	99.0
1957	3.8	3.1	6.1	7.7	9.4	11.5	12.8	11.6	9.1	5.3	2.8	3.8	87.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.11	.27	.50	.58	.57	.49	.92	.59	.85	.17	.20	.22	5.47
1941	.11	.17	.28	.36	-.02	.42	.64	.78	.27	.13	.28	.22	3.64
1942	.19	.29	.45	.46	.69	.89	.91	.51	.60	.45	.46	.17	6.07
1943	.27	.34	.50	.56	.70	.73	.69	1.11	.72	.50	.31	.11	6.54
1944	.13	.17	.53	.74	.85	.83	.92	.69	.30	.43	.18	.08	5.85
1945	.15	.32	.40	.63	.83	.96	.52	.92	.69	.13	.42	.27	6.24
1946	-.06	.30	.52	.61	.78	.80	.84	.99	.56	.40	.40	.17	6.31
1947	.23	.24	.35	.57	.52	.92	1.02	.83	.87	.64	.27	.18	6.64
1948	.18	.22	.49	.63	.71	.96	.82	.98	.81	.46	.48	.33	7.07
1949	-.07	.27	.43	.23	.59	.77	.81	.62	.53	.33	.47	.31	5.29
1950	.29	.24	.58	.56	.65	.82	.58	.87	.38	.59	.51	.43	6.50
1951	.41	.27	.34	.60	.58	.81	1.01	1.02	.77	.66	.42	.42	7.31
1952	.35	.35	.55	.43	.71	.64	.60	1.02	.73	.57	.25	.25	6.45
1953	.44	.27	.50	.68	.88	1.06	.93	.87	.74	.22	.32	.23	7.14
1954	.30	.40	.61	.42	.56	.83	1.02	.82	.85	.45	.39	.34	6.99
1955	.11	.28	.51	.66	.68	.81	.69	.87	.54	.45	.43	.36	6.39
1956	.27	.29	.60	.63	.82	.98	1.06	1.03	.83	.68	.47	.37	8.03
1957	.30	.14	.50	.63	.67	.91	1.02	.95	.73	.23	.17	.31	6.56

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE F - 5

Lat. 31° to 32° N.

Long. 102° to 103° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.8	3.6	6.3	7.6	8.8	9.2	11.7	9.4	10.4	6.9	3.3	3.0	82.0
1941	2.3	3.0	4.1	6.3	6.1	7.7	9.3	11.3	7.3	5.2	3.4	3.0	69.0
1942	2.3	3.4	5.3	6.2	8.9	10.6	11.4	8.9	8.1	5.8	5.4	3.7	80.0
1943	3.4	4.0	6.2	6.7	9.7	11.0	9.4	13.4	9.4	6.6	4.2	2.0	86.0
1944	2.0	2.6	6.2	8.7	10.4	11.6	11.5	10.3	7.0	5.2	3.6	1.9	81.0
1945	2.3	4.0	6.4	7.8	10.7	12.5	9.4	12.0	9.9	4.1	5.3	3.6	88.0
1946	2.3	3.7	6.3	7.6	9.7	10.9	12.0	12.4	8.2	5.9	5.0	3.0	87.0
1947	3.2	2.9	4.6	6.8	8.3	11.5	12.5	10.3	10.7	7.6	4.1	2.5	85.0
1948	2.4	2.9	6.1	8.6	9.6	12.0	11.4	12.9	9.6	5.9	6.1	4.5	92.0
1949	1.6	3.3	6.0	4.9	7.7	10.5	10.1	8.4	7.4	5.8	5.3	4.0	75.0
1950	3.4	3.0	6.6	6.7	8.0	10.0	8.9	10.7	6.9	7.3	5.7	4.8	82.0
1951	4.7	3.3	4.9	6.9	7.3	9.5	12.7	12.5	8.9	7.7	4.8	4.8	88.0
1952	4.6	4.9	7.1	7.3	10.6	9.2	11.0	13.6	9.9	7.3	4.0	3.5	93.0
1953	5.3	3.2	6.1	8.4	10.9	12.9	12.1	10.8	9.0	5.5	3.8	3.0	91.0
1954	3.7	4.9	7.6	7.3	8.5	11.3	12.7	11.1	10.3	6.7	4.7	4.2	93.0
1955	2.1	3.5	6.2	9.0	9.7	10.7	10.3	11.0	8.7	6.7	5.7	4.4	88.0
1956	3.3	3.6	7.2	7.7	10.2	11.9	13.1	12.5	10.1	8.3	5.6	4.5	98.0
1957	3.7	3.0	5.9	7.4	9.1	11.1	12.3	11.2	8.8	5.1	2.7	3.7	84.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.12	.25	.51	.58	.52	.47	.96	.60	.84	.21	.18	.22	5.46
1941	.09	.20	.17	.35	.06	.37	.55	.70	.39	.09	.27	.19	3.43
1942	.17	.27	.44	.40	.68	.87	.82	.30	.60	.37	.44	.18	5.54
1943	.27	.33	.46	.54	.62	.67	.67	1.11	.65	.52	.29	.08	6.21
1944	.11	.16	.52	.70	.86	.83	.84	.66	.39	.38	.18	.07	5.70
1945	.13	.32	.43	.63	.89	.98	.43	1.00	.76	.08	.44	.28	6.37
1946	.04	.31	.52	.60	.79	.84	.86	.98	.58	.39	.41	.19	6.51
1947	.22	.24	.32	.57	.48	.84	.95	.81	.85	.58	.27	.16	6.29
1948	.18	.19	.51	.71	.68	.88	.77	.99	.76	.41	.51	.34	6.93
1949	-.11	.25	.48	.22	.46	.64	.70	.52	.51	.33	.44	.28	4.72
1950	.25	.23	.55	.51	.47	.71	.61	.73	.41	.56	.48	.40	5.91
1951	.39	.26	.32	.55	.53	.76	.98	.94	.72	.61	.40	.39	6.85
1952	.37	.38	.58	.48	.77	.73	.71	1.07	.71	.61	.23	.24	6.88
1953	.44	.23	.47	.67	.90	1.05	.97	.87	.73	.19	.32	.23	7.07
1954	.29	.40	.63	.43	.53	.86	1.06	.87	.84	.34	.39	.35	6.99
1955	.11	.27	.52	.74	.64	.77	.68	.85	.67	.50	.44	.37	6.56
1956	.26	.28	.60	.59	.79	.95	.99	.93	.82	.64	.47	.35	7.67
1957	.28	.13	.48	.56	.47	.84	.95	.90	.68	.24	.15	.30	5.98

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE F - 6

Lat. 31° to 32° N.

Long. 101° to 102° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.8	3.6	6.2	7.4	8.7	9.1	11.6	9.3	10.3	6.8	3.2	3.0	81.0
1941	2.4	3.2	4.3	6.6	6.3	8.0	9.7	11.8	7.6	5.5	3.5	3.1	72.0
1942	2.2	3.3	5.0	5.9	8.4	10.0	10.9	8.4	7.7	5.5	5.2	3.5	76.0
1943	3.2	3.9	6.0	6.5	9.4	10.6	9.0	13.0	9.0	6.4	4.1	1.9	83.0
1944	2.1	2.7	6.3	8.9	10.7	12.0	11.8	10.5	7.2	5.3	3.6	1.9	83.0
1945	2.4	4.2	6.6	8.0	11.1	12.9	9.7	12.3	10.3	4.3	5.5	3.7	91.0
1946	2.2	3.6	6.1	7.5	9.5	10.7	11.7	12.2	8.0	5.8	4.8	2.9	85.0
1947	3.2	2.8	4.5	6.6	8.1	11.2	12.2	10.0	10.5	7.4	4.0	2.5	83.0
1948	2.4	2.9	6.1	8.6	9.6	12.0	11.4	12.9	9.6	5.9	6.1	4.5	92.0
1949	1.6	3.2	5.8	4.7	7.5	10.2	9.8	8.2	7.2	5.7	5.2	3.9	73.0
1950	3.3	3.0	6.5	6.6	7.9	9.9	8.8	10.5	6.8	7.2	5.7	4.8	81.0
1951	4.3	3.0	4.6	6.5	6.8	8.9	11.8	11.7	8.4	7.1	4.4	4.5	82.0
1952	4.5	4.8	6.9	7.2	10.4	9.0	10.7	13.3	9.6	7.2	3.9	3.5	91.0
1953	5.1	3.1	5.9	8.1	10.5	12.5	11.7	10.5	8.7	5.3	3.7	2.9	88.0
1954	3.8	5.0	7.7	7.4	8.6	11.4	12.7	11.2	10.4	6.8	4.8	4.2	94.0
1955	2.2	3.7	6.5	9.4	10.1	11.1	10.8	11.5	9.1	7.0	6.0	4.6	92.0
1956	3.4	3.7	7.4	8.0	10.5	12.2	13.5	12.8	10.4	8.6	5.8	4.7	101.0
1957	3.7	3.0	5.9	7.4	9.1	11.1	12.3	11.2	8.8	5.1	2.7	3.7	84.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.12	.19	.49	.54	.54	.41	.96	.57	.73	.43	.05	.19	5.22
1941	.03	.22	.14	.22	.26	.32	.58	.73	.33	.04	.28	.15	3.30
1942	.17	.24	.41	.37	.63	.75	.84	.20	.50	.28	.42	.13	4.94
1943	.25	.33	.36	.52	.48	.74	.57	1.08	.62	.50	.27	-.01	5.71
1944	.09	.08	.51	.71	.79	.88	.92	.68	.40	.38	.20	.02	5.66
1945	.14	.33	.44	.56	.91	.94	.01	.93	.78	-.02	.46	.28	5.76
1946	.06	.29	.49	.57	.77	.79	.95	1.00	.48	.31	.39	.13	6.23
1947	.16	.23	.24	.54	.22	.81	.94	.78	.87	.58	.23	.12	5.72
1948	.19	.17	.48	.70	.69	.89	.59	1.02	.72	.44	.49	.34	6.72
1949	-.08	.17	.47	.12	.28	.59	.73	.52	.54	.32	.43	.23	4.32
1950	.22	.22	.54	.36	.31	.73	.52	.60	.15	.57	.47	.40	5.09
1951	.36	.22	.31	.48	.42	.63	.79	.82	.67	.53	.36	.38	5.97
1952	.34	.38	.57	.52	.74	.69	.83	1.08	.72	.60	.16	.21	6.84
1953	.42	.22	.37	.63	.84	1.01	.86	.73	.71	.27	.31	.22	6.59
1954	.29	.42	.59	.40	.48	.81	1.06	.92	.85	.41	.38	.33	6.94
1955	.12	.26	.52	.73	.66	.78	.78	.82	.66	.49	.47	.36	6.65
1956	.25	.30	.62	.57	.84	.99	.96	1.01	.85	.65	.48	.31	7.83
1957	.27	.16	.46	.39	.42	.87	.98	.93	.51	.12	.13	.28	5.52

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE F - 7

Lat. 31° to 32° N.

Long. 100° to 101° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.1	3.8	6.0	7.6	9.2	8.4	10.8	9.2	10.1	7.8	4.4	3.6	83.0
1941	2.8	2.8	4.6	7.1	6.8	9.5	10.1	9.4	8.1	5.2	3.8	4.8	75.0
1942	2.7	3.6	6.6	6.7	8.4	9.0	9.7	6.0	6.1	4.9	4.9	3.4	72.0
1943	3.3	4.8	4.9	7.9	10.0	10.1	10.7	11.8	7.0	6.0	3.8	1.7	82.0
1944	2.4	2.9	6.0	9.0	9.3	11.3	11.8	11.6	7.2	5.9	4.3	2.3	84.0
1945	3.0	4.0	6.3	7.5	11.3	12.4	9.3	11.9	10.4	4.5	5.1	4.3	90.0
1946	1.9	3.7	4.8	7.1	8.6	10.0	13.2	13.9	8.1	6.8	3.8	1.1	83.0
1947	4.6	3.2	2.9	5.6	7.0	9.6	12.4	12.0	10.8	7.8	4.4	2.7	83.0
1948	2.7	2.7	5.9	8.1	8.9	10.7	11.2	14.0	9.7	6.3	6.3	4.5	91.0
1949	3.8	2.3	4.2	4.0	5.8	8.7	10.6	11.0	7.7	6.2	4.9	2.8	72.0
1950	3.6	3.7	5.4	6.9	7.2	9.7	9.9	12.8	8.0	7.4	6.9	2.5	84.0
1951	4.0	3.1	3.9	5.8	6.4	7.9	9.5	11.0	9.1	6.7	3.7	3.9	75.0
1952	3.9	4.6	5.4	6.9	8.6	11.2	10.6	13.6	8.7	8.7	4.6	3.2	90.0
1953	4.4	3.5	4.6	7.0	8.4	11.2	11.1	9.9	11.0	9.3	3.6	4.0	88.0
1954	3.0	4.8	5.5	5.7	6.9	9.9	13.3	11.3	11.8	9.6	7.2	6.0	95.0
1955	2.9	4.3	6.9	8.7	8.2	11.2	11.1	10.9	10.2	9.6	4.4	6.6	95.0
1956	3.5	2.3	6.7	6.5	8.5	11.4	13.4	14.2	13.6	9.7	9.4	2.8	102.0
1957	4.6	2.7	6.1	6.1	7.1	7.7	11.5	12.4	9.9	7.1	3.4	4.4	83.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.13	.15	.47	.43	.52	.24	.87	.66	.70	.51	.13	.24	5.05
1941	.12	.13	.15	.17	.31	.42	.67	.44	.29	-.03	.29	.32	3.28
1942	.22	.27	.52	.23	.45	.62	.74	.07	.34	.03	.39	.13	4.01
1943	.26	.39	.28	.62	.53	.82	.67	.97	.33	.47	.19	-.02	5.51
1944	.00	.10	.46	.72	.49	.87	.92	.69	.30	.37	.27	.11	5.30
1945	.21	.22	.40	.39	.86	.87	.34	.84	.77	.05	.42	.32	5.69
1946	-.02	.29	.36	.54	.42	.77	1.09	1.11	.47	.45	.23	-.03	5.68
1947	.21	.26	.06	.37	.20	.65	1.02	.95	.89	.56	.26	.13	5.56
1948	.21	.15	.46	.58	.61	.72	.52	1.12	.69	.42	.49	.35	6.32
1949	.09	.04	.28	-.04	.17	.48	.84	.77	.49	.26	.41	.10	3.89
1950	.26	.28	.44	.39	.32	.72	.67	.77	.32	.61	.57	.21	5.56
1951	.33	.22	.26	.42	.33	.41	.63	.67	.65	.51	.29	.32	5.04
1952	.29	.36	.41	.47	.52	.85	.82	1.11	.52	.72	.20	.22	6.49
1953	.36	.27	.11	.50	.53	.90	.76	.62	.84	.44	.26	.32	5.91
1954	.22	.40	.44	.10	.27	.66	1.10	.93	.97	.71	.56	.47	6.83
1955	.17	.29	.57	.71	.39	.78	.77	.83	.68	.71	.35	.54	6.79
1956	.22	.18	.56	.43	.60	.94	1.04	1.15	1.09	.63	.74	.16	7.74
1957	.34	.13	.47	.19	.14	.46	.95	1.01	.54	.26	.14	.33	4.96

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE F - 8

Lat. 31° to 32° N.

Long. 99° to 100° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.3	2.8	5.8	6.2	8.0	8.5	11.3	11.0	11.0	7.3	4.3	3.5	82.0
1941	3.1	2.7	3.7	5.2	5.2	7.7	9.8	10.8	8.8	5.6	4.3	3.1	70.0
1942	3.1	3.5	5.5	4.3	7.0	8.1	10.0	10.1	6.7	5.4	5.0	2.3	71.0
1943	2.8	4.6	4.5	7.1	6.6	9.1	9.5	13.0	9.2	7.0	5.2	2.4	81.0
1944	1.7	2.3	4.2	6.9	5.5	8.8	12.2	13.3	9.9	7.8	4.5	3.9	81.0
1945	2.5	3.0	4.0	4.8	8.0	9.2	10.1	12.1	10.5	8.2	5.6	4.0	82.0
1946	2.6	3.3	4.8	6.1	6.9	8.6	13.1	13.8	7.8	6.2	4.6	2.2	80.0
1947	3.1	3.2	3.5	5.3	6.7	9.8	12.5	11.8	10.4	7.9	5.2	2.6	82.0
1948	2.4	2.5	5.0	7.2	7.7	10.9	10.5	12.7	9.3	6.8	6.0	4.0	85.0
1949	3.0	2.0	3.8	3.8	5.5	8.5	10.5	10.8	8.5	6.2	5.0	3.4	71.0
1950	3.1	3.0	5.2	5.5	6.0	8.8	11.1	13.1	8.2	7.7	6.9	3.4	82.0
1951	4.1	2.6	4.5	5.6	6.1	7.7	10.7	12.4	9.8	7.6	4.7	4.2	80.0
1952	3.8	4.4	5.3	5.8	7.2	9.3	9.7	13.9	9.3	8.3	4.9	3.1	85.0
1953	3.7	3.2	4.1	5.7	7.1	10.6	11.0	10.2	9.4	7.8	4.2	4.0	81.0
1954	2.9	4.4	4.8	5.0	6.4	9.7	13.2	12.8	11.3	9.6	6.6	5.3	92.0
1955	3.0	3.3	5.5	6.2	7.1	9.0	10.9	9.7	9.0	8.5	5.2	4.6	82.0
1956	3.4	2.9	6.2	6.4	7.8	10.7	13.2	13.8	12.0	9.0	8.3	3.3	97.0
1957	3.4	2.7	4.9	4.3	5.1	6.6	12.1	12.3	9.5	6.7	3.4	4.0	75.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.13	.03	.46	.23	.33	.18	.92	.63	.84	.49	.07	.14	4.45
1941	.17	-.02	.06	.02	.10	.21	.68	.67	.35	.10	.33	.18	2.85
1942	.26	.27	.42	-.13	.30	.52	.78	.47	.33	.05	.39	.12	3.78
1943	.21	.38	.25	.52	.29	.62	.75	1.08	.30	.53	.36	-.01	5.28
1944	-.13	-.04	.25	.48	.01	.70	.93	.84	.49	.44	.19	.13	4.29
1945	.13	.02	.17	.14	.54	.48	.33	.85	.76	.44	.45	.28	4.59
1946	-.05	.18	.31	.36	.16	.55	1.05	1.09	.33	.41	.22	.08	4.69
1947	.02	.24	.09	.35	.22	.67	1.00	.82	.76	.55	.36	.08	5.16
1948	.15	.12	.39	.44	.52	.76	.70	.96	.59	.44	.44	.27	5.78
1949	-.07	-.01	.20	-.13	.14	.51	.82	.68	.56	.17	.42	.16	3.45
1950	.18	.16	.38	.24	.18	.61	.79	.91	.41	.63	.57	.28	5.34
1951	.34	.17	.28	.35	.18	.26	.82	.90	.71	.55	.37	.34	5.27
1952	.29	.33	.35	.33	.19	.72	.76	1.14	.29	.69	.18	.15	5.42
1953	.30	.23	.12	.32	.39	.82	.77	.63	.70	.29	.30	.30	5.17
1954	.20	.35	.36	.10	.30	.72	1.09	1.05	.92	.67	.47	.42	6.65
1955	.15	.17	.42	.45	.14	.53	.71	.69	.53	.67	.42	.35	5.23
1956	.18	.17	.51	.40	.29	.88	1.08	1.07	.94	.58	.61	.18	6.89
1957	.24	.10	.28	-.15	-.19	.37	.92	.97	.57	.17	.03	.26	3.57

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE F - 9

Lat. 31° to 32° N.

Long. 98° to 99° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.8	3.2	4.9	4.9	6.9	7.3	8.1	10.7	10.2	7.1	4.8	4.1	75.0
1941	3.4	2.6	3.4	4.1	4.9	6.3	9.1	10.7	9.3	6.1	4.7	3.4	68.0
1942	3.5	3.3	5.4	3.5	4.6	7.3	9.0	9.5	7.0	5.5	5.1	3.3	67.0
1943	2.9	4.4	4.0	6.7	6.1	7.5	8.9	10.9	8.9	6.8	5.1	2.8	75.0
1944	2.2	2.5	3.2	6.0	4.8	8.3	11.0	12.1	9.5	8.0	4.2	3.2	75.0
1945	3.0	2.8	3.7	4.1	7.7	8.0	8.9	10.8	11.1	6.3	6.4	4.2	77.0
1946	3.0	3.3	5.0	5.7	5.5	7.7	11.2	13.4	6.5	6.0	4.9	3.8	76.0
1947	2.1	4.0	4.0	3.9	5.7	9.0	10.9	11.0	11.1	8.8	5.4	3.1	79.0
1948	2.3	1.8	4.1	6.0	5.6	9.0	9.4	11.6	9.5	8.2	6.2	4.3	78.0
1949	2.4	1.8	3.5	3.4	5.8	7.0	9.8	9.6	9.2	5.9	5.9	2.7	67.0
1950	2.4	2.6	5.8	4.1	5.5	6.8	9.9	12.7	8.1	8.4	7.3	4.4	78.0
1951	3.8	2.7	5.5	5.7	5.4	6.5	10.5	13.4	8.6	6.6	4.5	3.8	77.0
1952	3.5	4.3	4.1	4.8	5.8	7.2	9.1	13.4	10.8	10.8	5.2	3.0	82.0
1953	4.2	3.4	3.8	5.2	5.5	9.1	9.5	10.8	8.5	6.5	4.5	4.0	75.0
1954	2.6	5.0	4.5	5.0	5.8	9.1	13.0	12.4	10.7	8.6	5.7	4.6	87.0
1955	2.9	2.8	4.3	5.1	6.6	7.5	9.7	8.2	7.6	9.2	6.9	4.2	75.0
1956	3.7	3.2	5.7	6.0	7.7	9.7	12.9	12.9	11.9	8.6	6.3	4.4	93.0
1957	3.2	2.5	3.6	3.0	4.4	6.9	10.8	12.3	8.8	5.8	4.1	3.6	69.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.17	.07	.39	.12	.33	.07	.62	.65	.75	.51	-.21	.05	3.52
1941	.17	-.11	.02	.00	.02	.10	.60	.61	.63	.15	-.09	.20	2.30
1942	.27	.22	.40	-.33	-.07	.20	.67	.50	.16	.02	.37	.18	2.59
1943	.21	.36	.20	.42	.17	.55	.71	.91	.22	.52	.33	.00	4.60
1944	-.10	-.08	.15	.28	-.17	.63	.77	.74	.61	.52	.13	-.01	3.47
1945	.08	-.06	.04	-.03	.51	.34	.42	.75	.61	.25	.46	.25	3.62
1946	-.01	.11	.24	.34	.13	.53	.89	.97	.22	.35	.27	.20	4.24
1947	-.09	.27	.08	.19	.22	.70	.89	.74	.80	.65	.31	.03	4.79
1948	.13	-.07	.27	.29	.18	.62	.58	.84	.58	.63	.45	.27	4.77
1949	-.09	-.02	.13	-.18	.29	.31	.77	.71	.67	.14	.48	.09	3.30
1950	.02	.00	.47	.02	.16	.40	.57	.92	.41	.65	.60	.37	4.59
1951	.30	.11	.33	.32	.12	.10	.82	1.05	.57	.43	.33	.31	4.79
1952	.27	.31	.17	.04	.02	.57	.72	1.07	.65	.90	.03	.00	4.75
1953	.32	.22	.08	.18	.07	.69	.62	.70	.60	.16	.27	.27	4.18
1954	.18	.39	.31	.21	.28	.68	1.04	.98	.83	.52	.24	.34	6.00
1955	.12	.08	.31	.28	.10	.30	.62	.49	.29	.72	.57	.30	4.18
1956	.18	.13	.47	.33	.30	.75	1.06	.99	.96	.57	.39	.18	6.31
1957	.20	.08	.08	-.46	-.27	.43	.81	.98	.51	-.02	.00	.22	2.56

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE F - 10

Lat. 31° to 32° N.

Long. 97° to 98° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.4	2.9	4.5	4.4	6.3	6.6	7.5	9.7	9.2	6.5	4.3	3.7	68.0
1941	3.2	2.5	3.2	4.0	4.7	6.0	8.7	10.3	8.8	5.9	4.5	3.2	65.0
1942	3.3	3.0	5.0	3.2	4.3	6.7	8.4	8.8	6.4	5.1	4.7	3.1	62.0
1943	2.6	4.0	3.6	6.0	5.4	6.6	8.0	9.8	7.9	6.1	4.5	2.5	67.0
1944	2.0	2.2	2.9	5.4	4.4	7.6	9.9	11.0	8.6	7.3	3.8	2.9	68.0
1945	2.5	2.3	3.1	3.4	6.5	6.8	7.6	9.1	9.4	5.3	5.4	3.6	65.0
1946	2.6	3.0	4.5	5.1	4.9	6.9	10.1	11.2	5.8	5.4	4.4	3.4	68.0
1947	1.9	3.4	3.4	3.4	5.0	8.0	9.5	9.6	9.6	7.7	4.8	2.7	69.0
1948	2.0	1.6	3.6	5.4	5.0	8.2	8.5	10.4	8.5	7.4	5.5	3.9	70.0
1949	2.3	1.7	3.3	3.2	5.4	6.6	9.2	9.0	8.6	5.6	5.5	2.6	63.0
1950	2.1	2.3	5.1	3.7	4.8	6.0	8.8	11.2	7.2	7.5	6.4	3.9	69.0
1951	3.6	2.6	5.2	5.4	5.1	6.2	9.9	12.7	8.2	6.3	4.2	3.6	73.0
1952	3.2	4.0	3.8	4.4	5.3	6.6	8.3	12.2	9.9	9.7	4.8	2.8	75.0
1953	3.7	3.0	3.4	4.7	4.9	8.1	8.5	9.7	7.6	5.8	4.0	3.6	67.0
1954	2.5	4.8	4.3	4.7	5.5	8.7	12.4	11.9	10.2	8.2	5.4	4.4	83.0
1955	2.6	2.5	3.8	4.6	5.9	6.7	8.6	7.3	6.8	8.2	6.2	3.8	67.0
1956	3.4	2.9	5.2	5.5	7.0	8.9	11.8	11.8	10.9	7.8	5.3	4.0	85.0
1957	2.7	2.1	3.1	2.6	3.8	5.8	9.2	10.3	7.5	4.5	3.4	3.0	58.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.12	.04	.35	.02	.40	-.02	.47	.70	.71	.43	-.38	-.05	2.79
1941	.12	-.13	.02	-.06	.08	.08	.45	.53	.66	.12	.27	.14	2.28
1942	.23	.17	.34	-.47	.01	.20	.62	.47	.10	.08	.28	.12	2.15
1943	.18	.32	.16	.35	.12	.48	.49	.80	.37	.39	.30	.01	3.97
1944	-.13	-.13	.06	.14	-.30	.56	.75	.71	.59	.51	.03	-.08	2.71
1945	-.01	-.11	-.15	-.19	.42	.28	.44	.57	.62	.24	.33	.15	2.59
1946	-.05	.06	.09	.21	-.04	.43	.79	.87	.14	.36	.14	.08	3.08
1947	-.13	.21	.03	.05	.12	.52	.72	.55	.71	.56	.25	-.01	3.58
1948	.06	-.07	.18	.22	.10	.49	.49	.82	.59	.55	.39	.21	4.03
1949	-.13	-.04	.08	-.12	.32	.19	.64	.62	.67	.17	.45	.08	2.93
1950	.02	-.13	.39	.01	.09	.24	.52	.82	.27	.51	.48	.32	3.54
1951	.22	.01	.31	.24	.11	.20	.77	1.03	.38	.42	.29	.27	4.25
1952	.23	.13	.13	-.12	.01	.48	.63	.99	.74	.81	-.12	-.16	3.75
1953	.27	.13	.04	.18	-.09	.62	.51	.57	.48	.09	.22	.13	3.15
1954	.10	.37	.29	.16	.24	.68	.99	.97	.78	.44	.25	.34	5.61
1955	.10	-.06	.19	.18	-.06	.25	.57	.33	.28	.58	.47	.24	3.07
1956	.08	.10	.42	.34	.23	.69	.95	.91	.90	.53	.28	.16	5.59
1957	.13	.01	-.04	-.55	-.17	.34	.67	.83	.33	-.13	-.05	.19	1.56

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE F - 11

Lat. 31° to 32° N.

Long. 96° to 97° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.4	2.4	4.5	4.0	4.9	6.4	6.8	8.4	7.5	6.2	3.2	2.3	58.0
1941	2.8	2.1	3.4	3.5	4.9	6.0	7.3	7.9	7.3	4.6	5.3	1.9	57.0
1942	2.6	2.9	5.1	3.4	3.9	6.2	6.8	7.5	5.4	4.3	4.1	2.8	55.0
1943	2.3	3.1	3.0	4.6	5.1	5.0	7.8	8.3	6.8	5.9	3.9	2.2	58.0
1944	2.2	2.0	2.5	4.8	3.0	6.1	8.2	8.1	7.7	6.3	3.4	3.7	58.0
1945	2.3	2.0	2.4	2.8	5.3	5.5	5.7	5.9	10.9	3.8	4.1	2.3	53.0
1946	2.2	2.1	2.5	4.8	3.0	6.3	8.3	8.3	7.8	6.5	3.5	3.7	59.0
1947	2.2	3.4	3.0	3.2	4.2	6.1	7.8	8.3	7.7	6.7	4.2	2.2	59.0
1948	1.4	1.4	3.7	4.7	4.7	6.6	7.4	8.8	7.6	6.8	5.3	3.6	62.0
1949	1.7	2.1	3.1	2.7	4.2	6.2	7.3	6.5	7.4	6.3	5.0	2.5	55.0
1950	1.9	2.3	4.5	4.6	3.8	5.2	6.9	8.1	6.4	5.9	5.6	3.8	59.0
1951	4.9	3.5	6.7	6.3	6.0	7.4	12.3	15.0	8.9	7.0	5.1	3.9	87.0
1952	3.1	3.3	4.2	3.8	4.9	7.0	7.2	9.7	9.2	8.0	4.2	2.4	67.0
1953	2.3	2.3	2.1	2.1	5.0	7.1	6.8	7.6	6.6	6.1	4.2	2.8	55.0
1954	1.6	3.6	3.7	4.5	5.1	8.2	10.6	10.7	10.4	7.1	5.3	4.2	75.0
1955	2.9	2.6	3.3	3.5	4.1	5.0	6.5	7.1	6.8	8.0	6.2	4.0	60.0
1956	3.3	2.3	2.0	4.3	5.3	6.4	10.6	10.9	9.2	7.2	5.9	3.6	71.0
1957	2.7	2.0	2.6	2.0	2.9	5.0	8.1	5.1	7.4	5.9	2.9	3.4	50.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.03	-.07	.28	-.02	.09	.10	.28	.53	.50	.36	-.40	-.13	1.55
1941	.05	-.13	.03	.07	.12	.02	.36	.52	.43	.07	.27	-.02	1.79
1942	.15	.13	.35	-.26	.04	.12	.43	.47	.05	.14	.14	.00	1.85
1943	.08	.23	.04	.23	.37	.25	.42	.64	.25	.22	.21	-.04	2.90
1944	-.26	-.22	-.01	.14	-.48	.37	.62	.52	.57	.51	-.22	-.05	1.49
1945	-.02	-.10	-.32	-.17	.27	.13	.24	.03	.66	.01	.25	-.03	0.95
1946	-.15	-.07	-.07	.18	-.30	.29	.59	.41	.52	.37	-.28	.17	1.66
1947	-.15	.20	-.08	.06	-.11	.40	.60	.52	.52	.53	.14	-.08	2.55
1948	-.13	-.10	.10	.11	-.03	.42	.49	.69	.57	.51	.30	.18	3.11
1949	-.24	.00	.04	-.07	.16	.22	.43	.40	.49	-.07	.41	-.05	1.72
1950	.00	-.17	.28	.02	.10	.23	.39	.57	.27	.43	.42	.27	2.81
1951	.28	.04	.37	.40	.32	.31	.99	1.15	.30	.47	.30	.24	5.17
1952	.09	-.02	.13	-.12	.01	.54	.45	.79	.72	.67	-.18	-.18	2.90
1953	.10	-.02	-.12	-.13	-.17	.52	.46	.43	.37	.06	.19	-.18	1.51
1954	-.02	.26	.25	.11	.09	.64	.80	.79	.81	.21	.22	.24	4.40
1955	.03	-.09	.08	-.08	.03	.17	.37	.41	.33	.59	.49	.21	2.54
1956	.05	-.08	.10	.22	.14	.38	.82	.77	.70	.54	.14	.11	3.89
1957	.09	-.05	-.14	-.83	-.16	.18	.63	.32	.28	-.12	-.17	.18	0.21

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE F - 12

Lat. 31° to 32° N.

Long. 95° to 96° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.3	1.8	3.4	3.3	4.3	4.9	5.5	6.4	5.9	4.7	2.6	1.9	46.0
1941	2.2	1.9	2.7	3.1	4.0	4.5	5.7	6.3	5.7	4.3	3.6	2.0	46.0
1942	2.3	2.2	3.6	2.8	3.4	4.6	5.8	6.6	5.0	4.1	3.4	2.2	46.0
1943	1.8	2.6	2.4	3.6	4.3	4.4	6.2	7.0	5.2	4.7	3.0	1.8	47.0
1944	1.5	1.6	2.2	3.6	2.8	4.9	6.6	7.0	5.8	5.1	2.6	2.3	46.0
1945	2.0	1.8	2.2	2.8	4.5	4.8	5.3	5.4	7.2	3.5	3.3	2.2	45.0
1946	1.8	2.0	2.7	3.9	3.2	4.8	6.4	6.7	5.6	4.8	2.6	2.5	47.0
1947	1.5	2.5	2.4	2.6	3.6	4.9	6.4	7.0	6.8	5.3	3.3	1.7	48.0
1948	1.2	1.0	2.6	4.6	4.2	5.9	7.3	8.0	6.7	4.7	3.4	2.4	52.0
1949	1.4	1.5	2.4	2.8	4.3	4.9	6.3	6.2	6.3	3.5	3.3	2.1	45.0
1950	1.7	2.1	3.8	3.5	4.5	5.8	6.3	7.0	4.7	4.5	4.3	2.8	51.0
1951	2.5	1.7	3.6	4.1	4.8	5.4	7.1	8.7	3.7	4.7	3.2	2.5	52.0
1952	2.2	2.8	2.7	3.1	4.1	4.8	6.3	8.9	7.8	6.5	3.5	2.3	55.0
1953	2.1	2.0	2.8	3.0	3.5	6.5	4.5	5.8	5.2	5.0	2.9	2.7	46.0
1954	1.5	3.0	3.1	2.9	3.8	5.7	9.3	10.3	8.9	5.9	3.5	3.1	61.0
1955	2.2	1.5	3.1	3.5	4.8	6.0	7.1	5.7	5.2	6.4	4.6	2.9	53.0
1956	2.2	1.8	3.4	3.2	4.4	5.1	8.4	8.5	6.7	4.8	4.9	2.6	56.0
1957	2.0	1.5	2.4	2.3	3.2	4.0	5.8	5.5	4.9	4.4	2.6	2.4	41.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.00	-.17	.24	-.08	.04	-.01	.26	.27	.39	.21	-.57	-.31	0.27
1941	-.03	-.12	-.02	.10	-.04	-.03	.23	.39	.16	-.19	.10	.00	0.55
1942	.12	.09	.18	-.22	-.07	.09	.36	.33	.16	.24	.17	-.06	1.39
1943	-.03	.17	.05	.22	-.01	.25	.21	.49	.10	.27	.09	-.11	1.70
1944	-.32	-.13	-.11	.04	-.33	.31	.47	.40	.34	.42	-.27	-.28	0.54
1945	-.10	-.08	.18	-.11	.16	.17	.08	.19	.39	-.08	.19	-.01	0.62
1946	-.29	-.17	-.20	.12	-.20	.18	.40	.32	.34	.22	-.53	.02	0.21
1947	-.17	.09	-.13	.12	-.26	.20	.45	.51	.45	.40	-.02	-.16	1.48
1948	-.14	-.19	.07	.07	.09	.36	.53	.59	.52	.37	-.02	-.02	2.23
1949	-.33	-.07	-.05	-.04	.17	.17	.30	.24	.26	-.41	.26	-.17	0.33
1950	-.16	-.17	.16	-.05	-.11	.22	.29	.46	.11	.32	.27	.17	1.51
1951	.01	-.14	-.03	.22	.22	.21	.48	.67	-.09	.32	.06	.01	1.94
1952	-.02	-.15	-.02	-.20	-.08	.32	.36	.72	.60	.54	-.17	-.13	1.77
1953	.06	-.13	-.12	-.17	-.42	.35	.23	.33	.30	.18	.03	-.20	0.44
1954	-.04	.18	.20	.02	-.16	.40	.66	.78	.68	-.11	.05	.06	2.72
1955	-.06	-.25	.11	-.15	.09	.35	.44	.17	.26	.45	.33	.11	1.85
1956	-.04	-.15	.15	.00	.04	.29	.59	.49	.52	.33	.10	.06	2.38
1957	.03	-.10	-.17	-.54	.11	.02	.41	.13	.20	-.38	-.18	.03	-0.44

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE F - 13

Lat. 31° to 32° N.

Long. 94° to 95° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.3	1.4	2.7	2.9	3.9	3.9	4.6	4.8	4.7	3.7	2.4	1.7	38.0
1941	1.8	1.7	2.2	2.8	3.4	3.4	4.6	5.0	4.7	3.9	2.4	2.1	38.0
1942	2.1	1.7	2.5	2.5	3.1	3.5	5.1	5.8	4.9	4.1	3.0	1.7	40.0
1943	1.7	2.5	2.3	3.1	4.1	4.5	5.7	6.7	4.6	4.4	2.7	1.7	44.0
1944	1.0	1.3	2.0	2.9	2.7	4.3	5.6	6.4	4.8	4.6	2.0	1.4	39.0
1945	1.6	1.6	2.1	2.8	3.8	4.2	4.8	4.8	4.4	3.2	2.6	2.1	38.0
1946	1.4	1.9	2.8	3.4	3.2	3.8	5.1	5.6	4.2	3.8	2.0	1.8	39.0
1947	1.2	2.0	2.1	2.3	3.4	4.3	5.7	6.4	6.6	4.6	2.9	1.5	43.0
1948	1.5	1.2	2.3	3.7	3.7	5.0	5.6	6.1	5.1	4.1	2.6	2.1	43.0
1949	1.4	1.4	2.2	2.7	3.8	4.2	4.6	5.2	4.9	2.8	3.0	1.8	38.0
1950	2.1	1.8	2.9	2.7	3.7	4.2	4.5	5.0	3.5	3.5	3.1	2.0	39.0
1951	2.1	1.3	2.9	3.1	4.0	4.8	5.6	7.1	4.0	4.4	3.2	2.5	45.0
1952	1.9	2.1	2.5	2.7	3.6	4.3	5.0	6.5	6.2	6.0	3.3	3.9	48.0
1953	2.2	1.8	2.1	2.5	3.7	4.9	4.0	5.2	4.6	4.9	3.3	3.8	43.0
1954	1.6	3.4	3.0	3.4	3.8	5.4	7.2	7.8	7.0	5.7	3.6	3.1	55.0
1955	2.1	1.5	3.1	3.3	4.1	5.3	5.3	6.4	3.9	5.8	3.9	2.3	47.0
1956	2.0	1.7	2.6	2.6	3.8	4.3	6.7	6.9	6.3	4.4	4.2	2.5	48.0
1957	1.9	1.7	2.4	2.1	3.0	3.4	4.7	4.7	4.1	4.0	2.8	2.2	37.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.00	-.27	.14	-.14	.09	.01	.22	.03	.31	.27	-.82	-.38	-0.54
1941	-.02	-.15	-.03	.00	-.16	-.13	-.04	.33	-.05	-.40	.01	-.02	-0.66
1942	.05	-.01	.02	-.16	-.02	-.02	.28	.12	.28	.30	.11	-.07	0.88
1943	-.06	.16	.04	.22	.12	.22	.22	.47	.22	.27	.06	-.08	1.86
1944	-.34	-.10	-.10	-.05	-.70	.22	.42	.27	.26	.34	-.27	-.38	-0.43
1945	-.18	-.17	-.06	-.12	-.02	.14	.08	.14	.20	-.14	.10	-.08	-0.11
1946	-.43	-.29	-.12	.06	-.22	.00	.21	.17	.18	.12	-.38	-.05	-0.75
1947	-.33	.04	-.15	.06	-.22	.17	.32	.42	.48	.28	-.13	-.20	0.74
1948	-.12	-.22	.05	-.01	-.01	.34	.26	.42	.28	.27	-.25	-.08	0.93
1949	-.37	-.13	-.13	-.11	.09	.02	.16	.24	.27	-.52	.21	-.35	-0.62
1950	-.37	-.35	.07	-.11	-.32	-.15	.17	.33	-.12	.22	.07	-.03	-0.59
1951	-.06	-.19	-.11	.17	.18	.17	.27	.56	-.04	.32	.07	-.12	1.22
1952	-.04	-.16	-.05	-.23	-.13	.28	.04	.48	.48	.50	-.17	-.02	0.98
1953	-.05	-.20	-.24	-.42	-.54	.13	-.01	.25	.30	.26	.08	-.07	-0.51
1954	-.11	.23	.17	.00	-.13	.38	.44	.57	.52	.10	.05	.14	2.36
1955	-.09	-.22	.14	-.11	.07	.34	.24	.16	.21	.32	.20	.05	1.31
1956	-.08	-.22	.08	-.02	.11	.13	.47	.42	.48	.26	.13	.04	1.80
1957	-.08	-.10	-.16	-.45	.03	-.09	.26	.32	.00	-.05	-.43	.00	-0.75

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE F - 14

Lat. 31° to 32° N. Long. 93° to 94° W.

Year	GROSS LAKE SURFACE EVAPORATION RATES IN INCHES												Annual
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	
1940	1.2	1.4	2.5	2.7	3.7	3.7	4.5	4.6	4.4	3.5	2.2	1.6	36.0
1941	1.7	1.6	2.1	2.6	3.1	3.2	4.2	4.5	4.3	3.6	2.2	1.9	35.0
1942	1.9	1.5	2.2	2.2	2.7	3.1	4.4	5.1	4.2	3.6	2.6	1.5	35.0
1943	1.5	2.3	2.1	2.8	3.8	4.1	5.2	6.1	4.2	4.0	2.4	1.5	40.0
1944	0.9	1.2	1.9	2.7	2.4	3.9	5.2	6.0	4.4	4.2	1.9	1.3	36.0
1945	1.5	1.5	1.9	2.6	3.6	4.0	4.6	4.6	4.2	3.0	2.5	2.0	36.0
1946	1.3	1.7	2.5	3.0	2.9	3.4	4.7	5.0	3.7	3.4	1.8	1.6	35.0
1947	1.0	1.7	1.8	2.0	2.9	3.7	5.0	5.5	5.7	3.9	2.5	1.3	37.0
1948	1.3	1.0	2.0	3.2	3.2	4.4	4.7	5.1	4.4	3.6	2.2	1.9	37.0
1949	1.4	1.4	2.1	2.7	3.7	4.1	4.5	5.0	4.6	2.7	3.0	1.8	37.0
1950	1.9	1.7	2.7	2.5	3.4	3.9	4.1	4.6	3.2	3.2	2.9	1.9	36.0
1951	1.8	1.1	2.4	2.6	3.3	4.0	4.8	6.1	3.4	3.7	2.7	2.1	38.0
1952	1.8	2.0	2.3	2.5	3.3	4.0	4.6	6.2	5.9	5.7	3.1	3.6	45.0
1953	2.1	1.8	2.1	2.4	3.6	4.8	3.9	5.2	4.5	4.7	3.2	3.7	42.0
1954	1.6	3.3	2.9	3.3	3.8	5.3	7.1	7.7	6.9	5.6	3.5	3.0	54.0
1955	1.9	1.4	2.9	3.1	3.9	5.0	5.0	5.8	3.7	5.4	3.7	2.2	44.0
1956	1.9	1.7	2.5	2.5	3.7	4.1	6.3	6.7	6.0	4.2	4.0	2.4	46.0
1957	1.7	1.6	2.2	2.0	2.8	3.1	4.3	4.3	3.8	3.7	2.5	2.0	34.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	-.04	-.26	.13	-.18	.10	-.14	.16	-.19	.26	.24	-.72	-.42	-1.06
1941	-.04	-.13	-.06	.03	-.32	-.22	-.16	.27	.07	-.31	-.02	-.03	-0.92
1942	.02	-.12	-.07	-.17	-.02	-.02	.22	.15	.20	.27	.13	-.13	0.46
1943	-.03	.12	-.02	.15	.06	.13	.19	.36	.14	.23	.08	-.14	1.27
1944	-.40	-.14	-.08	-.19	-.65	.22	.34	.00	.22	.30	-.27	-.40	-1.05
1945	-.17	-.18	-.15	-.21	-.07	.06	.00	.18	.25	-.21	.06	-.08	-0.52
1946	-.54	-.34	-.15	.08	-.37	.00	.18	.16	.13	.04	-.36	-.11	-1.28
1947	-.49	-.03	-.14	-.02	-.07	.11	.32	.35	.32	.19	-.28	-.20	0.06
1948	-.17	-.26	.01	.05	-.01	.27	.28	.37	.23	.24	-.47	-.07	0.47
1949	-.36	-.17	-.24	-.12	.22	-.02	.02	.26	.13	-.46	.22	-.34	-0.86
1950	-.30	-.39	.01	-.18	-.22	-.24	.15	.19	-.02	.13	.03	.02	-0.82
1951	-.27	-.21	-.18	.08	.11	-.01	.24	.41	-.10	.28	.01	-.24	0.12
1952	-.08	-.19	-.05	-.41	-.21	.29	-.14	.41	.42	.47	.22	-.05	0.68
1953	-.04	-.28	-.26	-.47	-.86	.18	.02	.20	.31	.30	.03	-.08	-0.95
1954	-.08	.22	.12	-.02	-.21	.36	.47	.52	.47	.23	.12	.08	2.28
1955	-.17	-.30	.12	-.18	-.01	.31	.02	-.04	.16	.37	.15	.03	0.46
1956	-.08	-.23	.01	-.03	.06	.08	.41	.44	.44	.17	.13	-.12	1.28
1957	-.13	-.08	-.16	-.46	-.06	-.24	.22	.31	.04	-.10	-.53	-.05	-1.24

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE G - 3

Lat. 30° to 31° N.

Long. 104° to 105° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.8	3.6	6.4	7.6	8.9	9.3	11.9	9.6	10.5	7.0	3.3	3.1	83.0
1941	2.3	3.0	4.1	6.3	6.0	7.6	9.1	11.1	7.1	5.2	3.3	2.9	68.0
1942	2.5	3.8	5.7	6.8	9.7	11.5	12.4	9.6	8.8	6.3	5.9	4.0	87.0
1943	3.4	4.1	6.3	6.9	10.0	11.3	9.6	13.7	9.6	6.8	4.3	2.0	88.0
1944	2.2	2.9	6.8	9.6	11.7	13.0	12.8	11.4	7.8	5.8	3.9	2.1	90.0
1945	2.3	4.1	6.5	7.9	11.1	12.8	9.6	12.2	10.2	4.2	5.4	3.7	90.0
1946	2.3	3.8	6.4	7.8	10.0	11.2	12.3	12.7	8.3	6.1	5.1	3.0	89.0
1947	3.4	3.0	4.8	7.1	8.7	12.0	13.1	10.8	11.2	7.9	4.3	2.7	89.0
1948	2.6	3.2	6.7	9.5	10.5	13.1	12.5	14.2	10.6	6.5	6.7	4.9	101.0
1949	1.9	3.9	7.0	5.7	9.1	12.3	11.9	9.8	8.6	6.9	6.2	4.7	88.0
1950	3.8	3.4	7.4	7.5	9.0	11.2	9.9	12.0	7.7	8.3	6.4	5.4	92.0
1951	5.3	3.8	5.6	7.8	8.2	10.6	14.3	14.0	10.1	8.6	5.3	5.4	99.0
1952	4.8	5.2	7.5	7.8	11.2	9.7	11.5	14.3	10.4	7.7	4.2	3.7	98.0
1953	5.8	3.5	6.7	9.2	12.0	14.2	13.3	11.9	9.9	6.0	4.2	3.3	100.0
1954	4.0	5.2	8.1	7.8	9.0	12.0	13.5	11.8	11.0	7.1	5.0	4.5	99.0
1955	2.1	3.6	6.3	9.1	9.8	10.8	10.4	11.1	8.8	6.8	5.8	4.4	89.0
1956	3.5	3.8	7.5	8.1	10.6	12.2	13.6	13.0	10.5	8.7	5.8	4.7	102.0
1957	3.9	3.2	6.2	7.7	9.5	11.6	12.9	11.7	9.2	5.4	2.8	3.9	88.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.13	.28	.52	.62	.55	.60	.91	.62	.84	.42	.20	.24	5.93
1941	.11	.18	.30	.36	.17	.46	.40	.63	.12	.10	.26	.20	3.29
1942	.21	.30	.47	.53	.77	.74	.92	.49	.58	.47	.47	.26	6.21
1943	.25	.34	.51	.47	.77	.76	.52	1.10	.61	.56	.31	.06	6.36
1944	.10	.18	.57	.80	.91	.92	.95	.64	.31	.47	.23	.08	6.16
1945	.18	.33	.50	.63	.92	1.06	.42	.92	.79	.05	.45	.31	6.56
1946	.03	.32	.53	.62	.80	.84	.96	.93	.43	.35	.42	.19	6.42
1947	.18	.25	.35	.58	.58	.88	1.02	.74	.85	.62	.31	.16	6.52
1948	.21	.26	.56	.78	.79	.96	.90	1.10	.82	.43	.54	.37	7.72
1949	-.08	.29	.58	.40	.64	.95	.73	.62	.53	.45	.52	.33	5.96
1950	.30	.27	.62	.59	.73	.80	.53	.97	.39	.64	.53	.45	6.82
1951	.43	.30	.40	.63	.60	.83	1.01	1.06	.77	.72	.43	.43	7.61
1952	.37	.43	.61	.59	.88	.65	.75	1.17	.82	.63	.30	.27	7.47
1953	.48	.28	.53	.75	.98	1.13	.96	.89	.80	.41	.35	.27	7.83
1954	.31	.42	.65	.57	.63	.87	1.03	.69	.91	.53	.42	.38	7.41
1955	.12	.30	.53	.74	.77	.85	.53	.79	.64	.42	.46	.36	6.50
1956	.26	.28	.63	.67	.78	.97	1.02	.98	.84	.71	.48	.36	7.98
1957	.30	.15	.51	.63	.70	.94	.94	.80	.74	.25	.19	.31	6.46

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE G - 4

Lat. 30° to 31° N.

Long. 103° to 104° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.8	3.7	6.5	7.7	9.0	9.4	12.0	9.7	10.6	7.1	3.4	3.1	84.0
1941	2.3	3.0	4.1	6.3	6.0	7.6	9.1	11.1	7.1	5.2	3.3	2.9	68.0
1942	2.5	3.7	5.7	6.7	9.5	11.3	12.4	9.5	8.7	6.2	5.8	4.0	86.0
1943	3.5	4.2	6.5	7.0	10.2	11.5	9.8	14.0	9.8	7.0	4.4	2.1	90.0
1944	2.2	2.9	6.8	9.5	11.5	12.8	12.6	11.3	7.8	5.7	3.9	2.0	89.0
1945	2.3	4.1	6.4	7.8	10.9	12.6	9.5	12.1	10.1	4.2	5.4	3.6	89.0
1946	2.3	3.8	6.5	7.9	10.1	11.3	12.4	12.9	8.5	6.1	5.1	3.1	90.0
1947	3.4	3.1	4.9	7.2	8.8	12.2	13.2	10.9	11.3	8.0	4.3	2.7	90.0
1948	2.6	3.2	6.5	9.3	10.3	12.9	12.3	13.9	10.4	6.3	6.5	4.8	99.0
1949	1.8	3.6	6.5	5.3	8.5	11.5	11.1	9.2	8.0	6.4	5.8	4.3	82.0
1950	3.7	3.3	7.1	7.3	8.7	10.8	9.6	11.6	7.5	7.9	6.2	5.3	89.0
1951	5.1	3.6	5.4	7.7	8.1	10.5	14.0	13.8	9.9	8.4	5.2	5.3	97.0
1952	4.7	5.1	7.3	7.6	11.0	9.5	11.3	14.0	10.2	7.6	4.1	3.6	96.0
1953	5.7	3.4	6.6	9.0	11.8	13.9	13.0	11.7	9.7	5.9	4.1	3.2	98.0
1954	4.0	5.3	8.2	7.9	9.1	12.1	13.6	11.9	11.1	7.2	5.1	4.5	100.0
1955	2.2	3.6	6.4	9.2	9.9	10.9	10.5	11.2	8.9	6.8	5.9	4.5	90.0
1956	3.5	3.8	7.5	8.1	10.6	12.2	13.6	13.0	10.5	8.7	5.8	4.7	102.0
1957	3.7	3.1	6.0	7.5	9.2	11.2	12.5	11.3	8.9	5.2	2.7	3.7	85.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.10	.26	.50	.63	.58	.48	.91	.54	.84	.33	.16	.22	5.55
1941	.07	.17	.27	.29	.19	.24	.59	.68	.17	.08	.26	.17	3.18
1942	.19	.29	.47	.53	.70	.85	.91	.40	.64	.44	.47	.22	6.11
1943	.26	.35	.52	.57	.73	.73	.68	1.10	.64	.52	.29	.10	6.49
1944	.08	.17	.57	.79	.87	.82	.95	.67	.27	.45	.24	.05	5.93
1945	.18	.33	.43	.60	.88	1.03	.36	.86	.75	-.02	.45	.30	6.15
1946	-.12	.32	.54	.63	.81	.78	.96	.97	.33	.33	.42	.15	6.12
1947	.18	.24	.34	.59	.53	.90	.96	.77	.88	.65	.28	.15	6.47
1948	.18	.24	.54	.73	.77	.94	.88	1.08	.82	.44	.54	.36	7.52
1949	-.05	.27	.54	.26	.59	.81	.73	.60	.48	.37	.48	.32	5.40
1950	.27	.26	.58	.57	.65	.69	.53	.86	.39	.58	.52	.44	6.34
1951	.43	.28	.35	.64	.54	.77	1.05	1.03	.75	.68	.43	.42	7.37
1952	.34	.49	.51	.56	.77	.57	.65	1.14	.80	.62	.25	.22	6.92
1953	.48	.26	.53	.73	.94	1.10	.95	.89	.77	.39	.34	.23	7.61
1954	.30	.43	.66	.56	.61	.84	1.10	.75	.91	.53	.42	.37	7.48
1955	.08	.30	.53	.68	.71	.81	.68	.83	.57	.48	.43	.36	6.46
1956	.25	.28	.63	.64	.83	.95	1.04	1.05	.84	.67	.48	.37	8.03
1957	.28	.05	.49	.61	.55	.86	.93	.87	.69	.27	.16	.30	6.06

NOTE: Negative values Indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE G - 5

Lat. 30° to 31° N. Long. 102° to 103° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.2	3.8	6.0	7.6	9.1	8.4	10.9	9.2	10.0	7.8	4.4	3.6	83.0
1941	2.5	2.5	4.2	6.4	6.0	8.4	9.1	8.4	7.1	4.7	3.4	4.3	67.0
1942	3.1	4.1	7.5	7.5	9.6	10.2	11.0	6.9	7.0	5.6	5.6	3.9	82.0
1943	4.2	5.2	6.4	8.5	10.9	11.0	11.7	12.9	7.7	6.6	4.1	1.8	91.0
1944	2.7	3.1	6.6	10.0	11.0	12.5	11.2	11.2	7.3	7.7	4.5	2.2	90.0
1945	3.0	4.0	6.4	7.5	11.4	12.6	9.4	12.0	10.5	4.6	5.2	4.4	91.0
1946	2.6	3.8	7.5	7.3	8.9	10.2	12.4	12.1	8.6	6.8	5.3	3.5	89.0
1947	3.7	3.2	5.2	7.3	8.8	10.9	12.6	10.6	10.5	9.2	4.9	3.1	90.0
1948	2.5	3.1	6.5	9.2	10.2	12.7	12.1	13.8	10.3	6.3	6.5	4.8	98.0
1949	1.7	3.4	6.2	5.1	8.0	11.0	10.6	8.7	7.6	6.1	5.5	4.1	78.0
1950	3.6	3.3	7.0	7.2	8.6	10.7	9.5	11.5	7.4	7.8	6.2	5.2	88.0
1951	5.0	3.5	5.3	7.5	7.9	10.2	13.8	13.5	9.7	8.3	5.1	5.2	95.0
1952	4.3	4.6	6.3	7.7	10.2	11.5	11.3	12.2	9.3	8.7	4.6	3.3	94.0
1953	5.4	3.8	5.6	7.9	10.4	14.5	12.7	12.0	12.3	6.2	4.9	4.3	100.0
1954	3.6	5.5	7.1	7.2	8.2	11.5	13.6	11.7	12.1	7.9	5.5	5.1	99.0
1955	3.2	4.2	6.7	9.2	10.5	11.5	12.5	11.4	10.0	8.3	6.5	5.0	99.0
1956	3.5	4.5	7.1	7.5	11.0	13.5	14.4	13.1	13.8	9.7	6.3	4.6	109.0
1957	3.7	3.1	6.0	6.9	8.4	9.1	13.7	13.2	8.9	5.4	4.4	4.2	87.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.14	.22	.46	.57	.43	.37	.88	.53	.81	.48	.19	.28	5.36
1941	.07	.12	.17	.24	.22	.33	.57	.52	.30	.12	.27	.27	3.20
1942	.25	.32	.62	.51	.67	.79	.86	.13	.51	.34	.46	.26	5.72
1943	.32	.43	.45	.67	.66	.66	.88	1.06	.37	.50	.25	.03	6.28
1944	.08	.17	.52	.77	.70	.94	.86	.69	.24	.57	.27	.09	5.90
1945	.21	.27	.38	.49	.92	.92	.47	.93	.77	.03	.43	.35	6.17
1946	.02	.31	.61	.49	.61	.78	.98	.92	.54	.42	.38	.20	6.26
1947	.17	.25	.33	.58	.44	.78	.98	.78	.81	.71	.35	.17	6.35
1948	.19	.22	.53	.73	.72	.97	.93	1.12	.80	.47	.52	.34	7.54
1949	-.04	.22	.47	.11	.42	.72	.78	.52	.48	.32	.46	.25	4.71
1950	.25	.22	.58	.48	.50	.78	.68	.85	.41	.60	.52	.43	6.30
1951	.42	.26	.34	.55	.50	.69	1.09	1.02	.76	.64	.42	.42	7.11
1952	.32	.37	.50	.55	.58	.87	.86	.99	.52	.72	.25	.19	6.72
1953	.44	.28	.40	.64	.80	1.17	.97	.93	.97	.36	.40	.33	7.69
1954	.27	.44	.58	.42	.52	.86	1.12	.90	.98	.54	.45	.42	7.50
1955	.18	.31	.56	.73	.59	.78	.92	.78	.69	.66	.51	.40	7.11
1956	.24	.33	.59	.60	.87	1.07	1.12	1.02	1.13	.69	.51	.35	8.52
1957	.28	.11	.43	.39	.24	.70	1.09	1.09	.62	.21	.25	.32	5.73

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE G - 6

Lat. 30° to 31° N.

Long. 101° to 102° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.9	3.5	5.3	9.1	7.9	8.2	10.7	10.1	9.6	7.8	3.9	3.0	81.0
1941	2.5	2.3	3.9	6.4	6.3	7.8	8.3	9.6	6.8	5.2	3.2	2.7	65.0
1942	2.6	2.9	4.9	5.9	7.7	9.9	10.6	9.0	6.3	5.2	4.9	3.1	73.0
1943	3.9	4.8	5.9	7.9	10.2	10.3	11.0	12.2	7.2	6.1	3.8	1.7	85.0
1944	2.6	3.0	6.3	9.5	10.5	12.0	10.7	10.7	6.9	7.4	4.3	2.1	86.0
1945	3.1	3.3	6.6	7.7	10.5	12.7	9.1	13.9	10.5	4.5	4.7	4.4	91.0
1946	3.2	4.1	7.1	8.0	6.6	8.6	12.8	9.9	8.7	5.4	4.9	3.7	83.0
1947	2.7	3.9	4.8	6.6	8.8	10.5	13.5	10.6	9.9	8.5	4.3	2.9	87.0
1948	2.7	3.0	6.3	8.4	10.4	12.4	11.6	12.6	9.2	5.4	5.7	4.3	92.0
1949	1.4	3.0	5.4	5.9	7.2	9.9	10.8	8.9	8.8	5.1	5.1	3.5	75.0
1950	1.8	2.7	6.6	5.3	7.5	10.0	11.0	10.6	8.7	7.8	7.0	5.0	84.0
1951	4.1	3.2	5.0	6.4	6.7	7.1	12.2	12.5	10.4	8.1	5.1	4.2	85.0
1952	3.7	4.6	5.7	6.3	7.5	8.9	12.0	13.9	10.7	9.0	5.3	3.4	91.0
1953	4.9	4.3	4.2	8.0	9.4	12.0	14.2	12.2	9.1	7.5	5.2	4.0	95.0
1954	2.9	4.5	6.4	4.9	7.5	10.1	13.1	12.8	12.6	7.9	6.6	6.7	96.0
1955	3.2	4.0	6.5	7.3	8.9	10.3	14.1	11.1	8.4	11.1	6.3	4.8	96.0
1956	3.3	4.1	5.4	7.3	9.7	13.8	14.8	13.0	14.3	9.2	5.9	4.2	105.0
1957	3.5	2.9	5.6	6.4	7.9	8.8	15.0	13.4	8.5	5.0	4.1	3.9	85.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.13	.20	.41	.66	.28	.44	.89	.66	.78	.48	.17	.20	5.30
1941	.11	.10	.16	.31	.26	.43	.35	.66	.32	.13	.25	.13	3.21
1942	.20	.20	.40	.37	.63	.77	.76	.27	.43	.27	.40	.19	4.89
1943	.29	.40	.42	.63	.51	.67	.81	1.01	.35	.47	.22	-.01	5.77
1944	.07	.17	.43	.73	.75	.93	.81	.68	.34	.52	.28	.08	5.79
1945	.19	.22	.40	.58	.87	.93	.46	1.13	.78	.08	.39	.36	6.39
1946	.16	.34	.58	.49	.39	.58	1.00	.78	.61	.25	.40	.22	5.80
1947	.07	.32	.33	.53	.49	.68	1.04	.77	.74	.68	.32	.17	6.14
1948	.22	.21	.51	.63	.72	.75	.80	1.01	.73	.38	.46	.32	6.74
1949	-.05	.14	.44	.23	.27	.53	.77	.50	.53	.20	.42	.17	4.15
1950	.11	.20	.55	.35	.38	.72	.77	.76	.41	.64	.58	.42	5.89
1951	.34	.25	.32	.49	.42	.44	.93	.95	.85	.65	.43	.33	6.40
1952	.28	.37	.45	.45	.43	.70	.92	1.16	.87	.75	.35	.22	6.95
1953	.40	.33	.27	.61	.77	.97	1.12	.89	.70	.53	.43	.31	7.33
1954	.20	.37	.53	.24	.48	.60	1.08	1.05	1.02	.57	.54	.56	7.24
1955	.19	.30	.53	.58	.59	.72	1.06	.73	.53	.88	.48	.39	6.98
1956	.23	.32	.45	.58	.75	1.14	1.18	.98	1.16	.65	.48	.32	8.24
1957	.27	.08	.39	.29	.17	.68	1.22	1.10	.62	.13	.22	.30	5.47

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE G - 7

Lat. 30° to 31° N.

Long. 100° to 101° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.2	2.9	5.5	5.8	7.4	8.3	12.0	10.7	10.6	7.1	3.7	2.8	79.0
1941	2.5	2.3	3.2	4.9	4.9	7.0	9.1	9.8	7.6	5.4	3.7	2.6	63.0
1942	2.5	3.0	4.8	4.3	6.8	7.9	9.1	10.1	6.1	5.0	4.4	2.0	66.0
1943	2.7	4.1	5.2	7.1	7.7	8.7	9.6	13.2	7.9	6.2	4.7	1.9	79.0
1944	2.6	2.6	4.9	7.5	7.4	10.3	11.9	12.2	8.5	7.1	4.3	2.7	82.0
1945	2.7	2.9	4.8	6.0	8.9	11.0	11.2	11.8	11.4	5.4	5.2	3.7	85.0
1946	2.4	3.5	4.9	6.0	6.1	8.6	11.6	12.1	7.6	5.8	4.3	2.1	75.0
1947	3.6	3.6	4.0	5.6	6.9	9.0	11.8	11.0	11.1	8.5	4.7	3.2	83.0
1948	2.9	2.4	5.4	7.0	8.1	10.0	10.8	12.6	9.2	5.8	5.9	3.9	84.0
1949	3.4	2.3	4.1	3.8	5.5	8.2	10.1	10.0	8.5	6.1	4.6	2.4	69.0
1950	2.8	3.0	5.3	5.8	6.7	8.6	10.5	11.7	8.2	7.3	5.9	3.2	79.0
1951	3.2	2.7	5.0	5.8	5.7	7.8	10.4	11.9	9.6	7.7	4.8	4.4	79.0
1952	1.9	4.0	4.8	5.0	5.8	8.8	10.4	13.1	9.9	8.8	4.6	2.9	80.0
1953	4.5	4.0	4.2	6.4	7.9	15.2	12.6	10.6	7.0	5.9	4.9	3.8	87.0
1954	2.9	4.4	5.7	5.2	6.6	8.3	11.4	14.9	11.9	8.8	6.5	5.4	92.0
1955	3.6	3.5	5.4	8.3	8.3	11.2	10.5	9.4	8.7	9.1	6.5	4.5	89.0
1956	3.0	3.3	5.5	6.3	8.6	11.3	16.9	15.6	12.2	8.9	6.7	3.7	102.0
1957	3.4	3.2	6.5	5.6	4.1	6.9	13.5	13.0	8.0	6.6	3.4	3.8	78.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.14	.12	.39	.26	.38	.17	.98	.68	.82	.44	.09	.14	4.61
1941	.13	.08	.02	.06	.24	.22	.42	.59	.28	.08	.29	.15	2.56
1942	.19	.24	.37	.08	.44	.52	.66	.25	.28	.02	.35	.06	3.46
1943	.20	.33	.33	.52	.33	.58	.73	1.07	.30	.46	.24	.00	5.09
1944	.01	.11	.32	.47	.32	.78	.94	.80	.41	.38	.24	.08	4.86
1945	.14	.10	.26	.29	.65	.68	.71	.89	.82	.22	.42	.29	5.47
1946	.03	.28	.38	.36	.38	.49	.92	.99	.31	.35	.32	.08	4.89
1947	.09	.29	.18	.38	.32	.58	.97	.77	.80	.65	.34	.18	5.55
1948	.23	.16	.42	.44	.50	.45	.63	1.00	.61	.39	.44	.28	5.55
1949	.08	-.02	.31	-.07	.14	.38	.76	.60	.42	.24	.38	.06	3.28
1950	.19	.19	.44	.29	.24	.58	.64	.83	.37	.60	.49	.27	5.13
1951	.27	.19	.34	.43	.39	.45	.83	.86	.76	.63	.39	.35	5.89
1952	.14	.31	.34	.29	.14	.71	.80	1.08	.60	.73	.27	.18	5.59
1953	.37	.32	.15	.46	.55	1.23	.88	.73	.50	.26	.40	.29	6.14
1954	.20	.36	.47	.18	.32	.47	.94	1.21	.96	.62	.53	.44	6.70
1955	.22	.24	.43	.66	.53	.76	.63	.60	.58	.73	.48	.37	6.23
1956	.19	.22	.46	.42	.52	.92	1.32	1.25	.98	.61	.52	.27	7.68
1957	.24	.14	.44	.06	-.26	.48	1.11	1.06	.46	.08	.07	.27	4.15

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE G - 8

Lat. 30° to 31° N.

Long. 99° to 100° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.0	2.7	5.1	5.3	6.8	7.7	11.1	9.9	9.8	6.6	3.4	2.6	73.0
1941	2.3	2.2	3.1	4.6	4.7	6.6	8.7	9.4	7.3	5.1	3.5	2.5	60.0
1942	2.4	2.9	4.5	4.0	6.4	7.4	8.6	9.3	5.8	4.7	4.1	1.9	62.0
1943	2.5	3.8	4.8	6.6	7.1	8.0	8.8	12.1	7.3	5.8	4.4	1.8	73.0
1944	1.5	2.1	3.7	6.1	4.9	7.8	10.8	11.9	8.8	6.9	4.0	3.5	72.0
1945	2.4	2.8	3.8	4.5	7.5	8.6	9.5	11.3	9.9	7.7	5.2	3.8	77.0
1946	2.8	2.6	4.3	4.6	4.8	6.6	11.7	12.1	6.8	5.1	4.6	3.0	69.0
1947	1.7	3.1	4.1	5.0	6.5	9.8	12.3	11.4	9.9	7.8	5.8	2.6	80.0
1948	2.1	2.2	4.0	6.2	6.2	10.5	9.4	11.1	8.7	6.9	5.3	3.4	76.0
1949	2.0	1.5	3.4	3.5	5.0	7.9	9.9	9.9	8.6	5.7	4.8	3.8	66.0
1950	2.6	2.2	4.6	3.8	4.5	7.5	11.3	12.6	8.0	7.4	6.4	4.1	75.0
1951	3.4	2.2	4.8	5.2	5.3	7.3	10.5	12.1	9.4	7.6	5.0	4.2	77.0
1952	2.7	4.0	4.6	4.6	5.6	7.8	9.1	12.8	9.4	8.0	4.7	2.7	76.0
1953	3.7	3.3	3.7	5.3	6.7	11.8	11.4	10.3	7.3	6.1	4.7	3.7	78.0
1954	2.7	3.9	4.5	4.5	5.9	8.3	11.6	13.6	10.6	8.7	6.0	4.7	85.0
1955	3.2	2.9	4.8	6.1	7.1	9.1	10.5	9.1	8.2	8.2	6.1	3.7	79.0
1956	3.1	3.2	5.6	6.2	7.8	10.4	14.5	14.1	11.1	8.5	6.9	3.6	95.0
1957	2.9	2.9	5.0	4.0	3.7	6.2	12.8	12.5	8.5	6.3	3.5	3.7	72.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.11	.05	.32	.17	.21	.17	.88	.53	.77	.37	.04	-.02	3.60
1941	.13	-.06	-.03	-.02	.23	.29	.45	.48	.09	.08	.26	.17	2.07
1942	.19	.19	.34	-.06	.36	.47	.64	.30	.15	-.01	.31	.08	2.96
1943	.17	.32	.27	.43	.32	.43	.61	1.00	.13	.44	.26	.02	4.40
1944	-.08	-.06	.17	.34	-.09	.53	.78	.71	.43	.40	.13	.13	3.39
1945	.06	.05	.00	.20	.49	.44	.63	.81	.64	.40	.41	.22	4.35
1946	.02	.16	.31	.12	.15	.33	.93	.94	.09	.24	.28	.13	3.70
1947	-.14	.24	.16	.30	.29	.53	1.00	.72	.73	.58	.34	.13	4.88
1948	.16	.09	.28	.33	.33	.47	.58	.83	.43	.46	.38	.20	4.54
1949	-.11	-.15	.21	-.08	.16	.33	.66	.55	.33	.22	.40	.13	2.65
1950	.15	.06	.37	.08	.08	.43	.61	.81	.48	.61	.53	.34	4.55
1951	.28	.13	.25	.36	.17	.46	.87	.88	.74	.58	.39	.32	5.43
1952	.21	.27	.25	.08	.05	.58	.67	1.04	.29	.67	.20	.00	4.31
1953	.30	.22	.15	.38	.41	.97	.80	.76	.42	.22	.36	.27	5.26
1954	.17	.31	.36	.13	.28	.58	.96	1.10	.83	.56	.47	.38	6.13
1955	.14	.16	.37	.48	.32	.62	.53	.57	.46	.60	.44	.27	4.96
1956	.21	.18	.46	.41	.39	.82	1.07	1.08	.90	.61	.53	.21	6.87
1957	.19	.10	.22	-.28	-.23	.40	1.02	.97	.37	-.27	-.01	.26	2.74

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE G - 9

Lat. 30° to 31° N.

Long. 98° to 99° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.2	2.8	4.4	4.6	6.3	6.0	7.7	10.0	8.9	6.3	3.6	3.2	66.0
1941	2.5	1.9	2.6	3.6	4.2	5.2	7.5	8.7	7.2	5.3	3.8	2.5	55.0
1942	2.8	2.4	4.5	3.4	4.3	6.9	7.3	8.4	5.6	4.4	3.9	3.1	57.0
1943	2.4	3.7	4.0	5.6	6.1	7.1	7.8	9.8	6.7	6.1	4.1	2.6	66.0
1944	1.3	1.9	3.3	5.4	4.4	6.9	9.6	10.7	7.8	6.1	3.5	3.1	64.0
1945	2.1	2.4	3.3	3.9	6.6	7.5	8.2	9.8	8.6	6.7	4.6	3.3	67.0
1946	2.7	2.4	4.1	4.3	4.5	6.2	11.0	11.3	6.4	4.8	4.4	2.9	65.0
1947	1.4	2.7	3.5	4.3	5.5	8.3	10.4	9.7	8.4	6.6	5.0	2.2	68.0
1948	1.9	2.0	3.7	5.7	5.7	9.7	8.6	10.2	8.0	6.4	4.9	3.2	70.0
1949	2.0	1.4	3.2	3.3	4.8	7.5	9.5	9.5	8.2	5.4	4.5	3.7	63.0
1950	2.4	2.0	4.3	3.6	4.2	7.0	10.6	11.7	7.4	6.9	6.0	3.9	70.0
1951	3.6	1.7	4.5	4.6	5.0	6.8	10.6	12.3	9.2	7.6	5.2	3.9	75.0
1952	3.4	3.9	4.6	4.3	5.5	6.9	8.1	12.9	8.8	7.3	4.7	2.6	73.0
1953	3.2	2.7	3.6	4.7	6.0	9.6	11.0	10.4	7.8	6.4	4.7	3.9	74.0
1954	2.5	3.5	3.5	3.8	5.1	8.4	11.5	12.3	9.5	8.4	5.4	4.1	78.0
1955	3.0	2.5	4.4	4.4	6.3	7.4	10.6	8.9	8.0	7.6	5.8	3.1	72.0
1956	3.1	3.1	5.4	5.8	6.6	9.3	11.9	12.1	9.8	7.7	6.7	3.5	85.0
1957	2.3	2.6	3.7	2.5	3.3	5.5	11.8	11.8	8.7	6.0	3.4	3.4	65.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.13	-.02	.29	.08	.26	-.14	.48	.62	.64	.26	-.37	-.13	2.10
1941	.13	-.20	-.16	-.05	.10	.05	.50	.67	.43	.06	.23	.14	1.90
1942	.22	.13	.33	-.22	.08	.44	.54	.34	.08	-.09	.22	.16	2.23
1943	.14	.30	.16	.37	.22	.50	.36	.82	.13	.44	.17	.06	3.67
1944	-.22	-.13	.08	.31	-.37	.44	.78	.48	.43	.39	-.02	-.07	2.10
1945	-.02	-.05	.09	.01	.48	.27	.53	.64	.24	.35	.26	.04	2.84
1946	-.04	.03	.20	.09	.03	.34	.90	.79	.19	.22	.13	.08	2.96
1947	-.24	.19	.10	.19	.33	.63	.85	.57	.62	.54	.26	.04	4.08
1948	.05	.02	.19	.19	.23	.66	.66	.64	.55	.41	.33	.15	4.08
1949	-.07	-.08	.08	-.34	.25	.36	.68	.67	.54	.18	.38	.09	2.74
1950	.13	-.10	.33	-.02	.12	.41	.73	.86	.39	.50	.48	.32	4.15
1951	.29	-.01	.19	.23	.02	.43	.87	.94	.50	.58	.38	.29	4.17
1952	.24	.23	.20	-.05	.05	.45	.57	1.08	-.19	.61	.13	-.14	3.18
1953	.22	.09	.17	.12	.17	.75	.78	.64	.36	.19	.35	.22	4.06
1954	.16	.28	.25	.16	.27	.65	.89	.96	.71	.50	.31	.33	5.47
1955	.08	.02	.31	.33	.19	.34	.72	.55	.48	.60	.44	.17	4.23
1956	.16	.16	.44	.46	.35	.72	.94	.95	.77	.50	.38	.12	5.95
1957	.12	.04	.06	-.59	-.34	.19	.94	.92	.30	.02	-.06	.21	1.81

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE G - 10

Lat. 30° to 31° N.

Long. 97° to 98° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.2	2.5	4.0	3.9	5.5	5.8	6.5	8.6	8.2	5.7	3.8	3.3	60.0
1941	2.6	1.9	2.6	3.1	3.7	4.7	6.8	8.1	6.9	4.6	3.5	2.5	51.0
1942	1.9	4.6	3.4	2.8	3.4	5.4	5.2	9.7	5.3	4.1	3.8	2.4	52.0
1943	2.1	2.8	3.7	5.0	6.3	6.3	7.6	9.0	6.3	5.2	3.3	1.4	59.0
1944	1.6	1.6	2.4	4.3	5.1	6.7	8.5	9.4	6.9	5.2	2.4	1.9	56.0
1945	1.9	2.2	3.1	3.3	5.8	7.2	7.5	7.9	7.4	4.3	3.8	2.6	57.0
1946	2.2	2.5	3.7	4.5	5.0	6.3	8.9	8.3	4.9	4.5	3.0	2.2	56.0
1947	2.0	2.4	3.4	3.1	5.2	7.4	8.8	8.1	8.6	6.8	3.9	2.3	62.0
1948	1.6	1.3	3.3	5.1	5.7	7.8	8.0	9.7	6.9	6.0	4.4	3.2	63.0
1949	1.9	1.7	3.3	3.4	5.5	6.9	8.5	8.0	7.2	4.9	4.5	2.2	58.0
1950	1.5	3.8	4.0	3.6	5.2	6.2	8.3	9.7	7.2	6.0	5.0	3.5	64.0
1951	3.8	2.0	5.3	5.3	5.5	7.5	9.6	11.6	8.6	6.0	3.7	3.1	72.0
1952	3.1	3.4	3.6	5.0	6.0	6.9	8.3	10.6	7.3	7.0	4.4	2.4	68.0
1953	3.9	2.2	3.1	4.8	5.6	9.4	9.9	9.7	7.1	5.8	3.1	3.4	68.0
1954	2.7	3.8	4.0	4.9	6.2	8.2	10.5	10.5	9.6	6.4	4.5	3.7	75.0
1955	2.5	2.5	3.5	5.2	6.6	7.0	8.1	8.3	7.0	7.8	5.1	3.4	67.0
1956	2.9	3.0	4.5	5.2	6.7	8.8	10.4	11.3	9.2	7.1	5.2	3.7	78.0
1957	3.7	2.3	3.4	3.2	4.1	5.8	9.7	9.8	7.0	5.3	2.3	2.4	59.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.12	-.05	.23	.01	.20	-.34	.42	.64	.55	.26	-.30	-.10	1.64
1941	.06	-.07	-.07	-.10	-.04	-.12	.24	.61	.50	.04	.18	.05	1.28
1942	-.07	.27	.23	-.24	-.05	.22	.25	.61	.02	.05	.13	.03	1.45
1943	.09	.21	.13	.28	.19	.45	.34	.71	.26	.35	.14	-.03	3.12
1944	-.26	-.12	-.07	.27	-.12	.40	.66	.50	.36	.40	-.27	-.18	1.57
1945	-.05	-.07	-.02	-.10	.35	.24	.46	.26	.44	.12	.23	.02	1.88
1946	-.13	.01	.01	.02	.03	.32	.68	.44	-.01	.27	-.18	.00	1.46
1947	-.11	.16	.02	.05	.16	.51	.68	.35	.68	.55	.15	.00	3.20
1948	.01	-.10	.21	.24	.18	.46	.53	.74	.45	.42	.29	.18	3.61
1949	-.23	-.07	.10	-.25	.42	.26	.58	.54	.45	.06	.37	-.15	2.08
1950	.04	-.02	.27	-.14	.16	.24	.56	.76	.21	.42	.39	.28	3.17
1951	.28	-.07	.19	.33	.12	.31	.78	.89	.27	.41	.21	.20	3.92
1952	.20	.09	.12	.01	.08	.45	.59	.87	.46	.58	-.12	-.14	3.19
1953	.27	.01	.10	.05	.13	.67	.75	.54	.40	-.12	.14	-.08	2.86
1954	.13	.28	.30	.20	.32	.65	.73	.81	.74	.44	.24	.26	5.10
1955	.02	-.09	.19	.25	.10	.26	.58	.33	.46	.62	.37	.16	3.25
1956	.07	.05	.34	.36	.30	.64	.86	.88	.74	.46	.28	.13	5.11
1957	.23	.00	-.05	-.50	-.01	.10	.76	.82	.05	-.20	-.09	.10	1.21

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUANDRANGLE G - 11

Lat. 30° to 31° N.

Long. 96° to 97° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.8	2.1	3.3	3.2	4.1	4.9	6.4	7.3	7.1	4.9	3.4	3.5	52.0
1941	2.6	2.3	2.6	2.7	4.0	4.5	5.8	8.2	5.2	3.8	3.2	3.1	48.0
1942	2.8	2.3	3.1	2.5	3.9	5.5	5.7	6.7	5.2	4.6	4.1	2.6	49.0
1943	2.0	2.6	2.4	3.7	4.6	5.2	7.0	7.0	5.4	4.7	3.3	2.1	50.0
1944	1.6	1.8	2.3	3.2	3.4	5.5	7.2	7.5	6.1	5.1	2.5	1.8	48.0
1945	1.9	2.0	2.2	3.1	4.8	5.5	6.5	6.6	5.5	3.8	3.7	2.4	48.0
1946	2.2	2.0	2.8	3.5	3.6	5.0	7.2	8.0	4.6	4.5	3.1	2.5	49.0
1947	1.3	2.5	2.3	2.9	4.7	5.3	6.6	6.5	6.3	5.1	3.5	2.0	49.0
1948	1.9	1.4	2.8	3.7	4.8	6.8	7.0	7.3	6.7	5.4	4.1	3.1	55.0
1949	1.8	1.9	2.8	2.7	4.9	5.4	6.1	7.2	6.4	4.5	5.0	3.3	52.0
1950	2.5	2.1	3.6	3.0	4.6	5.4	7.0	8.6	6.2	5.6	4.9	3.5	57.0
1951	2.7	2.0	4.1	4.2	4.9	6.1	9.9	7.4	6.8	7.3	5.8	3.8	65.0
1952	2.4	2.9	3.6	3.4	4.7	6.8	7.6	9.8	8.4	7.3	4.6	2.5	64.0
1953	4.0	2.8	3.3	5.0	3.7	9.7	7.1	6.9	6.0	6.2	4.7	3.6	63.0
1954	1.9	3.3	3.7	4.0	6.0	7.9	10.1	9.3	9.1	6.9	4.7	5.1	72.0
1955	3.2	2.8	3.2	3.9	5.2	8.2	7.6	7.3	6.4	7.6	4.8	2.8	63.0
1956	4.4	2.7	2.1	2.6	6.6	7.7	10.6	10.3	10.4	6.0	3.8	3.8	71.0
1957	2.7	2.2	4.2	2.6	4.1	4.2	6.4	7.1	8.8	5.3	3.5	2.9	54.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.08	-.09	.22	-.04	.00	-.16	.32	.52	.45	.23	-.58	-.17	0.78
1941	.08	-.05	-.12	-.07	.09	-.12	.11	.55	.24	-.10	.12	.12	0.85
1942	.18	.10	.19	-.30	.10	.17	.26	.38	.22	.23	.08	.02	1.63
1943	.00	.20	.03	.23	-.12	.32	.17	.53	.27	.28	.10	.00	2.01
1944	-.34	-.12	-.09	.18	-.28	.33	.50	.23	.38	.40	-.37	-.23	0.59
1945	-.06	-.08	-.14	.03	.17	.14	.35	-.01	.29	.03	.24	.02	0.98
1946	-.16	-.03	-.23	.02	-.20	.07	.54	.43	.14	.14	-.20	.02	0.54
1947	-.17	.13	-.10	.11	-.01	.25	.46	-.02	.48	.39	.04	-.11	1.45
1948	-.02	-.14	.11	.12	.14	.47	.36	.53	.50	.43	.17	.17	2.84
1949	-.33	-.14	.02	-.26	.33	.14	.37	.48	.29	-.20	.41	-.17	0.94
1950	.04	-.14	.17	-.21	.00	.02	.43	.59	.17	.43	.39	.22	2.11
1951	.17	-.03	.03	.25	.19	.30	.75	.58	.17	.49	.28	.21	3.39
1952	.08	.01	.13	-.13	.00	.53	.49	.80	.55	.61	-.12	-.13	2.82
1953	.19	-.03	.12	.06	-.13	.63	.48	.22	.33	.13	.20	-.13	2.07
1954	.05	.22	.26	.08	.18	.63	.63	.70	.67	.31	.21	.31	4.25
1955	.08	-.17	.19	.09	.22	.42	.56	.37	.42	.60	.35	.07	3.20
1956	.16	-.03	.10	.02	.32	.54	.83	.76	.81	.40	.15	.10	4.16
1957	.13	.01	-.02	-.58	.16	.08	.46	.52	.29	-.18	-.09	.09	0.87

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE G - 12

Lat. 30° to 31° N.

Long. 95° to 96° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.8	1.9	2.9	3.0	4.0	4.7	5.5	6.2	6.2	4.3	3.3	3.2	47.0
1941	2.4	2.1	2.4	3.0	3.9	4.4	5.2	6.8	5.0	4.0	3.2	2.6	45.0
1942	2.6	2.2	2.8	2.6	3.9	4.8	5.1	5.3	5.0	4.5	3.7	2.5	45.0
1943	2.1	2.3	2.6	3.4	4.1	4.8	5.8	6.3	4.9	4.7	2.9	2.1	46.0
1944	1.7	1.9	2.3	3.0	3.2	5.4	6.4	6.2	5.4	4.7	2.7	2.1	45.0
1945	2.3	2.0	2.3	3.1	4.5	4.9	5.6	5.7	5.0	3.9	3.3	2.4	45.0
1946	2.3	2.0	2.6	3.5	3.5	4.5	5.9	6.5	4.5	4.1	3.0	2.6	45.0
1947	1.6	2.3	2.3	2.7	4.3	5.0	5.9	5.5	5.8	4.5	3.2	1.9	45.0
1948	2.0	1.5	2.6	3.7	4.3	5.9	5.9	6.1	5.5	4.8	3.1	2.6	48.0
1949	1.8	1.8	2.7	3.1	4.6	5.0	5.1	6.1	5.5	3.5	4.2	2.6	46.0
1950	3.2	2.4	3.7	3.3	4.9	5.4	6.2	7.3	5.3	5.0	4.3	3.0	54.0
1951	2.4	1.5	3.4	3.4	4.3	5.6	7.3	7.3	5.8	6.0	4.7	3.3	55.0
1952	2.3	2.4	3.2	3.1	4.2	5.7	6.2	7.6	7.3	7.2	4.2	4.6	58.0
1953	2.6	2.0	2.2	3.2	4.0	6.3	5.1	6.4	8.1	5.7	4.8	4.6	55.0
1954	1.9	3.6	3.2	4.0	4.8	6.3	7.6	7.3	7.1	6.1	4.1	4.0	60.0
1955	2.8	2.3	3.5	3.9	4.9	7.0	6.2	8.0	5.0	7.2	4.6	2.6	58.0
1956	3.4	2.4	2.4	2.8	5.6	6.3	8.8	9.1	9.2	5.8	4.5	3.7	64.0
1957	2.5	2.4	3.7	2.8	4.0	4.1	5.8	6.3	6.6	5.2	3.8	2.8	50.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.07	-.11	.18	-.07	.08	-.05	.34	.31	.42	.17	-.51	-.28	0.55
1941	.04	-.08	-.07	-.09	-.02	-.13	.15	.45	-.04	-.22	.12	.12	0.23
1942	.12	.04	.12	-.24	.07	.05	.16	.14	.17	.25	.16	-.05	0.99
1943	-.07	.17	.05	.20	.03	.23	-.11	.44	.16	.28	.00	-.07	1.31
1944	-.32	-.02	-.12	.13	-.37	.32	.47	.17	.35	.37	-.23	-.19	0.56
1945	-.11	-.11	-.08	-.23	.12	.17	.20	-.10	.27	.05	.17	-.06	0.29
1946	-.27	-.13	-.13	.10	-.24	.07	.27	.37	.21	.08	-.50	.02	-0.15
1947	-.26	.10	-.10	.18	-.18	.28	.38	.29	.43	.33	-.06	-.14	1.25
1948	-.04	-.13	.03	.01	.13	.40	.35	.37	.41	.39	-.03	.12	2.01
1949	-.27	-.17	-.13	-.12	.22	.13	.19	.32	.17	-.49	.34	-.23	-0.04
1950	-.04	-.28	.14	-.12	.07	.08	.27	.54	.05	.37	.28	.14	1.50
1951	-.04	-.10	-.03	.20	.22	.24	.44	.54	.00	.41	.19	.06	2.13
1952	.05	-.19	.10	-.27	-.04	.41	.29	.60	.50	.60	-.09	.02	1.98
1953	.11	-.17	.03	-.20	-.32	.30	.28	.18	.57	.18	.22	-.08	1.10
1954	.02	.22	.22	.04	.03	.40	.26	.52	.47	-.04	.13	.16	2.43
1955	-.02	-.20	.20	-.04	.19	.43	.29	.37	.22	.53	.31	.04	2.32
1956	.03	-.07	.05	-.02	.23	.28	.59	.57	.72	.38	.14	.00	2.90
1957	.10	.02	-.13	-.49	.20	.06	.38	.38	.20	-.01	-.17	.02	0.56

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE G - 13

Lat. 30° to 31° N. Long. 94° to 95° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.9	1.8	2.6	2.8	4.0	4.4	4.7	5.4	5.4	3.9	3.2	2.9	43.0
1941	2.2	1.9	2.2	3.3	3.8	4.4	4.7	5.4	4.7	4.1	3.2	2.1	42.0
1942	2.5	2.0	2.6	2.6	3.9	4.1	4.6	4.2	4.6	4.4	3.2	2.3	41.0
1943	2.1	2.3	2.8	3.1	3.7	4.5	4.6	5.7	4.5	4.7	2.8	2.2	43.0
1944	1.7	1.8	2.2	2.7	3.0	5.1	5.7	5.0	4.5	4.3	2.8	2.2	41.0
1945	2.6	2.1	2.3	2.9	4.1	4.3	4.8	5.1	4.5	3.9	3.0	2.4	42.0
1946	2.5	2.0	2.4	3.5	3.4	4.0	4.6	5.0	4.3	3.7	2.9	2.7	41.0
1947	1.9	2.2	2.3	2.7	3.9	4.6	5.4	4.8	5.5	3.9	3.0	1.8	42.0
1948	2.0	1.5	2.4	3.6	3.9	5.2	4.8	5.3	4.6	4.3	2.2	2.2	42.0
1949	1.9	1.8	2.7	3.6	4.5	4.8	4.5	5.7	4.9	2.8	3.7	2.1	43.0
1950	3.9	2.7	3.8	3.6	5.3	5.5	5.5	6.2	4.5	4.5	3.9	2.6	52.0
1951	2.0	1.1	2.8	2.7	3.8	5.0	5.4	6.9	4.9	4.9	3.7	2.8	46.0
1952	2.0	1.9	2.7	2.8	3.6	4.5	4.7	5.5	6.0	6.6	3.6	6.1	50.0
1953	2.6	2.0	1.9	2.5	4.8	4.3	4.3	5.7	4.9	5.8	4.4	5.8	49.0
1954	2.0	4.1	3.1	4.2	4.4	5.7	6.2	6.6	6.2	6.0	4.0	3.5	56.0
1955	2.5	1.8	3.7	3.8	4.4	5.8	4.8	8.3	3.7	6.6	4.3	2.3	52.0
1956	2.4	2.1	2.6	2.8	4.6	4.9	6.8	7.6	7.8	5.3	4.8	3.3	55.0
1957	2.3	2.5	3.1	2.8	3.8	3.9	5.1	5.5	4.6	4.9	3.9	2.6	45.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.07	-.12	.13	-.08	.17	.05	.25	.08	.38	.16	-.40	-.27	0.42
1941	.02	-.05	-.05	.02	-.23	-.12	.08	.32	-.16	-.20	.14	.03	-0.20
1942	.06	.02	.03	-.23	.11	.01	.03	-.02	.17	.25	.12	-.03	0.52
1943	-.08	.13	.04	.18	-.01	.17	-.25	.38	.11	.34	.01	-.08	0.94
1944	-.23	.01	-.14	.11	-.54	.32	.38	.05	.22	.32	-.17	-.24	0.09
1945	-.06	-.08	.02	-.22	.14	.11	.13	-.03	.22	-.08	.10	-.19	0.06
1946	-.29	-.17	-.07	.05	-.37	-.06	.03	.17	.14	.07	-.45	.02	-0.93
1947	-.22	.10	-.10	.17	-.22	.17	.36	.16	.39	.27	-.15	-.11	0.82
1948	-.09	-.15	.07	.04	.02	.36	.20	.32	.27	.32	-.22	.07	1.21
1949	-.25	-.19	-.15	-.08	.20	.05	.10	.25	.15	-.64	.25	-.40	-0.71
1950	-.01	-.27	.16	-.15	.07	.03	.22	.37	.15	.32	.20	.11	1.20
1951	-.22	-.07	-.06	.17	.17	.24	.24	.49	-.09	.34	.16	-.06	1.31
1952	.03	-.29	.06	-.28	-.10	.30	.13	.42	.43	.55	-.13	.18	1.30
1953	.10	-.19	.01	-.17	-.33	.05	.10	.08	.32	.30	.17	.07	0.51
1954	.00	.28	.17	.08	.02	.33	.24	.44	.40	.13	.15	.20	2.44
1955	-.09	-.20	.24	-.04	.14	.26	.16	.31	.14	.42	.26	.02	1.62
1956	-.04	-.10	.06	.05	.21	.21	.44	.50	.62	.28	.21	-.13	2.31
1957	.05	.06	-.17	-.36	.21	-.06	.30	.23	-.04	.05	-.13	.03	0.17

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE G - 14

Lat. 30° to 31° N.

Long. 93° to 94° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.8	1.7	2.4	2.6	3.8	4.1	4.4	4.9	5.0	3.6	3.0	2.7	40.0
1941	2.0	1.7	2.0	2.9	3.4	3.8	4.1	4.7	4.2	3.6	2.8	1.8	37.0
1942	2.2	1.8	2.3	2.3	3.5	3.7	4.2	3.8	4.3	4.0	2.9	2.0	37.0
1943	2.0	2.1	2.7	3.0	3.6	4.3	4.5	5.4	4.3	4.4	2.6	2.1	41.0
1944	1.7	1.8	2.2	2.6	2.9	4.9	5.4	4.9	4.4	4.2	2.8	2.2	40.0
1945	2.5	2.1	2.3	2.9	4.0	4.2	4.7	5.0	4.3	3.8	2.9	2.3	41.0
1946	2.3	1.8	2.2	3.3	3.1	3.7	4.2	4.7	4.0	3.5	2.7	2.5	38.0
1947	1.7	2.0	2.0	2.4	3.6	4.2	4.7	4.4	4.9	3.5	2.7	1.7	38.0
1948	1.9	1.4	2.2	3.3	3.6	4.5	4.4	4.7	4.1	3.9	2.0	2.0	38.0
1949	2.0	1.8	2.8	3.7	4.8	5.0	4.7	5.9	5.2	3.0	3.9	2.2	45.0
1950	3.3	2.3	3.2	3.0	4.5	4.6	4.6	5.2	3.8	3.8	3.5	2.2	44.0
1951	1.7	1.0	2.3	2.3	3.2	4.2	4.6	5.8	4.2	4.1	3.2	2.4	39.0
1952	1.9	1.8	2.5	2.6	3.4	4.2	4.5	5.1	5.7	6.2	3.4	5.7	47.0
1953	2.6	2.0	1.8	2.4	4.7	4.2	4.2	5.6	4.8	5.7	4.3	5.7	48.0
1954	2.0	4.0	3.1	4.2	4.3	5.5	6.1	6.3	6.1	5.9	4.0	3.5	55.0
1955	2.2	1.5	3.2	3.3	3.8	5.0	4.1	7.3	3.2	5.7	3.7	2.0	45.0
1956	2.1	1.9	2.2	2.4	4.0	4.3	6.0	6.6	6.8	4.6	4.2	2.9	48.0
1957	2.0	2.1	2.7	2.4	3.3	3.4	4.4	4.7	4.0	4.3	3.4	2.3	39.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.04	-.04	.10	-.14	.26	-.03	.13	-.21	.32	.17	-.31	-.24	0.05
1941	.04	.02	-.08	.12	-.28	.00	-.11	.33	-.04	-.13	.10	-.02	-0.05
1942	.05	.00	.00	-.19	.13	-.02	-.02	.02	.11	.25	.16	-.01	0.48
1943	.01	.09	-.03	.13	.10	.19	-.17	.32	-.04	.30	.04	-.02	0.92
1944	-.15	.01	-.03	-.08	-.36	.32	.38	.15	.17	.27	-.07	-.15	0.46
1945	.00	-.07	.02	-.13	.18	.08	.13	.11	.22	.03	.10	-.13	0.54
1946	-.19	-.12	-.03	.18	-.27	-.08	.05	.25	.09	.13	-.11	.02	-0.08
1947	-.29	.10	-.13	.09	.02	.14	.29	.13	.32	.26	-.14	-.14	0.65
1948	-.13	-.01	.09	.08	.16	.35	.17	.22	.23	.26	-.26	.03	1.19
1949	-.12	-.18	-.22	-.11	.25	.23	-.10	.44	.33	-.30	.28	-.22	0.28
1950	.10	-.32	-.01	-.27	.03	-.17	.16	.33	.21	.24	.15	.03	0.48
1951	-.28	-.01	-.10	.14	.14	.27	.13	.38	-.33	.33	.17	-.12	0.72
1952	.04	-.46	.09	-.43	-.18	.26	-.17	.30	.45	.52	-.10	.13	0.45
1953	.09	-.25	.01	-.28	-.49	.03	.08	.15	.35	.37	.15	.07	0.28
1954	.02	.30	.16	.04	-.26	.32	.27	.43	.43	.27	.15	.18	2.31
1955	-.15	-.37	.25	-.11	.02	.10	-.08	-.11	.10	.43	.08	-.08	0.08
1956	-.06	-.16	-.03	.12	.11	.06	.40	.38	.44	.27	.10	-.35	1.28
1957	.10	.09	-.17	-.17	.22	-.16	.19	.26	-.03	.14	-.14	.02	0.35

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE H - 3

Lat. 29° to 30° N.

Long. 104° to 105° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.1	3.7	5.7	9.6	8.3	8.7	11.4	10.8	10.1	8.3	4.1	3.2	86.0
1941	2.8	2.6	4.5	7.4	7.3	9.1	9.5	11.1	7.8	6.1	3.7	3.1	75.0
1942	3.2	3.8	6.3	7.6	10.0	12.8	13.5	11.6	8.1	6.8	6.3	4.0	94.0
1943	4.8	5.9	7.3	9.7	12.5	12.6	13.4	14.7	8.8	7.5	4.7	2.1	104.0
1944	3.0	3.5	7.4	11.2	12.3	14.1	12.6	12.6	8.2	8.7	5.0	2.4	101.0
1945	3.6	3.8	7.6	8.9	12.0	14.6	10.5	16.1	12.1	5.3	5.5	5.0	105.0
1946	3.9	5.1	8.9	9.9	8.1	10.6	16.2	12.2	10.8	6.7	6.1	4.5	103.0
1947	3.2	4.7	5.7	7.9	10.5	12.6	16.0	12.8	11.8	10.2	5.2	3.4	104.0
1948	3.5	4.0	8.3	11.1	13.8	16.5	15.4	16.7	12.2	7.2	7.6	5.7	122.0
1949	1.9	3.9	7.0	7.7	9.4	12.9	14.2	11.6	11.5	6.7	6.7	4.5	98.0
1950	3.3	4.0	7.3	8.4	9.9	11.5	11.9	14.5	11.2	10.2	6.7	4.1	103.0
1951	4.6	4.3	6.8	8.7	10.9	13.7	14.3	17.5	15.1	11.8	6.8	5.5	120.0
1952	4.5	5.0	7.6	8.2	10.6	13.1	14.7	18.1	16.3	11.2	6.9	3.8	120.0
1953	4.6	5.3	6.6	9.8	11.8	15.1	15.7	14.9	13.9	10.9	6.7	4.7	120.0
1954	4.3	5.1	7.6	7.7	11.6	12.4	15.5	13.9	14.7	11.9	6.9	5.4	117.0
1955	3.9	4.8	7.4	9.3	11.2	13.9	12.5	14.6	14.1	9.1	7.5	3.7	112.0
1956	2.4	4.6	6.9	8.1	10.0	12.1	16.2	12.5	11.6	10.5	5.6	3.5	104.0
1957	4.3	4.2	6.9	7.8	9.2	10.8	13.9	13.8	12.1	8.2	5.1	3.7	100.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.14	.28	.45	.80	.28	.63	.89	.77	.78	.58	.30	.26	6.16
1941	.17	.17	.37	.48	.15	.50	.62	.78	.36	.25	.31	.22	4.38
1942	.27	.32	.53	.63	.82	.99	1.10	.73	.46	.55	.50	.33	7.23
1943	.38	.49	.59	.81	.96	.92	.87	1.21	.63	.63	.35	.05	7.89
1944	.18	.28	.62	.93	.96	.96	1.00	.79	.43	.73	.33	.12	7.33
1945	.29	.32	.63	.73	1.00	1.22	.59	1.26	.96	.17	.46	.42	8.05
1946	.26	.43	.74	.82	.64	.84	1.34	.95	.80	.38	.51	.35	8.06
1947	.18	.39	.47	.63	.82	.84	1.33	1.03	.88	.82	.39	.17	7.95
1948	.27	.33	.69	.92	1.15	1.31	1.20	1.37	.99	.48	.59	.46	9.76
1949	.05	.32	.58	.56	.79	1.07	1.02	.86	.93	.49	.56	.33	7.56
1950	.26	.32	.61	.69	.82	.91	.80	1.18	.68	.80	.56	.34	7.97
1951	.37	.36	.51	.73	.84	1.08	1.10	1.43	1.26	.98	.57	.45	9.68
1952	.36	.41	.62	.63	.86	1.04	1.06	1.51	1.36	.93	.52	.27	9.57
1953	.38	.44	.51	.82	.97	1.22	1.18	1.22	1.14	.90	.56	.38	9.72
1954	.34	.42	.63	.60	.92	.90	1.24	.95	1.21	.96	.57	.45	9.19
1955	.31	.40	.62	.73	.91	1.07	1.03	1.12	1.02	.72	.60	.31	8.84
1956	.17	.37	.57	.67	.83	1.00	1.34	1.01	.97	.85	.47	.27	8.52
1957	.34	.31	.58	.63	.69	.89	1.13	1.12	1.01	.53	.40	.28	7.91

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE H - 4

Lat. 29° to 30° N.

Long. 103° to 104° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.1	3.7	5.7	9.7	8.4	8.8	11.6	10.9	10.4	8.3	4.2	3.2	87.0
1941	2.9	2.7	4.6	7.4	7.4	9.2	9.7	11.2	7.9	6.2	3.7	3.1	76.0
1942	3.3	3.8	6.4	7.7	10.1	12.9	13.6	11.7	8.2	6.8	6.4	4.1	95.0
1943	4.6	5.7	7.0	9.3	12.0	12.1	12.9	14.2	8.5	7.2	4.5	2.0	100.0
1944	3.0	3.5	7.3	11.1	12.2	14.0	12.4	12.4	8.1	8.6	5.0	2.4	100.0
1945	3.6	3.8	7.6	8.9	12.0	14.6	10.5	16.1	12.1	5.3	5.5	5.0	105.0
1946	3.9	5.1	8.8	9.8	8.0	10.5	15.9	12.1	10.7	6.7	6.0	4.5	102.0
1947	3.2	4.7	5.8	8.0	10.6	12.7	16.2	12.8	12.0	10.3	5.2	3.5	105.0
1948	3.4	3.9	7.9	10.6	13.2	15.8	14.8	16.0	11.7	7.0	7.2	5.5	117.0
1949	1.8	3.8	6.9	7.6	9.2	12.7	13.8	11.4	11.2	6.7	6.5	4.4	96.0
1950	3.3	4.0	7.2	8.4	9.8	11.4	11.8	14.3	11.0	10.1	6.6	4.1	102.0
1951	4.3	4.0	6.4	8.1	10.2	12.8	13.3	16.3	14.1	11.0	6.4	5.1	112.0
1952	4.3	4.8	7.3	7.8	10.1	12.5	14.2	17.4	15.6	10.6	6.7	3.7	115.0
1953	4.4	5.1	6.4	9.5	11.4	14.6	15.2	14.4	13.5	10.5	6.5	4.5	116.0
1954	4.2	5.0	7.4	7.5	11.3	12.1	15.0	13.5	14.4	11.6	6.8	5.2	114.0
1955	3.8	4.7	7.3	9.0	11.0	13.6	12.3	14.3	13.9	9.1	7.4	3.6	110.0
1956	2.3	4.5	6.7	8.0	9.8	11.8	15.9	12.2	11.4	10.3	5.6	3.5	102.0
1957	3.9	3.8	6.3	7.1	8.4	9.8	12.6	12.6	11.0	7.5	4.6	3.4	91.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.13	.23	.45	.72	.33	.40	.92	.65	.83	.58	.21	.27	5.72
1941	.13	.15	.29	.30	.31	.42	.64	.79	.34	.27	.29	.22	4.15
1942	.28	.30	.51	.50	.71	.95	1.11	.63	.50	.43	.52	.30	6.74
1943	.36	.48	.49	.73	.80	.78	.95	1.17	.34	.57	.32	.02	7.01
1944	.13	.18	.55	.83	.69	1.02	.97	.78	.28	.63	.30	.09	6.45
1945	.26	.21	.56	.54	.95	1.07	.61	1.19	.90	.14	.45	.38	7.26
1946	.14	.41	.72	.76	.52	.80	1.32	.97	.70	.45	.41	.34	7.54
1947	.10	.37	.34	.63	.67	.92	1.34	.97	.87	.75	.39	.16	7.51
1948	.27	.33	.65	.83	.99	1.22	1.08	1.29	.89	.49	.54	.43	9.01
1949	-.05	.22	.51	.45	.63	.93	1.08	.73	.82	.40	.54	.29	6.55
1950	.24	.26	.60	.54	.67	.86	.82	1.12	.68	.81	.55	.34	7.49
1951	.35	.30	.47	.58	.76	.93	1.06	1.32	1.13	.87	.52	.42	8.71
1952	.34	.38	.57	.52	.62	.95	1.07	1.41	.82	.87	.42	.23	8.20
1953	.36	.40	.44	.77	.87	1.17	1.17	1.12	1.07	.70	.52	.35	8.94
1954	.33	.40	.60	.47	.82	.91	1.23	1.03	1.15	.82	.55	.42	8.73
1955	.26	.34	.61	.68	.59	.96	.81	.99	1.02	.72	.60	.28	7.86
1956	.14	.32	.56	.65	.74	.97	1.27	.97	.95	.78	.43	.24	8.02
1957	.29	.26	.44	.33	.33	.73	1.01	1.03	.72	.32	.26	.24	5.96

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE H - 6

Lat. 29° to 30° N.

Long. 101° to 102° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.9	3.3	5.1	8.8	7.6	7.9	10.4	9.7	9.2	7.5	3.7	2.9	78.0
1941	2.4	2.2	3.8	6.3	6.2	7.8	8.1	9.6	6.7	5.2	3.1	2.6	64.0
1942	2.6	3.0	5.0	6.0	7.9	10.1	10.6	9.1	6.3	5.3	4.9	3.2	74.0
1943	4.0	4.9	6.0	8.1	10.3	10.4	11.1	12.1	7.3	6.2	3.9	1.7	86.0
1944	2.7	3.2	6.6	10.1	11.1	12.7	11.3	11.3	7.4	7.8	4.5	2.3	91.0
1945	3.1	3.3	6.5	7.7	10.4	12.7	9.1	14.0	10.5	4.6	4.7	4.4	91.0
1946	3.1	4.1	7.0	7.9	6.5	8.5	12.8	9.8	8.6	5.3	4.8	3.6	82.0
1947	2.8	4.0	5.0	6.9	9.1	10.9	13.8	11.0	10.3	8.7	4.5	3.0	90.0
1948	2.6	3.0	6.2	8.3	10.3	12.3	11.4	12.4	9.1	5.4	5.7	4.3	91.0
1949	1.5	3.1	5.6	6.1	7.4	10.2	11.1	9.1	9.0	5.2	5.2	3.5	77.0
1950	1.9	2.7	6.6	5.4	7.6	10.2	11.2	10.6	8.8	7.9	7.1	5.0	85.0
1951	4.4	3.5	5.4	6.9	7.3	7.8	13.1	13.5	11.3	8.7	5.5	4.6	92.0
1952	3.9	4.8	5.9	6.5	7.7	9.2	12.4	14.3	11.1	9.3	5.4	3.5	94.0
1953	5.2	4.5	4.4	8.4	9.9	12.6	14.9	12.9	9.6	7.9	5.5	4.2	100.0
1954	3.0	4.7	6.7	5.1	7.8	10.5	13.7	13.3	13.1	8.2	6.9	7.0	100.0
1955	3.2	4.1	6.6	7.4	9.0	10.4	14.3	11.1	8.5	11.2	6.4	4.8	97.0
1956	3.3	4.1	5.4	7.3	9.8	13.9	15.1	13.2	14.5	9.3	5.9	4.2	106.0
1957	3.7	3.1	6.0	6.7	8.4	9.3	15.9	14.2	9.0	5.3	4.3	4.1	90.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.12	.17	.33	.56	.32	.36	.83	.45	.76	.53	.25	.19	4.87
1941	.13	.10	.13	.26	.36	.52	.48	.71	.17	.05	.25	.18	3.34
1942	.19	.19	.42	.38	.42	.78	.87	.33	.33	.30	.38	.17	4.76
1943	.30	.41	.46	.62	.57	.78	.82	1.01	.45	.45	.21	-.02	6.06
1944	.10	.20	.49	.78	.73	.86	.94	.63	.28	.41	.31	.11	5.84
1945	.18	.20	.39	.47	.84	1.04	.58	1.11	.76	.13	.38	.37	6.45
1946	.15	.33	.56	.47	.36	.46	1.02	.79	.59	.33	.40	.19	5.65
1947	-.01	.33	.34	.54	.62	.81	1.13	.66	.74	.69	.30	.20	6.35
1948	.22	.20	.50	.63	.78	.87	.72	.98	.62	.32	.45	.35	6.64
1949	-.01	-.16	.44	.20	.53	.63	.74	.48	.49	.26	.43	.13	4.16
1950	.14	.20	.55	.36	.47	.79	.73	.82	.48	.66	.59	.42	6.21
1951	.37	.28	.33	.56	.48	.54	1.09	1.12	.83	.64	.46	.37	7.07
1952	.32	.38	.47	.44	.43	.74	1.02	1.19	.92	.78	.40	.26	7.35
1953	.41	.37	.25	.70	.81	1.05	1.17	.98	.60	.53	.46	.31	7.64
1954	.23	.39	.56	.08	.52	.02	1.10	1.06	1.02	.53	.57	.58	6.66
1955	.23	.33	.53	.58	.51	.78	1.13	.67	.53	.93	.45	.36	7.08
1956	.25	.33	.45	.61	.82	1.16	1.26	1.09	1.17	.66	.49	.35	8.64
1957	.29	.14	.42	.18	-.04	.68	1.32	1.18	.63	.33	.25	.30	5.68

Note; Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE H - 7

Lat. 29° to 30° N.

Long. 100° to 101° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.8	3.6	4.7	4.6	6.1	7.4	10.1	10.9	10.4	7.2	4.0	3.2	75.0
1941	2.3	2.1	2.7	3.9	4.5	5.5	8.6	9.6	7.5	6.0	3.8	2.5	59.0
1942	2.9	2.8	4.8	4.0	5.3	8.0	8.5	10.4	6.7	5.8	4.7	3.1	67.0
1943	2.7	3.8	5.7	7.2	8.8	7.4	9.9	12.2	6.9	5.8	4.5	2.1	77.0
1944	2.9	2.8	4.9	6.7	6.3	8.7	12.3	11.9	8.3	7.8	4.4	3.0	80.0
1945	3.2	3.0	4.5	5.8	8.0	10.0	11.8	12.8	11.7	6.0	5.0	4.2	86.0
1946	2.1	4.0	5.8	6.3	5.1	7.1	10.0	11.9	7.5	5.0	4.0	3.2	72.0
1947	2.1	4.0	5.6	6.4	8.6	9.3	12.5	10.5	10.2	9.0	4.8	3.0	86.0
1948	3.1	2.1	5.7	8.1	9.3	10.8	10.1	12.1	8.4	5.9	4.9	3.5	84.0
1949	1.9	2.7	4.4	3.9	6.9	9.1	9.9	8.7	8.4	5.2	4.6	2.3	68.0
1950	2.3	2.2	5.3	5.2	6.9	7.9	10.8	11.6	8.3	7.2	5.6	3.7	77.0
1951	3.9	3.2	5.1	6.3	6.7	8.3	11.8	11.7	9.0	6.0	3.8	3.2	79.0
1952	2.8	3.3	3.9	4.8	6.2	9.7	11.5	13.3	10.0	8.3	4.0	3.2	81.0
1953	4.6	4.1	5.3	7.6	10.2	12.8	15.0	11.2	8.1	6.2	4.6	3.3	93.0
1954	2.9	5.2	6.3	5.7	8.6	9.3	12.1	12.5	11.6	7.1	5.8	4.9	92.0
1955	2.9	3.5	5.1	8.4	8.6	10.4	11.5	10.4	9.0	9.1	5.0	3.1	87.0
1956	2.5	3.5	6.3	7.1	10.0	12.8	14.6	14.1	11.2	8.9	5.8	4.2	101.0
1957	2.8	2.8	6.5	6.3	5.7	8.1	13.5	13.3	7.3	5.8	2.2	2.7	77.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.20	.18	.29	.19	.14	.26	.82	.62	.85	.53	.22	.19	4.49
1941	.13	.06	.02	.09	.25	.32	.38	.72	.27	.09	.29	.18	2.80
1942	.22	.17	.39	.13	.24	.60	.53	.44	.29	.32	.35	.20	3.88
1943	.19	.31	.41	.44	.34	.46	.67	1.00	.24	.39	.26	.01	4.72
1944	.08	.11	.30	.47	.27	.49	.97	.73	.46	.36	.28	.13	4.65
1945	.17	.15	.22	.41	.59	.72	.91	1.00	.85	.21	.42	.34	5.99
1946	.04	.30	.45	.31	.11	.31	.78	.97	.48	.27	.32	.18	4.52
1947	-.07	.31	.37	.41	.54	.50	1.00	.65	.73	.68	.32	.19	5.63
1948	.25	.09	.46	.50	.58	.42	.58	.95	.53	.42	.37	.27	5.42
1949	-.04	-.32	.33	.03	.38	.44	.75	.35	.38	.16	.38	.02	2.86
1950	.17	.12	.43	.34	.30	.49	.72	.84	.36	.58	.47	.31	5.13
1951	.33	.24	.25	.48	.41	.55	.97	.96	.68	.26	.31	.23	5.67
1952	.22	.24	.27	.28	.27	.77	.90	1.10	.81	.69	.24	.18	5.97
1953	.36	.33	.30	.59	.79	1.03	1.23	.63	.50	.33	.38	.23	6.70
1954	.21	.43	.53	.22	.47	.34	.94	.98	.87	.41	.48	.41	6.29
1955	.18	.24	.38	.69	.49	.67	.70	.69	.38	.74	.33	.23	5.72
1956	.17	.24	.53	.56	.79	1.06	1.20	1.09	.88	.53	.48	.32	7.85
1957	.20	.11	.38	.00	-.22	.55	1.11	1.09	.34	.17	-.01	.13	3.85

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE H - 8

Lat. 29° to 39° N. Long. 99° to 100° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.6	3.3	4.3	4.1	5.5	6.7	9.2	9.9	9.3	6.5	3.7	2.9	68.0
1941	2.3	2.1	2.7	3.8	4.4	5.4	8.5	9.4	7.4	5.9	3.7	2.4	58.0
1942	2.6	2.5	4.3	3.6	4.7	7.1	7.7	9.3	6.0	5.2	4.2	2.8	60.0
1943	2.5	3.5	5.3	6.7	8.1	6.8	9.0	11.4	6.4	5.3	4.1	1.9	71.0
1944	2.6	2.5	4.3	6.0	5.6	7.7	10.7	10.6	7.4	7.0	3.9	2.7	71.0
1945	2.8	2.7	4.0	5.1	7.1	8.8	10.5	11.3	10.3	5.3	4.4	3.7	76.0
1946	2.7	3.1	5.0	5.0	4.2	7.4	9.9	10.3	7.0	5.0	4.5	2.9	67.0
1947	2.4	3.7	4.9	5.5	6.6	7.9	11.0	9.4	11.0	8.5	4.8	3.3	79.0
1948	3.0	2.1	4.7	5.8	7.1	9.0	10.0	11.0	8.4	5.2	5.4	3.3	75.0
1949	2.9	2.1	3.8	3.5	5.2	7.5	9.4	9.0	9.1	6.0	4.4	2.1	65.0
1950	2.1	2.4	5.3	4.7	6.1	7.6	10.7	10.7	8.5	7.1	5.0	3.8	74.0
1951	2.0	1.5	2.7	3.3	3.9	7.6	10.0	10.8	10.7	11.4	5.7	4.4	74.0
1952	2.7	3.7	4.0	4.7	5.8	7.3	10.8	11.7	8.6	7.0	4.1	5.6	76.0
1953	3.2	2.9	4.4	7.2	7.8	10.5	12.7	10.9	8.6	5.3	3.8	2.7	80.0
1954	2.7	5.0	6.1	5.9	8.1	9.5	10.0	12.1	10.8	6.9	4.6	4.3	86.0
1955	3.0	3.3	4.3	6.6	7.9	9.6	11.4	11.0	8.0	9.1	5.3	3.5	83.0
1956	2.5	3.0	4.9	5.7	7.9	11.3	12.9	13.3	9.8	8.8	5.8	4.1	90.0
1957	3.2	3.2	5.3	4.1	3.9	6.2	11.3	13.6	9.3	6.6	2.8	2.5	72.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.17	.10	.23	.13	.04	.13	.63	.65	.71	.31	.11	-.05	3.16
1941	-.01	-.23	-.17	-.09	.14	.17	.49	.62	.17	.21	.26	.14	1.70
1942	.20	.09	.32	-.08	.18	.55	.37	.53	.16	.14	.33	.18	2.97
1943	.17	.28	.33	.41	.36	.28	.57	.93	.13	.30	.22	.06	4.04
1944	.01	.02	.15	.44	-.07	.38	.87	.24	.50	.45	.13	.05	3.17
1945	-.08	.05	.02	.16	.47	.47	.82	.85	.43	.27	.33	.19	3.98
1946	.06	.15	.35	.16	.02	.42	.76	.60	.13	.14	.25	.13	3.17
1947	-.06	.27	.28	.32	.37	.23	.88	.49	.90	.62	.24	.20	4.74
1948	.23	.02	.35	.29	.45	.37	.59	.87	.34	.28	.38	.22	4.39
1949	.01	-.17	.12	-.14	.33	.26	.61	.46	.42	.07	.37	-.02	2.32
1950	.07	.07	.43	.26	.21	.33	.70	.62	.48	.58	.40	.32	4.47
1951	.16	.02	.02	.22	-.30	.48	.83	.86	.76	.82	.41	.33	4.61
1952	.21	.13	.13	.13	.07	.46	.81	.97	.33	.58	.12	.22	4.16
1953	.26	.16	.20	.52	.58	.84	.99	.59	.28	.00	.29	.15	4.86
1954	.19	.42	.49	.33	.43	.56	.78	.95	.86	.34	.31	.35	6.01
1955	.12	.14	.31	.53	.22	.64	.67	.68	.55	.70	.30	.24	5.10
1956	.13	.17	.40	.41	.62	.92	.91	.97	.78	.51	.40	.27	6.49
1957	.22	.13	.22	-.43	-.35	.35	.93	1.07	.33	.01	-.07	.11	2.52

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE H - 9

Lat. 29° to 30° N.

Long. 98° to 99° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.0	2.6	4.1	4.7	6.3	5.4	7.9	10.2	8.4	6.0	2.8	2.6	63.0
1941	2.1	1.5	2.3	3.7	4.3	5.1	7.4	8.6	6.7	5.5	3.6	2.2	53.0
1942	2.1	3.3	3.9	3.2	3.9	6.2	5.9	9.0	5.1	4.0	3.6	2.8	53.0
1943	2.3	3.2	4.3	5.3	6.8	7.2	8.0	10.1	6.2	6.0	3.6	2.0	65.0
1944	2.2	1.7	3.1	5.1	5.6	7.2	9.8	9.9	7.2	5.9	3.3	2.0	63.0
1945	2.2	2.2	3.8	4.4	7.0	8.2	8.7	9.2	8.8	4.6	4.0	2.9	66.0
1946	2.4	2.7	4.5	5.3	4.9	7.0	9.9	9.6	5.1	4.2	3.1	2.3	61.0
1947	2.1	2.6	3.9	4.3	5.8	7.5	9.7	8.6	9.0	7.1	4.0	2.4	67.0
1948	2.2	1.7	3.8	5.9	6.8	9.1	8.7	9.9	7.0	5.5	4.3	3.1	68.0
1949	2.0	2.2	3.6	3.7	5.6	6.9	9.2	8.9	7.9	5.5	4.1	2.4	62.0
1950	2.0	3.5	4.4	4.0	6.0	6.9	9.0	10.1	7.8	6.2	4.9	3.2	68.0
1951	3.5	2.2	4.8	5.3	5.6	7.1	9.7	11.0	8.2	6.1	3.6	2.9	70.0
1952	3.1	3.5	4.1	5.0	6.6	7.5	9.1	11.4	7.8	7.1	4.2	2.6	72.0
1953	4.1	2.7	3.5	5.4	6.6	9.9	10.9	9.9	7.2	5.6	3.1	3.1	72.0
1954	2.6	4.0	4.5	4.9	6.5	8.5	10.1	10.9	9.6	6.6	4.8	4.0	77.0
1955	2.8	2.9	4.5	6.2	7.5	8.7	9.9	9.8	7.7	8.3	5.2	3.5	77.0
1956	2.7	2.8	4.6	5.5	7.1	9.4	10.9	11.2	9.2	7.1	4.9	3.6	79.0
1957	3.5	2.8	4.3	4.2	4.8	6.6	10.9	11.1	8.3	5.5	2.5	2.5	67.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.07	.02	.24	.22	.27	-.02	.54	.75	.60	.20	-.07	-.08	2.74
1941	.00	-.10	-.10	-.12	.05	.04	.54	.68	.25	.18	.24	.11	1.77
1942	.16	.15	.29	-.08	.13	.39	-.05	.47	-.04	-.07	.22	.17	1.74
1943	.13	.26	.23	.35	.26	.41	.41	.81	.14	.46	.15	.03	3.64
1944	-.13	-.04	.04	.35	-.06	.48	.77	.44	.48	.40	-.07	-.13	2.53
1945	-.07	-.08	.08	.22	.51	.44	.55	.65	.48	.10	.27	.11	3.26
1946	-.08	.05	.18	.16	.12	.23	.72	.33	-.23	.14	.05	-.03	1.64
1947	-.08	.19	.18	.27	.16	.56	.72	.45	.73	.55	.23	.08	4.04
1948	.14	-.07	.25	.36	.42	.51	.58	.57	.41	.24	.28	.22	3.91
1949	-.08	-.06	.16	-.27	.37	.17	.58	.53	.56	-.02	.33	-.01	2.26
1950	.12	.11	.35	.13	.27	.39	.57	.70	.48	.47	.38	.27	4.24
1951	.27	.01	.20	.36	.08	.35	.78	.89	.43	.40	.21	.22	4.20
1952	.21	.14	.15	.16	.27	.51	.59	.95	.00	.59	.04	-.03	3.58
1953	.29	.14	.23	.25	.45	.69	.84	.48	.33	.14	.23	.10	4.17
1954	.14	.33	.37	.24	.39	.58	.80	.82	.75	.37	.32	.32	5.43
1955	.11	.04	.28	.49	.31	.55	.73	.64	.58	.62	.29	.22	4.86
1956	.15	.16	.37	.38	.47	.74	.85	.68	.69	.48	.29	.17	5.43
1957	.24	.05	.07	-.30	-.18	.31	.85	.88	-.01	.10	-.09	.12	2.04

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE H - 10

Lat. 29° to 30° N.

Long. 97° to 98° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.8	2.9	4.0	4.3	5.6	5.8	6.5	7.8	7.2	4.7	3.5	2.9	57.0
1941	2.4	2.2	2.3	3.0	4.3	4.0	6.5	6.5	6.0	4.8	3.3	3.7	49.0
1942	2.5	3.2	3.6	2.8	3.6	5.0	4.3	7.2	4.7	4.2	4.1	2.8	48.0
1943	2.4	3.0	3.7	4.8	5.7	5.7	7.0	8.5	5.9	6.0	3.5	1.8	58.0
1944	1.7	1.7	2.8	4.1	4.7	6.3	8.1	8.3	5.9	5.0	2.4	2.0	53.0
1945	2.6	2.4	3.5	3.5	5.6	6.6	6.7	7.1	7.6	4.3	4.2	2.9	57.0
1946	2.4	2.2	3.6	4.4	4.8	5.6	7.9	7.5	4.2	3.9	3.2	2.3	52.0
1947	1.9	2.5	3.2	3.1	4.5	6.6	8.3	6.9	7.9	5.9	4.0	2.2	57.0
1948	2.1	1.7	3.0	4.4	5.3	7.3	7.4	8.8	6.0	5.7	4.4	2.9	59.0
1949	2.0	2.0	3.3	3.4	4.7	6.4	7.1	7.4	6.6	5.1	4.3	2.7	55.0
1950	2.3	3.1	3.8	4.6	5.2	6.0	7.3	8.9	6.6	5.8	4.7	3.7	62.0
1951	3.7	2.1	4.6	4.9	5.0	6.2	8.5	10.7	7.2	5.5	3.5	3.1	65.0
1952	3.2	3.5	4.0	4.7	6.3	6.5	7.6	9.8	6.4	6.5	3.9	2.6	65.0
1953	3.5	2.4	3.0	4.5	5.2	7.8	8.8	8.7	7.1	4.1	3.3	3.6	62.0
1954	2.7	3.8	4.3	4.8	5.9	7.9	9.2	9.5	8.9	6.3	4.7	4.0	72.0
1955	2.4	2.7	3.9	4.9	6.6	8.2	9.7	8.8	6.5	7.4	5.4	3.5	70.0
1956	3.1	3.6	4.8	4.8	6.0	7.8	10.0	10.9	8.3	6.6	5.0	4.1	75.0
1957	3.9	2.7	3.7	3.5	5.0	5.4	9.0	9.4	7.6	5.3	3.4	3.1	62.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.09	.02	.22	.19	.35	-.38	.37	.59	.52	.07	-.32	-.17	1.55
1941	.04	-.08	-.08	-.22	-.09	-.06	.31	.35	.26	.03	.20	.19	0.85
1942	.19	.16	.26	-.11	.17	.32	-.37	.34	-.11	.06	.21	.14	1.26
1943	.08	.23	.14	.38	.19	.34	.25	.68	.20	.43	.07	.02	3.01
1944	-.21	.01	.00	.21	-.13	.39	.61	.33	.33	.37	-.15	-.03	1.73
1945	.02	-.04	.03	.03	.43	.22	.41	.48	.48	.08	.31	.12	2.57
1946	-.09	.01	-.01	-.01	.14	.06	.57	.04	-.13	.11	.02	.10	0.81
1947	-.08	.18	.07	.06	.03	.49	.59	.30	.62	.95	.17	-.02	2.86
1948	.09	-.09	.17	.26	.05	.47	.52	.53	.33	.35	.27	.22	3.17
1949	-.10	-.13	.17	-.37	.31	.29	.29	.50	.37	-.20	.35	-.02	1.46
1950	.13	.05	.28	.01	.22	.07	.49	.66	.27	.45	.37	.30	3.30
1951	.27	.03	.17	.33	.13	.02	.68	.83	.22	.38	.12	.20	3.38
1952	.20	.08	.18	.12	.17	.32	.44	.80	-.01	.54	-.17	-.12	2.55
1953	.25	.01	.21	.02	.22	.48	.67	.35	.39	-.03	.24	.12	2.93
1954	.13	.30	.34	.10	.27	.58	.69	.73	.61	.38	.33	.29	4.75
1955	.06	-.17	.24	.33	.17	.32	.72	.45	.48	.57	.37	.16	3.70
1956	.17	.19	.33	.31	.29	.59	.75	.83	.60	.41	.34	.08	4.89
1957	.27	-.01	-.04	-.32	.04	.27	.68	.73	-.25	.06	-.07	.17	1.53

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE H - 11

Lat. 29° to 30° N.

Long. 96° to 97° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.8	2.1	3.3	3.3	4.1	5.0	6.5	7.5	7.3	5.0	3.5	3.6	53.0
1941	2.5	2.2	2.5	2.6	3.8	4.3	5.5	7.8	5.0	3.7	3.1	3.0	46.0
1942	2.6	2.2	2.9	2.3	3.6	5.2	5.3	6.3	4.9	4.3	3.9	2.5	46.0
1943	1.9	2.5	2.4	3.6	4.5	5.1	6.9	6.9	5.3	4.7	3.2	2.0	49.0
1944	1.6	1.8	2.3	3.2	3.4	5.5	7.1	7.4	6.2	5.2	2.5	1.8	48.0
1945	2.0	2.0	2.3	3.2	4.8	5.6	6.7	6.8	5.6	3.9	3.7	2.4	49.0
1946	2.1	1.9	2.7	3.3	3.4	4.8	7.0	7.7	4.4	4.3	3.0	2.4	47.0
1947	1.3	2.5	2.3	2.9	4.7	5.3	6.6	6.4	6.4	5.1	3.5	2.0	49.0
1948	1.8	1.3	2.5	3.4	4.4	6.1	6.4	6.7	6.0	4.9	3.7	2.8	50.0
1949	1.7	1.8	2.6	2.5	4.6	5.1	5.7	6.7	6.1	4.3	4.8	3.1	49.0
1950	2.5	2.0	3.6	3.0	4.5	5.3	6.9	8.4	6.1	5.5	4.8	3.4	56.0
1951	2.6	1.9	4.0	3.8	4.1	5.1	7.8	10.3	5.8	6.2	5.0	3.4	60.0
1952	2.7	2.5	3.8	4.1	5.0	6.5	5.6	7.8	7.8	7.9	4.5	3.8	62.0
1953	3.6	2.6	3.0	4.6	3.3	8.8	6.4	6.2	5.5	5.6	4.2	3.2	57.0
1954	1.8	4.0	3.2	3.4	4.6	6.6	7.8	8.7	9.4	7.6	4.2	3.7	65.0
1955	3.0	2.5	4.0	4.4	5.1	6.8	6.4	7.9	6.0	7.7	6.0	5.2	65.0
1956	3.0	2.8	3.6	4.3	4.5	5.2	12.1	10.5	9.5	6.3	5.4	3.8	71.0
1957	2.6	2.4	3.9	3.5	4.2	4.1	7.1	7.7	9.1	6.0	4.0	3.4	58.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.08	-.08	.22	.12	.22	-.23	.27	.53	.47	-.02	-.48	-.19	0.91
1941	.05	-.07	-.15	-.33	-.08	-.14	.18	.41	-.01	-.13	.15	.12	0.00
1942	.16	.05	.15	-.28	.26	.20	-.21	.17	.17	.18	.09	.06	1.00
1943	-.04	.08	.00	.26	.08	.32	.09	.53	.18	.28	-.01	-.17	1.60
1944	-.35	.02	-.25	.23	-.26	.36	.53	.27	.25	.38	-.13	-.15	0.90
1945	-.03	-.03	-.05	-.03	.32	.14	.39	-.22	.37	.07	.26	-.10	1.09
1946	.11	.12	-.07	.04	-.13	-.03	.38	.27	-.08	.04	-.11	.06	0.60
1947	-.14	.16	.01	.08	-.03	.38	.48	.13	.48	.32	.04	-.15	1.76
1948	-.03	-.17	.10	.00	.01	.38	.42	.41	.29	.39	.19	.21	2.20
1949	-.17	-.31	.02	-.31	.29	.27	.12	.42	.29	-.38	.37	-.17	0.44
1950	.07	-.17	.24	-.20	.17	.03	.43	.58	.21	.43	.35	.20	2.34
1951	.09	.07	.06	.23	.08	.06	.57	.82	-.08	.36	.27	.18	2.71
1952	.15	-.04	.14	-.02	-.11	.41	.19	.58	.41	.66	-.28	-.02	2.07
1953	.22	-.03	.22	.14	-.24	.46	.47	-.01	.29	.17	.17	-.04	1.82
1954	.04	.32	.22	.00	.16	.47	.55	.63	.67	.37	.26	.16	3.85
1955	.07	-.23	.32	.22	-.08	.27	.34	.29	.29	.57	.43	.29	2.78
1956	.05	.05	.26	.22	.17	.32	.95	.82	.72	.42	.37	.06	4.41
1957	.16	-.02	-.30	-.19	.09	.08	.55	.49	.23	-.09	-.06	.19	1.13

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE H - 12

Lat. 29° to 30° N.

Long. 95° to 96° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.5	1.9	2.8	2.9	4.5	5.2	5.6	6.2	6.1	4.7	2.7	1.9	46.0
1941	2.1	1.8	2.1	2.8	4.3	4.6	5.2	6.0	4.6	4.6	2.9	2.0	43.0
1942	2.2	1.9	2.6	2.4	4.2	5.1	4.5	5.1	5.4	4.5	3.5	2.6	44.0
1943	2.2	2.3	2.7	3.6	4.6	5.1	5.6	5.7	4.0	4.3	3.1	1.8	45.0
1944	1.5	1.7	2.5	3.0	3.6	5.4	5.7	6.0	5.4	4.8	2.5	1.9	44.0
1945	2.2	2.0	2.5	3.5	5.0	4.8	5.3	5.3	5.7	4.1	3.4	2.2	46.0
1946	1.9	1.8	3.1	3.8	3.5	4.7	5.4	5.6	3.7	3.9	2.8	2.8	43.0
1947	1.7	2.2	2.7	3.4	4.0	5.0	5.9	5.2	5.7	4.1	3.1	2.0	45.0
1948	1.9	1.1	2.3	3.8	4.0	6.0	5.7	7.3	5.1	3.9	3.8	2.1	47.0
1949	2.0	1.3	2.1	6.2	3.9	4.4	4.7	5.9	4.9	3.9	2.9	2.8	44.0
1950	1.7	2.0	3.1	2.7	4.5	5.3	5.3	7.2	6.1	5.0	4.7	3.4	51.0
1951	2.3	1.9	3.7	3.5	4.2	5.7	6.6	7.6	4.4	4.8	3.7	2.6	51.0
1952	2.0	2.2	2.9	1.7	2.4	5.4	5.2	6.4	7.1	7.0	4.0	3.7	50.0
1953	2.9	2.2	2.4	3.8	4.0	5.7	6.2	5.4	6.9	5.4	3.4	2.7	51.0
1954	1.8	3.2	3.5	3.8	4.6	6.2	7.1	6.8	5.7	5.0	4.0	4.3	56.0
1955	3.8	2.2	3.9	3.1	4.6	6.2	6.8	6.2	5.2	8.0	5.4	3.6	59.0
1956	2.8	2.8	3.2	3.2	4.1	5.8	6.8	6.3	6.4	5.8	5.5	3.3	56.0
1957	2.9	2.7	3.9	4.1	4.0	4.0	5.1	7.3	5.4	6.1	3.8	3.7	53.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.02	-.04	.13	.12	.25	.18	.27	.46	.29	.13	-.33	-.20	1.28
1941	.02	-.04	-.18	-.17	.06	-.02	.08	.33	-.34	-.27	.12	.02	-0.39
1942	.12	-.10	.06	-.04	.30	.20	-.39	.13	.18	.32	.13	.02	0.93
1943	-.06	.06	.05	.22	.14	.31	-.15	.39	.09	.30	-.18	-.16	1.01
1944	-.46	.04	-.24	.13	-.33	.40	.42	.18	-.12	.32	-.08	-.17	0.09
1945	.02	-.02	.03	-.09	.19	.14	.21	-.30	.33	.03	.22	-.22	0.54
1946	-.22	-.04	.06	.13	-.27	-.02	.15	.22	-.18	.11	-.68	.10	-0.64
1947	-.12	.13	.01	.12	-.17	.25	.36	-.06	.39	.23	-.06	-.13	0.95
1948	-.13	-.15	.07	.20	.07	.40	.36	.33	.18	.28	-.03	.12	1.70
1949	-.12	-.25	-.12	-.01	.26	.28	-.07	.30	.17	-.83	.22	-.42	-0.59
1950	-.07	-.27	.17	-.08	.20	-.02	.18	.50	.33	.40	.29	.17	1.80
1951	-.09	.09	-.04	.22	.03	.34	.36	.51	-.28	.31	.20	.10	1.75
1952	.09	-.41	.08	-.23	-.10	.30	.06	.47	.33	.58	-.15	.02	1.04
1953	.13	-.08	.18	.22	-.31	.16	.36	-.41	.53	.23	-.12	-.14	0.75
1954	-.02	.26	.22	-.01	.17	.46	.35	.43	.36	.00	.20	.24	2.66
1955	-.05	-.18	.28	.06	.17	.38	.20	.01	.03	.59	.35	.13	1.97
1956	-.07	.03	.21	.06	.14	.27	.47	.42	.44	.30	.33	-.02	2.58
1957	.16	.03	-.22	-.11	.14	-.11	.30	.47	-.20	.04	-.13	.22	0.59

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE H - 13

Lat. 29° to 30° N.

Long. 94° to 95° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.4	1.8	2.6	2.7	4.3	5.0	5.4	6.0	5.9	4.5	2.6	1.8	44.0
1941	1.9	1.6	1.8	2.5	3.8	4.0	4.6	5.2	4.1	4.1	2.6	1.8	38.0
1942	2.2	1.8	2.6	2.3	4.1	5.0	4.4	5.0	5.3	4.4	3.4	2.5	43.0
1943	2.2	2.2	2.5	3.4	4.4	4.9	5.3	5.5	3.8	4.1	2.9	1.8	43.0
1944	1.5	1.6	2.4	2.9	3.6	5.3	5.6	5.9	5.3	4.7	2.4	1.8	43.0
1945	2.0	1.9	2.4	3.2	4.7	4.5	4.9	4.9	5.4	3.8	3.2	2.1	43.0
1946	1.8	1.8	3.0	3.7	3.4	4.6	5.2	5.5	3.7	3.9	2.7	2.7	42.0
1947	1.6	2.1	2.5	3.2	3.8	4.8	5.7	5.1	5.5	3.9	2.9	1.9	43.0
1948	1.7	1.0	2.1	3.4	3.7	5.5	5.2	6.8	4.6	3.6	3.5	1.9	43.0
1949	1.9	1.3	2.0	5.9	3.7	4.2	4.5	5.6	4.7	3.7	2.7	1.8	42.0
1950	1.6	1.9	2.9	2.5	4.2	5.0	5.0	6.8	5.8	4.7	4.4	3.2	48.0
1951	2.2	1.8	3.4	3.2	3.9	5.3	6.1	6.9	4.0	4.4	3.4	2.4	47.0
1952	1.9	2.1	2.7	1.6	2.3	5.1	4.9	6.0	6.6	6.6	3.7	3.5	47.0
1953	2.8	2.2	2.4	3.7	3.9	5.6	6.3	5.3	6.7	5.2	3.3	2.6	50.0
1954	1.7	3.1	3.4	3.6	4.5	6.0	6.8	6.6	5.5	4.7	3.9	4.2	54.0
1955	3.3	1.9	3.4	2.8	4.1	5.5	6.0	5.4	4.6	7.0	4.8	3.2	52.0
1956	2.7	2.7	3.0	3.0	4.0	5.6	6.6	6.1	6.2	5.6	5.3	3.2	54.0
1957	2.7	2.5	3.6	3.8	3.7	3.7	4.8	6.7	5.0	5.6	3.5	3.4	49.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.02	-.06	.11	-.02	.29	.14	.27	.25	.28	.23	-.37	-.31	0.83
1941	.00	.00	-.20	-.13	-.17	-.03	-.11	.27	-.41	-.33	.08	.01	-1.02
1942	.08	-.07	.02	-.28	.28	-.05	-.35	-.02	.19	.23	.15	-.01	0.17
1943	-.08	.05	-.07	.17	.12	.25	-.56	.31	-.08	.30	-.13	-.13	0.15
1944	-.43	-.02	-.22	.13	-.30	.38	.40	.11	.10	.22	-.09	-.23	0.05
1945	-.04	-.13	.05	-.17	.27	.00	.16	-.33	.19	-.07	.12	-.29	-0.24
1946	-.30	-.05	.05	.12	-.57	-.21	.03	.23	-.21	.13	-.54	.07	-1.25
1947	-.17	.12	-.06	.16	-.13	.16	.39	.04	.37	.25	-.08	-.12	0.93
1948	-.17	-.16	.08	.14	.10	.35	.31	.35	.22	.27	-.02	.08	1.55
1949	-.19	-.29	-.22	.10	.21	.15	-.11	.27	.13	-.69	.17	-.41	-0.88
1950	.04	-.28	.09	-.26	.16	-.16	.05	.39	.20	.35	.26	.16	1.00
1951	-.18	.07	.00	.22	.17	.33	.22	.48	-.47	.32	.19	-.01	1.34
1952	.05	-.43	.01	-.32	-.02	.33	-.12	.48	.47	.55	-.10	-.04	0.86
1953	.13	-.11	.17	.17	-.24	.17	.22	-.29	.53	.28	-.13	-.16	0.74
1954	-.03	.24	.15	.08	.13	.43	.36	.39	.35	-.01	.17	.26	2.52
1955	-.08	-.18	.26	.03	.06	.30	.22	-.22	.17	.51	.31	.00	1.38
1956	-.08	.04	.11	.07	.13	.30	.49	.38	.43	.28	.28	-.29	2.14
1957	.14	.10	-.18	-.10	.17	-.21	.26	.33	-.15	.15	-.04	.14	0.61

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE I - 7

Lat. 28° to 29° N.

Long. 100° to 101° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.8	3.5	4.6	4.5	5.9	7.2	9.8	10.7	10.0	7.0	3.9	3.1	73.0
1941	2.3	2.1	2.8	4.0	4.6	5.6	8.8	9.8	7.6	6.1	3.8	2.5	60.0
1942	3.1	3.1	5.3	4.4	5.8	8.7	9.3	11.2	7.3	6.3	5.1	3.4	73.0
1943	2.8	3.9	5.9	7.5	9.1	7.7	10.2	12.8	7.2	6.1	4.6	2.2	80.0
1944	3.3	3.2	5.6	7.6	7.1	9.9	13.8	13.6	9.5	8.9	5.0	3.5	91.0
1945	3.5	3.3	4.9	6.4	8.8	11.0	13.2	14.2	12.9	6.7	5.5	4.6	95.0
1946	3.4	3.8	6.1	6.1	5.1	9.0	12.1	12.6	8.6	6.1	5.5	3.6	82.0
1947	2.7	4.2	5.5	6.1	7.4	8.9	12.4	10.7	12.4	9.6	5.4	3.7	89.0
1948	3.6	2.5	5.7	6.9	8.5	10.8	12.1	13.1	10.1	6.2	6.5	4.0	90.0
1949	3.4	2.5	4.4	4.1	6.0	8.7	10.8	10.3	10.5	6.9	5.0	2.4	75.0
1950	2.6	3.0	6.4	5.8	7.5	9.2	13.0	13.0	10.2	8.6	6.1	4.6	90.0
1951	2.5	1.8	3.4	4.0	4.7	9.4	12.4	13.2	13.1	14.0	7.0	5.5	91.0
1952	3.5	4.7	5.0	5.8	7.3	9.2	13.7	14.9	10.8	8.8	5.2	7.1	96.0
1953	4.0	3.6	5.5	9.0	9.7	13.1	16.0	13.6	10.8	6.6	4.7	3.4	100.0
1954	2.8	5.3	6.5	6.3	8.6	10.2	10.7	13.0	11.6	7.4	5.0	4.6	92.0
1955	3.2	3.5	4.6	7.0	8.4	10.2	12.0	11.7	8.5	9.6	5.6	3.7	88.0
1956	2.8	3.3	5.5	6.4	8.9	12.7	14.4	14.9	11.0	9.9	6.5	4.7	101.0
1957	3.8	3.6	6.1	4.7	4.5	7.0	12.7	15.4	10.6	7.5	3.2	2.9	82.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.20	.24	.28	.16	-.06	.28	.75	.58	.82	.47	.24	.15	4.11
1941	-.02	.05	.08	.07	.16	.40	.54	.71	.33	.43	.28	.17	3.20
1942	.22	.15	.38	.16	.21	.66	.49	.65	.18	.48	.40	.23	4.21
1943	.18	.32	.48	.52	.42	.43	.72	1.05	.17	.30	.21	.06	4.86
1944	.17	.19	.38	.61	.20	.66	1.12	.51	.67	.66	.33	.16	5.66
1945	.16	.19	.24	.29	.58	.85	1.07	1.13	.80	.15	.44	.37	6.27
1946	.15	.28	.48	.11	.02	.47	.97	.92	.53	.37	.43	.22	4.95
1947	.06	.33	.37	.35	.32	.42	.98	.67	1.01	.72	.37	.27	5.87
1948	.29	.12	.47	.48	.52	.50	.92	1.05	.49	.26	.47	.31	5.88
1949	.15	-.26	.32	.10	.40	.34	.79	.59	.66	.35	.42	.06	3.92
1950	.18	.16	.53	.43	.32	.48	.87	.84	.54	.71	.50	.38	5.94
1951	.21	.13	.11	.32	.04	.70	1.01	1.07	.87	.94	.57	.43	6.40
1952	.28	.34	.36	.43	.23	.70	1.11	1.23	.89	.73	.31	.48	7.09
1953	.33	.26	.37	.74	.72	1.08	1.32	.80	.69	.37	.38	.24	7.30
1954	.17	.43	.54	.33	.43	.49	.87	.97	.92	.34	.40	.38	6.27
1955	.21	.20	.35	.57	.51	.62	.62	.55	.44	.75	.37	.28	5.47
1956	.21	.25	.46	.53	.67	1.03	1.08	1.12	.82	.63	.53	.38	7.71
1957	.30	.17	.36	-.27	-.17	.44	1.06	1.26	.52	.34	.08	.09	4.18

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE I - 8

Lat. 28° to 29° N.

Long. 99° to 100° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.6	3.3	4.3	4.2	5.5	6.7	9.2	9.8	9.2	6.6	3.7	2.9	68.0
1941	2.2	2.0	2.6	3.8	4.3	5.4	8.3	9.3	7.2	5.8	3.7	2.4	57.0
1942	2.8	2.7	4.7	3.9	5.1	7.7	8.3	10.1	6.5	5.6	4.6	3.0	65.0
1943	2.6	3.7	5.5	7.1	8.6	7.2	9.6	12.0	6.7	5.6	4.4	2.0	75.0
1944	2.8	2.7	4.7	6.5	6.1	8.4	11.7	11.5	8.0	7.5	4.2	2.9	77.0
1945	3.0	2.8	4.2	5.4	7.5	9.4	11.3	12.2	10.8	5.7	4.7	4.0	81.0
1946	3.0	3.3	5.3	5.4	4.5	7.9	10.7	11.1	7.6	5.3	4.8	3.1	72.0
1947	2.4	3.8	5.0	5.6	6.7	8.1	11.3	9.7	11.3	8.8	4.9	3.4	81.0
1948	3.2	2.3	5.1	6.2	7.7	9.7	10.9	11.8	9.1	5.6	5.8	3.6	81.0
1949	3.2	2.3	4.1	3.8	5.6	8.1	10.1	9.7	9.8	6.4	4.7	2.2	70.0
1950	2.2	2.5	5.5	4.9	6.4	7.9	11.1	11.1	8.7	7.6	5.2	3.9	77.0
1951	2.1	1.6	2.9	3.5	4.1	8.1	10.7	11.5	11.4	12.3	6.1	4.7	79.0
1952	3.1	4.2	4.4	5.1	6.4	8.2	12.1	13.2	9.6	7.8	4.6	6.3	85.0
1953	3.6	3.2	5.0	8.1	8.7	11.8	14.4	12.2	9.7	6.0	4.2	3.1	90.0
1954	2.7	5.0	6.2	5.9	8.2	9.7	10.1	12.2	11.0	7.0	4.7	4.3	87.0
1955	3.1	3.4	4.5	6.8	8.2	10.0	11.8	11.4	8.3	9.4	5.5	3.6	86.0
1956	2.5	2.9	4.8	5.5	7.7	11.1	12.6	13.1	9.6	8.6	5.6	4.0	88.0
1957	3.6	3.5	5.8	4.5	4.3	6.8	12.3	14.9	10.2	7.2	3.1	2.8	79.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.18	.14	.20	.17	.08	.01	.70	.57	.75	.40	.20	.06	3.46
1941	.07	-.02	.07	-.07	.08	.06	.53	.72	.36	.37	.27	.13	2.57
1942	.18	.09	.33	.16	.14	.60	.31	.59	-.03	.28	.36	.20	3.21
1943	.13	.30	.41	.54	.48	.33	.68	.98	.32	.36	.20	.07	4.80
1944	.10	.17	.25	.48	.07	.55	.94	.44	.63	.57	.17	.06	4.43
1945	.16	.09	.17	.22	.54	.66	.90	.97	.58	.13	.35	.30	5.07
1946	.10	.25	.38	.10	-.07	.50	.87	.54	.25	.17	.37	.22	3.68
1947	-.01	.31	.36	.38	.22	.36	.89	.57	.92	.63	.32	.22	5.17
1948	.25	.04	.41	.42	.47	.56	.74	.95	.43	.16	.39	.27	5.09
1949	.14	-.03	.25	-.12	.37	.15	.71	.47	.71	.23	.39	-.07	3.20
1950	.16	.09	.44	.29	.13	.38	.76	.78	.43	.63	.43	.33	4.85
1951	.17	.08	.04	.23	-.01	.53	.85	.92	.73	.89	.46	.38	5.27
1952	.25	.26	.22	.37	.21	.54	.97	1.10	.74	.65	.25	.41	5.97
1953	.29	.17	.39	.58	.55	.96	1.18	.60	.55	.17	.33	.19	5.96
1954	.19	.41	.52	.24	.42	.50	.82	.96	.87	.43	.35	.36	6.07
1955	.17	.15	.37	.56	.34	.76	.80	.63	.63	.72	.37	.26	5.76
1956	.17	.21	.40	.42	.63	.87	.87	1.03	.73	.60	.43	.28	6.64
1957	.27	.17	.33	-.13	-.17	.42	1.02	1.21	.39	.31	-.01	.18	3.99

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE I - 9

Lat. 28° to 29° N.

Long. 98° to 99° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.0	2.9	4.2	4.6	6.1	5.8	7.4	9.1	8.0	5.6	3.4	2.9	62.0
1941	2.3	1.9	2.4	3.5	4.4	4.7	7.2	7.9	6.7	5.3	3.6	3.1	53.0
1942	3.0	2.2	4.6	3.7	4.7	6.6	5.6	7.4	5.2	4.8	4.5	3.7	56.0
1943	2.6	3.5	4.3	5.2	6.2	6.7	7.5	9.6	6.0	7.0	3.9	2.5	65.0
1944	2.5	2.1	3.9	5.3	5.6	7.4	10.1	9.4	6.6	6.3	3.6	2.2	65.0
1945	2.9	2.5	4.2	4.4	6.6	7.4	7.7	8.3	8.9	4.7	4.3	3.1	65.0
1946	2.8	2.6	4.8	5.4	5.0	6.6	9.4	9.5	4.9	3.8	3.5	2.7	61.0
1947	2.1	2.8	4.0	4.5	5.6	7.2	9.6	7.8	8.9	6.5	4.5	2.5	66.0
1948	2.9	2.1	3.6	5.3	6.5	8.9	8.4	9.6	6.5	5.5	4.6	3.1	67.0
1949	2.3	2.6	3.8	3.9	5.2	6.8	8.2	8.9	7.8	6.1	4.2	3.2	63.0
1950	2.9	2.8	4.5	5.3	6.2	6.9	8.3	9.5	7.5	6.4	4.9	3.8	69.0
1951	3.6	2.3	4.4	5.2	5.4	6.4	9.2	10.8	7.2	5.8	3.6	3.1	67.0
1952	3.3	3.6	4.5	4.8	7.0	7.0	8.3	10.5	6.9	6.6	3.7	2.8	69.0
1953	3.8	3.0	3.7	5.3	6.6	8.7	10.2	9.7	7.7	4.1	3.6	3.6	70.0
1954	2.7	4.0	4.8	5.0	6.4	8.2	8.8	9.9	9.1	6.6	5.1	4.4	75.0
1955	2.8	3.3	5.1	6.1	7.8	10.5	11.8	10.5	7.5	8.1	5.7	3.8	83.0
1956	2.9	3.5	4.9	5.2	6.5	8.4	10.6	11.1	8.3	6.7	4.8	4.1	77.0
1957	3.6	3.1	4.5	4.4	5.7	6.0	9.8	10.2	8.6	5.3	3.5	3.3	68.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.14	.13	.22	.19	.13	-.07	.52	.53	.63	.29	.14	-.04	2.81
1941	.05	-.02	.02	-.20	-.02	.13	.29	.59	.02	.23	.24	.19	1.52
1942	.21	.02	.35	.14	.18	.49	-.04	.26	-.06	.24	.35	.28	2.42
1943	.12	.28	.26	.38	.25	.28	.50	.77	.14	.52	.14	.13	3.77
1944	-.04	.13	.05	.42	-.02	.43	.78	.38	.48	.46	.10	.04	3.21
1945	.18	.08	.16	.17	.49	.29	.53	.64	.54	.18	.33	.21	3.80
1946	.02	.13	.28	.19	-.08	.33	.75	.38	.13	.01	.27	.16	2.57
1947	-.04	.22	.25	.20	.03	.49	.76	.44	.66	.46	.26	.10	3.83
1948	.19	.00	.24	.33	.44	.55	.54	.73	.37	.25	.27	.21	4.12
1949	.05	.02	.22	-.22	.39	.21	.44	.58	.58	.09	.25	-.02	2.59
1950	.22	.15	.35	.25	.18	.28	.56	.68	.51	.53	.40	.32	4.43
1951	.27	.11	.22	.38	.18	.31	.75	.84	-.02	.34	.21	.25	3.84
1952	.26	.12	.27	.22	.27	.46	.58	.87	.32	.55	.09	.10	4.11
1953	.29	.13	.30	.28	.29	.71	.78	.33	.22	-.05	.29	.22	3.79
1954	.20	.33	.39	.22	.35	.44	.69	.79	.62	.41	.25	.36	5.05
1955	.17	.13	.40	.50	.40	.75	.87	.74	.53	.63	.38	.28	5.78
1956	.21	.25	.40	.41	.41	.65	.81	.86	.61	.39	.34	.21	5.55
1957	.28	.16	.22	.02	-.01	.39	.82	.81	.32	.20	-.07	.17	3.31

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE I - 10

Lat. 28° to 29° N.

Long. 97° to 98° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.7	2.8	3.9	4.1	5.4	5.6	6.3	7.5	6.9	4.6	3.4	2.8	55.0
1941	2.4	2.1	2.3	3.0	4.2	3.9	6.3	6.3	6.0	4.6	3.3	3.6	48.0
1942	2.0	2.1	3.9	3.1	4.1	4.8	3.7	5.3	4.3	4.6	4.6	3.5	47.0
1943	2.7	3.2	3.7	4.5	5.1	5.1	6.4	8.0	5.6	6.9	3.6	2.2	57.0
1944	1.7	1.9	3.2	4.0	4.3	5.8	7.7	7.2	5.0	4.8	2.4	2.0	50.0
1945	3.1	2.6	3.8	3.6	5.4	6.0	5.9	6.2	7.5	4.4	4.4	3.1	56.0
1946	2.8	2.1	3.8	4.3	4.6	5.1	7.2	7.3	4.2	3.5	3.5	2.6	51.0
1947	1.8	2.5	3.0	3.0	4.2	5.9	7.7	6.0	7.3	5.1	4.3	2.2	53.0
1948	2.6	2.0	2.7	3.7	4.9	6.9	7.0	8.2	5.3	5.6	4.4	2.7	56.0
1949	2.2	2.3	3.4	3.4	4.1	5.9	5.9	6.9	6.2	5.3	4.2	3.2	53.0
1950	3.0	2.3	3.7	5.5	5.2	5.7	6.3	8.0	6.1	5.7	4.5	4.0	60.0
1951	3.7	2.2	4.1	4.8	4.8	5.4	7.7	10.3	6.2	5.2	3.5	3.1	61.0
1952	3.3	3.5	4.2	4.4	6.5	6.0	6.7	8.8	5.6	5.9	3.4	2.7	61.0
1953	3.3	2.5	3.0	4.2	4.9	6.6	8.1	8.2	7.2	2.7	3.5	3.8	58.0
1954	2.6	3.6	4.3	4.6	5.4	7.3	7.5	8.1	8.0	5.9	4.6	4.1	66.0
1955	2.5	3.2	4.6	4.8	7.0	10.2	11.8	9.9	6.4	7.6	6.1	3.9	78.0
1956	3.3	4.3	5.2	4.6	5.5	7.0	9.9	11.0	7.5	6.3	5.0	4.4	74.0
1957	4.0	3.1	3.9	3.7	5.8	4.8	8.1	8.4	7.9	5.2	4.4	3.7	63.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.09	.08	.22	.29	.24	-.18	.33	.39	.49	-.07	-.04	-.13	1.71
1941	.08	-.06	-.05	-.19	-.22	.02	.14	.24	.14	-.04	.17	.13	0.36
1942	.21	-.05	.23	.13	.23	.26	-.63	-.09	-.02	.20	.29	.22	0.98
1943	.06	.20	.10	.32	-.01	.15	.26	.63	.17	.50	-.05	-.02	2.31
1944	-.16	.10	-.06	.31	-.21	.37	.59	.13	.17	.38	-.05	-.01	1.56
1945	.18	.12	.08	-.01	.31	.19	.33	.26	.49	.15	.35	.13	2.58
1946	-.03	-.13	.20	.15	.07	.01	.41	.13	-.13	-.20	.13	.13	0.74
1947	-.08	.19	.13	-.04	-.15	.34	.54	.25	.57	.34	.13	-.01	2.21
1948	.08	-.03	.10	.14	.13	.45	.45	.42	.17	.32	.25	.20	2.68
1949	-.01	-.02	.17	-.31	.23	.32	.05	.43	.40	-.08	.33	-.01	1.50
1950	.18	.11	.27	.19	.33	.21	.35	.50	.39	.45	.37	.32	3.67
1951	.22	.11	.13	.33	-.01	.13	.61	.83	-.19	.31	.08	.23	2.78
1952	.24	.08	.23	.16	.09	.41	.27	.70	-.25	.49	-.11	.09	2.40
1953	.23	.05	.22	.22	.04	.53	.63	.16	.44	-.17	.26	.17	2.78
1954	.15	.29	.33	.15	.27	.39	.57	.61	.52	.28	.26	.30	4.12
1955	.12	.06	.36	.37	.33	.74	.78	.50	.23	.53	.40	.27	4.69
1956	.17	.30	.35	.24	.22	.52	.78	.82	.49	.28	.36	.13	4.66
1957	.30	.10	-.11	-.30	-.02	.13	.67	.57	.09	.24	-.09	.23	1.81

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE I - 11

Lat. 28° to 29° N.

Long. 96° to 97° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.5	2.5	3.5	3.7	4.8	5.0	5.6	6.6	6.2	4.1	3.0	2.5	49.0
1941	2.2	2.0	2.1	2.8	3.9	3.6	5.9	5.9	5.7	4.4	3.1	3.4	45.0
1942	2.9	2.0	3.9	3.0	4.0	4.7	3.6	5.2	4.2	4.6	4.5	3.4	46.0
1943	2.4	2.8	3.2	4.0	4.5	4.5	5.6	7.0	4.9	6.0	3.1	2.0	50.0
1944	1.6	1.8	3.1	3.8	4.1	5.6	7.3	6.9	4.8	4.7	2.4	1.9	48.0
1945	2.7	2.2	3.3	3.1	4.6	5.1	5.1	5.3	6.4	3.7	3.8	2.7	48.0
1946	2.6	1.9	3.5	3.9	4.3	4.7	6.7	6.7	3.9	3.2	3.2	2.4	47.0
1947	1.6	2.3	2.7	2.7	3.8	5.4	7.0	5.4	6.6	4.6	3.9	2.0	48.0
1948	2.3	1.8	2.4	3.2	4.3	6.0	6.1	7.2	4.6	4.8	3.9	2.4	49.0
1949	1.9	2.0	2.9	3.0	3.7	5.3	5.3	6.1	5.5	4.7	3.7	2.9	47.0
1950	2.6	2.1	3.3	4.9	4.6	5.0	5.6	7.0	5.4	5.0	4.0	3.5	53.0
1951	3.4	2.0	3.7	4.3	4.3	4.8	7.0	9.3	5.6	4.7	3.1	2.8	55.0
1952	2.9	3.0	3.7	3.9	5.7	5.2	5.8	7.7	4.8	5.1	2.9	2.3	53.0
1953	3.1	2.4	2.8	4.0	4.7	6.2	7.6	7.8	6.9	2.6	3.3	3.6	55.0
1954	2.3	3.1	3.7	3.9	4.7	6.3	6.5	7.0	6.9	5.1	4.0	3.5	57.0
1955	2.1	2.7	4.0	4.2	6.0	8.8	10.2	8.5	5.5	6.5	5.2	3.3	67.0
1956	3.0	3.8	4.6	4.1	4.9	6.3	8.8	9.8	6.7	5.6	4.4	4.0	66.0
1957	3.8	2.9	3.7	3.4	5.5	4.5	7.5	7.9	7.4	4.8	4.1	3.5	59.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.01	-.01	.17	.23	.30	.18	.28	.43	.38	-.25	-.14	-.15	1.43
1941	-.01	-.08	-.11	-.13	-.08	.09	.07	.28	.06	-.30	.12	.09	0.00
1942	.18	-.18	.18	.16	.28	.18	-.48	.12	.07	.20	.26	.14	1.11
1943	-.06	.08	.08	.27	.16	.28	.18	.52	.08	.46	-.06	-.13	1.86
1944	-.37	.08	-.23	.27	-.21	.41	.53	.30	-.05	.33	.02	-.07	1.01
1945	.15	.06	.03	-.14	.33	.14	.18	-.49	.43	.11	.28	.02	1.10
1946	-.09	-.02	.08	.11	.10	-.04	.24	.12	-.23	-.16	-.09	.12	0.14
1947	-.05	.14	.09	-.03	-.20	.37	.51	.13	.43	.23	-.01	-.12	1.49
1948	-.07	-.17	.08	.16	.14	.42	.42	.41	.03	.38	.18	.18	2.16
1949	.02	-.19	.03	-.28	.26	.33	.18	.36	.18	-.70	.29	-.16	0.32
1950	.08	-.02	.23	.08	.24	.19	.31	.38	.28	.41	.28	.21	2.67
1951	.13	.12	.01	.28	-.06	.25	.46	.74	-.28	.17	.16	.18	2.16
1952	.17	-.12	.18	.04	.14	.31	.21	.50	-.12	.42	-.24	-.01	1.48
1953	.19	-.03	.20	.32	-.28	.20	.59	-.28	.48	-.04	.17	.06	1.58
1954	.12	.75	.25	.15	.24	.40	.52	.48	.41	-.03	.25	.20	3.27
1955	-.06	.03	.32	.20	.22	.57	.68	.28	-.02	.44	.38	.18	3.22
1956	.00	.23	.30	.18	.32	.34	.68	.68	.47	.37	.26	.14	3.97
1957	.28	-.02	-.21	-.24	.01	.10	.57	.52	.18	.08	.03	.23	1.53

NOTE : Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE J - 8

Lat. 27° to 28° N.

Long. 99° to 100° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.4	3.1	4.9	5.6	7.5	6.4	9.4	12.0	10.0	7.2	3.4	3.1	75.0
1941	2.9	2.1	3.3	5.1	6.1	7.1	10.2	12.1	9.4	7.6	5.0	3.1	74.0
1942	3.3	2.6	6.0	4.9	6.1	10.0	9.3	11.5	6.9	5.4	4.6	4.4	75.0
1943	2.9	4.4	5.8	6.8	8.6	9.8	10.0	13.2	7.2	8.2	4.8	3.3	85.0
1944	3.8	2.4	5.2	7.8	8.2	10.0	14.6	13.3	9.6	8.9	5.6	2.6	92.0
1945	3.2	2.8	5.9	6.8	10.4	11.6	12.4	13.7	13.1	6.3	4.9	3.9	95.0
1946	3.3	3.8	7.1	7.9	6.0	10.0	14.0	14.2	6.7	4.9	4.0	3.1	85.0
1947	2.8	3.5	5.6	7.1	8.2	9.5	13.1	11.2	11.8	9.1	5.0	3.1	90.0
1948	3.7	2.7	5.4	8.5	9.9	13.2	11.6	12.8	9.1	6.1	5.1	3.9	92.0
1949	2.5	3.2	4.5	4.5	6.7	8.0	11.5	11.7	10.0	7.3	4.2	2.9	77.0
1950	3.3	4.1	6.5	5.9	8.9	10.0	12.8	13.6	11.0	8.4	6.4	4.1	95.0
1951	4.2	4.2	5.6	7.7	7.7	10.2	12.8	12.8	9.5	6.9	4.8	4.6	91.0
1952	4.3	4.7	6.1	6.6	9.6	10.5	11.9	14.7	9.6	8.5	4.9	3.6	95.0
1953	5.2	4.4	5.4	7.4	9.2	12.5	14.5	12.5	8.9	6.4	5.1	3.5	95.0
1954	3.0	4.8	6.2	6.1	8.8	10.0	11.9	12.9	9.5	8.2	5.9	5.7	93.0
1955	3.6	3.5	6.2	7.6	9.0	10.7	11.6	10.9	7.4	8.6	5.1	3.8	88.0
1956	3.2	4.2	6.1	6.2	9.3	11.3	14.3	13.6	10.6	9.6	6.8	4.8	100.0
1957	3.6	4.0	6.5	5.9	8.1	9.7	14.8	14.2	11.2	7.8	3.9	4.3	94.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.15	.23	.22	.42	.42	.08	.65	.80	.78	.26	.19	.11	4.31
1941	.13	-.02	.15	.13	.08	-.06	.80	.97	.43	.56	.35	.19	3.71
1942	.23	.12	.49	.33	.25	.80	.15	.81	.22	.28	.38	.32	4.38
1943	.08	.37	.41	.54	.58	.67	.62	1.10	.22	.58	.33	.11	5.61
1944	.24	.17	.32	.60	.24	.68	1.18	.77	.64	.74	.37	.10	6.05
1945	.22	.11	.44	.36	.81	.88	.91	1.05	1.01	.32	.38	.30	6.79
1946	.13	.30	.56	.52	.14	.64	1.12	1.00	.23	-.04	.33	.23	5.16
1947	.08	.29	.46	.28	.35	.59	1.04	.49	.98	.62	.24	.19	5.61
1948	.29	.09	.38	.63	.69	.99	.90	1.03	.41	.28	.32	.32	6.33
1949	.12	.09	.28	-.21	.48	.30	.74	.83	.72	.36	.35	.08	4.14
1950	.27	.25	.51	.42	.25	.63	1.03	1.09	.69	.69	.47	.34	6.64
1951	.35	.32	.32	.58	.39	.66	1.05	1.03	.28	.51	.36	.37	6.22
1952	.35	.35	.36	.52	.54	.58	.91	1.23	.75	.71	.33	.25	6.88
1953	.43	.28	.40	.51	.62	1.01	1.18	.63	.47	.30	.42	.23	6.48
1954	.22	.38	.49	.35	.47	.47	.93	.99	.70	.52	.42	.47	6.41
1955	.24	.18	.51	.60	.62	.84	.91	.72	.37	.65	.29	.30	6.23
1956	.25	.31	.50	.37	.58	.90	1.05	1.08	.82	.62	.57	.37	7.42
1957	.28	.19	.46	.23	.41	.71	1.23	1.16	.63	.58	.11	.24	6.23

NOTE; Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE J - 9

Lat. 27° to 28° N.

Long. 98° to 99° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.0	2.6	4.0	4.6	6.1	5.2	7.6	9.8	8.1	5.8	2.7	2.5	61.0
1941	2.3	1.7	2.6	4.0	4.7	5.6	8.0	9.4	7.4	6.0	3.9	2.4	58.0
1942	2.6	2.1	4.8	4.0	4.9	8.0	7.4	9.2	5.5	4.3	3.7	3.5	60.0
1943	2.3	3.5	4.5	5.4	6.8	7.7	7.9	10.4	5.7	6.4	3.8	2.6	67.0
1944	2.8	1.8	3.9	5.9	6.1	7.5	11.0	10.0	7.2	6.7	4.2	1.9	69.0
1945	2.3	2.1	4.2	4.9	7.4	8.3	8.8	9.8	9.4	4.5	3.5	2.8	68.0
1946	2.5	2.8	5.2	5.8	4.5	7.4	10.4	10.5	5.0	3.6	3.0	2.3	63.0
1947	2.1	2.7	4.3	5.4	6.3	7.3	10.1	8.5	9.1	7.0	3.8	2.4	69.0
1948	2.8	2.0	4.1	6.4	7.5	10.1	8.8	9.7	7.0	4.7	3.9	3.0	70.0
1949	2.0	2.5	3.6	3.7	5.4	6.4	9.2	9.4	8.1	5.9	3.4	2.4	62.0
1950	2.5	3.0	4.8	4.3	6.6	7.3	9.5	10.0	8.1	6.2	4.7	3.0	70.0
1951	3.2	3.2	4.3	5.9	5.9	7.8	9.9	9.9	7.3	5.3	3.7	3.6	70.0
1952	3.2	3.5	4.5	4.9	7.2	7.8	8.9	11.0	7.2	6.4	3.7	2.7	71.0
1953	4.1	3.4	4.2	5.7	7.1	9.6	11.1	9.5	6.8	4.9	3.9	2.7	73.0
1954	2.4	3.9	5.0	4.9	7.2	8.1	9.6	10.4	7.6	6.6	4.7	4.6	75.0
1955	3.4	3.3	5.8	7.1	8.5	10.1	11.0	10.3	7.0	8.1	4.8	3.6	83.0
1956	2.6	3.4	4.9	5.0	7.4	9.0	11.4	10.9	8.5	7.7	5.4	3.8	80.0
1957	2.9	3.2	5.2	4.7	6.4	7.7	11.8	11.3	9.0	6.3	3.1	3.4	75.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.12	.19	.14	.35	.40	.03	.48	.60	.56	.22	.11	.06	3.26
1941	.10	-.12	.04	-.05	-.25	-.13	.57	.72	.31	.35	.25	.02	1.81
1942	.12	.00	.38	.22	.24	.52	-.08	.45	.26	.08	.30	.27	2.76
1943	-.02	.28	.28	.42	.32	.52	.47	.86	.02	.44	.15	.02	3.76
1944	.14	.12	.19	.47	.04	.48	.87	.48	.34	.54	.25	.04	3.96
1945	.14	.08	.28	.09	.57	.58	.64	.64	.66	.22	.27	.18	4.35
1946	-.01	.20	.38	.24	.08	.38	.83	.72	.16	-.17	.23	.16	3.20
1947	.02	.23	.33	.27	.13	.48	.79	.19	.73	.49	.09	.10	3.85
1948	.20	.02	.26	.43	.42	.69	.67	.71	.19	.18	.22	.24	4.23
1949	.08	.01	.20	-.19	.38	.37	.63	.64	.56	.02	.28	.06	3.04
1950	.18	.18	.35	.24	.08	.41	.75	.78	.48	.51	.32	.25	4.53
1951	.26	.24	.17	.42	.25	.44	.80	.79	-.22	.30	.25	.29	3.99
1952	.25	.26	.32	.37	.35	.39	.66	.91	.48	.53	.18	.16	4.79
1953	.33	.18	.31	.37	.46	.79	.89	.19	.23	.08	.32	.15	4.30
1954	.18	.30	.38	.20	.36	.25	.75	.77	.48	.39	.32	.37	4.75
1955	.23	.18	.47	.57	.59	.79	.83	.62	-.10	.53	.27	.26	5.24
1956	.20	.23	.38	.22	.43	.65	.82	.78	.66	.45	.43	.27	5.52
1957	.23	.12	.33	.08	.30	.34	.97	.92	.38	.44	-.01	.18	4.28

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE J - 10

Lat. 27° to 28° N.

Long. 97° to 98° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	1.7	2.8	3.8	4.0	5.2	5.5	6.2	7.4	6.8	4.5	3.4	2.7	54.0
1941	2.3	2.1	2.2	2.9	4.1	3.8	6.2	6.2	5.9	4.6	3.2	3.5	47.0
1942	3.0	2.1	4.0	3.1	4.2	4.9	3.8	5.4	4.4	4.8	4.7	3.6	48.0
1943	2.6	3.2	3.6	4.4	5.1	5.1	6.3	7.8	5.5	6.7	3.5	2.2	56.0
1944	1.6	1.9	3.1	3.9	4.2	5.7	7.5	7.1	4.9	4.8	2.4	1.9	49.0
1945	3.1	2.6	3.8	3.6	5.4	6.0	5.9	6.2	7.5	4.4	4.4	3.1	56.0
1946	2.5	2.0	3.6	4.1	4.5	4.9	7.0	7.0	4.1	3.4	3.4	2.5	49.0
1947	1.7	2.4	2.9	2.9	4.0	5.7	7.5	5.8	7.0	4.9	4.1	2.1	51.0
1948	2.6	2.0	2.7	3.7	4.9	6.9	7.0	8.2	5.3	5.6	4.4	2.7	56.0
1949	2.0	2.1	3.1	3.1	3.8	5.5	5.5	6.4	5.7	4.9	3.9	3.0	49.0
1950	2.8	2.2	3.5	5.3	4.9	5.4	6.0	7.6	5.8	5.4	4.3	3.8	57.0
1951	3.6	2.1	4.0	4.6	4.6	5.2	7.5	10.0	6.0	5.0	3.4	3.0	59.0
1952	3.1	3.2	3.9	4.2	6.1	5.6	6.3	8.3	5.2	5.5	3.1	2.5	57.0
1953	3.1	2.4	2.9	4.0	4.8	6.4	7.8	8.0	7.0	2.6	3.4	3.6	56.0
1954	2.4	3.2	3.8	4.1	4.8	6.5	6.7	7.3	7.1	5.3	4.1	3.7	59.0
1955	2.5	3.2	4.6	4.8	7.0	10.2	11.8	9.9	6.4	7.6	6.1	3.9	78.0
1956	3.2	4.1	4.9	4.4	5.3	6.7	9.5	10.6	7.2	6.0	4.8	4.3	71.0
1957	4.1	3.1	4.0	3.7	5.9	4.9	8.2	8.6	8.0	5.2	4.5	3.8	64.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.08	.17	.20	.32	.18	.08	.32	.51	.28	.12	.15	.04	2.45
1941	.08	-.20	-.02	-.37	-.44	.00	.28	.44	.38	.08	.22	.05	0.50
1942	.18	-.12	.25	.22	.23	.21	-.52	.05	.13	.21	.32	.28	1.44
1943	-.02	.17	.17	.35	.08	.33	.47	.63	-.07	.45	.09	-.07	2.58
1944	.00	.12	.07	.28	-.03	.41	.55	-.01	.08	.37	.06	.00	1.90
1945	.18	.05	.12	-.01	.27	.23	.36	.13	.47	.15	.34	.14	2.43
1946	-.08	.06	.20	.10	-.01	.07	.42	.39	-.18	-.06	.23	.15	1.29
1947	.00	.19	.15	.01	-.08	.34	.46	.08	.48	.34	-.12	.02	1.87
1948	.13	.00	.07	.20	.24	.43	.51	.44	-.04	.32	.31	.21	2.82
1949	.07	-.05	.17	-.18	.22	.28	.14	.38	.21	-.06	.33	.09	1.60
1950	.12	.01	.25	.28	.08	.28	.34	.58	.34	.45	.36	.32	3.41
1951	.28	.13	.11	.33	.26	.28	.61	.82	-.44	.33	.18	.21	3.10
1952	.24	.23	.29	.14	.31	.43	.27	.69	-.16	.46	.04	.13	3.07
1953	.23	.10	.22	.27	.27	.52	.57	-.49	.50	-.24	.26	.19	2.40
1954	.18	.26	.27	.12	.27	.22	.54	.52	.32	.08	.31	.28	3.37
1955	.14	.18	.38	.39	.49	.77	.89	.72	-.38	.48	.41	.27	4.74
1956	.22	.27	.37	-.09	.18	.52	.70	.78	.56	.24	.32	.28	4.35
1957	.32	.12	.17	.08	-.04	.07	.68	.61	.40	.38	.06	.26	3.11

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE K - 8

Lat. 26° to 27° N.

Long. 99° to 100° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	3.4	4.4	4.3	5.6	6.8	7.4	8.7	11.5	8.8	7.6	5.5	4.0	78.0
1941	3.4	3.3	3.0	5.1	5.8	6.2	10.4	11.1	8.9	7.8	6.3	3.7	75.0
1942	3.5	2.8	5.0	5.2	6.6	7.3	8.9	9.3	8.2	7.1	6.1	5.0	75.0
1943	3.7	4.9	5.3	6.9	7.7	9.5	12.6	13.0	7.8	7.7	4.6	3.3	87.0
1944	4.0	4.6	5.9	7.0	7.9	9.3	12.5	12.3	9.9	8.9	5.9	4.8	93.0
1945	4.1	4.9	6.2	6.9	9.9	11.0	12.4	11.3	12.2	9.2	7.8	6.1	102.0
1946	3.6	3.6	6.0	6.0	7.0	8.5	12.2	11.2	7.6	7.3	6.5	4.5	84.0
1947	3.7	4.3	5.7	6.2	8.0	10.9	12.3	9.3	11.4	9.4	6.9	2.9	91.0
1948	4.2	2.8	6.2	8.5	7.3	10.4	11.1	12.6	8.8	8.1	8.9	5.1	94.0
1949	3.8	2.4	4.1	4.4	6.7	8.7	10.6	10.5	8.2	7.8	6.6	4.2	78.0
1950	5.9	5.4	7.0	7.7	11.6	9.9	14.3	15.9	11.4	9.6	9.1	6.2	114.0
1951	6.3	6.1	7.2	7.4	8.3	10.1	13.7	11.4	11.1	10.3	7.0	6.1	105.0
1952	5.5	6.4	6.3	8.3	9.0	9.9	10.9	14.7	12.3	11.1	6.1	4.5	105.0
1953	5.3	4.4	5.9	7.3	8.0	11.6	12.5	11.9	11.0	7.9	6.5	4.7	97.0
1954	3.7	4.9	5.4	6.0	7.3	9.6	11.1	12.7	9.9	8.0	6.5	6.9	92.0
1955	4.0	4.9	7.2	6.3	7.3	10.0	11.4	12.0	6.9	9.8	7.6	4.6	92.0
1956	5.5	4.6	5.4	6.4	8.3	10.3	13.3	14.9	9.9	10.6	9.6	6.2	105.0
1957	5.2	4.7	6.0	6.0	7.0	8.0	13.2	13.0	11.2	10.4	6.9	5.4	97.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.26	.32	.13	.47	.36	.28	.67	.86	.70	.40	.40	.15	5.00
1941	.09	.18	.13	.20	.23	-.07	.77	.88	.31	.57	.49	.22	4.00
1942	.26	.18	.40	.41	.43	.44	.48	.68	.27	.34	.51	.39	4.79
1943	.15	.37	.38	.54	.57	.68	.88	1.08	.27	.47	.30	.12	5.81
1944	.29	.37	.34	.57	.47	.63	.98	.55	.75	.73	.41	.33	6.42
1945	.23	.31	.39	.33	.79	.84	.92	.83	.70	.61	.64	.49	7.28
1946	.20	.29	.49	.39	.24	.55	.98	.78	.37	.32	.53	.36	5.50
1947	.24	.36	.47	.18	.54	.69	1.01	.32	.95	.67	.45	.17	6.05
1948	.35	-.01	.39	.62	.43	.69	.91	.93	.12	.48	.71	.42	6.04
1949	.27	.05	.33	.02	.46	.55	.71	.86	.57	.34	.53	.28	4.97
1950	.49	.42	.53	.59	.78	.75	1.17	1.31	.80	.78	.70	.52	8.84
1951	.52	.50	.48	.55	.52	.66	1.12	.82	.23	.77	.57	.49	7.23
1952	.46	.52	.50	.67	.58	.56	.86	1.23	.96	.92	.43	.35	8.04
1953	.44	.30	.34	.57	.61	.95	.98	.61	.69	.27	.54	.34	6.64
1954	.29	.40	.43	.25	.41	.59	.90	.98	.68	.37	.42	.57	6.29
1955	.27	.36	.59	.52	.52	.77	.88	.82	.34	.74	.52	.37	6.70
1956	.41	.37	.45	.43	.48	.84	1.08	1.13	.75	.75	.79	.51	7.99
1957	.42	.16	.41	.22	.34	.45	1.10	1.05	.78	.82	.37	.40	6.52

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE K - 9

Lat. 26° to 27° N. Long. 98° to 99° W.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.8	3.7	3.5	4.6	5.6	6.1	7.1	9.4	7.2	6.2	4.5	3.3	64.0
1941	2.8	2.6	2.4	4.1	4.6	5.0	8.3	8.9	7.1	6.2	5.1	2.9	60.0
1942	2.8	2.2	4.0	4.2	5.3	5.8	7.1	7.4	6.6	5.7	4.9	4.0	60.0
1943	3.0	3.9	4.2	5.5	6.1	7.5	9.9	10.3	6.2	6.1	3.7	2.6	69.0
1944	3.0	3.4	4.5	5.3	5.9	7.0	9.4	9.2	7.4	6.7	4.5	3.7	70.0
1945	2.8	3.4	4.3	4.8	6.9	7.7	8.6	7.9	8.5	6.4	5.4	4.3	71.0
1946	2.8	2.8	4.8	4.7	5.5	6.7	9.6	8.9	5.9	5.7	5.1	3.5	66.0
1947	2.9	3.3	4.4	4.8	6.2	8.4	9.5	7.1	8.7	7.2	5.3	2.2	70.0
1948	3.1	2.1	4.7	6.4	5.5	7.9	8.4	9.5	6.7	6.1	6.8	3.8	71.0
1949	3.2	2.0	3.4	3.7	5.6	7.3	8.8	8.7	6.8	6.5	5.5	3.5	65.0
1950	3.6	3.3	4.3	4.8	7.1	6.1	8.7	9.8	7.0	5.9	5.6	3.8	70.0
1951	4.8	4.6	5.5	5.6	6.3	7.7	10.4	8.7	8.5	7.9	5.4	4.6	80.0
1952	4.2	4.9	4.8	6.3	6.9	7.5	8.3	11.2	9.4	8.5	4.6	3.4	80.0
1953	4.1	3.4	4.6	5.6	6.2	9.0	9.7	9.2	8.5	6.1	5.0	3.6	75.0
1954	3.0	4.0	4.4	4.9	6.0	7.8	9.1	10.4	8.0	6.5	5.3	5.6	75.0
1955	3.7	4.5	6.6	5.8	6.8	9.3	10.5	11.1	6.4	9.0	7.0	4.3	85.0
1956	4.6	3.9	4.5	5.3	6.9	8.6	11.2	12.5	8.3	8.9	8.1	5.2	88.0
1957	4.2	3.7	4.8	4.8	5.6	6.5	10.6	10.5	9.0	8.3	5.6	4.4	78.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.22	.29	-.02	.38	.34	.25	.38	.70	.47	.34	.28	-.06	3.57
1941	-.05	.07	-.04	-.01	-.12	-.05	.64	.64	.21	.37	.37	.05	2.08
1942	.13	.10	.32	.33	.30	.09	.44	.49	.34	.23	.39	.31	3.47
1943	.06	.29	.28	.42	.21	.58	.77	.85	.02	.38	.10	.10	4.06
1944	.20	.26	.21	.43	.22	.38	.64	.27	.38	.50	.32	.24	4.05
1945	.11	.20	.34	.03	.53	.51	.69	.42	.54	.30	.43	.33	4.43
1946	.02	.20	.39	.23	.22	.27	.78	.66	.12	.30	.40	.28	3.87
1947	.16	.25	.34	.19	.28	.65	.75	-.01	.71	.56	.28	.09	4.25
1948	.22	-.05	.28	.49	.21	.55	.62	.68	.01	.28	.54	.32	4.15
1949	.19	-.02	.24	.08	.37	.51	.58	.68	.36	.25	.44	.21	3.89
1950	.26	.22	.28	.32	.22	.42	.72	.78	.42	.43	.46	.32	4.85
1951	.38	.37	.40	.42	.31	.41	.84	.58	.12	.51	.42	.37	5.13
1952	.34	.38	.38	.49	.36	.38	.57	.93	.59	.71	.32	.23	5.68
1953	.31	.21	.29	.38	.47	.74	.75	.30	.59	.14	.40	.24	4.82
1954	.23	.23	.34	.06	.36	.30	.72	.76	.42	-.03	.38	.44	4.31
1955	.24	.32	.54	.47	.51	.75	.67	.71	-.18	.65	.52	.32	5.52
1956	.38	.28	.36	.31	.43	.62	.92	.90	.58	.59	.64	.41	6.42
1957	.34	.09	.26	.16	.33	.19	.88	.86	.58	.67	.26	.35	4.97

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.

QUADRANGLE K - 10

Lat. 26° to 27° N.

Long. 97° to 98° W.

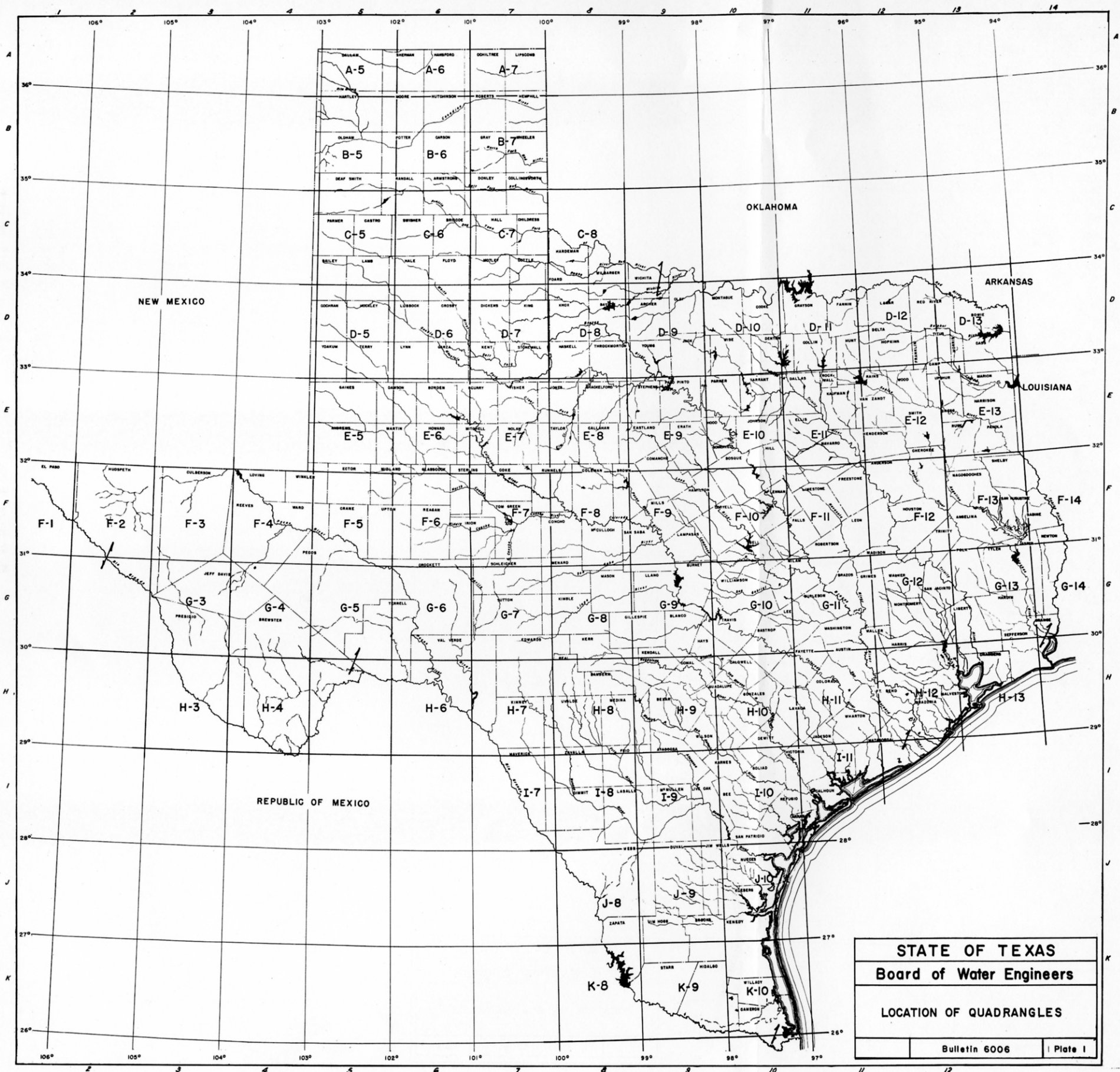
GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	2.4	3.2	3.0	4.0	4.8	5.2	6.1	8.1	6.2	5.3	3.9	2.8	55.0
1941	2.1	2.0	1.8	3.1	3.4	3.7	6.3	6.7	5.3	4.6	3.8	2.2	45.0
1942	2.2	1.7	3.1	3.3	4.2	4.6	5.6	5.8	5.1	4.5	3.8	3.1	47.0
1943	2.4	3.2	3.5	4.5	5.1	6.2	8.2	8.5	5.1	5.0	3.1	2.2	57.0
1944	2.1	2.4	3.1	3.7	4.2	4.9	6.6	6.5	5.2	4.7	3.1	2.5	49.0
1945	2.3	2.7	3.5	3.9	5.6	6.2	6.9	6.3	6.8	5.1	4.3	3.4	57.0
1946	2.1	2.1	3.4	3.4	4.0	4.9	7.0	6.4	4.3	4.2	3.7	2.5	48.0
1947	2.0	2.3	3.0	3.3	4.2	5.8	6.5	4.9	6.0	4.9	3.6	1.5	48.0
1948	2.5	1.7	3.8	5.1	4.4	6.3	6.7	7.7	5.4	4.9	5.4	3.1	57.0
1949	2.4	1.5	2.5	2.7	4.2	5.4	6.5	6.4	5.0	4.8	4.0	2.6	48.0
1950	3.0	2.7	3.5	4.0	5.9	5.1	7.3	8.1	5.8	4.9	4.6	3.1	58.0
1951	3.5	3.3	4.0	4.1	4.6	5.6	7.5	6.3	6.2	5.7	3.9	3.3	58.0
1952	2.9	3.4	3.3	4.3	4.7	5.2	5.7	7.7	6.4	5.8	3.2	2.4	55.0
1953	3.0	2.5	3.4	4.1	4.6	6.6	7.1	6.8	6.2	4.5	3.7	2.5	55.0
1954	2.3	3.1	3.4	3.8	4.6	6.1	7.0	8.0	6.2	5.1	4.1	4.3	58.0
1955	3.4	4.1	6.0	5.2	6.1	8.4	9.6	10.0	5.8	8.2	6.4	3.8	77.0
1956	3.5	3.0	3.4	4.1	5.4	6.7	8.6	9.7	6.4	6.9	6.3	4.0	68.0
1957	3.5	3.1	4.0	4.0	4.7	5.4	8.9	8.7	7.5	7.0	4.6	3.6	65.0

NET RESERVOIR EVAPORATION RATES IN FEET

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1940	.18	.24	-.09	.32	.13	.23	.36	.58	.33	.27	.15	-.34	2.36
1941	-.26	.05	-.21	-.01	-.21	-.36	.48	.43	.14	.01	.26	-.02	0.30
1942	.09	.04	.23	.24	.18	-.16	.31	.35	.18	.20	.23	.23	2.12
1943	.07	.25	.23	.36	-.01	.47	.64	.68	-.14	.28	.00	-.10	2.73
1944	.13	.18	.09	.25	-.12	.28	.39	.05	.00	.15	.18	.08	1.66
1945	-.02	.10	.28	.20	.32	.39	.46	.02	.41	.07	.31	.25	2.79
1946	-.13	.08	.27	.00	.22	.14	.57	.40	-.23	.02	.26	.18	1.78
1947	.11	.14	.22	.12	.04	.42	.42	-.22	.40	.37	.08	.02	2.12
1948	.11	-.06	.26	.41	.18	.47	.43	.40	-.15	.19	.42	.26	2.92
1949	.13	-.11	.15	.05	.22	.31	.36	.40	-.19	.30	.32	.03	1.97
1950	.19	.19	.17	.27	.18	.12	.58	.63	.29	.26	.32	.26	3.46
1951	.27	.20	.21	.30	.16	.23	.55	.32	.07	.22	.27	.27	3.07
1952	.22	.26	.26	.32	.10	.10	.37	.62	.17	.45	.05	.13	3.05
1953	.23	.14	.24	.30	.33	.54	.51	-.03	.49	.08	.22	.13	3.18
1954	.18	.26	.25	.09	.32	.28	.54	.53	.23	-.15	.21	.34	3.08
1955	.22	.30	.49	.41	.39	.69	.49	.63	-.42	.50	.43	.29	4.42
1956	.29	.16	.22	-.02	.38	.41	.69	.77	.30	.45	.48	.32	4.45
1957	.28	.02	.11	.09	.25	-.02	.72	.65	.52	.50	.07	.26	3.45

NOTE: Negative values indicate effective rainfall exceeds gross lake surface evaporation rate.



STATE OF TEXAS
Board of Water Engineers

LOCATION OF QUADRANGLES

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