

TEXAS WATER DEVELOPMENT BOARD

REPORT 64

MONTHLY RESERVOIR EVAPORATION RATES

FOR TEXAS

1940 THROUGH 1965

By

John W. Kane

Revised edition of Texas Board of Water Engineers  
Bulletin 6006, May 1960, with evaporation  
rates for 1958 through 1965 added

October 1967

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## PREFACE

One of many accomplishments of the planning work of the Texas Board of Water Engineers during the period following the passage of the Texas Water Planning Act of 1957 was the preparation of a report describing the evaporation rates in each area of the State. Data included in that report, published as Texas Board of Water Engineers Bulletin 6006, covered the period 1940 through 1957. The report was given wide distribution and is in general use throughout the State. The purpose of this report is to make similar information available for the period 1958 through 1965, and to provide copies of data for earlier years. Although this information is being provided, it is recognized that the method used to obtain the estimated evaporation rates has inherent possibilities of error.

Two other methods used to estimate evaporation with some probable increase in accuracy are the climatic factor (or index) method, and the water budget method as applied to evaporation measurements taken at reservoirs. The various climatic factor systems for estimating evaporation make use of theoretically or empirically derived relationships between evaporation and such meteorological factors as air temperature, wind, humidity, and radiation. Such methods are especially valuable where measured evaporation and crop water-use data are lacking.

A climatic factor method for estimating free water surface evaporation and the consumptive use of water by crops has been developed by Louis L. McDaniels,<sup>1/</sup> presently Chief Hydrologist, Texas Water Rights Commission. This method utilizes some of the basic research performed by Kohler, Nordenson, and Fox<sup>2/</sup> of the U.S. Weather Bureau. The McDaniels method may have possibilities of becoming the most accepted method for estimating reservoir evaporation losses.

Texas Board of Water Engineers Bulletin 6006, originally published in May 1960, was compiled under contract by the late Robert L. Lowry, Jr., Consulting Surface Water Hydrologist of Austin, Texas. John J. Vandertulip, presently Chief Engineer, Texas Water Development Board, was associated with Lowry at that time and participated in the original work. Lowry<sup>3/</sup> also developed, in association with A. F. Johnson, a climatic factor method for estimating crop consumptive use of water which has been widely used by the U.S. Bureau of Reclamation.

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<sup>1/</sup> McDaniels, Louis L., 1960, Consumptive use of water by major crops in Texas: Texas Board of Water Engineers Bull. 6019.

<sup>2/</sup> Kohler, M. A., and Nordenson, T. J., and Fox, W. E., 1955, Evaporation from pans and lakes: U.S. Weather Bur. Research Paper 38.

<sup>3/</sup> Lowry, R. L., Jr, and Johnson, A. F., 1941, Consumptive use of water for agriculture: Proc. Am. Soc. of Civil Engineers, v. 67, p. 595-616.

In estimating free water surface evaporation from evaporation pan measurements, the practice used in Bulletin 6006 was to apply an empirically determined coefficient to the pan data to obtain lake or reservoir evaporation. This method has long been used for obtaining estimates of monthly evaporation rates for studies of proposed reservoirs where evaporation pan records are available.

To take advantage of the available evaporation rate data for the entire state for the 18-year period 1940 through 1957 contained in TBWE Bulletin 6006, the Water Development Board decided to extend the coverage of the Bulletin 6006 data through 1965, the latest year for which complete evaporation pan records were available. By adding the years 1958 through 1965, a 26-year evaporation record was obtained. To insure that these later evaporation figures would be compatible with those contained in Bulletin 6006, the original notes and worksheets were consulted and the same procedures were used in compiling the 1958 through 1965 evaporation rates.

The use of the evaporation tables contained in this report is adequately explained in TBWE Bulletin 6006; therefore, the original text, tables, and plates, with minor editing, have been retained with the following changes and additions:

1. All references to the total period of record as "1940 through 1957," or "the 18-year period 1940 through 1957" have been amended to read "1940 through 1965," or the "26-year period 1940 through 1965."

2. Tables 1A and 2A listing the evaporation stations used for the 1958 through 1965 period have been added to the original Table 1, "Evaporation Stations in Texas," and Table 2, "Evaporation Stations in Adjacent States," respectively. These added tables list only the stations actually used. They do not list all the evaporation pan records available.

3. Table 4, "Average Monthly Net Evaporation Rates, Quadrangle G-10," has been recomputed for the period 1940 through 1965.

4. Plate 2, "Average Annual Net Lake Surface Evaporation 1940-57," and Plate 4, "Average Annual Rainfall 1940-57," have been changed to include the period 1940-65.

5. Plate 6, "Average Annual Gross Lake Surface Evaporation 1950-56," and Plate 7, "Average Annual Gross Lake Surface Evaporation 1940-65," have been added.

6. Typographical errors noted in comparing the previously published evaporation tables with the original worksheets have been corrected.

The Water Development Board is fully cognizant of the limitations and potential errors involved in determining evaporation by either the climatic factor method or from evaporation pan measurements. Research in the field of evaporation is constantly being monitored to seek an improved method for measuring evaporation. Until such a method is developed, however, vigorous measures are being taken to standardize and improve the accuracy of evaporation stations participating in the Water Development Board Cooperative Evaporation Program. This effort, under the direction of Herbert M. Cook, Assistant Director of the Water Development Board's Basic Hydrologic Data Division, has resulted in the elimination of non-standard evaporation pans and great improvement in exposure, maintenance, and record keeping at all stations in the TWDB cooperative network.

## PERSONNEL

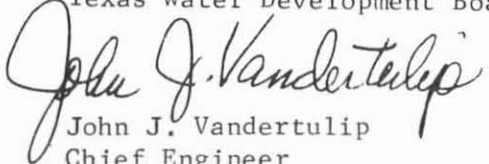
Evaporation data for 1958 through 1965 were compiled in the Planning Hydrology and Special Studies Division under the supervision of John W. Kane, Water Development Board Meteorologist. Computations were performed principally by William H. Hanshaw with assistance from Fred A. Godfrey, Robert Gump, Don Schwartz, and Jimmy Don Gage. Precipitation tabulations were provided by the Texas Water Development Board's Electronic Data Processing Division under the direction of Ivan M. Stout.

## ACKNOWLEDGEMENTS

Precipitation and evaporation pan data from U.S. Weather Bureau and International Boundary and Water Commission stations were obtained from official records of these agencies. Evaporation pan data from stations participating in the Water Development Board Cooperative Evaporation Program were obtained from Water Development Board records.

Special thanks are due the Austin office of the U.S. Geological Survey for making their collection of climatological records for adjacent states available, and to the United States Section of the International Boundary and Water Commission for furnishing unpublished evaporation and precipitation records.

Texas Water Development Board



John J. Vandertulip  
Chief Engineer



## 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.

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 perform 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 revised report describes the investigations made under the above contract and extends the study through 1965. During the course of the study, the available evaporation data for Texas were reviewed. A section of this report contains suggestions for a continuing state-wide evaporation program along with certain recommendations.

## ACKNOWLEDGEMENTS

Several agencies involved in the study of water resources have contributed data and information utilized in the development of this report. Included among these agencies are U.S. Weather Bureau, Department of Commerce; U.S. Bureau of Reclamation, Department of Interior; and United States Section, International Boundary and Water Commission, Department of State. The assistance and cooperation rendered by these agencies is gratefully acknowledged.





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MONTHLY RESERVOIR EVAPORATION  
RATES FOR TEXAS  
1940 THROUGH 1965

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 evapotranspiration 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 26-year period 1940 through 1965. 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 in this report are defined as follows:

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 record 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 here 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 revision in some cases.

#### AVAILABLE DATA

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

<u>Name</u>	<u>Size (inches)</u>		<u>Remarks</u>
	<u>Diameter</u>	<u>Depth</u>	
Young (Screened) (Y)	24	36	Sunk in ground
Bureau of Plant Industry (BPI)	72	24	Do.
Weather Bureau Class A (WB)	48	10	On low wooden platform

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

U.S. Weather Bureau  
 Texas Water Development Board  
 International Boundary and Water Commission, United States and Mexico  
 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. Similar data are given in Table 1A for stations used for 1958-65 in extending and revising this report.

Table 1.--Evaporation stations in Texas.

(Used for study period 1940-57.)

Name of station	County	Latitude	Longitude	Type of pan	Available records	Remarks
Amarillo Experiment Station	Potter	35° 10'	102° 05'	WB	1907-19, 1941-53	Records 1907-53 for April-September only
				Y	1950-57	Y pan began August 1950
Angleton Experiment Station	Brazoria	29° 12'	95° 23'	BPI	1915-57	
Alto	Cherokee	31° 06'	95° 09'	Y	1955-57	Record began April 1955
Austin Weather Bureau	Travis	30° 18'	97° 42'	WB	1916-35, 1942-57	Records 1916-35 for Hill's Ranch
Balmerhea Experiment Station	Reeves	31° 00'	103° 41'	BPI	1916-57	
				WB	1940-47	
				Y	1950-57	Record began August 1950
Beaumont Experiment Station	Jefferson	30° 04'	94° 17'	BPI	1917-57	
				Y	1950-57	Record began September 1950
Beeville Experiment Station	Bee	28° 27'	97° 42'	BPI	1915-57	75-inch diameter pan
				Y	1955-57	Record began March 1955
Belton Dam	Bell	31° 07'	97° 28'	WB	1953-57	
Benbrook Dam	Tarrant	32° 39'	97° 27'	WB	1953-57	
Big Spring Experiment Station	Howard	32° 15'	101° 27'	BPI	1916-57	Records 1916-45 for April-September only
				WB	1956-57	
				Y	1955-57	
Blacklands Experiment Station	McLennan	31° 29'	96° 53'	BPI	1940-57	
				Colo	1940-42	
				WB	1940-42	WB pan made of copper instead of standard galvanized material
Brazoria Lake	Brazoria	29° 05'	95° 36'	Y	1955-57	Record began April 1955
Brazos River Field Laboratory	Brazos	30° 33'	96° 26'	Y	1952-57	Discontinued June 1957
Buchanan Dam	Llano	30° 44'	98° 25'	BPI	1943-57	
				Y	1943-57	
				WB	1943-57	
Chillicothe Experiment Station	Hardeman	34° 17'	99° 29'	BPI	1912-57	Records 1912-22 for growing season only
College Station	Brazos	30° 36'	96° 20'	BPI	1916-51	96-inch diameter pan
Dalhart Experiment Station	Dallam	36° 01'	102° 35'	BPI	1908-35, 1934-50	Records for April through September only
Del Rio Weather Bureau	Val Verde	29° 22'	100° 29'	WB	1946-57	
Denison Dam	Grayson	33° 49'	96° 34'	WB	1948-57	
Denton Experiment Station	Denton	33° 15'	97° 11'	BPI	1917-57	
				Y	1953-57	
Dilley	Frio	28° 40'	99° 10'	WB	1929-57	
Dryden	Terrell	30° 08'	102° 10'	WB	1944-57	
				Y	1949-57	
				12 ft	1949-57	

Table 1.--Evaporation stations in Texas.--Continued

(Used for study period 1940-57.)

Name of station	County	Latitude	Longitude	Type of pan	Available records	Remarks
Falcon Dam	Zapata	26° 35'	99° 10'	Y	1950-57	
Fort McIntosh	Webb	27° 40'	99° 30'	Y	1950-57	
				WB	1950-57	
				12 ft	1950-57	
Fort Stockton	Pecos	30° 34'	102° 52'	WB	1940-42, 1944-57	
Grandfalls	Pecos	31° 15'	102° 53'	WB	1940-50, 1954	
Grapevine Dam	Tarrant	32° 58'	97° 03'	WB	1953-57	
Hords Creek Dam	Coleman	31° 51'	99° 34'	WB	1953-57	
Iowa Park Experiment Station	Wichita	33° 55'	98° 39'	BPI	1926-53	96-inch diameter pan
				Y	1953-57	
Johnson Ranch	Brewster	29° 05'	103° 25'	Y	1949-57	
Lake Colorado City	Mitchell	32° 20'	100° 55'	WB	1954-57	
Lake Houston Dam	Harris	29° 55'	95° 08'	Y	1956-57	Record began September 1956
Lake Kickapoo	Archer	33° 40'	98° 47'	BPI	1948-57	
				Y	1948-57	Some winter months do not have records
				WB	1948-57	
Laredo Weather Bureau	Webb	27° 32'	99° 28'	WB	1949-57	
Lavon Dam	Collin	33° 02'	96° 29'	WB	1953-57	
Lubbock Experiment Station	Lubbock	33° 35'	101° 48'	BPI	1917-57	70.5-inch diameter pan
				Y	1950-57	Record began September 1950
Mansfield Dam	Travis	30° 22'	97° 55'	Y	1944-57	
				WB	1944-57	
Maravillus	Brewster	29° 30'	102° 50'	Y	1949-57	
Nacogdoches Experiment Station	Nacogdoches	31° 36'	94° 38'	BPI	1915-57	
Oak Creek Reservoir	Coke	32° 02'	100° 15'	Y	1955-57	Record began June 1955
Point Comfort	Calhoun	28° 39'	96° 33'	WB	1957	Record began November 1957, aluminum pan WB size
Possum Kingdom Dam	Palo Pinto	32° 52'	98° 26'	Y	1951-57	
				BPI	1951-57	
				WB	1951-57	
Prairie View Experiment Station	Waller	30° 08'	96° 09'	Y	1951-57	
				BPI	1951-57	
				WB	1951-57	
Presidio	Presidio	29° 30'	104° 25'	Y	1949-57	

Table 1.--Evaporation stations in Texas.--Continued

(Used for study period 1940-57.)

Name of station	County	Latitude	Longitude	Type of pan	Available records	Remarks
Red Bluff Dam	Reeves	31° 54'	103° 55'	WB	1940-47, 1952-57	
San Angelo Dam	Tom Green	31° 28'	100° 29'	WB	1953-57	
Sonora Experiment Station	Sutton	30° 16'	100° 35'	Y BPI WB	1950-57 1950-57 1950-57	
Spur Experiment Station	Dickens	33° 29'	100° 52'	BPI	1916-54	72-inch pan up to October 1941; 54-inch pan from December 1941 to 1954 Record began September 1954
Spurger Dam B	Tyler	30° 48'	94° 11'	WB	1954-57	
Stephenville	Erath	32° 15'	98° 10'	WB Y	1953-57 1953-57	
Temple Experiment Station	Bell	31° 03'	97° 21'	BPI	1915-57	96-inch diameter pan
Thompsons 3 WSW	Fort Bend	29° 29'	95° 38'	WB	1957	Record began June 1957
Texarkana Dam	Cass	33° 18'	94° 10'	WB	1956-57	Record began February 1956, 4-foot sunken pan with screen
Tortuga Ranch	Maverick	28° 43'	100° 24'	Y	1952-54	Incomplete record
Tyler Experiment Station	Smith	32° 27'	95° 22'	BPI Y	1933-57 1951-57	96-inch diameter pan
Weslaco Experiment Station	Hidalgo	26° 09'	97° 58'	BPI Y	1932-57 1954-57	96-inch diameter pan
Whitney Dam	Bosque	31° 51'	97° 22'	WB	1953-57	
William Harris Reservoir	Brazoria	29° 15'	95° 33'	Y BPI WB	1948-57 1948-57 1948-57	
Winter Haven Experiment Station	Dimmit	28° 38'	99° 52'	BPI Y	1931-50 1951-57	120-inch diameter pan
Ysleta Experiment Station	El Paso	31° 42'	106° 19'	Y BPI WB	1952-57 1952-57 1940-57	

Note: Standard size pan used except where shown under remarks. (See p. 2.)

Table 1A.--Evaporation stations in Texas.

(Used for study period 1958-65.)

Name of station	County	Latitude	Longitude	Type of pan	Records used	Remarks
Amarillo Experiment Station	Potter	35° 10'	102° 05'	Y	1958-65	
Amistad Dam	Val Verde	29° 28'	101° 02'	WB	1963-65	Record began 1963
Angleton 4 NE	Brazoria	21° 12'	95° 23'	Y	1958-63	Discontinued 1964
Austin Weather Bureau	Travis	30° 18'	97° 42'	WB	1958-65	
Balmorea Experiment Station	Reeves	31° 00'	103° 41'	Y	1959-60, 1963	Missing data in 1961 and 1962 Discontinued 1964
Bangs	Brown	31° 42'	99° 12'	Y	1963-65	Record began 1962
Barnhart	Crockett	30° 59'	101° 09'	Y	1960-65	Record began 1959
Beaumont Experiment Station	Jefferson	30° 04'	94° 17'	Y	1958-65	
Beeville 5 NE	Bee	28° 27'	97° 42'	Y	1958-60, 1963-65	Missing data in 1961 and 1962
Belton Dam	Bell	31° 07'	97° 28'	WB	1958-65	
Benbrook Dam	Tarrant	32° 39'	97° 27'	WB	1958-65	
Big Spring Experiment Station	Howard	32° 16'	101° 29'	Y	1958-65	
Brownsville 7 E	Cameron	25° 52'	97° 51'	Y*	1959-65	Record began 1958
Buchanan Dam	Llano	30° 44'	98° 25'	Y	1958-65	
Canyon Dam	Comal	29° 52'	98° 12'	WB	1962-65	Record began 1961
Childress	Childress	34° 26'	100° 17'	Y	1964-65	Record began 1964
Chillicothe Experiment Station	Hardeman	34° 12'	99° 32'	BPI Y	1958-65	Y pan record used after July 1959
Daingerfield 9 S-	Morris	32° 55'	94° 43'	WB	1960-65	Record began 1959
Denison Dam	Grayson	33° 49'	96° 34'	WB	1958-65	
Denton Experiment Station	Denton	33° 14'	97° 11'	Y	1958-65	
Dilley	Frio	28° 40'	99° 10'	WB	1958-65	
Eagle Pass	Maverick	28° 42'	100° 29'	Y	1964-65	Record began 1964
Falcon Dam	Starr	25° 35'	99° 10'	Y	1958-65	
Fort Stockton 2 NE	Pecos	30° 54'	102° 52'	WB	1958-60	Discontinued 1961
Grapevine Dam	Tarrant	32° 58'	97° 03'	WB	1958-65	
Hords Creek Dam	Coleman	31° 51'	99° 34'	WB	1958-65	
Iowa Park Experiment Station	Wichita	33° 55'	98° 39'	Y	1958-65	
Johnson Ranch	Brewster	29° 05'	103° 25'	Y*	1958-65	
Lake Colorado City	Mitchell	32° 20'	100° 55'	WB	1958-63	Discontinued 1964
Lake Kickapoo	Archer	33° 40'	98° 47'	Y	1958-65	



Table 1A.--Evaporation stations in Texas.--Continued

(Used for study period 1958-65.)

Name of station	County	Latitude	Longitude	Type of pan	Records used	Remarks
Lake Tawakoni	Rains	32° 53'	95° 54'	WB	1962-63	Record began 1961
				Y	1964-65	Y pan record used after December 1963
Laredo No. 2	Webb	27° 31'	99° 28'	WB	1958-65	
Lavon Dam	Collin	33° 02'	96° 29'	WB	1958-65	
Lubbock Experiment Station	Lubbock	33° 42'	101° 49'	Y	1958-65	
Mansfield Dam	Travis	30° 22'	97° 55'	Y	1958-65	
Martin King Ranch	Val Verde	29° 44'	101° 23'	Y	1958-65	
Mercury	McCulloch	31° 21'	99° 07'	Y	1961-65	Record began 1960
Navarro Mills Dam	Navarro	31° 57'	96° 42'	WB	1963-65	Record began 1963
Oak Creek Reservoir	Coke	32° 03'	100° 17'	Y	1958-65	
Pecos	Reeves	31° 11'	103° 31'	Y	1965	Record began 1964
Point Comfort	Calhoun	28° 40'	96° 33'	WB	1958-65	
Possum Kingdom Dam	Palo Pinto	32° 52'	98° 26'	Y	1958-65	
Presidio	Presidio	29° 30'	104° 25'	Y*	1958-65	
Proctor Reservoir	Comanche	31° 58'	98° 30'	WB	1964-65	Record began 1963
Red Bluff Dam	Reeves	31° 54'	103° 55'	WB	1958-65	
Rio Grande City 3 W	Starr	26° 23'	98° 52'	WB	1963-65	Record began 1962
San Angelo Dam	Tom Green	31° 28'	100° 29'	WB	1958-65	
Sayers	Bexar	29° 23'	98° 18'	Y	1964-65	Incomplete record began June 1962
Sonora-Lowery Draw	Sutton	30° 35'	100° 34'	Y	1963-65	Record began 1962
Somerville Dam	Durleson	30° 20'	96° 32'	WB	1965	Record began 1964
Spur Experiment Station	Dickens	33° 29'	100° 52'	WB	1958-65	Y pan record used after July 1959
				Y		
Spurger Dam B	Tyler	30° 48'	94° 11'	WB	1958-65	
Stephenville 3 NE	Erath	32° 15'	98° 10'	Y	1958-60, 1963	Discontinued 1964 Missing data 1961 and 1962
Stillhouse Hollow	Bell	31° 02'	97° 32'	WB	1965	Record began June 1964
Sulphur Springs	Hopkins	33° 08°	95° 36'	Y	1964-65	Record began August 1963
Temple Experiment Station	Bell	31° 03'	97° 31'	BPI	1958-65	Y pan record used after September 1959
				Y		
Thompsons 3 WSW	Fort Bend	29° 29'	95° 38'	WB	1958-65	
Tyler Experiment Station	Smith	32° 27'	95° 22'	Y	1958-65	
Wardlow Ranch	Val Verde	29° 28'	100° 58'	Y	1958-65	
Weslaco Experiment Station	Hidalgo	26° 09'	97° 58'	WB	1958-65	5 months missing 1961

Table 1A.--Exaporation stations in Texas.--Continued

(Used for study period 1958-65.)

Name of station	County	Latitude	Longitude	Type of pan	Records used	Remarks
Whitney Dam	Bosque	31° 51'	97° 22'	WB	1958-65	
William Harris Reservoir	Brazoria	29° 15'	95° 33'	Y	1958-62	Discontinued 1964
Winter Haven Experiment Station	Dimmit	28° 38'	99° 52'	WB	1958-60, 1963	Discontinued 1964 Missing data 1961 and 1962
Ysleta Experiment Station	El Paso	31° 42'	106° 19'	WB	1958-65	

\* Evaporimeter calibrated to Y pan.

An additional 14 stations that have records covering part of the study period are located in adjacent states. These records were also used where considered appropriate. Pertinent information for these stations is summarized in Table 2. Table 2A gives data for 12 out-of-state stations used for 1958-65 study period.

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

In evaluating these pan evaporation data it was found that many of the earlier records were inconsistent and unreliable. 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, 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 BPI 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 obtained after 1950 were found to much reliable than those for the earlier years. The pan evaporation data for 1940 through 1949 in general were found to be erratic and unreliable. Fortunately these more unreliable data cover a period of generally ample water supply. More accurate 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 thought 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.

Table 2.--Evaporation stations in adjacent states.

(Used for study period 1940-57.)

Name of station	County	Latitude	Longitude	Type of pan	Available records	Remarks
<u>Arkansas</u>						
Hope Experiment Farm	Hempstead	33° 43'	93° 33'	WB	1946-57	
Nimrod Dam	Perry	34° 57'	93° 10'	WB	1946-57	
<u>Louisiana</u>						
Hackberry Experiment Farm	Cameron	29° 53'	93° 25'	WB	1948-57	
<u>New Mexico</u>						
Agricultural College	Dona Ana	32° 17'	106° 45'	WB	1918-57	
Alamogordo Reservoir	De Baca	34° 36'	104° 23'	WB	1939-57	
Caballo Reservoir	Sierra	32° 54'	107° 18'	WB	1942-57	
Lake Avalon	Eddy	32° 29'	104° 15'	WB	1952-57	
Lake McMillan	Eddy	32° 36'	104° 20'	WB	1940-49	
<u>Oklahoma</u>						
Altus Dam	Kiowa	34° 53'	99° 18'	WB	1947-57	Records began August 1947
Canton Dam	Blaine	36° 05'	98° 36'	WB	1947-57	Some winter records missing
Fort Supply Dam	Woodward	36° 33'	99° 35'	WB	1942-57	Some winter records missing
Lawton	Comanche	34° 36'	98° 24'	BPI	1943-50	Records for March to November only
Tipton	Tillman	34° 26'	99° 08'	WB	1942-57	Some winter records missing
Wister Dam	Le Flore	34° 56'	94° 43'	WB	1947-57	

Table 2A.--Evaporation stations in adjacent states.

(Used for study period 1958-65.)

Name of station	County	Latitude	Longitude	Type of pan	Records used	Remarks
<u>Arkansas</u>						
Hope Experiment Farm	Hempstead	33° 43'	93° 33'	WB	1958-65	
Nimrod Dam	Perry	34° 57'	93° 10'	WB	1958-65	
<u>Louisiana</u>						
Hackberry Experiment Farm	Cameron	29° 53'	93° 25'	WB	1958-59	Discontinued 1960
<u>New Mexico</u>						
Alamogordo Reservoir	De Baca	34° 36'	104° 23'	WB	1958-65	
Caballo Reservoir	Sierra	32° 54'	107° 18'	WB	1958-65	
Lake Avalon	Eddy	32° 29'	104° 15'	WB	1958-65	
State University	Dona Ana	32° 17'	106° 45'	WB	1958-65	Formerly Agricultural College
<u>Oklahoma</u>						
Altus Dam	Kiowa	34° 53'	99° 18'	WB	1958-59	Records imcomplete 1960-65
Canton Dam	Blaine	36° 05'	98° 36'	WB	1958-65	
Fort Supply Dam	Woodward	36° 33'	99° 35'	WB	1958-65	
Tipton	Tillman	34° 26'	99° 08'	WB	1958-65	
Wister Dam	Le Flore	34° 56'	94° 43'	WB	1958-65	

## 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 (p. 144) states:

"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 26 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 the Appendix.

## 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 1965.

## 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>	Weather Bureau Class A pan	Bureau of Plant Industry pan	Young Screened pan
January	0.77	1.03	.97
February	.67	.91	.87
March	.64	.78	.81
April	.64	.76	.79
May	.68	.78	.81
June	.73	.85	.91
July	.79	.94	1.03
August	.84	1.03	1.12
September	.88	1.11	1.19
October	.91	1.16	1.21
November	.92	1.17	1.19
December	.89	1.12	1.10
Annual	.78	.97	1.00

Many factors affect the rate of runoff as measured at stream-gaging stations. Some of these 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 in the Appendix.

A series of six plates follows. Two show the average annual net lake surface evaporation rates for the periods 1940 through 1965 and 1950 through 1956, respectively. An average annual rainfall chart is shown for each of these two periods. Plates 6 and 7 show the average annual gross lake surface evaporation for the periods 1940-65 and 1950-56, respectively.

Average annual net evaporation rates for the 1940-65 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 1950-56 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 the 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 1940-65 and 1950-56 periods. These values show the maximum month to be August in both periods, while the month of least evaporation is February. The monthly data for the 1950-56 drought period are higher



in all months than the corresponding data for the 26-year average as a result of less rainfall and temperatures that were generally above average during the 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 26-year period, 78 percent of the annual evaporation occurred in these five months, while for the 1950-56 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 the Appendix 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 by 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

Monthly gross and net evaporation rates in the Appendix will be useful principally 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 rates is given in feet.

Use of the net rate will be primarily for the study of proposed reservoirs. These net rates have accounted for surface runoff from the areas which would be inundated by proposed reservoirs. 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 in the Appendix 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 of 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.

Table 4.--Average monthly net evaporation rates Quadrangle G-10.

<u>Month</u>	<u>Average for period 1940-65 in feet</u>	<u>Percent of annual</u>	<u>Average for period 1950-56 in feet</u>	<u>Percent of annual</u>
January	0.04	1.5	0.14	3.7
February	.01	.4	.04	1.0
March	.15	5.7	.22	5.8
April	.07	2.7	.15	3.9
May	.18	6.8	.17	4.5
June	.31	11.7	.46	12.1
July	.56	21.1	.69	18.2
August	.60	22.6	.73	19.2
September	.34	12.8	.47	12.4
October	.25	9.4	.40	10.5
November	.11	4.2	.21	5.5
December	.03	1.1	.12	3.2
Annual	2.65	100.0	3.80	100.0

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 the area versus capacity characteristics of the individual reservoir.

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 the Appendix 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 CONTINUING STATEWIDE EVAPORATION PROGRAM

The importance of evaporation in the hydrologic cycle has been recognized for years. Efforts were started some 60 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. Many of the data so far collected are of questionable value, however, because of the circumstances under which they were assembled. There is a great amount of misinformation now included in the records that 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, the three different types of pans now recognized and in general use are the Young Screened pan, the Standard Weather Bureau Class A pan, and the Bureau of Plant Industry pan. Descriptions of these pans and the approved specifications for their setting may be found in other publications.

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, yet these factors are neglected in the setting of some 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 of 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 three 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 statewide 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 necessary 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 in this report.
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 methods of determining reservoir evaporation.

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 different specifications to the adopted standard to obtain comparable data at all points in the State.



APPENDIX

TABLES OF MONTHLY  
GROSS AND NET LAKE SURFACE EVAPORATION RATES

1917

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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	.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	9.1	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	.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
1958	1.5	1.6	1.1	3.8	5.0	9.7	10.5	11.3	9.0	6.6	4.1	2.8	67.0
1959	1.1	2.9	5.3	5.9	7.8	9.2	9.9	11.3	10.9	6.5	4.1	2.1	77.0
1960	6.7	.4	3.2	6.3	7.5	9.0	7.0	9.5	7.7	6.4	5.4	.9	70.0
1961	1.0	1.3	3.7	5.8	7.8	8.2	9.9	11.4	10.2	8.8	3.1	1.8	73.0
1962	.8	3.1	3.9	4.1	6.9	6.3	7.3	8.5	5.4	6.4	3.5	1.8	58.0
1963	.8	1.6	4.6	6.7	6.3	5.9	9.5	6.7	5.1	5.5	3.4	1.9	58.0
1964	1.5	.8	2.9	5.6	6.7	7.1	9.8	10.0	6.9	6.0	3.7	2.0	63.0
1965	1.5	1.9	2.2	4.9	6.0	4.5	7.9	6.7	7.1	5.3	4.5	2.5	55.0

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
1958	.08	.11	-.08	.13	.15	.73	.30	.93	.65	.54	.30	.20	4.04
1959	.05	.23	.42	.45	.42	.63	.72	.57	.83	.36	.33	.05	5.06
1960	.48	-.03	.24	.48	.60	.51	.17	.73	.18	.10	.44	.00	3.90
1961	.08	.08	.09	.43	.51	.50	.53	.71	.67	.63	.16	.13	4.52
1962	.03	.25	.28	.27	.50	.18	.13	.66	.35	.52	.26	.13	3.56
1963	.06	.09	.38	.56	.30	.23	.46	.28	.39	.41	.27	.13	3.56
1964	.13	.01	.24	.45	.43	.53	.70	.76	.39	.49	.17	.13	4.43
1965	.13	.14	.14	.40	.26	-.05	.47	.21	.41	.31	.37	.14	2.93

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	.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	.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
1958	1.4	1.5	1.0	3.6	4.8	9.3	10.0	10.8	8.6	6.3	4.0	2.7	64.0
1959	1.0	2.8	5.1	5.6	7.5	8.9	9.5	10.9	10.5	6.2	3.9	2.1	74.0
1960	6.5	.4	3.1	6.1	7.3	8.7	6.9	9.2	7.5	6.2	5.2	.9	68.0
1961	.9	1.2	3.5	5.4	7.4	7.8	9.3	10.8	9.7	8.3	3.0	1.7	69.0
1962	.9	3.0	3.8	4.0	6.8	6.2	7.2	8.3	5.3	6.2	3.4	1.9	57.0
1963	.8	1.6	4.7	6.8	6.4	6.0	9.6	6.9	5.2	5.6	3.5	1.9	59.0
1964	1.5	.7	2.8	5.4	6.5	6.9	9.5	9.6	6.7	5.8	3.6	2.0	61.0
1965	1.5	1.9	2.2	4.8	5.9	4.4	7.7	6.6	7.0	5.2	4.4	2.4	54.0

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
1958	.08	.09	-.04	.21	.19	.65	.26	.70	.62	.52	.28	.18	3.74
1959	.05	.23	.38	.41	.38	.63	.55	.73	.78	.33	.31	.00	4.78
1960	.48	-.04	.24	.43	.56	.48	.26	.60	.13	.18	.43	.03	3.78
1961	.08	.05	.03	.43	.42	.44	.52	.68	.68	.52	.13	.11	4.09
1962	.05	.22	.27	.22	.48	.10	.19	.61	.27	.49	.24	.14	3.28
1963	.07	.09	.38	.55	.22	.29	.54	.48	.33	.46	.29	.14	3.84
1964	.12	-.05	.23	.45	.38	.42	.68	.74	.48	.48	.08	.13	4.14
1965	.12	.15	.12	.39	.19	-.26	.50	.28	.50	.28	.37	.11	2.75

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
1958	1.4	1.5	1.0	3.6	4.7	9.1	9.8	10.7	8.4	6.2	3.9	2.7	63.0
1959	1.0	2.7	4.8	5.3	7.0	8.4	9.0	10.3	9.9	5.9	3.7	2.0	70.0
1960	6.3	.4	3.0	6.0	7.1	8.5	6.7	8.9	7.2	6.0	5.0	.9	66.0
1961	.9	1.2	3.4	5.3	7.2	7.6	9.0	10.5	9.4	8.0	2.9	1.6	67.0
1962	.8	3.3	4.2	4.3	7.4	6.8	7.8	9.0	5.8	6.8	3.7	2.1	62.0
1963	.9	1.8	5.1	7.5	7.0	6.6	10.6	7.6	5.7	6.2	3.9	2.1	65.0
1964	1.5	0.9	2.9	5.7	6.8	7.2	9.9	10.1	7.0	6.1	3.8	2.1	64.0
1965	1.6	2.1	2.4	5.4	6.6	5.0	8.7	7.5	7.9	5.9	5.1	2.8	61.0

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
1958	.06	.10	-.09	.16	.16	.54	.34	.58	.54	.51	.28	.18	3.36
1959	.04	.21	.34	.27	.31	.54	.43	.65	.70	.30	.28	-.06	4.01
1960	.45	-.13	.20	.39	.44	.37	.12	.52	.29	.22	.41	-.02	3.26
1961	.07	.03	.03	.41	.36	.32	.50	.67	.66	.54	.07	.11	3.77
1962	.02	.27	.33	.23	.52	.07	.33	.62	.14	.53	.28	.14	3.48
1963	.07	.13	.42	.57	.28	.36	.52	.47	.32	.45	.29	.15	4.03
1964	.13	-.08	.24	.46	.28	.28	.73	.80	.44	.46	-.02	.05	3.77
1965	.11	.14	.13	.38	.26	.04	.63	.27	.45	.28	.42	.16	3.19

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 RATES 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
1958	1.6	1.7	1.2	4.1	5.4	10.4	11.2	12.2	9.6	7.1	4.5	3.0	72.0
1959	1.1	2.9	5.3	5.9	7.8	9.2	9.8	11.3	10.9	6.5	4.1	2.2	77.0
1960	6.2	0.4	3.0	5.9	7.0	8.3	6.6	8.8	7.1	5.9	4.9	.9	65.0
1961	.9	1.2	3.4	5.2	7.1	7.5	8.9	10.3	9.2	7.9	2.8	1.6	66.0
1962	.8	3.2	4.0	4.2	7.1	6.5	7.6	8.8	5.6	6.6	3.6	2.0	60.0
1963	.8	1.7	4.7	6.8	6.4	6.0	9.6	6.9	5.2	5.6	3.4	1.9	59.0
1964	1.6	.8	3.0	5.8	6.9	7.3	10.1	10.2	7.2	6.2	3.8	2.1	65.0
1965	1.6	2.0	2.3	5.2	6.3	4.7	8.3	7.1	7.5	5.6	4.7	2.7	58.0

NET RESERVOIR EVAPORATION RATES 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
1958	.03	.09	-.09	.20	.18	.80	.40	.97	.68	.56	.32	.22	4.36
1959	.08	.23	.42	.43	.40	.65	.54	.72	.73	.38	.34	-.09	4.83
1960	.43	-.05	.18	.42	.53	.23	.06	.61	.32	.10	.40	.00	3.23
1961	.07	.07	.08	.40	.53	.43	.38	.65	.62	.58	.10	.10	4.01
1962	.02	.24	.30	.31	.50	-.09	.17	.63	.35	.48	.27	.13	3.31
1963	.06	.09	.38	.54	.25	.19	.59	.18	.40	.43	.24	.13	3.48
1964	.13	-.05	.24	.48	.45	.48	.77	.64	.38	.48	.17	.12	4.29
1965	.09	.11	.11	.42	.38	-.36	.58	.33	.54	.33	.39	.17	3.09

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
1958	1.6	1.7	1.1	4.1	5.3	10.3	11.0	12.0	9.5	7.0	4.4	3.0	71.0
1959	1.0	2.8	5.1	5.6	7.5	8.9	9.5	10.9	10.5	6.2	3.9	2.1	74.0
1960	6.0	.3	2.9	5.6	6.6	7.9	6.3	8.4	6.8	5.7	4.7	.8	62.0
1961	.8	1.1	3.2	4.9	6.6	7.0	8.4	9.7	8.7	7.4	2.7	1.5	62.0
1962	.8	3.2	4.0	4.3	7.3	6.7	7.7	8.9	5.7	6.6	3.7	2.1	61.0
1963	.8	1.7	4.8	7.0	6.6	6.2	10.0	7.1	5.4	5.8	3.6	2.0	61.0
1964	1.5	.7	3.0	5.7	6.8	7.2	9.9	10.1	7.1	6.2	3.8	2.0	64.0
1965	1.6	2.1	2.4	5.3	6.5	4.9	8.6	7.3	7.7	5.8	5.0	2.8	60.0

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	.22	.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
1958	.04	.09	-.08	.18	.19	.66	.38	.89	.67	.57	.31	.23	4.13
1959	.06	.23	.39	.37	.31	.56	.46	.82	.75	.36	.31	-.14	4.48
1960	.41	-.04	.17	.38	.47	.11	.08	.48	.23	.05	.39	.01	2.74
1961	.06	.06	.07	.39	.43	.36	.38	.61	.57	.51	.08	.10	3.62
1962	.02	.23	.33	.28	.51	-.04	.13	.59	.32	.47	.27	.12	3.23
1963	.07	.09	.38	.55	.24	.22	.66	.36	.38	.43	.26	.13	3.77
1964	.13	-.08	.24	.48	.44	.44	.75	.58	.38	.49	.16	.13	4.14
1965	.08	.14	.12	.43	.33	-.46	.62	.41	.57	.37	.42	.20	3.23

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 RATES 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	.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
1958	1.5	1.5	1.1	3.8	4.9	9.6	10.3	11.1	8.8	6.5	4.1	2.8	66.0
1959	1.0	2.5	4.6	5.2	6.9	8.2	8.7	10.0	9.7	5.7	3.6	1.9	68.0
1960	5.7	.4	2.7	5.3	6.3	7.6	6.0	8.0	6.5	5.3	4.4	.8	59.0
1961	.8	1.0	3.0	4.6	6.2	6.6	7.8	9.0	8.1	7.0	2.5	1.4	58.0
1962	1.1	4.2	5.4	5.7	9.5	8.8	10.0	11.7	7.4	8.7	4.8	2.7	80.0
1963	1.0	2.0	5.6	8.2	7.7	7.2	11.6	8.3	6.2	6.7	4.2	2.3	71.0
1964	1.8	.9	3.4	6.5	7.7	8.3	11.3	11.5	8.0	7.0	4.3	2.3	73.0
1965	1.9	2.5	2.8	6.3	7.7	5.7	10.2	8.7	9.2	6.8	5.9	3.3	71.0

NET RESERVOIR EVAPORATION RATES 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
1958	.05	.10	-.08	.12	.06	.53	.35	.79	.40	.54	.32	.21	3.39
1959	.06	.19	.34	.25	.11	.50	.34	.66	.63	.28	.30	-.21	3.45
1960	.38	-.13	.14	.41	.30	.18	.03	.48	.32	.01	.36	-.04	2.44
1961	.06	.01	-.01	.36	.38	.11	.35	.55	.59	.45	.03	.10	2.98
1962	.01	.34	.44	.21	.75	.33	.57	.75	.37	.68	.34	.18	4.97
1963	.08	.13	.45	.62	.48	.33	.78	.43	.33	.52	.28	.15	4.58
1964	.13	-.12	.26	.53	.37	.40	.91	.85	.41	.48	.10	.10	4.42
1965	.13	.17	.17	.43	.46	-.07	.80	.53	.46	.36	.49	.22	4.15

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 RATES 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
1958	2.3	2.5	2.7	4.8	6.3	9.7	10.1	10.1	6.8	4.4	4.4	2.9	67.0
1959	2.4	3.3	5.7	6.1	7.5	8.6	9.2	10.0	9.3	5.6	3.9	2.4	74.0
1960	1.2	2.2	3.0	5.9	6.7	8.3	8.3	9.1	7.6	4.7	4.2	1.8	63.0
1961	1.4	1.8	3.6	5.0	7.1	6.7	8.6	8.3	7.0	6.6	2.9	2.0	61.0
1962	1.7	3.1	3.9	4.8	9.1	8.1	8.4	11.4	6.1	6.0	3.3	2.1	68.0
1963	1.3	1.9	4.0	5.8	6.1	7.8	10.4	9.7	7.0	7.0	4.2	1.8	67.0
1964	2.6	2.0	4.4	6.0	7.4	9.2	11.8	10.9	7.3	6.2	3.7	2.5	74.0
1965	2.7	2.5	3.4	5.1	5.9	6.7	9.1	8.7	7.8	4.7	4.7	1.7	63.0

NET RESERVOIR EVAPORATION RATES 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
1958	.06	.18	.06	.26	.40	.64	.58	.68	.32	.32	.29	.23	4.02
1959	.20	.27	.46	.39	.36	.41	.53	.64	.72	.25	.31	-.02	4.52
1960	.01	.12	.20	.43	.49	.34	.18	.58	.51	.02	.35	.05	3.28
1961	.08	.10	.17	.41	.49	.35	.51	.58	.47	.50	.09	.14	3.89
1962	.08	.23	.30	.33	.73	.43	.25	.87	.22	.33	.20	.15	4.12
1963	.10	.06	.33	.43	.28	.12	.64	.59	.52	.55	.26	.13	4.01
1964	.21	.07	.37	.50	.54	.51	.95	.75	.44	.49	.13	.17	5.13
1965	.21	.18	.23	.36	.33	-.02	.59	1.63	.53	.24	1.39	.11	3.78

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 RATES 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
1958	2.1	2.3	2.4	4.3	5.7	8.9	9.2	9.2	6.2	4.0	4.0	2.7	61.0
1959	2.3	3.1	5.3	5.6	7.0	8.0	8.5	9.3	8.7	5.2	3.7	2.3	69.0
1960	1.1	2.1	2.8	5.5	6.3	7.8	7.8	8.5	7.1	4.4	3.9	1.7	59.0
1961	1.2	1.6	3.2	4.4	6.3	5.9	7.6	7.3	6.2	5.9	2.6	1.8	54.0
1962	1.6	2.9	3.5	4.3	8.2	7.4	7.7	10.4	5.6	5.5	3.0	1.9	62.0
1963	1.3	1.8	3.8	5.6	5.9	7.6	10.1	9.4	6.8	6.8	4.1	1.8	65.0
1964	2.4	1.9	4.1	5.6	6.9	8.6	11.0	10.1	6.8	5.7	3.5	2.4	69.0
1965	2.8	2.6	3.6	5.3	6.1	7.1	9.5	9.1	8.2	4.9	5.0	1.8	66.0

NET RESERVOIR EVAPORATION RATES 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
1958	.05	.17	.00	.15	.19	.56	.52	.68	.26	.30	.30	.21	3.39
1959	.19	.24	.44	.35	.25	.37	.35	.69	.63	.23	.31	-.07	3.98
1960	.00	.09	.18	.40	.37	.24	.03	.58	.38	-.18	.32	.03	2.44
1961	.06	.07	.08	.34	.38	.19	.26	.50	.42	.42	.08	.13	2.93
1962	.08	.24	.29	.25	.53	.19	.37	.77	.21	.30	.14	.11	3.48
1963	.11	.08	.31	.42	.26	.20	.62	.55	.43	.52	.22	.11	3.83
1964	.17	.06	.30	.47	.47	.46	.88	.66	.30	.40	.16	.10	4.42
1965	.22	.18	.26	.36	.38	.01	.76	.66	.44	.30	.42	.11	4.10

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 RATES 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
1958	1.8	1.9	1.9	3.7	5.1	8.6	8.5	9.6	6.1	3.8	4.4	2.6	58.0
1959	2.4	3.4	5.6	5.7	6.4	7.4	7.8	10.1	7.4	4.7	3.9	2.2	67.0
1960	1.4	2.0	2.0	5.5	5.4	8.4	8.4	9.9	8.2	4.7	4.8	2.3	63.0
1961	1.6	1.5	3.5	4.6	6.7	6.0	8.7	9.1	7.5	6.6	3.1	2.1	61.0
1962	1.1	3.1	4.1	4.3	9.7	8.6	10.8	14.6	7.0	6.7	3.8	2.2	76.0
1963	1.2	2.0	3.8	5.1	6.0	7.4	12.9	12.2	8.2	9.0	5.3	1.9	75.0
1964	3.1	2.8	4.9	6.1	6.9	8.9	13.9	12.5	9.0	6.0	3.7	2.2	80.0
1965	2.8	2.9	3.2	5.1	5.9	7.3	10.8	11.7	10.9	5.0	5.7	1.7	73.0

NET RESERVOIR EVAPORATION RATES 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
1958	.07	.11	-.06	.08	.05	.61	.29	.78	.32	.30	.33	.20	3.08
1959	.19	.26	.46	.35	-.08	.26	.41	.68	.60	.08	.31	-.14	3.38
1960	.01	.08	.08	.46	.11	.08	.42	.64	.58	-.11	.40	.02	2.77
1961	.11	-.02	.09	.37	.38	.28	.47	.64	.50	.47	.10	.13	3.52
1962	.05	.26	.33	.12	.77	.28	.60	1.16	.25	.42	.21	.11	4.56
1963	.09	.14	.24	.39	.26	.38	1.00	.85	.56	.71	.30	.11	5.03
1964	.23	.06	.36	.49	.41	.51	1.13	.96	.38	.46	.15	.10	5.24
1965	.22	.21	.24	.22	.27	.33	.83	.78	.60	.18	.45	.04	4.37

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 RATES 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
1958	1.7	1.8	1.9	3.5	4.8	8.2	8.1	9.0	5.8	3.6	4.1	2.5	55.0
1959	2.3	3.3	5.5	5.5	6.2	7.2	7.5	9.8	7.2	4.6	3.8	2.1	65.0
1960	1.4	2.1	2.1	5.7	5.7	8.8	8.8	10.4	8.6	5.0	5.0	2.4	66.0
1961	1.8	1.5	3.6	4.7	6.9	6.2	9.0	9.4	7.7	6.9	3.2	2.1	63.0
1962	1.2	3.3	4.4	4.6	10.2	9.0	11.3	15.3	7.3	7.0	4.0	2.4	80.0
1963	1.3	2.2	4.1	5.5	6.5	8.0	13.9	13.2	8.8	9.7	5.8	2.0	81.0
1964	3.5	3.1	5.5	6.9	7.7	10.0	15.7	14.0	10.2	6.8	4.1	2.5	90.0
1965	2.5	2.6	3.0	4.7	5.4	6.8	9.9	10.7	9.9	4.6	5.3	1.6	67.0

NET RESERVOIR EVAPORATION RATES 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	.08	.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
1958	.00	.08	-.01	.12	.14	.55	.19	.71	.37	.28	.28	.17	2.88
1959	.18	.27	.45	.29	.08	.05	.37	.76	.37	.08	.26	-.09	3.07
1960	.04	.05	.10	.46	.21	.45	.43	.70	.62	-.21	.42	.01	3.28
1961	.13	-.06	.02	.39	.47	.25	.44	.71	.43	.44	.03	.11	3.36
1962	.08	.27	.34	.12	.79	.11	.76	1.23	.12	.36	.20	.13	4.51
1963	.11	.14	.18	.37	.13	.42	1.12	1.00	.62	.78	.25	.10	5.22
1964	.25	.06	.38	.54	.41	.68	1.30	.93	.63	.50	.08	.15	5.91
1965	.17	.16	.23	.19	.19	.35	.72	.76	.34	.01	.44	.04	3.60

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 RATES 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
1958	1.7	1.7	1.7	3.3	4.6	8.1	10.3	9.8	7.3	4.3	3.7	2.5	59.0
1959	2.0	2.5	5.4	4.6	5.6	5.5	6.6	9.4	10.1	5.4	4.8	5.1	67.0
1960	1.7	2.0	3.3	5.8	7.4	6.8	6.2	10.4	7.6	5.6	4.4	1.8	63.0
1961	1.9	1.5	3.7	5.7	5.5	7.3	5.8	6.4	7.8	6.9	3.4	2.1	58.0
1962	1.6	3.4	3.9	4.8	9.2	9.4	8.8	8.1	5.5	5.2	3.5	2.6	66.0
1963	2.4	2.7	5.4	6.5	6.4	7.8	9.7	9.3	8.2	7.7	5.7	3.2	75.0
1964	3.2	2.6	6.5	8.7	9.3	9.8	11.2	9.6	7.3	7.6	5.4	3.8	85.0
1965	4.2	3.8	3.7	5.6	6.4	8.1	9.5	7.8	7.1	7.7	4.4	2.7	71.0

NET RESERVOIR EVAPORATION RATES 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
1958	-.01	.11	-.08	.14	.20	.59	.70	.74	.14	.24	.27	.21	3.25
1959	.13	.21	.45	.32	.31	-.07	.35	.63	.75	.28	.40	.33	4.09
1960	.06	.11	.23	.46	.53	.22	-.38	.83	.60	.11	.37	.03	3.17
1961	.10	-.08	.21	.46	.30	.37	.17	.43	.56	.53	.13	.13	3.31
1962	.09	.26	.31	.34	.72	.61	.30	.61	.13	.16	.26	.18	3.97
1963	.19	.18	.43	.48	.23	.34	.58	.58	.65	.60	.41	.25	4.92
1964	.24	.18	.54	.73	.68	.60	.92	.74	.41	.61	.41	.26	6.32
1965	.35	.29	.30	.44	.41	.33	.69	.53	.43	.59	.37	.18	4.91

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	1.8	2.0	3.9	6.6	6.8	9.6	9.2	9.9	7.0	5.0	3.3	1.9	67.0
1945	1.9	2.3	4.4	5.2	8.1	9.7	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
1958	1.7	1.7	1.8	3.5	4.8	8.6	10.9	10.3	7.7	4.5	3.9	2.6	62.0
1959	2.2	2.7	5.8	4.9	5.9	5.8	7.0	9.9	10.7	5.7	5.1	5.3	71.0
1960	1.7	2.0	3.3	5.9	7.6	6.9	6.3	10.6	7.8	5.6	4.4	1.9	64.0
1961	2.2	1.6	4.0	6.2	5.9	7.9	6.3	7.0	8.4	7.5	3.7	2.3	63.0
1962	1.6	3.6	4.1	5.0	9.7	9.8	9.2	8.5	5.8	5.4	3.6	2.7	69.0
1963	2.3	2.6	5.2	6.3	6.1	7.5	9.3	8.9	7.8	7.4	5.5	3.1	72.0
1964	2.9	2.4	5.9	7.9	8.4	8.9	10.2	8.7	6.6	6.8	4.9	3.4	77.0
1965	4.3	4.1	3.8	5.8	6.6	8.3	9.7	8.0	7.2	7.9	4.5	2.8	73.0

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
1958	.03	.09	-.05	.12	.15	.61	.71	.81	.50	.28	.27	.21	3.73
1959	.17	.20	.48	.30	.23	-.06	.33	.77	.78	.25	.40	.28	4.13
1960	.05	.09	.23	.46	.46	.36	.01	.87	.58	.00	.37	.03	3.51
1961	.08	.01	.22	.51	.41	.26	.14	.51	.65	.52	.15	.16	3.62
1962	.12	.29	.33	.33	.80	.54	.43	.61	.14	.31	.26	.15	4.31
1963	.18	.15	.36	.49	-.01	.17	.73	.61	.51	.57	.33	.21	4.30
1964	.20	.15	.45	.65	.52	.49	.79	.61	.41	.55	.33	.20	5.35
1965	.35	.30	.30	.38	.30	.55	.72	.46	.34	.57	.38	.19	4.84

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 RATES 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	5.8	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
1958	2.3	1.9	2.2	4.6	6.4	9.2	11.5	9.6	7.0	4.9	4.3	3.1	67.0
1959	2.5	2.8	6.3	6.9	7.8	8.4	7.3	8.8	9.7	5.6	5.1	2.8	74.0
1960	2.1	2.7	2.9	4.3	8.2	9.4	8.7	11.4	4.4	6.8	6.1	4.0	71.0
1961	1.9	2.0	5.1	6.9	8.4	7.1	8.3	10.5	9.4	8.6	4.6	3.2	76.0
1962	2.9	5.1	6.5	6.8	10.1	8.3	9.4	12.0	6.1	6.9	4.2	3.7	82.0
1963	2.9	3.4	5.7	7.0	7.0	7.3	10.7	9.8	7.8	8.1	5.1	2.2	77.0
1964	3.8	3.0	5.1	7.5	9.4	7.3	9.3	10.9	8.1	7.6	5.7	4.3	82.0
1965	4.3	4.0	4.9	6.9	7.6	7.4	10.8	12.2	9.7	5.8	4.4	3.0	81.0

NET RESERVOIR EVAPORATION RATES 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
1958	.11	.11	.00	.12	.21	.67	.65	.71	.45	.33	.30	.25	3.91
1959	.20	.22	.52	.50	.17	.19	.28	.60	.76	.17	.40	-.03	3.98
1960	.07	.13	.18	.33	.45	.48	.31	.90	.27	.05	.50	.16	3.83
1961	.08	.02	.30	.57	.62	.06	.23	.75	.66	.63	.13	.23	4.28
1962	.22	.42	.52	.44	.78	.29	.54	.95	.00	.42	.27	.23	5.08
1963	.24	.24	.33	.47	.28	.22	.78	.67	.43	.60	.23	.12	4.61
1964	.27	.12	.38	.60	.62	.36	.72	.81	.40	.60	.37	.28	5.53
1965	.33	.28	.38	.36	.30	.34	.86	.85	.61	.24	.36	.16	5.07

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

QUADRANGLE D - 8

Lat. 33° to 34° 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	2.1	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
1958	1.8	1.8	1.8	3.8	5.1	7.9	9.8	9.7	6.9	5.4	4.2	2.8	61.0
1959	2.1	2.5	5.6	5.8	6.4	7.1	7.1	9.2	9.2	5.7	4.7	2.6	68.0
1960	2.3	2.8	3.0	4.8	7.4	9.9	9.7	11.8	7.7	6.8	6.0	3.8	76.0
1961	1.9	1.9	4.6	6.0	7.1	6.7	8.8	10.3	9.1	7.9	4.8	2.9	72.0
1962	2.5	4.2	5.8	5.8	9.5	8.6	8.9	12.3	6.9	7.6	4.5	3.4	80.0
1963	2.2	2.6	4.2	4.9	5.5	6.3	9.0	9.1	6.6	6.7	4.6	2.3	64.0
1964	3.4	2.8	4.7	6.4	7.8	7.5	10.0	10.6	7.8	6.8	4.8	3.4	76.0
1965	3.1	3.2	3.8	5.3	5.5	6.5	9.4	10.7	9.5	5.2	3.9	2.9	69.0

NET RESERVOIR EVAPORATION RATES 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
1958	.04	.09	.00	.13	.12	.53	.46	.73	.25	.36	.29	.22	3.22
1959	.17	.18	.43	.36	.28	.18	.36	.72	.71	.07	.35	.00	3.81
1960	.06	.12	.23	.33	.45	.63	.34	.85	.47	.08	.50	.08	4.14
1961	.08	-.03	.19	.49	.39	.20	.30	.78	.48	.55	.18	.18	3.79
1962	.18	.33	.40	.29	.68	.23	.51	.89	-.08	.43	.24	.20	4.30
1963	.18	.19	.19	.23	.04	.29	.60	.69	.42	.44	.15	.12	3.54
1964	.19	.04	.32	.48	.36	.33	.82	.70	.26	.53	.26	.23	4.52
1965	.17	.19	.28	.21	.09	.33	.72	.73	.52	.10	.31	.18	3.83

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 RATES 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
1958	1.6	1.8	1.7	3.4	4.1	7.3	8.9	10.4	7.4	6.2	4.5	2.7	60.0
1959	1.8	2.4	5.3	5.0	5.3	6.1	7.2	9.9	9.0	6.0	4.6	2.4	65.0
1960	2.1	2.4	2.6	4.2	5.2	8.6	8.8	10.0	9.3	5.3	4.7	2.8	66.0
1961	1.9	1.7	3.7	4.7	5.4	5.8	8.4	9.1	8.1	6.4	4.5	2.3	62.0
1962	1.7	2.6	3.9	3.7	6.8	6.8	6.5	9.7	5.8	6.4	3.7	2.4	60.0
1963	1.8	2.2	3.5	3.9	5.0	6.2	8.7	9.6	6.3	6.4	4.8	2.6	61.0
1964	2.5	2.2	3.7	4.5	5.3	6.4	8.9	8.7	6.2	5.2	3.2	2.2	59.0
1965	2.2	2.4	2.8	3.9	3.7	5.5	8.0	9.1	8.8	4.7	3.3	2.6	57.0

NET RESERVOIR EVAPORATION RATES 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
1958	.01	.08	-.07	.06	.02	.46	.42	.78	.51	.44	.31	.16	3.18
1959	.13	.18	.38	.30	.22	-.07	.33	.67	.62	.02	.28	-.03	3.03
1960	.01	.08	.15	.22	.20	.56	.48	.69	.46	.04	.39	-.05	3.23
1961	.06	.02	.08	.35	.30	.06	.55	.64	.33	.38	.11	.10	2.98
1962	.13	.20	.22	.01	.48	.00	.24	.76	-.06	.38	.14	.07	2.57
1963	.13	.14	.18	.12	.13	.38	.48	.67	.34	.41	.16	.14	3.28
1964	.05	.05	.19	.17	.05	.41	.71	.48	.12	.39	-.03	.14	2.73
1965	.04	.11	.19	.10	-.27	.23	.64	.47	.50	.14	.26	.16	2.57

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 RATES 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	10.6	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
1958	2.6	2.2	2.4	2.7	4.6	8.2	9.2	9.6	6.8	5.2	4.6	2.9	61.0
1959	2.3	2.3	4.6	4.3	4.2	6.6	5.7	9.0	8.1	7.1	5.2	3.6	63.0
1960	3.0	2.5	3.0	4.2	5.2	6.8	8.3	7.6	7.7	5.2	4.8	2.7	61.0
1961	2.4	2.0	3.1	3.4	4.2	4.3	5.2	7.3	6.0	4.2	3.8	3.1	49.0
1962	2.0	2.9	3.7	3.1	5.5	5.0	6.7	7.3	5.3	5.1	4.5	4.9	56.0
1963	2.3	2.8	3.8	3.8	4.2	4.7	7.3	8.3	7.0	6.5	4.6	2.7	58.0
1964	2.7	3.0	3.7	3.8	3.9	6.0	10.0	9.9	7.0	5.7	4.3	3.0	63.0
1965	2.3	2.1	2.4	2.6	3.8	5.6	5.2	6.7	6.6	5.1	4.0	3.6	50.0

NET RESERVOIR EVAPORATION RATES 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	.38	.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	.58	.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
1958	.05	.13	-.09	-.10	-.05	.48	.50	.67	.41	.37	.24	.18	2.79
1959	.18	.13	.30	.29	.16	-.02	.19	.60	.50	.00	.35	.10	2.78
1960	.02	.09	.17	.26	.20	.43	.39	.43	.44	.13	.38	-.04	2.90
1961	.03	.01	-.03	.27	.16	-.03	.34	.50	.17	.15	.10	.13	1.80
1962	.14	.19	.17	-.08	.38	-.11	.27	.48	-.24	.23	.15	.32	1.90
1963	.18	.22	.21	.02	.13	.29	.39	.62	.48	.43	.22	.12	3.31
1964	.04	.14	.08	.06	-.08	.39	.80	.55	.03	.46	-.08	.19	2.58
1965	.03	.00	.13	.07	-.19	.17	.38	.27	.17	.26	.24	.21	1.74

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 RATES 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
1958	2.0	2.2	2.4	3.7	5.4	8.2	9.5	9.2	5.7	4.7	4.1	1.9	59.0
1959	1.7	2.2	5.2	5.2	5.9	6.5	7.0	8.5	7.4	5.0	3.1	2.3	60.0
1960	1.8	2.4	2.7	5.8	6.2	7.9	7.8	7.5	7.2	4.1	2.8	1.8	58.0
1961	1.4	2.3	3.8	4.9	5.9	5.8	8.6	8.0	7.1	5.3	3.0	1.9	58.0
1962	1.8	2.7	4.2	3.8	7.1	6.2	8.1	8.7	4.7	5.2	2.7	1.8	57.0
1963	1.5	1.4	4.9	5.2	5.8	7.7	1.7	9.5	6.6	7.4	4.3	2.0	58.0
1964	2.1	2.5	4.1	5.6	5.5	8.2	11.4	10.4	5.9	5.4	3.2	2.7	67.0
1965	2.2	2.1	2.6	5.4	5.2	6.1	9.7	9.7	8.8	5.0	3.0	2.2	62.0

NET RESERVOIR EVAPORATION RATES 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	.89	.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
1958	-.06	.11	-.12	-.11	.03	.36	.59	.69	.22	.28	.18	.05	2.22
1959	.11	.05	.26	.25	.29	.18	.12	.58	.45	-.13	.16	-.12	2.20
1960	-.05	.02	.08	.36	.27	.39	.36	.36	.26	.06	.15	-.33	1.93
1961	-.03	-.02	-.08	.36	.18	.13	.49	.62	.26	.28	-.04	-.04	2.11
1962	.03	.13	.16	.03	.48	-.06	.42	.60	-.26	.24	-.08	.09	1.78
1963	.09	.09	.24	.09	.14	.54	-.13	.74	.49	.61	.24	.01	3.15
1964	.08	.09	.00	.20	.18	.47	.92	.50	-.21	.36	-.08	.14	2.65
1965	.03	-.15	.13	.35	-.14	.23	.74	.72	.23	.32	.09	.09	2.64

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 RATES 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
1958	2.5	2.4	2.8	3.5	4.3	6.5	6.7	6.4	4.6	4.4	3.9	3.0	51.0
1959	3.0	2.3	3.5	3.3	3.8	4.4	5.4	5.8	5.2	4.9	4.6	2.8	49.0
1960	2.5	2.6	3.2	4.4	5.4	6.2	6.7	6.5	7.1	4.8	4.0	2.6	56.0
1961	2.4	2.4	3.3	4.3	4.9	4.9	6.0	7.4	6.5	5.7	3.7	3.5	55.0
1962	2.3	2.6	3.5	3.1	5.8	4.9	8.1	8.3	6.1	5.1	4.2	3.0	57.0
1963	2.4	2.4	2.9	3.0	3.9	5.4	7.4	8.3	6.6	7.1	5.6	3.0	58.0
1964	3.6	2.6	3.1	3.7	4.2	6.0	9.2	8.1	7.0	5.8	4.0	2.7	60.0
1965	3.0	2.5	2.9	3.8	4.1	5.2	8.2	8.0	6.0	4.9	3.0	2.4	54.0

NET RESERVOIR EVAPORATION RATES 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	0.79
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	0.64
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
1958	-.02	.14	-.06	-.17	.05	.16	.26	.29	.08	.26	.06	.14	1.19
1959	.23	.00	.09	.10	.08	-.02	-.04	.28	.29	.04	.28	-.15	1.18
1960	-.03	.05	.14	.23	.23	.18	.26	.29	.18	.13	.24	-.27	1.63
1961	.08	.02	-.08	.24	.18	.08	.21	.46	.31	.33	-.08	.00	1.75
1962	-.03	.05	.11	.02	.38	-.15	.48	.49	.08	-.01	.08	.18	1.68
1963	.10	.18	-.01	-.12	.13	.27	.14	.63	.49	.53	.30	.12	2.76
1964	.22	.05	-.06	-.15	.06	.30	.74	.32	.06	.46	.06	.14	2.20
1965	.08	-.28	.08	.21	-.20	.21	.62	.53	.13	.30	.08	.10	1.86

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 RATES 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	7.4	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
1958	2.1	2.0	2.4	3.0	3.6	5.5	5.7	5.4	3.9	3.7	3.2	2.5	43.0
1959	2.7	2.0	3.2	3.0	3.4	3.9	4.9	5.2	4.7	4.4	4.1	2.5	44.0
1960	2.3	2.4	2.8	3.9	4.8	5.5	5.9	5.9	6.4	4.3	3.5	2.3	50.0
1961	1.9	2.0	2.7	3.6	4.0	4.1	4.9	6.0	5.3	4.7	3.0	2.8	45.0
1962	2.2	2.5	3.3	2.9	5.5	4.6	7.7	7.9	5.7	4.9	4.0	2.8	54.0
1963	2.3	2.3	2.8	2.8	3.7	5.1	7.0	7.9	6.3	6.7	5.3	2.8	55.0
1964	3.3	2.4	2.8	3.3	3.7	5.4	8.3	7.3	6.3	5.2	3.6	2.4	54.0
1965	2.7	2.3	2.6	3.5	3.7	4.8	7.4	7.2	5.4	4.5	2.7	2.2	49.0

NET RESERVOIR EVAPORATION RATES 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	0.84
1941	.05	-.02	-.08	-.17	.13	-.06	.21	.28	.27	.08	.06	-.08	0.67
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	0.24
1945	.03	-.24	-.71	.02	.13	-.08	.20	.28	.33	.14	.13	.08	0.31
1946	-.28	-.10	-.02	-.03	-.36	.23	.38	.32	.31	.23	-.38	.04	0.34
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	0.36
1950	-.27	-.40	.02	-.04	-.43	.25	.08	.26	-.35	.21	.25	.17	-0.25
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	0.85
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	-0.33
1958	-.04	.11	-.06	-.46	.03	.10	.15	.13	.05	.17	-.03	.16	0.31
1959	.17	-.14	.06	-.03	-.02	.09	.08	.28	.23	.07	.22	-.23	0.78
1960	-.16	-.03	.09	.25	.16	.13	.29	.29	.11	.14	.20	-.28	1.19
1961	.03	-.05	-.18	.17	.11	-.06	.12	.37	.25	.22	-.11	-.15	0.72
1962	-.13	-.06	.06	-.02	.36	-.09	.52	.53	.13	.02	.06	.15	1.53
1963	.08	.16	-.08	-.12	.14	.20	.14	.57	.43	.52	.20	.01	2.25
1964	.19	.01	-.07	-.23	.12	.34	.63	.19	.05	.42	.06	.06	1.77
1965	.01	-.37	.01	.19	-.18	.19	.50	.47	.12	.31	.12	.06	1.43

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 RATES 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	5.8	84.0
1956	3.2	2.2	6.3	6.2	8.0	10.7	12.4	13.2	12.7	9.0	8.5	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
1958	2.4	2.8	3.0	5.1	5.9	8.6	9.8	9.3	6.2	5.2	4.3	3.4	66.0
1959	3.2	3.7	5.2	5.5	7.1	7.9	7.8	9.9	9.1	5.7	4.1	2.8	72.0
1960	1.9	2.9	3.4	5.7	7.5	8.4	8.3	9.7	7.8	5.8	3.9	1.7	67.0
1961	1.8	2.5	4.4	6.6	8.4	8.3	9.1	10.0	8.6	7.8	2.9	2.6	73.0
1962	2.8	4.0	5.0	6.0	9.5	9.8	9.8	12.3	7.7	6.8	4.6	2.7	81.0
1963	2.5	2.8	5.2	6.7	6.6	8.3	11.6	10.7	7.8	7.2	5.0	2.6	77.0
1964	3.7	2.7	5.5	7.6	8.9	10.2	12.3	11.9	8.4	7.4	5.4	4.0	88.0
1965	3.7	3.2	4.6	7.0	6.9	9.3	12.1	9.8	8.9	6.9	4.6	3.0	80.0

NET RESERVOIR EVAPORATION RATES 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
1958	.05	.15	.11	.33	.34	.65	.72	.59	.20	.23	.28	.28	3.93
1959	.26	.28	.42	.37	.28	.49	.42	.72	.65	.25	.31	.15	4.60
1960	.09	.20	.26	.46	.54	.64	.25	.68	.63	.16	.32	.00	4.23
1961	.03	.17	.27	.55	.61	.50	.38	.78	.58	.64	.14	.20	4.85
1962	.21	.33	.39	.43	.77	.60	.63	.89	.32	.46	.37	.18	5.58
1963	.20	.20	.43	.50	.25	.42	.80	.74	.52	.53	.38	.18	5.15
1964	.27	.20	.42	.63	.61	.77	.99	.93	.51	.58	.43	.30	6.64
1965	.30	.22	.38	.51	.44	.63	.92	.62	.67	.53	.38	.23	5.83

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
1958	3.1	3.0	3.3	4.3	5.0	8.8	11.0	10.6	7.5	7.5	6.3	4.6	75.0
1959	3.7	4.4	4.7	5.3	6.4	8.3	7.8	11.6	10.6	6.5	4.6	3.1	77.0
1960	2.0	2.7	2.9	5.5	7.3	10.9	10.0	12.1	9.8	7.3	4.9	2.6	78.0
1961	1.8	2.5	4.2	6.6	8.2	7.9	8.9	11.4	10.2	8.9	3.7	2.7	77.0
1962	2.4	4.1	4.8	5.4	9.3	9.8	11.1	14.0	8.4	7.7	5.0	3.0	85.0
1963	2.6	2.6	4.4	5.3	5.4	6.7	11.7	11.6	8.6	8.0	5.3	2.8	75.0
1964	3.5	2.6	4.9	6.5	7.5	8.9	11.9	12.2	8.7	7.3	5.4	3.6	83.0
1965	3.6	3.0	4.4	6.6	5.3	8.6	13.0	10.4	9.5	6.9	4.5	3.2	79.0

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
1958	.16	.18	.13	.19	.23	.66	.84	.73	.44	.38	.46	.38	4.78
1959	.31	.34	.34	.39	.29	.37	.37	.88	.81	.24	.35	.14	4.83
1960	.07	.18	.23	.36	.53	.90	.49	.95	.79	.33	.41	.09	5.33
1961	.00	.16	.28	.55	.62	.33	.34	.91	.72	.69	.14	.20	4.94
1962	.20	.34	.38	.38	.73	.54	.83	1.05	.14	.53	.32	.18	5.62
1963	.21	.18	.36	.31	.07	.28	.93	.86	.55	.55	.36	.20	4.86
1964	.23	.18	.36	.54	.41	.58	.97	.83	.58	.56	.42	.26	5.92
1965	.28	.18	.37	.48	.05	.49	1.07	.73	.59	.50	.35	.24	5.33

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
1958	2.4	2.1	2.3	4.6	5.6	8.6	11.3	10.6	6.9	5.0	4.2	3.4	67.0
1959	2.6	2.6	6.0	6.3	6.9	8.2	9.1	9.9	9.0	5.2	4.6	2.6	73.0
1960	2.0	2.5	3.8	5.6	8.8	10.9	11.3	12.5	8.5	7.8	6.5	3.8	84.0
1961	1.9	2.8	5.8	7.8	9.3	8.3	10.3	12.0	10.3	8.9	5.2	3.4	86.0
1962	2.3	3.9	4.7	4.9	7.8	7.2	8.6	10.6	6.3	5.9	3.9	2.9	69.0
1963	2.1	2.7	4.8	5.4	5.5	5.8	9.4	8.4	6.9	6.4	4.6	2.0	64.0
1964	4.0	3.3	5.4	7.1	8.7	8.6	11.4	11.6	8.1	7.5	5.1	4.2	85.0
1965	4.4	3.6	5.1	6.6	6.2	5.6	12.7	12.4	10.3	7.0	5.1	3.0	82.0

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
1958	.10	.07	.07	.09	.23	.61	.90	.65	.43	.21	.30	.28	3.94
1959	.21	.18	.43	.44	.38	.28	.31	.76	.68	.07	.35	.06	4.15
1960	.05	.15	.30	.42	.60	.82	.58	.82	.64	.37	.53	.18	5.46
1961	.02	.15	.42	.63	.53	.19	.46	.98	.71	.63	.18	.23	5.09
1962	.19	.33	.28	.29	.59	.28	.55	.78	-.19	.34	.29	.15	3.88
1963	.18	.19	.38	.23	.13	.20	.72	.60	.49	.40	.23	.12	3.87
1964	.23	.20	.38	.58	.48	.48	.89	.87	.53	.57	.35	.30	5.86
1965	.34	.23	.43	.41	-.02	.24	1.02	.75	.65	.27	.37	.21	4.90

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	2.3	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
1958	2.4	2.2	2.3	4.0	4.4	8.2	10.6	11.4	7.3	5.2	4.6	3.4	66.0
1959	2.6	2.4	5.6	5.5	5.6	7.4	9.4	11.5	9.4	5.5	4.6	2.5	72.0
1960	1.9	2.0	3.3	4.9	6.4	9.2	10.3	10.4	10.4	6.4	5.3	2.5	73.0
1961	1.7	2.7	4.6	6.5	7.7	7.4	10.0	11.1	9.3	7.4	4.9	2.7	76.0
1962	2.3	3.3	3.9	4.1	7.6	7.0	8.9	11.2	7.0	6.8	4.2	2.7	69.0
1963	2.0	2.6	4.7	4.9	5.2	6.2	11.6	10.4	7.7	7.2	5.0	2.5	70.0
1964	3.5	3.0	4.8	5.9	6.7	9.3	13.5	12.5	7.9	6.7	4.4	3.8	82.0
1965	3.8	2.7	4.1	5.0	4.0	5.4	13.2	11.3	10.7	7.2	4.7	2.9	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
1958	.09	.08	.03	.06	.09	.54	.63	.75	.18	.24	.33	.25	3.27
1959	.21	.13	.43	.33	.19	.21	.46	.88	.75	-.02	.35	.07	3.99
1960	-.04	.08	.24	.20	.38	.69	.43	.73	.72	.24	.44	.00	4.11
1961	-.15	.10	.31	.54	.52	-.01	.52	.88	.32	.44	.17	.18	3.82
1962	.19	.26	.20	.14	.57	.01	.45	.90	.04	.39	.28	.15	3.58
1963	.17	.19	.33	.23	-.03	.33	.91	.72	.55	.56	.09	.16	4.21
1964	.13	1.07	.28	.39	.39	.62	.07	.68	.42	.50	.13	.29	4.97
1965	.21	.11	.30	.19	-.17	.25	1.06	.84	.65	.34	.33	.16	4.27

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	4.6	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
1958	2.4	2.3	2.3	3.8	4.3	8.9	10.8	12.1	8.7	6.4	5.5	3.5	71.0
1959	2.3	2.0	5.1	5.1	5.0	6.6	7.7	11.5	9.9	6.1	4.7	3.0	69.0
1960	2.5	2.6	3.1	4.7	6.2	9.5	10.4	11.4	11.2	6.7	5.9	2.8	77.0
1961	1.8	2.1	3.8	5.4	6.5	6.4	9.1	10.2	8.8	6.7	4.6	2.6	68.0
1962	2.2	3.1	3.9	4.0	8.1	6.4	8.4	11.1	6.5	7.3	4.2	2.8	68.0
1963	2.4	2.6	4.5	4.8	5.3	7.1	13.9	12.7	8.3	8.4	5.2	2.8	78.0
1964	2.9	2.5	4.0	5.2	5.9	8.8	13.5	12.2	7.6	6.2	3.7	3.5	76.0
1965	3.1	2.3	3.1	3.7	3.2	6.5	11.4	9.6	9.8	5.9	3.7	2.7	65.0

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
1958	.04	.09	-.03	-.02	.13	.57	.56	.79	.47	.45	.37	.21	3.63
1959	.18	.11	.39	.31	.18	.08	.33	.84	.69	-.05	.34	.07	3.47
1960	-.03	.10	.18	.20	.31	.66	.62	.77	.73	.35	.48	-.03	4.34
1961	-.23	-.02	.21	.41	.44	.07	.50	.80	.50	.33	.13	.13	3.27
1962	.17	.23	.23	.13	.61	.10	.26	.88	.02	.33	.21	.15	3.32
1963	.18	.20	.34	.13	.02	.38	1.12	.85	.50	.55	.07	.18	4.52
1964	.01	.07	.20	.20	.37	.67	1.08	.65	.15	.43	.00	.26	4.09
1965	.08	.00	.21	.16	-.40	.46	.90	.61	.58	.28	.19	.08	3.15

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
1958	2.1	2.0	2.1	3.4	3.9	8.1	9.7	11.1	7.8	5.8	4.9	3.1	64.0
1959	2.2	2.1	5.0	5.0	4.8	6.4	7.4	11.1	9.6	5.9	4.5	3.0	67.0
1960	2.2	2.3	2.7	4.2	5.5	8.4	9.2	10.0	9.9	5.9	5.2	2.5	68.0
1961	1.7	2.1	3.7	5.2	6.3	6.2	8.9	9.9	8.5	6.5	4.5	2.5	66.0
1962	2.1	3.1	3.8	3.9	8.0	6.3	8.2	11.0	6.4	7.2	4.2	2.8	67.0
1963	2.2	2.4	4.2	4.5	4.9	6.6	12.8	11.7	7.6	7.7	4.8	2.6	72.0
1964	2.5	2.1	3.5	4.6	5.2	7.8	11.9	10.8	6.7	5.5	3.3	3.1	67.0
1965	2.9	2.2	2.9	3.5	3.1	6.2	10.9	9.2	9.4	5.6	3.5	2.6	62.0

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
1958	.03	.06	-.09	-.19	.08	.57	.58	.72	.31	.35	.25	.15	2.82
1959	.18	.01	.36	.21	.16	.09	.39	.76	.65	-.22	.30	.02	2.91
1960	-.03	.05	.17	.19	.26	.44	.58	.67	.71	.32	.37	-.20	3.53
1961	-.20	-.08	.13	.34	.40	-.03	.49	.79	.48	.28	.17	.07	2.84
1962	.13	.16	.23	.02	.55	.10	.40	.78	.15	.29	.15	.14	3.10
1963	.14	.19	.30	.04	.16	.42	.97	.87	.53	.59	.13	.10	4.44
1964	-.08	.07	.03	.13	.25	.54	.97	.68	.08	.37	-.08	.20	3.16
1965	.00	-.15	.16	.17	-.35	.43	.88	.61	.50	.29	.12	.03	2.69

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
1958	2.9	2.8	3.2	4.1	4.9	7.6	7.8	7.4	5.3	5.1	4.5	3.4	59.0
1959	3.6	2.6	4.2	3.9	4.5	5.2	6.4	6.8	6.2	5.8	5.5	3.3	58.0
1960	2.6	2.8	3.4	4.6	5.7	6.5	7.0	6.9	7.5	5.0	4.2	2.8	59.0
1961	2.6	2.7	3.6	4.7	5.3	5.4	6.5	8.0	7.1	6.3	4.0	3.8	60.0
1962	2.4	2.7	3.5	3.1	5.9	5.0	8.2	8.5	6.2	5.2	4.3	3.0	58.0
1963	2.7	2.7	3.3	3.4	4.4	6.0	8.3	9.4	7.4	7.9	6.2	3.3	65.0
1964	3.9	2.8	3.3	4.0	4.4	6.4	9.9	8.6	7.5	6.1	4.3	2.8	64.0
1965	3.2	2.7	3.0	4.0	4.3	5.5	8.7	8.4	6.3	5.2	3.2	2.5	57.0

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	.09	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
1958	.07	.15	.02	-.16	.18	.50	.48	.39	-.03	.27	.22	.18	2.27
1959	.28	-.01	.28	.04	-.04	-.02	.31	.45	.34	-.07	.37	-.05	1.88
1960	-.05	.05	.21	.22	.31	.24	.36	.28	.48	.16	.23	-.36	2.13
1961	-.13	-.03	.03	.32	.23	.02	.42	.60	.31	.33	.03	.11	2.24
1962	.10	.05	.21	-.08	.33	.06	.27	.63	.08	.06	.11	.14	1.96
1963	.16	.20	.18	-.19	.11	.33	.59	.74	.52	.65	.31	.13	3.73
1964	.13	.10	.02	.07	.14	.44	.79	.58	.10	.46	.05	.16	3.04
1965	.08	-.14	.10	.21	-.33	.33	.72	.57	.18	.31	.04	.04	2.11

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
1958	2.2	2.1	2.5	3.1	3.8	5.8	5.9	5.6	4.1	3.9	3.4	2.6	45.0
1959	2.7	2.0	3.2	3.0	3.4	3.9	4.9	5.2	4.7	4.4	4.1	2.5	44.0
1960	2.1	2.2	2.6	3.6	4.5	5.0	5.5	5.4	5.8	3.9	3.2	2.2	46.0
1961	1.9	2.0	2.7	3.6	4.0	4.1	4.9	6.0	5.3	4.7	3.0	2.8	45.0
1962	1.7	1.9	2.6	2.3	4.3	3.6	6.0	6.1	4.4	3.8	3.1	2.2	42.0
1963	2.2	2.2	2.7	2.8	3.6	5.0	6.9	7.8	6.2	6.6	5.2	2.8	54.0
1964	2.9	2.1	2.5	3.0	3.3	4.8	7.4	6.5	5.6	4.6	3.2	2.1	48.0
1965	2.5	2.1	2.3	3.1	3.3	4.3	6.7	6.5	4.8	4.0	2.5	1.9	44.0

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
1958	-.02	.05	.03	-.24	.07	.12	.28	.29	-.17	.16	.11	.15	0.83
1959	.18	-.09	.10	-.07	-.25	-.04	.08	.30	.23	.08	.23	-.17	0.58
1960	-.10	-.03	.05	.14	.25	.01	.23	.29	.22	.08	.09	-.43	0.80
1961	-.16	-.08	-.08	.23	.17	-.18	.24	.36	.17	.25	-.11	-.08	0.73
1962	-.08	-.08	.08	-.10	.22	-.08	.23	.45	-.03	.00	-.04	.07	0.64
1963	.08	.11	.06	-.15	.08	.27	.39	.57	.35	.54	.19	.04	2.53
1964	.09	-.03	-.03	-.01	-.08	.29	.57	.39	.09	.35	.04	.06	1.73
1965	-.02	-.23	-.03	.17	-.50	.21	.48	.44	.06	.25	.09	-.04	0.88

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
1958	1.9	1.8	2.1	2.6	3.2	4.9	5.0	4.7	3.4	3.3	2.9	2.2	38.0
1959	2.3	1.7	2.7	2.5	3.0	3.4	4.2	4.5	4.1	3.8	3.6	2.2	38.0
1960	2.2	2.3	2.7	3.7	4.6	5.3	5.7	5.6	6.1	4.1	3.4	2.3	48.0
1961	1.9	1.9	2.6	3.5	3.9	4.0	4.8	5.9	5.2	4.6	2.9	2.8	44.0
1962	1.8	2.1	2.7	2.4	4.6	3.9	6.4	6.6	4.8	4.1	3.3	2.3	45.0
1963	2.0	2.0	2.4	2.5	3.2	4.5	6.1	6.9	5.5	5.9	4.6	2.4	48.0
1964	2.9	2.2	2.6	3.0	3.4	4.9	7.5	6.6	5.7	4.7	3.3	2.2	49.0
1965	2.6	2.2	2.5	3.3	3.5	4.6	7.1	7.0	5.2	4.3	2.6	2.1	47.0

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
1958	-.12	.01	.01	-.32	-.03	.01	.30	.22	-.19	.16	.08	.15	0.28
1959	.13	-.13	.06	-.11	-.28	.00	-.08	.25	.16	.17	.13	-.22	0.08
1960	-.10	-.07	.03	.17	.27	.15	.33	.29	.07	.13	.04	-.44	0.87
1961	-.09	-.08	-.11	.19	.21	-.27	.06	.41	.14	.18	-.08	-.10	0.46
1962	-.22	-.02	.06	-.15	.18	.01	.38	.52	.13	.10	-.03	.06	1.02
1963	.03	.05	.05	-.21	.14	.18	.30	.44	.25	.49	.12	-.08	1.76
1964	.13	-.03	-.08	-.14	.07	.33	.53	.22	.17	.34	.09	-.10	1.53
1965	-.15	-.26	-.11	.18	-.31	.12	.54	.44	.18	.34	.17	-.07	1.07

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
1958	2.6	3.4	3.9	8.3	9.7	11.3	11.7	10.7	7.8	4.9	3.3	3.4	81.0
1959	3.2	2.8	5.6	7.1	9.8	10.5	10.6	9.6	9.5	6.9	4.2	3.2	83.0
1960	2.4	3.9	6.2	7.6	9.7	10.8	9.1	10.1	9.6	6.7	4.5	2.4	83.0
1961	3.1	4.1	6.4	8.0	10.2	10.6	10.9	9.4	8.4	7.7	3.1	3.1	85.0
1962	2.5	4.1	4.9	8.1	10.8	11.4	9.2	11.6	7.0	6.1	4.6	2.7	83.0
1963	3.1	3.5	6.2	8.3	9.5	11.4	11.5	9.3	7.7	6.2	4.1	3.2	84.0
1964	3.6	3.9	5.7	7.7	10.1	11.2	11.6	10.7	8.5	6.3	5.2	3.5	88.0
1965	3.6	3.4	5.8	7.7	10.5	11.0	13.1	11.4	8.6	6.9	5.2	2.8	90.0

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
1958	.15	.19	.17	.68	.78	.86	.89	.81	.25	.26	.25	.28	5.57
1959	.26	.23	.46	.58	.79	.83	.85	.64	.79	.54	.34	.22	6.53
1960	.13	.30	.51	.63	.81	.84	.54	.79	.79	.49	.37	.09	6.29
1961	.22	.34	.52	.67	.84	.88	.84	.68	.61	.63	.16	.21	6.60
1962	.14	.29	.40	.66	.90	.93	.54	.97	.31	.43	.37	.19	6.13
1963	.25	.26	.52	.69	.78	.93	.87	.67	.57	.46	.29	.26	6.55
1964	.30	.33	.40	.64	.83	.93	.93	.75	.63	.50	.44	.25	6.93
1965	.28	.24	.47	.64	.86	.87	1.06	.86	.55	.56	.44	.15	6.98

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
1958	2.6	3.4	3.9	8.4	9.9	11.4	11.9	10.8	7.9	5.0	3.4	3.4	82.0
1959	3.1	2.7	5.4	6.7	9.3	10.0	10.1	9.2	9.0	6.5	4.0	3.0	79.0
1960	2.3	3.7	5.9	7.1	9.1	10.2	8.5	9.5	9.0	6.2	4.2	2.3	78.0
1961	3.0	3.9	6.1	7.6	9.7	10.1	10.4	8.9	8.0	7.4	3.0	2.9	81.0
1962	2.6	4.2	5.1	8.4	11.2	11.9	9.6	12.1	7.2	6.4	4.7	2.6	86.0
1963	3.2	3.6	6.4	8.5	9.7	11.6	11.8	9.5	7.9	6.3	4.2	3.3	86.0
1964	3.8	4.0	6.1	8.2	10.7	11.8	12.3	11.3	8.9	6.7	5.5	3.7	93.0
1965	3.6	3.4	5.7	7.8	10.5	11.0	13.1	11.4	8.6	6.9	5.2	2.8	90.0

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	.57	.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
1958	.12	.23	.23	.66	.81	.92	.88	.78	.41	.24	.26	.28	5.82
1959	.26	.23	.44	.56	.68	.72	.79	.68	.73	.48	.28	.24	6.09
1960	.12	.28	.48	.59	.75	.78	.40	.72	.73	.37	.33	.08	5.63
1961	.18	.32	.48	.63	.79	.81	.83	.67	.61	.59	.16	.23	6.30
1962	.17	.33	.41	.68	.93	.96	.59	1.00	.33	.41	.35	.17	6.33
1963	.26	.27	.53	.71	.79	.93	.83	.55	.60	.45	.33	.26	6.51
1964	.32	.33	.46	.68	.85	.96	.96	.77	.68	.53	.45	.27	7.26
1965	.28	.23	.47	.65	.77	.83	1.07	.77	.63	.58	.42	.17	6.87

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
1958	2.5	3.3	3.7	7.9	9.4	10.8	11.3	10.3	7.5	4.8	3.2	3.3	78.0
1959	3.1	2.7	5.5	6.8	9.5	10.2	10.2	9.3	9.1	6.6	4.0	3.0	80.0
1960	2.3	3.7	5.8	7.1	9.1	10.2	8.5	9.5	9.1	6.2	4.2	2.3	78.0
1961	2.8	3.7	5.8	7.2	9.2	9.6	9.9	8.5	7.6	7.0	2.9	2.8	77.0
1962	2.7	4.3	5.2	8.7	11.6	12.3	9.9	12.5	7.5	6.6	4.9	2.8	89.0
1963	3.2	3.7	6.4	8.6	9.8	11.7	11.9	9.7	8.0	6.4	4.3	3.3	87.0
1964	3.9	4.1	6.2	8.5	11.1	12.2	12.7	11.7	9.2	6.9	5.7	3.8	96.0
1965	3.5	3.3	5.6	7.6	10.3	10.7	12.8	11.2	8.4	6.8	5.1	2.7	88.0

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
1958	.08	.22	.23	.61	.76	.77	.79	.72	.35	.23	.24	.28	5.28
1959	.26	.22	.46	.57	.61	.70	.73	.69	.72	.46	.27	.23	5.92
1960	.14	.28	.48	.59	.73	.78	.30	.60	.73	.25	.33	.06	5.27
1961	.15	.30	.45	.60	.73	.69	.76	.63	.58	.56	.17	.22	5.84
1962	.19	.35	.42	.70	.95	.98	.63	1.03	.42	.45	.38	.18	6.68
1963	.26	.28	.53	.70	.75	.94	.93	.54	.60	.46	.33	.27	6.59
1964	.33	.34	.48	.71	.85	.94	.99	.84	.66	.54	.47	.29	7.44
1965	.28	.23	.46	.63	.73	.79	1.01	.81	.63	.57	.41	.17	6.72

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
1958	2.6	2.9	3.8	7.3	8.1	10.6	11.0	9.5	5.8	4.0	3.5	2.9	72.0
1959	2.9	3.2	6.6	6.2	9.0	9.7	9.7	10.2	9.8	5.8	4.0	2.9	80.0
1960	2.0	2.9	4.2	6.6	9.4	10.8	8.8	7.8	7.2	5.2	3.2	1.9	70.0
1961	1.7	3.0	5.2	7.5	9.4	8.7	10.3	10.6	7.8	6.8	2.5	2.5	76.0
1962	2.1	4.4	5.8	7.5	11.9	11.7	10.7	13.7	7.8	6.2	3.9	2.3	88.0
1963	3.0	3.4	6.2	8.4	8.6	10.4	12.9	9.4	7.1	6.2	4.2	2.2	82.0
1964	4.0	3.2	5.4	8.9	10.4	11.1	13.3	12.1	7.8	5.9	4.8	4.1	91.0
1965	3.5	3.0	4.7	7.5	8.9	10.4	13.2	9.3	8.5	6.0	4.5	2.5	82.0

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
1958	.07	.16	.26	.54	.61	.73	.80	.56	.21	.20	.27	.24	4.65
1959	.24	.25	.53	.47	.55	.74	.55	.79	.77	.35	.29	.20	5.73
1960	.13	.23	.34	.54	.68	.83	.38	.40	.57	.16	.26	.01	4.53
1961	.09	.25	.41	.63	.72	.58	.68	.85	.60	.54	.14	.19	5.68
1962	.15	.37	.48	.57	.91	.90	.74	1.11	.48	.42	.31	.15	6.59
1963	.25	.26	.52	.68	.58	.73	1.04	.63	.52	.50	.32	.17	6.20
1964	.33	.27	.42	.74	.79	.81	1.08	.95	.39	.46	.39	.31	6.94
1965	.29	.18	.38	.63	.60	.74	.98	.69	.67	.50	.36	.18	6.20

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
1958	2.5	2.5	3.1	6.2	7.5	10.9	12.1	10.3	6.0	4.1	3.7	3.1	72.0
1959	3.2	2.7	6.5	6.3	8.5	8.9	8.4	9.8	10.2	5.6	3.8	3.1	77.0
1960	2.7	3.5	3.7	5.8	8.1	10.1	9.2	8.2	9.0	6.0	4.2	2.5	73.0
1961	2.2	2.7	5.0	6.3	7.7	7.6	9.3	9.9	8.0	6.9	3.5	2.9	72.0
1962	2.7	4.3	5.8	6.6	10.2	9.7	10.6	13.2	8.4	6.9	4.6	3.0	86.0
1963	3.0	4.1	5.8	7.0	7.6	8.6	11.8	9.4	7.8	6.6	5.3	3.0	80.0
1964	4.1	3.6	5.6	7.4	8.7	10.1	11.9	12.0	8.6	6.1	5.0	3.9	87.0
1965	3.6	3.2	4.2	6.0	6.9	8.5	11.4	9.7	9.1	6.8	4.8	2.8	77.0

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
1958	.06	.10	.20	.45	.48	.82	.91	.58	.28	.17	.27	.26	4.58
1959	.27	.20	.52	.48	.38	.61	.38	.78	.75	.23	.25	.18	5.03
1960	.13	.25	.29	.46	.54	.74	.44	.51	.74	.31	.34	.08	4.83
1961	.08	.19	.37	.53	.51	.44	.46	.82	.56	.55	.17	.22	4.90
1962	.20	.35	.45	.48	.78	.68	.73	.99	.50	.50	.35	.20	6.21
1963	.25	.29	.48	.52	.42	.52	.92	.70	.57	.54	.38	.23	5.82
1964	.33	.28	.43	.62	.62	.78	.95	.92	.27	.47	.39	.29	6.35
1965	.29	.12	.35	.48	.35	.58	.93	.65	.68	.48	.38	.22	5.51

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
1958	3.0	3.0	3.4	4.9	6.4	9.1	11.2	13.1	7.1	5.9	4.9	4.0	76.0
1959	3.5	3.6	5.2	5.4	6.6	8.9	9.1	10.6	11.1	6.7	4.8	3.5	79.0
1960	2.7	3.3	2.8	4.9	6.7	9.8	9.4	9.9	10.0	6.8	4.9	2.8	74.0
1961	2.1	2.6	4.6	5.8	7.2	7.3	8.7	10.4	9.2	8.0	4.1	3.0	73.0
1962	2.8	4.2	5.4	5.6	9.1	8.9	11.0	13.0	8.8	7.6	5.2	3.4	85.0
1963	3.1	3.9	5.3	6.0	6.6	7.5	12.4	11.4	9.3	8.4	6.5	3.6	84.0
1964	3.9	3.5	5.4	6.4	7.6	9.2	11.5	12.4	9.2	6.9	5.3	3.7	85.0
1965	3.6	3.2	4.1	5.6	5.1	7.6	11.3	10.1	9.4	7.2	4.8	3.0	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	.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
1958	.13	.12	.19	.29	.39	.64	.90	.92	.44	.23	.37	.33	4.95
1959	.29	.28	.41	.39	.28	.55	.39	.85	.80	.14	.36	.16	4.90
1960	.12	.21	.21	.35	.44	.71	.42	.79	.82	.38	.41	.08	4.94
1961	-.03	.12	.33	.46	.26	.29	.38	.86	.61	.60	.20	.23	4.31
1962	.23	.34	.38	.38	.73	.66	.73	.93	.58	.55	.41	.20	6.12
1963	.26	.27	.44	.36	.35	.45	1.00	.79	.70	.68	.41	.28	5.99
1964	.29	.23	.36	.52	.48	.72	.88	.89	.23	.54	.36	.28	5.78
1965	.29	.11	.34	.38	.08	.42	.89	.68	.64	.38	.34	.22	4.77

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
1958	2.3	2.2	2.5	5.2	7.1	11.3	13.4	11.2	6.3	4.2	3.8	3.5	73.0
1959	3.7	2.4	7.0	6.9	8.6	8.7	7.9	10.5	11.7	5.9	4.1	3.6	81.0
1960	2.7	3.8	4.4	6.9	8.6	11.8	11.5	10.8	9.7	7.0	4.2	2.6	84.0
1961	2.2	3.1	5.6	8.4	9.4	8.8	9.1	11.5	8.6	6.6	3.4	3.3	80.0
1962	3.0	4.8	6.7	7.0	10.6	10.0	11.7	13.0	8.5	7.5	4.4	2.8	90.0
1963	3.5	3.5	7.1	8.1	7.6	8.2	12.8	11.0	8.1	7.1	5.8	2.2	85.0
1964	4.2	3.2	6.3	7.0	8.9	11.7	13.5	13.5	8.5	6.5	4.7	4.0	92.0
1965	4.0	2.6	4.2	7.1	6.5	9.3	13.4	11.2	9.5	6.9	5.1	3.2	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
1958	.04	-.03	.10	.29	.34	.84	1.08	.78	.28	.18	.25	.28	4.43
1959	.31	.17	.57	.43	.50	.39	.20	.86	.68	.08	.26	.13	4.58
1960	.04	.27	.35	.47	.54	.95	.73	.78	.76	.34	.34	.03	5.60
1961	-.12	.18	.44	.68	.45	.28	.54	.90	.42	.40	.16	.25	4.58
1962	.25	.39	.50	.42	.87	.74	.80	1.02	.50	.51	.32	.17	6.49
1963	.29	.23	.59	.51	.33	.47	1.06	.68	.62	.58	.29	.16	5.81
1964	.27	.15	.46	.50	.60	.89	1.06	.95	.43	.48	.25	.32	6.36
1965	.28	.03	.33	.53	.07	.54	1.10	.75	.62	.42	.37	.19	5.23

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
1958	2.4	2.5	2.4	5.0	6.8	9.7	12.4	11.4	6.3	4.4	4.4	3.3	71.0
1959	2.7	2.1	6.5	6.7	6.7	8.1	7.9	10.0	9.4	6.1	3.4	3.4	73.0
1960	2.6	3.4	4.6	6.4	7.4	11.2	11.0	9.3	9.6	6.6	5.1	1.8	79.0
1961	2.3	2.8	5.0	6.9	7.7	7.0	8.3	9.3	8.1	6.2	2.8	2.6	69.0
1962	2.9	4.5	5.4	6.1	9.6	8.9	10.5	12.3	8.5	7.6	4.5	3.2	84.0
1963	2.5	3.7	6.0	7.1	7.2	8.4	12.7	11.7	8.6	7.9	5.5	2.7	84.0
1964	3.9	3.0	5.2	6.4	7.1	9.2	11.7	11.3	6.6	5.7	3.6	3.3	77.0
1965	3.4	2.4	3.6	5.0	4.8	7.5	10.7	9.5	8.8	5.4	3.6	2.3	67.0

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
1958	.01	-.02	.04	.23	.25	.63	.96	.81	.23	.24	.27	.23	3.88
1959	.23	.09	.54	.40	.32	.14	.28	.79	.56	.00	.19	.09	3.63
1960	-.03	.19	.34	.39	.48	.87	.77	.56	.68	.25	.40	-.14	4.76
1961	-.10	.08	.38	.53	.38	-.01	.44	.72	.41	.24	.12	.17	3.36
1962	.24	.33	.41	.28	.76	.39	.72	.95	.45	.35	.27	.20	5.35
1963	.19	.23	.48	.45	.18	.48	1.04	.82	.63	.60	.20	.17	5.47
1964	.15	.13	.31	.31	.48	.69	.95	.74	.05	.37	.16	.25	4.59
1965	.12	-.06	.27	.37	-.23	.46	.84	.71	.63	.27	.17	.06	3.61

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
1958	2.7	2.3	2.7	4.3	6.2	8.8	11.3	10.8	6.6	4.5	4.4	3.4	68.0
1959	2.6	2.1	5.1	4.9	5.2	6.9	7.3	8.1	8.3	7.2	4.8	3.5	66.0
1960	2.9	3.1	3.7	5.5	6.2	8.8	9.8	8.7	9.2	6.2	4.6	2.3	71.0
1961	2.3	2.5	3.9	5.7	6.4	6.6	7.3	8.2	7.9	6.0	3.5	2.7	63.0
1962	3.2	3.7	4.4	4.7	7.5	7.2	9.5	11.9	8.2	7.2	4.6	2.9	75.0
1963	2.3	2.9	4.3	5.2	5.7	7.4	10.4	10.8	8.5	7.3	5.4	2.8	73.0
1964	3.2	2.5	3.9	4.8	5.2	7.6	9.6	10.3	6.4	5.8	3.8	2.9	66.0
1965	2.8	2.4	3.0	3.7	3.6	5.7	9.3	8.8	7.9	5.2	3.2	2.4	58.0

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
1958	.07	.04	.05	.08	.27	.52	.83	.82	.28	.20	.24	.18	3.58
1959	.22	.06	.42	.23	.24	.02	.33	.42	.54	-.07	.34	.08	2.83
1960	.01	.13	.23	.31	.35	.57	.64	.53	.60	.18	-.20	-.17	3.18
1961	-.15	-.07	.24	.39	.38	.02	.28	.66	.45	.24	.15	.14	2.73
1962	.24	.24	.33	.08	.53	.20	.69	.95	.36	.29	.24	.14	4.29
1963	.16	.19	.33	.29	.17	.35	.83	.78	.58	.54	.08	.16	4.46
1964	.02	.08	.10	.11	.33	.46	.76	.60	.10	.33	.11	.18	3.18
1965	.02	-.09	.20	.23	-.44	.42	.73	.62	.57	.13	.04	.03	2.46

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	11.9	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	5.8	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
1958	3.0	2.3	3.1	3.8	5.8	8.5	10.9	10.9	7.2	5.1	4.7	3.7	69.0
1959	2.5	2.1	3.8	3.3	3.9	5.8	6.7	6.5	7.3	7.9	5.7	3.5	59.0
1960	3.0	2.7	2.7	4.4	4.9	6.5	8.4	7.9	8.5	5.5	3.8	2.7	61.0
1961	2.5	2.4	3.5	5.5	6.2	7.2	7.6	8.7	9.3	6.9	4.8	3.4	68.0
1962	3.2	3.0	3.6	3.6	5.8	5.8	8.6	11.3	8.0	6.8	4.6	2.7	67.0
1963	2.2	2.4	3.2	4.0	4.8	6.9	9.0	10.7	8.8	7.3	5.6	3.1	68.0
1964	2.9	2.2	3.1	3.7	4.1	6.7	8.5	10.0	6.6	6.3	4.1	2.8	61.0
1965	2.6	2.7	2.8	2.8	2.8	4.7	8.9	8.8	7.8	5.3	3.1	2.7	55.0

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
1958	.10	-.08	.12	-.01	.17	.54	.79	.67	.23	.28	.26	.20	3.27
1959	.19	-.03	.28	.04	.09	.04	.33	.26	.41	.08	.41	.04	2.14
1960	.08	.08	.14	.21	.25	.25	.58	.50	.60	.06	.19	-.26	2.68
1961	-.18	-.13	.16	.41	.40	.01	.22	.68	.53	.38	.16	.17	2.81
1962	.20	.13	.24	.01	.33	.11	.68	.88	.39	.29	.18	.08	3.52
1963	.13	.18	.22	.12	.11	.40	.64	.79	.63	.55	.13	.14	4.04
1964	-.01	.04	.04	.09	.18	.18	.67	.65	.13	.42	.02	.16	2.57
1965	-.03	-.08	.13	.13	-.57	.32	.69	.60	.38	.23	-.03	.01	1.78

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
1958	2.3	2.0	2.5	3.0	4.1	6.2	7.1	6.9	4.7	4.0	3.5	2.7	49.0
1959	2.5	1.9	3.3	3.0	3.4	4.5	5.4	5.5	5.5	5.6	4.6	2.8	48.0
1960	2.2	2.2	2.4	3.5	4.2	5.1	6.0	5.8	6.2	4.1	3.1	2.2	47.0
1961	2.0	2.0	2.7	3.9	4.4	4.8	5.4	6.4	6.2	5.0	3.4	2.8	49.0
1962	2.5	2.5	3.1	3.0	5.2	4.7	7.4	8.6	6.2	5.3	4.0	2.5	55.0
1963	2.1	2.2	2.8	3.2	4.0	5.7	7.5	8.8	7.0	6.7	5.2	2.8	58.0
1964	3.2	2.4	3.0	3.6	4.0	6.2	8.7	8.8	6.7	5.8	3.9	2.7	59.0
1965	3.0	2.8	3.0	3.5	3.6	5.3	9.1	8.9	7.3	5.5	3.3	2.7	58.0

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	.21	.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
1958	.03	-.05	.10	-.06	.08	.33	.45	.28	-.10	.16	.17	.11	1.50
1959	.18	-.08	.22	-.13	-.16	-.03	.14	.31	.24	.07	.27	-.01	1.02
1960	-.05	.01	.09	.08	.24	-.03	.44	.24	.46	-.12	-.03	-.31	1.02
1961	-.20	-.12	-.02	.26	.19	-.09	.19	.46	.17	.28	.08	.01	1.21
1962	.04	.05	.18	-.04	.28	-.03	.60	.68	.24	.11	.08	.05	2.24
1963	.10	.10	.13	-.10	.05	.32	.52	.67	.43	.53	.17	.05	2.97
1964	.03	.03	.04	.08	.18	.35	.67	.43	.18	.35	.09	.15	2.58
1965	.02	-.08	-.02	.16	-.43	.30	.69	.68	.28	.35	-.03	-.04	1.88

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
1958	1.9	1.8	2.4	3.0	3.8	5.3	6.2	5.6	3.7	3.5	2.7	2.1	42.0
1959	2.2	1.8	3.1	3.0	3.9	4.4	5.1	5.4	4.6	4.0	3.3	2.2	43.0
1960	1.6	2.0	2.5	3.5	4.5	5.1	5.6	4.9	5.2	3.6	2.7	1.8	43.0
1961	1.7	2.1	2.6	3.5	4.2	4.1	4.3	5.4	4.9	4.3	2.6	2.3	42.0
1962	1.4	1.8	2.4	2.5	4.3	3.8	5.9	6.3	4.2	3.7	2.7	2.0	41.0
1963	1.7	1.8	2.6	3.1	4.1	4.8	5.8	6.9	5.0	4.8	3.4	2.0	46.0
1964	2.8	2.4	3.1	3.7	4.7	6.1	8.2	7.3	6.4	5.5	3.5	2.3	56.0
1965	2.5	2.1	2.7	3.5	3.9	5.1	7.1	6.5	5.6	4.2	2.7	2.1	48.0

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
1958	-.10	-.02	.07	.03	.13	.13	.40	.09	-.41	.16	.10	.08	0.66
1959	.15	-.08	.19	-.18	-.21	.10	.03	.23	.25	.08	.09	-.12	0.53
1960	-.09	-.08	.09	.12	.30	-.11	.39	.10	.29	-.08	-.18	-.32	0.43
1961	-.26	-.11	-.07	.21	.25	-.13	.09	.33	.03	.28	.03	-.17	0.48
1962	-.19	.02	.12	-.16	.20	-.13	.43	.47	-.03	.18	-.06	-.08	0.77
1963	.01	-.03	.11	-.02	.17	.11	.37	.49	.23	.37	-.01	-.08	1.72
1964	.03	.03	-.02	-.07	.13	.38	.59	.38	.24	.36	.06	.04	2.15
1965	.02	-.17	-.04	.21	-.26	.28	.53	.38	.15	.22	.00	-.26	1.06

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
1958	1.8	1.7	2.3	2.9	3.6	5.0	5.9	5.4	3.5	3.4	2.5	2.0	40.0
1959	2.1	1.7	3.0	2.9	3.7	4.2	4.8	5.1	4.4	3.9	3.1	2.1	41.0
1960	1.5	1.8	2.3	3.2	4.2	4.8	5.2	4.6	4.8	3.4	2.5	1.7	40.0
1961	1.6	2.0	2.4	3.2	3.9	3.9	4.0	5.0	4.5	4.0	2.4	2.1	39.0
1962	1.6	2.0	2.7	2.8	4.9	4.3	6.6	7.0	4.8	4.1	3.0	2.2	46.0
1963	1.6	1.7	2.5	2.9	3.9	4.6	5.5	6.6	5.0	4.6	3.2	1.9	44.0
1964	2.4	2.1	2.7	3.2	4.1	5.3	7.2	6.4	5.6	4.8	3.1	2.1	49.0
1965	2.1	1.7	2.3	2.9	3.1	4.3	5.9	5.4	4.7	3.5	2.3	1.8	40.0

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
1958	-.20	-.03	.04	.00	.09	.11	.37	.11	-.47	.21	.02	.08	0.33
1959	.10	-.16	.12	-.15	.15	.11	-.07	.21	.23	-.03	.07	-.23	0.35
1960	-.11	-.15	.09	.08	.29	-.05	.24	-.05	.22	.00	-.13	-.31	0.12
1961	-.30	-.08	-.18	.20	.21	-.02	-.01	.31	-.05	.24	-.04	-.25	0.03
1962	-.13	.07	.13	-.16	.19	.04	.43	.40	.08	.21	-.09	-.16	1.01
1963	.00	-.09	.14	-.01	.20	-.02	.13	.47	.15	.35	-.06	-.08	1.18
1964	-.08	.02	-.09	-.27	.10	.34	.52	.34	.21	.33	.07	-.10	1.39
1965	.01	-.22	-.11	.18	-.31	.15	.38	.32	.04	.27	.01	-.33	0.39

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.

GROSS LAKE SURFACE EVAPORATION RATES IN INCHES

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
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
1958	1.6	1.6	2.2	2.9	3.6	4.7	6.1	5.4	3.3	3.1	2.0	1.5	38.0
1959	1.5	1.3	2.6	2.7	3.5	4.0	4.4	4.6	3.8	3.0	2.1	1.5	35.0
1960	1.2	1.8	2.3	3.3	4.5	5.1	5.7	4.4	4.6	3.4	2.3	1.4	40.0
1961	1.5	1.7	2.4	3.3	4.2	4.1	4.1	4.7	4.3	3.8	2.2	1.7	38.0
1962	1.1	1.6	2.2	2.6	4.3	3.9	5.7	6.2	4.0	3.5	2.2	1.7	39.0
1963	1.3	1.4	2.5	3.2	4.4	4.6	5.0	5.6	4.1	3.5	2.0	1.4	39.0
1964	1.6	1.7	2.5	2.8	4.0	4.7	5.8	5.2	4.5	4.1	2.5	1.6	41.0
1965	1.9	1.4	2.3	2.8	3.3	4.4	5.4	4.8	4.6	3.3	2.2	1.6	38.0

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	-.04	-.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
1958	-.15	-.07	-.17	-.09	.11	-.03	.33	-.02	-.67	.13	-.03	.07	-0.59
1959	-.04	-.25	.06	-.22	.03	.04	-.11	.20	.16	-.04	.03	-.30	-0.44
1960	-.22	-.27	-.02	.12	.24	-.00	.27	-.18	.20	-.03	-.17	-.35	-0.41
1961	-.36	-.28	-.28	.17	.21	-.11	-.03	.25	-.10	.23	-.18	-.40	-0.88
1962	-.26	-.02	.06	-.19	.05	-.03	.39	.12	.04	.14	-.13	-.14	0.03
1963	-.03	-.09	.09	.00	.18	.12	.09	.37	.13	.26	-.20	-.19	0.73
1964	-.19	-.03	-.22	-.32	.05	.31	.27	.10	.17	.31	-.08	-.23	0.14
1965	-.08	-.26	-.26	.18	-.24	.16	.36	.14	-.01	.23	-.02	-.33	-0.13

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
1958	3.0	3.3	4.3	8.3	9.2	12.1	12.5	10.8	6.6	4.6	4.0	3.3	82.0
1959	3.1	3.5	7.1	6.8	9.8	10.5	10.5	11.1	10.7	6.4	4.4	3.1	87.0
1960	2.1	3.2	4.6	7.1	10.3	11.7	9.5	8.5	7.8	5.6	3.5	2.1	76.0
1961	1.7	3.1	5.3	7.7	9.7	8.9	10.6	10.8	8.0	7.0	2.6	2.6	78.0
1962	2.2	4.7	6.1	7.9	12.5	12.4	11.3	14.5	8.3	6.6	4.1	2.4	93.0
1963	3.2	3.7	6.7	9.0	9.2	11.1	13.8	10.1	7.7	6.6	4.5	2.4	88.0
1964	4.3	3.4	5.7	9.5	11.1	11.8	14.2	12.9	8.3	6.3	5.1	4.4	97.0
1965	4.0	3.3	5.2	8.5	10.0	11.7	14.8	10.4	9.5	6.7	5.1	2.8	92.0

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	.57	.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	.76	.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
1958	.09	.21	.28	.67	.69	.88	.82	.70	.17	.23	.30	.27	5.31
1959	.25	.26	.59	.53	.69	.80	.78	.81	.82	.44	.29	.22	6.48
1960	.09	.23	.33	.58	.85	.88	.46	.44	.59	.30	.25	.05	5.05
1961	.05	.24	.43	.63	.68	.54	.80	.76	.58	.53	.18	.21	5.63
1962	.13	.38	.50	.63	1.03	.84	.69	1.12	.46	.48	.27	.15	6.68
1963	.26	.28	.56	.74	.70	.88	.98	.55	.41	.48	.36	.18	6.38
1964	.36	.28	.45	.78	.87	.93	1.03	.88	.53	.50	.43	.34	7.38
1965	.32	.21	.41	.70	.71	.83	1.16	.63	.63	.56	.38	.17	6.71

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
1958	2.8	3.1	4.1	7.8	8.6	11.3	11.8	10.2	6.1	4.3	3.8	3.1	77.0
1959	3.0	3.3	6.8	6.5	9.4	10.0	10.0	10.5	10.2	6.1	4.2	3.0	83.0
1960	2.0	3.1	4.4	6.9	9.8	11.2	9.1	8.2	7.5	5.4	3.4	2.0	73.0
1961	1.6	2.9	5.0	7.3	9.2	8.4	10.0	10.3	7.6	6.7	2.5	2.5	74.0
1962	2.2	4.5	5.9	7.6	12.2	12.0	10.9	14.0	8.0	6.4	4.0	2.3	90.0
1963	3.1	3.7	6.6	8.9	9.1	11.1	13.7	10.0	7.6	6.5	4.4	2.3	87.0
1964	4.0	3.2	5.4	8.9	10.4	11.1	13.3	12.1	7.8	5.9	4.8	4.1	91.0
1965	3.6	3.0	4.8	7.7	9.2	10.7	13.5	9.5	8.7	6.1	4.6	2.6	84.0

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
1958	.13	.19	.26	.62	.57	.82	.88	.73	.15	.15	.29	.26	5.05
1959	.25	.23	.57	.49	.61	.73	.63	.74	.77	.42	.29	.21	5.94
1960	.05	.23	.29	.53	.79	.81	.43	.48	.60	.24	.25	.03	4.73
1961	.04	.23	.41	.59	.69	.48	.57	.75	.58	.47	.16	.19	5.16
1962	.16	.35	.47	.62	.91	.82	.79	1.09	.48	.44	.27	.13	6.53
1963	.26	.27	.53	.68	.53	.79	1.04	.64	.45	.50	.29	.16	6.14
1964	.32	.27	.42	.73	.78	.69	.93	.83	.35	.45	.36	.28	6.41
1965	.29	.15	.38	.64	.60	.71	1.08	.70	.62	.50	.35	.19	6.21

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
1958	3.0	2.8	3.3	6.2	6.9	10.0	12.7	12.0	7.2	4.6	4.1	3.2	76.0
1959	3.2	4.1	6.3	7.2	9.7	9.8	9.4	10.8	9.2	6.1	3.8	3.4	83.0
1960	2.9	3.6	5.3	7.3	9.9	12.4	10.0	9.3	8.7	5.7	3.9	2.0	81.0
1961	2.0	2.6	4.9	6.8	8.0	8.0	9.3	9.3	8.4	6.0	3.7	3.0	72.0
1962	2.6	4.6	6.0	6.3	10.6	10.4	12.0	13.4	9.5	7.1	4.5	3.0	90.0
1963	3.3	3.9	6.2	7.4	7.4	9.7	13.0	11.2	9.2	7.9	5.4	2.4	87.0
1964	3.7	3.1	5.0	7.1	8.4	10.0	12.0	11.7	8.6	6.2	4.5	3.7	84.0
1965	3.4	2.7	4.2	6.3	6.7	8.8	12.1	10.7	8.9	6.8	4.4	3.0	78.0

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
1958	.08	.12	.18	.47	.45	.74	.99	.91	.26	.17	.32	.26	4.95
1959	.27	.31	.51	.53	.58	.79	.43	.87	.73	.36	.25	.24	5.87
1960	.14	.23	.39	.55	.78	.94	.56	.56	.71	.24	.31	.03	5.44
1961	.03	.18	.39	.56	.54	.48	.63	.68	.61	.43	.25	.24	5.02
1962	.20	.34	.46	.48	.85	.75	.89	1.08	.74	.43	.33	.14	6.69
1963	.28	.27	.52	.48	.42	.71	1.03	.88	.62	.60	.38	.19	6.38
1964	.29	.25	.38	.57	.63	.76	.93	.85	.43	.47	.36	.27	6.19
1965	.28	.07	.33	.51	.41	.49	.99	.83	.61	.53	.35	.22	5.62

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
1958	2.8	2.8	3.3	5.1	6.2	8.9	10.9	12.7	6.9	5.7	4.8	3.9	74.0
1959	3.6	3.6	5.3	5.5	6.9	9.1	9.3	10.9	11.3	6.9	5.0	3.6	81.0
1960	2.1	3.0	3.3	5.2	7.1	11.4	8.6	10.9	9.7	7.1	4.0	2.6	75.0
1961	2.0	2.2	4.1	6.0	7.0	7.2	8.0	9.1	9.0	6.6	3.9	2.9	68.0
1962	2.8	4.6	5.4	5.4	9.2	9.8	12.4	13.9	10.0	8.0	5.1	3.4	90.0
1963	2.9	3.0	4.7	5.3	5.2	6.9	11.1	11.1	8.9	8.0	5.4	2.5	75.0
1964	3.2	2.7	4.5	5.6	6.7	8.4	10.6	11.0	8.3	6.4	4.5	3.1	75.0
1965	3.2	2.6	3.9	5.5	4.6	7.3	11.2	10.3	8.6	6.7	4.1	3.0	71.0

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
1958	.07	.11	.21	.35	.33	.58	.81	.83	.08	.18	.36	.32	4.23
1959	.30	.26	.43	.40	.28	.50	.43	.88	.86	.18	.34	.22	5.08
1960	.03	.16	.23	.41	.53	.82	.43	.85	.80	.40	.32	.10	5.08
1961	-.01	.14	.31	.50	.48	.20	.53	.69	.62	.50	.24	.22	4.42
1962	.23	.37	.41	.36	.72	.69	.93	1.11	.68	.41	.35	.22	6.48
1963	.24	.18	.38	.35	.21	.43	.91	.85	.67	.65	.30	.17	5.34
1964	.21	.16	.32	.39	.50	.67	.78	.83	.18	.46	.32	.21	5.03
1965	.25	.03	.31	.42	.13	.39	.92	.76	.59	.45	.27	.20	4.72

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
1958	2.9	2.1	2.8	4.9	6.9	8.6	12.2	12.0	6.5	3.6	3.3	3.2	69.0
1959	3.2	2.5	5.9	5.6	6.9	8.0	8.3	10.0	10.9	6.1	4.4	3.2	75.0
1960	2.1	3.1	3.5	5.0	6.6	10.9	8.9	8.7	8.4	5.7	3.1	2.0	68.0
1961	1.8	2.2	4.3	5.8	7.1	8.1	8.3	8.3	8.1	5.1	3.1	2.8	65.0
1962	3.5	5.1	6.8	6.2	9.9	9.9	12.3	13.2	9.8	7.6	4.5	3.2	92.0
1963	3.2	3.3	5.6	6.1	6.0	7.3	11.4	10.2	8.6	7.6	4.4	2.3	76.0
1964	3.3	2.8	5.0	5.6	6.5	8.8	11.3	11.1	7.4	4.6	3.8	2.8	73.0
1965	3.1	2.4	3.3	4.8	4.2	6.7	10.4	9.7	7.9	5.4	3.7	2.4	64.0

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
1958	.06	-.09	.10	.33	.41	.30	.98	.85	.01	.10	.20	.25	3.50
1959	.27	.13	.46	.32	.38	.21	.39	.74	.89	.08	.23	.06	4.16
1960	.06	.10	.19	.39	.53	.91	.58	.44	.65	.25	.22	-.04	4.28
1961	-.03	.12	.35	.47	.45	.10	.51	.64	.49	.27	.16	.23	3.76
1962	.29	.39	.54	.26	.78	.54	1.00	1.06	.49	.53	.30	.24	6.42
1963	.27	.19	.44	.41	.07	.53	.94	.76	.54	.56	.13	.11	4.95
1964	.13	.13	.32	.36	.40	.65	.74	.79	.10	.28	.30	.19	4.39
1965	.18	-.03	.26	.33	-.06	.39	.83	.68	.59	.34	.27	.10	3.88

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
1958	2.9	2.0	3.0	3.9	5.1	5.9	10.6	11.2	7.1	3.9	3.4	3.0	62.0
1959	2.6	2.3	4.9	4.5	4.9	7.5	8.6	8.9	9.7	6.1	4.9	3.1	68.0
1960	2.3	3.1	2.9	4.2	5.7	10.0	8.1	8.3	8.8	5.9	3.3	2.4	65.0
1961	1.9	2.3	3.8	5.1	6.4	8.2	8.2	9.6	8.9	5.7	4.0	2.9	67.0
1962	2.9	4.0	5.3	4.5	7.6	7.6	11.7	12.9	9.8	7.0	4.5	3.2	81.0
1963	2.8	2.7	3.9	4.4	4.7	6.8	10.4	10.4	8.8	7.6	3.9	2.6	69.0
1964	3.0	3.0	4.2	4.5	5.5	7.9	11.6	11.7	8.8	5.7	4.3	2.8	73.0
1965	3.1	2.6	2.9	3.5	2.9	5.9	9.6	10.3	9.2	5.2	4.5	2.3	62.0

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	.30	.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
1958	.03	-.10	.09	.23	.23	.14	.84	.75	.20	.06	.20	.21	2.88
1959	.18	.10	.40	.17	.23	.18	.62	.59	.67	.15	.35	.08	3.72
1960	.07	.12	.13	.28	.36	.81	.42	.27	.67	.09	.20	-.13	3.29
1961	.00	.01	.28	.42	.46	.04	.48	.66	.63	.28	.22	.18	3.66
1962	.23	.28	.40	.13	.56	.45	.93	1.02	.64	.43	.30	.20	5.57
1963	.23	.14	.29	.25	.12	.47	.84	.74	.53	.54	.07	.16	4.38
1964	.08	.13	.18	.20	.33	.59	.87	.75	.16	.37	.26	.18	4.10
1965	.13	-.13	.15	.12	-.31	.22	.71	.78	.64	.33	.28	.04	2.96

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
1958	2.1	1.8	2.7	3.1	3.6	5.3	9.5	9.4	7.3	4.4	3.8	3.0	56.0
1959	2.4	2.0	4.4	4.2	4.2	7.2	7.9	7.7	8.6	5.5	4.7	3.2	62.0
1960	2.5	3.1	2.6	4.1	5.1	7.8	7.8	8.1	8.6	5.9	3.7	2.7	62.0
1961	2.1	2.3	3.2	4.9	5.7	6.6	6.4	11.0	8.0	6.0	4.2	2.6	63.0
1962	2.2	3.0	4.1	4.0	6.6	6.1	10.6	12.6	8.7	6.7	4.4	3.0	72.0
1963	2.9	2.6	3.6	4.8	5.2	7.6	11.3	12.0	9.1	8.0	4.9	3.0	75.0
1964	2.6	2.8	3.1	3.3	4.8	6.9	10.5	11.0	9.0	6.7	4.4	2.9	68.0
1965	3.0	2.3	2.6	2.8	2.4	5.5	8.5	9.5	9.4	4.8	5.0	2.2	58.0

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	4.71
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
1958	-.02	-.17	.04	.13	-.13	.10	.77	.62	.19	.09	.21	.16	1.99
1959	.16	-.04	.36	.07	.21	.04	.45	.35	.58	-.16	.27	.04	2.33
1960	.03	.08	.08	.21	.35	.44	.29	.48	.58	-.10	.19	-.13	2.50
1961	.06	-.18	.20	.37	.41	.07	.14	.90	.38	.30	.20	.13	2.98
1962	.14	.20	.26	-.02	.40	.19	.86	.94	.45	.25	.23	.06	3.96
1963	.23	.10	.25	.24	.23	.48	.93	.90	.61	.49	.15	.15	4.76
1964	-.02	.09	.03	.07	.22	.49	.85	.65	.34	.38	.09	.18	3.37
1965	.08	-.19	.10	.07	-.38	.33	.59	.73	.50	.11	.27	-.08	2.13

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
1958	2.4	2.3	2.6	3.7	5.2	6.9	7.7	7.4	5.2	4.2	2.9	2.5	53.0
1959	1.9	1.8	3.6	3.7	5.1	7.2	7.4	6.5	6.1	5.1	3.4	2.2	54.0
1960	1.8	2.5	2.6	4.3	5.4	7.8	7.2	6.6	6.8	4.7	3.1	2.2	55.0
1961	2.0	2.5	3.2	4.6	5.4	6.0	7.2	7.8	6.5	5.0	2.5	2.3	55.0
1962	2.1	3.3	4.2	4.3	6.2	6.9	9.0	9.8	6.2	5.7	3.9	3.4	65.0
1963	2.2	3.2	5.0	5.0	6.3	8.1	9.7	10.3	9.2	7.3	4.7	3.0	74.0
1964	3.4	2.5	4.0	4.3	5.3	7.8	9.3	9.5	6.9	6.5	3.8	2.7	66.0
1965	3.2	2.9	3.4	4.0	4.8	6.0	9.5	9.4	8.2	5.2	3.2	2.2	62.0

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
1958	.03	-.20	.08	.03	.23	.29	.49	.50	-.03	.10	.16	.09	1.77
1959	.13	-.06	.28	-.06	.23	.38	.39	.14	.30	.01	.10	-.03	1.81
1960	.01	.02	.12	.11	.38	.27	.48	.34	.48	-.28	.00	-.14	1.79
1961	-.03	-.07	.18	.28	.36	-.07	.23	.54	.11	.28	.02	.03	1.86
1962	.06	.17	.28	.04	.41	.12	.72	.70	.15	.15	.15	.05	3.00
1963	.14	.08	.38	.22	.47	.51	.68	.80	.55	.55	.17	.08	4.63
1964	.07	.07	.15	.23	.29	.32	.70	.60	-.04	.38	.13	.13	3.03
1965	-.06	-.14	.19	.19	-.23	.44	.52	.65	.40	.21	-.03	-.13	2.01

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

QUADRANGLE 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
1958	2.1	1.9	2.4	2.9	4.3	5.8	6.4	6.9	4.4	3.1	2.7	2.1	45.0
1959	2.1	1.7	3.2	3.2	4.0	5.3	5.6	5.3	5.6	5.6	3.9	2.5	48.0
1960	1.9	2.1	2.1	3.4	4.1	5.4	5.7	4.9	5.3	3.6	2.7	1.8	43.0
1961	1.7	1.8	2.7	3.8	4.7	5.1	5.4	5.9	5.7	4.7	3.1	2.4	47.0
1962	2.6	2.6	3.1	3.3	5.0	4.9	6.6	8.2	5.9	5.6	3.8	2.4	54.0
1963	1.8	2.4	3.3	4.3	5.2	6.4	7.3	8.5	7.3	6.0	4.7	2.8	60.0
1964	2.6	2.4	3.2	3.8	4.6	6.7	7.3	8.5	6.0	6.1	4.0	2.8	58.0
1965	2.8	2.6	3.0	3.4	3.9	5.4	8.1	7.7	7.0	5.4	3.3	2.4	55.0

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	-.27	-.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
1958	-.05	-.07	.08	-.08	.18	.33	.29	.45	-.27	.04	.09	.03	1.02
1959	.15	-.12	.20	-.25	.01	.25	.31	.16	.30	.10	.19	-.07	1.23
1960	.03	-.08	.11	.03	.28	-.07	.29	.14	.39	-.28	-.14	-.18	0.52
1961	-.04	-.18	.12	.18	.29	.02	.17	.42	-.06	.28	.00	-.01	1.09
1962	.03	.14	.18	.01	.34	-.03	.53	.63	.08	.20	.01	-.13	1.99
1963	.08	-.03	.22	.11	.27	.38	.55	.66	.40	.40	.05	.00	3.09
1964	-.03	.04	.04	.14	.23	.36	.53	.56	-.08	.33	.08	.08	2.28
1965	.01	-.20	.15	.13	-.27	.33	.63	.52	.37	.28	-.06	-.20	1.69

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
1958	2.1	2.1	2.5	3.1	4.0	5.7	5.6	5.9	3.9	3.2	2.9	2.0	43.0
1959	2.3	1.8	3.2	3.3	4.0	4.8	5.2	5.1	4.9	4.5	3.6	2.3	45.0
1960	1.9	2.2	2.4	3.5	4.6	5.6	5.4	4.8	5.1	3.7	2.9	1.9	44.0
1961	1.7	1.8	2.7	3.5	4.4	4.4	5.0	5.8	5.0	4.4	2.9	2.4	44.0
1962	2.1	2.3	3.0	3.0	4.9	4.3	6.1	6.8	4.9	4.8	3.5	2.3	48.0
1963	1.6	2.0	2.8	3.3	4.2	5.0	5.9	6.7	5.7	5.2	4.2	2.4	49.0
1964	2.6	2.4	3.0	3.4	4.2	5.8	7.0	6.9	5.5	5.3	3.5	2.4	52.0
1965	2.8	2.3	3.0	3.7	4.1	5.3	7.2	6.8	5.8	4.9	3.0	2.1	51.0

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
1958	-.14	-.03	.12	-.01	.12	.29	.32	.27	-.37	.03	.10	.03	0.73
1959	.12	-.21	.19	-.22	-.01	.18	.06	.16	.30	.06	.18	-.11	0.70
1960	-.03	-.08	.14	.10	.34	-.13	.26	.03	.30	-.21	-.13	-.23	0.36
1961	-.16	-.22	.08	.18	.23	-.06	.07	.30	-.18	.29	.01	-.01	0.53
1962	-.08	.08	.18	-.06	.32	.01	.41	.44	.03	.21	-.03	-.18	1.33
1963	-.03	-.04	.17	.03	.18	.17	.37	.41	.22	.38	-.05	-.08	1.73
1964	-.02	.01	-.03	-.05	.12	.33	.43	.37	.10	.31	.01	-.08	1.55
1965	.08	-.20	.07	.22	-.02	.25	.51	.41	.17	.27	-.06	-.30	1.40

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
1958	2.4	2.2	2.8	3.0	3.6	4.9	5.9	7.7	4.4	4.8	3.5	2.8	48.0
1959	2.2	1.9	2.7	2.3	4.0	6.0	5.1	7.2	5.7	5.4	3.7	2.8	49.0
1960	2.4	2.3	2.3	3.0	4.4	5.3	5.6	6.3	5.7	4.3	3.6	2.8	48.0
1961	2.6	2.0	2.3	3.1	4.4	4.4	4.0	5.2	5.4	5.7	3.9	3.0	46.0
1962	1.8	1.8	3.0	3.1	4.9	4.0	7.3	6.7	7.9	5.0	3.6	2.9	52.0
1963	2.3	1.8	1.4	2.1	5.6	5.6	4.6	6.9	6.0	6.8	5.9	4.0	53.0
1964	1.6	2.2	3.1	2.5	3.9	4.7	5.4	5.1	5.1	5.9	4.0	3.5	47.0
1965	2.7	3.2	2.4	2.6	3.8	4.9	4.9	5.1	6.1	6.0	3.7	2.6	48.0

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
1958	-.14	-.07	.14	.02	.13	.16	.31	.40	-.42	.20	.14	.13	1.00
1959	.02	-.30	.15	-.21	.11	.28	-.14	.33	.35	.14	.18	-.06	0.85
1960	-.03	-.11	.14	.08	.33	-.12	.33	.20	.36	-.10	-.01	-.24	0.83
1961	-.20	-.18	.03	.14	.24	-.03	-.05	.24	-.05	.43	.02	-.03	0.56
1962	-.07	.04	.19	-.04	.25	.00	.51	.32	.38	.24	-.03	-.17	1.62
1963	.01	-.08	.04	.05	.37	.17	.08	.51	-.18	.54	.09	.08	1.68
1964	-.13	-.03	-.03	-.14	.08	.30	.20	.21	.12	.45	.15	-.09	1.09
1965	.10	-.03	-.08	.15	.05	.26	.28	.23	.09	.42	.05	-.32	1.20

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	4.9	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
1958	2.1	1.9	2.4	2.6	3.1	4.1	5.0	6.6	3.9	4.0	3.0	2.3	41.0
1959	1.7	1.4	2.0	1.8	3.0	4.6	3.9	5.4	4.3	4.1	2.8	2.0	37.0
1960	2.4	2.3	2.4	3.0	4.3	5.3	5.6	6.3	5.7	4.3	3.6	2.8	48.0
1961	2.4	1.9	2.1	3.0	4.1	4.1	3.7	5.0	5.0	5.3	3.6	2.8	43.0
1962	1.6	1.6	2.4	2.7	4.0	3.2	6.1	5.5	6.4	4.2	3.0	2.3	43.0
1963	1.8	1.4	1.1	1.7	4.2	4.2	3.4	5.1	4.6	5.1	4.4	3.0	40.0
1964	1.3	1.9	2.7	2.1	3.3	4.0	4.6	4.4	4.3	5.0	3.4	3.0	40.0
1965	2.3	2.9	2.1	2.3	3.3	4.4	4.3	4.7	5.6	5.5	3.3	2.3	43.0

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
1958	-.05	-.06	.04	.02	.16	.02	.16	.21	-.58	.19	.07	.06	0.24
1959	-.05	-.33	.08	-.20	-.02	.16	-.38	.13	.25	.16	.11	-.16	-0.25
1960	-.06	-.10	.09	.07	.31	.15	.19	.08	.23	-.06	.07	-.30	0.67
1961	-.23	-.18	-.03	.16	.23	-.08	-.13	.28	.02	.41	-.18	-.14	0.13
1962	-.14	.03	.07	-.01	.23	-.33	.43	.23	.22	.21	-.08	-.13	0.73
1963	-.11	-.11	.03	.08	.26	.08	-.18	.30	-.54	.42	-.05	-.02	0.16
1964	-.21	-.05	-.06	-.20	-.03	.27	.07	.11	.01	.39	.03	-.13	0.20
1965	-.03	-.02	-.18	.18	-.02	.30	.14	.06	.18	.36	.11	-.30	0.78

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
1958	2.3	4.0	5.3	8.0	9.3	11.7	12.8	12.3	8.8	5.7	4.1	2.7	87.0
1959	2.8	4.0	6.4	7.0	8.9	11.0	11.5	12.4	11.9	8.0	5.6	3.5	93.0
1960	3.3	5.6	6.6	7.2	9.9	12.3	9.8	9.7	11.1	13.9	4.7	1.9	96.0
1961	1.5	3.2	6.8	7.9	8.8	8.8	10.0	10.4	10.0	9.1	4.3	4.2	85.0
1962	2.8	4.5	7.1	7.6	10.1	11.2	11.1	13.2	11.8	7.4	5.7	3.5	96.0
1963	4.5	5.4	7.5	7.7	8.4	11.2	12.7	11.4	11.9	9.2	6.4	3.7	100.0
1964	4.1	6.0	8.0	8.5	10.9	10.5	12.6	15.0	9.1	8.4	7.0	2.9	103.0
1965	4.4	3.9	6.2	8.6	9.7	12.3	15.7	12.7	10.2	8.7	5.7	2.9	101.0

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
1958	.08	.24	.42	.67	.74	.91	.89	.85	.26	.33	.31	.22	5.92
1959	.23	.30	.53	.54	.65	.84	.91	.88	.95	.61	.43	.27	7.14
1960	.18	.46	.51	.60	.83	.98	.58	.70	.93	1.11	.31	.06	7.25
1961	.05	.25	.57	.65	.63	.52	.76	.73	.71	.72	.32	.34	6.25
1962	.22	.37	.59	.63	.84	.87	.76	1.04	.74	.54	.44	.24	7.28
1963	.38	.43	.63	.60	.64	.88	.94	.78	.82	.72	.48	.31	7.61
1964	.34	.50	.66	.70	.88	.75	1.03	1.17	.71	.69	.59	.21	8.23
1965	.35	.30	.52	.72	.78	.97	1.28	.98	.70	.71	.47	.20	7.98

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
1958	2.4	3.8	5.2	7.7	9.3	10.2	13.0	12.3	8.2	6.7	3.5	1.7	84.0
1959	2.8	3.1	6.1	7.1	8.7	9.8	13.3	12.8	11.7	7.8	4.6	3.2	91.0
1960	2.7	4.4	6.0	7.1	10.0	11.8	10.8	10.2	10.7	8.0	4.4	1.9	88.0
1961	1.2	3.2	6.8	7.8	9.1	8.4	10.3	9.8	9.3	8.6	3.4	3.1	81.0
1962	2.5	5.2	5.9	8.0	9.7	9.8	11.6	13.2	11.1	7.9	4.7	2.4	92.0
1963	3.3	4.5	7.9	8.9	8.6	10.2	11.3	10.1	10.7	8.0	7.1	2.4	93.0
1964	3.4	4.3	7.6	8.8	9.4	8.6	11.3	12.3	9.8	7.2	7.3	3.0	93.0
1965	4.0	3.7	6.4	8.3	9.4	10.5	13.2	11.0	10.7	8.3	5.0	3.5	94.0

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
1958	.04	.27	.39	.64	.63	.75	.98	.94	.36	.33	.27	.11	5.71
1959	.23	.22	.51	.53	.56	.66	.88	.96	.92	.54	.29	.23	6.53
1960	.07	.36	.49	.53	.83	.85	.43	.58	.89	.58	.30	.05	5.96
1961	-.03	.24	.56	.62	.54	.50	.63	.74	.73	.62	.20	.26	5.61
1962	.20	.43	.49	.66	.79	.72	.65	1.08	.71	.52	.35	.07	6.67
1963	.27	.35	.65	.66	.58	.78	.78	.74	.82	.63	.54	.18	6.98
1964	.28	.36	.62	.73	.68	.58	.90	.91	.53	.58	.60	.16	6.93
1965	.32	.27	.53	.69	.73	.73	1.05	.78	.69	.69	.41	.26	7.15

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
1958	2.6	2.8	3.4	5.9	7.4	9.0	10.6	14.7	6.2	3.9	3.2	3.3	73.0
1959	3.2	2.7	5.5	5.3	6.6	9.2	10.0	9.1	11.1	6.7	4.9	3.7	78.0
1960	2.6	3.7	4.3	5.9	8.1	13.9	8.4	11.1	11.2	8.1	3.7	3.0	84.0
1961	2.7	2.7	5.4	7.2	8.1	9.0	10.0	9.9	10.5	6.2	5.3	4.0	81.0
1962	3.1	5.1	6.4	5.6	9.5	9.7	14.2	13.8	11.9	8.5	5.3	3.9	97.0
1963	3.7	4.1	5.9	6.3	6.1	8.5	12.6	13.0	11.3	9.4	6.5	2.6	90.0
1964	4.0	3.5	5.4	6.3	7.7	10.4	12.4	13.0	10.4	7.4	4.9	3.6	89.0
1965	3.8	2.8	4.4	5.9	4.9	8.0	12.3	13.3	10.0	8.1	4.8	3.7	82.0

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	.58	.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
1958	.02	.12	.22	.48	.39	.51	.84	1.15	.10	.05	.24	.26	4.38
1959	.26	.16	.46	.33	.34	.36	.65	.72	.82	.20	.34	.25	4.89
1960	.15	.19	.32	.46	.65	1.13	.44	.82	.81	.41	.29	.10	5.77
1961	.12	.16	.43	.57	.63	.22	.68	.63	.82	.35	.39	.31	5.31
1962	.25	.41	.52	.32	.78	.68	1.13	1.14	.83	.41	.42	.29	7.18
1963	.31	.24	.49	.45	.33	.58	1.03	1.08	.83	.77	.49	.18	6.78
1964	.30	.24	.40	.45	.57	.85	1.02	.99	.08	.50	.39	.25	6.04
1965	.31	.12	.34	.39	.21	.55	.97	1.05	.63	.65	.35	.25	5.82

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
1958	2.3	2.3	3.0	4.7	6.2	8.1	9.8	12.1	5.7	3.3	2.9	2.6	63.0
1959	2.6	2.0	4.6	4.3	6.0	8.1	9.3	9.1	9.3	5.6	4.0	3.1	68.0
1960	2.1	3.4	3.8	5.3	7.3	11.9	9.1	10.0	9.5	7.0	3.3	2.3	75.0
1961	2.0	2.3	4.0	5.4	7.1	7.6	8.3	8.2	8.6	5.9	3.8	2.8	66.0
1962	2.8	4.6	5.7	5.7	9.0	8.8	13.0	12.8	10.0	8.1	4.6	2.9	88.0
1963	2.7	3.4	5.2	6.1	6.3	8.7	11.0	12.0	9.2	7.9	5.2	2.3	80.0
1964	3.1	2.8	4.3	5.5	6.3	8.9	10.8	11.0	8.4	6.2	4.1	2.6	74.0
1965	2.9	2.3	3.7	5.0	4.6	7.4	10.5	10.7	9.1	5.7	3.4	2.7	68.0

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
1958	-.03	.00	.13	.33	.21	.18	.76	.84	-.04	-.12	.22	.18	2.66
1959	.20	.11	.38	.18	.20	.17	.48	.68	.66	.08	.25	.17	3.56
1960	.13	.15	.23	.41	.54	.98	.19	.47	.68	.26	.22	.05	4.31
1961	.05	.09	.33	.41	.54	.13	.25	.49	.64	.22	.27	.20	3.62
1962	.22	.36	.44	.32	.70	.56	1.08	1.01	.70	.53	.35	.19	6.46
1963	.22	.11	.43	.38	.12	.54	.88	.94	.54	.56	.33	.13	5.18
1964	.17	.18	.23	.34	.33	.73	.83	.74	-.25	.39	.33	.18	4.20
1965	.20	-.01	.21	.19	.03	.47	.86	.80	.54	.38	.19	.02	3.88

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
1958	2.1	1.9	2.6	3.6	5.2	7.3	9.2	10.2	5.4	2.8	2.7	2.0	55.0
1959	2.2	1.6	4.0	3.5	5.6	7.4	8.9	9.2	8.0	4.8	3.2	2.6	61.0
1960	1.6	2.9	3.1	4.5	6.0	9.2	8.9	8.4	7.6	5.4	2.8	1.6	62.0
1961	1.5	2.1	3.1	4.3	6.6	6.9	7.3	7.2	7.5	5.7	2.9	1.9	57.0
1962	2.4	3.8	4.5	5.2	7.6	7.3	10.7	10.7	7.4	6.9	3.6	1.9	72.0
1963	1.8	2.6	4.2	5.3	5.9	7.9	8.9	10.0	6.9	5.9	3.8	1.8	65.0
1964	2.5	2.3	3.7	4.8	5.3	7.7	9.6	9.6	6.9	5.3	3.5	1.8	63.0
1965	2.7	2.2	3.6	4.9	5.0	7.9	10.6	10.0	9.6	4.6	2.7	2.2	66.0

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
1958	-.19	-.08	.09	.21	.24	.15	.68	.73	-.12	-.21	.19	.12	1.81
1959	.11	.01	.32	.09	.20	.27	.57	.64	.47	-.12	.14	.11	2.81
1960	.03	.14	.10	.32	.37	.71	.38	.37	.58	-.05	.12	-.17	2.90
1961	.01	-.10	.23	.31	.52	.11	.22	.47	.58	.09	.16	.07	2.67
1962	.16	.28	.32	.16	.52	.45	.89	.76	.47	.49	.18	.05	4.73
1963	.14	.03	.33	.22	.22	.49	.73	.78	.37	.35	.14	.08	3.88
1964	.04	.09	.17	.24	.24	.44	.72	.64	.07	.28	.17	.08	3.18
1965	.19	-.20	.14	.18	.02	.46	.78	.74	.61	.19	.14	-.13	3.12

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	9.6	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
1958	1.9	1.7	2.5	3.1	4.1	5.8	8.6	9.0	5.8	3.3	2.9	2.3	51.0
1959	2.2	1.8	3.9	3.6	4.6	6.9	7.9	7.9	7.8	4.9	3.7	2.8	58.0
1960	1.9	2.7	2.6	4.0	5.1	7.8	7.6	7.6	7.4	5.3	3.0	2.0	57.0
1961	1.6	2.0	2.9	4.1	5.6	6.0	6.2	8.1	7.0	5.3	3.1	2.1	54.0
1962	1.9	3.0	3.8	4.0	6.2	5.9	9.3	10.2	7.1	6.0	3.5	2.1	63.0
1963	2.1	2.4	3.6	4.6	5.1	7.1	9.2	10.1	7.3	6.3	4.0	2.2	64.0
1964	2.5	2.5	3.4	4.0	5.1	7.3	10.0	10.2	7.8	5.9	4.0	2.3	65.0
1965	2.9	2.3	3.1	3.9	3.7	6.8	9.7	10.0	9.7	4.7	4.0	2.2	63.0

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
1958	-.15	-.13	.09	.15	-.06	.31	.59	.71	-.14	-.18	.16	.13	1.48
1959	.14	-.08	.30	.10	.17	.18	.49	.42	.46	-.06	.16	.07	2.35
1960	.07	.08	.08	.21	.33	.41	.44	.24	.56	-.21	.13	-.13	2.21
1961	.04	-.05	.23	.31	.45	-.08	.09	.62	.42	.20	.08	.09	2.40
1962	.11	.19	.22	-.04	.41	.22	.75	.77	.27	.34	.05	.00	3.29
1963	.14	-.02	.29	.14	.28	.44	.73	.75	.50	.35	.13	.09	3.82
1964	-.04	.05	.12	.22	.26	.39	.82	.63	.23	.33	.15	.11	3.27
1965	.10	-.27	.13	.12	-.29	.40	.78	.68	.61	.14	.24	-.18	2.46

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
1958	2.5	2.2	2.4	3.0	4.0	6.0	7.7	7.4	4.8	3.9	2.7	2.4	49.0
1959	2.6	2.2	3.8	4.0	5.3	6.7	7.5	7.0	6.4	5.6	4.1	2.8	58.0
1960	2.0	2.5	2.5	3.9	4.7	7.0	6.8	6.8	6.3	4.5	3.5	2.5	53.0
1961	1.9	2.0	2.9	4.0	5.1	5.9	6.5	7.2	6.2	4.8	3.3	2.2	52.0
1962	2.3	2.3	3.2	3.6	5.6	5.3	8.6	9.2	6.7	5.5	3.5	2.2	58.0
1963	2.0	2.4	3.5	4.0	4.9	6.4	7.4	8.4	7.2	5.7	4.4	2.7	59.0
1964	3.0	2.4	3.2	4.0	4.4	6.9	8.1	9.4	6.5	6.5	4.7	2.9	62.0
1965	3.0	2.5	2.9	3.6	4.0	5.4	8.5	8.2	7.7	5.1	3.4	2.7	57.0

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	.45	.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
1958	-.10	-.18	.12	.14	.09	.35	.43	.57	-.12	-.07	.12	.09	1.44
1959	.19	-.13	.30	-.09	.16	.33	.52	.33	.39	.05	.17	.05	2.27
1960	.07	.05	.13	.08	.29	.09	.42	.25	.44	-.45	.11	-.03	1.45
1961	.04	-.03	.19	.26	.38	-.18	.17	.53	.11	.20	-.08	.14	1.73
1962	.09	.12	.21	-.06	.38	.08	.70	.66	.12	.32	.18	-.06	2.74
1963	.13	-.03	.28	.22	.35	.30	.50	.60	.45	.40	.05	.08	3.33
1964	.05	.02	.05	.15	.22	.29	.62	.60	.18	.42	.24	.13	2.97
1965	-.05	-.22	.15	.14	-.12	.18	.70	.59	.43	.13	.03	-.13	1.83

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
1958	2.5	2.4	2.5	3.2	4.8	5.9	6.7	6.5	4.9	4.5	2.9	3.2	50.0
1959	2.4	1.8	3.3	3.4	4.1	7.6	6.6	6.1	6.2	5.0	3.8	2.7	53.0
1960	2.0	2.2	2.6	3.6	4.7	6.6	6.2	5.9	6.4	6.0	3.3	2.5	52.0
1961	2.0	2.2	2.6	3.6	4.5	5.0	5.4	6.5	5.7	5.3	3.2	3.0	49.0
1962	2.4	2.7	3.5	3.4	4.5	4.8	8.0	8.5	5.8	5.6	3.9	2.9	56.0
1963	2.2	2.5	3.8	3.8	4.8	5.9	6.5	7.5	6.4	5.8	4.7	3.1	57.0
1964	2.5	2.4	3.3	3.9	4.8	6.7	7.2	7.7	5.6	5.8	3.5	2.6	56.0
1965	2.7	2.3	3.0	3.5	4.3	5.5	7.4	7.1	6.5	4.7	3.0	2.0	52.0

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
1958	-.11	-.08	.13	.13	.10	.27	.41	.43	-.21	.08	.11	.08	1.34
1959	.18	-.18	.23	-.26	-.07	.41	.39	.21	.28	.02	.19	-.03	1.37
1960	.03	-.02	.15	.00	.33	-.11	.29	.11	.49	-.05	.06	-.10	1.18
1961	.00	-.13	.17	.12	.29	-.23	.09	.40	-.23	.37	-.04	.17	0.98
1962	.04	.08	.22	-.12	.25	-.01	.61	.65	.14	.28	.19	-.09	2.24
1963	.05	-.02	.28	.23	.33	.13	.37	.51	.46	.44	.05	.05	2.88
1964	.00	-.02	.07	.23	.19	.32	.49	.42	-.07	.33	.13	.03	2.12
1965	-.05	-.13	.20	.19	-.16	.30	.57	.43	.32	.14	-.22	-.18	1.41

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	1.8	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
1958	2.8	2.6	2.7	2.9	4.8	5.5	6.3	6.2	4.9	5.1	3.2	4.0	51.0
1959	2.8	1.6	3.0	2.9	2.9	7.7	5.6	5.6	5.9	4.8	4.1	3.1	50.0
1960	2.0	1.9	2.4	2.9	3.9	5.1	5.0	5.0	5.6	6.6	3.2	2.4	46.0
1961	2.2	2.2	2.5	3.1	4.2	4.8	4.6	6.3	5.6	6.4	4.1	4.0	50.0
1962	2.8	2.2	3.1	2.9	3.5	3.4	7.6	7.8	5.9	5.8	4.2	2.8	52.0
1963	2.4	2.3	3.3	3.3	4.4	4.9	5.0	6.4	5.0	5.4	5.2	3.4	51.0
1964	2.0	2.4	3.0	3.6	4.6	6.0	5.7	6.5	4.8	5.4	3.4	2.6	50.0
1965	2.7	2.3	3.0	3.6	4.5	5.6	6.5	6.0	5.7	4.9	3.2	2.0	50.0

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
1958	-.13	-.02	.12	.10	.23	.38	.31	.31	-.48	.24	.15	.18	1.39
1959	.13	-.37	.20	-.04	-.06	.45	-.03	-.09	.27	.04	.26	.00	0.76
1960	.05	-.05	.11	.13	.28	-.26	.29	-.11	.38	.08	-.03	-.24	0.63
1961	-.04	-.01	.16	.11	.27	-.29	-.13	.29	-.13	.52	-.13	.21	0.83
1962	.13	.11	.20	-.07	.18	-.05	.55	.46	.14	.23	.01	-.20	1.69
1963	.03	.02	.24	.22	.33	-.16	.26	.42	.16	.36	.01	.01	1.90
1964	-.09	-.12	.10	.23	.28	.36	.19	.28	-.08	.29	.05	-.23	1.26
1965	.12	.02	.18	.23	.08	.34	.34	.25	.21	.18	-.26	-.33	1.36

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	6.7	5.3	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
1958	2.5	2.2	2.9	2.9	3.6	4.9	5.8	7.6	4.5	4.8	3.6	2.7	48.0
1959	2.5	2.1	3.1	2.7	4.6	6.9	5.9	8.2	6.4	6.3	4.2	3.1	56.0
1960	2.6	2.5	2.6	3.2	4.7	5.8	6.0	6.9	6.1	4.7	3.9	3.0	52.0
1961	2.9	2.2	2.6	3.5	4.9	4.9	4.3	5.8	6.0	6.3	4.3	3.3	51.0
1962	1.9	1.9	2.9	3.2	4.9	3.9	7.4	6.6	7.8	5.1	3.6	2.8	52.0
1963	1.8	1.4	1.1	1.7	4.3	4.4	3.5	5.3	4.7	5.2	4.5	3.1	41.0
1964	1.4	2.0	2.8	2.2	3.4	4.2	4.8	4.6	4.6	5.3	3.6	3.1	42.0
1965	2.9	3.5	2.5	2.8	4.1	5.3	5.2	5.6	6.7	6.6	4.0	2.8	52.0

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
1958	-.07	-.06	.15	.05	.18	.24	.25	.30	-.64	.19	.17	.06	0.82
1959	.03	-.41	.22	-.04	.13	.39	-.15	.33	.36	.27	.22	.04	1.39
1960	.04	-.06	.17	.09	.37	.15	.28	.03	.43	-.10	.10	-.22	1.28
1961	-.13	-.13	.16	.16	.27	-.24	.02	.32	-.02	.51	-.12	.04	0.84
1962	.02	.08	.13	.08	.31	-.13	.50	.25	.43	.24	-.01	-.14	1.76
1963	-.08	-.11	.06	.09	.29	.08	.04	.37	-.56	.43	-.13	.04	0.52
1964	-.17	-.08	.03	.08	.06	.28	-.04	.08	.07	.41	.08	-.22	0.58
1965	.12	.11	-.02	.17	.14	.26	.22	.20	.18	.45	.05	-.28	1.60

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	3.5	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
1958	2.6	2.5	3.3	5.2	6.9	9.0	10.9	13.5	6.4	3.6	3.2	2.9	70.0
1959	2.9	2.3	5.2	4.8	6.7	9.0	10.4	10.2	10.4	6.2	4.4	3.5	76.0
1960	2.1	3.5	3.9	5.5	7.5	12.2	9.3	10.3	9.8	7.1	3.4	2.4	77.0
1961	2.4	2.8	5.0	6.7	8.7	9.4	10.2	10.0	10.5	7.2	4.7	3.4	81.0
1962	3.0	4.9	6.2	6.2	9.7	9.5	14.1	13.8	10.7	8.8	5.0	3.1	95.0
1963	2.9	3.7	5.6	6.5	6.8	9.3	11.9	12.9	9.9	8.4	5.6	2.5	86.0
1964	3.6	3.2	5.0	6.3	7.2	10.2	12.4	12.7	9.6	7.1	4.7	3.0	85.0
1965	3.5	2.8	4.4	5.9	5.4	8.8	12.6	12.8	10.9	6.8	4.0	3.1	81.0

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
1958	-.01	.03	.19	.39	.34	.20	.83	1.01	-.09	-.13	.24	.21	3.21
1959	.21	.11	.43	.25	.16	.37	.58	.78	.72	.24	.24	.24	4.33
1960	.12	.18	.28	.38	.54	.98	.40	.58	.71	.15	.22	.02	4.56
1961	.08	.18	.41	.48	.68	.41	.63	.77	.86	.49	.35	.24	5.58
1962	.23	.39	.48	.37	.76	.53	1.18	1.10	.76	.68	.34	.22	7.04
1963	.23	.15	.46	.33	.40	.64	.93	1.08	.64	.43	.38	.14	5.81
1964	.23	.19	.32	.43	.31	.85	1.01	.78	.01	.48	.39	.23	5.23
1965	.28	.11	.30	.33	-.06	.64	.97	.96	.67	.52	.25	.05	5.02

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
1958	2.3	2.1	2.9	4.1	5.8	8.1	10.2	11.3	6.0	3.1	2.9	2.2	61.0
1959	2.3	1.7	4.2	3.8	5.9	7.9	9.5	9.8	8.5	5.1	3.5	2.8	65.0
1960	1.6	2.9	3.2	4.6	6.1	9.4	9.0	8.5	7.7	5.6	2.8	1.6	63.0
1961	1.8	2.5	3.8	5.1	7.8	8.2	8.7	8.6	8.9	6.8	3.5	2.3	68.0
1962	2.7	4.2	5.1	5.8	8.6	8.2	12.1	12.1	8.3	7.8	4.0	2.1	81.0
1963	2.1	3.0	4.8	6.0	6.7	8.9	10.0	11.5	7.8	6.7	4.4	2.1	74.0
1964	2.8	2.5	4.0	5.2	5.8	8.5	10.6	10.5	7.5	5.8	3.9	1.9	69.0
1965	2.5	2.1	3.3	4.5	4.6	7.3	9.8	9.3	8.9	4.2	2.5	2.0	61.0

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
1958	-.18	-.09	.20	.29	.31	.50	.72	.89	.09	-.28	.19	.14	2.78
1959	.15	-.04	.35	.21	.18	.43	.64	.78	.35	.12	.15	.17	3.49
1960	.04	.16	.23	.30	.37	.61	.49	.38	.46	.07	.03	-.15	2.99
1961	.04	.12	.32	.30	.63	.34	.47	.57	.73	.51	.21	.14	4.38
1962	.20	.34	.38	.30	.68	.41	1.01	.94	.47	.63	.19	.12	5.67
1963	.16	.12	.39	.34	.37	.44	.78	.94	.48	.47	.27	.01	4.77
1964	.18	.10	.20	.39	.18	.67	.87	.53	.18	.40	.25	.14	4.09
1965	.20	-.02	.20	.26	-.12	.55	.81	.68	.50	.22	.08	-.14	3.22

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
1958	2.8	2.3	2.9	3.5	4.7	7.3	10.0	10.2	5.7	3.9	3.1	2.6	59.0
1959	3.0	2.2	4.3	4.2	5.9	7.2	8.9	8.9	7.9	5.9	4.3	3.3	66.0
1960	2.1	2.9	2.9	4.3	5.4	8.3	8.2	8.4	7.1	5.3	3.6	2.5	61.0
1961	1.6	2.1	3.2	4.3	6.7	7.0	7.4	7.3	7.6	5.8	3.0	2.0	58.0
1962	2.3	3.7	4.4	5.1	7.4	7.1	10.4	10.4	7.2	6.7	3.5	1.8	70.0
1963	2.3	2.9	4.1	5.3	6.1	8.1	9.0	10.7	8.0	6.5	5.2	2.8	71.0
1964	2.8	2.5	3.5	4.7	5.0	7.8	9.3	10.6	7.3	6.6	5.1	2.8	68.0
1965	2.7	2.2	3.0	3.9	4.1	6.1	8.8	8.4	8.2	4.8	3.1	2.7	58.0

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
1958	-.16	-.15	.19	.22	.12	.47	.76	.80	-.10	-.22	.18	.12	2.23
1959	.23	-.06	.35	.23	.23	.31	.64	.62	.54	.19	.20	.20	3.68
1960	.13	.14	.17	.26	.37	.38	.38	.20	.54	-.08	.08	-.09	2.48
1961	.03	.03	.24	.13	.50	.24	.44	.52	.53	.28	.03	.12	3.09
1962	.16	.28	.32	.25	.53	.19	.87	.78	.33	.51	.20	.00	4.42
1963	.18	.05	.33	.32	.38	.43	.63	.88	.46	.42	.09	.06	4.23
1964	.10	.08	.16	.35	.19	.60	.72	.59	.44	.46	.36	.14	4.19
1965	.09	-.18	.18	.23	-.20	.43	.71	.64	.50	.19	.15	-.08	2.66

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	3.0	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
1958	2.7	2.2	2.4	2.6	3.2	5.6	8.4	7.9	4.7	4.0	2.8	2.5	49.0
1959	3.4	2.7	4.1	4.3	5.6	6.0	7.8	7.5	6.8	6.4	4.8	3.6	63.0
1960	2.6	2.9	2.9	4.1	4.9	7.5	7.7	8.5	6.8	5.2	4.5	3.4	61.0
1961	1.8	2.2	3.2	4.3	6.1	6.8	7.4	7.0	6.8	5.7	3.3	2.4	57.0
1962	2.7	3.3	4.2	4.8	7.1	6.9	10.3	10.3	7.5	6.8	3.9	2.2	70.0
1963	2.6	2.6	3.4	4.6	5.3	7.0	7.8	9.5	7.9	6.3	5.7	3.3	66.0
1964	2.8	2.4	2.8	3.9	3.9	6.7	7.6	10.1	6.6	6.9	5.9	3.4	63.0
1965	3.2	2.4	2.8	3.6	3.8	5.5	8.4	8.0	8.1	5.7	3.9	3.6	59.0

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
1958	-.17	-.21	.08	.11	.07	.36	.63	.57	-.38	-.09	.17	.04	1.18
1959	.23	-.13	.32	.13	.23	.21	.60	.29	.38	.09	.29	.12	2.76
1960	.14	.07	.13	.24	.29	.24	.51	.36	.46	-.48	.14	-.07	2.03
1961	.01	-.07	.24	.22	.47	.23	.37	.44	.16	.40	.02	.15	2.64
1962	.19	.23	.28	.08	.48	.19	.83	.81	.24	.44	.15	-.06	3.86
1963	.18	.08	.27	.32	.34	.23	.57	.65	.49	.36	.14	.10	3.73
1964	.05	.02	.09	.28	.08	.41	.34	.57	.21	.49	.42	.08	3.04
1965	.05	-.14	.18	.22	-.11	.23	.63	.55	.45	.15	.15	-.03	2.33

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
1958	2.7	2.4	3.0	4.4	5.6	7.5	9.5	9.6	5.9	4.2	2.8	2.4	60.0
1959	1.8	2.4	3.5	3.4	5.7	6.3	7.4	7.8	6.3	5.0	3.4	3.0	56.0
1960	1.9	2.4	2.5	4.2	5.3	7.6	8.2	6.8	5.9	4.8	3.2	2.2	55.0
1961	2.0	2.3	3.1	4.2	5.4	6.4	7.0	6.3	5.8	5.3	3.5	2.7	54.0
1962	2.6	2.5	3.4	4.0	5.9	5.7	8.6	8.7	6.7	6.1	3.7	2.1	60.0
1963	1.7	2.4	2.9	4.3	6.3	7.0	8.0	8.7	6.7	5.8	4.3	2.9	61.0
1964	2.9	2.7	2.9	3.2	5.2	7.6	7.0	7.7	5.5	5.5	3.8	3.0	57.0
1965	3.0	2.1	3.0	4.0	5.1	7.1	8.4	8.4	7.6	6.0	3.6	2.7	61.0

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	.25	.28	.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
1958	-.14	-.08	.15	.31	.33	.53	.65	.68	-.31	.07	.08	-.08	2.19
1959	.09	-.23	.26	.01	.28	.24	.44	.11	.29	-.07	.22	.03	1.67
1960	.09	.01	.08	.22	.37	-.08	.55	.03	.41	-.18	.00	-.23	1.27
1961	-.07	-.06	.24	.22	.33	-.14	.24	.30	-.24	.43	-.03	.13	1.35
1962	.15	.14	.23	-.04	.34	.03	.70	.63	.21	.27	.15	-.17	2.64
1963	.09	.03	.21	.30	.45	.15	.52	.66	.40	.38	-.11	.07	3.15
1964	.03	.00	.11	.25	.33	.36	.41	.37	-.13	.30	.23	.02	2.28
1965	-.09	-.03	.15	.25	.10	.39	.59	.52	.39	.24	-.09	-.18	2.42

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
1958	3.1	2.9	3.8	5.6	7.3	9.5	13.7	12.9	6.7	4.0	3.6	2.9	76.0
1959	2.6	1.9	4.9	4.9	8.5	10.0	11.2	10.9	10.8	7.3	5.4	4.6	83.0
1960	2.6	5.0	4.1	6.9	8.4	10.1	11.7	10.6	8.9	7.2	4.1	2.4	82.0
1961	2.3	4.0	5.9	7.3	9.2	9.6	11.8	10.8	10.4	8.8	4.6	3.3	88.0
1962	3.8	5.2	6.6	7.0	10.5	10.7	15.5	13.4	10.4	9.8	5.7	3.4	102.0
1963	3.3	5.0	6.9	8.2	9.3	10.9	13.9	14.5	10.0	8.0	6.0	3.0	99.0
1964	4.8	3.9	6.0	8.0	8.5	11.7	12.2	15.1	9.4	7.9	6.2	4.3	98.0
1965	4.8	3.3	4.7	5.0	5.6	8.6	10.5	9.6	8.4	4.7	3.0	1.8	70.0

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
1958	-.16	-.02	.29	.45	.37	.74	1.00	1.01	.19	-.35	.26	.20	3.98
1959	.17	-.04	.41	.32	.63	.55	.73	.75	.68	.50	.34	.35	5.39
1960	.16	.33	.31	.48	.58	.76	.84	.63	.50	.35	.12	-.08	4.98
1961	.06	.31	.48	.46	.72	.55	.85	.78	.76	.60	.30	.25	6.12
1962	.30	.43	.51	.38	.86	.69	1.29	1.06	.55	.79	.36	.21	7.43
1963	.26	.32	.58	.60	.54	.46	1.13	1.20	.71	.58	.39	.12	6.89
1964	.38	.23	.43	.66	.53	.90	.93	1.02	.42	.55	.46	.33	6.84
1965	.39	.15	.32	.40	.21	.71	.85	.73	.48	.32	.12	-.16	4.52

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
1958	3.1	2.8	3.3	4.4	5.3	7.3	11.4	11.9	6.1	4.3	3.7	3.4	67.0
1959	2.9	2.4	4.1	4.6	7.0	7.3	9.9	9.8	8.5	7.1	5.4	4.0	73.0
1960	2.5	3.4	3.1	4.3	6.0	9.0	10.1	9.9	7.1	6.4	4.2	3.0	69.0
1961	1.8	2.4	4.2	5.7	7.2	8.4	10.3	9.1	8.8	7.0	4.1	3.0	72.0
1962	2.9	4.4	5.2	6.1	8.3	8.5	12.0	12.4	9.6	9.3	5.4	2.9	87.0
1963	2.8	3.3	4.7	6.1	6.7	8.6	10.8	12.0	10.0	7.8	6.0	3.2	82.0
1964	3.2	3.0	3.9	5.1	5.3	8.3	10.2	13.6	8.8	8.0	6.0	3.6	79.0
1965	3.3	2.9	3.3	4.4	4.7	7.7	10.8	10.2	9.3	6.1	4.2	3.1	70.0

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	.26	.36	.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
1958	-.28	-.13	.23	.34	.29	.48	.85	.98	-.21	-.26	.27	.17	2.73
1959	.19	-.09	.33	.33	.40	.40	.80	.63	.52	.34	.28	.30	4.43
1960	.15	.21	.18	.28	.39	.38	.79	.48	.41	.07	.18	-.14	3.38
1961	.03	.11	.35	.36	.58	.35	.74	.70	.48	.58	.15	.20	4.63
1962	.21	.37	.38	.33	.68	.10	.98	.88	.53	.76	.33	.12	5.67
1963	.21	.18	.38	.48	.44	.45	.73	.95	.58	.50	.35	.17	5.42
1964	.16	.13	.26	.41	.24	.68	.59	.98	.33	.57	.47	.18	5.00
1965	.20	-.01	.18	.34	.07	.48	.88	.72	.63	.12	.24	.00	3.85

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
1958	2.5	2.3	3.1	4.6	5.8	7.0	10.0	10.8	5.7	3.5	3.0	2.7	61.0
1959	1.5	1.9	3.1	3.3	5.9	6.2	8.0	8.1	6.9	5.2	3.9	3.0	57.0
1960	1.7	2.6	2.4	3.8	5.3	7.7	8.9	7.6	5.7	5.2	3.1	2.0	56.0
1961	1.9	2.2	3.2	4.3	5.4	6.0	7.6	6.0	6.0	4.9	3.0	2.5	53.0
1962	2.6	2.8	3.6	4.0	6.2	6.1	9.7	9.2	7.0	6.4	4.0	2.4	64.0
1963	1.9	2.6	3.5	4.8	6.0	6.9	8.7	9.1	7.1	6.0	4.0	2.4	63.0
1964	2.7	2.6	3.2	3.8	5.0	7.2	8.0	9.8	6.4	5.8	3.8	2.7	61.0
1965	2.9	2.2	3.0	4.0	4.8	7.6	9.3	9.1	8.0	5.4	3.5	2.2	62.0

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
1958	-.44	-.16	.15	.35	.38	.45	.75	.78	-.05	-.15	.21	.04	2.31
1959	-.01	-.21	.24	.15	.26	.25	.58	.33	.43	.04	.24	.14	2.44
1960	.07	.11	.08	.18	.33	.36	.65	.28	.34	-.34	.10	-.32	1.84
1961	.00	-.05	.27	.20	.42	.12	.38	.33	.19	.38	.16	-.16	2.56
1962	.19	.23	.27	.18	.48	.23	.79	.71	.21	.48	.26	.00	4.03
1963	.14	.13	.28	.38	.43	.34	.62	.61	.38	.28	.16	.10	3.85
1964	.13	.08	.22	.31	.09	.52	.38	.78	.08	.43	.28	.01	3.31
1965	.16	-.13	.19	.27	.14	.44	.73	.59	.49	.20	.17	-.12	3.13

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
1958	2.8	2.8	3.7	5.8	7.0	7.7	12.6	14.2	6.2	3.6	4.0	3.6	74.0
1959	2.0	1.9	4.0	4.6	8.4	8.7	12.0	12.2	10.4	7.8	5.9	4.1	82.0
1960	2.4	4.0	3.4	4.6	7.5	11.0	13.6	11.9	7.7	8.1	4.2	2.6	81.0
1961	2.7	3.7	5.3	7.8	9.1	9.8	13.8	10.0	10.3	7.6	4.2	3.7	88.0
1962	4.1	4.8	5.7	6.6	10.2	10.2	16.3	15.0	11.2	10.3	6.3	4.3	105.0
1963	3.1	4.3	6.6	8.1	8.5	10.4	14.7	15.2	11.7	9.4	6.0	3.0	101.0
1964	3.7	3.7	5.6	6.7	7.2	10.6	13.9	18.4	11.6	9.2	5.8	3.6	100.0
1965	4.0	3.7	4.3	5.9	6.2	11.6	15.0	14.5	12.0	7.1	5.0	2.7	92.0

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	.90	.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
1958	-.12	.00	.28	.46	.31	.56	.88	1.07	.08	-.38	.28	.27	3.69
1959	.06	-.02	.32	.33	.68	.52	.93	.80	.73	.53	.43	.32	5.63
1960	.13	.24	.24	.23	.57	.85	1.04	.75	.39	.50	.19	.00	5.13
1961	.10	.28	.43	.51	.75	.71	1.11	.63	.41	.58	.18	.29	5.98
1962	.32	.40	.36	.43	.83	.73	1.36	1.12	.61	.81	.46	.25	7.68
1963	.24	.28	.55	.64	.49	.60	1.17	1.20	.75	.55	.43	.10	7.00
1964	.27	.22	.46	.46	.10	.83	1.06	1.42	.70	.68	.40	.27	6.87
1965	.33	.19	.25	.44	.35	.92	1.23	1.13	.70	.47	.25	-.03	6.23

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
1958	2.8	2.8	3.5	5.6	6.4	7.4	10.3	12.1	6.1	3.4	3.6	3.0	67.0
1959	2.1	1.8	3.6	4.5	7.3	7.6	10.2	10.5	9.5	6.8	4.6	3.5	72.0
1960	2.4	3.4	2.8	3.8	6.8	8.7	10.9	9.8	6.8	6.7	4.3	2.6	69.0
1961	1.8	2.4	4.2	5.7	6.5	7.6	10.8	8.2	7.8	6.1	3.8	3.1	68.0
1962	3.5	4.1	5.1	6.0	8.5	8.6	12.7	12.3	9.6	8.7	5.6	3.3	88.0
1963	2.7	3.6	5.4	6.7	6.9	8.5	11.0	11.8	8.8	6.7	5.3	2.6	80.0
1964	3.0	3.0	4.7	5.6	6.0	7.9	10.8	13.2	8.3	7.0	5.3	3.2	78.0
1965	3.6	3.0	4.1	5.8	6.2	9.0	11.4	10.6	9.4	6.0	4.3	2.6	76.0

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	.33	.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
1958	-.26	.01	.24	.46	.34	.45	.71	.98	.06	-.33	.24	.14	3.04
1959	.07	-.07	.28	.28	.52	.44	.82	.75	.76	.30	.28	.26	4.69
1960	.13	.18	.16	.08	.49	.59	.87	.50	.22	.25	.25	-.02	3.70
1961	.06	.13	.35	.32	.52	.33	.81	.48	.17	.48	.20	.23	4.08
1962	.26	.34	.32	.43	.67	.33	1.05	.94	.58	.68	.35	.12	6.07
1963	.21	.23	.45	.55	.26	.53	.76	.93	.44	.28	.30	.07	5.01
1964	.21	.15	.38	.34	.10	.58	.83	1.09	.35	.54	.38	.19	5.14
1965	.28	.10	.28	.44	.16	.68	.92	.78	.56	.21	.15	-.05	4.51

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
1958	2.6	2.6	3.0	5.1	5.6	6.7	7.8	9.6	5.6	3.0	3.2	2.2	57.0
1959	1.6	1.4	2.4	3.3	4.9	5.0	6.5	6.9	6.5	4.5	2.7	2.3	48.0
1960	2.1	2.5	2.0	2.8	5.3	6.1	7.7	7.2	5.4	4.9	3.7	2.3	52.0
1961	1.1	1.4	3.1	3.9	4.3	5.5	7.8	6.3	5.5	4.5	3.2	2.4	49.0
1962	2.5	3.0	3.8	4.6	5.8	6.1	8.2	8.6	6.9	6.2	4.2	2.1	62.0
1963	2.3	2.8	4.1	5.4	5.2	6.5	7.9	8.6	6.3	4.4	4.3	2.2	60.0
1964	2.4	2.5	4.1	4.8	5.2	5.9	8.6	9.6	5.9	5.5	4.7	2.8	62.0
1965	3.2	2.4	3.7	5.4	5.8	6.8	8.4	7.4	7.2	4.9	3.5	2.3	61.0

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
1958	-.17	-.20	.19	.42	.34	.43	.51	.78	.02	-.57	.15	.05	1.95
1959	-.06	-.10	.17	.13	.25	.13	.48	.47	.50	.02	.05	.15	2.19
1960	.13	.12	.08	.00	.26	.36	.62	.24	.00	.12	.19	-.03	2.09
1961	-.05	.06	.25	.11	.33	.32	.47	.28	-.28	.34	.14	.15	2.12
1962	.16	.24	.24	.30	.37	.23	.68	.67	.35	.43	.23	-.02	3.88
1963	.18	.18	.33	.43	.04	.32	.53	.65	.13	.12	.13	.00	3.04
1964	.18	.10	.33	.30	.09	.35	.68	.79	.17	.42	.31	.08	3.80
1965	.22	.03	.28	.43	.26	.53	.63	.42	.23	.29	.03	-.12	3.23

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

