

NOAA Technical Report NWS 34



Mean Monthly, Seasonal, and Annual Pan Evaporation for the United States

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National Weather Service**

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National Weather Service Series

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- WB 10 Hemispheric Teleconnections of Mean Circulation Anomalies at 700 Millibars. James F. O'Connor, National Meteorological Center, February 1969, 103 p.
- WB 11 Monthly Mean 100-, 50-, 30-, and 10-Millibar Charts and Standard Deviation Maps, 1966-1967. Staff, Upper Air Branch, National Meteorological Center, April 1969, 124 p.
- WB 12 Weekly Synoptic Analyses, 5-, 2-, and 0.4-Millibar Surfaces for 1967. Staff, Upper Air Branch, National Meteorological Center, January 1970, 169 p.

NOAA Technical Reports

- NWS 13 The March-April 1969 Snowmelt Floods in the Red River of the North, Upper Mississippi, and Missouri Basins. Joseph L. H. Paulhus, Office of Hydrology, October 1970, 92 p. (COM-71-50269)
- NWS 14 Weekly Synoptic Analyses, 5-, 2-, and 0.4-Millibar Surfaces for 1968. Staff, Upper Air Branch, National Meteorological Center, May 1971, 169 p. (COM-71-50383)
- NWS 15 Some Climatological Characteristics of Hurricanes and Tropical Storms, Gulf and East Coasts of the United States. Francis P. Ho, Richard W. Schwerdt, and Hugo V. Goodyear, May 1975, 87 p. (COM-75-11088)

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Malcolm Baldrige, Secretary

National Oceanic and Atmospheric Administration

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MEAN MONTHLY, SEASONAL, AND ANNUAL
PAN EVAPORATION FOR THE UNITED STATES

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INTRODUCTION

This publication is a compilation of monthly, seasonal, and annual averages of estimated pan evaporation based on observations from Class A pans and on meteorological measurements by the National Weather Service (NWS) and cooperating agencies. It replaces Technical Paper No. 13 (U.S. Weather Bureau, Hydrologic Branch, Division of Climatological and Hydrologic Services, 1950). These tabulations were generated from the augmentation of a smaller data set used to develop evaporation maps published in NOAA Technical Report NWS-33, Evaporation Atlas for the Contiguous 48 United States, (Farnsworth et al., 1982). This report and its companion report, the evaporation atlas, should facilitate the determination of monthly values of evaporation at most points in the country.

The data set used for the evaporation atlas included, at most, 15 years of data record. To obtain the tabulations contained in this report, the data set was enlarged to include the available period of record (through January 1981 for currently active stations). Therefore, while this report was produced at the same time as the evaporation atlas, there are some significant differences in the data used. The data sets used to produce the maps in the evaporation atlas were selected and, in some cases, adjusted to fit a common base period of 1956-70. For this report, the total period of record rather than a common time base was chosen for the record of observed pan evaporation. This avoids possible errors which might result from adjustments made to fit the common time base. Inclusion of the additional data periods of observed pan records required only tabulation from published records. However, the estimation of "pan" evaporation based on meteorological measurements requires many computations, and so only estimates for years for which the data were already prepared for computer processing (1956-70) for the atlas were included in this report. For the same reason, coefficients of variation of the monthly, seasonal, and annual values of the pan data were computed only for the 1956-70 base except for stations in the state of California which were available on magnetic tape for their full periods of record.

Evaporation means are included for only those stations that have at least 1 month with a period of record of 10 years or more prior to January 1981. Evaporation means for months with less than 5 years of record are omitted. Those means for months with between 5 and 10 years of record are shown to the nearest inch. This format should remind the user that these data cannot be treated with the same confidence as those means with 10 years or more of record which are shown to the nearest 0.01 inch. Actually, the latter should not be interpreted to an accuracy greater than 0.1 inches. However, the additional decimal place was retained to conform with published records.

Months with fewer than 20 observations were excluded from the analysis. This occurred mainly where observations were not taken on weekends, observers went on vacation, or temperatures were near or below freezing.

The data are presented in two tables. Table I lists averages based on observed Class A pan data, and table II lists average "pan" evaporation based on estimates of monthly evaporation derived from hydrometeorological measurements using a form of the Penman equation described by Kohler et al. (1955). Individual stations listed in the tables are ordered alphabetically within their appropriate states. The states are also listed alphabetically.

Table I data are generated primarily from data published in the series, Climatological Data of the United States (NOAA-EDIS). Details on site operation, including the name of the individual or agency operating the station, can be found in the annual summaries. Measurements obtained using non-standard pans, installations, or methods are difficult to compare with those obtained using the standard pans and, therefore, have more limited use. Only stations using standard Class A pans, with a standard installation, and assumed to be following standard procedures are included in table I. The standard Class A pans are unpainted, constructed of monel or galvanized metal, 47.5 inches in diameter, 10 inches deep, and mounted on a platform which raises the pan base a few inches above the surrounding ground. The installation of the pan and the measurement procedures are described in the NWS Observing Manual No. 2--Substation Observations (NOAA-NWS 1972). Approximate locations of the pans are shown in figures 1 and 2. Figure 1 shows those stations which observe only the evaporation from the pan while figure 2 shows stations measuring, in addition to evaporation, the temperature of the water in the pan and the total wind movement over the pan.

The values in table II are estimates based on hydrometeorological data for stations, most of which are published in the series Local Climatological Data (NOAA-EDIS). Details regarding individual stations are found in this publication, especially the issues which present annual summaries. As indicated previously, these data are averages of estimates of monthly Class A "pan" evaporation derived from hydrometeorological measurements. These measurements were taken at the stations of the NWS basic and synoptic network (NOAA-NWS 1979) which had at least 1 month with 10 years of record during the evaporation atlas base period, 1956-70. The locations of these stations are identified in figure 3. The observations required for the evaporation estimates were mean air temperature, mean dew point, the total wind movement 2 feet above the ground surface, and an estimate of incoming solar radiation. Daily wind movement was generally estimated from available wind speeds observed every six hours at the station anemometer height (often around 20 feet). This estimated wind movement was then adjusted, using a logarithmic relationship, to obtain an equivalent wind movement at 2 feet. Solar radiation was either measured directly (at those stations equipped with pyranometers), estimated from hours of sunshine (at stations equipped with sunshine recorders) (Hamon et al., 1954), or estimated from cloud cover (at the remainder of the stations) (Thompson, 1976).

The monthly mean estimated pan evaporation was computed for each month using eq. 1 of NOAA Technical Report NWS-33. A period-of-record average for each month of the year was formed by taking the average of all the values for a given month included in the period of record. The individual monthly sums were formed by multiplying the daily average by the number of days in the month. The data used to estimate each daily mean consisted of the mean daily air and dewpoint temperature and mean daily accumulations of solar radiation (sometimes estimated

from sky cover) and wind travel for the month. Determination of means in this way, using mean values of the input data rather than computing daily estimates of pan evaporation and then computing the average, was based on the experience of Kohler and others (Kohler et al., 1955) who stated that "experience has shown that only minor errors result when monthly evaporation (i.e., mean daily values for the month) is computed from monthly averages of the daily values of T_a , T_d , W_s and U_p (air temperature, dewpoint temperature, solar radiation, and daily pan wind travel)."

It should be noted that the annual means are computed as the sum of the individual monthly means. This causes some bias toward higher evaporation because the record is often not complete during months when temperatures are near or below freezing. For example, during a year when a spring month is colder than normal, observations are missed more often than usual because water in pans is frozen or the pan has to be taken out of service. In these situations, the data that are available for these months for computing an average represent intervals of milder temperatures and higher evaporation. When these months of partial record are summed into the annual or seasonal mean, they tend to bias the annual or seasonal value high. At stations located at high elevations, only the summer months are free from this problem. Our solution to this problem has been simply to note the number of years of record available for each month for each station and to caution users so that they may make subjective corrections appropriate at that location based on their familiarity with the climate.

All of the evaporation values in these tables represent estimates of expected evaporation occurring from a Class A pan. It has been found that evaporation from a shallow lake, wet soil, or other moist natural surfaces is roughly 70 percent of the evaporation from a Class A pan for the same meteorological conditions. The evaporation from shallow lakes and moist soils is generally classified by one of the following equivalent names: free water surface evaporation (FWS), lake evaporation (E_L), or potential evapotranspiration (PE). An estimate of FWS which is more accurate than that given by multiplying the pan value by 0.70, is obtained by multiplying the pan amount by the appropriate coefficient from map 4 of the evaporation atlas described earlier. Still greater accuracy can be achieved when the pan at which the evaporation data were observed also has concurrent records of pan water temperature and pan wind movement. Then FWS evaporation can be computed by methods described by Kohler et al. (1955).

One purpose of this report is to present, in convenient form, monthly means of pan evaporation for those stations having sufficiently long records to establish stable normal values. An important use for these records is in extrapolating to locations where monthly estimates of evaporation are required but no measurements have been taken. Annual and seasonal (May through October) evaporation can be estimated from the maps in the evaporation atlas. The pan data in these tables can be converted to free water surface (FWS) evaporation using map 4 of the evaporation atlas. Determination of monthly values from the annual or seasonal values is done by (1) determining the ratio of the monthly to annual evaporation for an appropriate station having data in these tables, and (2) multiplying this ratio by the value obtained from the map. For an example, see appendix A.

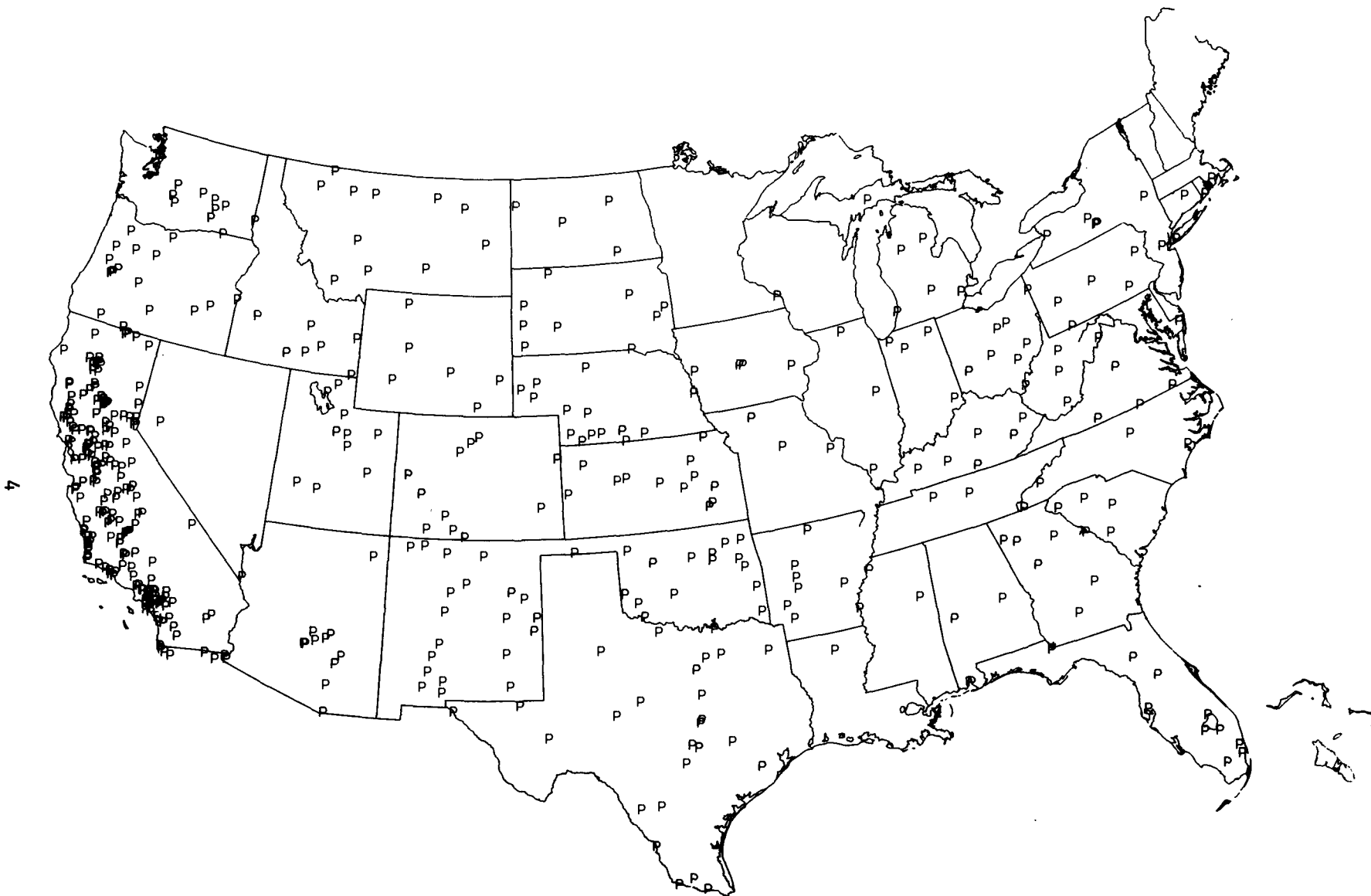


Figure 1. Distribution of Class A pan stations reporting observed evaporation only (water temperature not measured or measured for an insufficiently long period of record).



Figure 3. Distribution of weather stations measuring a form of air temperature, humidity, wind movement, and radiation, where evaporation can be estimated by the Penman equation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Other	Annual	Record Began Mo/Yr	Latest Data Mo/Yr			
														Oct ***	Apr ***	Season ***				***		
<u>ALABAMA</u>																						
Demopolis Lock and Dam 32° 31', 87° 50'	1	2245	2.39	3.02	4.54	5.58	6.50	7.06	7.01	6.67	5.16	4.10	2.73	2.21	36.50	20.47	-	56.97	8/56	11/79		
			14	15	20	23	23	22	22	24	24	24	23	15								
			****	16	14	9	7	8	10	13	16	11	13	19	5	****	****					
Fairhope 30° 32', 87° 55'	1	2813	1.97	2.45	3.88	5.03	6.28	6.46	6.05	5.60	4.56	3.79	2.36	1.74	32.74	17.43	-	50.17	8/34	12/79		
			41	42	43	44	44	43	44	45	45	44	44	43								
			18	8	9	9	9	9	9	9	9	11	11	13	18	5	8		5			
Martin Dam 32° 40', 85° 55'	1	5140	1.90	2.43	4.06	5.04	6.21	6.38	6.28	6.21	4.96	4.01	2.53	2.09	34.05	18.05	-	52.10	2/51	8/79		
			21	27	28	28	27	29	28	27	28	27	28	26	25							
			14	14	13	7	11	9	9	10	8	2	10	17	7	****	****					
<u>ALASKA</u>																						
Central 2 65° 34', 144° 49'	50	1466						4.28	4.19	2.70	2.25			-	-	13.42	-	7/63	8/78			
									15	17	15	10										
			****	****	****	****																
Juneau WSO AP 58° 22', 134° 35'	50	4100					3	3.62	4	3.34				-	-	16	-	5/69	8/78			
							9	11	9	10												
			****	****	****	****																
Matanuska Agr Exp Station 61° 34', 149° 16'	50	5733					4.62	4.38	4.16	3.16	1.95	1.61		-	-	18.27	-	8/29	8/78			
							26	46	47	48	46	15										
			****	****	****	****	****	****	****	****	****	****										
McGrath WSO AP 62° 58', 155° 37'	50	5769					4.68	4.26	2.81					-	-	11.75	-	5/69	8/78			
							10	10	10													
			****	****	****																	
Palmer IAS 61° 36', 149° 07'	50	6870					5.05	4.77	4.66	3	2			-	-	19	-	4/69	9/78			
							10	11	10	9	9											
			****	****	****	****	****	****	****	****												
University Exp Sta (College) 64° 51', 147° 52'	50	9641					4.84	4.88	3.04	1.41				-	-	14.17	-	5/29	8/78			
							19	18	19	13												
			****	****	****	****																
<u>ARIZONA</u>																						
Bartlett Dam 33° 49', 111° 38'	2	0632	4.19	4.96	7.47	10.53	14.44	16.81	16.59	14.50	12.57	9.76	6.09	4.66	84.67	37.90	-	122.57	6/40	12/79		
			38	39	39	39	39	40	40	40	40	40	40	39								
			28	20	21	9	8	5	8	13	12	11	16	20	5	9		5				

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

	State No.	Station Index No.**	Monthly												May- Oct ***	Nov- Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec						
ARIZONA (continued)																				
Davis Dam 2 35° 12', 114° 34'	2	2439	7.28 21 22	7.57 18 22	10.29 20 9	13.19 21 10	16.86 22 6	19.72 22 6	20.22 21 8	18.22 20 6	14.87 21 8	11.86 21 12	8.75 20 22	7.87 20 19	101.75 4	54.95 7	-	156.70 4	1/56	6/77
Davis Dam 35° 11', 114° 34'	2	2440	5 9 ****	6 9 ****	9 9 ****	11 9 ****	14 9 ****	16.68 10 ****	14.43 10 ****	14.62 10 ****	11.80 10 ****	8.93 10 ****	7.45 10 ****	5.73 10 ****	80 ****	44 ****	-	124 ****	7/48	6/61
Douglas 31° 21', 109° 32'	2	2659				13 7 ****	10.49 13 ****	9.06 12 ****	7.31 14 ****	5.80 12 ****	6 6 ****			-	-	52	-	-	6/65	10/76
Fort Valley 35° 16', 111° 44'	2	3160						6.87 11 ****	6.47 13 ****	4.82 13 ****	3.76 11 ****			-	-	21.92	-	-	7/62	9/70
Hawley Lake (Hawley) 33° 59', 109° 45'	2	3926					8 8 ****	8.64 11 ****	6.72 11 ****	5.65 12 ****	4.82 12 ****			-	-	-	-	38 ****	5/68	9/79
CO Many Farms 36° 21', 109° 37'	2	5204		3 6 ****	5.99 10 ****	9.54 11 ****	12.65 12 ****	15.42 14 ****	13.64 17 ****	11.19 19 ****	8.73 18 ****	5.63 17 ****	2.96 16 ****	67.31 8	-	-	-	-	8/51	3/73
McNary 34° 04', 109° 51'	2	5412					8 9 ****	8.36 10 ****	7 9 ****	6 9 ****	5.01 10 ****	4 9 ****		-	-	-	-	38 ****	5/68	6/78
Mesa Exp Station (Mesa) 33° 25', 111° 52'	2	5467	2.89 62 20	3.71 63 21	5.88 63 17	8.08 63 14	10.78 61 9	12.16 61 7	12.13 62 6	10.58 63 11	8.48 62 12	6.01 62 11	3.75 64 24	2.74 63 19	60.14 4	27.05 13	-	87.19 6	11/16	12/79
Nogales 2 N 31° 21', 110° 56'	2	5924	3.78 20 15	4.70 24 16	7.39 24 20	9.62 27 11	11.91 27 8	14.03 26 8	10.68 26 9	8.42 25 14	8.27 27 18	7.14 28 14	4.67 27 12	3.78 22 20	60.45 7	33.94 13	-	94.39 7	10/52	12/79
Page 36° 56', 111° 57'	2	6180			6 7 ****	8.90 19 13	11.60 20 12	14.00 21 17	14.09 22 16	12.11 22 15	8.84 21 13	5.54 21 10	2.40 16 ****	66.08 13	-	-	-	-	2/64	10/79
Roosevelt 1 WNW 33° 40', 111° 09'	2	7281	2.09 65 16	3.05 68 16	5.43 67 18	8.01 68 12	11.37 68 9	13.57 68 7	13.52 68 9	11.26 68 11	9.07 68 13	5.87 68 11	3.08 66 8	1.97 67 14	64.66 6	23.63 8	-	88.29 6	1/16	12/79

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr			
ARIZONA (continued)																						
San Carlos Reservoir 33° 10', 110° 31'	2	7480	2.31	3.49	5.87	8.72	11.75	14.12	13.46	11.59	9.65	6.63	3.63	2.34	67.20	26.36	-	93.56	7/48	12/79		
			30	31	31	31	31	31	31	32	31	31	31	31	32	31						
			16	15	15	9	5	6	5	5	11	16	10	12	14	4	6		4			
Sierra Ancha 33° 48', 110° 58'	2	7876	2.30	2.80	4.54	6.75	9.22	10.95	10.41	8.83	7.92	5.97	3.50	2.39	53.30	22.28	-	75.58	2/36	2/73		
			33	33	35	35	35	35	36	36	36	34	32	35	31							
			26	18	21	11	7	6	6	6	14	14	12	25	27	4	12					
Snowflake 15 W 34° 30', 110° 20'	2	8018					11	15	11	8.14	7.88					53	-	8/67	6/78			
							7	8	8	10	10											
							****	****	****	****	****											
Steward Mountain 33° 34', 111° 32'	2	8214	3.56	4.67	6.95	10.06	12.99	14.29	14.49	13.15	10.76	8.15	4.57	3.17	73.83	32.98	-	106.81	3/61	5/78		
			14	15	15	17	17	16	16	15	15	15	15	16	14							
			****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****				
Tempe, University of Arizona Citrus Exp Station 33° 23', 111° 58'	2	8499	1.60	2.92	4.95	7.23	9.64	11.01	11.22	9.83	7.78	5.18	2.54	1.48	54.66	20.72	-	75.38	9/53	6/78		
			25	25	25	25	25	25	24	24	25	25	25	25	25							
			17	14	16	12	10	9	6	12	11	9	17	21	7	10		7				
Tucson, University of Arizona 32° 14', 110° 57'	2	8815	2.92	3.92	6.58	9.18	12.17	13.84	12.55	10.56	9.33	6.89	4.10	2.43	65.34	29.13	-	94.47	1/29	12/79		
			51	51	51	51	51	51	51	51	51	51	51	51	51							
			19	16	13	7	12	11	8	10	13	16	17	15	9	9		8				
Wahweap 36° 59', 111° 29'	2	9114			7	9.65	13.75	15.86	16.50	15.42	11.20	8.23	4.53	80.96	-	-	-	1/62	10/79			
					9	13	16	16	16	17	18	17	12									
					****	****	****	****	****	****	****	****	****	****	****	****						
Willcox 3 NNW (Willcox) 32° 18', 109° 51'	2	9334	3.30	4.64	7.15	9.83	10.50	11.14	9.72	8.12	7.32	5.96	4.58	3.27	52.76	32.77	-	85.53	1/17	12/35		
			19	19	19	19	19	19	19	19	19	19	19	19	19							
			****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****				
White River 33° 50', 109° 58'	2	9271			6	8.12	10.04	11.64	9.58	8.65	7.74	5.85	3.56	2.37	53.50	-	-	-	11/67	10/79		
					6	12	12	12	12	12	12	12	12	12	12							
					****	****	****	****	****	****	****	****	****	****	****	****	****					
Yuma Citrus Station 32° 37', 114° 39'	2	9652	3.66	4.62	7.36	9.74	12.55	13.96	14.94	13.24	10.34	7.43	4.78	3.52	72.46	33.68	-	106.14	10/20	12/79		
			50	50	50	50	50	50	50	50	50	50	51	51	51							
			19	16	11	8	7	5	5	7	8	13	15	12	5	8		5				
Yuma Springs 32° 43', 114° 37'	2	9892	3.19	4.02	6.02	7.64	8.82	9.72	10.28	9.69	7.60	5.39	3.50	2.68	51.50	27.05	-	78.55	1/17	11/29		
			13	13	13	13	13	13	13	13	13	13	13	13	13							
			****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****				

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<u>ARIZONA (continued)</u>																				
Yuma Valley 32° 43', 114° 43'	2	9657	3.49 20 ****	4.34 20 ****	6.77 20 ****	8.66 20 ****	10.38 20 ****	11.08 20 ****	11.72 20 ****	10.74 19 ****	8.47 19 ****	6.12 19 ****	3.99 19 ****	3.14 20 ****	58.51 ****	30.39 ****	-	88.90 ****	1/17	6/40
<u>ARKANSAS</u>																				
Blakely Mountain Dam 34° 36', 93° 11'	3	0764	1 5 ****	2 7 ****	3.18 18 ****	4.37 24 ****	5.53 24 ****	5.99 24 ****	6.63 24 ****	5.98 24 ****	4.22 24 ****	3.28 24 ****	2.09 21 ****	1 8 ****	31.63 7	-	-	-	1/56	11/79
Blue Mountain Dam 35° 06', 93° 39'	3	0798			3.48 13 ****	4.52 13 ****	5.50 13 ****	6.62 13 ****	7.10 13 ****	6.38 13 ****	4.34 13 ****	3.06 13 ****	1.77 11 ****	1 6 ****	33.00 ****	-	-	-	1/67	11/79
Hope 3 NE (Hope) 33° 43', 93° 33'	3	3428	2.19 22 ****	2.54 26 ****	4.24 32 ****	5.07 35 ****	6.11 35 ****	6.77 36 ****	7.41 36 ****	6.88 34 ****	5.14 21 ****	4.17 35 ****	2.42 32 ****	1.80 29 ****	36.48 10	18.26 ****	-	54.74 ****	2/37	11/79
Mountain Home, CE 36° 20', 92° 23'	3	5038				5.38 25 11	6.15 27 10	6.83 27 7	7.42 27 10	6.81 27 10	5.05 27 15	3.59 27 15	2.35 16 ****		35.85 6	-	-	-	3/53	10/79
Narrows Dam 34° 09', 93° 43'	3	5110	2 9 ****	2.20 11 ****	3.77 16 ****	4.68 20 ****	5.62 20 ****	6.27 20 ****	6.76 19 ****	6.96 19 ****	5.29 19 ****	3.99 19 ****	2.29 17 ****	1.60 13 ****	34.89 6	17 ****	-	52 ****	11/50	7/70
Nimrod Dam 34° 57', 93° 10'	3	5200		2 8 ****	2.91 12 ****	4.44 17 ****	5.21 23 ****	6.24 23 ****	6.51 23 ****	6.01 23 ****	4.63 23 ****	3.28 23 ****	2.06 19 ****		31.88 22	-	-	-	10/43	9/66
Russellville (Russellville 4 N) 35° 17', 93° 06'	3	6352	1.63 21 ****	2.15 26 ****	3.75 36 ****	5.04 39 ****	6.00 37 ****	6.70 38 ****	7.38 37 ****	6.80 38 ****	5.16 18 ****	3.73 38 ****	2.03 35 ****	1.27 28 ****	35.77 12	15.87 ****	-	51.64 ****	1/37	8/79
Stuttgart 9 ESE 34° 28', 91° 25'	3	6920	1.30 26 31	2.02 36 19	3.79 48 20	5.18 49 16	6.17 50 16	7.39 51 14	7.47 51 16	6.88 51 22	5.09 51 22	3.87 51 25	2.39 49 22	1.44 35 ****	36.87 15	16.12 ****	-	52.99 ****	6/29	10/79
<u>CALIFORNIA</u>																				
Alamitos PEKC Pond 37° 15', 121° 52'	4	0053	0.97 19 35	1.46 19 22	2.69 19 16	4.03 19 18	5.31 19 12	6.47 19 12	6.95 19 11	6.40 19 10	4.70 17 16	3.09 18 15	1.45 18 16	0.90 18 22	32.92 9	11.50 8	-	44.42 8	1/60	12/78

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*** Sum of monthly means.

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

	State No.	Station Index No.**													May-	Nov-	Other	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Oct ***	Apr ***	Season ***			
CALIFORNIA (continued)																				
Alturas 2 SE 41° 03', 121° 40' (approx)	4	0161	1 5 ****	1 7 ****	3 7 ****	5 8 ****	6 8 ****	7.01 10 16	8.39 10 7	8.03 10 10	5.59 10 8	3.50 8 ****	1 7 ****	1 6 ****	39 ****	12 ****	-	51 ****	6/57	10/67
Alvarado 37° 34', 122° 07'	4	None	1.42 17 ****	2.22 17 ****	3.77 17 ****	4.98 18 ****	6.76 18 ****	7.40 18 ****	7.76 18 ****	6.76 19 ****	5.37 19 ****	3.75 19 ****	2.07 19 ****	1.42 19 ****	37.78 ****	15.88 ****	-	53.66 ****	8/24	4/42
Amboy 3 ESE Saltus 34° 32', 115° 42'	4	0176	4.98 11 16	7.60 10 24	11.59 11 16	14.73 10 17	18 9 ****	22.02 10 10	22.76 10 9	19 9 ****	15 9 ****	11 8 ****	7 9 ****	5 8 ****	108 ****	50 ****	-	159 ****	1/67	11/77
Antioch Pump Plant 3 37° 59', 121° 44'	4	0232	1.25 30 23	2.06 28 28	4.20 30 19	6.31 30 19	8.99 30 13	10.76 29 10	11.64 29 11	10.11 27 6	7.78 29 9	5.02 30 14	2.05 30 20	1.48 30 68	54.30 7	17.35 14	-	71.65 8	1/49	12/78
Arvin-Edison WSD 35° 13', 118° 47'	4	0325	1.65 10 23	2.99 10 14	4.96 11 31	6.85 10 19	10.98 10 17	12.52 10 13	14.06 11 8	12.95 11 5	9.69 11 16	5.98 11 12	3.03 11 20	1.81 11 29	66.18 8	21.29 9	-	87.47 4	3/67	12/77
Atascadero Lake 35° 28', 120° 40'	4	0360	1.57 11 38	2.09 12 24	3.39 11 40	5.16 10 21	6.57 10 22	7.83 10 5	9.29 10 12	8.19 10 10	5.91 10 13	3.74 10 28	2 9 ****	1.54 10 46	41.53 ****	16 ****	-	58 ****	1/64	2/79
Avenal 9 SSE 35° 54', 120° 03'	4	0398	2 9 ****	3.15 10 22	6.00 11 21	9.10 11 13	13.07 11 9	16.54 11 18	18.96 11 11	16 8 ****	12.24 11 10	8.10 11 12	3.93 11 13	2.31 11 26	85 ****	26 ****	-	111 ****	9/50	7/61
Backus Ranch 34° 57', 118° 11'	4	0418	2.87 25 23	3.74 25 16	6.57 25 20	10.04 26 21	13.15 26 10	16.61 27 12	18.27 24 9	17.09 23 11	12.52 24 7	7.95 26 13	4.33 26 17	2.99 24 28	85.59 7	30.54 11	-	116.13 6	6/36	6/62
Baldwin Park 34° 06', 117° 58'	4	0455	2.05 21 20	2.60 21 17	3.78 21 15	4.80 21 14	6.38 21 15	6.93 21 12	8.66 22 8	7.99 22 8	6.34 22 9	4.61 22 11	3.11 22 18	2.20 22 16	40.91 7	18.54 10	-	59.45 6	7/32	12/53
Bataques-Hyd Res - Baja Calif 32° 33', 115° 04'	4	0541	3.98 13 15	4.76 13 21	7.06 13 13	8.94 13 9	11.85 13 8	12.44 13 7	12.60 13 7	10.83 13 16	8.94 12 11	6.22 13 23	4.80 13 32	3.31 13 29	62.88 5	32.84 10	-	95.72 5	1/64	12/76
Beaumont Pumping Pl (Nr) 33° 59', 116° 58'	4	0607	3 8 ****	3.43 13 27	4.41 14 17	5.31 14 26	6.61 18 9	8.39 20 17	10.67 20 11	10.08 21 14	8.11 21 15	5.79 19 19	3.54 17 21	3.11 13 22	49.65 8	23 ****	-	73 ****	1/55	9/75

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

	State No.	Station Index No.**													May- Oct ***	Nov- Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec						
CALIFORNIA (continued)																				
Casitas Dam 34° 22', 119° 20'	4	1558	2.28 18 24	2.99 18 23	4.41 18 15	5.47 18 15	6.10 18 15	6.61 18 15	8.27 18 10	8.03 18 8	6.14 19 15	5.04 18 17	2.99 18 17	2.17 18 17	40.19 9	20.31 10	-	60.50 9	9/59	9/77
Castiac Dam Headquarters 34° 30', 118° 37'	4	1562	4.02 10 19	4 8 ****	6 9 ****	6.38 10 23	8.07 10 19	8.78 11 14	10.28 11 13	10.00 11 11	8.11 11 14	6.54 11 16	4.92 11 22	3.90 11 15	51.78 9	29 ****	-	81 ****	6/68	12/78
Cotheys Val Bullrun R 37° 24', 120° 03'	4	1588	1.26 13 30	1.89 13 22	3.39 13 19	5.28 13 28	8.82 13 16	11.22 13 12	13.43 13 6	11.97 13 7	8.78 13 11	5.31 13 10	2.09 13 17	1.10 13 33	59.53 6	15.01 14	-	74.54 6	12/65	11/78
Cedarville 12 SE 41° 27', 119° 59'	4	1614						9.17 11 20	13.27 11 7	11.46 10 16	8.62 10 9	5 6 ****			-	-	48	-	6/60	7/70
Chico Experiment Station 39° 42', 121° 47'	4	1715	1.33 21 37	1.99 23 22	3.77 26 18	5.66 26 21	8.31 28 16	10.07 28 15	11.30 28 8	9.65 28 10	7.37 28 11	4.50 26 16	1.94 24 36	1.31 18 72	51.20 9	15.99 13	-	67.19 6	5/51	10/79
Chula Vista 32° 36', 117° 06'	4	1758	2.85 61 15	3.35 61 12	5.00 61 9	5.99 61 10	6.85 61 9	6.97 61 8	7.60 61 5	7.32 61 6	6.11 62 8	4.89 62 10	3.62 62 11	2.42 62 13	39.74 5	23.62 7	-	63.36 4	9/18	12/79
Corcoran El Rico 1 36° 03', 119° 39'	4	2013	0.87 17 45	1.77 17 35	4.25 17 22	6.57 19 26	10.63 20 12	12.64 20 10	13.74 20 10	12.28 20 12	8.23 20 26	5.28 17 19	1.97 16 41	0.75 15 51	62.80 10	62.80 22	-	80.60 10	1/59	10/78
Coyote Reservoir 39° 11', 123° 11'	4	2105	1.42 19 36	1.89 19 16	3.31 19 13	5.12 17 23	7.48 17 13	9.88 18 9	11.77 18 8	10.59 18 10	7.87 18 10	4.61 18 14	1.89 18 20	1.14 18 22	52.20 4	14.77 10	-	66.97 4	1/60	3/79
Grane Valley PH 37° 17', 119° 32'	4	2122	1.57 20 35	1.81 20 35	2.87 21 27	4.13 22 36	6.57 22 25	8.78 22 16	11.46 22 10	10.94 22 10	8.35 21 12	5.16 21 17	2.60 21 44	1.54 21 47	51.26 9	14.52 22	-	65.78 9	4/57	8/78
Cuyamaca-Helix I.D. 32° 59', 116° 35'	4	2239			3 5 ****	4.92 12 20	7.09 14 18	9.57 15 10	10.28 15 14	9.69 15 12	7.56 16 14	5.28 16 14	3.54 10 13	2 6 ****	49.47 7	-	-	-	4/46	4/79
Davis 2 WSW (non-irrigated) 38° 32', 121° 46'	4	2294	1.34 49 33	2.12 53 31	4.12 53 23	6.34 53 25	9.07 53 19	10.83 53 14	11.73 53 10	10.38 53 10	8.35 53 13	5.51 54 18	2.55 54 30	1.32 49 36	55.87 11	17.79 16	-	73.66 11	5/26	12/79

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	State No.	Station Index No.**	Monthly												May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec						
CALIFORNIA (continued)																				
Davis Hydromet (irrigated) 38° 32', 121° 46'	4	2294	1.53 18 23	2.36 17 23	4.49 17 20	6.69 18 22	8.98 18 15	10.24 18 14	10.55 19 7	9.25 19 7	7.59 19 9	5.47 19 15	2.56 19 23	1.57 19 37	52.08 19 7	19.16 19 13	-	71.24 8	7/59	12/78
Death Valley 36° 28', 116° 52'	4	2319	4.50 17 21	6.19 17 24	10.45 18 15	14.31 18 10	19.05 19 9	21.47 19 7	23.99 19 7	21.32 19 7	16.08 19 9	11.27 19 9	6.23 19 21	4.27 19 20	113.18 19 6	45.96 19 9	-	159.14 6	5/61	12/79
Delano Gov Camp 35° 49', 119° 11'	4	2346	1.38 22 45	2.13 25 26	4.49 25 21	7.05 25 20	10.39 25 12	12.32 26 10	12.80 26 9	10.75 24 9	8.07 22 12	5.35 25 18	2.48 24 34	1.42 25 54	59.68 19 7	18.95 19 18	-	78.63 9	10/52	11/78
Don Pedro Reservoir 37° 43', 120° 24'	4	2473	1.30 26 25	2.17 26 18	4.06 26 20	6.06 26 25	9.65 26 18	12.28 28 14	14.72 28 8	12.95 28 8	9.72 28 9	6.06 27 17	2.36 27 22	1.30 27 45	65.38 19 8	17.25 19 16	-	82.63 9	6/50	8/78
Duttons Landing 38° 12', 122° 18'	4	2580	1.50 24 26	2.13 24 21	3.85 24 19	5.83 23 22	8.03 23 13	9.41 23 12	9.49 23 9	8.58 23 12	6.93 23 12	4.72 23 18	2.32 24 27	1.50 24 40	47.16 19 8	17.13 19 15	-	64.29 10	11/55	3/79
Eagle Rock Res 34° 09', 118° 11'	4	2605	3.62 22 26	3.66 22 32	4.96 22 19	5.59 22 16	5.91 22 13	6.57 22 17	8.54 23 9	8.19 23 10	6.77 23 14	5.43 22 17	4.17 22 16	3.50 22 17	41.41 19 7	25.50 19 7	-	66.91 4	7/56	9/78
El Toro - Moulton Ranch 33° 36', 117° 42'	4	2821	1.97 12 29	2.17 11 30	3.90 11 38	4.88 11 24	5.83 11 12	7.20 10 14	8.66 10 9	7.60 10 18	5.55 10 29	4.29 12 39	2.76 12 44	1.73 12 36	39.13 19 15	17.49 19 26	-	56.62 18	10/65	5/77
Encino Reservoir 34° 09', 118° 31'	4	2830	2.91 28 32	3.23 28 24	4.72 28 23	5.98 28 14	7.36 28 14	8.03 28 10	10.55 29 7	10.00 29 7	8.58 28 13	6.30 28 12	4.72 28 24	3.23 28 26	50.82 19 5	24.79 19 12	-	75.61 5	7/32	8/60
Fall River Mills Intake 41° 01', 121° 28'	4	2964	1 6 ***	1.42 12 38	3.03 24 23	5.04 28 19	7.40 29 16	9.06 29 17	12.20 29 9	10.75 30 8	7.13 30 13	3.86 29 17	1.30 18 29	1 8 ****	50.40 19 8	13 19 ****	-	63 ****	8/25	9/54
Ferndale 2 NW 40° 36', 124° 17'	4	3030	0.71 11 22	1.18 10 25	2.28 11 12	3.23 11 15	3.94 11 10	4.37 11 14	4.57 11 10	4.09 11 9	3.58 11 7	2.05 10 10	1.02 10 20	0.75 10 23	22.60 19 4	9.17 19 ****	-	31.77 ****	1/63	9/73
Finley 1 SSE 38° 59', 122° 52'	4	3056	0.94 16 20	1.57 16 29	2.95 16 17	4.65 16 22	7.09 15 14	8.11 15 12	9.33 15 7	8.15 15 11	5.83 15 8	3.43 16 19	1.38 16 23	0.83 16 29	41.94 19 7	12.32 19 11	-	54.26 6	10/63	4/79

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	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Other	Annual	Record Began	Latest Data
															Oct ***	Apr ***	Season ***			
CALIFORNIA (continued)																				
Fleming Fish and Game 40° 21', 120° 18'	4	3087				5.28	7.40	8.15	9.96	8.94	6.46	3.62			44.53	-	-	-	6/61	4/79
						16	17	18	18	18	18	18								
						18	12	11	7	13	11	11			6					
Florence Lake 37° 16', 118° 58'	4	3093	1.26	1.42	2.44	3.94	5.87	7.76	8.66	8.19	6.14	4.13	2.36	1.54	40.75	12.96	-	53.71	10/46	9/59
			13	13	13	13	13	13	13	13	13	13	13	13						
			45	31	25	14	10	10	8	7	9	20	21	32	5	13		6		
Folsom Dam 38° 42', 121° 10'	4	3113	0.90	1.62	3.46	5.38	8.09	10.13	11.46	10.18	7.66	4.96	2.03	0.94	52.48	14.33	-	66.81	1/56	12/79
			24	24	24	24	24	24	24	24	24	24	24	24						
			20	29	17	22	14	12	7	11	8	19	23	29	7	11		6		
Fresno State University 36° 49', 119° 44'	4	3257	1.14	2.05	3.94	5.90	8.58	10.31	10.94	9.17	6.69	4.21	2.05	1.02	49.90	16.10	-	66.00	9/68	12/78
			10	10	10	10	10	10	10	10	11	11	11	11						
			27	26	26	15	13	11	7	6	5	10	20	26	5	16		5		
Friant Gov Camp CP 36° 59', 119° 43'	4	3261	1.38	2.08	3.95	6.15	10.09	13.28	15.55	13.57	9.68	6.03	2.80	1.33	68.20	17.69	-	85.89	5/39	10/79
			39	39	40	40	41	41	40	41	41	41	40	40						
			28	21	18	22	15	14	11	11	10	16	27	37	15	16		11		
Fullerton AP 33° 52', 117° 24'	4	3289	2.76	3.07	4.41	5.39	6.57	7.24	8.74	7.99	6.46	4.96	3.58	2.68	41.96	21.89	-	63.89	1/35	5/77
			42	42	42	42	42	41	41	41	41	41	41	41						
			34	26	18	15	14	13	9	9	14	16	27	25	7	12		7		
Gibraltar Dam 34° 31', 119° 42'	4	3401	1.42	2.09	3.74	5.08	6.73	7.80	9.69	9.13	7.56	5.08	2.80	1.38	45.99	16.51	-	62.50	10/31	9/54
			23	23	23	23	23	23	23	23	23	21	21	21						
			25	24	20	15	11	9	7	6	6	8	15	20	5	12		6		
Hayfield Pump Plant 33° 42', 115° 28'	4	3855	5.00	5.91	9.45	12.95	17.09	18.82	19.84	17.17	14.88	11.02	7.36	4.84	98.82	45.51	-	144.33	5/34	12/45
			11	11	11	11	12	12	12	12	12	12	12	12						
			24	18	12	9	7	5	6	9	8	6	15	11	5	9		6		
Henshaw Res 33° 14', 116° 46'	4	3914	1.81	2.64	3.98	5.31	7.20	9.06	11.22	9.96	7.24	4.72	2.76	1.97	49.40	18.47	-	67.87	7/59	4/79
			18	18	19	18	16	16	18	18	17	18	17	16						
			25	21	25	18	12	11	9	9	15	25	25	33	7	13		6		
Hetch Hetchy 37° 57', 119° 47'	4	3939				5.08	5.59	7.24	8.90	7.95	6.02	3.54			39.24	-	-	-	8/49	10/77
						10	17	25	27	27	26	23								
						18	20	15	7	13	13	27			7					
Highland Farm 35° 38', 120° 16'	4	3951	3.19	3.19	4.61	7	11	14	17	15	11	7.95	4.60	3.58	76	26	-	102	10/69	3/79
			10	10	10	9	9	9	9	9	9	10	10	10						
			60	21	27	****	****	****	****	****	****	****	15	21	48	****	****		****	

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State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Other	Annual	Record Began	Latest Data	
														Oct	Apr	Season				***
CALIFORNIA (continued)																				
4	4018	1.38	2.13	3.90	5.75	8.46	10.87	13.11	11.73	8.82	5.90	2.36	1.30	58.89	16.82	-	75.71	3/59	3/79	
		18	18	20	19	19	20	20	20	19	19	19	18							
		18	15	14	22	17	10	8	9	10	17	27	31	5	12			5		
4	4173	1.97	2.44	3.74	4.72	6.65	7.20	7.76	7.17	6.26	4.53	3.19	2.01	39.57	18.07	-	57.64	9/34	12/45	
		10	11	11	11	11	11	11	11	11	12	12	11	12						
		33	25	20	15	11	15	11	6	13	19	27	18	10	****		****			
4	4176	1.02	1.06	1.85	3.27	5.24	6.89	8.39	7.60	5.55	3.70	2.09	1.34	37.37	10.63	-	48.00	10/46	9/59	
		13	13	13	13	13	13	13	13	13	13	13	13							
		53	41	33	16	13	11	10	9	10	16	21	33	4	14		4			
4	4259	2.83	4.43	7.26	9.91	12.82	14.76	14.81	13.46	10.66	7.55	4.00	2.55	74.06	30.98	-	105.04	3/59	12/79	
		20	20	21	21	21	21	21	21	21	21	20	21							
		18	13	10	10	6	10	9	11	11	12	13	19	8	9		7			
4	4300	2.56	3.07	4.25	5.24	5.98	6.57	7.72	7.40	5.90	4.41	3.22	2.52	37.98	20.86	-	58.84	2/46	6/72	
		26	27	27	27	27	27	25	26	26	26	26	26							
		30	30	20	15	15	15	11	9	12	15	26	33	8	12		8			
4	4303	2.05	2.68	4.57	6.61	9.76	12.60	14.57	13.15	9.65	6.22	3.27	1.97	65.95	21.15	-	87.10	7/49	6/78	
		24	23	25	29	29	29	29	29	29	29	28	26	25						
		24	22	19	20	15	12	12	11	13	16	19	23	9	13		10			
4	4321	1.18	1.89	3.43	4.69	7.05	9.61	12.28	11.02	8.03	5.24	2.10	1.02	53.23	14.81	-	68.44	1/59	6/70	
		12	12	12	12	12	12	11	11	11	11	10	11							
		29	27	14	23	12	12	6	8	6	18	43	59	5	19		7			
4	4422	1.02	1.57	2.64	3.67	4.84	6.06	7.05	6.38	5.04	3.07	1.65	0.83	32.44	11.33	-	43.77	2/31	1/79	
		48	48	47	47	48	47	48	48	48	48	48	48	48						
		77	71	32	26	23	22	19	23	28	35	84	70	19	26		18			
4	4443	1.18	1.30	2.01	3.31	5.04	6.73	8.27	7.20	5.59	3.58	2.09	1.46	36.41	11.35	-	47.76	10/46	9/59	
		13	13	13	13	13	13	13	13	13	13	13	13							
		35	27	25	17	11	10	9	9	15	17	19	27	7	12		6			
4	4534	1.85	2.99	5.83	8.50	12.09	14.33	16.57	14.69	10.87	7.48	3.58	1.85	76.41	24.60	-	102.13	10/49	11/78	
		29	28	28	29	29	29	27	27	28	28	29	29							
		24	25	17	17	11	12	11	11	11	13	22	31	9	10		9			
4	4590	0.98	1.77	3.23	5.24	8.11	10.35	12.25	10.71	7.83	4.88	1.85	0.91	54.13	13.98	-	68.11	3/59	7/78	
		16	18	19	18	20	19	18	18	19	19	19	17							
		28	22	19	23	15	14	9	7	8	17	28	34	11	19		10			

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	State No.	Station Index No.**													May-Oct	Nov-Apr	Other Season	Annual	Record Began	Latest Data
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	***	***	***	***	Mo/Yr	Mo/Yr
CALIFORNIA (continued)																				
Lake Bard 34° 15', 118° 50'	4	4673	5.00 10 32	4.41 10 30	5.51 11 22	6.61 11 22	7.28 11 14	8.19 11 21	9.72 11 9	9.13 11 13	7.36 11 18	7.36 10 22	6 9 ****	5.43 10 24	49.03 ****	33 ****	-	82 ****	3/67	9/77
Lake Curry 38° 21', 122° 07'	4	4677	1.34 15 19	2.01 14 32	3.46 15 22	5.04 15 20	7.16 15 16	8.98 15 9	10.31 15 9	9.57 15 7	7.28 15 13	4.92 14 14	2.52 14 26	1.38 15 21	48.22 7	15.75 14	-	66.97 8	1/31	12/45
Lake Mathews 33° 51', 117° 27'	4	4689	3.11 40 39	3.23 40 31	4.49 40 21	5.55 40 22	7.32 40 15	8.54 40 17	10.59 39 14	10.12 39 11	7.95 40 14	5.91 40 18	3.98 39 29	3.07 39 35	50.43 9	23.43 18	-	73.86 11	1/39	10/78
Lake O'Neil - Camp Pendleton 33° 20', 117° 19'	4	4694	3.19 26 25	3.31 26 32	4.49 26 22	5.63 26 26	6.18 25 14	6.89 26 13	8.54 24 15	8.27 26 21	7.01 26 22	5.35 26 18	3.86 26 28	3.31 26 30	42.24 9	23.79 16	-	66.03 11	3/53	3/79
Lakeport 39° 02', 122° 50'	4	4701	1 9 ****	1 9 ****	2.17 10 28	3.90 11 30	5.87 11 16	6.85 12 12	8.46 12 8	7.72 12 14	5.55 12 12	2.56 10 14	0.67 10 41	1 9 ****	37.01 ****	10 ****	-	47 ****	6/48	9/70
Lakeshore 40° 53', 122° 23'	4	4709	1.14 10 34	1.65 19 28	3.11 23 18	5.00 20 14	6.30 24 12	7.68 24 12	10.00 23 7	9.02 23 10	6.61 23 9	3.54 23 17	1.54 18 21	1.02 13 32	43.15 7	13.46 ****	-	56.61 ****	1/48	6/72
Lakeside 2 E 32° 51', 116° 53'	4	4710	3.23 13 17	3.74 13 16	4.84 12 13	6.18 14 14	7.36 12 11	8.70 12 14	10.55 11 6	10.00 11 6	7.68 10 17	6.26 11 12	4.37 10 14	3.27 11 14	50.55 4	25.63 9	-	76.18 3	4/66	4/79
Lake Solano 38° 30', 122° 30'	4	4712	1.85 16 20	2.87 16 34	5.04 16 20	7.37 16 25	10.66 16 12	12.18 16 9	12.87 17 5	11.36 17 8	9.01 17 11	5.98 16 13	2.62 16 24	1.78 16 44	62.06 4	21.53 12	-	83.59 4	7/63	12/79
Lake Spaulding Dam 39° 20', 120° 38'	4	4714					7.36 12 14	9.29 26 25	11.81 25 18	10.71 28 22	8.23 28 26	5.91 19 32		53.31 9	-	-	-	-	6/49	6/78
Laroy Anderson Dam 37° 10', 121° 38'	4	4916	0.98 12 31	1.26 12 11	2.44 12 18	3.62 12 21	5.31 13 13	6.50 13 15	7.44 13 10	6.61 13 15	4.96 12 15	3.15 12 24	1.37 12 25	0.91 12 25	33.97 11	10.58 10	-	44.55 9	5/66	8/78
Lexington Reservoir 37° 11', 121° 59'	4	4922	1.02 19 33	1.46 19 30	2.48 19 28	3.58 19 24	4.96 19 19	6.50 19 19	7.36 19 16	6.65 19 19	5.04 18 20	3.03 17 29	1.65 18 40	0.94 17 40	33.54 16	11.13 19	-	44.67 16	1/60	8/78

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State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr	
														Oct ***	Apr ***					
CALIFORNIA (continued)																				
4	4979	1.77	2.87	5.79	8.62	13.66	15.83	17.09	15.65	11.65	7.09	2.95	1.81	80.97	23.81	-	104.78	2/63	5/75	
		11	13	13	12	11	11	12	12	12	12	12	11	10						
		13	23	18	22	14	13	11	11	12	22	22	45	10	****		****			
4	4996	1.61	2.32	4.21	5.98	8.62	10.04	11.77	10.55	8.03	5.51	2.56	1.57	54.52	18.25	-	72.77	7/62	2/79	
		17	17	16	16	16	16	17	17	17	16	17	17							
		32	28	22	27	18	15	10	12	13	18	26	37	10	15		9			
4	5032	1.10	1.93	3.85	6.01	8.82	10.49	11.32	9.71	7.29	4.41	1.96	1.06	52.04	15.91	-	67.95	1/31	12/79	
		47	49	49	49	47	47	48	49	49	48	49	46							
		27	24	17	19	11	8	8	10	9	13	22	33	6	12		6			
4	5107	4.69	5.36	7.76	10.67	13.39	14.33	14.13	12.72	10.43	8.11	5.31	4.33	73.11	38.12	-	111.23	1/61	12/76	
		16	16	16	16	16	16	16	16	16	16	16	16							
		15	22	13	10	6	9	7	9	11	12	14	18	6	7		6			
4	5117	1.34	2.28	4.72	7.44	11.42	13.82	14.96	12.87	9.41	5.87	2.40	1.26	68.35	19.44	-	87.79	8/49	8/78	
		28	28	28	28	28	28	29	30	28	29	28	28							
		42	29	24	26	15	13	14	14	13	13	24	30	12	16		11			
4	5120	1.74	2.69	5.75	9.50	14.80	17.16	18.54	15.83	12.17	7.26	3.17	1.94	85.76	24.79	-	110.55	7/68	12/79	
		11	11	11	11	11	11	12	12	12	12	12	12							
		28	20	28	18	12	7	7	12	9	11	21	21	3	14		4			
4	5151	1.61	3.07	5.91	9.02	13.46	16	18.46	15.59	11.65	7.72	3.54	1.81	83	24.96	-	108	7/49	11/78	
		11	11	10	10	10	9	11	11	11	11	11	11							
		29	37	26	18	14	****	12	13	13	12	18	42	****	****		****			
4	5233	1.30	2.01	4.17	7.09	11.46	13.07	14.80	12.48	9.49	5.35	2.24	1.22	66.65	18.03	-	84.68	8/49	8/78	
		16	15	16	16	16	16	16	16	17	15	15	14	15						
		22	22	16	21	14	11	13	17	14	18	16	17	11	11		11			
4	5296	1.14	2.40	4.69	6.77	8.78	10.63	11.38	9.92	7.52	5.20	2.52	1.18	53.43	18.70	-	72.13	5/55	5/65	
		10	10	10	10	11	10	10	10	10	10	10	10							
		29	28	20	19	13	13	10	8	12	16	21	40	8	****		****			
4	5303	1.22	1.73	3.98	6.30	9.25	10.28	11.57	10.24	7.56	4.17	1.85	1.18	53.07	16.26	-	69.33	5/65	2/79	
		14	14	13	13	14	14	14	14	14	14	14	14							
		17	20	20	18	11	13	5	10	19	14	21	28	4	15		5			
4	5532	1	2.01	4.06	5.83	8.78	10.67	12.01	10	7	5	2	1	53	16	-	69	2/59	7/68	
		9	10	10	10	10	10	10	10	9	9	9	9							
		****	15	7	19	10	10	8	****	****	****	****	****	****	****		****			

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														***	***	***					
<u>CALIFORNIA</u> (continued)																					
Mexicali Hydro Res, Baja Cal 32° 40', 115° 48'	4	5570	2.72	3.66	6.10	8.11	10.71	12.09	12.13	10.59	8.15	6.18	3.39	2.48	59.85	26.46	-	86.31	1/61	12/76	
			16	16	16	16	16	16	16	16	16	16	15	16	16						
			12	13	8	8	4	5	5	10	7	11	11	18	4	6			4		
Mockingbird Res 33° 54', 117° 25'	4	5736	3.31	3.07	3.35	3.94	4.65	5.31	7.01	6.65	5.71	4.92	3.90	3.22	34.25	20.79	-	55.04	7/41	2/79	
			37	37	36	36	37	37	38	38	38	38	38	38	38						
			69	64	71	74	63	59	54	50	50	52	53	55	52	58			53		
Mojave 35° 03', 118° 10'	4	5756			7	10	13.86	15.91	17.60	15.79	11.85	7.99	5	83.00	-	-	-	9/64	4/78		
					7	8	12	13	13	12	13	14	8								
					****	****	10	9	8	12	11	13	****	5							
Monticello Dam 38° 30', 122° 07'	4	5818	1.14	1.85	3.27	4.96	7.36	9.41	11.30	10.16	7.68	4.88	2.01	1.10	50.79	14.33	-	65.12	12/58	1/70	
			13	12	12	12	12	12	12	12	12	12	12	12	12						
			27	34	19	27	9	13	7	6	6	13	25	28	5	15			7		
Morris Dam FC 390B 34° 11', 117° 53'	4	5871	2.24	2.28	3.78	4.72	6.06	7.05	9.33	8.78	7.24	5.08	3.70	2.20	43.54	18.92	-	62.46	10/30	9/49	
			19	19	18	19	18	19	19	19	19	19	19	19	18						
			30	26	30	18	17	16	10	8	8	17	32	19	10	17			12		
Nacimiento Dam 35° 46', 120° 53'	4	6056	1.65	2.32	3.94	5.63	7.95	9.96	11.46	10.59	7.83	5.28	2.72	1.73	53.07	17.99	-	71.06	5/57	3/79	
			21	20	22	21	22	22	22	22	22	21	22	22	20						
			28	30	22	20	11	11	9	6	9	14	23	31	5	12			6		
Newville I E 39° 48', 122° 30'	4	6178	1.73	2.56	4.17	6.42	9.49	12.40	14.61	12.76	10.43	6.81	3.15	1.85	66.50	19.88	-	84.90	3/59	10/70	
			11	11	12	12	12	12	12	12	12	12	11	11							
			31	40	21	27	16	10	6	9	9	21	35	44	6	15			8		
Oakdale-Woodward Dam 37° 51', 120° 53'	4	6305	1.14	1.77	3.39	5.31	9.29	12.28	14.69	12.72	8.94	5.35	2.40	1.14	63.27	15.15	-	78.42	10/18	12/67	
			42	44	41	45	42	43	42	43	42	42	43	38							
			32	22	15	20	13	11	8	8	11	17	29	31	7	12			8		
Oroville Dam 39° 32', 121° 29'	4	6527	1.22	1.97	3.54	5.31	8.03	10.24	12.32	11.02	8.43	5.28	2.24	1.18	55.32	15.46	-	70.78	1/59	3/79	
			21	21	20	19	19	20	20	20	19	20	20	20							
			29	26	19	28	17	10	5	10	11	16	30	48	6	17			7		
Ferris Res Evap 33° 50', 117° 12'	4	6818	3.86	3.94	5.35	6.38	8.58	10.47	12.87	12.36	9.29	6.81	4.29	3.15	60.38	26.97	-	87.35	12/63	1/79	
			14	14	14	14	14	14	12	11	12	12	14	14							
			41	27	22	25	12	19	8	6	19	20	20	22	5	16			****		
Pilot Rock Evap 34° 16', 117° 17'	4	6868	2.13	3.15	4.84	5.63	7.60	9.48	10.98	10.04	8.19	5.98	3.46	2.21	51.95	21.42	-	73.37	6/60	4/79	
			12	16	16	17	18	19	19	18	17	19	19	12							
			47	30	25	29	19	13	14	16	15	19	32	37	9	****			****		

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														Oct ***	Apr ***					
CALIFORNIA (continued)																				
4	6896	1.06	1.69	3.27	5.04	7.91	10.16	12.05	10.87	8.19	5.00	2.05	1.06	54.18	14.17	-	68.35	7/49	6/78	
		29	29	29	29	29	29	29	29	30	29	28	28	28						
		26	19	21	24	16	12	9	9	9	15	24	38	8	16			9		
4	6962	1.42	1.69	2.83	4.21	6.02	7.83	9.72	8.82	6.89	4.13	2.05	1.57	43.41	13.77	-	57.18	6/48	6/78	
		21	27	30	29	30	31	30	30	30	30	30	30	22						
		42	29	20	25	17	14	9	11	10	18	36	45	7	14			6		
4	7123	3.43	3.50	4.72	6.14	7.68	8.62	10.71	10.00	7.91	5.67	4.21	3.38	50.59	25.37	-	75.96	7/30	1/69	
		38	37	37	37	38	39	39	39	38	38	39	39	39						
		32	30	26	16	14	18	13	12	14	17	32	30	11	16			11		
4	7170	3.90	3.98	5.35	6.73	8.27	10.35	12.13	11.85	9.06	6.65	4.61	3.78	58.31	28.35	-	86.66	3/67	12/78	
		11	10	11	12	11	11	12	12	12	12	12	12	12						
		46	52	21	25	35	18	17	16	17	15	30	45	13	24			****		
4	7291	1.77	2.36	3.90	5.71	7.60	9.53	10.39	8.66	7.13	4.65	2.28	1.61	47.96	17.63	-	65.59	1/59	12/72	
		14	14	14	14	14	14	14	14	14	14	14	14	14						
		25	29	17	21	13	8	9	7	11	13	33	41	5	11			6		
4	7305	1.57	2.13	3.98	6.50	8.98	11.61	14.76	12.87	9.53	6.18	2.91	1.85	63.93	18.94	-	82.87	10/46	9/59	
		13	13	13	13	13	13	13	13	13	13	13	13	13						
		26	20	19	13	16	10	7	6	5	12	17	26	4	9			4		
4	7473	2.83	3.23	4.57	5.79	7.05	8.19	9.88	9.25	7.05	5.24	3.62	2.68	46.66	22.72	-	69.38	1/25	4/78	
		50	52	53	52	52	53	51	50	51	51	51	51							
		32	31	21	19	13	17	12	14	18	19	23	25	11	16			12		
4	7528	3.86	3.78	4.57	5.83	6.89	7.36	8.54	8.07	6.50	5.55	3.90	3.11	42.91	25.05	-	67.96	1/61	12/76	
		16	16	16	16	15	16	16	16	16	16	16	16	16						
		35	33	19	21	17	15	14	9	18	18	25	40	12	18			12		
4	7672	1.81	2.56	4.21	5.79	8.15	9.69	11.65	10.98	8.19	5.83	2.87	1.77	54.49	19.01	-	73.50	7/63	3/79	
		16	15	15	14	15	15	16	16	16	16	16	16	16						
		32	22	20	22	11	11	7	11	11	17	18	21	5	11			5		
4	7714	1.97	2.60	4.25	6.18	8.78	10.94	12.28	10.98	8.23	5.31	2.99	1.89	56.52	19.88	-	76.40	12/66	3/79	
		12	11	12	11	11	11	11	11	11	10	11	11	12						
		21	13	19	20	10	16	7	11	9	14	24	33	6	****			****		
4	7725	2.97	3.52	4.62	6.24	7.67	8.31	11.40	10.84	7.92	6.08	3.83	2.62	52.22	23.80	-	76.02	6/59	10/73	
		14	14	14	14	14	14	15	15	15	15	14	14							
		30	22	21	20	15	21	10	15	18	19	27	24	12	14			11		

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FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Other	Annual	Record Began	Latest Data	
														Oct ***	Apr ***	Season ***				Mo/Yr
CALIFORNIA (continued)																				
4	7759	5.75	4.69	6.14	6.50	7.56	7.76	10.35	9.45	8.46	7.40	7.56	6.14	50.98	36.78	-	87.76	1/31	12/54	
		24	24	24	24	24	24	24	24	24	24	24	24	24						
		31	40	30	19	16	13	8	6	11	15	31	21	5	17			8		
4	7811	2.72	3.23	4.80	6.38	8.58	10.31	12.56	11.50	9.02	6.38	3.78	2.80	58.35	23.71	-	82.06	7/39	9/71	
		32	32	32	32	32	32	33	33	33	33	31	32							
		28	24	23	17	11	16	12	13	15	25	20	38	11	15			12		
4	7846	1.58	2.62	5.57	8.99	13.28	16.07	19.13	17.23	12.21	7.36	2.90	1.57	85.28	23.23	-	108.51	2/63	12/79	
		16	17	17	16	17	17	17	17	17	17	17	16							
		23	23	23	27	14	11	8	10	9	10	22	28	4	14			5		
4	7866	4.02	3.74	4.25	5.43	5.91	6.81	9.02	10.20	8.78	7.60	5.75	4.76	48.32	27.95	-	76.27	2/57	3/79	
		22	23	23	21	21	21	22	22	22	22	22	22							
		23	28	27	25	19	21	19	23	23	28	27	31	13	13			11		
4	7873	2.91	2.83	5	5.47	7.24	8	9.84	9.33	7.91	5.40	4.17	2.80	48	23	-	71	10/46	9/57	
		10	10	9	10	10	9	10	11	11	10	10	10							
		52	29	****	14	7	****	10	8	11	8	21	32	****	****			****		
4	7964	1.50	2.20	3.70	5.55	7.36	8.58	9.41	8.30	6.57	4.37	2.13	1	44.59	17	-	62	7/62	1/79	
		17	16	16	16	16	16	17	17	17	17	17	7							
		37	26	26	23	17	17	9	8	10	15	19	****	6	****			****		
4	8135	1.81	2.14	3.45	5.25	7.51	9.21	11.49	10.23	7.93	5.02	2.57	1.75	51.39	16.97	-	68.36	1/46	12/79	
		31	33	33	33	33	33	33	33	33	33	32	31							
		33	33	19	28	20	15	12	14	12	16	28	37	9	13			9		
4	8140	1.14	1.30	2.20	3.58	5.79	7.28	9.17	8.31	6.30	3.66	2.13	1.50	40.51	11.85	-	52.36	10/46	9/59	
		13	13	13	13	13	13	13	13	13	13	13	13							
		47	32	23	16	17	10	6	9	12	13	20	27	5	13			5		
4	8252	2.75	3.58	4.72	5.59	6.77	6.93	9.02	8.35	6.73	5.04	3.62	2.72	42.84	22.98	-	65.82	1/52	12/67	
		16	15	15	15	16	16	16	16	16	16	16	16							
		22	23	20	23	14	15	9	7	11	15	22	24	8	13			9		
4	8295	0.55	0.94	1.77	3.23	5.00	7.32	9.09	8.46	6.02	3.46	1.38	0.79	39.35	8.66	-	48.01	7/55	2/79	
		15	18	19	19	19	18	19	19	19	19	19	17							
		60	50	56	29	25	16	9	10	12	25	50	51	7	21			8		
4	8338	2.40	2.99	4.61	5.98	7.68	8.19	8.58	7.60	6.57	5.31	3.11	2.24	43.93	21.33	-	65.26	3/61	5/71	
		10	10	11	11	11	10	10	10	10	10	10	10							
		11	21	9	15	9	9	9	8	10	13	16	18	6	****			5		

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	State No.	Station Index No.**													May-Oct	Nov-Apr	Other Season	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	***	***	***			
CALIFORNIA (continued)																				
Stony Gorge Res 39° 35', 122° 32'	4	8587	1.18 30 23	1.85 30 27	3.70 30 18	5.67 30 22	8.43 30 15	10.67 30 12	12.55 30 6	11.02 30 9	8.27 30 7	4.80 29 14	1.89 30 23	1.18 30 29	55.74 6	15.47 13	-	71.21 7	11/48	9/78
Success Dam 36° 03', 118° 55'	4	8620	1.42 19 26	2.17 19 19	4.17 19 17	6.42 19 21	9.76 19 11	11.97 19 10	13.82 18 7	12.44 20 9	9.33 19 10	6.18 18 16	2.72 18 27	1.30 18 31	63.50 7	18.20 11	-	81.70 7	8/59	6/78
Taft KTKR Radio 35° 09', 119° 28'	4	8755	2.05 18 31	2.87 18 20	5.47 18 16	7.80 18 21	11.46 19 12	13.78 19 8	15.47 19 5	13.86 19 7	10.35 19 9	6.77 18 12	3.27 18 18	1.81 18 29	71.69 4	23.27 8	-	94.96 4	5/60	9/78
Tahoe City 39° 10', 120° 08'	4	8758				3 5 ****	4.06 33 23	5.00 59 24	6.04 57 19	5.80 57 17	3.87 39 22	2.14 39 40		26.30 19	-	-	-	-	4/19	12/79
Tecate Hydro Res, Baja Calif 32° 32', 116° 39'	4	8817	3.27 13 20	3.31 13 27	4.29 12 26	5.20 13 23	6.14 13 16	7.01 13 14	8.62 12 19	8.27 10 16	6.81 12 11	6.42 12 21	3.86 13 18	3.54 12 17	43.27 10	23.47 11	-	66.74 ****	1/61	12/73
Terminus Dam 36° 25', 119° 00'	4	8868	1.54 16 30	2.36 16 21	4.09 16 21	5.98 16 26	9.57 16 14	11.93 16 8	14.29 15 5	13.23 16 9	10.04 16 9	6.61 15 13	2.91 15 22	1.34 15 36	66.07 5	18.22 14	-	83.89 6	9/62	8/78
Tijuana Hydro Res, Baja Calif 32° 31', 117° 02'	4	8928	3.43 15 26	3.70 14 18	3.94 14 14	4.96 13 15	5.83 15 10	6.10 13 12	6.93 14 11	7.32 13 10	5.83 16 12	5.08 15 14	3.39 14 35	3.03 14 23	37.09 7	22.45 ****	-	59.54 ****	1/61	12/76
Tracy Pumping Plant 37° 48', 121° 35'	4	9001	1.58 25 30	2.70 25 26	5.53 26 19	8.51 26 19	12.48 26 11	15.57 26 10	17.57 27 8	15.25 27 7	11.09 26 8	6.79 27 13	2.98 27 20	1.58 26 34	78.75 4	22.88 11	-	101.63 4	7/53	12/79
Trinity Dam Vista Pt 40° 48', 122° 46'	4	9024			3 5 ****	4.02 15 33	7.05 16 15	8.58 16 10	10.55 17 5	9.13 16 12	6.53 17 16	3.07 17 33	0.98 16 69	1 5 ****	44.91 5	-	-	-	7/62	11/78
Tujunga Spreading Gr - Evap 34° 13', 118° 25'	4	9048	3.35 12 27	3.70 12 33	5.04 12 24	6.06 11 19	7.68 12 13	8.03 12 13	10.16 12 8	9.61 12 6	7.36 12 20	5.79 12 13	4.53 12 25	3.50 13 22	48.63 8	26.18 11	-	74.81 7	12/32	12/44
Tulelake 41° 58', 121° 28'	4	9053				5 7 ****	8.02 14 11	8.34 17 12	9.45 17 5	8.54 17 10	6.65 18 24	3.62 11 14		44.62 ****	-	-	-	-	8/62	12/79

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														Oct	Apr	Season				***	Mo/Yr
														***	***	***	***	Mo/Yr	Mo/Yr		
CALIFORNIA (continued)																					
Turntable Creek 40° 46', 122° 18'	4	9083	2.32	2.76	3.98	5.51	6.54	8.39	10.51	10.04	8.66	5.83	3.27	2.64	49.97	20.48	-	70.45	1/48	10/69	
			19	21	22	22	21	22	22	22	22	21	21	20	18						
			32	32	27	28	17	18	9	10	12	17	31	41	8	17		10			
Twitchell Dam 34° 59', 120° 19'	4	9111	3.21	3.49	4.52	5.35	6.97	7.61	8.86	8.55	7.34	5.91	3.99	3.29	45.24	23.84	-	69.08	4/62	12/79	
			17	17	17	18	18	18	17	17	18	18	17	18							
			26	22	22	23	17	17	7	8	17	20	21	22	8	11		6			
U.S. Cotton Field Station 35° 32', 119° 17'	4	9145	1.50	2.64	5.12	7.48	11.18	12.20	12.40	10.55	8.19	5.35	2.40	1.30	60.32	20.44	-	82.59	8/44	10/78	
			17	17	17	17	17	17	18	19	19	19	18	17							
			26	20	14	20	12	6	10	10	9	12	26	32	6	8		6			
Vail Lake - USGS 33° 30', 116° 59'	4	9213	3.46	3.94	4.69	5.98	7.95	9.33	11.46	11.14	8.35	6.38	4.29	3.54	54.61	25.90	-	80.51	4/52	6/76	
			23	20	23	24	24	24	23	24	23	24	24	22							
			27	20	27	16	11	13	7	10	19	17	24	32	7	15		7			
Valle de Las Palmas, Baja Calif 32° 23', 116° 40'	4	9218	4.02	4.06	5.12	6.50	7.91	9.21	10.63	10.31	8.50	6.46	4.33	3.70	53.02	27.73	-	80.75	1/61	12/77	
			14	15	15	14	14	15	15	14	15	14	15	14							
			27	31	24	26	10	16	16	17	15	17	18	27	11	15		****			
Van Nuys FC 15B 34° 11', 118° 27'	4	9260	1.31	1.41	2.63	3.57	4.36	4.60	5.86	5.17	3.71	2.37	1.73	1.22	25.93	11.81	-	37.73	1/30	7/48	
			19	19	19	19	19	19	19	18	18	18	18	18							
			26	29	26	19	16	20	19	24	22	15	29	20	17	16		14			
Verdugo Pump Station 35° 15', 118°, 20'	4	9298	5.59	5.13	6.44	7.43	7.28	8.52	11.18	10.38	9.59	8.43	6.27	6.06	55.66	36.70	-	92.36	1/56	12/69	
			13	13	13	12	12	12	13	13	13	13	13	13							
			21	26	22	20	16	17	8	8	18	23	26	24	6	9		5			
Villa Park Dam 33° 49', 117° 46'	4	9338	2.83	2.99	3.35	4.76	5.43	6.14	7.76	7.36	5.82	4.76	3.39	2.60	37.27	19.92	-	57.19	1/64	6/78	
			15	15	15	15	15	15	14	14	14	14	14	14							
			29	31	31	15	12	19	9	9	23	17	26	24	6	13		7			
Vinton 39° 49', 120° 11'	4	9351				8	7.56	8.39	10.87	10.00	7.60	5			50	-	-	-	1/60	8/70	
						5	9	11	11	11	10	8									
						****	****	23	17	16	15	****				****					
Westley 37° 33', 121° 12'	4	9565	1.38	2.32	4.61	6.65	8.98	10.55	10.91	9.06	7.40	5.16	2.44	1.54	52.06	18.94	-	71.00	10/49	12/71	
			21	21	21	21	22	22	22	21	20	21	20	21							
			39	29	23	24	16	12	9	13	19	14	19	57	9	17		9			
Whale Rock Dam 35° 27', 120° 53'	4	960310	4.57	3.70	4.65	5.51	6.22	6.42	6.57	6.18	5.87	6.18	4.80	4.57	37.44	27.80	-	65.24	9/63	4/79	
			16	16	16	16	15	15	15	16	16	16	16	16							
			27	23	18	17	9	12	6	7	20	31	20	29	8	11		7			

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			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	***	***	***	***	Mo/Yr	Mo/Yr
<u>CALIFORNIA (continued)</u>																				
Whale Rock Res 35° 29', 120° 52'	4	960325	2.76 10 28	2.72 10 18	3.66 10 22	4.80 10 17	6 9 ****	7 9 ****	7 9 ****	7 9 ****	6 9 ****	4 9 ****	3 9 ****	2.52 10 25	37 ****	19 ****	-	56 ****	12/69	4/79
Whiskeytown Reservoir 40° 37', 122° 32'	4	9621	1 8 ****	1.51 18 38	2.92 19 16	4.61 16 26	7.09 19 18	8.84 19 9	11.08 20 8	9.71 20 14	7.11 21 13	3.79 21 21	1.44 19 37	1.08 14 38	47.68 5	13 ****	-	61 ****	7/59	12/79
Whitaker Forest 36° 42', 118° 56'	4	9629						6.06 10 19	7.99 12 6	7.80 12 10	5.71 12 20	3.50 10 43			-	-	31.06	-	7/66	10/77
Willow Creek, 1 NW 40° 57', 123° 38'	4	9694		1 7 ****	2 9 ****	3 9 ****	5 9 ****	7.14 10 8	8.62 11 5	6.89 11 8	4.51 11 16	2 9 ****	1 6 ****		34 ****	-	-	-	6/69	9/79
<u>COLORADO</u>																				
Alamosa WSO AP 37° 77', 105° 52'	5	0130				7.45 12 ****	9.71 15 9	10.58 16 7	9.57 17 6	8.37 17 12	6.68 17 8				-	-	52.36	-	5/60	9/79
Bonny Lake (Bonny Dam) 39° 38', 102° 11'	5	0834				8.18 19 16	9.41 28 16	11.57 29 20	12.44 30 15	11.30 30 13	8.55 28 18	6.68 23 17			59.95 12	-	-	-	1/49	8/78
Climax 2NW 39° 22', 106° 11'	5	1660							5.67 11 13	4.66 12 19	3.80 10 ****				-	-	14.13	-	7/58	9/71
Conejos 3 NNW 37° 08', 106° 02'	5	1816				7 7 ****	8.28 19 ****	8.57 20 ****	7.40 20 ****	7.06 20 ****	7.15 20 ****	5.27 15 ****			43.73 ****	-	-	-	6/40	9/59
Estes Park 40° 23', 105° 31'	5	2759					6 5 ****	7.13 14 16	7.06 15 9	5.87 15 18	5.14 13 15				-	-	31	-	5/56	9/71
Grand Junction 6 ESE 39° 03', 108° 27'	5	3489				7.77 17 16	10.23 22 21	12.83 23 27	13.20 23 24	11.35 22 26	8.38 23 27	5.19 17 27	2 8 ****		61.18 22	-	-	-	4/56	9/79
Grand Lake 6 SSW 40° 11', 105° 52'	5	3500					7 9 ****	8.30 25 14	8.33 29 8	7.00 30 14	5.65 30 15	3.67 19 ****			40 ****	-	-	-	8/49	9/79

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COLORADO (continued)																				
	5	3592					5.27	6.84	7.10	6.08	4.82	3.18			33.29	-	-	-	8/48	9/78
							12	29	30	31	31	16			****					
							****	19	9	13	15	17								
	5	4388			6	8.16	9.85	11.61	12.58	10.72	8.28	5.70			58.74	-	-	-	4/42	9/78
					7	33	37	36	36	36	37	35								
					****	13	13	14	11	9	13	17			7					
	5	4742					7	8.03	7.48	6.25	5.81				-	-	35	-	4/67	10/79
							5	13	13	13	13									
							****	****	****	****	****						****			
	5	5507						8.96	8.85	7.26	5.41				-	-	30.48	-	5/69	9/79
								11	11	12	12									
								****	****	****	****									
	5	5717	1.28	1.56	3.54	5.59	7.58	9.35	9.21	7.58	5.80	3.57	1.68	1.29	43.09	14.94	-	58.03	1/41	10/79
			30	30	33	39	38	39	39	39	39	39	35	15						
			8	10	18	15	13	13	11	14	14	22	22	13	9	9		8		
24	5	6743		3.62	5.76	6.96	9.00	10.51	11.06	9.41	7.68	5.43	3.38	3	53.09	-	-	-	3/42	10/70
				11	14	20	28	29	29	29	29	26	15	7						
				****	****	****	12	17	11	14	18	16	****	****	11					
	5	7866				8.44	10.60	12.26	13.16	11.88	9.16	6.86			63.92	-	-	-	9/56	10/79
						23	23	23	23	23	24	24								
						17	14	12	12	13	16	21			10					
	5	8064						6.50	5.85	5.02	4.12	3			-	-	24	-	8/48	9/79
								19	27	27	26	8								
								****	12	13	11	****								
	5	8501						8	8.02	6.89	5.45				-	-	28	-	7/65	10/78
								7	10	10	10									
								****	****	****	****						****			
	5	8582				4.00	5.47	6.73	6.62	5.68	4.53	3.18	2		32.21	-	-	-	8/48	10/79
						26	31	31	31	32	32	31	8							
						13	13	12	11	16	24	26	****		11					
	5	8742					7	8.57	7.27	6.04	5.59	4			38	-	-	-	5/40	9/71
							5	30	31	31	32	9								
							****	17	18	15	15	****			****					

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State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr											
<u>COLORADO</u> (continued)																														
5	9025				10	8.81	9	10	8	6.02	4			46	-	-	-	4/61	9/70											
					9	10	8	9	9	10	9																			
					****	****	****	****	****	****	****			****																
<u>CONNECTICUT</u>																														
6	1689					6	5.85	6.06	5.06	3.77				-	-	27	-	5/57	7/79											
					6	19	23	22	21																					
					****	10	15	12	12																					
6	5445					3.70	4.30	4.52	3.87	2.38	1.28			20.50	-	-	-	5/65	10/79											
					14	14	15	15	15	13																				
					****	****	****	****	****	****	****			****																
<u>DELAWARE</u>																														
7	3570				5.76	6.55	7.33	7.69	6.75	5.13	3.90			37.35	-	-	-	4/56	10/79											
					16	20	21	23	22	24	20																			
					****	10	10	10	11	20	16			13																
7	6410					5.17	6.00	6.39	5.59	4.00				-	-	27.15	-	5/28	9/79											
					12	18	16	15	15																					
					****	****	****	****	****	****																				
<u>FLORIDA</u>																														
8	0520	3.19	3.91	5.65	6.76	7.84	7.39	6.77	6.14	5.42	4.90	3.77	3.05	38.46	26.33	-	64.79	12/51	12/66											
														15	15	14	15	15	15	16										
														15	13	20	13	14	8	****	14	9	14	14	10	****	13		****	
8	0611	3.35	3.99	5.70	6.45	7.07	6.29	6.33	6.15	5.30	4.73	3.66	3.14	35.87	26.29	-	62.16	3/40	12/79											
														38	38	40	40	40	40	40	40	40	40	40	40					
														9	7	9	8	8	6	7	7	7	9	10	8	4	5		4	
8	3020	5	5	7	9	9	8	8.15	7.43	6	6	4	4.38	45	34	-	79	5/63	9/75											
														7	8	8	8	9	6	10	10	8	9	9	10					
														****	****	****	****	****	****	****	****	****	****	****	****	****	****		****	
8	3171	3.83	4.33	6.24	7.54	7.83	6.92	7.15	6.97	5.94	5.52	4.31	3.81	40.33	30.06	-	70.39	11/53	6/79											
														25	25	25	25	25	25	21	20	22	23	24	24					
														13	8	9	6	13	11	10	7	12	9	7	8	6	4		4	

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FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

	State No.	Station Index No.**													May-	Nov-	Other	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Oct ***	Apr ***	Season ***			
FLORIDA (continued)																				
Gainesville 2 WSW 29° 38', 82° 22'	8	3321	2.95 23 12	3.71 26 10	5.65 26 10	7.14 26 9	7.97 26 10	7.59 25 9	7.14 25 5	6.71 26 8	5.74 26 8	4.97 27 13	3.60 27 11	2.82 26 13	40.12 25.87 3	- 7 -	65.99 4	10/53	12/79	
Hialeah 25° 50', 80° 17'	8	3909	3.81 38 10	4.42 37 9	6.12 37 7	7.26 36 5	7.80 39 7	7.12 38 11	7.36 38 6	7.22 38 7	5.91 37 14	5.81 38 6	4.79 39 8	3.80 38 11	41.22 30.20 5	- 4 -	71.42 3	1/41	12/79	
Lake Alfred 28° 06', 81° 43'	8	4707	3.33 14 ****	3.91 14 ****	6.01 14 ****	7.37 14 ****	8.16 15 ****	7.23 15 ****	7.33 14 ****	6.92 15 ****	6.17 15 ****	5.30 14 ****	3.90 14 ****	3.09 14 ****	41.11 27.61 ****	- **** ****	68.72 ****	5/65	12/79	
Lake City 2E 30° 11', 82° 36'	8	4731	2.99 10 ****	3.76 11 ****	5.70 14 ****	7.06 14 ****	7.70 14 ****	7.55 13 ****	7.49 15 ****	6.59 13 ****	5.92 14 ****	4.94 15 ****	3.56 15 ****	2.98 13 ****	40.19 26.05 ****	- **** ****	66.24 ****	6/65	12/79	
Lisbon 28° 52', 81° 47'	8	5076	2.75 19 9	3.30 20 6	5.01 20 8	6.59 20 7	7.15 19 8	6.61 20 9	6.55 20 6	6.02 20 6	5.09 20 7	4.44 20 5	3.21 20 11	2.69 20 15	35.86 23.55 2	- 4 -	59.41 2	1/60	12/79	
Loxahatchee 26° 41', 80° 16'	8	5182	3.17 19 ****	3.81 19 ****	5.28 19 ****	6.27 19 ****	6.94 19 ****	6.17 19 ****	6.01 19 ****	5.91 19 ****	5.16 19 ****	4.55 19 ****	3.40 19 ****	2.81 19 ****	34.74 24.74 ****	- **** ****	59.48 ****	1/41	12/59	
Milton Exp. Sta 30° 47', 87° 08'	8	5793	2.58 12 ****	3.26 16 ****	4.99 16 ****	6.25 16 ****	7.02 16 ****	7.08 17 ****	6.56 16 ****	6.05 16 ****	5.27 16 ****	4.70 17 ****	3.18 16 ****	2.32 15 ****	36.68 22.58 ****	- **** ****	59.26 ****	1/63	12/79	
Moore Haven Lock No. 1 26° 50', 81° 05'	8	5895	4.05 31 11	4.30 31 9	6.47 31 10	7.87 31 9	8.50 31 11	7.68 30 9	7.50 31 8	7.17 31 11	6.56 31 10	5.91 31 12	4.46 31 7	3.60 30 11	43.32 30.75 7	- 6 -	74.07 6	1/49	12/79	
Tamiami Trail (40 Mi Bend) 25° 45', 80° 50'	8	8780	3.36 29 8	3.85 30 9	5.41 30 9	6.31 29 7	6.83 31 12	6.15 27 13	6.87 27 9	6.57 32 8	5.36 31 14	5.53 31 8	3.81 32 9	3.20 29 10	37.31 25.94 7	- 5 -	63.25 5	2/41	11/79	
Vero Beach 4W 27° 38', 80° 27'	8	9219	2.80 14 23	3.60 14 18	5.44 14 15	6.64 14 11	7.07 15 11	6.66 15 11	6.64 15 9	6.32 15 12	5.03 15 16	4.81 15 22	3.31 15 21	2.64 15 27	36.53 24.43 11	- 16 -	60.96 12	5/65	12/79	
Woodruff Dam 30° 43', 84° 52'	8	9795	2.63 18 14	3.27 17 10	5.20 19 9	6.51 19 8	7.27 18 11	7.84 18 11	7.33 18 5	6.96 19 7	6.52 19 8	5.42 19 14	3.44 19 8	2.58 19 11	41.34 23.63 5	- 5 -	64.97 5	1/59	12/78	

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FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Other	Annual	Record Began	Latest
														Oct	Apr	Season			
<u>GEORGIA</u>																			
Aily 32° 11', 82° 34'	9 0090	2.09	3.06	4.53	5.46	6.61	6.61	6.64	6.21	4.61	3.74	2.64	2.07	34.42	19.85	-	54.27	1/49	11/79
		17	19	18	20	17	20	20	18	18	20	19	15	****	****	****	****	****	****
Allatoona Dam 34° 10', 84° 44'	9 0181		3	3.87	5.06	5.77	6.27	6.55	5.97	4.71	3.46	2.32		32.73	-	-	-	5/52	11/78
			7	12	25	27	27	27	27	27	27	26	16		6				
Athens College of Agric (Athens) 33° 55', 83° 21'	9 0432	2.76	3.20	4.82	6.12	7.13	7.49	7.63	6.83	5.65	4.21	3.03	2.53	38.94	22.46	-	61.40	6/53	6/71
		14	15	17	16	17	18	16	17	17	18	17	18		6	5		3	
Calhoun Exp Station 34° 29', 84° 58'	9 1474			4.63	5.75	6.04	7.24	7.25	6.54	5.23	4.22	3	3	36.52	-	-	-	9/70	12/79
				8	9	9	9	9	9	10	10	9	8						
Experiment 33° 16', 84° 17'	9 3271	2.57	3.10	4.78	6.26	7.53	7.96	7.58	6.95	5.61	4.32	3.04	2.36	39.95	22.11	-	62.06	10/36	11/79
		30	32	35	43	43	41	43	42	43	44	41	35		5	5		5	
Rome WSO AP (Rome) 34° 21', 85° 10'	9 7610	1.77	2.76	3.85	5.29	6.37	6.69	6.85	6.02	5.05	3.76	2.32	1.54	34.74	17.53	-	52.27	1/49	3/68
		11	16	15	18	17	16	18	18	19	17	18	12						
Savannah WSO AP 32° 08', 81° 12'	9 7847	3	3.67	5.69	7.42	7.76	7.91	8.29	7.21	5.75	5.12	3.42	3	42.04	26	-	68	6/65	11/79
		9	11	13	12	13	14	13	14	13	13	13	9						
Tifton Exp Sta (Tifton) 31° 29', 83° 32'	9 8703	2.22	2.78	4.53	6.00	7.08	6.97	6.81	6.32	5.13	4.24	2.80	2.17	36.55	20.50	-	57.05	5/37	12/79
		36.	40	40	39	42	42	41	42	42	42	41	42	40				7	
<u>HAWAII</u>																			
Hilo WB Airport 19° 43', 155° 04'	49 1492	5.01	4.92	5.24	5.61	5.96	6.52	6.59	6.20	5.73	5.50	4.22	4.38	36.50	29.38	-	65.88	8/55	10/68
		13	13	13	13	13	13	13	14	13	13	13	12		6	****		5	
Hoeaee 21° 23', 158° 01'	49 1527	3.56	3.85	4.73	5.44	5.99	6.37	7.00	7.00	5.88	5.28	3.88	3.57	37.52	25.03	-	62.55	8/19	11/38
		18	18	18	18	18	18	18	19	20	20	20	20	19					

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	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<u>HAWAII (continued)</u>																				
Honolulu Obs. 21° 19', 158° 00'	49	1918	4.73 23 15	5.14 22 11	6.80 23 14	7.50 23 11	8.57 23 9	9.03 22 8	9.66 23 7	9.84 23 9	8.60 23 9	7.54 23 9	5.82 22 15	4.97 22 13	53.24 6	34.96 9	-	88.20 6	1/56	12/78
Lihue WSO AP 21° 59', 159° 21'	49	5580	5.47 24 ****	5.64 23 ****	7.30 24 ****	7.92 22 ****	8.97 23 ****	9.61 24 ****	10.25 23 ****	10.04 24 ****	9.15 25 ****	7.96 25 ****	6.30 25 ****	5.53 24 ****	55.98 ****	38.16 ****	-	94.14 ****	8/55	12/79
Maunawili Ranch 21° 23', 157° 48'	49	none	3.10 10 ****	3.13 11 ****	3.91 11 ****	3.75 11 ****	4.11 11 ****	4.08 11 ****	4.37 11 ****	4.36 11 ****	3.87 11 ****	3.57 10 ****	3.15 10 ****	2.99 10 ****	24.36 ****	20.03 ****	-	44.39 ****	2/20	9/30
Pahala 19° 12', 155° 29'	49	7421	4.59 15 ****	4.54 15 ****	5.01 15 ****	5.41 15 ****	5.59 15 ****	5.90 14 ****	6.43 14 ****	6.33 14 ****	5.49 14 ****	5.04 14 ****	4.52 14 ****	4.60 16 ****	34.78 ****	28.67 ****	-	63.45 ****	12/30	5/45
<u>IDAHO</u>																				
Aberdeen Exp Sta 42° 57', 112° 50'	10	0010				5.19 15 ****	7.56 43 16	8.48 43 14	9.88 42 6	8.84 43 13	6.03 44 13	3.61 30 12		44.40 7	-	-	-	-	5/35	12/79
Lifton Pump Station 42° 07', 111° 18'	10	5275				4.19 24 ****	6.35 40 12	7.52 45 13	9.02 45 6	7.96 45 8	5.54 44 12	3.15 33 ****		39.54 ****	-	-	-	-	5/35	12/79
Mackay 4 NW 43° 57', 113° 40'	10	5466						8.88 12 ****	10.65 14 ****	9.11 14 ****	6.92 10 ****			-	-	35.56	-	-	7/67	8/79
Milner Dam 42° 32', 114° 01'	10	none				4.85 19 ****	6.82 19 ****	8.11 19 ****	9.47 19 ****	8.59 18 ****	5.72 18 ****	3.05 18 ****	2 6 ****	41.76 ****	-	-	-	-	4/27	7/45
Minidoka Dam (Ruppert) 42° 40', 113° 29'	10	5980				7 8 ****	8.17 14 ****	10.82 13 ****	13.02 13 ****	11.48 13 ****	8.30 13 ****	4.79 13 ****	3 6 ****	56.58 ****	-	-	-	-	5/49	5/62
Moscow U of I (Moscow) 46° 44', 116° 58'	10	6152				4.39 26 21	5.42 34 21	6.18 41 11	8.46 41 7	7.60 41 17	4.50 40 17	3.20 12 ****		35.36 ****	-	-	-	-	6/39	12/79
Palisades Dam (Palisades) 43° 21', 111° 13'	10	6764					5.81 21 24	7.20 25 23	9.45 26 16	8.45 26 16	5.54 26 22	4 6 ****		40 ****	-	-	-	-	5/49	9/75

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<u>IDAHO (continued)</u>																					
Twin Falls WSO 42° 33', 114° 21'	10	9303				7	8.62	9.13	10.36	9.11	6.68	4.49		48.39	-	-	-	5/63	10/79		
						9	17	17	17	17	17	17	13								
						****	****	****	****	****	****	****	****	****		****					
<u>ILLINOIS</u>																					
Carlyle Reservoir 38° 38', 89° 20'	11	1290				5.57	6.95	8.50	8.80	7.24	5.69	4.37		41.55	-	-	-	4/63	10/79		
						17	17	17	17	17	17	16	15								
						****	****	****	****	****	****	****	****	****		****					
Hennepin Power Plant 41° 18', 89° 19'	11	4013				5	6.98	8.32	8.28	6.56	6.21	4		41	-	-	-	5/63	9/79		
						7	15	17	15	15	13	8									
						****	****	****	****	****	****	****	****		****						
Springfield WSO AP 39° 50', 89° 40'	11	8179				5.50	7.12	8.41	8.95	7.42	6.21	4.55	2	42.67	-	-	-	5/41	10/79		
						28	34	35	35	35	35	7									
						16	16	17	17	15	17	16	****		9						
Urbana 40° 06', 88° 14'	11	8740				4.62	6.33	7.60	7.80	6.29	4.85	3.43		36.30	-	-	-	4/63	10/79		
						11	16	16	15	15	15	16									
						****	****	****	****	****	****	****	****		****						
Urbana Engineering Campus 40° 07', 88° 14'	11	8750				3.90	5.67	6.25	6.52	5.92	4.59	3.23		32.18	-	-	-	4/48	10/62		
						13	14	13	15	15	15	14									
						16	14	18	19	14	11	20		12							
<u>INDIANA</u>																					
Culver Exp Farm 41° 10', 86° 28'	12	1952					6.61	7.67	7.38	6.25	4.80	3.23		35.94	-	-	-	6/61	11/74		
								12	13	13	12	12	11								
						****	****	****	****	****	****	****	****		****						
Dubois S Ind Forage Farm 38° 27', 86° 42'	12	2309				5.62	6.29	7.02	7.15	6.35	4.89	3.85	2	35.55	-	-	-	9/56	10/79		
						19	23	23	23	22	22	22	7								
						16	12	9	9	10	13	17	****		6						
Evansville WSO AP 38° 03', 87° 32'	12	2738				5.14	6.66	7.86	8.05	7.07	5.40	3.88	2.52	38.92	-	-	-	4/49	10/79		
						29	31	31	31	31	31	30	12								
						15	11	13	9	12	20	18	****		8						
Kendallville 41° 27', 85° 15'	12	4492				4.25	5.65	6.45	6.80	6.10	4.38	2.96		32.34	-	-	-	1/49	4/72		
						20	21	21	22	23	23	22									
						17	11	11	9	11	18	18		6							

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<u>INDIANA (continued)</u>																				
Milan Waterworks (Milan) 39° 07', 85° 08'	12	5656				4 9 ****	5.42 12 16	6 9 ****	6.07 12 14	5.60 13 9	4.17 13 19	3.16 11 20			30 ****	-	-	-	5/55	5/68
Oaklandon Geist Reservoir (Indianapolis) 39° 54', 85° 59'	12	6506				3.76 40 19	4.96 42 12	5.71 43 10	6.15 43 13	5.31 42 8	4.01 42 18	2.62 43 15	1.66 16 ****		28.76	-	-	-	6/37	10/79
Valparaiso Waterworks 41° 31', 87° 02'	12	8999				3.66 10 14	5.38 20 14	6.14 20 10	5.94 19 9	4.92 20 11	3.23 20 23	2.95 19 29			28.56	-	-	-	4/60	9/79
W. Lafayette 6 NW 40° 25', 86° 56'	12	9430				4.88 17 ****	6.30 20 16	7.28 23 10	7.33 22 9	6.02 23 9	4.84 23 15	3.54 23 19	2 5 ****		35.31	-	-	-	9/56	10/79
<u>IOWA</u>																				
Ames 8 WSW 42° 02', 93° 48'	13	0200				6 8 ****	7.39 15 ****	8.65 15 ****	8.59 15 ****	7.12 15 ****	5.43 15 ****	4.32 13 ****			41.50	-	-	-	4/65	10/79
Ames 3 SW (Ames) 42° 00', 93° 39'	13	0205				4.84 35 20	6.82 38 15	7.76 38 15	8.47 38 14	7.13 8 8	5.26 38 13	3.71 38 25	2 6 ****		39.15	-	-	-	4/33	10/70
Burlington Radio KBUR 40° 49', 91° 10'	13	1060				5.25 14 ****	7.00 15 ****	8.30 15 ****	9.04 15 ****	7.25 15 ****	5.46 15 ****	4.13 15 ****			41.18	-	-	-	4/65	10/79
Castana Exp Farm (Castana 4E) 42° 04', 95° 49'	13	1277				5.65 13 20	7.10 18 21	8.12 18 25	8.34 18 22	7.23 18 21	5.40 18 30	4.23 16 33			40.42	-	-	-	5/56	9/79
Cherokee 42° 45', 95° 32'	13	1442				4.19 15 ****	6.01 15 ****	6.92 15 ****	7.86 15 ****	6.66 16 ****	5.03 16 ****	3.45 16 ****			35.93	-	-	-	8/37	11/53
Dubuque WSO AP 42° 24', 90° 42'	13	2367				5.29 14 ****	7.00 16 ****	8.17 17 ****	8.54 16 ****	7.57 16 ****	5.14 17 ****	3.87 16 ****			40.29	-	-	-	4/63	10/79

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<u>IOWA (continued)</u>																				
	13	6119				6.09 18 ****	7.21 22 ****	8.45 21 ****	9.18 22 ****	7.63 22 ****	6.15 21 ****	4.60 20 ****			43.22 ****	-	-	-	4/38	10/66
	13	7613					7 9 ****	8.79 10 ****	8.68 10 ****	8.07 10 ****	5.96 10 ****	4.23 10 ****			43 ****	-	-	-	5/66	10/79
<u>KANSAS</u>																				
	14	1383				8.23 24 14	9.60 29 18	12.29 29 19	13.31 29 15	11.89 30 14	9.09 30 22	6.47 23 26			62.65 13	-	-	-	8/49	9/78
	14	1699				7.94 14 ****	9.42 14 ****	12.11 14 ****	13.41 14 ****	11.71 14 ****	9.26 14 ****				-	-	63.85	-	4/66	9/79
31	14	1867				6.86 12 ****	8.18 14 ****	9.24 15 ****	10.68 15 ****	9.48 15 ****	6.62 15 ****	5.26 14 ****	3 5 ****		49.46 ****	-	-	-	6/64	9/78
	14	2430			4.59 10 ****	6.26 16 ****	6.90 16 ****	8.13 16 ****	9.22 16 ****	8.30 16 ****	5.61 16 ****	4.43 16 ****	2.44 12 ****		42.59 ****	-	-	-	4/64	10/79
	14	2686		4 5 ****	5.58 22 31	7.49 30 18	8.31 30 20	9.22 29 11	10.61 30 17	10.09 31 21	7.47 31 27	5.59 30 21	3.46 23 25	2 9 ****	51.29 14	-	-	-	8/48	9/78
	14	2980				9.50 17 ****	11.48 17 ****	13.65 17 ****	14.66 17 ****	11.88 16 ****	8.86 17 ****	7.32 14 ****			67.85 ****	-	-	-	4/63	10/79
	14	3100				6.68 11 ****	5.35 15 ****	10.55 15 ****	11.97 15 ****	10.75 15 ****	7.39 15 ****	5.36 13 ****			51.37 ****	-	-	-	5/65	10/79
	14	3527				8.17 41 16	9.88 42 21	12.90 41 21	14.52 42 17	13.05 42 18	10.04 26 ****	7.50 21 ****			67.89 ****	-	-	-	5/38	9/79
	14	4104				6.88 17 11	7.68 18 23	8.62 18 8	10.13 18 12	8.86 18 24	5.98 19 12	4.71 18 28	3 9 ****		45.98 13	-	-	-	9/60	9/78

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** Climatological Data (NOAA-EDIS)
*** Sum of monthly means.
**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
KANSAS (continued)																				
	14	4178				7.08	8.25	10.13	11.49	10.50	7.72	5.78	5		53.87	-	-	-	5/49	9/78
						27	30	30	30	30	30	27	5							
						13	20	15	17	19	32	24	****		16					
	14	4857				6.49	7.51	8.83	10.05	9.25	6.13	4.44			46.21	-	-	-	7/58	10/79
						20	21	21	22	22	21	20								
						14	16	11	11	15	19	21			9					
	14	4977				6.19	7.38	8.98	10.31	9.27	7.31	4.77			48.02	-	-	-	5/25	9/29
						23	30	30	30	30	30	25							4/38	10/62
						****	****	****	****	****	****	****			****					
	14	5039				6.73	7.87	9.49	11.27	9.97	6.84	5.39	3		50.83	-	-	-	5/66	10/79
						13	14	14	14	14	14	14	7							
						****	****	****	****	****	****	****	****		****					
	14	5306				6.74	8.00	9.68	11.11	10.00	6.89	5.41			51.09	-	-	-	7/65	9/78
						11	12	11	12	11	12	11								
						****	****	****	****	****	****	****			****					
	14	5852				7.49	9.02	11.05	12.42	10.78	7.66	5.71			56.64	-	-	-	4/63	10/79
						16	16	17	17	17	16	15								
						****	****	****	****	****	****	****			****					
	14	6333				6.80	7.35	8.88	10.23	9.40	6.35	5			47	-	-	-	4/69	9/78
						10	10	10	10	10	10	9								
						****	****	****	****	****	****	****			****					
	14	6498				7.13	7.87	8.88	9.92	8.82	6.37	5.85			47.71	-	-	-	9/63	9/78
						12	15	15	15	14	16	14								
						****	****	****	****	****	****	****			****					
	14	7073				5.44	6.82	7.48	8.25	7.67	5.32	4.11	2		39.65	-	-	-	4/56	10/79
						22	24	24	24	24	24	24	6							
						12	14	10	12	11	23	26	****		10					
	14	8191			4.72	6.44	7.48	7.96	9.58	8.66	5.76	4.52	2.49		43.96	-	-	-	4/56	9/78
					14	23	23	23	23	23	22	22	17							
					****	18	21	8	18	19	28	23	23		12					
	14	8235				7.79	9.86	12.17	13.90	12.01	8.96	6.14			62.67	-	-	-	9/16	9/78
						62	62	61	62	62	63	10								
						21	19	20	13	13	20	****			****					

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** Climatological Data (NOAA-EDIS)

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct ***	Nov- Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
KANSAS (continued)																				
Tuttle Creek Lake (or Dam) 39° 15', 96° 36'	14	8259				6.29 15 ****	7.75 16 ****	8.61 19 11	9.98 18 13	8.82 18 5	5.89 19 15	4.82 16 ****			45.87 ****	-	-	-	9/59	9/78
Webster Dam 39° 25', 99° 25'	14	8648				6.80 15 ****	8.29 21 14	10.09 21 15	11.54 21 20	10.17 21 9	7.18 21 17	5.57 20 16			52.84 9	-	-	-	4/58	9/78
Wichita 37° 40', 97° 18'	14	None				6.19 10 ****	6.99 10 ****	8.90 10 ****	10 9 ****	10 9 ****	7.75 10 ****	5.42 10 ****			49 ****	-	-	-	9/18	6/27
Wilson Lake (or Dam) 38° 58', 98° 29'	14	8946				6.87 11 ****	8.54 14 ****	10.24 13 ****	11.98 14 ****	10.77 14 ****	7.53 15 ****	5.97 13 ****			55.03 ****	-	-	-	3/64	9/78
KENTUCKY																				
Buckhorn Lake (Buckhorn) 37° 21', 83° 23'	15	1080				4.62 17 ****	5.02 18 ****	5.47 18 ****	5.63 16 ****	5.07 18 ****	3.89 17 ****	2.91 17 ****			27.99 ****	-	-	-	4/61	10/79
Dawey Dam 37° 45', 82° 47'	15	2180					4.51 15 13	4.94 16 12	5.35 17 11	4.67 16 17	3.50 17 24	2.24 15 24			25.21 11	-	-	-	9/53	10/70
Dix Dam 37° 48', 84° 43'	15	2214				5.33 23 15	6.14 25 9	6.47 26 10	6.93 26 8	6.34 26 10	5.01 24 10	3.62 20 13			34.51 5	-	-	-	4/54	9/79
Eadsville (Lock 21) 36° 54', 84° 53'	15	None		3 9 ****	4 10 ****	4.98 10 ****	5.86 10 ****	5.99 10 ****	4.90 10 ****	3.64 10 ****	2.51 10 ****	1.59 10 ****			27.88 ****	-	-	-	5/37	11/46
Madisonville 37° 19', 87° 29'	15	5067				5.83 22 14	6.86 24 8	7.56 24 11	7.84 24 7	6.91 24 11	5.06 24 15	4 5 ****			38 ****	-	-	-	4/56	9/79
Nolin River Lake (or Reservoir) 37° 17', 86° 15'	15	5834				5.58 16 ****	6.63 16 ****	7.15 16 ****	8.92 16 ****	6.63 16 ****	4.73 16 ****	3.71 15 ****			37.71 ****	-	-	-	4/64	10/79

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** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

	State No.	Station Index No.**													May-	Nov-	Other	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr		
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Oct ***	Apr ***	Season ***					
<u>KENTUCKY (continued)</u>																						
Wolf Creek Dam 36° 52', 85° 09'	15	8807	2 7 ****	2 7 ****	4 7 ****	4.68 12 ****	5.47 20 12	6.35 23 10	6.57 23 9	5.88 23 12	4.58 23 18	3.24 21 12	2 7 ****	2 6 ****	32.09 7	17 ****	-	49 ****	6/48	9/70		
<u>LOUISIANA</u>																						
Calhoun Exp Sta 32° 31', 92° 20'	16	1411	2 7 ****	3.02 15 ****	4.69 19 17	5.59 19 8	6.89 19 10	7.48 18 8	7.56 19 7	7.15 20 10	5.38 20 6	4.35 20 15	2.68 28 15	2.14 14 ****	38.81 ****	20 ****	-	59 ****	8/60	11/79		
LSU Ben-Hur Exp Sta 30° 22', 91° 10'	16	5620	2.31 9 ****	3.34 16 ****	4.85 17 ****	6.43 14 ****	7.18 15 ****	7.72 16 ****	6.69 16 ****	6.36 16 ****	5.47 17 ****	5.23 15 ****	3.42 17 ****	2.54 15 ****	38.65 ****	22.89 ****	-	61.54 ****	3/63	12/79		
Woodworth State Forest 31° 08', 92° 28'	16	9865	1.72 14 22	2.16 18 18	3.50 18 15	4.56 17 13	5.82 17 18	6.17 17 12	6.16 17 14	5.80 18 16	4.46 18 12	3.68 17 14	2.10 17 12	1.68 16 23	32.09 9	15.72 10	-	47.81 8	1/57	9/75		
<u>MAINE</u>																						
Caribou WSO AP 46° 52', 68° 01'	17	1175					5.46 10 ****	5.72 17 ****	5.80 17 ****	4.72 16 ****	3.20 16 ****	2 5 ****				27 ****	-	-	-	6/63	9/79	
New Gloucester 43° 57', 70° 18'	17	5686					6 9 ****	4.97 10 ****	6 9 ****	5.50 12 ****	3.85 11 ****				-	-	26	-	6/63	9/79		
<u>MARYLAND</u>																						
Beltsville 39° 02', 76° 53'	18	0700					5.13 11 ****	5.66 31 9	6.57 36 6	7.31 37 10	6.19 37 13	4.75 34 18	3.34 33 11	2.44 17 ****	33.82 ****	-	-	-	5/41	10/79		
Savage River Dam 39° 31', 79° 08'	18	8065					5 8 ****	5.42 27 8	5.80 26 7	5.98 29 8	5.36 29 8	4.17 29 13	2.73 27 18				29.46 4	-	-	-	5/51	10/79
Upper Marlboro 3 NNW 38° 52', 76° 47'	18	9070					4.62 17 ****	5.67 22 11	6.31 23 8	6.68 23 9	5.85 22 13	4.12 22 11	2.99 20 11				31.62 3	-	-	-	4/56	10/79

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Other	Annual	Record Began Mo/Yr	Latest Data Mo/Yr
														Oct ***	Apr ***	Season ***			
<u>MASSACHUSETTS</u>																			
19	6938				3.09	4.53	5.27	5.63	4.77	3.33	2.13			25.66	-	-	-	4/52	10/79
					21	28	28	28	28	28	27								
					15	14	14	14	10	11	12	7							
<u>MICHIGAN</u>																			
20	2015				3.88	5.86	6.91	7.35	6.18	3.10	2.99			32.39	-	-	-	8/52	9/79
					18	30	27	27	26	26	23								
					****	14	14	10	10	14	22	****							
20	2395				5	6.18	6.95	7.37	6.14	4.45	2.91			34.00	-	-	-	4/56	10/79
					7	23	24	23	24	24	23								
					****	14	10	12	8	13	25	5							
20	3123				4.90	5.89	6.24	5.00	2.97	1.91				26.91	-	-	-	7/39	10/60
					18	20	21	22	22	20									
					****	****	****	****	****	****	****	****							
20	4502				5	6.11	6.43	5.31	3.43	2.34				29	-	-	-	5/60	9/79
					8	17	16	18	17	12									
					****	****	****	****	****	****	****	****							
20	4967				4.80	5.17	5.62	4.46	2.87	1.82				24.74	-	-	-	5/51	10/79
					24	29	29	29	29	26									
					16	10	17	14	14	40									
20	7690				3.99	5.59	6.61	6.81	6.06	4.57	3.17			32.81	-	-	-	5/52	9/78
					25	27	27	27	27	25									
					7	10	11	8	7	11	14	5							
<u>MINNESOTA</u>																			
21	3921				5.12	5.83	6.15	4.80	2.92	2				27	-	-	-	5/58	8/79
					10	15	14	14	13	8									
					****	****	****	****	****	****	****	****							
21	4546				5	7.93	9.03	9.02	7.43	5.61				44	-	-	-	5/66	9/78
					9	13	13	13	13	13									
					****	****	****	****	****	****	****	****							
21	8692				6	6.43	8.38	8.47	6.73	5.07				-	-	41	-	4/64	9/79
					5	15	15	15	15	15									
					****	****	****	****	****	****	****	****							

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Other	Annual	Record Began	Latest Data	
														Oct	Apr	Season				***
<u>MISSISSIPPI</u>																				
22	7886 Scott 33° 36', 91° 05'	2.12	2.78	4.50	5.87	7.48	8.38	8.15	7.32	5.74	4.36	2.87	2.01	41.43	20.15	-	61.58	11/52	11/77	
		17	19	23	25	25	25	25	24	24	24	25	19							
		17	21	21	10	11	10	8	6	16	11	11	24	6	****			****		
22	8374 State University 33° 28', 88° 48'	2.28	3.81	4.59	5.99	7.24	7.62	7.77	7.30	5.75	4.49	3.01	2.25	40.17	21.93	-	62.10	10/48	11/79	
		24	26	29	31	31	31	31	31	31	31	32	32	26						
		22	20	18	10	11	9	13	12	16	13	12	11	8	****		****			
22	8998 Tunica 2 34° 41', 90° 23'				6.49	7.65	8.41	8.81	8.08	5.92	4.84	3.20		43.71	-	-	-	4/60	10/79	
					16	17	19	19	18	18	18	12								
					****	****	11	13	10	25	22	13		****						
<u>MISSOURI</u>																				
23	1800 Columbia (Univ of Missouri) 38° 59', 92° 28'				4.80	5.77	7.06	8.11	6.82	5.76	3.54	2		37.06	-	-	-	5/16	10/26	
					22	23	23	24	24	24	24	8							6/36	9/39
					****	****	****	****	****	****	****	****	****		****				6/44	10/52
23	6777 Pomme De Terre Dam 37° 55', 93° 19'				5.94	7.05	8.51	8.99	8.09	5.22	4.31			42.17	-	-	-	6/63	9/78	
					12	11	14	15	15	14	11									
					****	****	****	****	****	****	****	****		****						
23	7470 St. Louis (Washington U) 38° 39', 90° 19'				2.77	4.17	5.32	6.06	6.75	5.82	4.67	2.79	1.53	31.41	-	-	-	6/38	10/56	
					11	17	18	19	19	19	19	19	11							
					****	****	****	****	****	****	****	****	****	****	****					
23	7963 Spickard 7 W 40° 15', 93° 43'				5.25	6.07	7.01	8.00	6.98	4.88	3.78			36.72	-	-	-	4/59	10/79	
					15	17	20	17	19	20	17									
					****	****	11	****	8	8	****			****						
23	8805 Weldon Springs 38° 42', 90° 44'				4.85	6.07	7.39	7.28	6.49	4.88	3.72			35.83	-	-	-	4/57	9/74	
					10	13	13	17	18	17	14									
					****	14	8	14	9	13	18			****						
<u>MONTANA</u>																				
24	0392 Babb 6 NE 48° 56', 113° 22'					5.96	6.28	7.18	6.00	4.24				-	-	29.66	-	5/50	8/79	
						19	30	30	29	24										
					****	17	12	11	18											
24	1044 Bozeman Agricultural College 45° 40', 111° 03'				3.67	5.72	6.17	8.33	7.47	4.73	2.72			35.14	-	-	-	7/16	10/20	
					32	39	39	40	40	40	38								5/35	10/69
					15	15	19	9	14	20	15			9						

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														Oct	Apr	Season						
														***	***	***	***					
MONTANA (continued)																						
24	1047				5	5.87	6.76	8.13	7.46	5.07	3			36	-	-	-	5/67	10/79			
					6	12	13	13	13	13	7											
					****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
24	1470					5.23	6.38	8.33	7.31	4.59				-	-	31.84	-	5/56	9/79			
						23	24	24	24	24												
						14	21	10	10	31												
24	2409				5.29	5.62	6.64	5.63	3.70	3				30	-	-	-	8/50	9/79			
					22	27	28	30	30	5												
					16	14	6	8	21	****												
24	3110				5.05	7.27	7.95	9.94	9.17	5.58				-	-	44.96	-	4/48	9/79			
					22	28	30	31	31	31												
					****	37	26	21	23	32												
24	3175				7.47	7.70	9.61	9.28	6.73	4.41				-	-	45.20	-	5/35	9/56			
					14	22	22	22	22	15												
					****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	
24	3176					7.49	8.68	10.67	9.86	5.88	3.56			46.14	-	-	-	5/56	9/79			
						23	23	23	23	23	21											
						17	18	14	13	17	16											
24	4328					5.07	5.82	7.98	6.77	3.48	2			31	-	-	-	8/48	9/79			
						31	31	31	32	31	9											
						19	13	12	20	23	****											
24	4345				5.25	6.88	7.15	8.64	7.84	4.79				-	-	40.55	-	8/48	10/79			
					24	26	28	28	28	28												
					19	14	18	13	11	14												
24	5337					7.10	7.82	8.73	7.55	4.61	2.75			38.56	-	-	-	5/26	10/70			
						45	45	45	45	45	41											
						11	17	16	15	19	11											
24	5761				5	6.97	7.79	10.44	9.95	6.51				-	-	47	-	4/48	9/79			
					9	26	27	27	27	27												
					****	19	20	14	14	22												
24	7150					6.24	5.89	8.34	7.18	4.83				-	-	32.48	-	5/35	8/48			
						14	14	14	14	14	14											
						****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only where there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr			
<u>MONTANA</u> (continued)																						
24	7560				4.14	6.21	6.89	7.72	6.64	3.94	2.62			34.02	-	-	-	5/57	10/79			
					12	22	22	22	23	23	22						****					
					****	14	19	9	9	20	****											
24	8165					8.00	8.85	10.75	9.51	5.72	4			47	-	-	-	8/50	8/74			
						13	20	22	23	19	5											
						****	26	14	15	20	****											
24	8233				5	6.46	7.02	8.63	7.99	4.78	4			39	-	-	-	4/53	9/75			
					6	21	23	23	23	23	5											
					****	14	18	15	13	23	****											
24	8501					6.79	7.05	8.48	7.87	6.47	3.47			40.13	-	-	-	7/16	8/78			
						33	45	46	47	46	10											
						****	22	21	16	26	****											
24	8783				6	7	7.99	6.78	4.27					-	-	32	-	4/66	10/79			
					5	9	12	13	12													
					****	****	****	****	****													
24	9240					8.36	8.49	10.56	9.67	6.37	5.15			48.60	-	-	-	8/48	9/79			
						13	18	18	18	18	11											
						****	****	****	****	****	****											
<u>NEBRASKA</u>																						
25	1045				6	8.36	9.25	11.04	9.98	7.47	5.36			51.46	-	-	-	6/48	9/79			
					8	31	32	32	32	19												
					****	13	20	14	8	14	****											
25	1145				5.18	6.81	8.02	9.19	8.08	5.78	3.69			41.57	-	-	-	5/31	9/78			
					41	48	48	48	48	44												
					17	15	13	11	9	11	19											
25	2741				7.49	8.11	9.99	11.36	10.09	7.55	5.03			52.13	-	-	-	9/51	10/79			
					26	28	28	28	28	29	29											
					13	18	18	14	11	16	21											
25	3165				5	7.51	8.45	9.71	8.37	5.84	4.54			44.42	-	-	-	5/61	9/78			
					5	17	17	17	17	14												
					****	****	****	****	****	****	****											
25	3395					8.49	10.73	11.14	9.56	6.75				-	-	46.67	-	4/63	9/79			
						17	16	15	17	17												
						****	****	****	****	****												

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only where there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr	
<u>NEBRASKA</u> (continued)																				
Harlan Co Lake (or Dam) 40° 05', 99° 12'	25 3595				6.62	8.64	10.15	11.26	10.10	7.62	5.57			53.34	-	-	-	5/49	10/79	
					13	31	30	30	31	31	28									
					13	18	18	14	15	22	22				13					
Holdredge 1 E 40° 26', 99° 20'	25 3911					6.96	7.75	8.22	7.32	5.46				-	-	35.71	-	7/57	9/70	
						10	11	13	14	12										
						15	14	12	16	10										
Kingsley Dam 42° 13', 101° 39'	25 4455					6.91	8.21	9.77	8.52	5.91	4.03			43.35	-	-	-	8/38	10/79	
						35	40	40	41	41	33									
						14	18	11	8	12	****			****						
Lincoln Agron Farm 40° 51', 96° 37'	25 4790				5.06	6.93	8.39	9.96	8.40	6.44	4.33			43.82	-	-	-	4/17	9/68	
						41	48	48	50	51	50	46								
						****	20	18	19	14	15	35			12					
Mead Agronomy Lab 41° 10', 96° 25'	25 5362					7.65	9.19	9.62	7.93	5				-	-	40	-	4/69	9/78	
						10	10	10	10	9										
						****	****	****	****	****	****									
Medicine Creek Dam 40° 23', 100° 13'	25 5388				7.08	8.58	10.35	11.45	10.18	7.72	5.37			53.65	-	-	-	10/51	10/79	
						26	28	28	28	28	26									
						17	17	18	11	11	21	26			11					
Mitchell 5 E 41° 57', 103° 41'	25 5590				6.54	6.74	8.52	9.08	7.30	5.45	5			42	-	-	-	4/49	9/79	
						10	28	29	31	31	30	6								
						****	16	10	10	7	13	****			****					
Northeastern Nebr Exp Sta 42° 43', 96° 57'	25 6018					8.47	9.54	10.28	8.02	6.16				-	-	42.47	-	5/63	9/79	
						13	13	13	13	14										
						****	****	****	****	****	****									
North Platte Exp Farm 41° 04', 100° 45'	25 6075				6.28	9.30	9.42	11.22	9.93	7.40	6.53			53.80	-	-	-	5/49	10/79	
						24	28	30	30	30	14									
						19	16	15	15	10	18	****			****					
Omaha (North) WSFO 41° 22', 96° 01'	25 6260					7.80	8.82	8.70	7.94	5.75	4.81			43.82	-	-	-	6/58	9/79	
						20	22	22	22	23	17									
						14	10	10	7	13	13			3						
Red Willow 40° 21', 100° 39'	25 7110				7.29	8.82	10.35	11.49	10.16	7.38	5.55			53.75	-	-	-	4/62	7/79	
						17	18	18	18	17	14									
						****	****	****	****	****	****	****			****					

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

	State No.	Station Index No.**													May- Oct ***	Nov- Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec						
NEBRASKA (continued)																				
Rosemont 40° 16', 98° 22'	25	7330				7.59 14 ****	9.39 19 16	10.31 20 17	11.47 20 13	10.72 20 16	8.19 20 29	6.20 20 25			56.28	-	-	-	6/48	10/67
Trenton Dam 40° 10', 101° 04'	25	8628				7.17 22 17	8.74 25 18	10.49 25 21	12.06 26 12	10.98 26 13	8.01 26 22	5.46 24 23			55.74	-	-	-	5/54	10/79
Valentine Lakes Game Refuge 42° 35', 100° 41'	25	8755					6.83 27 16	7.69 30 13	8.67 30 11	7.74 29 8	5.94 25 16	4.51 12 ****			41.38	-	-	-	6/48	8/79
NEVADA																				
Boulder City 35° 59', 114° 51'	26	1071	3.44 40 15	4.43 39 18	7.49 40 11	10.77 42 10	13.87 41 8	16.26 42 8	16.14 41 8	14.07 43 8	11.42 42 7	7.75 41 10	4.59 39 15	3.30 35 16	79.51	34.02	-	113.53	1/49	12/79
Central Nev Field Lab 39° 23', 117° 19'	26	1630				6 8 ****	9 8 ****	10.75 11 ****	12.25 10 ****	11 9 ****	8.61 10 ****	5.11 10 ****			57	-	-	-	4/56	10/79
Fallon Exp Sta 39° 27', 118° 47'	26	2780			4.21 13 ****	5.75 13 ****	7.34 15 ****	8.52 16 ****	9.21 16 ****	7.86 16 ****	5.49 16 ****	3.75 15 ****	2.99 13 ****		42.17	-	-	-	3/50	11/79
Lahonton Dam 39° 28', 119° 04'	26	4349				8 5 ****	9.78 15 ****	11.56 23 15	13.96 23 7	12.37 23 11	8.07 23 8	4.85 11 ****			60.59	-	-	-	4/48	5/74
Lamoille Power House 40° 41', 115° 26'	26	4395				5 7 ****	6.29 24 ****	7.45 24 ****	9.78 24 ****	8.92 24 ****	6.40 24 ****	3.83 24 ****			42.67	-	-	-	7/16	8/47
Ruby Lake 40° 12', 115° 30'	26	7123				7.78 10 ****	9.65 14 ****	10.94 15 ****	9.77 15 ****	5.97 16 ****	4 9 ****				48	-	-	-	5/49	9/79
Rye Patch Dam 40° 28', 118° 18'	26	7192				8.55 25 ****	9.95 27 ****	12.80 27 ****	11.30 28 ****	8.12 24 ****	4.90 17 ****				55.62	-	-	-	7/40	10/79
Silverpeak 37° 40', 117° 35'	26	7463				10 7 ****	11 8 ****	18.21 10 ****	17.72 10 ****	16 8 ****	12 9 ****	7 8 ****	3 6 ****		82	-	-	-	3/68	11/79

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*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Other	Annual	Record Began	Latest Data				
														Oct	Apr	Season				***	Mo/Yr	Mo/Yr	
<u>NEVADA (continued)</u>																							
26	8970				7	9.85	10.99	12.96	11.95	8.86	6.11			59.65	-	-	-	7/57	7/70				
					5	12	16	18	18	16	16												
					****	8	17	10	15	11	9						****						
<u>NEW HAMPSHIRE</u>																							
27	4480					5.08	5.85	6.58	5.73	3.93	2.74			29.91	-	-	-	5/52	10/79				
						20	25	25	25	25	17												
						****	12	10	7	7	17							****					
27	5211				3	4.40	5.06	5.58	4.51	2.94	1.94	1		24.43	-	-	-	5/42	11/55				
					7	14	15	16	16	16	15	5											
					****	****	****	****	****	****	****	****	****	****	****	****	****						
<u>NEW JERSEY</u>																							
28	1335					4.78	4.92	5.52	4.65	3.38	2.19			25.44	-	-	-	4/31	9/79				
						40	44	44	44	43	37												
						18	12	20	13	17	12							9					
28	6055					5.81	6.51	8.33	7.14	4.54	3.04			35.37	-	-	-	6/68	10/79				
						11	12	12	12	12	11												
						****	****	****	****	****	****							****					
28	7131				4.15	5.63	5.85	6.58	5.67	4.01	2.68	1.95		30.42	-	-	-	4/37	6/58				
					13	21	22	21	21	21	14												
					****	****	****	****	****	****	****	****	****	****	****	****	****						
28	7825					5.09	5.21	5.64	5.07	4.12	2.62	2		27.75	-	-	-	5/35	11/48				
						14	14	14	14	14	14	5											
						****	****	****	****	****	****	****	****	****	****	****	****	****					
<u>NEW MEXICO</u>																							
29	0041				7.83	10.21	11.83	10.79	9.50	7.59	5.66			55.58	-	-	-	4/64	12/79				
					13	16	16	16	16	16													
					****	****	****	****	****	****							****						
29	0131	3.01	4.44	7.69	10.01	11.75	13.01	11.95	10.27	8.36	6.17	3.89	2.73	61.51	31.77	-	93.28	10/18	12/48				
		36	36	36	36	36	36	36	36	36	36	37	37	37									
		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****					

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

	State No.	Station Index No.**	Monthly												May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec						
NEW MEXICO (continued)																				
Alamogordo Dam 34° 36', 104° 23'	29	0205	3.82 24 ****	4.66 31 23	8.51 31 19	11.12 35 13	13.18 36 11	14.95 36 10	14.25 36 11	12.38 36 12	10.14 36 19	7.35 36 19	4.87 31 17	3.79 26 ****	72.25 8	36.77 ****	-	109.02 ****	1/39	11/73
Animas 31° 57', 108° 49'	29	0417				10.98 12 ****	14.38 10 ****	14.40 11 ****	12.87 12 ****	11.19 13 ****	8.62 10 ****	6.77 10 ****		68.23 ****	-	-	-	-	1/67	11/79
Bitter Lakes Wild Rfg. 33° 29', 104° 24'	29	0992	2.92 17 35	4.34 23 20	7.28 24 18	10.14 24 8	11.73 24 10	12.94 21 10	12.37 25 15	10.83 24 8	8.46 22 14	6.20 22 19	3.63 20 17	2.72 18 26	62.53 6	31.03 ****	-	93.56 ****	1/51	10/79
Bosque del Apache 33° 46', 106° 54'	29	1138	3.57 12 ****	3.52 16 ****	7.79 16 ****	10.38 14 5	11.38 16 6	13.41 17 3	11.48 18 6	10.52 17 12	8.12 17 17	6.56 17 13	3.31 12 13	2.84 14 ****	61.47 5	31.65 ****	-	93.39 ****	1/49	10/73
Caballo Dam 32° 54', 107° 18'	29	1886	4.45 32 24	5.41 34 15	9.05 37 16	12.20 36 7	14.23 36 8	16.19 36 7	13.66 37 8	12.00 37 10	9.75 37 16	7.28 37 16	4.92 33 16	3.51 33 24	73.11 6	39.54 7	-	112.65 6	3/42	10/79
Capulin Nat'l Mon 36° 47', 103° 58'	29	1454					9.73 12 ****	10.90 14 ****	10.24 13 ****	9.41 12 ****	8.22 12 ****			-	-	48.50	-	-	5/63	9/79
Clovis 13 N 34° 36', 103° 13'	29	1963		4.07 14 23	6.94 24 26	9.10 28 12	10.56 28 16	11.83 28 14	11.56 28 17	9.87 28 15	8.09 29 22	6.19 29 15	4.43 27 23	3.73 12 24	56.39 12	-	-	-	4/51	11/79
Eagle Nest 36° 33', 105° 16'	29	2700					7.55 25 ****	8.25 32 ****	7.62 35 12	6.74 36 17	5.76 33 19			-	-	35.92	-	-	8/34	9/79
El Vado Dam 36° 36', 106° 44'	29	2837					8.06 32 15	9.36 38 10	8.89 39 12	7.38 39 18	6.29 39 25	4.68 22 ****	4.38 13 ****	44.66 ****	-	-	-	-	7/36	10/75
Elephant Butte Dam 33° 09', 107° 11'	29	2848	3.28 63 25	4.85 63 16	8.53 63 17	11.75 63 8	14.45 64 9	16.17 64 6	13.64 63 8	11.63 64 10	9.72 64 18	7.70 64 14	4.75 63 18	3.21 62 17	73.31 6	36.37 8		109.68 6	4/16	12/79
Estancia 34° 45', 106° 04'	29	3060					9.00 10 ****	8.97 12 ****	8.29 12 ****	7.40 11 ****	5.90 12 ****			-	-	39.56	-	-	5/66	9/79

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FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr							
														Oct ***	Apr ***											
NEW MEXICO (continued)																										
29	3134													-	-	51.64	-	3/49	9/79							
														7.33	8.37	10.42	10.01	8.89	6.62							
														12	17	19	18	18	18							
												****	9	11	9	13	10									
29	3225	3.84	4.79	8.02	10.93	13.07	14.86	11.91	10.29	8.63	6.80	4.45	4.07	65.56	36.10	-	101.66	10/38	9/79							
		21	35	35	38	36	36	37	38	38	38	34	28													
		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****								
29	4426	3.00	4.35	7.38	10.23	12.12	13.32	10.88	9.87	7.89	5.94	3.75	2.72	60.02	31.43	-	91.45	1/53	8/79							
		23	24	26	27	27	26	27	26	25	25	24	21	60.02	31.43	-	91.45	1/53	8/79							
		37	28	19	14	9	14	26	11	11	19	31	44	10	21	-	14									
29	4736	4.77	5.78	9.46	12.49	14.47	15.76	14.50	12.57	9.38	7.71	5.45	4.42	73.62	42.21	-	115.83	12/51	10/78							
		20	25	26	26	26	26	25	26	26	26	23	18	73.62	42.21	-	115.83	12/51	10/78							
		29	15	18	13	9	11	14	10	12	18	20	20	8	****	-	****									
29	5150													8.24	9.95	10.98	10.38	9.18	6.66	4.68	51.83	-	-	3/62	11/79	
														17	17	16	17	17	16	16						
														****	****	****	****	****	****	****	****					
29	6061													7.32	10.42	11.81	11.76	10.01	7.45	5.40	56.85	-	-	8/36	10/79	
														20	23	22	23	24	23	24						
														****	****	****	****	****	****	****	****					
29	7014	3.36	4.30	8.04	9.20	10.66	12.57	11.82	10.90	8.42	6.24	4.58	3.40	60.61	32.88	-	93.49	4/34	8/60							
		23	24	26	27	27	27	27	27	27	26	26	25	24	60.61	32.88	-	93.49	4/34	8/60						
		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****							
29	7609	2.79	4	6	8.25	10.61	11.01	9.60	8.67	6.58	3.84	2.93			48.31	-	-	2/40	1/51							
		10	9	9	10	10	10	10	10	10	10	10	10			48.31	-	-	2/40	1/51						
		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****								
29	8072	1.49	2.13	3.91	6.39	8.98	10.75	9.52	8.09	6.97	4.89	2.51	1.39	49.20	17.82	-	67.02	6/16	11/55							
		17	17	18	19	30	36	36	36	36	37	36	20	17	49.20	17.82	-	67.02	6/16	11/55						
		****	****	****	****	****	13	9	17	16	21	****	****	****	****	****	****	****								
29	8535	3.03	4.29	7.48	10.14	12.44	13.42	12.04	10.56	8.13	6.14	3.78	2.76	62.73	31.48	-	94.21	1/56	12/79							
		24	4	24	24	24	24	24	24	24	24	24	24	24	62.73	31.48	-	94.21	1/56	12/79						
		19	8	13	4	7	5	8	9	10	12	15	19	4	7	-	4									
29	9156													10.55	12.21	13.28	16.91	11.23	11.23	8.92	-	-	73.10	-	4/56	9/79
														21	22	22	22	22	22	22						
														****	****	****	****	****	****	****						

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Other	Annual	Record Began Mo/Yr	Latest Data Mo/Yr
														Oct	Apr	Season			
														***	***	***	***		
<u>NEW MEXICO</u> (continued)																			
29	9284			8.22	8	10.66	10.76	11.01	9.60	7.12	6.25	4.93		55.40	-	-	-	2/65	11/79
				10	9	11	14	14	15	14	14	10		****					
				****	****	****	****	****	****	****	****	****							
<u>NEW YORK</u>																			
30	0331					5.26	6.36	6.98	5.78	4.04	2.79			31.21	-	-	-	5/57	5/78
						22	21	21	21	21	20								
						13	8	13	11	13	20			8					
30	0785					5.23	5.92	6.47	5.36	3.40	2.69			29.07	-	-	-	5/50	10/73
						22	24	24	24	24	22								
						11	13	16	11	8	21			9					
30	1185					5.83	7.33	6.93	5.57	3.65	2.65			31.96	-	-	-	7/62	9/79
						14	16	17	17	17	13								
						****	****	****	****	****	****			****					
30	2169					4.66	5.09	5.51	4.88	3.32	2.15			25.61	-	-	-	5/59	10/79
						21	20	20	21	21	21								
						18	12	14	9	12	20			9					
30	3184				4	5.59	6.70	7.60	6.03	4.10	2.73			32.75	-	-	-	5/61	10/79
					8	16	16	15	15	15	14								
					****	****	****	****	****	****	****			****					
30	3464					5	5.50	6.18	5.20	3.95	3.30			29	-	-	-	6/59	10/79
						8	14	15	16	13	12								
						****	****	****	****	****	****			****					
30	4849				4	4.77	5.87	6.42	5.40	3.68	2.35			25.62	-	-	-	6/61	10/79
					7	18	19	19	19	19	18								
					****	****	12	14	9	12	****			****					
30	5377			3	4.82	6.31	7.19	8.00	6.73	5.32	3.74	2		37.29	-	-	-	4/56	10/67
				7	12	12	12	12	12	11	12	8							
				****	****	****	****	****	****	****	****	****		****					
30	5604					5.09	5.90	6.35	5.49	3.83	2.55			29.21	-	-	-	5/57	10/77
						21	21	21	21	21	21								
						15	9	12	10	13	16			7					
30	5801				4.11	5.06	6.02	7.86	5.88	4	3.01	2		32	-	-	-	4/44	10/58
					7	15	14	14	14	9	15	6							
					****	****	****	****	****	****	****	****		****					

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** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

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FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<u>NEW YORK (continued)</u>																			
	Voorheesville 42° 39', 73° 54'					5.05 24 ****	5.57 24 ****	6.16 24 ****	5.20 25 ****	3.52 25 ****	2.30 25 ****			27.80 ****	-	-	-	8/17	10/41
<u>NORTH CAROLINA</u>																			
	Cataloochee 35° 37', 83° 06'				3.58 10 ****	3.86 12 ****	4.08 12 ****	4.14 13 ****	3.94 13 ****	2.88 12 ****	2.39 11 ****			21.39 ****	-	-	-	4/66	10/79
	Chapel Hill 2 W (Chapel Hill) 35° 55', 79° 06'	1.55 25 ****	1.84 26 ****	3.58 49 23	4.85 56 12	5.60 57 11	6.14 58 9	6.20 58 13	5.64 57 12	4.48 58 17	3.15 57 17	1.99 54 13	1.43 30 ****	31.21 7	15.24 ****	-	46.45 ****	4/21	10/79
	Lumberton 6 NW 34° 42', 79° 04'	2.52 10 ****	2.78 13 ****	4.83 15 ****	6.65 16 ****	7.23 17 ****	7.42 17 ****	7.63 17 ****	6.86 17 ****	5.23 18 ****	4.24 18 ****	2.77 18 ****	1.96 12 ****	38.61 ****	21.51 ****	-	60.12 ****	1/62	11/79
	Maysville, (Hoffman Forest) 34° 50', 77° 18'	1.81 20 12	2.57 25 11	3.97 30 13	5.65 30 6	6.55 30 8	6.54 29 9	6.88 29 8	6.16 29 12	4.54 30 10	3.35 30 11	2.24 30 10	1.58 25 19	34.02 5	17.82 3	-	51.84 ****	1/50	12/79
	Murphy 35° 04', 84° 00'	1.09 35 30	1.46 38 20	2.90 41 19	4.19 42 14	5.16 42 11	5.57 41 10	5.07 42 9	5.05 41 10	3.87 41 12	2.77 41 17	1.60 40 15	1.02 36 26	27.49 6	12.26 12	-	39.75 5	12/34	7/76
	W. Kerr Scott Reservoir 36° 08', 81° 14'				5 9 ****	5.42 15 ****	5.91 15 ****	5.91 15 ****	5.53 15 ****	4.19 15 ****	3.21 13 ****	2 5 ****	30.17 ****	-	-	-	-	5/65	10/79
<u>NORTH DAKOTA</u>																			
	Carington 4 N 47° 31', 99° 07'					8.15 10 ****	8.46 13 ****	8.70 13 ****	8.20 12 ****	6.15 13 ****	4 6 ****			43 ****	-	-	-	5/67	9/79
	Devils Lake KDLR (or WB city) 48° 07', 98° 52'				3.57 13 ****	6.08 16 17	6.00 19 19	6.94 18 11	6.17 18 15	3.96 19 22	3 5 ****			32 ****	-	-	-	5/51	10/70
	Edgeley Exp Farm 46° 20', 98° 42'				4.35 12 ****	6.66 19 13	6.98 19 16	7.78 19 8	7.55 18 16	3.88 17 13				-	-	37.20	-	9/50	7/69

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FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Other	Annual	Record Began	Latest Data																				
															Oct	Apr	Season																							
																					***	***	***	***	Mo/Yr	Mo/Yr														
<u>NORTH DAKOTA (continued)</u>																																								
Fargo WSO AP 46° 54', 96° 48'	32	2859					7.25 14 ****	7.73 16 ****	8.87 15 ****	7.76 16 ****	5.36 15 ****	4 9 ****			41 ****	-	-	-	4/63	9/79																				
Riverdale 47° 30', 101° 21'	32	7585				6 7 ****	7.31 28 ****	7.81 30 ****	9.09 31 ****	8.69 31 ****	6.03 30 ****	4.15 15 ****			43.08 ****	-	-	-	7/49	9/79																				
Williston 48° 08', 103° 45'	32	9430					7.02 22 ****	7.89 23 ****	9.34 23 ****	9.07 23 ****	5.68 23 ****	4 5 ****			43 ****	-	-	-	8/56	9/79																				
<u>OHIO</u>																																								
Charles Mill Lake (or Dam) 40° 44', 82° 22'	33	1466				3.59 39 19	4.98 41 16	5.90 41 9	6.21 41 10	5.48 41 8	4.01 41 12	2.65 41 17			29.23 7	-	-	-	4/39	10/79																				
Columbus University Farm 40° 00', 83° 03'	33	1782				5 8 ****	5.69 13 15	6.83 14 11	7.27 13 15	6.23 14 11	4.76 13 34	3.29 12 27			34.07 11	-	-	-	4/58	10/70																				
Columbus (Ohio State Univ) 40° 00', 83° 00'	33	1788				3.33 35 ****	4.45 36 ****	5.29 37 ****	5.66 38 ****	4.79 38 ****	3.53 37 ****	2.14 38 ****			25.86 ****	-	-	-	6/18	11/55																				
Coshocton Agric Rsch Station 40° 22', 81° 48'	33	1905				4.99 13 ****	6.01 23 ****	6.71 24 ****	7.05 23 ****	6.21 24 ****	4.72 21 ****	3.59 20 ****			34.29 ****	-	-	-	4/56	9/79																				
Dayton 39° 45', 84° 10'	33	2067				4.04 32 18	5.65 31 15	6.77 32 7	7.06 32 11	6.20 32 10	4.63 32 9	2.86 32 16			33.17 6	-	-	-	4/37	10/69																				
Deer Creek 39° 30', 83° 13'	33	2090				5 7 ****	6 9 ****	7 9 ****	6.63 10 ****	6 9 ****	3.67 10 ****	3 10 ****			32 ****	-	-	-	6/70	11/79																				
Senecaville Lake (or Dam) 39° 55', 81° 26'	33	7559				4.35 34 20	5.52 38 14	6.32 38 10	6.35 38 24	5.73 39 7	4.30 39 15	2.99 37 38			31.21 8	-	-	-	4/39	10/79																				
Tom Jenkins Lake 39° 33', 82° 04'	33	8378				4 9 ****	5.08 26 12	5.39 26 9	5.45 27 11	4.72 27 10	3.61 27 11	2.52 26 15	1 7 ****		26.77 6	-	-	-	7/53	11/79																				

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct ***	Nov- Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<u>OHIO (continued)</u>																				
Wooster Exp Station 40° 47', 81° 36'	33	9312				4.03 36 19	5.23 48 17	6.31 48 10	6.80 49 12	5.81 49 10	4.35 51 12	2.71 50 21			31.21 8	-	-	-	7/16	10/79
<u>OKLAHOMA</u>																				
Altus Dam 34° 53', 99° 18'	34	0184	3.89 12 ****	5.73 24 ****	8.23 30 21	9.71 28 10	11.43 31 18	12.29 30 15	11.48 30 11	8.14 26 ****	6.47 24 ****	4.65 14 ****	4 9 ****	59.52	-	-	-	3/48	10/79	
Atoka Dam 34° 27', 96° 04'	34	0394				7.75 12 ****	7.60 16 ****	8.78 17 ****	10.53 17 ****	9.82 17 ****	6.98 16 ****	5.67 16 ****	3.92 15 ****		49.38	-	-	-	6/63	11/79
Broken Arrow Dam 34° 08', 94° 42'	34	1168		3 9 ****	4.79 13 ****	6.15 15 ****	7.12 15 ****	8.12 15 ****	8.92 14 ****	8.40 15 ****	5.91 16 ****	4.66 15 ****	2.95 13 ****	2.01 11 ****	43.13	-	-	-	9/64	10/79
Canton Dam 36° 05', 98° 36'	34	1445	3 6 ****	4.00 10 ****	6.71 22 31	7.96 29 15	8.40 32 19	9.98 32 13	11.53 31 18	10.93 31 21	8.23 31 33	6.06 30 23	4.03 23 20	2.48 12 30	55.13 17	27.75 ****	-	82.88 ****	3/48	7/79
Chickasha Exp Station 35° 03', 97° 55'	34	1750					9.38 21 18	11.27 25 13	11.79 26 16	10.33 26 14	7.45 26 19	5.56 26 16	4 6 13		55.78 9	-	-	-	6/53	10/79
Fort Gibson Dam 35° 52', 95° 14'	34	3286	2.00 21 23	2.87 26 16	4.73 30 26	6.43 32 14	7.14 32 15	8.60 32 7	9.25 32 11	8.77 31 13	6.51 31 19	5.06 31 15	3.26 30 16	2.23 24 15	44.27 8	21.52 11	-	65.79 8	3/48	7/79
Fort Supply Dam 36° 33', 99° 35'	34	3304	3 6 ****	6 8 ****	6.87 18 34	9.26 31 17	9.92 39 13	11.99 39 13	12.77 40 28	11.87 40 15	9.01 40 24	6.58 39 25	4.36 23 22	2.72 11 ****	62.14 12	32 ****	-	94 ****	7/40	12/79
Goodwell Research Station 36° 31', 101° 37'	34	3628				10 9 ****	11.51 24 20	13.33 29 16	14.46 31 15	12.07 31 14	9.42 30 20	7.33 20 25			68.12 ****	-	-	-	4/48	9/79
Grand River Dam 36° 28', 95° 03'	34	3700			5.21 12 ****	6.98 25 18	7.33 30 13	8.94 34 13	9.63 35 22	9.22 36 22	6.84 35 29	5.05 36 17	3.29 16 ****	2.00 10 ****	47.01 ****	-	-	-	4/41	11/77
Great Salt Plains Dam 36° 45', 98° 08'	34	3740			6.26 12 ****	7.38 24 ****	9.06 29 16	11.52 29 18	13.05 30 20	11.80 30 14	8.45 31 20	6.42 30 22	3.93 14 ****		67.68 ****	-	-	-	3/48	10/79

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	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Other	Annual	Record Began Mo/Yr	Latest Data Mo/Yr
															Oct	Apr	Season			
			***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***		
OKLAHOMA (continued)																				
Heyburn Dam 35° 57', 96° 17'	34	4098			5.13 11 ****	6.90 12 ****	6.57 13 ****	8.05 13 ****	8.94 14 ****	8.26 14 ****	6.57 14 ****	4.86 14 ****	2.99 11 ****	2 6 ****	43.25	-	-	-	4/49	11/64
Keystone Dam 36° 09', 96° 15'	34	4812			5 9 ****	6.73 18 ****	6.83 17 ****	8.77 20 ****	9.77 19 ****	8.89 20 ****	6.16 21 ****	5.04 19 ****	3.27 13 ****		45.46	-	-	-	9/59	10/79
Lake Overholser 35° 29', 97° 40'	34	4978				6.15 20 17	7.60 23 23	8.60 24 15	9.45 25 15	8.71 26 17	6.44 25 24	4.67 23 16			45.47	-	-	-	4/52	8/79
Norman University 35° 13', 97° 26'	34	6391			5.19 12 ****	5.90 18 ****	6.57 18 ****	9.03 19 ****	9.15 18 ****	8.70 18 ****	6.81 19 ****	4.72 18 ****	2.69 13 ****		44.98	-	-	-	5/37	6/56
Oologah Dam 36° 26', 95° 41'	34	6729		3 8 ****	5.52 15 33	7.06 22 29	8.22 22 17	9.04 23 15	11.57 22 14	10.30 24 16	7.00 23 14	5.52 23 20	3.26 19 26	2 8 ****	51.65	-	-	-	8/56	8/79
Stillwater 2 W 36° 07', 97° 05'	34	8501				7.78 14 ****	8.13 24 18	9.80 27 12	11.20 29 21	10.00 28 17	7.68 27 12	5.93 27 16	4 7 ****		52.74	-	-	-	6/48	10/79
Tenkiller Ferry Dam 35° 36', 95° 03'	34	8769			4.72 22 27	5.92 30 13	6.51 30 11	7.64 31 8	8.79 30 10	8.33 30 16	6.04 30 21	4.51 29 21	2.91 26 19	1.68 15 ****	41.82	-	-	-	4/49	6/79
Tipton 4 S 34° 26', 99° 08'	34	8879	3 7 ****	4.14 10 ****	6.55 28 31	8.56 39 19	10.01 39 19	12.35 40 12	13.12 41 17	11.80 41 12	8.84 40 20	6.50 38 22	3.94 29 26	3.33 13 40	62.62	29.46	-	92.08	7/38	10/78
Wister Dam 34° 56', 94° 43'	34	9724	2.52 11 ****	2.65 19 ****	4.73 25 ****	5.89 26 14	6.38 28 12	7.78 28 13	8.46 27 9	7.67 27 13	5.79 26 15	4.35 26 18	2.93 26 18	2.27 16 ****	40.43	20.99	-	61.42	1/48	6/79
Woodward Field Station 36° 25', 99° 24'	34	9762				6.75 30 18	7.78 31 18	9.40 31 14	10.74 31 14	9.63 31 14	7.09 31 25				-	-	51.39	-	4/48	6/79
OREGON																				
Astor Exp Station 46° 09', 123° 49'	35	0318	1 6 ****	1.05 11 ****	1.64 11 ****	2.34 10 ****	3.92 11 ****	4.10 11 ****	4.75 11 ****	4.32 11 ****	3.11 11 ****	1.76 11 ****	1 9 ****	1 9 ****	21.96	8	-	30	1/49	10/73

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			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec						
OREGON (continued)																				
Corvallis State College 44° 38', 123° 12'	35	1862				3.10 57 18	4.51 57 19	5.50 59 17	7.34 59 11	6.55 59 14	4.36 26 15	2.11 26 28			30.37	-	-	-	10/17	11/79
Cottage Grove Dam 43° 43', 123° 03'	35	1902			2.23 14 ****	3.08 15 ****	4.85 30 20	5.82 35 14	7.98 35 12	6.86 35 14	4.59 34 15	2.22 27 9		32.22	-	-	-	8/43	8/78	
Detroit Dam 44° 43', 122° 15'	35	2292			1.95 10 ****	2.70 16 ****	4.67 24 23	6.20 24 19	8.26 24 15	6.79 24 20	4.44 24 20	2.20 10 14	1.80 10 ****	32.56	-	-	-	1/56	10/79	
Dorena Dam 43° 47', 122° 58'	35	2374				2.68 15 ****	3.56 27 15	5.54 29 17	7.06 29 12	7.72 29 14	6.08 28 16	3.88 22 14	2.20 10 ****	33.84	-	-	-	5/50	8/78	
Fern Ridge Dam 44° 07', 123° 18'	35	2867	0.36 11 ****	0.90 18 ****	2.02 23 36	3.13 28 18	5.10 36 19	6.18 36 15	8.29 36 10	7.07 36 15	4.81 28 17	2.12 18 18	1.14 16 ****	0.37 10 ****	33.57	7.92 11 ****	-	41.49 ****	8/43	11/79
Lookout Point Dam 43° 55', 122° 46'	35	5050			2.81 11 ****	3.48 14 ****	5.04 24 23	6.25 24 16	8.07 24 13	7.27 24 17	4.87 24 21	2.59 24 16		34.09	-	-	-	5/56	10/79	
Malheur Branch Exp Station 43° 39', 117° 01'	35	5160				5.18 26 18	7.03 31 21	8.42 31 18	10.79 31 14	8.99 31 16	5.58 31 14	2.52 31 24		43.33	-	-	-	4/49	10/79	
Malheur Refuge Headquarters 43° 17', 118° 50'	35	5162						8.77 14 14	10.81 13 ****	9.53 14 10	6.39 11 ****			-	-	35.50	-	5/61	9/79	
Medford Exp Station 41° 18', 122° 52'	35	5424	0.63 15 32	1.07 32 23	2.36 32 17	3.77 42 17	5.62 42 11	6.91 42 13	8.71 42 9	7.22 42 8	4.54 43 6	1.98 43 22	0.78 34 30	0.56 26 ****	34.98	9.17 5 ****	-	44.15 ****	9/37	10/79
Moro 45° 29', 120° 43'	35	5734				5.20 22 18	7.69 22 17	9.93 22 7	12.67 22 8	11.26 22 16	6.93 22 13	3.60 21 18		52.08	-	-	-	4/57	10/79	
N. Willamette Exp Station 45° 17', 122° 45'	35	6151	1 5 ****	1.44 10 ****	2.65 12 ****	3.49 15 ****	5.75 16 ****	6.68 15 ****	8.16 16 ****	7.19 16 ****	5.07 16 ****	2.63 16 ****	1.14 10 ****	1 7 ****	35.48	11 ****	-	46 ****	2/63	11/79

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	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct ***	Nov- Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<u>OREGON (continued)</u>																				
Felton Dam 44° 44', 121° 14'	35	6532				4.71	6.79	8.41	10.21	8.31	5.39	2.59			41.70	-	-	-	6/57	5/74
						16	16	16	16	15	16	15								
						14	12	11	8	11	8	13			4					
Summer Lake 1 S 42° 54', 120° 49'	35	8173					7.49	8.87	11.21	9.71	6.58	3.48			47.34	-	-	-	5/61	10/79
							19	19	19	19	19	19								
							15	12	10	12	8	15			7					
Warm Springs Reservoir 43° 34', 118° 12'	35	9046				5.23	7.63	8.94	12.15	10.66	6.82	3.69			49.89	-	-	-	5/27	9/74
						29	47	48	47	48	47	16								
						****	17	14	9	12	12	****			****					
Wickiup Dam 43° 41', 121° 41'	35	9316				4	5.66	6.79	8.54	7.05	4.88	2.55			35.47	-	-	-	5/41	10/79
						5	39	39	39	39	39	18								
						****	12	12	10	13	10	****			****					
<u>PENNSYLVANIA</u>																				
Bellefonte 4 S 40° 51', 77° 47'	36	530					7	7.15	7.55	6.28	4.84	3			36	-	-	-	6/56	9/73
							9	10	11	12	11	5								
							****	8	11	11	11	****			****					
Confluence 39° 48', 79° 22'	36	1705				3.74	4.80	5.43	5.53	4.63	3.47	1.37			25.23	-	-	-	4/49	9/79
						30	31	31	31	31	30	26								
						12	13	8	12	9	12	13			6					
Ford City 4 S Dam 40° 43', 79° 30'	36	2942					4.89	5.32	5.85	4.90	3.56	2.29			26.81	-	-	-	5/49	10/79
							30	31	31	31	31	30								
							13	9	13	9	14	13			6					
Francis E. Walter 41° 07', 75° 44'	36	3018					5.58	5.85	6.37	5.30	3.84				-	-	26.94	-	5/63	9/79
							16	17	17	17	17									
							****	****	****	****	****									
Jamestown 2 NW 41° 30', 80° 28'	36	4325				4.29	4.58	5.58	4.70	3.17	2.34				-	-	24.66	-	5/42	9/79
						23	37	37	37	39	18									
						14	8	11	12	10	24									
Landsville 2 NW 40° 07', 76° 26'	36	4778					5.74	6.61	7.17	5.91	4.31	2.89			32.63	-	-	-	5/52	10/79
							19	25	27	28	28	20								
							14	8	11	12	10	24			5					

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*** Sum of monthly means.

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FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Other	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr	
														Oct ***	Apr ***	Season ***				
<u>RHODE ISLAND</u>																				
Kingston 41° 29', 71° 32'	37 4266					4.91	5.33	5.67	4.95	3.73	2.84			27.43	-	-	-	4/57	10/79	
						21	23	23	23	23	22									
						11	11	16	8	11	17				6					
<u>SOUTH CAROLINA</u>																				
Blackville 33° 22', 81° 19'	38 764	2.37	2.80	4.44	6.02	6.53	7.00	7.09	6.18	4.74	4.03	2.75	2.25	35.57	20.63	-	56.20	10/63	12/79	
		12	13	16	16	16	16	15	15	16	17	17	15	****	****		****			
		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****		
Charleston City 32° 54', 80° 02'	38 1544	2.58	3.22	5.27	6.54	7.20	7.24	7.54	6.59	5.38	4.58	3.22	2.45	38.53	23.28	-	61.81	2/59	12/79	
		17	19	21	21	21	21	21	19	20	21	21	17							
		30	12	18	7	11	9	10	6	9	12	12	21	4	8		5			
Clark Hill Dam 33° 40', 82° 11'	38 1726	1.90	2.37	3.79	5.36	6.30	7.08	6.97	6.53	5.04	3.83	2.48	1.87	35.75	17.77	-	53.52	8/52	11/79	
		22	24	27	27	26	27	27	26	26	26	26	21							
		20	13	14	12	11	9	7	15	9	10	15	16	5	8		5			
Clemson University 34° 41', 82° 49'	38 1770	1.92	2.51	4.07	5.54	6.24	6.69	6.86	6.31	4.77	3.66	2.54	1.78	34.53	18.36	-	52.89	1/49	11/79	
		25	25	30	31	31	31	31	30	29	30	29	24							
		17	13	13	9	12	8	8	9	6	12	14	13	4	5		3			
Rainbow Lake 35° 07', 81° 58'	38 7113				5.22	5.83	6.48	6.67	6.13	4.59	3.39			38.31		-	-	5/65	10/77	
					12	13	13	13	13	13	13	13			****					
					****	****	****	****	****	****	****	****			****					
Union 7 SW 34° 39', 81° 45'	38 8786	1.68	2.17	3.58	5.25	6.28	6.62	6.94	6.40	4.71	3.42	2.07	1.50	34.37	16.25	-	50.62	7/49	12/55	
		13	15	15	15	14	14	15	15	15	15	15	13							
		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****		
<u>SOUTH DAKOTA</u>																				
Angostura Dam 43° 21', 103° 26'	39 217					7.38	8.52	10.35	9.80	6.94	4.59			47.58	-	-	-	4/49	9/70	
						21	22	21	22	22	19									
						10	17	13	10	13	21				7					
Brookings 44° 19', 96° 46'	39 1076					7.86	8.56	9.34	8.73	6.15				-	-	40.64	-	4/53	9/79	
						25	26	26	25	26										
						9	11	11	8	15										
Cottonwood 43° 58', 101° 52'	39 1972				6.25	7.55	8.84	10.73	10.37	8.06	5.34			57.14	-	-	-	5/53	10/79	
					15	23	25	24	25	23	15									
					16	13	22	12	18	32	****				****					

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	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct ***	Nov- Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<u>SOUTH DAKOTA (continued)</u>																				
	39	5090				5.17	7.86	9.14	9.52	8.23	5.55	3.96			44.26	-	-	-	6/62	10/79
						14	18	16	17	18	18	16			****					
						****	****	****	****	****	****	****								
	39	6054				5.12	7.04	7.86	10.06	9.75	6.48	5.06			46.25	-	-	-	4/49	10/75
						22	25	25	25	25	25	13								
						22	15	24	14	14	17	****			****					
	39	6170				5.57	8.79	9.06	11.05	10.31	7.37	5.04			51.62	-	-	-	9/60	10/79
						16	16	19	19	19	20	15								
						****	****	14	12	14	16	****			****					
	39	6427					4.35	5.83	6.49	5.43	4.23	2.72			29.05	-	-	-	4/55	9/79
							22	23	24	24	23	13								
							15	22	13	13	18	27			9					
	39	6574				5.22	7.45	8.34	10.38	9.12	6.00	4.31			45.60	-	-	-	9/50	10/79
						11	26	26	26	26	29	23								
						****	15	17	10	8	18	29			8					
52	39	7052					7.35	7.56	9.28	8.19	5.96	3.69			42.03	-	-	-	6/49	4/78
							25	28	29	29	28	10								
							16	17	15	10	17	****			****					
	39	7567				5.19	7.48	8.20	9.96	9.42	6.51	4.30			45.87	-	-	-	8/50	10/76
						16	22	23	25	24	26	25								
						18	16	15	15	13	18	26			9					
	39	7667					8.01	9.10	11.61	8.74	5.96				-	-	43.42	-	5/65	9/79
							15	15	15	15	14									
							****	****	****	****	****									
<u>TENNESSEE</u>																				
	40	1569	2.00	2.39	3.80	5.13	6.27	7.07	7.26	6.73	5.57	3.69	2.27		36.59	-	-	-	1/49	11/62
			10	11	13	21	22	22	22	22	22	22	22							
			****	****	****	12	10	9	9	12	15	15	11		7					
	40	4561				5.94	7.16	7.83	7.84	6.96	5.30	4.33			39.42	-	-	-	5/61	10/79
						19	19	18	18	18	18	14								
						****	10	****	****	****	****	****			****					
	40	4609	1.07	1.49	3.00	4.34	5.22	5.82	6.02	5.32	4.11	2.74	1.53	1.04	29.23	12.47	-	41.70	12/41	12/79
			27	28	37	38	38	38	38	38	38	38	36	29						
			20	32	21	10	13	9	12	9	12	21	13	61	5	12		5		

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															Oct ***	Apr ***				
<u>TENNESSEE (continued)</u>																				
Knoxville 35° 53', 83° 57'	40	4946				5.38 12 ****	5.93 13 ****	6.60 12 ****	6.82 13 ****	6.31 13 ****	4.36 14 ****				-	-	35.40	-	5/66	10/79
Neptune 3 S 36° 19', 87° 11'	40	6454		2.11 21 ****	3.26 29 ****	4.69 32 ****	5.57 34 ****	6.36 34 ****	6.66 34 ****	5.92 34 ****	3.41 34 ****	3.27 34 ****	2.04 30 ****	1.42 22 ****	31.19 5	-	-	-	10/36	11/48
Paris 5 E 36° 19', 88° 41'	40	6977	1.36 15 35	1.82 16 25	3.13 17 39	4.59 17 7	5.33 17 8	6.14 17 12	6.55 17 15	6.19 17 14	5.00 17 28	3.33 17 14	2.08 17 14	1.26 16 18	32.74 10	14.24 11	-	46.98 9	1/49	11/65
Selmer 35° 10', 88° 37'	40	8160				4.92 10 ****	5.44 10 ****	5.99 10 ****	5.98 10 ****	4 9 ****	3.97 10 ****				31 ****	-	-	-	9/62	7/72
<u>TEXAS</u>																				
Austin 30° 18', 97° 42'	41	428	2.90 58 22	3.62 62 15	5.43 63 19	6.30 63 13	7.29 63 17	8.79 64 14	9.84 63 11	9.76 62 14	7.11 63 18	5.69 64 15	3.67 62 23	2.81 62 16	49.09 12	24.73 10	-	73.82 11	4/16	12/79
Balmorhea 30° 59', 103° 45'	41	498	2.86 16 ****	3.81 16 ****	6.55 16 ****	8.26 16 ****	9.04 16 ****	10.16 16 ****	9.77 16 ****	9.03 16 ****	6.93 16 ****	5.23 16 ****	3.73 15 ****	2.87 15 ****	50.16 ****	28.08 ****	-	78.24 ****	2/40	12/55
Beeville 28° 27', 97° 42'	41	639	3.36 29 21	3.66 30 19	5.13 30 23	5.93 31 16	6.84 31 19	7.75 31 14	8.47 30 18	8.18 31 15	6.30 31 12	5.43 31 13	4.17 31 17	3.57 31 12	42.97 9	25.82 12	-	68.79 10	1/49	12/79
Belton Dam 31° 06', 97° 29'	41	665	2.86 21 24	3.68 24 17	5.70 26 21	6.40 26 18	7.46 26 21	9.35 26 16	10.84 27 14	10.25 26 15	7.61 27 18	5.60 27 19	3.52 27 19	2.84 24 20	51.11 12	25.00 12	-	76.11 12	7/53	12/79
Benbrook Dam 32° 39', 97° 27'	41	691	2.82 20 24	4.03 24 19	6.56 26 25	7.50 26 16	8.63 26 21	10.73 26 14	12.56 27 16	11.53 27 16	8.56 27 22	6.55 27 18	4.09 27 17	3.17 23 21	58.56 13	28.17 10	-	86.73 6	7/53	11/79
Daingerfield 9 S 32° 55', 94° 43'	41	2225	2.61 17 17	3.35 19 11	5.60 20 17	6.99 20 11	8.38 20 11	9.33 20 13	10.14 21 13	9.74 20 13	7.07 20 10	5.58 21 12	3.56 21 15	2.82 21 19	50.24 6	24.93 5	-	75.17 4	7/59	12/79
Danison Dam 33° 49', 96° 34'	41	2394	2.71 29 32	3.53 36 21	5.86 38 27	7.15 39 19	7.88 39 14	9.90 39 15	10.88 39 18	10.26 39 19	7.22 39 25	5.63 39 19	3.92 36 19	2.61 33 21	51.77 14	25.78 ****	-	77.55 ****	10/40	12/79

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														Oct ***	Apr ***				
TEXAS (continued)																			
41	2458	2.93	3.74	6.26	7.64	8.73	10.09	10.81	10.19	7.42	5.54	3.65	2.72	52.78	26.94	-	79.72	6/28	12/79
		49	51	51	51	51	51	51	51	50	50	50	49						
		21	23	19	17	19	15	11	11	18	22	24	23	10	14		11		
41	3280	4.03	5.14	9.26	10.88	12.28	14.27	13.77	12.47	9.22	7.20	5.04	4.21	69.21	38.56	-	107.77	5/40	3/61
		20	19	13	20	20	19	20	20	18	17	18	17						
		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****	
41	3680	3.39	5.02	9.19	11.41	13	14	14	13	9	7.13	4.73	3	37	70	-	107	2/40	7/54
		10	11	11	11	9	9	9	8	9	10	10	9						
		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****	
41	3691	3.17	3.97	6.56	7.51	8.70	10.65	12.29	11.42	8.31	6.48	4.17	3.24	57.85	28.62	-	86.47	8/53	11/79
		18	23	25	26	26	24	26	27	27	27	27	23						
		25	13	24	16	16	13	17	16	20	18	18	20	13	13		11		
41	4278	4.12	5.18	8.10	9.60	10.24	12.19	13.51	12.27	9.23	7.32	4.87	4.10	64.76	35.97	-	100.73	7/53	10/79
		17	22	26	26	26	27	27	27	27	26	25	23						
		27	24	25	13	18	14	15	11	19	16	20	23	10	11		8		
41	5094	2.83	4.03	6.25	7.35	7.23	10.28	11.54	10.58	8.05	6.33	4.13	3.05	54.01	27.64	-	81.65	7/53	10/79
		18	23	25	26	26	26	27	27	27	27	25	20						
		28	16	25	15	14	9	16	15	18	14	19	21	11	12		11		
41	5561	2.71	3.44	5.20	6.32	7.16	8.56	10.66	10.26	7.40	5.45	3.65	2.90	49.49	24.22	-	73.71	1/49	6/64
		15	14	15	14	15	20	14	18	18	14	18	14						
		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****	
41	5721	4.18	5.07	8.01	8.86	9.18	10.43	11.97	11.69	8.94	7.37	5.70	4.53	59.58	36.35	-	95.93	1/63	12/79
		17	17	17	16	17	17	17	17	17	17	17	16	17					
		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****	
41	6104	3.96	4.43	6.89	8.15	8.60	8.74	6.98	6.61	5.80	5.33	3.96	4	42.06	31	-	73	8/68	12/79
		11	10	10	11	11	11	10	11	11	11	12	10	7					
		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****	
41	6210	3	4.09	6.42	7.33	8.31	10.06	11.68	10.77	7.69	6.42	4.17	3.09	54.93	28	-	83	3/63	11/79
		9	14	16	17	16	17	17	16	16	17	17	13						
		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****	
41	7140	3.08	3.85	5.53	6.51	8.53	9.92	10.76	9.88	7.46	6.46	4.37	3.40	53.01	26.74	-	79.75	11/57	12/79
		18	21	22	22	22	22	22	22	22	22	22	23						
		17	11	10	12	11	10	10	15	10	10	12	13	6	5		5		

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														Oct	Apr	Season					
														***	***	***	***				
TEXAS (continued)																					
Proctor Res 31° 58', 98° 30'	41	7300	3.87	6.00	7.47	8.66	9.18	11.37	12.90	11.26	7.82	6.49	4.42	3.67	59.02	34.09	-	93.11	6/63	10/79	
			12	10	15	16	16	17	17	17	17	17	17	14	13						
			****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****	
Red Bluff Dam 31° 54', 100° 29'	41	7481	3.80	5.17	8.63	11.47	13.63	14.58	14.01	12.54	9.50	6.59	4.49	3.62	70.85	37.18	-	108.03	11/39	10/79	
			32	36	37	35	34	34	34	35	33	35	35	32							
			29	15	19	10	11	9	12	13	12	15	20	23	7	10			7		
Rio Grande City 3 W 26° 23', 98° 52'	41	7622	3.22	4.34	6.58	8.14	8.56	10.08	11.31	11.11	7.76	6.07	4.03	3.09	53.22	29.40	-	82.62	7/62	12/79	
			17	17	17	16	17	16	18	17	17	17	17	18	17						
			****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****	
Sam Rayburn Dam 31° 04', 94° 06'	41	7936	3	4	5.21	6.27	7.31	8.09	8.32	7.78	6.06	5.35	3.92	3	42.91	25	-	68	1/68	11/79	
			8	9	12	12	12	12	12	12	12	12	12	12	9						
			****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****	
Sommerville Dam 30° 20', 96° 32'	41	8446	2.74	3.56	5.36	6.09	7.18	8.88	9.98	8.99	6.57	5.49	3.83	2.73	47.09	24.31	-	71.40	1/65	12/79	
			12	13	15	14	15	14	15	15	15	15	15	15	13						
			****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****	
Spur 1 WNW 33° 29', 100° 53'	41	8566	2.67	3.39	5.76	7.13	8.12	9.40	9.84	8.97	6.80	5.20	3.58	2.68	48.33	25.21	-	73.54	1/22	3/64	
			33	37	37	36	36	36	35	35	35	36	36	35	32						
			****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****	
Stillhouse Hollow Dam 31° 02', 97° 32'	41	8646	3.18	4.08	5.95	6.98	7.57	9.71	11.32	10.17	7.08	5.97	4.07	3.00	51.82	27.26	-	79.08	1/58	12/79	
			11	12	15	15	15	15	15	15	15	15	15	14	13						
			****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****	
Thompson's 3 WSW 29° 29', 95° 38'	41	9014	2.87	3.74	4.89	5.79	7.26	7.80	7.76	7.26	5.92	5.25	4.24	2.96	41.25	24.49	-	65.74	7/57	12/79	
			16	22	22	22	22	22	23	23	23	23	23	21	22						
			19	12	11	9	11	12	9	11	11	9	13	12	44	5	5		5		
Waco Dam 31° 26', 97° 13'	41	9417	3	4.28	6.43	7.30	8.02	10.40	12.09	11.08	8.03	6.52	4.46	3.35	56.14	29	-	85	3/65	11/79	
			7	12	13	15	15	15	15	15	15	15	15	14	11						
			****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****		****	
Weslaco 2 E 26° 09', 97° 58'	41	9588	3.41	3.99	6.06	7.51	8.42	9.18	10.35	9.54	7.55	6.00	4.34	3.33	51.04	28.64	-	79.68	1/49	12/79	
			30	30	30	29	30	30	30	30	30	29	29	27	28						
			19	18	17	14	10	7	10	12	14	18	16	20	8	10			8		
Whitney Dam 31° 51', 97° 22'	41	9715	2.95	3.88	6.05	7.20	8.46	10.65	12.39	11.38	8.33	6.24	4.02	3.12	57.45	27.22	-	84.67	7/53	12/75	
			21	24	26	26	26	26	27	27	27	27	27	27	25						
			30	20	25	15	20	13	15	12	17	16	16	21	10	13			10		

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only where there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct ***	Nov-Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr	
TEXAS (continued)																				
41	9842	2.81	3.68	5.67	7.30	10	12	12.67	12	8.22	5.92	3.79	2.83	61	26.08	-	87	3/49	3/64	
		11	12	12	10	9	9	10	9	10	11	10	9	9	9	9	9	9	9	9
		****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
41	9996	3.57	5.04	8.43	11.40	13.49	14.79	13.04	11.13	9.09	6.68	4.36	3.32	68.22	36.12	-	104.34	2/39	12/79	
		40	41	41	41	41	41	41	41	41	41	41	39	40	6	6	-	4	4	4
		17	9	16	5	6	5	9	27	9	12	14	12	6	6	6	6	6	6	6
UTAH																				
42	2852					11.48	13.34	16.00	13.75	10.10	6			71	-	-	-	1/62	9/79	
						10	13	13	12	13	6									
						****	****	****	****	****	****	****			****					
42	2864						5.89	10.07	8.52	5.92				-	-	30.40	-	5/58	9/79	
							20	21	20	18										
							20	9	10	18										
42	3418				6.31	7.94	8.59	9.18	7.90	5.88	3.71			43.20	-	-	-	4/56	10/79	
					16	20	23	21	22	23	17									
					****	17	16	12	14	16	20			9						
42	3514					7.40	8.53	9.91	8.45	6.09	4			44	-	-	-	5/62	9/79	
						12	15	15	16	16	9									
						****	****	****	****	****	****	****			****					
42	5190				4.27	6.21	7.24	8.61	7.62	5.14	3.05			37.87	-	-	-	9/50	8/78	
					14	27	28	28	28	27	25									
					****	15	12	7	8	12	13			5						
42	5733				7.64	10.46	12.06	12.91	10.90	7.69	20.00			74.02	-	-	-	3/58	10/79	
					19	22	20	21	22	22	20									
					13	9	14	12	10	11	20			8						
42	5582				8.80	12.02	14.35	14.65	12.04	9.10	5.71	2		67.87	-	-	-	11/57	10/79	
					19	20	19	19	20	20	17	5								
					12	11	15	14	34	34	13	****			17					
42	5815						8.09	6.82	6					-	-	21	-	8/41	9/55	
							14	14	7											
							****	****	****											
42	6897					8.97	10.84	10.59	9.11	7.41	4.91			51.83	-	-	-	5/18	10/70	
						52	51	51	51	51	43									
						12	11	10	17	14	16			6						

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only where there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

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TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct ***	Nov- Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<u>UTAH (continued)</u>																				
Provo Dam 40° 13', 111° 18'	42	7068				6.82 11 ****	6.30 16 ****	7.37 17 ****	7.83 17 ****	6.85 17 ****	4.94 17 ****	2.88 17 ****			36.17 ****	-	-	-	5/18	9/60
Saltair Salt Plant 40° 46', 112° 06'	42	7578				6.70 22 17	9.50 24 14	12.26 24 19	14.71 24 8	12.87 24 7	8.86 24 9	12.37 21 21	2 6 ****		70.57 7	-	-	-	3/56	10/79
Strawberry Reservoir 40° 10', 111° 11'	42	8376					6 6 ****	7.43 14 ****	8.00 18 11	7.30 18 14	5.20 18 14	3.35 12 ****			37 ****	-	-	-	6/56	8/77
Utah Lake, LEHI 40° 22', 111° 54'	42	8973			3.11 42 26	5.57 54 30	8.11 59 14	9.60 60 16	10.59 60 7	9.23 60 11	6.76 60 10	3.95 55 13	1.38 39 ****		48.24 8	-	-	-	5/23	10/79
Wanship Dam 40° 47', 111° 24"	42	9165					7 9 ****	6.89 19 15	7.56 18 11	5.64 18 18	4.84 18 21	3 7 ****		35 ****	-	-	-	6/56	6/74	
<u>VERMONT</u>																				
Essex Junction 44° 31', 73° 07'	43	2843				4.92 16 ****	5.67 17 ****	6.46 16 ****	5.00 17 ****	3.43 17 ****	2.29 12 ****			27.77 ****	-	-	-	6/63	9/79	
<u>VIRGINIA</u>																				
Charlottesville 1W 38° 02', 78° 31'	44	1598					6.13 12 11	6.86 14 11	6.97 14 13	5.84 15 11	4.53 15 13	3.38 13 17		33.71 8	-	-	-	8/51	8/66	
Holland 1E 36° 41', 76° 47'	44	4044				6.16 21 14	7.05 28 7	7.58 28 6	7.61 28 15	6.72 27 10	5.14 27 13	3.95 27 12		38.05 5	-	-	-	5/50	4/78	
John H. Kerr Dam 36° 36', 78° 17'	44	4414				5.27 19 15	6.22 23 9	6.81 25 13	7.20 24 12	6.12 22 11	4.87 24 11	3.37 13 19		34.59 ****	-	-	-	10/53	9/79	
Marion Evap Station 36° 49', 81° 31'	44	5271				4.64 9 14	4.98 9 37	5.25 9 8	5.21 9 8	4.98 9 10	3.61 9 9	2.76 9 34		26.79 ****	-	-	-	4/71	10/79	

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** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Other	Annual	Record	Latest	
														Oct	Apr	Season				
														***	***	***	***	Mo/Yr	Mo/Yr	
<u>VIRGINIA (continued)</u>																				
Philpot Dam 2 36° 47', 80° 02'	44	6692				4.34	4.83	5.02	5.30	5.08	3.82	2.72		26.77	-	-	-	9/53	10/79	
						25	25	25	25	25	26	26								
						19	10	9	12	10	13	14				5				
Sterling Test Lab 38° 59', 77° 29'	44	8084				5.03	6.53	7.34	7.53	7.10	5.08			33.58	-	-	-	5/61	10/70	
						9	10	10	10	10	10									
						22	10	7	12	11	10				****					
<u>WASHINGTON</u>																				
Bumping Lake 46° 52', 121° 18'	45	969						4.42	5.92	5.17	3.31			-	-	18.82	-	6/49	9/66	
									16	18	18	14								
									12	11	28	****								
Eltopia 46° 24', 119° 10'	45	2540				5.43	6.61	7.74	9.03	7.41	4.00	2.41		38.10	-	-	-	7/54	10/79	
						19	24	23	23	26	25	21								
						15	12	10	12	17	23	26				12				
Lake Kachess 47° 16', 121° 12'	45	4406					4.00	4.85	6.45	5.18	2.99	1.35		24.82	-	-	-	9/17	9/68	
									43	52	52	51	33							
									22	13	16	18	18	****	****					
Lind 3 NE 47° 00', 118° 35'	45	4679				5.77	8.08	9.88	12.58	10.62	7.19			-	-	54.12	-	4/49	9/79	
						31	31	31	31	30	30									
						14	12	11	9	14	13									
Moses Lake 3 E 47° 07', 119° 12'	45	5613				5.88	7.77	8.91	10.32	8.28	5.57	3		44	-	-	-	4/49	8/66	
						17	16	18	18	18	16	9								
						19	****	16	17	18	21	****	****							
Othello 5 E 46° 48', 119° 03'	45	6215				5.60	7.73	9.29	11.30	9.51	6.45	3.25		47.53	-	-	-	4/41	7/78	
						36	37	38	37	37	37	28								
						17	12	8	9	11	10	15				5				
Puyallup 2 W Exp Sta 47° 12', 122° 20'	45	6803				2.45	3.91	4.69	5.66	4.63	2.73	1.24	0.60	22.86	-	-	-	3/61	11/79	
						18	18	19	19	19	19	18	14							
						14	13	15	12	18	17	9	****	10						
Quincy 47° 13', 119° 51'	45	6880				5.95	8.00	9.13	10.73	8.96	5.83	3.00		45.65	-	-	-	4/41	8/78	
						35	38	38	37	38	37	28								
						15	13	10	9	12	17	16				6				
Rimrock Teton Dam 46° 39', 121° 08'	45	7038					5.45	6.65	8.10	7.44	3.87	1.69		33.20	-	-	-	5/49	9/77	
									29	29	29	29	18							
									14	12	13	16	13	16				10		

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** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct ***	Nov- Apr ***	Other Season ***	Annual ***	Record Began Mo/Yr	Latest Data Mo/Yr
<u>WASHINGTON (continued)</u>																				
Seattle Maple Leaf 47° 42', 122° 19'	45	7463			1.88 13 ****	3.26 17 ****	4.61 17 ****	5.10 17 ****	6.76 17 ****	5.25 18 ****	3.51 18 ****	1.70 16 ****			26.93 ****	-	-	-	5/41	10/70
Spokane WBAP 47° 38', 117° 32'	45	7938				4.85 12 ****	7.47 14 ****	9.11 14 ****	11.90 14 ****	10.66 14 ****	6.34 14 ****				-	-	50.33	-	5/66	9/79
Walla Walla 3 W 46° 02', 118° 20'	45	8931			2.57 23 ****	4.42 42 ****	6.23 45 ****	7.67 45 ****	10.41 46 ****	8.92 45 ****	5.19 46 ****	2.54 45 ****			40.96 ****	-	-	-	6/16	9/62
Whitman Mission 46° 03', 118° 27'	45	9200				4.82 16 ****	6.95 17 ****	8.86 17 ****	10.88 17 ****	9.39 16 ****	5.82 17 ****	2.96 14 ****			44.86 ****	-	-	-	4/63	10/75
<u>WEST VIRGINIA</u>																				
Bluestone Dam 37° 39', 80° 53'	46	939				3.95 27 18	4.91 27 26	5.43 27 7	5.78 27 9	4.94 26 10	3.76 27 13	2.53 27 16	1.38 12 17		27.35 8	-	-	-	10/52	10/79
Hogaett Gallipolis Dam 38° 41', 82° 11'	46	4200					5.72 10 ****	6.22 20 8	6.47 21 11	5.74 22 8	4.54 23 17	3.24 21 20		31.93 ****	-	-	-	-	6/49	9/72
Kearneysville 39° 23', 77° 53'	46	4763				5 9 ****	5.60 14 ****	5.81 13 ****	6.87 14 ****	6.00 14 ****	4.40 13 ****	3.08 11 ****		31.76 ****	-	-	-	-	4/65	10/79
Parsons 39° 06', 79° 40'	46	6867				4 7 ****	5.03 14 ****	5.48 14 ****	5.60 13 ****	4.94 13 ****	3.72 13 ****	2.59 12 ****		27.36 ****	-	-	-	-	5/65	9/79
Sutton Reservoir 38° 39', 80° 41'	46	8662					5.07 12 ****	5.57 17 ****	5.75 16 ****	5.23 17 10	3.96 16 9	3 7 ****		26 ****	-	-	-	-	8/61	9/78
Wardensville 39° 26', 78° 35'	46	9281				4.74 26 16	5.24 38 11	5.94 39 6	6.47 39 10	7.21 40 9	4.42 40 13	3.15 36 12		32.43 6	-	-	-	-	8/39	9/79

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** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Other	Annual	Record Began	Latest Data
															Oct	Apr	Season			
WISCONSIN																				
Arlington University Farm 43° 18', 89° 21'	47	308					7 7 ****	7.50 14 ****	8.17 14 ****	6.77 15 ****	4.81 15 ****	3.21 14 ****			37.46 ****	-	-	-	6/65	10/79
Marshfield Exp Sta 44° 39', 90° 08'	47	5120					5.97 29 11	6.46 39 13	6.98 40 12	6.15 39 11	4.35 41 13	3.16 26 15			33.07 ****	-	-	-	6/39	9/79
Rainbow Reservoir 45° 50', 89° 33'	47	6939					4.76 20 ****	5.19 28 34	5.49 30 10	4.54 30 7	2.92 29 9	2.12 11 ****			25.02 ****	-	-	-	5/49	9/79
Trempealeau Dam 6# 44° 00', 91° 26'	47	8589					6.01 36 11	6.64 39 15	7.03 39 10	5.88 39 8	4.32 38 7	3.48 28 15			33.36 6	-	-	-	5/41	9/79
WYOMING																				
Anchor Dam 43° 40', 108° 50'	48	228					7.10 14 ****	8.53 17 ****	9.67 17 11	8.46 18 13	6.07 15 ****				-	-	39.83	-	4/61	9/79
Archer 41° 09', 104° 39'	48	270					5 8 ****	3.40 23 17	7.52 23 14	8.66 24 17	8.31 24 10	6.20 24 14	5 8 ****		39 ****	-	-	-	5/58	10/75
Boysen Dam 43° 25', 108° 11'	48	1000					7.38 23 12	8.69 31 14	10.53 31 10	9.50 31 8	6.23 30 17	3.72 12 ****			46.05 ****	-	-	-	4/49	8/79
Farson 42° 07', 109° 27'	48	3170					7.91 14 13	9.75 20 18	11.00 20 10	9.12 22 12	6.76 21 19				-	-	44.54 ****	-	6/50	9/73
Gillette 44° 17', 105° 28'	48	3855					4.61 10 ****	6.78 17 ****	7.72 17 ****	9.75 17 ****	9.69 17 ****	6.35 17 ****	2.16 15 ****		42.45 ****	-	-	-	6/58	10/79
Green River 41° 32', 109° 28'	48	4065					9.14 13 15	10.22 15 14	12.22 17 5	10.53 15 32	7.36 15 15				-	-	49.47	-	6/58	9/79
Heart Mountain 44° 41', 108° 57'	48	4411					6.55 25 14	7.18 29 25	8.43 28 14	7.45 30 15	5.10 28 21	3.79 20 21			38.50 15	-	-	-	6/50	9/79

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only where there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE I -- MEAN MONTHLY, SEASONAL, AND ANNUAL CLASS A PAN EVAPORATION (INCHES)
FOR STATIONS WITH 10 YEARS OR MORE OF RECORD FOR BEST MONTH*

Station	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Other	Annual	Record Began	Latest Data
															Oct	Apr	Season			
															***	***	***	***	Mo/Yr	Mo/Yr
WYOMING (continued)																				
Laramie 2 NW 41° 21', 105° 37'	48	5435					8.96 9 ****	10.23 12 ****	11.02 13 ****	9.73 13 ****	7.65 12 ****	5 5 ****			53 ****	-	-	-	5/66	9/79
Morton 1 NW 43° 13', 108° 48'	48	6470					6.10 14 ****	7.07 17 ****	9.88 17 ****	7.57 17 ****	5.17 17 ****				-	-	35.79	-	5/51	9/68
Pathfinder Dam 42° 28', 106° 51'	48	7105				5.45 15 ****	6.94 26 ****	8.62 28 ****	10.54 30 ****	9.69 30 ****	7.33 29 ****	5.44 25 ****			48.56 ****	-	-	-	5/49	8/79
Sheridan Field Station 44° 50', 106° 50'	48	8160					6.21 24 ****	7.67 29 ****	9.82 29 ****	9.44 29 ****	6.29 27 ****				-	-	39.43	-	5/49	9/79
Whalen Dam 42° 15', 104° 38'	48	9604				5.99 17 ****	7.85 31 ****	9.06 31 ****	10.63 30 ****	9.53 31 ****	6.61 31 ****	4.81 22 ****			48.49 ****	-	-	-	4/49	10/79

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only where there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

		State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr
<u>ALABAMA</u>																				
	Birmingham WB Airport 33° 34', 86° 45'	1	831	1.79 15 18	2.40 15 14	4.06 15 17	5.86 15 7	7.23 15 14	7.14 15 11	7.13 15 18	6.68 15 14	5.45 15 13	3.93 15 17	2.60 15 7	1.90 15 12	37.57 8	18.60 5	56.18 6	1/56	12/70
	Mobile WB Airport 30° 40', 88° 15'	1	5478	2.70 14 16	3.28 15 11	4.86 15 7	5.84 15 7	7.19 15 12	7.16 15 13	6.50 15 12	6.29 15 11	5.66 15 12	5.20 14 13	3.61 15 8	2.87 15 11	38.05 6	23.19 5	60.91 5	1/56	12/70
	Montgomery WB Airport 32° 18', 86° 23'	1	5550	2.09 15 16	2.76 15 8	4.37 15 13	5.71 15 8	7.10 15 12	7.12 15 12	7.42 15 8	6.94 15 12	5.77 14 12	4.08 15 12	2.82 15 7	2.26 15 8	38.61 6	20.01 5	58.70 5	1/56	12/70
<u>ARIZONA</u>																				
	Flagstaff WB Airport 35° 7', 111° 40'	2	3010	2 9 ****	2 9 ****	3 9 ****	5 9 ****	7 9 ****	9 9 ****	8 9 ****	6 9 ****	5 9 ****	4 9 ****	2.51 10 16	1.66 10 19	39 ****	15 ****	54 ****	11/61	12/70
	Phoenix WB Airport 33° 25', 112° 1'	2	6481	3.60 15 16	4.36 15 18	7.00 15 14	9.98 15 11	13.31 15 11	14.83 15 5	14.55 15 5	12.66 15 7	10.53 15 7	7.77 15 11	4.79 15 12	3.51 15 14	73.66 5	33.24 8	106.90 5	1/56	12/70
	Tucson WB Airport 32° 7', 110° 55'	2	8820	4.64 15 12	5.15 15 12	7.72 15 17	10.85 15 10	13.77 15 8	15.21 15 5	13.08 15 6	11.52 15 11	10.74 14 10	8.69 15 11	5.70 15 11	4.38 15 16	72.94 3	38.44 5	111.45 3	1/56	12/70
	Winslow WB Airport 35° 1', 110° 43'	2	9439	1.99 15 37	3.07 15 18	5.50 15 13	8.08 15 8	10.93 15 8	13.05 15 5	11.86 15 10	10.14 15 10	8.71 15 11	6.08 15 11	3.36 15 12	1.92 15 31	60.77 5	23.92 6	84.68 5	1/56	12/70
	Yuma WB Airport 32° 40', 114° 36'	2	9660	5.24 15 12	5.73 15 12	8.49 15 10	11.36 15 8	14.27 15 3	15.55 15 5	15.85 15 5	14.33 15 5	11.86 15 10	8.87 15 5	5.89 14 12	4.82 15 17	80.73 3	41.64 6	122.45 5	1/56	12/70
<u>ARKANSAS</u>																				
	Ft Smith Water PL 35° 38', 94° 8'	3	2578	1.84 15 19	2.15 15 11	3.74 15 20	5.46 15 12	6.61 15 11	7.18 15 10	8.01 15 12	7.70 15 12	5.46 15 18	4.05 15 19	2.55 15 16	1.85 15 11	39.03 8	17.59 7	56.61 7	1/56	12/70
	Little Rock WB Airport 34° 43', 92° 13'	3	4248	1.92 15 17	2.40 15 12	4.18 15 25	5.51 15 18	6.94 15 11	7.97 15 7	8.03 15 8	7.20 15 13	5.52 15 18	4.15 15 13	2.63 15 12	1.97 15 12	39.81 3	18.61 7	58.42 3	1/56	12/70

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

	State No.	Station Index No.**	Monthly Means (inches)												May-Oct***	Nov-Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
CALIFORNIA																			
Bakersfield WB Airport 35° 25', 119° 3'	4	442	1.96 15 29	2.61 15 23	4.68 15 16	6.66 15 18	9.73 15 12	12.26 15 5	13.48 15 5	12.05 15 7	9.13 15 8	6.19 15 17	3.20 15 24	1.75 15 32	62.84 5	20.86 12	83.71 6	1/56	12/70
Burbank Valley Pump 34° 10', 118° 21'	4	1194	3.52 10 24	3.57 10 30	4.81 10 16	5.67 10 16	6.25 10 13	7.30 10 12	9.16 10 8	8.32 10 6	7.12 10 12	5.41 10 19	4.04 10 13	3.63 10 17	43.56 5	25.25 8	68.81 5	1/56	12/65
Fresno WB Airport 36° 46', 119° 43'	4	3257	1.30 15 22	2.06 15 19	4.22 15 12	6.28 15 17	9.33 15 10	11.41 15 6	12.39 15 7	10.74 15 6	7.85 15 6	5.04 15 11	2.34 15 25	1.21 14 37	56.74 5	17.51 8	74.14 5	1/56	12/70
Long Beach WB Airport 33° 49', 118° 8'	4	5085	3.41 11 13	3.45 11 22	4.48 11 12	5.68 11 12	6.22 11 10	6.15 11 11	8.10 11 7	7.99 11 10	6.38 11 10	5.24 11 18	3.50 11 17	2.98 11 18	40.07 6	23.49 7	63.57 5	1/60	12/70
Los Angeles WB Airport 33° 55', 118° 22'	4	5114	3.54 15 19	3.63 14 24	5.10 15 12	5.77 15 13	6.65 14 10	6.36 15 14	7.82 15 7	7.29 15 6	6.07 15 14	5.27 14 30	3.96 15 22	3.55 15 18	39.87 7	25.52 7	65.48 6	1/56	12/70
63 Oakland WB Airport 37° 43', 122° 11'	4	6335	1.75 15 19	2.26 15 25	3.76 15 12	4.75 15 12	5.69 14 10	6.43 15 13	6.43 15 8	5.98 15 6	5.37 15 11	3.97 15 13	2.38 15 17	1.83 15 24	33.96 5	16.73 7	50.65 5	1/56	12/70
Red Bluff WB Airport 40° 8', 122° 15'	4	7292	2.51 15 68	2.94 15 26	4.52 15 17	6.91 14 23	9.57 15 12	12.65 14 11	13.46 15 5	11.79 15 7	9.14 15 7	6.24 15 17	3.24 15 26	2.25 14 31	62.96 5	22.51 18	85.47 7	1/56	12/70
Sacramento WB Airport 38° 31', 121° 30'	4	7630	1.26 15 29	2.15 15 25	3.73 15 17	5.85 15 19	8.31 15 10	10.73 15 8	11.31 15 5	10.10 15 5	7.68 15 5	5.02 14 18	2.32 15 27	1.22 15 43	53.19 5	16.54 14	69.86 6	1/56	12/70
San Diego WB Airport 32° 43', 117° 10'	4	7740	3.19 15 16	3.35 15 16	4.74 15 11	6.09 15 11	6.37 15 8	5.57 15 12	6.81 15 5	6.72 15 8	5.79 15 8	4.86 15 14	3.78 15 19	3.27 15 16	36.12 5	24.42 6	60.54 5	1/56	12/70
San Francisco WB Airport 37° 37', 122° 22'	4	7769	1.65 15 19	2.40 15 24	3.81 15 17	5.30 15 12	6.40 15 16	7.08 15 11	6.70 15 11	6.64 15 12	5.94 15 16	4.40 15 17	2.43 15 17	1.70 15 25	37.16 7	17.29 10	54.45 8	1/56	12/70
COLORADO																			
Colorado Springs WSO 38° 49', 104° 43'	5	1778	2.38 15 18	2.52 15 20	3.76 15 26	5.86 15 18	7.91 15 12	9.36 15 13	9.52 15 10	8.59 15 11	6.69 15 12	5.14 15 19	3.02 15 18	2.43 15 17	47.22 8	19.97 8	67.19 6	1/56	12/70

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr
<u>COLORADO (continued)</u>																			
Denver WSFO 39° 45', 104° 52'	5	2220	2.20 15 19	2.33 15 25	3.83 15 24	5.70 15 16	7.43 15 16	8.96 15 18	9.80 15 8	9.11 15 11	6.59 15 14	4.78 15 25	2.69 15 16	2.24 15 26	46.68 11	18.99 6	65.68 8	1/56	12/70
Grand Junction WS 39° 7', 108° 31'	5	3488	1.86 15 38	2.11 15 27	4.26 15 16	6.60 15 12	9.89 15 12	12.49 15 12	12.98 14 7	11.10 15 12	8.20 15 12	5.37 15 17	2.53 15 14	1.34 15 25	60.10 6	18.70 7	78.78 6	1/56	12/70
Pueblo WSO 38° 16', 104° 31'	5	6740	2.00 14 31	2.44 15 26	4.17 15 25	7.04 15 18	9.11 15 12	10.82 15 14	11.09 15 8	9.72 15 8	7.35 15 12	5.28 15 18	2.96 15 18	2.27 15 29	53.37 8	20.88 12	74.19 8	1/56	12/70
<u>CONNECTICUT</u>																			
Bridgeport WSO 41° 10', 73° 7'	6	806	1.49 10 25	1.60 10 19	2.53 11 11	3.67 10 18	4.81 11 18	5.50 11 11	5.82 11 17	5.36 11 11	4.29 11 6	3.44 11 8	2.13 11 7	1.49 11 17	29.21 5	12.83 ****	42.16 ****	3/60	12/70
Hartford WSO 41° 55', 72° 40'	6	3456	1.10 15 29	1.33 15 20	2.46 15 16	4.28 15 18	5.68 15 17	6.07 15 12	6.43 15 18	5.83 15 11	3.83 15 16	2.74 15 18	1.70 15 17	1.07 15 20	30.59 10	11.94 12	42.53 10	1/56	12/70
<u>DELAWARE</u>																			
Wilmington WSO 39° 40', 75° 36'	7	9595	1.49 15 23	1.74 14 20	3.01 15 17	4.34 15 12	5.54 15 13	6.40 15 7	6.40 15 17	5.92 15 13	4.64 15 12	3.37 15 10	2.20 15 7	1.52 15 17	32.29 7	14.27 8	46.51 6	1/56	12/70
<u>FLORIDA</u>																			
Daytona Beach WB Airport 29° 10', 81° 4'	8	2158	3.32 15 11	3.88 15 7	5.19 15 13	6.86 15 8	7.53 15 11	7.04 15 8	7.11 15 5	6.71 15 6	5.89 15 10	5.30 15 11	4.04 15 6	3.20 15 10	39.58 5	26.49 5	66.07 3	1/56	12/70
Jacksonville WB Airport 30° 25', 81° 38'	8	4358	2.76 15 12	3.45 15 10	5.50 15 11	7.54 15 6	8.52 15 12	7.73 15 12	7.92 15 7	7.28 15 6	5.94 15 11	4.64 15 16	3.50 15 10	2.89 15 13	42.03 5	25.63 5	67.65 5	1/56	12/70
Key West WB Airport 24° 33', 81° 45'	8	4570	4.46 10 13	4.89 10 5	7.18 10 7	9.09 10 5	10.10 10 11	9 9 ****	9.68 10 6	8.72 10 3	7.37 11 5	6.47 11 6	5.55 11 7	4.74 11 10	51 ****	35.90 3	87 ****	7/60	12/70

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Annual***	Record Began Mo/Yr	Last Data Mo/Yr	
														Oct***	Apr***				
FLORIDA (continued)																			
Miami WSO 25° 48', 80° 16'	8 5663	4.28	4.84	6.59	7.84	7.85	6.96	8.03	7.68	6.00	5.78	4.83	4.27	42.30	32.67	74.97	1/56	12/70	
		15	15	15	15	15	15	15	15	15	15	15	15	15					
		14	11	12	11	12	11	11	11	11	11	8	10	13	6	5	5		
Orlando WB Airport 28° 33', 81° 19'	8 6638	3.66	4.39	6.00	7.66	8.53	7.75	7.74	7.10	6.23	5.78	4.51	3.80	43.17	29.72	72.39	1/56	12/70	
		14	15	14	15	15	14	13	14	14	14	14	13						
		16	7	11	10	11	6	3	5	7	13	8	11	5	6	5			
Tallahassee WB Airport 30° 22', 84° 22'	8 8758	2.50	2.88	4.63	5.94	7.01	6.96	6.36	6.20	5.47	4.87	3.24	2.57	36.87	21.75	58.57	2/56	12/70	
		14	15	15	15	15	15	15	15	15	15	15	15						
		12	13	11	7	12	10	7	12	7	13	14	5	6	5	5			
Tampa WSO 27° 58', 82° 31'	8 8788	3.40	3.98	5.73	7.57	8.84	8.15	7.74	7.17	6.40	5.74	4.28	3.59	44.03	28.56	72.60	1/56	12/70	
		15	15	15	15	15	15	15	15	15	15	15	15						
		10	11	14	8	5	8	7	10	8	13	10	12	5	6	5			
West Palm Beach WB Airport 26° 40', 80° 6'	8 9525	4.33	4.79	6.52	7.74	7.94	7.10	7.71	7.29	6.03	6.12	5.12	4.41	42.40	32.92	75.29	1/56	12/70	
		15	15	15	15	15	14	15	14	15	15	15	15						
		11	6	10	6	10	7	11	5	8	6	7	7	3	5	3			
GEORGIA																			
Athens WB Airport 33° 56', 83° 19'	9 435	2.20	2.66	4.16	5.51	6.43	6.64	6.54	6.36	5.06	4.20	2.99	2.27	35.22	19.79	55.01	1/56	12/70	
		15	15	15	15	15	15	15	15	15	15	15	15						
		16	10	18	7	13	12	12	13	11	16	8	8	5	5	5			
Atlanta WB Airport 33° 38', 84° 25'	9 451	2.12	2.73	4.28	5.78	7.03	7.10	7.07	6.70	5.22	4.14	2.89	2.26	37.25	20.15	57.13	1/56	12/70	
		14	15	15	15	15	15	15	15	15	15	15	15						
		12	12	17	11	12	12	8	12	11	16	8	13	5	6	5			
Augusta WB Airport 33° 22', 81° 58'	9 495	2.18	2.75	4.25	5.66	6.27	6.62	6.49	6.31	5.07	4.19	3.00	2.29	34.96	20.13	55.09	1/56	12/70	
		15	15	15	15	15	15	15	15	15	15	15	15						
		13	10	16	7	16	8	10	12	10	14	11	8	5	6	5			
Columbus WB Airport 32° 31, 84° 55'	9 2166	2.05	2.66	4.16	5.51	6.76	6.76	6.10	6.16	5.32	4.35	2.77	2.10	35.48	19.29	54.91	6/58	12/70	
		12	12	12	12	12	13	13	13	13	13	13	12	13					
		10	12	11	10	13	10	13	8	8	11	6	12	5	5	5			
Macon WB Airport 32° 41', 83° 38'	9 5443	2.25	2.92	4.64	6.47	7.85	7.67	7.55	7.14	5.83	4.36	3.03	2.45	40.40	21.76	62.16	1/56	12/70	
		15	15	15	15	15	15	15	15	15	15	15	15						
		16	12	13	7	14	11	11	13	11	13	10	10	5	5	5			
Savannah WB Airport 32° 7, 81° 11'	9 7847	2.30	2.87	4.76	6.70	7.62	7.51	7.79	6.83	5.67	4.45	3.06	2.60	39.87	22.22	61.82	1/56	12/70	
		15	15	14	15	15	15	15	15	15	15	15	15						
		14	8	14	5	16	12	7	8	8	14	11	12	5	6	5			

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** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr
<u>IDAHO</u>																			
Boise WB Airport 43° 34', 116° 13'	10	1022	1.58 15 122	1.63 15 26	3.59 15 25	5.06 15 14	7.39 15 12	9.23 15 14	12.09 15 5	10.01 15 12	6.64 15 11	3.90 15 14	1.76 15 18	1.09 15 36	49.25 5	14.72 18	63.97 6	1/56	12/70
Pocatello WB Airport 42° 55', 112° 36'	10	7211	0.97 15 38	1.38 15 37	3.52 15 60	4.92 15 18	7.36 15 17	8.87 15 19	11.69 15 7	9.20 15 22	6.43 15 12	4.01 15 14	1.78 15 25	1.01 15 31	47.56 8	13.58 20	61.14 8	1/56	12/70
<u>ILLINOIS</u>																			
Chicago WB Airport 41° 46', 87° 45'	11	1577	1.09 15 26	1.37 15 23	2.68 15 25	4.56 15 18	6.90 15 13	8.21 15 12	8.16 15 11	6.95 15 8	5.11 15 8	3.83 15 17	1.97 15 13	1.19 15 20	39.16 6	12.86 12	52.02 5	1/56	12/70
Moline WSO 41° 26', 90° 31'	11	5751	0.88 15 25	1.17 15 23	2.46 15 30	4.38 15 18	6.34 15 12	7.20 15 14	7.45 15 12	6.19 15 6	4.35 15 10	3.36 15 19	1.72 15 18	1.07 15 32	34.90 6	11.67 11	46.58 6	1/56	12/70
Peoria WSO 40° 40', 89° 40'	11	6711	0.91 15 29	1.26 15 17	2.49 15 27	4.52 15 16	6.40 15 16	7.48 15 12	7.49 15 12	6.43 15 7	4.77 15 12	3.54 15 23	1.80 15 13	0.97 15 22	36.11 7	11.95 10	48.06 6	1/56	12/70
Rockford WSO 42° 11', 89° 6'	11	7382	0.79 12 29	1.08 12 25	2.33 12 23	4.12 12 12	5.93 12 8	7.07 12 8	7.13 12 7	6.23 12 7	4.40 12 8	3.30 12 18	1.61 12 14	0.83 12 17	34.05 3	10.78 6	44.88 3	1/59	12/70
Springfield WSO 39° 49', 89° 40'	11	8179	1.09 15 24	1.38 15 14	2.72 15 26	4.88 15 18	7.40 15 23	7.99 15 12	8.05 15 12	6.62 15 10	5.39 15 11	3.88 15 23	2.12 15 16	1.18 15 20	39.34 7	13.36 8	52.70 7	1/56	12/70
<u>INDIANA</u>																			
Evansville WSO 38° 3', 87° 31'	12	2738	1.29 15 18	1.68 15 25	3.02 15 19	5.09 15 13	6.73 14 12	7.56 15 11	7.72 15 6	6.88 15 6	5.11 15 12	3.72 15 14	2.05 15 12	1.32 15 22	37.78 5	14.45 6	52.29 3	1/56	12/70
Fort Wayne WSO 41° 0', 85° 11'	12	3037	0.86 15 25	1.17 15 18	2.23 15 22	4.03 15 17	6.27 15 13	7.45 15 12	7.51 15 10	6.50 15 11	4.64 15 11	3.25 15 18	1.60 15 16	0.90 15 18	35.61 5	10.78 6	46.39 5	1/56	12/70
Indianapolis WSFO 39° 43', 86° 16'	12	4259	1.06 15 26	1.35 15 17	2.49 15 20	4.32 15 12	6.06 15 17	7.13 15 12	6.99 15 13	6.28 15 11	4.71 15 13	3.39 15 18	1.73 15 18	1.09 15 25	34.57 10	12.04 10	46.61 8	1/56	12/70

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr
<u>INDIANA (continued)</u>																			
South Bend WB Airport 41° 41', 86° 19'	12	8187	0.83	1.00	2.08	3.80	5.63	6.73	6.64	5.93	4.26	3.17	1.61	0.88	32.35	10.20	42.56	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
			36	24	23	16	17	12	11	8	12	24	19	24	6	10	6		
<u>IOWA</u>																			
Burlington FAA Airport 40° 46', 91° 7'	13	1063	1.00	1.35	2.66	4.63	6.27	6.43	6.59	5.72	4.44	3.67	1.93	1.05	33.18	12.84	46.25	1/56	12/70
			15	15	15	15	14	15	15	15	15	15	15	15	14	14	14		
			30	19	26	14	7	7	12	11	7	14	18	30	5	8	5		
Des Moines WSO 41° 31', 93° 38'	13	2203	0.82	1.11	2.47	4.56	6.61	7.74	8.14	6.77	4.55	3.77	1.81	1.04	37.57	11.81	49.38	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15	15			
			31	36	33	16	13	16	13	7	17	18	24	29	7	12	7		
Sioux City WSO 42° 23', 96° 22'	13	7708	0.78	1.00	2.28	4.63	6.35	7.24	7.35	6.04	4.14	3.51	1.67	0.93	34.63	11.24	46.03	1/56	12/70
			14	15	15	15	15	15	15	15	15	15	15	15	15				
			31	35	45	8	12	18	12	12	20	25	23	38	10	12	10		
Waterloo WSO 42° 33', 92° 23'	13	8706	0.68	0.89	1.89	4.10	5.94	6.80	6.97	5.95	4.07	3.19	1.55	0.71	32.92	9.86	42.85	3/60	12/70
			10	10	11	11	11	11	11	11	11	11	11	11	11				
			31	35	42	19	10	12	12	6	17	18	16	33	6	16	7		
<u>KANSAS</u>																			
Concordia WSO 39° 33', 97° 38'	14	1767	1.24	1.64	3.37	5.29	6.65	8.29	9.39	8.45	5.49	4.26	2.20	1.52	42.56	15.27	57.90	1/56	12/70
			15	15	15	15	14	15	15	15	15	15	15	15	15				
			37	35	37	16	18	14	14	11	19	26	19	20	11	17	12		
Dodge City WSO 37° 46', 99° 58'	14	2164	2.11	2.45	4.45	6.91	8.78	10.41	11.18	10.37	7.32	5.63	3.09	2.23	53.69	21.24	74.93	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15				
			30	30	37	18	16	13	13	12	23	24	20	25	10	14	10		
Goodland WSO 39° 22', 101° 41'	14	3153	1.96	2.15	3.57	5.95	7.81	9.74	10.57	9.63	6.81	5.16	2.79	2.03	49.71	18.47	68.17	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15				
			30	31	33	18	18	18	12	8	18	18	16	22	10	13	8		
Topeka WSO 39° 4', 95° 37'	14	8167	1.32	1.73	3.36	5.01	6.64	6.94	7.89	7.32	4.92	3.81	2.14	1.41	37.52	14.97	52.50	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15				
			29	24	31	14	18	14	16	11	22	25	17	23	11	12	10		
Wichita WSO 37° 38', 97° 25'	14	8830	1.66	2.10	4.14	5.88	7.50	8.75	9.66	9.17	6.00	4.69	2.63	1.98	45.77	18.40	64.16	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15				
			27	22	30	16	19	12	14	14	24	20	22	41	11	13	10		

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

	State No.	Station Index No.**	Month												May-Oct***	Nov-Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr	
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec						
<u>KENTUCKY</u>																				
Lexington WB Airport 38° 1', 84° 36'	15	4746	1.31	1.51	2.97	4.64	5.90	6.58	6.67	6.46	5.16	3.84	2.15	1.39	34.61	13.96	48.57	1/56	12/70	
			15	15	15	15	15	15	15	15	15	15	15	15	15	6	12			6
			31	24	23	13	11	8	10	12	18	17	12	18						
Louisville WSO 38° 10', 85° 43'	15	4954	1.34	1.51	3.14	5.11	6.57	7.05	7.30	6.84	4.96	3.54	2.14	1.62	36.26	14.87	51.13	1/56	12/70	
			15	15	15	15	15	15	15	15	15	15	15	15	15	7	12			7
			30	30	20	17	12	12	12	7	12	13	11	33						
<u>LOUISIANA</u>																				
Alexandria WB Airport 31° 23', 92° 18'	16	104	1.84	2.41	3.76	4.83	6.14	6.57	6.54	6.16	5.25	4.23	2.75	1.82	34.88	17.44	52.00	2/60	12/70	
			10	11	11	10	10	10	10	10	10	10	10	10	11	6	****			****
			14	11	14	10	11	12	14	13	8	12	16	10						
Baton Rouge WB Airport 30° 31', 91° 8'	16	549	2.60	3.08	4.70	5.51	6.83	7.13	6.73	6.29	5.66	4.93	3.30	2.57	37.58	21.76	59.34	1/56	12/70	
			15	15	15	15	15	15	15	15	15	15	15	15	15	6	5			5
			13	14	11	8	11	13	13	12	12	13	11	18						
Lake Charles WB Airport 30° 7', 93° 13'	16	5078	2.29	2.71	4.33	5.58	7.30	7.63	7.43	6.73	5.77	4.77	3.25	2.33	39.64	20.49	60.13	1/56	12/70	
			15	15	15	15	15	15	15	15	15	15	15	15	15	5	6			5
			19	12	13	10	7	12	11	12	12	12	12	18						
New Orleans WB Moisant 29° 58', 90° 15'	16	6660	2.47	2.97	4.42	5.42	6.86	6.92	6.56	6.14	5.56	4.91	3.22	2.52	36.94	21.02	57.96	1/56	12/70	
			15	15	15	15	15	15	15	15	15	15	15	15	15	3	6			5
			18	14	11	11	8	14	11	11	12	6	11	12						
Shreveport WB Airport 32° 28', 93° 49'	16	8440	2.46	2.86	4.59	5.71	7.48	8.07	8.83	8.21	6.15	4.87	3.04	2.28	43.61	20.94	64.55	1/56	12/70	
			15	15	15	15	15	15	15	15	15	15	15	15	15	7	8			6
			29	8	22	14	11	12	11	11	16	13	18	16						
<u>MAINE</u>																				
Portland WSMO 43° 38', 70° 19'	17	6905	0.91	1.03	1.99	3.10	4.76	5.35	5.70	4.98	3.31	2.29	1.19	0.89	26.39	9.12	35.53	1/56	12/70	
			15	15	15	15	15	15	15	15	14	14	15	15	6	10	6			
			29	23	12	12	12	18	14	12	8	12	24	16						
<u>MARYLAND</u>																				
Baltimore WSO 39° 10', 76° 40'	18	465	1.63	1.94	3.30	4.88	6.27	7.21	7.57	6.70	4.92	3.56	2.41	1.68	36.24	15.82	52.07	1/56	12/70	
			15	15	15	15	15	15	15	15	15	15	15	15	15	7	10			6
			24	25	17	17	11	8	13	10	16	13	12	17						

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** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Annual***	Record Began Mo/Yr	Last Data Mo/Yr
														Oct***	Apr***			
<u>MASSACHUSETTS</u>																		
Boston WSFO 42° 22', 71° 1'	19 770	1.77	1.89	2.98	4.43	6.32	6.80	7.26	6.44	4.56	3.61	2.33	1.84	34.89	15.24	50.09	1/56	12/70
		15	15	15	15	15	15	15	14	15	15	15	15	15	15			
		19	17	12	16	13	18	18	10	12	18	16	18	8	8	8		
Nantucket FAA Airport 41° 15', 70° 4'	19 5159	1.49	1.73	2.35	3.33	4.56	5.03	5.06	4.31	3.25	2.65	1.88	1.56	24.92	12.29	37.21	1/56	7/69
		14	14	14	14	14	14	14	13	13	13	13	13	13	13			
		17	31	13	12	16	16	18	16	10	8	11	13	10	8	7		
Worcester WSO 42° 16', 71° 52' "	19 9923	1.25	1.40	2.40	4.01	5.40	5.62	5.91	5.28	3.89	3.03	1.80	1.26	29.12	12.10	40.96	1/57	12/70
		14	13	14	14	14	14	14	14	14	14	14	14	14	14			
		22	17	11	14	13	12	16	12	11	22	16	30	7	6	6		
<u>MICHIGAN</u>																		
Alpena WSO 45° 4', 83° 34'	20 164	0.59	0.76	1.55	2.91	4.65	5.63	6.31	4.88	2.94	1.85	1.05	0.61	26.27	7.37	33.66	5/56	12/70
		13	12	13	13	14	13	13	14	13	13	13	14	14	14			
		22	22	18	18	18	14	12	8	12	22	13	20	8	12	8		
Detroit City WB Airport 42° 25', 83° 1'	20 2102	1.02	1.12	2.07	3.72	5.51	6.92	7.18	6.01	4.26	3.15	1.80	1.03	33.03	10.77	43.80	1/56	12/65
		10	10	10	10	10	10	10	10	10	10	10	10	10	10			
		19	18	18	18	25	10	7	7	6	20	17	18	6	7	5		
Detroit WSFO MET 42° 13', 83° 19'	20 2103	0.87	1.21	2.16	3.69	5.43	6.54	6.85	5.90	4.17	3.07	1.62	1.00	31.96	10.55	42.50	1/60	12/70
		11	11	11	11	11	11	11	11	11	11	11	11	11	11			
		38	22	18	18	11	10	7	12	6	12	12	18	3	10	3		
Detroit WB Willow Run Airport 42° 13', 83° 31'	20 2104	0.89	1.09	2.16	3.66	5.70	6.66	7.11	5.91	4.42	3.19	1.77	0.95	33.00	10.5	43.52	1/56	12/65
		10	10	10	10	10	10	10	10	10	10	10	10	10	10			
		18	18	16	20	12	6	12	6	10	20	13	20	3	7	1		
Flint WSO 42° 58', 83° 43'	20 2846	0.76	0.96	1.94	3.58	5.00	5.92	6.26	5.41	3.65	2.75	1.46	0.87	29.00	9.57	38.57	1/56	12/70
		15	15	15	15	15	15	15	15	15	15	15	15	15	15			
		41	30	25	18	12	11	11	10	8	19	17	24	5	13	6		
Grand Rapids WB Airport 42° 52', 85° 31'	20 3333	0.66	0.89	1.92	3.72	5.88	7.08	7.23	6.13	4.03	2.66	1.36	0.74	33.00	9.29	42.29	1/56	12/70
		15	15	15	15	15	15	15	15	15	15	15	15	15	15			
		25	18	22	18	16	12	8	11	12	22	17	20	5	8	5		
Lansing WSO 42° 46', 84° 36'	20 4641	0.71	0.98	2.02	3.75	5.75	6.68	6.96	5.81	3.81	2.61	1.38	0.72	31.63	9.56	41.19	1/60	12/70
		11	11	11	11	11	11	11	11	11	11	11	11	11	11			
		27	24	25	20	13	13	8	12	13	19	18	33	5	13	5		
Muskegon WSO 43° 10', 86° 13'	20 5712	0.80	0.93	2.01	3.81	5.73	6.74	7.11	6.06	4.00	2.94	1.66	0.94	32.59	10.21	42.80	4/59	12/70
		11	11	11	12	11	11	11	11	11	11	11	11	11	11			
		25	17	25	14	8	10	6	11	7	16	12	20	3	10	3		

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** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

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TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May- Oct***	Nov- Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr
<u>MICHIGAN (continued)</u>																			
Sault Sainte Marie WB Airport 46° 28', 84° 22'	20	7366	0.41	0.57	1.36	2.74	4.65	5.43	5.85	4.74	2.62	1.74	0.83	0.47	25.03	6.34	31.21	1/56	12/70
			14	14	15	15	15	15	15	15	15	15	15	15					
			25	24	10	17	13	16	12	12	14	22	22	33	5	8	5		
<u>MINNESOTA</u>																			
Duluth WSO 46° 49', 92° 10'	21	2248	0.52	0.69	1.59	3.16	5.05	5.59	6.47	5.25	3.08	2.31	1.01	0.51	27.74	7.48	35.22	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15					
			18	18	19	13	17	12	12	18	13	24	20	25	6	8	5		
International Falls WSO 48° 34', 93° 22'	21	4026	0.36	0.57	1.39	3.14	5.12	5.82	6.20	4.96	2.92	2.17	0.75	0.34	27.18	6.63	33.61	1/56	11/70
			15	15	15	15	15	15	15	15	15	15	15	14					
			37	18	19	12	12	13	11	12	14	25	26	43	5	10	3		
Minneapolis WSO 44° 52', 93° 13'	21	5435	0.67	0.90	2.03	4.11	6.10	7.25	7.88	6.52	4.01	2.92	1.28	0.73	34.67	9.67	44.15	1/56	12/70
			14	15	15	15	15	15	15	15	15	15	15	15					
			23	26	35	18	17	13	16	10	17	20	20	25	7	17	7		
Rochester WSO 43° 55', 92° 30'	21	7004	0.69	0.88	1.73	3.89	5.81	6.77	7.02	5.83	4.03	3.30	1.40	0.71	32.77	9.29	42.06	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15					
			38	37	37	16	11	12	12	12	10	18	23	24	5	14	5		
<u>MISSISSIPPI</u>																			
Jackson WB Airport 32° 19', 90° 4'	22	4472	1.90	2.36	4.02	5.58	6.95	7.38	7.49	6.85	5.44	3.94	2.62	1.96	37.34	18.37	55.70	1/56	12/70
			15	15	15	15	14	15	15	15	14	14	14	15					
			23	10	18	8	8	12	12	11	14	12	8	17	5	7	5		
Meridian WB Airport 32° 19', 88° 45'	22	5776	1.91	2.57	4.13	5.45	6.52	7.00	6.68	5.97	5.23	4.22	2.78	1.99	35.71	18.81	54.52	9/59	12/70
			11	11	11	11	11	11	11	11	11	12	12	12					
			16	11	16	6	11	11	12	11	10	12	7	6	6	5	5		
<u>MISSOURI</u>																			
Columbia WSO 38° 49', 92° 13'	23	1790	1.36	1.67	3.16	5.29	6.91	7.33	8.22	7.55	5.41	4.19	2.35	1.46	39.62	15.28	54.89	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15					
			29	14	25	18	12	12	12	11	18	20	17	19	6	11	7		
Kansas City WSO 39° 7', 94° 36'	23	4359	1.37	1.83	3.47	5.45	7.34	7.94	8.84	8.09	5.69	4.47	2.39	1.56	42.36	16.07	58.43	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15					
			32	20	26	12	16	13	14	12	20	24	25	20	10	12	8		

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** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

Station	State No.	Index No.**	Monthly Means (inches)												May-Oct***	Nov-Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr	
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec						
MISSOURI (continued)																				
St Louis WSFO 38° 45', 90° 22'	23	7455	1.36	1.77	3.27	5.24	6.81	7.61	7.98	7.08	5.35	4.00	2.27	1.44	38.83	15.35	54.18	1/56	12/70	
			15	15	15	15	15	15	15	15	15	15	15	15	15					
			25	12	25	16	13	12	12	8	14	22	16	22	5	8	6			
Springfield WSO 37° 13', 93° 22'	23	7976	1.68	1.98	3.50	5.35	6.46	6.73	7.69	7.56	5.31	4.13	2.44	1.67	37.89	16.63	54.51	1/56	12/70	
			15	15	15	15	15	15	15	15	15	15	15	15	15					
			25	12	27	12	13	12	13	12	20	24	17	18	7	10	6			
MONTANA																				
Billings WB Airport 45° 48', 108° 31'	24	807	1.50	1.96	3.03	4.35	6.36	7.48	10.21	9.02	5.79	4.29	2.32	1.90	43.14	15.06	58.19	1/56	12/70	
			15	15	15	15	15	15	15	15	15	15	15	15	15					
			43	37	30	18	16	22	11	10	18	20	18	26	6	12	6			
Great Falls WB Airport 47° 28', 111° 21'	24	3751	1.50	1.76	2.81	4.30	6.35	7.64	10.19	8.95	5.78	4.29	2.37	1.83	43.20	14.63	57.42	1/56	12/70	
			14	14	15	15	15	15	15	15	15	15	15	15	15					
			49	43	30	18	16	19	14	13	24	25	27	37	8	12	8			
Helena WB Airport 46° 36', 112° 0'	24	4055	0.84	1.23	2.24	3.77	5.87	6.81	9.39	7.88	4.64	2.95	1.41	0.96	37.54	10.44	47.99	1/56	12/70	
			15	15	15	15	15	15	15	15	15	15	15	15	15					
			37	37	26	14	16	20	11	12	18	18	18	26	7	10	6			
Missoula WB Airport 46° 55', 114° 4'	24	5745	0.44	0.78	1.84	3.48	5.31	6.10	9.21	7.37	4.04	1.86	0.79	0.46	33.89	7.80	41.68	1/56	12/70	
			15	15	15	15	15	15	15	15	15	15	15	15	15					
			42	32	23	12	18	14	16	14	20	14	24	45	8	12	8			
NEBRASKA																				
Grand Island WSO 40° 58', 98° 19'	25	3395	1.16	1.49	2.95	5.35	7.05	8.49	9.19	8.28	5.53	4.45	2.19	1.75	42.98	14.89	57.88	1/56	12/70	
			15	15	15	15	15	15	15	15	15	15	15	15	15					
			37	35	37	13	17	14	12	6	18	22	23	52	7	10	6			
North Platte WSO 41° 7', 100° 40'	25	6065	1.18	1.42	2.84	5.02	6.56	8.01	8.45	7.85	5.27	3.83	2.02	1.37	39.97	13.85	53.82	1/56	12/70	
			15	15	15	15	15	15	15	15	15	15	15	15	15					
			38	37	35	18	18	18	12	10	16	22	14	18	8	13	8			
Omaha WSFO 41° 18', 95° 53'	25	6255	1.06	1.43	3.04	5.26	7.04	8.21	8.63	7.26	4.68	3.82	2.01	1.27	39.64	14.06	53.70	1/56	12/70	
			15	15	15	15	15	15	15	15	15	15	15	15	15					
			24	33	32	12	16	13	12	5	17	22	22	22	5	12	6			
Scotts Bluff WSO 41° 52', 103° 36'	25	7665	1.51	1.89	3.14	5.10	6.95	8.46	9.77	8.60	6.04	4.32	2.38	1.59	44.14	15.62	59.75	1/56	12/70	
			15	15	15	15	15	15	15	15	15	15	15	15	15					
			25	26	25	18	14	13	8	8	12	18	14	30	5	8	5			

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*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

Station	State No.	Index No.**	Monthly Means (inches)												May-Oct***	Nov-Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
NEVADA																			
Elko FAA Airport 40° 49', 115° 46'	26	2573	0.92	1.38	2.68	4.15	6.26	8.00	10.49	8.93	6.16	3.90	1.80	0.99	43.20	12.04	55.39	1/56	12/70
			14	14	14	15	14	14	11	13	13	14	14	13					
			31	24	18	14	14	14	5	7	8	14	20	29	3	8	****		
Ely WB Airport 39° 16', 114° 51'	26	2631	1.62	1.76	3.34	4.82	7.46	9.31	11.14	9.72	7.13	4.63	2.33	1.66	49.39	15.64	65.05	1/56	12/70
			15	15	14	15	15	15	15	15	15	15	15	15					
			23	18	23	19	17	17	7	11	10	16	23	29	5	11	5		
Las Vegas WB Airport 36° 4', 115° 10'	26	4436	3.67	4.55	7.81	10.67	14.72	16.92	17.32	15.49	12.02	8.22	4.62	3.39	84.69	34.72	119.41	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15					
			10	16	10	12	6	7	8	8	7	8	10	13	5	6	5		
Reno WB Airport 39° 30', 119° 46'	26	6779	1.56	2.04	3.61	5.08	6.98	8.54	9.89	8.64	5.81	3.86	2.00	1.35	43.72	15.65	59.38	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15					
			25	20	12	12	11	12	5	6	5	12	13	27	3	7	3		
Winnemucca WB Airport 40° 53', 117° 48'	26	9171	1.16	1.61	2.92	4.39	6.67	8.95	11.61	9.75	6.57	3.89	1.93	1.08	47.27	12.95	60.38	1/56	12/70
			13	12	13	13	13	13	13	13	13	12	13	12					
			30	29	18	19	19	17	8	8	12	18	14	19	6	7	5		
NEW HAMPSHIRE																			
Concord WSO 43° 11', 71° 30'	27	1683	0.78	0.95	1.88	3.15	4.82	5.23	5.57	4.83	3.07	2.21	1.14	0.82	25.73	8.72	34.44	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15					
			26	22	18	22	16	18	14	7	13	16	22	19	7	12	8		
NEW JERSEY																			
Atlantic City WSO 39° 26', 74° 34'	28	311	1.58	1.78	2.99	4.52	6.00	6.67	6.82	6.00	4.54	3.22	2.21	1.56	33.24	14.65	47.77	1/59	12/70
			12	12	12	12	12	12	12	11	12	12	12	12					
			25	17	12	18	14	11	16	10	12	14	12	16	7	7	7		
Newark WSO 40° 41', 74° 10'	28	6026	1.65	1.84	3.15	4.51	5.89	6.72	6.89	6.36	4.92	3.71	2.39	1.64	34.51	15.18	49.69	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15					
			25	17	13	14	18	10	18	12	12	13	11	16	8	7	7		
NEW MEXICO																			
Albuquerque WB Airport 35° 3', 106° 37'	29	234	2.47	3.31	5.70	8.73	11.80	13.46	12.50	10.78	8.52	6.07	3.36	2.38	63.14	25.96	89.10	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15					
			13	13	16	8	8	5	6	8	12	12	11	17	5	7	5		

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** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr
<u>NEW MEXICO (continued)</u>																			
	29	7609	2.85	4	6	8	12	13	11	10	8	6	4	3	60	28	88	1/56	12/68
			10	8	9	9	9	9	9	8	9	9	9	9					
			23	****	****	****	****	****	****	****	****	****	****	****	****	****	****		
<u>NEW YORK</u>																			
	30	42	0.72	1.01	2.00	3.77	5.00	5.84	6.37	5.39	3.55	2.54	1.41	0.78	28.70	9.69	38.40	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15					
			35	25	17	17	14	11	11	8	12	18	13	25	5	12	5		
	30	687	0.70	0.84	1.68	3.32	4.85	5.79	5.92	5.13	3.54	2.42	1.29	0.72	27.64	8.56	36.20	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15					
			20	27	18	20	20	14	18	13	19	20	23	22	10	10	7		
	30	1012	0.97	0.98	1.75	3.35	5.07	6.50	6.93	5.72	4.07	2.74	1.51	1.01	31.02	9.65	40.89	1/56	12/70
			14	15	15	15	15	15	15	15	15	15	15	15					
			25	18	16	23	16	12	11	10	12	18	12	19	5	7	3		
73	30	5811	1.98	2.15	3.32	4.69	6.35	7.25	7.64	6.73	5.50	4.18	2.82	1.95	37.64	16.91	54.55	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15					
			23	14	11	12	14	8	17	12	10	12	8	25	5	6	5		
	30	7167	0.91	0.94	1.79	3.50	5.21	6.56	6.78	5.69	3.79	2.68	1.45	0.94	30.71	9.53	40.24	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15					
			51	24	18	19	18	11	12	8	12	18	17	25	6	12	5		
	30	8383	0.79	0.95	1.77	3.48	4.96	6.15	6.58	5.60	3.76	2.54	1.52	0.89	29.58	9.39	38.97	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15					
			42	24	18	17	16	11	14	7	14	19	18	23	7	12	7		
<u>NORTH CAROLINA</u>																			
	31	1458	2.12	2.42	3.69	5.44	6.69	7.07	7.59	6.57	5.64	4.05	2.91	2.26	37.61	18.85	56.45	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15					
			13	14	17	14	18	14	13	10	12	10	10	13	8	6	6		
	31	1690	1.95	2.44	4.07	6.04	7.16	7.63	7.64	7.06	5.45	3.87	2.70	2.07	38.81	19.27	58.08	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15					
			16	8	17	8	12	12	11	8	12	17	10	10	3	5	3		
	31	3630	1.82	2.21	3.95	5.25	6.41	6.72	6.69	6.21	4.64	3.49	2.47	1.86	34.16	17.56	51.72	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15					
			18	13	25	13	12	8	8	12	11	18	11	12	3	6	3		

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** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

	State No.	Station Index No.**	Monthly Means (inches)												May-Oct***	Nov-Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
<u>NORTH CAROLINA (continued)</u>																			
Raleigh Durham WB Airport 35° 52', 78° 46'	31	7069	2.01 15 19	2.44 15 12	4.07 15 22	5.81 15 12	6.38 15 16	6.87 14 12	6.89 15 12	6.25 15 14	4.88 15 12	3.56 15 16	2.71 15 12	2.15 15 13	34.90 6	19.18 7	54.29 5	1/56	12/70
Wilmington WSO 34° 16', 77° 55'	31	9457	2.10 15 18	2.64 15 12	4.21 15 18	6.35 15 8	7.31 15 12	7.24 15 8	7.53 15 14	6.40 15 11	5.34 15 10	4.00 15 14	2.86 15 12	2.39 15 10	37.81 5	20.55 8	58.35 5	1/56	12/70
Winston-Salem WB Airport 36° 7', 80° 13'	31	9539	2.14 10 16	2.44 10 7	4 9 ****	6 9 ****	7 9 ****	7 9 ****	7 9 ****	6 9 ****	5 9 ****	4 9 ****	3 9 ****	2 9 ****	36 ****	20 ****	56 ****	1/56	2/65
<u>NORTH DAKOTA</u>																			
Bismarck WSO 46° 46', 100° 45'	32	819	0.55 15 38	0.71 14 24	1.95 14 31	4.07 15 17	6.49 15 16	7.28 15 18	8.68 15 16	8.11 15 17	4.82 15 18	3.27 15 20	1.33 14 26	0.68 15 35	38.65 8	9.37 11	47.48 7	1/56	12/70
Fargo WSO 46° 53', 96° 48'	32	2859	0.50 13 44	0.68 14 25	1.63 15 37	3.64 14 19	5.91 15 24	6.54 15 13	7.77 15 16	7.08 15 12	4.21 15 18	2.92 15 25	1.13 15 31	0.56 14 36	34.42 6	8.28 19	43.39 5	2/56	12/70
Williston WSO 48° 10', 103° 37'	32	9425	0 9 ****	1 9 ****	1.53 10 31	3.56 10 19	6.19 10 13	6.93 10 13	9 9 ****	7.72 10 14	5 9 ****	3 9 ****	1 9 ****	1 9 ****	38 ****	8 ****	46 ****	1/56	12/70
<u>OHIO</u>																			
Akron Canton WSO 40° 55', 81° 25'	33	58	0.95 15 33	1.12 15 23	2.10 15 20	3.70 15 18	5.09 15 12	5.99 15 16	6.10 15 12	5.63 15 7	4.19 15 12	3.27 15 17	1.81 15 13	1.00 15 26	30.28 6	10.67 12	40.94 5	1/56	12/70
Cleveland WSPFO 41° 23', 81° 51'	33	1657	1.02 15 32	1.16 15 22	2.15 15 22	3.89 15 16	5.86 15 12	6.84 15 8	6.83 15 8	5.89 15 11	4.24 15 11	3.12 15 18	1.87 15 12	1.20 15 25	32.78 5	11.29 10	44.07 5	1/56	12/70
Columbus WSO 40° 0', 82° 52'	33	1786	1.06 15 41	1.23 15 18	2.55 15 20	3.92 15 17	5.73 15 16	6.59 15 12	6.79 15 12	5.90 15 13	4.10 15 20	3.01 15 18	1.71 15 14	1.08 15 24	32.13 7	11.56 12	43.69 6	1/56	12/70
Dayton WSO 39° 53', 84° 13'	33	2075	1.14 15 35	1.38 15 16	2.58 15 20	4.35 15 17	6.34 15 16	7.58 15 11	7.46 15 14	6.81 15 10	5.04 15 10	3.54 15 16	1.90 15 14	1.22 15 19	36.77 6	12.56 8	49.34 6	1/56	12/70

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** Climatological Data (NOAA-EDIS)

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**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

	State No.	Station Index No.**	Monthly Means (inches)												May-Oct***	Nov-Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec					
<u>OHIO (continued)</u>																			
Toledo WB Airport 41° 36', 83° 48'	33	8357	0.81	1.09	2.13	3.66	5.86	6.63	6.83	5.84	4.09	2.94	1.51	0.83	32.20	10.03	42.23	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15				
			32	23	25	18	16	11	12	7	7	20	31	19	6	11	6		
Youngstown WSO 41° 16', 80° 40'	33	9406	0.84	1.00	2.06	3.58	4.97	5.89	5.88	5.29	3.88	3.02	1.72	0.92	28.93	10.11	39.04	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15				
			31	16	18	18	14	8	14	10	14	20	23	18	6	8	5		
<u>OKLAHOMA</u>																			
Oklahoma City WSP0 35° 23', 97° 36'	34	6661	2.00	2.54	4.47	6.33	7.37	8.61	10.06	9.62	6.36	5.01	3.15	2.30	47.03	20.78	67.81	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15				
			38	22	31	17	17	10	13	14	24	19	19	22	10	13	8		
Tulsa WSO 36° 10', 95° 53'	34	8992	1.91	2.34	4.05	5.89	6.76	7.79	9.09	8.37	5.94	4.70	2.97	2.10	42.65	19.25	61.90	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15				
			31	18	30	18	18	13	17	18	25	24	18	16	12	14	12		
<u>OREGON</u>																			
Astoria WB Airport 46° 8', 123° 52'	35	328	0.95	1.24	1.83	2.53	3.73	4.10	4.81	4.02	2.82	1.58	1.03	0.96	21.07	8.54	29.61	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15				
			23	32	24	14	13	13	11	12	12	22	19	74	5	12	5		
Medford WB Airport 42° 22', 122° 52'	35	5429	0.73	1.30	2.62	4.08	5.93	7.99	10.28	8.77	5.87	2.75	0.99	0.57	41.59	10.30	51.89	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15				
			26	18	20	16	16	18	10	11	11	20	31	43	6	10	6		
Pendleton WB Airport 45° 40', 118° 51'	35	6546	1.13	1.68	3.16	4.72	6.73	9.31	11.88	9.92	6.74	3.53	1.62	1.09	48.10	13.39	61.50	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15				
			44	26	12	18	17	10	7	10	10	18	17	35	5	11	5		
Portland WB Airport 45° 36', 122° 36'	35	6751	1.07	1.47	2.23	3.06	4.65	5.77	7.45	6.12	3.89	2.05	1.25	0.89	30.23	9.97	40.30	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	14	15	15				
			29	26	18	16	20	18	13	16	16	17	20	16	11	6	8		
Salem WB Airport 44° 55', 123° 1'	35	7500	0.93	1.24	2.09	2.90	4.10	5.44	7.41	6.17	4.20	2.13	1.09	0.79	29.46	9.04	38.50	1/56	12/70
			15	15	15	15	15	15	15	15	15	15	15	15	15				
			29	24	23	18	18	14	12	14	13	12	25	38	8	7	7		

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**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

		State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr	
<u>PENNSYLVANIA</u>																					
Allentown WSO 40° 38', 75° 25'	36	106	1.29	1.47	2.60	4.01	5.16	6.02	6.05	5.37	3.91	2.90	1.78	1.16	29.42	12.31	41.73	1/56	12/70		
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
			31	25	16	14	17	10	18	11	18	12	12	14	7	8	5				
Erie WSO 42° 4', 80° 11'	36	2682	1.09	1.02	1.96	3.62	5.11	6.34	6.58	5.79	4.31	3.48	2.03	1.32	31.61	11.09	42.82	2/60	12/70		
			10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	
			38	17	20	19	17	17	11	7	10	17	11	18	5	12	5				
Harrisburg FAA Airport 40° 13', 76° 51'	36	3699	1.40	1.72	2.92	4.66	6.16	6.94	7.51	6.41	4.39	3.05	1.95	1.41	34.46	14.06	48.52	1/56	12/70		
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
			25	20	12	16	16	11	16	10	13	12	11	12	8	6	5				
Philadelphia WSFO 39° 52', 75° 13'	36	6889	1.47	1.78	3.00	4.67	6.19	7.08	7.13	6.44	4.74	3.35	2.18	1.56	34.93	14.67	49.60	1/56	12/70		
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
			25	19	16	14	13	6	11	8	12	6	10	17	5	8	5				
Pittsburgh WSO 40° 30', 80° 13'	36	6993	1.09	1.26	2.42	4.07	5.58	6.43	6.74	5.91	4.29	3.17	1.87	1.15	32.11	11.82	43.62	1/56	12/70		
			15	14	15	15	15	15	15	15	15	15	15	14	15	15	15	15	15		
			32	20	22	17	17	10	12	10	18	18	17	17	6	11	6				
Scranton WSO 41° 19', 75° 43'	36	7905	0.94	1.13	2.12	3.87	5.41	6.10	6.22	5.45	3.71	2.60	1.52	0.98	29.49	10.55	40.04	1/56	12/70		
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
			30	20	20	19	17	12	14	10	17	17	17	16	7	11	7				
Williamsport WSO 41° 15', 76° 55'	36	9728	1.12	1.27	2.21	3.76	4.82	5.49	5.54	4.73	3.45	2.54	1.56	1.07	26.55	10.98	37.53	10/59	12/70		
			10	10	10	10	10	11	11	11	11	11	12	12	12	12	12	12	12		
			30	24	18	18	17	10	16	13	18	20	17	18	7	7	5				
<u>RHODE ISLAND</u>																					
Providence WSO 41° 43', 71° 25'	37	6698	1.49	1.66	2.83	4.35	5.75	6.17	6.51	5.77	4.16	3.09	2.05	1.51	31.45	13.88	45.33	1/56	12/70		
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
			23	16	11	16	14	13	14	12	8	13	12	12	7	6	6				
<u>SOUTH CAROLINA</u>																					
Charleston WSO 32° 53', 80° 1'	38	1544	2.46	3.11	4.68	6.28	7.32	7.13	7.28	6.53	5.26	4.22	3.12	2.66	37.61	22.31	59.94	1/56	12/70		
			15	15	15	15	15	15	15	15	15	15	14	15	15	15	15	15	15		
			12	11	18	8	14	8	13	11	12	18	13	11	7	7	7				
Columbia WSFO 33° 56', 81° 7'	38	1939	2.01	2.53	4.45	6.47	7.21	7.51	7.67	6.99	5.55	3.92	2.82	2.23	38.85	20.52	59.37	1/56	12/70		
			15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		
			12	8	14	7	16	13	11	13	10	14	8	12	6	5	5				

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** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr
<u>SOUTH CAROLINA (continued)</u>																			
Greenville Spartanburg 34° 53', 82° 13'	38	3747	2.09 15 18	2.56 15 8	4.33 15 18	6.01 15 12	6.88 15 14	6.92 15 12	7.08 15 10	6.67 15 13	5.06 15 12	3.93 15 17	2.92 15 12	2.17 15 10	36.56 6	20.07 6	56.63 5	1/56	12/70
<u>SOUTH DAKOTA</u>																			
Huron WSO 44° 22', 98° 13'	39	4127	0.69 14 39	0.83 15 47	2.15 15 44	4.45 15 17	6.26 15 14	7.68 15 22	8.89 15 14	7.68 15 11	4.96 15 18	3.52 15 20	1.60 15 25	0.84 15 33	38.99 10	10.62 16	49.90 8	1/56	12/70
Rapid City WSO 44° 3', 103° 4'	39	6937	1.31 14 26	1.49 15 23	2.80 15 26	4.69 15 16	6.51 15 14	7.67 15 22	9.27 15 14	9.15 15 14	6.26 15 16	4.55 15 19	2.26 15 16	1.49 15 25	43.42 10	14.16 7	57.75 7	1/56	12/70
Sioux Falls WSO 43° 34', 96° 43'	39	7667	0.78 15 30	1.00 15 23	2.23 15 37	4.45 15 10	6.50 15 11	7.76 15 16	8.49 15 12	7.35 15 10	4.80 15 17	3.63 15 18	1.69 15 18	0.93 15 29	38.53 6	11.09 11	49.62 6	1/56	12/70
<u>TENNESSEE</u>																			
Bristol WB Airport 36° 28', 82° 23'	40	1094	1.37 11 20	1.77 11 12	3.19 11 18	4.48 11 12	5.32 11 14	5.73 11 8	5.68 11 12	5.37 11 10	4.64 11 12	3.60 11 16	2.07 12 12	1.45 12 18	30.34 6	14.36 3	44.70 3	11/59	12/70
Chattanooga WB Airport 35° 1', 85° 11'	40	1656	1.48 15 18	1.98 15 11	3.56 15 17	5.29 15 10	6.41 15 13	6.52 15 13	6.68 15 12	6.17 15 13	4.87 15 12	3.33 15 18	2.10 15 11	1.54 15 12	33.99 7	15.95 6	49.94 5	1/56	12/70
Knoxville WB Airport 35° 49', 83° 58'	40	4950	1.45 15 18	1.94 15 10	3.62 15 19	5.37 15 12	6.65 15 13	6.61 15 16	6.71 15 16	6.26 15 13	4.95 15 11	3.41 15 17	2.11 15 11	1.56 15 23	34.57 8	16.04 5	50.61 6	1/56	12/70
Memphis WB Airport 35° 3', 89° 58'	40	5954	1.90 15 22	2.26 15 8	4.14 15 20	6.28 15 12	7.76 15 10	7.99 15 11	8.31 15 12	7.62 15 11	5.82 15 16	4.47 15 13	2.79 15 14	2.03 15 17	41.97 6	19.40 6	61.37 5	1/56	12/70
Nashville WB Airport 36° 7', 86° 40'	40	6402	1.50 15 31	1.87 15 18	3.45 15 27	5.43 15 12	6.78 15 11	7.31 15 11	7.52 15 11	6.87 15 12	5.14 15 14	3.72 15 19	2.14 15 14	1.67 15 19	37.34 6	16.07 12	53.41 5	1/56	12/70

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

	State No.	Station Index No.**	Monthly Means (inches)												May-Oct***	Nov-Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr		
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec							
TEXAS																					
Abilene WSO 32° 25', 99° 40'	41	16	3.32	3.45	6.04	7.80	9.61	10.83	11.74	10.78	7.39	5.95	4.03	3.27	56.30	27.91	84.21	1/56	12/70		
			15	15	15	15	15	15	15	15	15	15	15	15	15						
			20	18	25	20	18	13	14	10	20	18	20	23		8	12	8			
Amarillo WSO 35° 13', 101° 41'	41	211	2.99	3.22	5.65	8.26	10.77	11.27	11.54	10.30	7.67	6.51	3.91	3.14	58.06	27.17	85.23	1/56	12/70		
			15	15	15	15	15	15	15	15	15	15	15	15	15						
			25	25	31	18	17	10	12	10	17	22	22	20		8	13	8			
Austin WB Airport 30° 18', 97° 41'	41	428	2.78	3.26	5.20	5.99	7.67	9.12	10.60	9.68	7.00	5.35	3.57	2.78	49.42	23.58	73.00	1/56	12/70		
			15	15	15	15	15	15	15	15	15	15	15	15	15						
			22	17	18	14	16	12	12	12	13	18	22	23		7	12	8			
Brownsville WB Airport 25° 53', 97° 25'	41	1136	3.10	3.54	5.60	7.01	8.37	9.37	10.30	9.01	6.89	5.57	4.11	3.23	49.51	26.60	76.11	1/56	12/70		
			15	15	15	15	15	15	15	15	15	15	15	15	15						
			18	22	13	16	12	11	10	10	12	17	19	20		6	11	7			
Corpus Christi WB Airport 27° 46', 97° 30'	41	2015	2.82	3.35	5.37	6.38	7.35	8.91	10.11	9.24	6.98	5.76	4.01	3.13	48.63	25.06	73.54	1/56	12/70		
			15	15	15	15	15	15	15	15	14	15	15	15	15						
			20	22	13	13	17	16	12	11	12	12	17	18		8	10	8			
Dallas WSO 32° 51', 96° 51'	41	2244	2.72	3.13	5.24	6.56	8.10	9.72	11.31	10.34	7.23	5.61	3.74	3.07	52.30	24.45	76.76	1/56	12/70		
			15	15	15	15	15	15	15	15	15	15	15	15	15						
			24	17	25	17	18	11	11	10	16	14	17	16		7	12	7			
El Paso WB Airport 31° 48', 106° 23'	41	2797	3.86	5.02	8.23	11.51	14.25	14.83	13.22	11.82	9.23	7.16	4.56	3.52	70.52	36.70	107.22	1/56	12/70		
			15	15	15	15	15	15	15	15	15	15	15	15	15						
			18	8	16	5	6	5	6	8	13	12	12	12		3	6	5			
Fort Worth WSO 32° 49', 97° 3'	41	3283	2.66	3.12	5.13	6.39	7.80	10.05	11.30	10.53	7.16	5.36	3.58	2.82	52.57	23.69	76.50	1/56	12/70		
			15	15	15	15	15	15	15	14	15	15	15	15	15						
			24	14	29	18	19	11	12	12	19	16	18	16		10	12	10			
Houston WB City 29° 46', 95° 22'	41	4305	2.91	3.39	5.03	5.85	7.39	8.38	8.64	7.81	6.50	5.38	3.60	2.84	44.09	23.61	67.38	1/56	12/70		
			15	15	15	15	15	15	15	15	15	15	15	14							
			23	12	17	12	8	12	8	13	13	14	16	16		7	10	7			
Lubbock WB Airport 33° 38', 101° 49'	41	5411	3.19	3.54	5.67	8.46	10.24	11.02	10.89	9.64	7.33	6.08	4.00	3.12	55.21	27.89	83.15	1/56	12/70		
			14	15	15	15	15	15	15	15	15	15	15	15	15						
			20	26	27	12	13	6	11	7	16	16	18	16		5	11	6			
Midland WSO 31° 56', 102° 10'	41	5890	3.48	3.93	6.75	9.17	11.24	11.79	11.92	11.04	7.90	6.33	4.22	3.42	60.11	30.97	91.12	1/56	12/70		
			15	15	15	15	15	14	15	15	15	15	15	15							
			22	18	20	12	12	7	12	10	13	18	18	17		6	11	7			

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-	Nov-	Annual***	Record Began Mo/Yr	Last Data Mo/Yr	
														Oct***	Apr***				
<u>TEXAS (continued)</u>																			
Port Arthur WB Airport 29° 58', 94° 1'	41 7174	2.24	2.81	4.34	5.31	7.18	8.21	8.04	7.29	6.09	4.92	3.30	2.37	41.74	20.36	62.10	1/56	12/70	
		15	15	15	15	15	15	15	15	15	15	15	15	15	6	7			6
		18	18	12	12	10	12	12	12	14	12	17	14						
San Angelo WSO 31° 21', 100° 30'	41 7943	3.49	3.91	6.75	8.35	9.62	10.79	11.91	11.13	7.77	6.06	4.57	3.37	57.27	30.43	87.70	1/56	12/70	
		15	15	15	15	15	15	15	15	15	15	15	15	7	8	6			
		19	18	25	14	14	13	11	11	18	17	36	19						
San Antonio WSO 29° 31', 98° 28'	41 7945	2.96	3.55	5.55	6.29	7.80	9.72	10.94	10.16	7.38	5.44	3.74	2.98	51.43	25.07	76.50	1/56	12/70	
		15	15	15	15	15	15	15	15	15	15	15	15	8	12	10			
		20	18	17	14	18	11	10	11	12	18	18	17						
Victoria WB Airport 28° 51', 96° 55'	41 9364	3.07	3.41	5.03	5.93	7.12	8.11	9.02	8.52	6.66	5.35	3.90	3.18	44.64	24.33	68.98	1/56	12/70	
		12	12	12	12	12	12	11	12	11	11	11	11	7	8	7			
		19	18	12	12	12	14	11	12	13	17	17	14						
Waco WB Airport 31° 37', 97° 13'	41 9419	2.88	3.29	5.41	6.45	7.74	9.90	11.31	10.63	7.51	6.14	3.94	3.00	53.23	24.96	78.19	1/56	12/70	
		15	15	15	15	15	15	15	15	15	15	15	15	10	12	10			
		22	18	24	17	14	13	13	12	17	22	18	20						
Wichita Falls WSO 33° 58', 98° 28'	41 9729	2.60	3.17	5.32	7.00	8.22	9.90	11.48	11.05	7.53	5.64	3.86	2.82	53.81	24.77	78.58	1/56	12/70	
		15	15	15	15	15	15	15	15	15	15	15	15	8	14	10			
		29	24	31	17	16	12	12	11	20	22	17	16						
<u>UTAH</u>																			
Salt Lake City WB Airport 40° 46', 111° 58'	42 7598	1.14	1.72	3.54	5.37	8.60	10.56	13.35	11.21	7.62	4.53	2.00	1.01	55.87	14.78	70.65	1/56	12/70	
		15	15	15	15	15	15	15	15	15	15	15	15	7	7	5			
		31	27	16	13	17	16	6	10	13	13	18	25						
<u>VERMONT</u>																			
Burlington WSO 44° 28', 73° 8'	43 1081	0.68	0.90	1.62	3.06	4.56	5.65	5.96	5.17	3.15	2.20	1.21	0.73	26.69	8.21	35.02	1/56	12/70	
		14	15	15	15	15	15	15	15	15	15	15	14	14	6	13			8
		33	25	17	18	16	18	14	12	11	18	23	25						
<u>VIRGINIA</u>																			
Lynchburg WSO 37° 19', 79° 11'	44 5120	1.71	1.81	3.15	5.12	6.00	6.70	6.35	5.65	4.47	3.01	2.52	1.63	32.19	15.66	47.97	1/56	10/67	
		10	10	10	10	10	10	10	10	10	10	11	10	10	5	****			****
		13	12	18	17	11	12	12	6	25	18	27	12						

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* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr	
<u>VIRGINIA (continued)</u>																			
44	6139	2.05	2.31	3.96	5.78	6.90	7.52	7.47	6.41	5.18	3.70	2.77	2.20	37.19	19.07	56.25	1/56	12/70	
		15	15	15	15	15	15	15	15	15	15	15	15	15	5	6			5
		18	16	14	17	10	11	10	12	10	10	11	12						
44	7201	1.66	2.03	3.51	5.36	6.64	7.12	7.06	6.11	4.58	3.24	2.45	1.73	34.75	16.75	51.50	1/56	12/70	
		15	15	15	15	15	15	15	15	15	15	15	15	15	5	8			5
		18	14	18	14	10	12	11	10	12	16	12	13						
44	7285	2.09	2.40	3.95	5.34	6.27	6.60	6.73	6.20	4.71	3.81	2.74	2.04	34.32	18.57	52.89	1/56	12/70	
		15	15	15	15	15	15	15	15	15	15	15	15	15	5	7			5
		16	16	19	16	8	10	10	7	12	16	12	12						
44	8084	1.45	1.84	3.35	4.67	5.77	6.57	6.82	6.23	4.50	3.17	2.18	1.51	33.06	15.01	48.06	1/61	12/70	
		10	10	10	10	10	10	10	10	10	10	10	10	10	7	8			6
		27	20	18	18	12	6	12	11	16	16	13	17						
<u>WASHINGTON</u>																			
45	6114	0.64	1.20	1.87	2.75	4.01	4.63	5.84	4.92	3.11	1.50	0.76	0.51	23.99	7.73	31.73	1/56	12/70	
		15	15	15	15	14	13	13	13	13	13	14	15	15	10	12			8
		36	37	18	16	18	16	16	18	14	12	19	42						
45	7473	1.15	1.57	2.30	3.18	5.08	5.80	7.00	5.53	3.52	2.00	1.23	1.02	28.92	10.44	39.36	1/56	12/70	
		15	15	15	15	15	15	15	15	15	15	15	15	15	8	8			6
		17	26	18	13	18	16	13	16	16	18	26	23						
45	7938	0.61	1.11	2.28	4.04	6.28	7.82	10.66	8.63	5.37	2.58	0.92	0.51	41.36	9.47	50.83	1/56	12/70	
		15	15	15	15	15	14	15	15	15	15	15	15	15	6	10			5
		33	26	18	17	16	12	7	13	17	24	24	30						
45	8332	1.62	1.56	2.06	2.50	3.24	3.37	2.97	2.49	2.25	1.83	1.59	1.21	16.07	10.59	26.66	1/56	12/66	
		11	11	11	11	11	10	11	11	11	11	11	10	11	7	11			6
		23	23	23	18	18	26	18	22	13	25	25	37						
45	9465	0.75	1.39	2.91	4.48	6.58	7.83	9.77	7.92	5.28	2.90	1.32	0.72	40.29	11.58	51.87	1/56	12/70	
		15	15	15	15	15	15	15	15	15	15	15	15	15	6	12			6
		44	31	16	16	12	13	8	12	11	13	20	25						
<u>WEST VIRGINIA</u>																			
46	1570	1.37	1.67	2.99	4.41	5.46	5.68	5.45	5.00	4.04	3.02	1.97	1.42	28.63	13.83	42.45	1/56	12/70	
		15	15	15	15	15	15	15	15	15	15	15	15	15	6	7			6
		24	14	20	12	12	10	12	11	14	13	18	20						

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

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TABLE II -- MONTHLY MEANS OF ESTIMATED "PAN EVAPORATION" COMPUTED FROM METEOROLOGICAL MEASUREMENTS USING A FORM OF THE PENMAN EQUATION*

	State No.	Station Index No.**	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	May-Oct***	Nov-Apr***	Annual***	Record Began Mo/Yr	Last Data Mo/Yr
<u>WEST VIRGINIA (continued)</u>																			
Elkins WSO 38° 55', 79° 49'	46	2718	0.99 10 24	1.21 10 25	2.23 10 19	3.14 10 14	4.33 11 12	4.39 11 10	4 8 ****	4 9 ****	3 9 ****	2 9 ****	1 9 ****	1 9 ****	22 ****	10 ****	32 ****	1/56	6/68
<u>WISCONSIN</u>																			
Green Bay WSO 44° 28', 88° 7'	47	3269	0.62 14 24	0.81 15 29	1.70 15 30	3.46 15 18	5.17 15 12	6.15 15 12	6.64 15 12	5.33 15 12	3.38 15 12	2.34 15 25	1.16 15 19	0.63 15 25	29.02 7	8.37 13	37.30 7	1/56	12/70
La Crosse WSO 43° 52', 91° 15'	47	4370	0.74 13 24	1.03 13 33	1.99 13 30	4.31 13 16	6.15 13 12	6.95 13 12	7.26 12 7	6.11 13 8	3.85 13 12	3.20 12 18	1.45 12 19	0.80 12 24	33.43 5	10.08 12	43.36 5	1/56	9/68
Madison WSO 43° 7', 89° 19'	47	4961	0.74 14 27	1.00 15 24	1.99 15 25	3.75 15 14	5.34 15 25	6.69 15 14	6.86 15 8	5.80 15 10	3.63 15 13	2.71 15 20	1.28 15 14	0.69 15 30	31.03 6	9.43 12	40.46 6	1/56	12/70
Milwaukee WSO 42° 56', 87° 53'	47	5479	0.85 15 24	1.09 15 26	2.01 15 30	3.82 15 14	5.57 15 18	6.70 15 13	7.25 15 13	5.96 15 12	4.04 15 11	2.88 15 19	1.55 15 13	0.90 15 19	32.39 7	10.22 12	42.62 6	1/56	12/70
<u>WYOMING</u>																			
Casper WSO 42° 55', 106° 28'	48	1570	1.85 15 25	1.92 15 23	3.03 15 27	4.73 15 18	6.92 15 12	8.76 15 16	10.64 15 10	9.85 15 6	6.65 15 13	5.18 15 41	2.38 15 19	1.82 15 24	48.01 7	15.73 7	63.74 5	1/56	12/70
Cheyenne WSO 41° 8', 104° 49'	48	1675	2.42 15 23	2.41 15 23	3.32 15 24	5.26 15 19	7.01 15 14	8.16 15 18	9.23 15 12	8.61 15 10	6.18 15 12	4.77 15 20	2.95 15 14	2.51 15 18	43.96 8	18.87 7	62.83 5	1/56	12/70
Lander WB Airport 42° 49', 108° 43'	48	5390	1.09 15 31	1.51 15 24	2.84 15 17	4.25 15 13	6.42 15 16	7.98 15 18	9.87 15 7	9.05 15 7	5.63 15 18	3.55 15 22	1.53 15 22	1.11 15 22	42.50 6	12.33 5	54.83 5	1/56	12/70
Sheridan WSO 44° 46', 106° 58'	48	8155	0.96 15 41	1.11 13 27	2.33 15 23	3.96 14 18	5.56 14 20	6.56 14 19	8.64 14 11	7.86 15 10	4.59 14 20	3.27 15 20	1.52 15 20	1.16 14 38	36.65 7	11.06 6	48.03 5	1/56	11/70

* First line of data in the table for each station is mean evaporation in inches; second line is the number of years of record per month; and third line is the coefficient of variation in percent (computed only when there are 10 years or more of record during 1956-1970).

** Climatological Data (NOAA-EDIS)

*** Sum of monthly means.

**** Insufficient data between 1956-70 to compute the coefficient of variation.

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APPENDIX A

Example of Estimating Monthly Data for a Location with no Observed Data

In this example, steps for prorating data will be illustrated with some of the problems caused by incomplete records. The basic steps are the following:

1. Determine annual (or seasonal) values for potential (FWS) evaporation from the maps in the NOAA Technical Report NWS 33, Evaporation Atlas for the Contiguous 48 United States.
2. Locate appropriate stations which have data in the tables of this report.
3. Determine monthly fractions of annual (or seasonal) evaporation for the stations in the table by dividing the evaporation value for each month by the annual (or seasonal) value.
4. Multiply the monthly fractions just determined by the annual (or seasonal) value for the location of interest (as determined in step 1).

Suppose monthly mean potential evaporation is desired for Vaughn, New Mexico. Vaughn is located in the southwest corner of Guadalupe County.

1. From map 3 in the NOAA Technical Report NWS 33, Evaporation Atlas for the Contiguous 48 United States, the annual free water surface evaporation is found to be between the 55 and 60 inch isopleths. A linear interpolation would give approximately 58 inches. From map 2 the May-October evaporation is 41 inches.
2. The nearest stations to Vaughn having data in the table are Alamogordo Dam and Estancia. The elevation of Alamogordo Dam is between 4,000 and 4,500 feet. Vaughn is near 6,000 feet, and Estancia is 6,100 feet. There are only low hills between Estancia and Vaughn. Based on elevation and relief, Estancia would be the logical selection to prorate monthly values. However, because of the high elevation and limited period of record, Estancia has data only for the months from May to September. Because no annual (or May to October) value is listed, we cannot determine the required ratios. Santa Fe, found further north, is slightly higher and has some data for all the months of the year. It should be noted that Estancia has about 12 years of record in the tables and Santa Fe has up to 36 years in the summer and 17 years in the winter. Again, caution must be used in applying these data. It seems reasonable that those years when Santa Fe does have data in the winter are probably the milder years, and when the station lacks data it is likely that the weather was too cold and pans were frozen over during most of the winter period. If such is the case, then a true mean would be less than that indicated by the 17 years of available data.
3. To better illustrate the distribution of evaporation in this area, ratios of monthly to annual evaporation were computed for both Santa Fe and Alamogordo Dam and are shown in table A1.

Table A1

Monthly fractions of annual and seasonal evaporation at Alamogordo Dam and Santa Fe

<u>Station</u>	<u>% of</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>
Alamogordo Dam	Annual	.035	.043	.078	.102	.121	.137	.130	.113	.093	.067	.045	.035
	May-Oct					.182	.207	.197	.171	.140	.102		
Santa Fe	Annual	.022	.032	.058	.095	.134	.160	.142	.121	.104	.072	.037	.021
	May-Oct					.183	.218	.193	.164	.142	.100		

Table A2

Monthly potential evaporation (FWS), in inches, at Vaughn, New Mexico, based on ratios (fraction) in table A1 and on annual and seasonal values taken from maps in NOAA Technical Report "Evaporation Atlas for the United States"

<u>Station</u>	<u>Period</u>	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>	<u>Totals of Estimated Monthly Values</u>
Alamogordo Dam	Annual	2.9	2.5	4.5	5.9	7.0	8.0	7.5	6.6	5.4	3.9	2.6	2.0	58.8
	May-Oct					7.5	8.5	8.1	7.0	5.7	4.2			41.0
Santa Fe	Annual	1.3	1.9	3.4	5.5	7.8	9.3	8.2	7.0	6.0	4.2	2.2	1.2	57.9
	May-Oct					7.5	8.9	7.9	6.7	5.8	4.1			36.9

4. Table A2 shows the monthly FWS evaporation at Vaughn resulting from multiplying the annual FWS from Atlas map 3 by monthly fractions based on the distributions at Alamogordo Dam and Santa Fe.

The evaporation estimates from table A2 are plotted in figure A1.

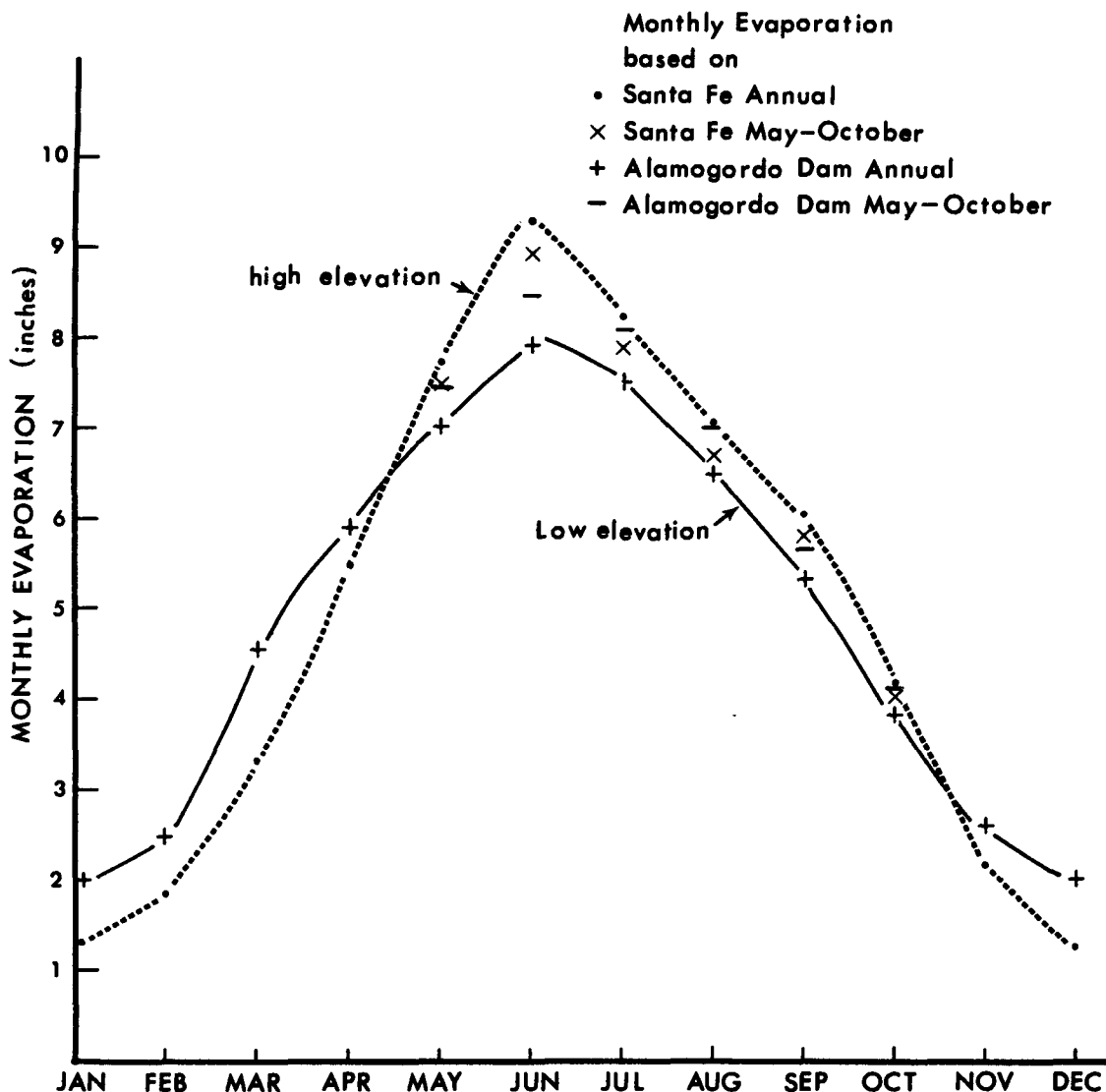


Figure A1. Monthly distribution at Vaughn, New Mexico based on evaporation distribution at Alamogordo Dam and Santa Fe.

The annual values are connected by lines. It is readily apparent that stations at higher elevations tend to have lower evaporation during the winter months and a higher fraction of the annual evaporation during the summer than do the stations at a lower elevation. Also apparent is a closer agreement of estimates based only on May-October ratios. Since Vaughn is only a little lower than Santa Fe and significantly higher than Alamogordo Dam, a reasonable decision would be to accept either the value estimated from Santa Fe or to take values from the graph between the values for the two sites but very near those for Santa Fe.

(Continued from inside front cover)

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